

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CATALOG OF EARTHQUAKES IN SOUTHERN ALASKA FOR 1984

by

K. A. Fogleman, C. D. Stephens, J. C. Lahr and J. A. Rogers

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The Office of Earthquakes, Volcanoes, and Engineering (formerly the Office of Earthquake Studies) of the U.S. Geological Survey (USGS) has operated a regional network of telemetering seismographs in south-central Alaska since 1971. The principal purpose of this network has been to record seismic data to be used to precisely locate earthquakes in the active seismic zones of southern Alaska, delineate seismically active faults, assess seismic risk, document potential premonitory earthquake phenomena, investigate current tectonic deformation, and study the structure and physical properties of the crust and upper mantle. A task fundamental to all of these goals is the routine cataloging of earthquake parameters for earthquakes located within and adjacent to the seismograph network.

The initial network of 10 stations, 7 around Cook Inlet and 3 near Valdez, was installed in 1971. In subsequent summers additions or modifications to the network were made. By the fall of 1973, 26 stations extended from western Cook Inlet to eastern Prince William Sound, and 4 stations were located to the east between Cordova and Yakutat. A year later 20 additional stations were installed. Thirteen of these were placed along the eastern Gulf of Alaska with support from the National Oceanic and Atmospheric Administration (NOAA) under the Outer Continental Shelf Environmental Assessment Program to investigate the seismicity of the outer continental shelf, a region of interest for oil exploration. During the subsequent years the region covered by the network has remained relatively fixed while effort has been made to make the stations more reliable through improved electronic instrumentation and strengthened antenna systems. The majority of the stations installed since 1980 have been operated only temporarily (from one to several years) for special studies in various areas within the network.

The locations of the stations of the USGS seismograph network operating during 1984 are plotted in Figure 1 and listed in Table 1 along with the stations from other institutions from which readings were obtained. Table 2 summarizes for each station the number of earthquakes per month for which readings were obtained. Each USGS station has a single vertical-component seismometer except for stations BRLK, GLB, RDT, SKN, and VLZ, which also have two horizontal-component seismometers. The horizontal-component seismometers at BRLK were removed on July 2, 1984.

This catalog presents origin times, focal coordinates and magnitudes for 3446 earthquakes occurring in 1984. Readings from total of 99 stations were used to locate the shocks, including 15 stations operated by the NOAA Alaska Tsunami Warning Center (ATWC, formerly Palmer Observatory), 14 stations operated by the Geophysical Institute of the University of Alaska, Fairbanks (U of A), 3 stations operated jointly by the USGS and U of A, 4 stations operated by the Earth Physics Branch of the Department of Energy, Mines and Resources, Canada (EMRC), and one station (TTV) operated cooperatively by the University of Washington (U of W) and the USGS.

Earthquakes in south-central Alaska as small as magnitude 3.0 have been routinely located by the National Earthquake Information Service (NEIS) of the USGS and its predecessor since the great Alaska earthquake of 1964 and are published in "Preliminary Determination of Epicenters" (PDE) reports. In contrast, the shocks included in this catalog are as small as magnitude -0.8 and most are smaller than magnitude 3.0. Data for the larger historic earthquakes that occurred in south-central Alaska through 1975 have been tabulated by Meyers (1976). Maps of the seismicity of Alaska and the Aleutian Islands from 1960-1983 have been published by Espinosa (1984).

1984 SOUTHERN ALASKA SEISMOGRAPHS

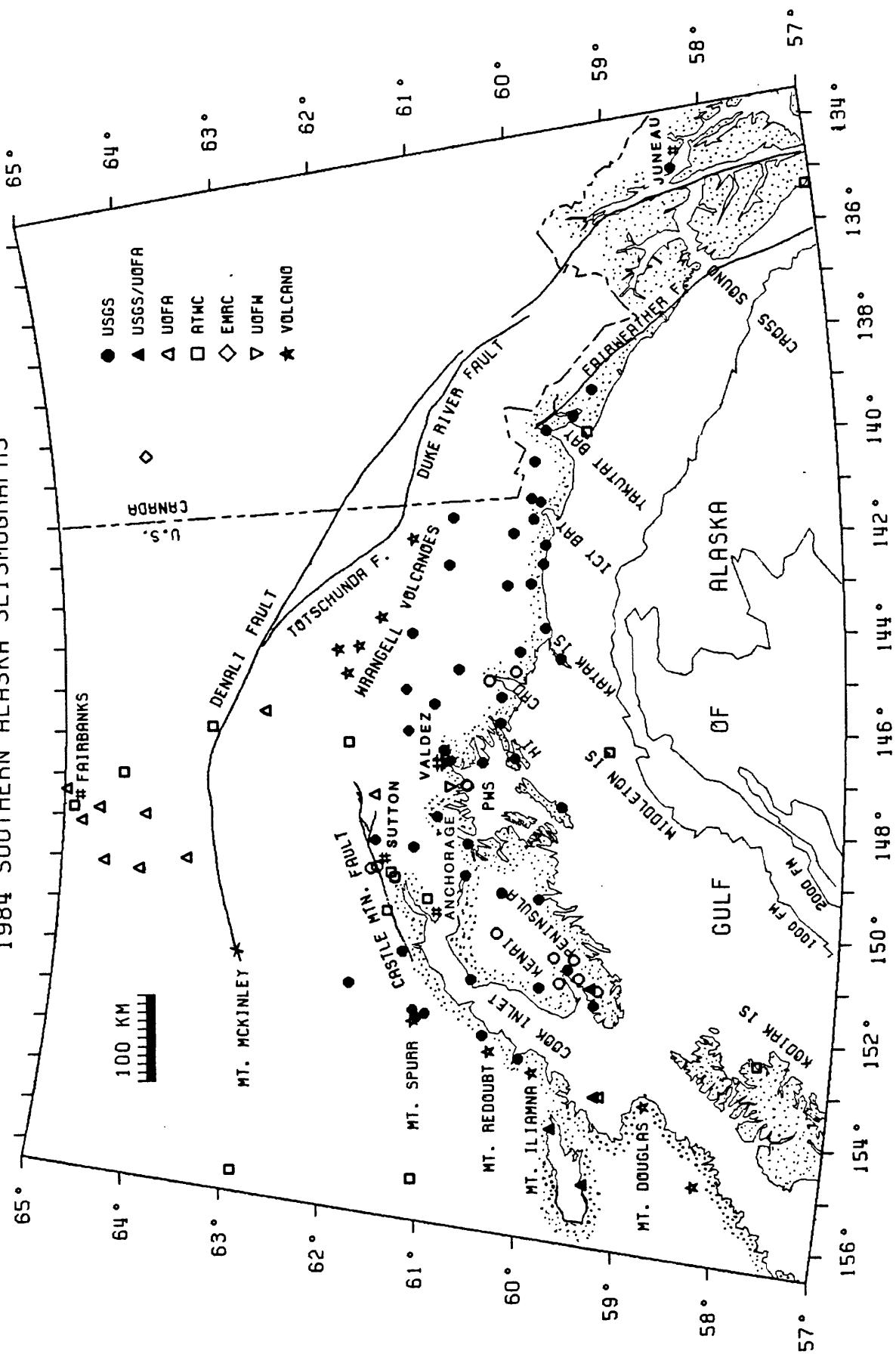


Figure 1. Map showing the locations of all USGS seismograph stations in southern Alaska and of other stations used in the preparation of this catalog. Symbols not listed in the key are as follows: open circles, USGS stations that opened or closed in 1984 (see Table 1); heavy lines, principal faults in southern Alaska; CRD = Copper River Delta; HI = Hinchinbrook Is.; PWS = Prince William Sound. Stations BRW, FYU, IMA, INK, MBC, SDN, and YKA, are located outside the map borders and are not plotted.

Table 1. Station parameters

| STA CODE | STATION NAME | LATITUDE N | LONGITUDE W | ELEV M | P MOD | D KM | DLY1 SEC | DLY2 SEC | DLY3 SEC | TDLY SEC | MAG AT 1 Hz | INST | REMARKS |
|-------------|---------------------|---------------|----------------|-----------|----------|---------|-------------|-------------|-------------|-------------|----------------|-----------|----------------|
| ABF | AUKE BAY | 58 22.88 | 134 38.68 | 3 | 3 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 186400 | USGS | |
| AGA | AGASSIZ LAKES | 60 9.25 | 141 2.00 | 1024 | 3 | 0.01 | 0.00 | 0.00 | 0.00 | -0.27 | 228000 | USGS | |
| AUI | AUGUSTINE ISLAND | 59 20.05 | 153 25.62 | 282 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | UCFA | |
| AUL | AUGUSTINE LAVA FLOW | 59 22.93 | 153 26.87 | 360 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | UCFA | |
| BAL | BALDY | 61 2.17 | 142 20.67 | 1300 | 3 | 0.01 | 0.00 | 0.00 | -0.19 | 0.00 | 182400 | USGS | |
| BCP | BANCAS POINT | 59 57.20 | 139 38.18 | 396 | 3 | 0.01 | 0.00 | 0.00 | -0.00 | -0.27 | 790000 | USGS | |
| BGM | BIG MOUNTAIN | 59 22.56 | 155 13.76 | 625 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | -0.27 | 638000 | USGS/UCFA | |
| BLR | BLACK RAPIDS | 63 36.10 | 145 50.70 | 809 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ATWC | |
| BMR | BREMNER RIVER | 60 58.09 | 144 36.18 | 823 | 2 | 0.01 | 0.00 | 0.00 | 0.37 | -0.27 | 987000 | USGS | |
| BRLK | BRADLEY LAKE | 59 46.85 | 150 53.13 | 631 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 185400 | USGS | |
| BRNE | BRADLEY LAKE NE | 59 54.65 | 150 39.13 | 1219 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 912000 | USGS | CLOSED 6/29/84 |
| BRNW | BRADLEY LAKE NW | 59 58.25 | 151 10.15 | 582 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 482000 | USGS | CLOSED 6/29/84 |
| BRSE | BRADLEY LAKE SE | 59 42.33 | 150 48.25 | 975 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 851000 | USGS | CLOSED 6/29/84 |
| BRSW | BRADLEY LAKE SW | 59 38.46 | 151 2.69 | 951 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 866000 | USGS | CLOSED 6/29/84 |
| BRW | BARROW | 71 16.43 | 156 47.00 | 13 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | UCFA | |
| CCB | CLEAR CREEK BUTTE | 64 38.80 | 147 48.33 | 219 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | UCFA | |
| CFI | COLLEGE FIORD | 61 18.96 | 147 45.99 | 3 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 456000 | USGS | |
| CGL | CHITNA GLACIER | 61 18.46 | 152 0.40 | 1082 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 836000 | USGS | |
| CHX | CHAIX HILLS | 60 2.78 | 141 7.00 | 1067 | 3 | 0.01 | 0.00 | 0.00 | -0.05 | -0.27 | 395000 | USGS | |
| CNP | CHINA POOT | 59 31.55 | 151 14.16 | 564 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 380000 | USGS/UCFA | |
| CRP | CRATER PEAK | 61 16.02 | 152 9.33 | 1622 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 380000 | USGS | |
| CSG | CHILDS GLACIER | 60 39.66 | 144 51.30 | 678 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 820000 | USGS | OPENED 7/28/84 |
| CTG | CHITNA GLACIER | 60 57.90 | 141 28.00 | 1554 | 3 | 0.01 | 0.00 | 0.00 | -0.53 | 0.00 | 790000 | USGS | |
| CVA | CORDOVA | 60 32.79 | 145 44.96 | 98 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | -0.81 | 209000 | USGS | |
| DWY | DAWSON CITY | 64 3.20 | 139 25.90 | 346 | 3 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | EMRC | |
| FBA | COLLEGE OUTPOST | 64 54.00 | 147 47.60 | 328 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ATWC | |
| FID | FIDALGO | 60 43.73 | 146 35.79 | 486 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | -0.27 | 885000 | USGS | |
| FYU | FORT YUKON | 66 33.63 | 145 12.60 | 137 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | UCFA | |
| GHO | GLORYHOLE | 61 46.33 | 148 55.45 | 1021 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 836000 | USGS | OPENED 9/11/84 |
| GKC | GOLD KING CREEK | 64 18.72 | 147 56.00 | 490 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | UCFA | |
| GLB | GILAHINA BUTTE | 61 26.51 | 143 48.63 | 845 | 3 | 0.01 | 0.00 | 0.00 | 1.60 | 0.00 | 1672000 | USGS | |
| GLC | GLACIER ISLAND | 60 53.44 | 147 4.38 | 3 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | -0.27 | 942000 | USGS | CLOSED 9/17/84 |
| GLI | GLACIER ISLAND | 60 52.78 | 147 5.65 | 429 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 942000 | USGS | OPENED 9/17/84 |
| GLM | GILMORE DOME | 64 59.23 | 147 23.33 | 820 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | UCFA | |
| GYO | GUYOT | 60 8.78 | 141 28.29 | 183 | 3 | 0.01 | 0.00 | 0.00 | -0.06 | -0.27 | 288000 | USGS | |
| HDA | HARDING LAKE | 64 24.35 | 146 57.23 | 458 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ATWC | |
| HIN | HINCHINBROOK ISLAND | 60 23.81 | 146 38.10 | 611 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | -0.81 | 425000 | USGS | |
| HMT | HAMILTON | 60 20.19 | 144 15.64 | 620 | 3 | 0.01 | 0.00 | 0.00 | 1.28 | -0.27 | 820000 | USGS | |
| HQN | HARLEQUIN | 59 27.10 | 138 52.62 | 372 | 3 | 0.01 | 0.00 | 0.00 | 0.00 | -0.27 | 987000 | USGS | |
| ILM | ILIAMNA | 60 18.92 | 152 48.97 | 550 | 1 | 0.01 | 0.44 | 0.00 | 0.00 | 0.00 | 760000 | USGS | |
| IMA | INDIAN MOUNTAIN | 66 4.11 | 153 49.72 | 1388 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | -0.27 | ATWC | | |
| INK | INUVIK | 68 17.50 | 133 38.00 | 40 | 3 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | EMRC | |
| KAI | KAYAK ISLAND | 59 55.61 | 144 24.98 | 311 | 2 | 0.01 | 0.00 | 0.00 | 1.50 | -0.81 | 380000 | USGS | |
| KDC | KODIAK | 57 44.87 | 152 29.50 | 13 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | -0.27 | ATWC | | |
| KLU | KLUTINA | 61 29.57 | 145 55.21 | 1021 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 3161000 | USGS | |
| KMP | KIMBALL PASS | 61 30.78 | 145 1.00 | 1143 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | -0.27 | 1732000 | USGS | |
| KNK | KNIK GLACIER | 61 24.75 | 148 27.34 | 595 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 957000 | USGS | |
| LVY | LEVY | 64 13.00 | 149 15.20 | 230 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | UCFA | |
| MBC | MOULD BAY | 76 17.50 | 119 21.60 | 15 | 3 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | EMRC | |
| MCK | MCKINLEY PARK | 63 43.94 | 148 56.10 | 610 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | UCFA | |
| MID | MIDDLETON ISLAND | 59 25.67 | 146 20.34 | 37 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | -0.27 | ATWC | | |
| MSE | MOOSE CREEK | 61 58.30 | 148 58.03 | 1318 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 817000 | USGS | OPENED 9/11/84 |
| MSP | MOOSE PASS | 60 29.35 | 149 21.64 | 150 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 912000 | USGS | |
| MTG | MONTAGUE ISLAND | 59 54.71 | 147 29.82 | 31 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | -0.81 | 184000 | USGS | |
| NEA | NENANA | 64 34.63 | 149 4.63 | 365 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | UCFA | |
| NKA | NIKISHKA | 60 44.58 | 151 14.28 | 100 | 1 | 4.00 | 1.36 | 0.00 | 0.00 | 0.00 | 57000 | USGS | |
| NNL | NINILCHIK | 60 2.53 | 151 17.78 | 366 | 1 | 4.00 | 0.67 | 0.00 | 0.00 | 0.00 | 289000 | USGS | |
| PAX | PAXSON | 62 58.25 | 145 28.11 | 1130 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | UCFA | |
| PDB | PEDRO BAY | 59 47.27 | 154 11.55 | 305 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | -0.27 | 790000 | USGS/UCFA | |
| PIN | PINNACLE | 60 5.80 | 140 15.40 | 975 | 3 | 0.01 | 0.00 | 0.00 | -0.01 | -0.27 | 836000 | USGS | |
| PLR | PALMER (USGS) | 61 35.53 | 149 7.85 | 100 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 199000 | USGS | OPENED 9/11/84 |
| PME | PALMER EAST | 61 37.90 | 149 1.70 | 232 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ATWC | |
| PMR | PALMER OBSERVATORY | 61 35.53 | 149 7.85 | 100 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ATWC | |
| PMS | ARCTIC VALLEY | 61 14.68 | 149 33.63 | 716 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ATWC | |
| PNL | PENINSULA | 59 48.00 | 139 23.82 | 585 | 3 | 0.01 | 0.00 | 0.00 | -1.10 | -0.27 | 775000 | USGS | |

TABLE 1 (continued). Station parameters

| STA CODE | STATION NAME | LATITUDE N | LONGITUDE W | ELEV M | P MOD | D KM | DLY1 SEC | DLY2 SEC | DLY3 SEC | TDLY SEC | MAG AT 1 Hz | INST | REMARKS |
|-------------|---------------------|---------------|----------------|-----------|----------|---------|-------------|-------------|-------------|-------------|----------------|-------|----------------|
| PRG | PORTAGE | 68 51.87 | 149 1.21 | 55 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 00500 | USGS | |
| PWA | HOUSTON | 61 39.05 | 149 52.72 | 137 | 1 | 0.01 | 0.70 | 0.00 | 0.00 | 0.00 | | ATWC | |
| PWL | PORT WELLS | 68 51.56 | 148 28.09 | 549 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 00100 | USGS | |
| RAG | RAG | 68 23.22 | 144 48.51 | 739 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 47100 | USGS | |
| RDS | RICHARD D. SIEGRIST | 64 49.59 | 148 8.68 | 510 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | UOFA | OPENED 7/28/84 |
| RDT | REDOUBT | 68 34.43 | 152 24.37 | 930 | 1 | 0.01 | 0.36 | 0.00 | 0.00 | 0.00 | 77500 | USGS | |
| SAW | SAWMILL | 61 48.49 | 148 19.98 | 740 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 167200 | USGS | |
| SCM | SHEEP MOUNTAIN | 61 50.00 | 147 19.66 | 1820 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | UOFA | |
| SDE | SADIE COVE | 59 26.60 | 151 16.92 | 770 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 79000 | USGS | CLOSED 6/29/84 |
| SDN | SAND POINT | 55 28.48 | 160 29.75 | 38 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | UOFA | |
| SGA | SHERMAN GLACIER | 68 32.04 | 145 12.42 | 424 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | 74400 | USGS |
| SIT | SITKA | 57 3.42 | 135 19.47 | 19 | 3 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | -0.27 | ATWC | |
| SKL | SKILAK | 68 30.86 | 150 12.96 | 640 | 1 | 0.01 | 0.10 | 0.00 | 0.00 | 0.00 | 41000 | USGS | |
| SKN | SKWENTNA | 61 58.82 | 151 31.78 | 564 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 167200 | USGS | CLOSED 7/28/84 |
| SLK | SKILAK | 68 30.74 | 150 13.26 | 655 | 1 | 0.01 | 0.10 | 0.00 | 0.00 | 0.00 | 97200 | USGS | OPENED 7/28/84 |
| SLV | SELDONIA | 59 28.28 | 151 34.83 | 91 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 36400 | USGS | |
| SPU | SPURR | 61 18.90 | 152 3.26 | 880 | 1 | 0.01 | 0.39 | 0.00 | 0.00 | 0.00 | 182400 | USGS | |
| SSN | SUSITNA | 61 27.83 | 150 44.60 | 1297 | 1 | 0.01 | 0.67 | 0.00 | 0.00 | 0.00 | 47100 | USGS | |
| SSP | SUNSHINE POINT | 68 12.30 | 142 49.80 | 385 | 3 | 0.01 | 0.00 | 0.00 | 0.79 | -0.27 | 28900 | USGS | |
| SUK | SUCKLING HILLS | 68 4.42 | 143 46.62 | 454 | 3 | 0.01 | 0.00 | 0.00 | 2.14 | -0.81 | 22000 | USGS | |
| SVW | SPARREVDHN | 61 6.49 | 155 37.30 | 762 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | -0.27 | ATWC | |
| SWD | SEWARD | 68 6.22 | 149 26.96 | 91 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 38000 | USGS | |
| TOA | TOLSONA | 62 6.29 | 146 18.34 | 989 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | ATWC | |
| TSI | TSINA | 61 13.57 | 145 28.24 | 1113 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | -0.27 | 76000 | USGS |
| TTA | TATALINA | 62 55.00 | 156 1.32 | 914 | 1 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | -0.27 | ATWC | |
| TTV | TERRENTIEV LAKE | 61 3.29 | 147 7.29 | 533 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | UOFL | OPENED 9/19/84 |
| VLZ | VALDEZ | 61 7.89 | 146 19.92 | 18 | 2 | 0.01 | 0.00 | 0.10 | 0.00 | -0.27 | 45600 | USGS | |
| VZW | VALDEZ WEST | 61 3.54 | 146 33.24 | 796 | 2 | 0.01 | 0.00 | 0.00 | 0.00 | -0.27 | 86600 | USGS | |
| WAX | WAXELL RIDGE | 68 26.90 | 142 51.10 | 975 | 3 | 0.01 | 0.00 | 0.00 | 0.61 | -0.27 | 79000 | USGS | |
| WRG | WHITE RIVER GLACIER | 68 2.27 | 142 1.90 | 550 | 3 | 0.01 | 0.00 | 0.00 | 0.66 | -0.27 | 19000 | USGS | |
| YAH | YAHTSE | 68 21.51 | 141 44.70 | 2135 | 3 | 0.01 | 0.00 | 0.00 | 0.17 | -0.27 | 197500 | USGS | |
| YKA | YELLOWKNIFE ARRAY | 62 29.59 | 114 36.32 | 280 | 3 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | EMRC | |
| YKG | YAKATAGA | 68 4.20 | 142 25.33 | 46 | 3 | 0.01 | 0.00 | 0.00 | 0.00 | -0.27 | 5500 | USGS | |
| YKU | YAKUTAT | 59 32.72 | 139 43.73 | 15 | 3 | 0.01 | 0.00 | 0.00 | 0.35 | -0.27 | | ATWC | |

This table lists geographic coordinates and other pertinent information for seismograph stations operated by the USGS and institutions in southern Alaska used in the preparation of this catalog. P-MOD is the number of the preferred P-wave velocity model assigned to the station unless the earthquake occurs east of longitude 144.5°W and outside the Icy Bay region, in which case the Eastern model is assigned to all the stations (see Table 3). The numbers 1, 2, and 3 correspond to the Western, Central, and Icy Bay models. D is the thickness of the low-velocity surficial sedimentary layer in kilometers assigned in the calculation of traveltimes to a given station. DLY is the station P-phase traveltime delay correction in seconds. The station traveltimes to a given station are all currently set to 0.00 s and are not listed. TDLY is the telephone line delay correction in seconds. The magnification (MAG) of the vertical seismograph component is given at 1 Hz. The institutions (INST) other than the USGS operating the stations are the Alaska Tsunami Warning Center (ATWC), the Geophysical Institute of the University of Alaska (UOFA), the University of Washington (UOFL) and the Department of Energy, Mines, and Resources, Canada (EMRC). Station BGM was not operational during 1984 and is not included in Table 2.

USGS STATIONS

| A A B B B R R R R C C C C F G G G G H H I K K K M M M N N P P P P R S S S S S S S S T T V V V W W Y | | | | | | | | | | | |
|---|---|---|---|-------|-----|---|-----|-----|-----|-----|----|
| B G A C M L N N S S S F G H N R S S T V I H L L L Y I M O L A L M N S S T K N D I L N R W A D A D G K K L P S S S S S S S S T V V V W W Y | | | | | | | | | | | |
| F A L P R K E W E W I L X P P G G A D O B C I O N T N M I U P K E P G A L B N R L G L G T W E A L N K V U N P K D I V Z U X G H G | | | | | | | | | | | |
| JAN | F | L | A | C | 18 | 7 | 5 | 415 | 6 | 9 | G |
| FEB | G | J | 7 | 119 | 8 | 6 | 6 | 512 | 5 | 6 | E |
| MAR | G | K | N | C | 18 | 6 | 7 | 511 | 4 | 6 | I |
| APR | G | 9 | 9 | 7 | 61F | 8 | 8 | 61 | 1 | 7 | H |
| MAY | B | H | 9 | 319 | 8 | 6 | 7 | 512 | 8 | 8 | A |
| JUN | B | 7 | C | 6 | 319 | 7 | 6 | 7 | 512 | 8 | B |
| JUL | B | 9 | F | 9 | 412 | 7 | 4 | 512 | 6 | 6 | C |
| AUG | B | 8 | E | 8 | 316 | 7 | 4 | 512 | 5 | 6 | D |
| SEP | B | 9 | F | 19 | 417 | 7 | 4 | 512 | 5 | 6 | E |
| OCT | B | 9 | F | 7 | 316 | 7 | 4 | 512 | 6 | 6 | F |
| NOV | B | A | F | 7 | 215 | 7 | 4 | 512 | 6 | 6 | G |
| DEC | A | F | 8 | 316 | 7 | 4 | 512 | 6 | 6 | H | |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| STA | 0 | 3 | 9 | 0 | 5 | 9 | 4 | 4 | 35 | 0 | 2 |
| TOT | 0 | 2 | 8 | 8 | 5 | 7 | 4 | 1 | 0 | 229 | 5 |
| 7 | 8 | 9 | 9 | 9 | 9 | 2 | 1 | 6 | 5 | 3 | 12 |
| 8 | 9 | 9 | 9 | 9 | 9 | 1 | 4 | 6 | 6 | 4 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 10 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 11 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 12 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 13 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
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| 15 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 16 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 17 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 18 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 19 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 20 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 21 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 22 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 23 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 24 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 25 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 26 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 27 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 28 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 29 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 30 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 31 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 32 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 33 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 34 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 35 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 36 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 37 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 38 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 39 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 40 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 41 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 42 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 43 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 44 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 45 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 46 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 47 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 48 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 49 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 50 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
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| 59 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 60 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 61 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 62 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 63 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 64 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 65 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 66 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 67 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
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| 73 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 74 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 75 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 76 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 77 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 78 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 79 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 80 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 81 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
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| 83 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 84 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 85 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 86 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 87 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 88 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 89 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 90 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 91 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 92 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 93 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 94 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 95 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 96 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 97 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 98 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 99 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 100 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 101 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
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| 104 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 105 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 106 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 107 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 108 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 109 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
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| 116 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
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| 118 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 119 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 120 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 121 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 122 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 123 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 124 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 125 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 126 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 127 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 128 | 9 | 9 | 9 | 9 | 9 | 2 | 1 | 4 | 6 | 6 | 9 |
| 129 | 9 | 9 | 9 | 9</td | | | | | | | |

INSTRUMENTATION

The instrumentation used in the USGS seismograph network is illustrated in the block diagram in Figure 2. Data from each seismometer are telemetered to the NOAA Alaska Tsunami Warning Center in Palmer. The standard equipment at each field site includes a vertical seismometer with a natural frequency of 1.0 Hz (Mark Products, Model L-4), an electronics package consisting of an amplifier, calibrator, and a voltage-controlled oscillator (A1VCO), and "air-cell" storage batteries (McGraw-Edison, Model ST-2-1000) or a solar panel and 80 amp-hr storage batteries.

The USGS-designed A1VCO amplifier-oscillator (Rogers and others, 1980) features crystal-referenced center frequency, digital channel selection, firm-ware based calibration cycle, ultra-low noise synthesized FM output and automatic gain-ranging (Rogers, 1986). The crystal reference eliminates the problem of carrier drift experienced with previous VCO designs. In addition, by using digital techniques to synthesize and shape the carrier waveform, the A1VCO reduces channel noise, eliminates lengthy tuning procedures, and allows for the field selection of channel frequencies. The A1VCO automatically calibrates the seismograph system every 24 hours providing information on electronic noise, geophone response, amplifier/VCO response, overall system response, station identification code, field gain setting, air temperature, and battery voltage. With this information the operational status of the station can be monitored, and equipment problems can be diagnosed prior to visiting the field installation. The A1VCO incorporates an automatic gain-ranging feature so that larger events are less likely to clip. Gain-ranging reduces the original gain by a factor of 10 within one millisecond after the input signal exceeds a preset threshold. A few of the stations now have an additional gain-range step which reduces the original gain by a total factor of 500. Another feature of the A1VCO is the monitoring of a remote strong-motion earthquake recorder co-located with the high-gain seismic station. When the recorder triggers and when the recording ends, a distinctive signal is superimposed on the A1VCO output. This signal can be accurately timed to determine the time of operation of the strong-motion recorder.

Data are telemetered via a combination of VHF (162-174 MHz) radio links and leased telephone circuits, some of which use satellite links having a 0.27 s transmission delay per hop. The radio equipment consists of low-power (100 mW) transmitters and receivers adapted from HT-200 Motorola handie-talkie transceivers, and either Yagi antennae with 9 db directional gain (Scala, Model CAS-150) or log periodic antennae (Scala, Model CL-150). At the receive sites, where the seismic signals enter the telephone circuits, base-station radio receivers (G.E. Model R46AP66B) with greater sensitivity are used. The central recording facility incorporates a bank of discriminators (USGS-designed NCER J101 or Develco Model 6203), four 16 mm-film 20-channel oscillographs (Teledyne Geotech Developorder, Model RF400 and 4000D), a 14-track FM magnetic tape recorder (Bell and Howell Model VR3700B), three 3-channel drum recorders (Teledyne Geotech Helicorder, Model RV301B), and a time-code generator (Datum, Model 9100).

The principle of operation is as follows: The seismometer translates ground velocity into an electrical voltage that is fed into the amplifier/VCO unit. There the amplified voltage causes the frequency of the VCO to fluctuate about its center frequency. The frequency-modulated (FM) tone from the

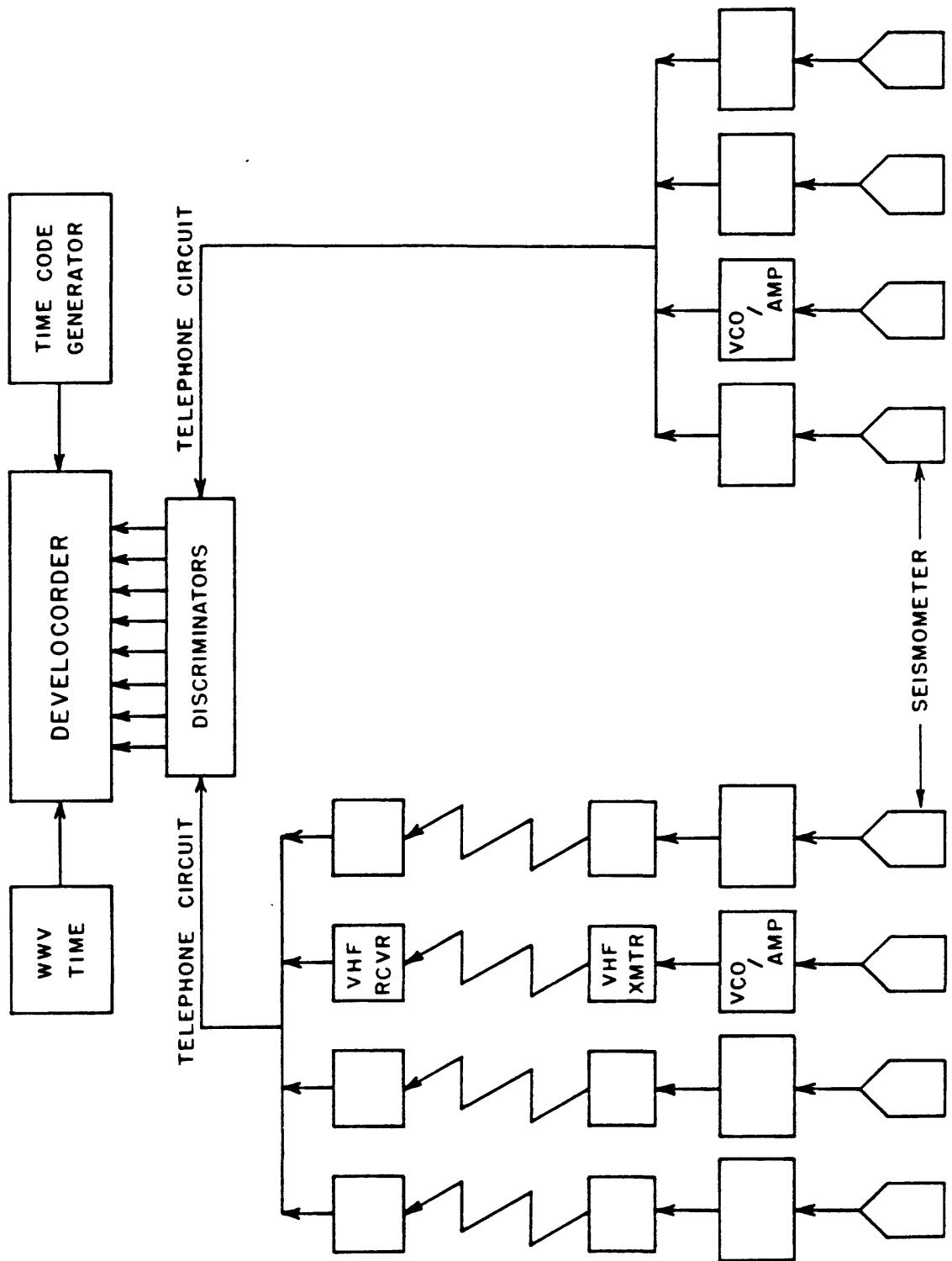


Figure 2. Block diagram of telemetered seismograph system in the USGS Alaska seismic network.

amplifier/VCO unit is carried directly to the recording site by VHF radio links and/or voice-grade telephone circuit. Signals from nine seismograph stations can be transmitted on a single telemetry circuit using standard frequency division multiplexing techniques with a 340 Hz separation between carriers and a constant bandwidth of 250 Hz per channel. The channel frequencies range from 340 to 3,060 Hz. At the recording site the FM seismic signal is demodulated by a discriminator. The demodulated signal, which is simply an amplified and filtered form of the initial signal from the seismometer, is recorded on the oscillograph and tape recorder together with time signals from the time-code generator. Twenty-four hours of data from 18 stations can be recorded on a single 43 m-long roll of 16-mm film, while data from nine stations can be recorded on a single track of a 7,200 ft-long, 14-track tape. Several stations are also recorded on Helicorder records for monitoring purposes.

Figure 3 illustrates the response characteristics of the entire seismic system from seismometer to film viewer. The response level at each station is adjusted in steps of 6 decibels so that the ambient seismic noise produces a small deflection of the trace on the film. As a result, the actual response for an individual station may differ from that of the typical station by a factor of 2, 4, 8, etc. The magnification of the typical station is about 6×10^4 at 1 hz and 10^6 at 10 Hz.

DATA PROCESSING

The 16-mm films (four per day), magnetic tapes (one per day), and Helicorder records (three per day), are mailed weekly from Palmer to Menlo Park where the seismic data are processed by the following multi-step routine:

1. Scanning. The scan film, which records data from 18 stations distributed throughout the network, is scanned to identify and note times of all seismic events whether of local, regional, or teleseismic origin.
2. Timing. For the "well-recorded" local earthquakes identified in the scanning process, the following data are read from each station: P- and S-wave arrival times, direction of first motion, duration of signal in excess of a given threshold amplitude, and period and amplitude of maximum recorded signal. The criterion for choosing earthquakes to be timed is the duration of the signal, which is related to the magnitude. The network is divided into two regions--western and eastern--bounded approximately by longitudes 156° and 145° W., and 145° and 134° W., respectively, and by latitudes 58° and 63° N. Starting on April 1, 1984, the northern border for timing earthquakes was moved south to latitude 62.5° N, closer to the northern edge of the network, to reduce the number of events processed outside the network. In the western region, only events with signal durations longer than 30s are timed. In the eastern region, all earthquakes that are recorded by at least three stations and that produce at least four clear arrivals are timed. These criteria were established to select from the large number of earthquakes recorded by the network those shocks that are of greatest interest to current research objectives. In areas where special studies are being conducted, exceptions to the standard criterion may be made to facilitate the study. For example, to investigate the distribution of small, shallow crustal earthquakes near the city of Anchorage and the active volcanoes, Mt. Spurr and Mt. Redoubt, any earthquake with an S-phase minus P-phase time interval of less than or equal to 5 at one of the stations PMS, SSN, SPU, and RDT was timed if it was recorded at three or more stations.

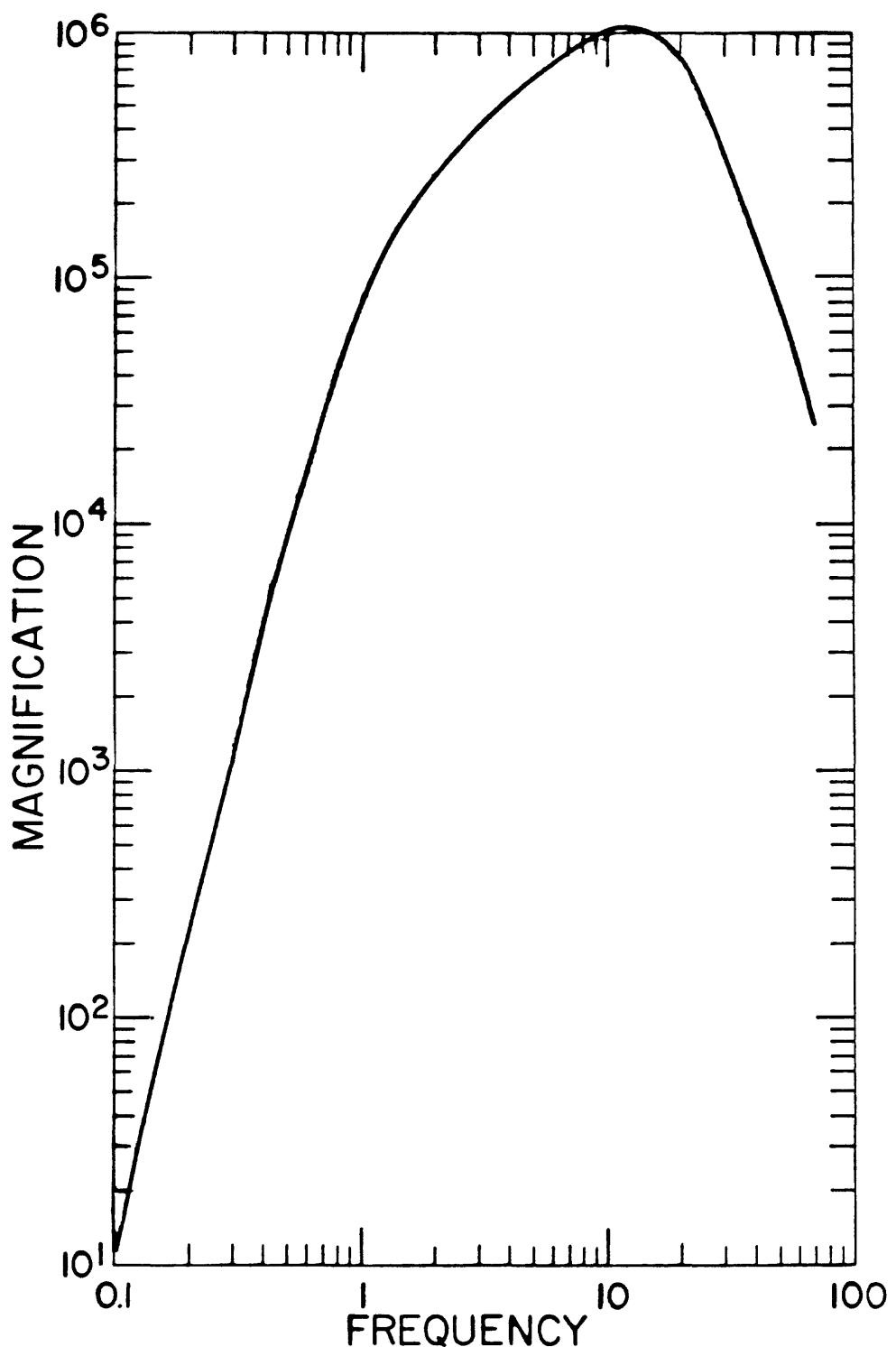


Figure 3. System response curve for typical USGS Alaska seismographs that incorporate the A1VCO unit.

The bulk of timing is done by projecting the seismic traces from the film onto a one-film wire-grid or four-film sonic (Astrue and others, 1983) computer-based digitizing table, where the P- and S-phases and magnitude information are fed into a computer and reformatted using the program DIGIT3 (written by P. Ward and W. Ellsworth, USGS) for input into a hypocentral location program. Since the fall of 1983 a part of the timing has utilized digital waveform data obtained by digitizing the daily FM magnetic tapes at 100 samples per second. An interactive, computer-based processing system (Stevenson, 1978) is used to display the seismic traces and to pick the phase data.

3. Initial computer processing. The phase data for the timed events are batch processed by computer using the program HYPOELLIPSE (Lahr, 1984) to obtain origin times, hypocenters, magnitudes and, if desired, first-motion plots for fault-plane solutions. The HYPOELLIPSE computer program determines hypocenters by minimizing differences between observed and computed traveltimes through an iterative least-squares scheme. In many respects the program is similar to HYPO71 (Lee and Lahr, 1972), which has been used in the preparation of catalogs of central California earthquakes since January 1969. An important feature available in HYPOELLIPSE is the calculation of confidence ellipsoids for each hypocenter. The ellipsoids provide valuable insight into the effect of network geometry on possible hypocentral errors.

4. Analysis of initial computer results. Each hypocentral solution is checked for traveltimes residuals greater than or equal to 0.75 seconds and for a poor spatial distribution of stations. Arrival times that produce large residuals are re-read. For shocks with a poor distribution of stations, readings from additional stations, including those outside the USGS network, are sought.

5. Final computer processing. Poor hypocentral solutions are rerun with corrected and/or additional data, and the new solutions are checked for large residuals that might be due to remaining errors. Corrections are made as required before the final computer run.

The earthquake locations are based on P- and S- arrivals. S-arrivals are important for determining epicenters of shocks outside the network and depths of events in the Benioff zone beneath the network in Cook Inlet. For some large events timed from the films S-arrivals cannot be read at any station because the traces on the film overlap each other or are too faint to read. However, S-arrivals not readable from the films can often be picked when the digital waveform data is used.

VELOCITY MODELS

Our experience with locating earthquakes in southern Alaska suggests that significant lateral variations are present in the velocity structure across the network. Such variations might be expected from the complicated geology and tectonics of the region (e.g., Plafker, 1967; Fuis and others, 1985). Four velocity models were used in locating the 1984 earthquakes, as described below and summarized in Table 3.

1. Western Model

| <u>Layer</u> | <u>Depth (km)</u> | <u>P velocity (km/s)</u> |
|--------------|-------------------|--------------------------|
| 1 | 0 - D | 2.75 |
| 2 | D - 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 | below 65 | 8.3 |

This model is based on a study of earthquakes below the Kenai Peninsula (Model A, Matumoto and Page, 1969). The thickness, D, of the first layer is allowed to vary between stations to account for the presence of thick sections of low-velocity sediments beneath the stations NKA and NNL, which are located in the Cook Inlet basin. For these stations, D is 4 km; for all other stations, D is 0.01 km. It is recognized that a model comprised of uniform horizontal layers is a poor representation of the actual velocity structure in the vicinity of a subduction zone (Mitronovas and Isacks, 1971; Jacob, 1972, McLaren and Frohlich, 1985), however such a model does have the advantage of simplifying the computation of traveltimes. In order to determine any bias that might result from the approximation, a set of events in the Benioff zone below Cook Inlet was relocated using a ray-tracing program of E. R. Engdahl and incorporating a more realistic, three-dimensional velocity model (Lahr, 1975). Hypocenter shifts, apparently due to the oversimplified flat-layer model, ranged from near zero at a depth of 60 km to as great as 25 km at the 160 km depth. The offsets were oriented in such a way that the dip of the Benioff zone would appear to be too great for locations based on a flat-layered model.

2. Central Model

| <u>Layer</u> | <u>Depth (km)</u> | <u>P velocity (km/s)</u> |
|--------------|-------------------|--------------------------|
| 1 | 0.0 | 2.75 |
| 2 | 0.01 | 6.4 |
| 3 | below 39 | 8.0 |

This model was developed empirically by minimizing the RMS traveltime residuals for a set of selected earthquakes in the Valdez region.

3. Icy Bay Model

The Icy Bay model consists of a layer of linearly increasing velocity with depth over a constant-velocity half space and was developed for aftershocks of the 1979 St. Elias earthquake by Stephens and others (1980). The P-wave velocity of the first layer increases from 5.0 km/s at the surface to 7.8 km/s at 32 km depth, while the half-space has a velocity of 8.2 km/s.

4. Eastern Model (exclusive of Icy Bay)

| Layer | Depth (km) | P velocity (km/s) |
|-------|------------|-------------------|
| 1 | 0.0 | 2.75 |
| 2 | 0.01 | 6.25 |
| 3 | below 30.0 | 7.5 |

This model is based on a study of earthquakes below the Wrangell volcanoes (Stephens and others, 1984).

The velocity model used to calculate the traveltime from an earthquake to a given station is based on the location of both the earthquake and the station. This particular method of assigning velocity models was chosen to minimize possible spurious offsets between hypocenters on opposite sides of a model boundary. Table 3 summarizes the assignment of velocity models. Work continues on improving our modeling of the first-order velocity features of southern coastal Alaska.

Table 3. Geographical boundaries used to assign velocity model, starting depth, and delay models

| EARTHQUAKE LOCATION | VELOCITY MODEL | | | TRIAL DEPTH KM | DELAY MODEL | | |
|---|-----------------------------|--|----------------------------|----------------------|----------------|--|--|
| | station location | | | | | | |
| | Western West of 148.75°W | Central Between 148.75°W and 144.5°W | Eastern East of 144.5°W | | | | |
| Western (West of 148°W) | 1 | 2 | 3 | 75. | 1 | | |
| Central (148°-144.5°W) | 1 | 2 | 3 | 30. | 2 | | |
| Icy Bay (59.25°-61.0°N, 138°-142.25°W) | 1 | 2 | 3 | 15. | 3 | | |
| Eastern (East of 144.5°, but exclusive of Icy Bay) | 4 | 4 | 4 | 15. | 4 | | |

The velocity model assigned to a particular station depends on the location of both the station and the event. The trial depth and delay model are assigned on the basis of the earthquake location only. The numbers 1-4 refer to the Western, Central, Icy Bay, and Eastern models, respectively.

TRAVELTIME DELAY MODELS AND TRIAL FOCAL DEPTHS

Corrections for P-phase traveltimes delay are applied at stations in the network that have consistent large residuals for large groups of earthquakes. Corresponding corrections for S-phase traveltimes are determined by multiplying the P-delay by 1.78, the P- to S-velocity ratio. Each station has

four P-delay corrections assigned to it (see Table 1). The particular correction that is used to locate an earthquake is determined by the region in which the earthquake occurs (see Table 3). For example, a station near Icy Bay that is used to locate an earthquake beneath Cook Inlet will be assigned a correction DLY1, but the same station will use DLY3 to locate an earthquake that occurs beneath Icy Bay.

Additional corrections are applied at several stations to correct for telemetry delays associated with one or more satellite links in the relay of the signal (Table 1).

The initial or trial focal depths for earthquakes which occur in the western, central, and eastern parts of the network are 75, 30, and 15 km, respectively, and reflect a progressive decrease in the range of depths of earthquakes from the west to east (see Table 3).

MAGNITUDE

Magnitudes are determined from either the coda duration or the maximum trace amplitude. Eaton and others (1970) approximated the local Richter magnitude, whose definition is tied to maximum trace amplitudes recorded on standard Wood-Anderson horizontal torsion seismographs, by an amplitude magnitude based on maximum trace amplitudes recorded on high-gain, high-frequency vertical seismographs, such as those operated in the Alaskan network. The amplitude magnitude, XMAG, used in this catalog is based on the work of Eaton and his co-workers and is given by the expression (Lee and Lahr, 1972):

$$XMAG = \log_{10} A - B_1 + B_2 \log_{10} D^2 \quad (1)$$

where A is the equivalent maximum trace amplitude in millimeters on a standard Wood-Anderson seismograph, D is the hypocentral distance in kilometers, and B_1 and B_2 are constants. Differences in the frequency response of the two seismograph systems are accounted for in A. It is assumed, however, that there is no systematic difference between the maximum horizontal ground motion and the maximum vertical motion. The terms $-B_1 + B_2 \log_{10} D^2$ approximate Richter's $-\log_{10} A_0$ function (Richter, 1958, p. 342), which expresses the trace amplitude for an earthquake of magnitude zero as a function of epicentral distance, and which was derived for earthquakes in southern California. The constants used are $B_1 = 0.15$ and $B_2 = 0.08$ for $D = 1-200$ km, and $B_1 = 3.38$ and $B_2 = 1.50$ for $D = 200-600$ km. The constants in the attenuation function have not been calibrated for southern coastal Alaska.

Coda durations are also used because the maximum trace amplitude is often off scale due to the limited dynamic range of the film recording. For small, shallow earthquakes in central California, Lee and others (1972) express the duration magnitude, FMAG, at a given station by the relation:

$$FMAG = -0.87 + 2.00 \log_{10} T + 0.0035 D \quad (2)$$

where T is the signal duration in seconds from the P-wave onset to the point on the Develocorder film where the peak-to-peak trace amplitude of the coda envelope measured on a film viewer with 20X magnification falls below 1 cm and D is the epicentral distance in kilometers.

Comparison of XMAG and FMAG estimates from equations (1) and (2) for 77 southern Alaskan shocks in the depth range 0 to 150 km and in the magnitude range 1.5 to 3.5 reveals a systematic linear decrease of FMAG relative to XMAG

with increasing focal depth. However, no systematic dependence of T on D has been found. The following equation, including a linear depth-dependence term but not a distance term, is therefore used for Alaska:

$$FMAG = -1.15 + 2.00 \log_{10} T + 0.007 Z \quad (3)$$

where Z is the focal depth in kilometers.

The coda duration magnitudes calculated from the network data are systematically less than the magnitudes reported in the Earthquake Data File (EDF) of NOAA (Lahr and Stephens, 1983). Based on a preliminary analysis, the empirical relationship between body-wave magnitude m_b and duration magnitude, M_D , is:

$$m_b = 1.3 M_D - 0.39 \quad (4)$$

The magnitude preferentially assigned to each earthquake in this catalog is the mean of the FMAG (equation 3) estimates obtained for USGS stations. When no FMAG can be determined, the mean of the XMAG (equation 1) estimates for USGS stations is reported.

ANALYSIS OF HYPOCENTRAL QUALITY

Two types of errors enter into the determination of hypocenters: systematic errors limiting the accuracy and random errors limiting the precision. Systematic errors result mainly from incorrect modeling of the seismic velocity structure in the earth and from incorrect phase identification. Random errors arise primarily from timing errors and their effect on the solution can be estimated for each earthquake through the use of standard statistical techniques.

The HYPOELLIPSE computer program determines hypocenters by minimizing difference between observed and computed traveltimes through an iterative least-squares process. For each earthquake, HYPOELLIPSE calculates the lengths and orientations of the principal axes of the joint confidence ellipsoid. The one-standard-deviation confidence ellipsoid describes the region of space within which one is 68 percent confident that the hypocenter lies, assuming that the only source of error is random reading errors. The confidence ellipsoid is a function of the geometry of the stations recording each individual event, the velocity model assumed, and the standard deviation of the random reading error; it is a measure of the precision of the hypocentral solution (see descriptions of SEH and SEZ in Appendix A). The standard deviation determined from repeated readings of the same phases by four seismologists is as small as 0.01 to 0.02 s for the most impulsive arrivals and as large as 0.10 to 0.20 s for emergent arrivals. The confidence ellipsoids are computed for a standard deviation of 0.16 s and therefore likely overestimate the 68 percent confidence regions. The standard deviation of the residuals for an individual solution is not used to calculate the confidence ellipsoid because it contains information not only about random reading errors but also about the incompatibility of the velocity model to the data. In a few extreme cases the value calculated for one of the ellipsoid axes becomes very large corresponding to a spatial direction with very great uncertainty. In these cases an upperbound length of 25 km is tabulated. In most hypocentral solutions, the epicentral precision (SEH) is better determined than the focal depth precision (SEZ) so that SEH is generally

smaller than SEZ.

To fully evaluate the quality of a hypocenter one must consider both the size and orientation of the confidence ellipsoid and the root-mean-square (RMS) residual (see description of RMS in Appendix A). In addition to reflecting random errors, the RMS residual can be large due to the misfit of the velocity model to the actual velocities within the earth, misinterpretation of phases, and systematic timing errors. In areas where the velocity structure is accurately known, a large RMS residual would probably indicate errors in the phase data. If the assumed velocity model does not represent the true seismic velocity structure within the earth, the RMS residuals could be large and reflect the incompatibility; alternatively, the RMS residuals could be small and not indicate the actual error in a mislocated hypocenter.

Other parameters provided by HYPOELLIPSE that are helpful in evaluating the quality of a hypocentral solution are: 1) GAP, the largest azimuthal separation between stations measured in degrees at the epicenter. If GAP exceeds 180°, the earthquake lies outside the network of stations used to locate the shock, and the solution is generally less reliable than that for an event occurring inside the network. 2) D1, the epicentral distance in kilometers of the closest station used in the solution. Solutions where D1 is less than the calculated depth generally have smaller SEZ values (better depth precision) than for events which have calculated depths that exceed the epicentral distance to the closest station. 3) NP and NS, the number of P- and S-arrivals, respectively, used in the solution. The accuracy of the solutions generally improves with an increase in the number of P- and S-arrivals. The RMS residual may actually increase, however, if distant stations are included in locating an event, because the differences between the observed and calculated traveltimes commonly increase with increasing epicentral distance due to the errors in the assumed velocity model. Such systematic errors may cause the RMS residual to increase, even though the addition of distant stations well-distributed in azimuth generally improves the accuracy of the solution.

FOCAL DEPTHS

Previous studies (e.g., Francis and others, 1978; Lilwall and Francis, 1978; Uhrhammer, 1980; and McLaren and Frohlich, 1985) have shown that the accuracy of focal depths for shocks occurring in the vicinity of a seismic network is primarily a function of the geometrical configuration of the network, the number of P- and S-phase arrivals read, and the adequacy of the assumed velocity model. Depths are generally more accurate for events located within the network or on its periphery than for those occurring outside and for earthquakes where the distance from the epicenter to the closest station (D1) is less than the calculated focal depth. The accuracy of focal depths usually increases as the number of S-phase arrivals increases.

Focal depths for shallow (depth less than about 20-30 km) shocks within the southern Alaska network generally are not well constrained due to the relatively large distances between stations and to a lack of knowledge about the velocity structure. Calculated depths for the same event can vary by several kilometers depending on the number of P- and S-phase arrivals used in the location, the trial focal depth, the velocity model, and the P-phase traveltime corrections used to locate the earthquake. Ambiguity in the calculated depth arises in cases where the traveltimes to receiving stations are similar for upward-leaving rays from a deep source and for

downward-leaving rays from a shallow source; this situation leads to double minima in the variation of RMS residuals with depth.

COMPLETENESS OF CATALOG

The magnitude threshold at which the catalog is complete varies geographically as a function of the density of stations and the criteria for timing earthquakes (see section on Data Processing). East of longitude 145°W, Lahr and Stephens (1983) found that the magnitude level for completeness was about coda magnitude 1.6 for an approximately 100-km wide zone extending inland from the coast but was about 2.4 for areas north and south of the 100-km wide coastal zone. West of longitude 145°W we estimate that this catalog is reasonably complete within the boundaries of the network for shallow events (0-40 km) of about coda magnitude 2.0 and larger. The completeness level increases with increasing depth for the events in the Benioff zone so that for earthquakes deeper than 100 km the catalog is complete above about magnitude 2.8.

DISCUSSION OF CATALOG

Hypocenters have been determined for 3446 earthquakes recorded by the USGS seismograph network in southern Alaska for 1984 (see Appendix A). The precision of the hypocenters, or the relative location accuracy of neighboring events, is represented by the confidence ellipsoids. The precision of epicenters, expressed in terms of the maximum semi-axes of the projected one-standard-deviation confidence ellipsoid (SEH), averages 1.9, 1.0, and 1.7 km, respectively, in the eastern (east of longitude 145°W.), central (between longitudes 145° and 150°W.) and western (west of longitude 150°W.) parts of the network. Similarly, the precision of focal depth (SEZ) averages about 2.9, 1.4 and 2.6 km, respectively. The variation in the precision of hypocenter determination across the network is strongly influenced by differences in the station coverage in the different regions. Hypocenter biases equal to and larger than the dimensions of the confidence ellipsoids are not unlikely as a consequence of the over-simplified velocity models assumed in the preparation of this catalog.

During 1984, the largest event located by the network was a magnitude 5.7 m_b (5.2 M_S) shock on August 14 located within the crust near Sutton, about 80 km northeast of Anchorage (see Figure 4). The focal mechanism and distribution of aftershocks for this event suggest that it occurred on the ENE-WSW-trending Talkeetna segment of the Castle Mountain fault, thus providing the first clear evidence that this segment of the fault is active (Lahr and others, 1985). Two shocks of magnitude 5.5 m_b (5.2 M_S , 4.2 M_D) and 5.1 m_b (4.7 M_S , 3.9 M_D) with nearly identical epicenters occurred 11 minutes apart on September 20 at shallow depth southeast of Hinchinbrook Island. The pair of events did not have a detectable aftershock sequence. However, in the surrounding offshore region, it is not unusual for double or single shocks of comparable magnitude to occur without significant aftershock activity. Two other events exceeding magnitude 5 m_b occurred during 1984, both within the Aleutian Benioff zone; a 5.3 m_b (4.3 M_D) shock on March 23 west of Mt. Douglas and a 5.1 m_b (4.3 M_D) shock on April 18 about 100 km southwest of Anchorage.

Below 30 km depth the distribution of earthquakes is dominated by activity within the northwest-dipping Aleutian Benioff zone west and north of the Cook Inlet region (Figure 5 and Figure 8, sections C-E). The depth to the top

of this zone varies from about 50 km beneath the western Kenai Peninsula to about 115 km beneath the active volcanoes west of Cook Inlet. Clusters of intense seismic activity in the Benioff zone below 70 km depth observed beneath Mts. Iliamna and Denali (Mt. McKinley) are persistent features that characterize this segment of the subducted Pacific plate. The seismicity east of the Cook Inlet region appears to be bounded by a northwest-southeast trending line, which passes about 50 km northeast of Valdez. Such a line approximately delineates the northeastern terminus of the Aleutian Benioff zone (Stephens and others, 1984). The diffuse appearance of the Aleutian Benioff zone in Figure 8, section C, may be attributed in part to a lack of focal depth control for earthquakes north of the USGS network (north of latitude 62°N). No events deeper than 35 km were located in the weakly active, NNE-dipping Wrangell Benioff zone (Stephens and others, 1984) south of the Wrangell volcanoes.

Epicenters of shocks shallower than 30 km depth are shown in Figure 6. West of about longitude 148°W., nearly all events occur within the overriding North American plate. The rate of activity within the overriding plate is low compared to that of the Aleutian Benioff zone in the upper part of the subducting Pacific plate. The most prominent feature in the distribution of the shallow seismicity is aftershock activity from the August 14, 1984, earthquake near Sutton. The plotted data are not complete below magnitude 2; areas of special study marked by numerous events with magnitude less than 2 events are apparent, and include the volcanic arc west of Cook Inlet, the southern Kenai Peninsula, and the Anchorage region. In general, the crustal activity is not concentrated along the mapped traces of major faults. In fact, the Sutton earthquake is the first shallow event within the network that can be unequivocally associated with a major mapped fault since the regional network began recording in 1971.

North of Prince William Sound two concentrations of events occur in the shallow seismicity (Figure 6). The tight cluster of events about 50 km west of Valdez along the northern margin of Prince William Sound is due to continuing aftershock activity from the 1983 Columbia Bay shocks (Page and others, 1985), which are attributed to normal slip on a NNE-striking fault within the subducted Pacific plate. A more diffuse concentration of events located about 40 km to the northeast has a similar trend, but is offset from the strike of the Columbia Bay aftershock zone. A more detailed description of the earthquake activity around Valdez for 1983-1984 can be found in Fogleman and others (1986).

East of longitude 145°W., the apparent high rate of shallow activity is due at least in part to a lower magnitude threshold used in selecting events for processing. In contrast to the region west of Prince William Sound, most of the earthquakes within the prominent concentration of activity north of Icy Bay in the 1979 St. Elias aftershock zone (Stephens and others, 1980), occur in a thin subhorizontal tabular zone that may be the thrust interface between the North American plate and either the underthrusting Pacific plate or the colliding Yakutat block. Well-located events from the St. Elias area indicate that the crust above the inferred thrust interface is also seismically active, but the rate of activity is low compared to that along the interface. In the Waxell Ridge and Copper River Delta areas, about 75 and 200 km west of the St. Elias aftershock zone, respectively, the nature of the activity is less certain because of uncertain focal depths. Nonetheless, the broad areal distribution of activity in these areas is similar to that observed within the St. Elias region and suggests that the Waxell Ridge and Copper River Delta activity may also reflect low-angle faulting. The Waxell Ridge and Copper

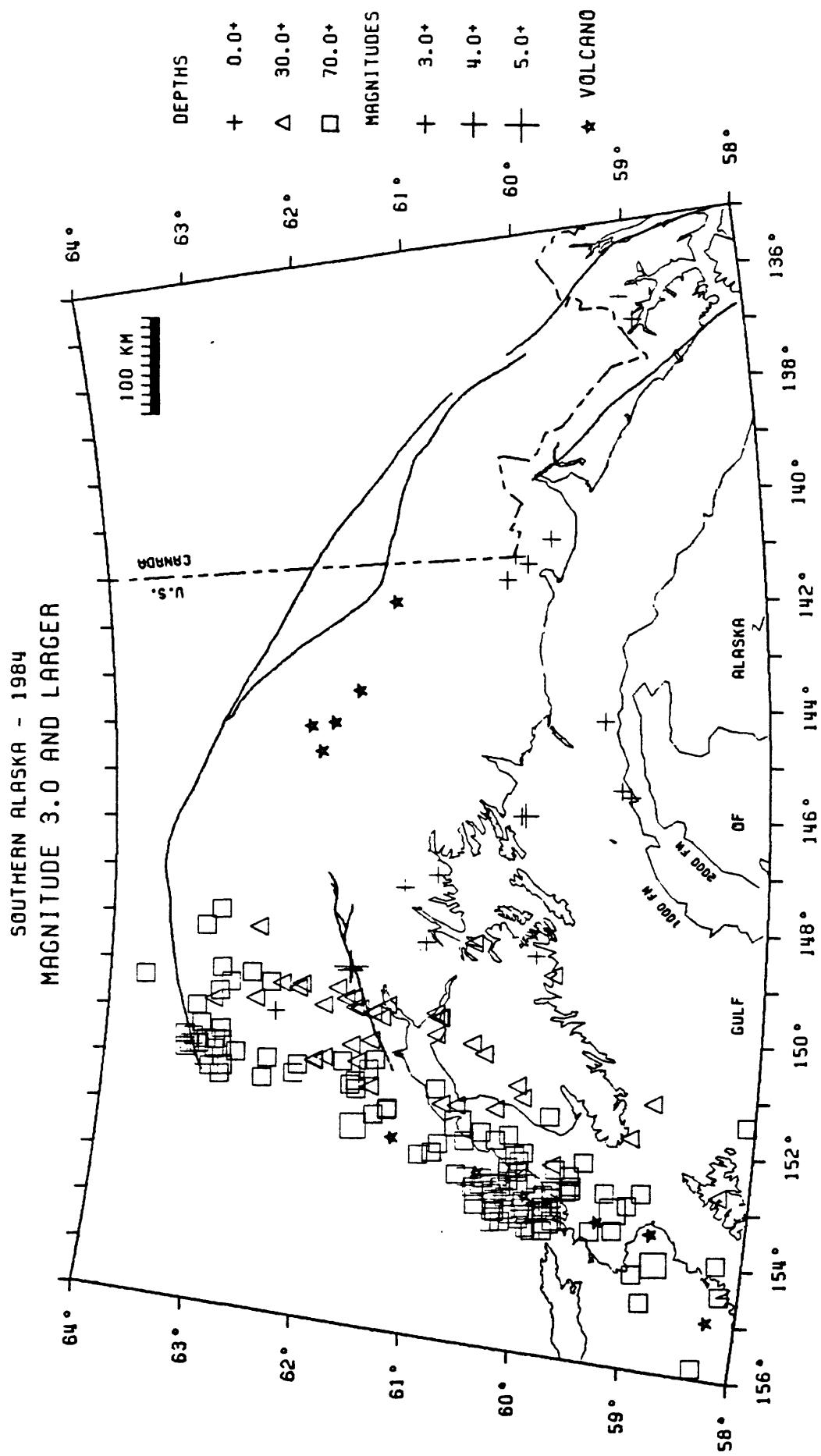


Figure 4. Map showing the epicenters of earthquakes of magnitude 3.0 or larger in 1984. Quaternary volcanoes are indicated by stars.

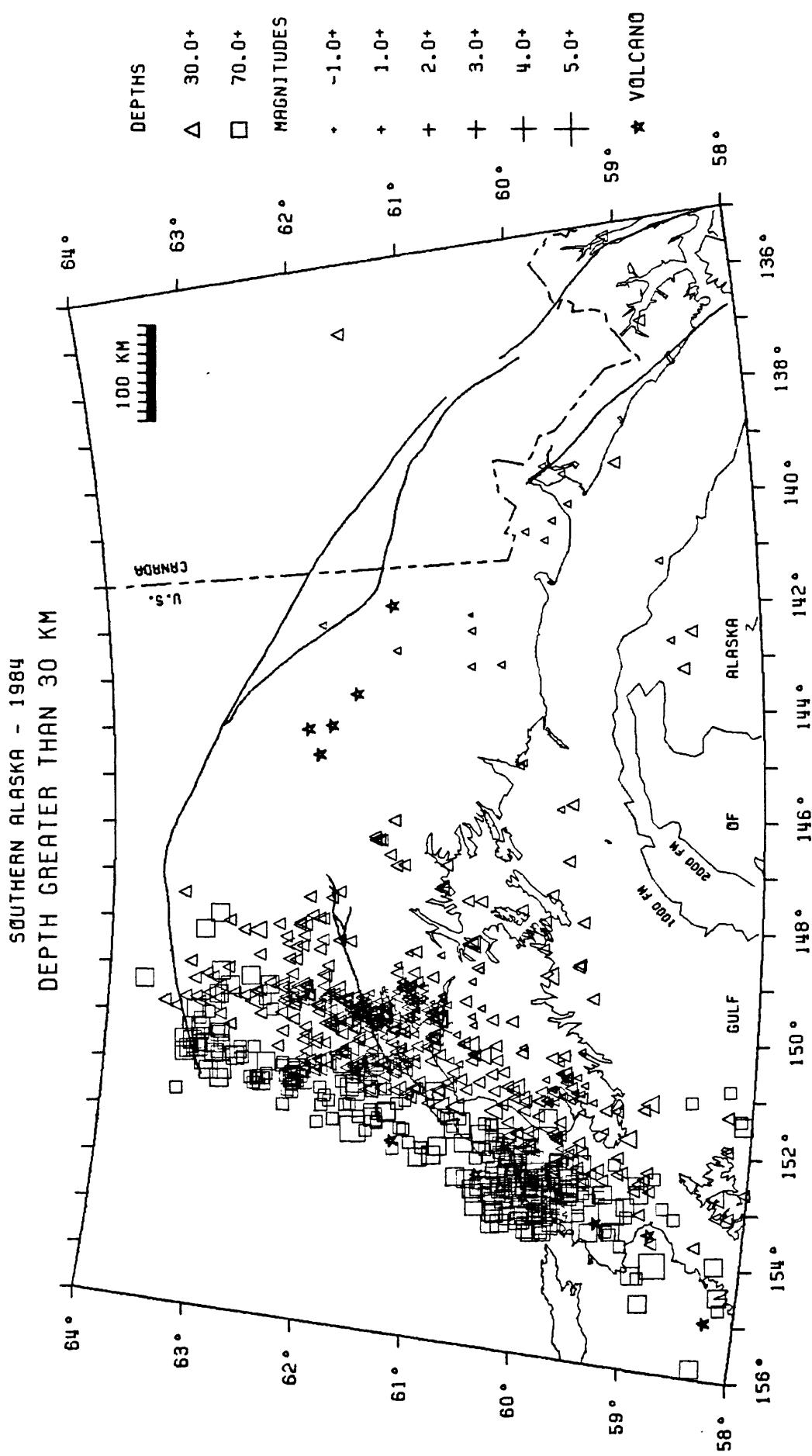


Figure 5. Map showing epicenters of earthquakes with depths deeper than 30 km during 1984. Volcanoes are indicated by stars.

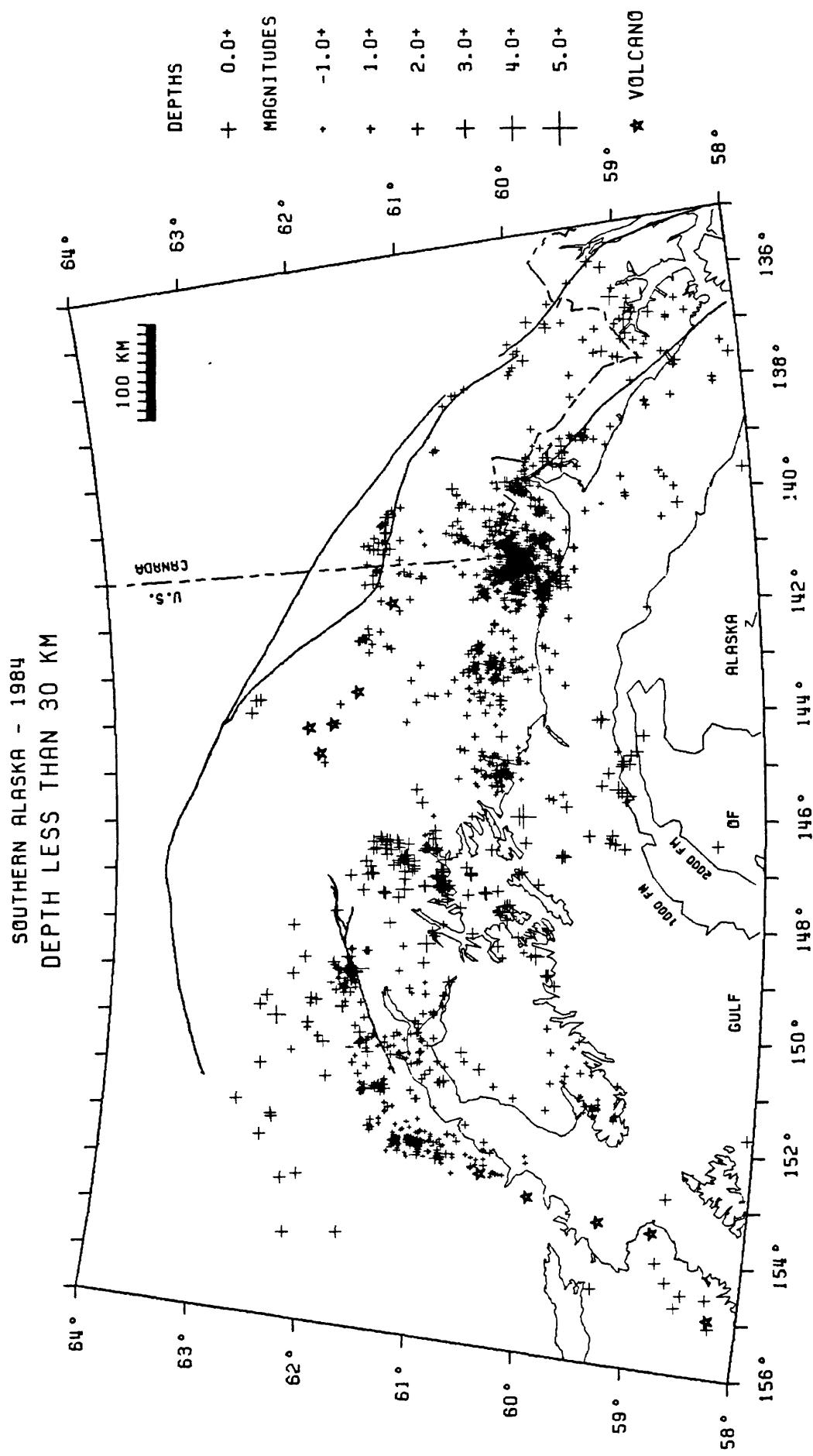


Figure 6. Map showing epicenters of earthquake epicenters with depths shallower than 30 km during 1984. Quaternary volcanoes are indicated by stars.

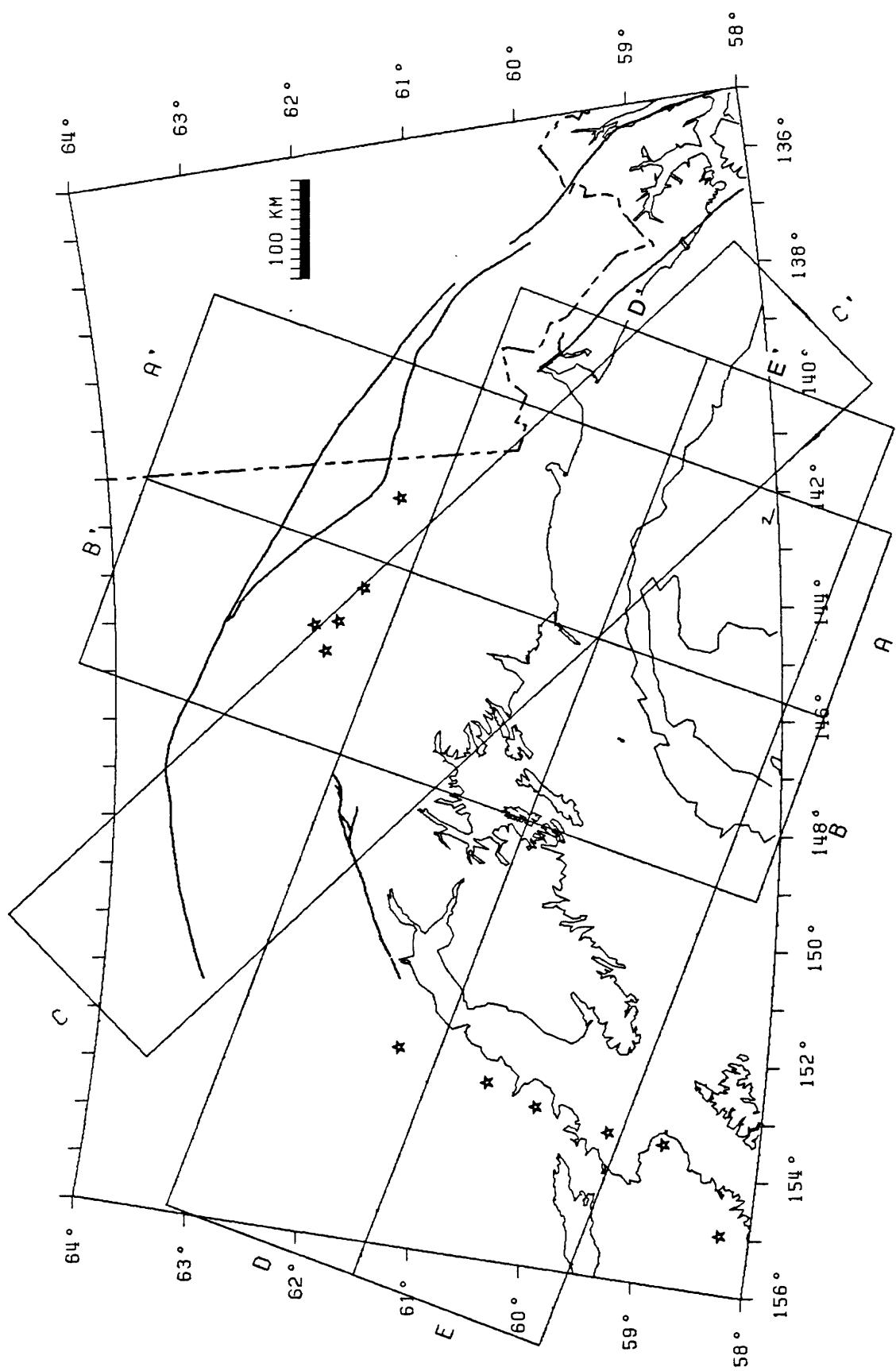


Figure 7. Reference map showing the areas represented in the cross sections in Figure 8.

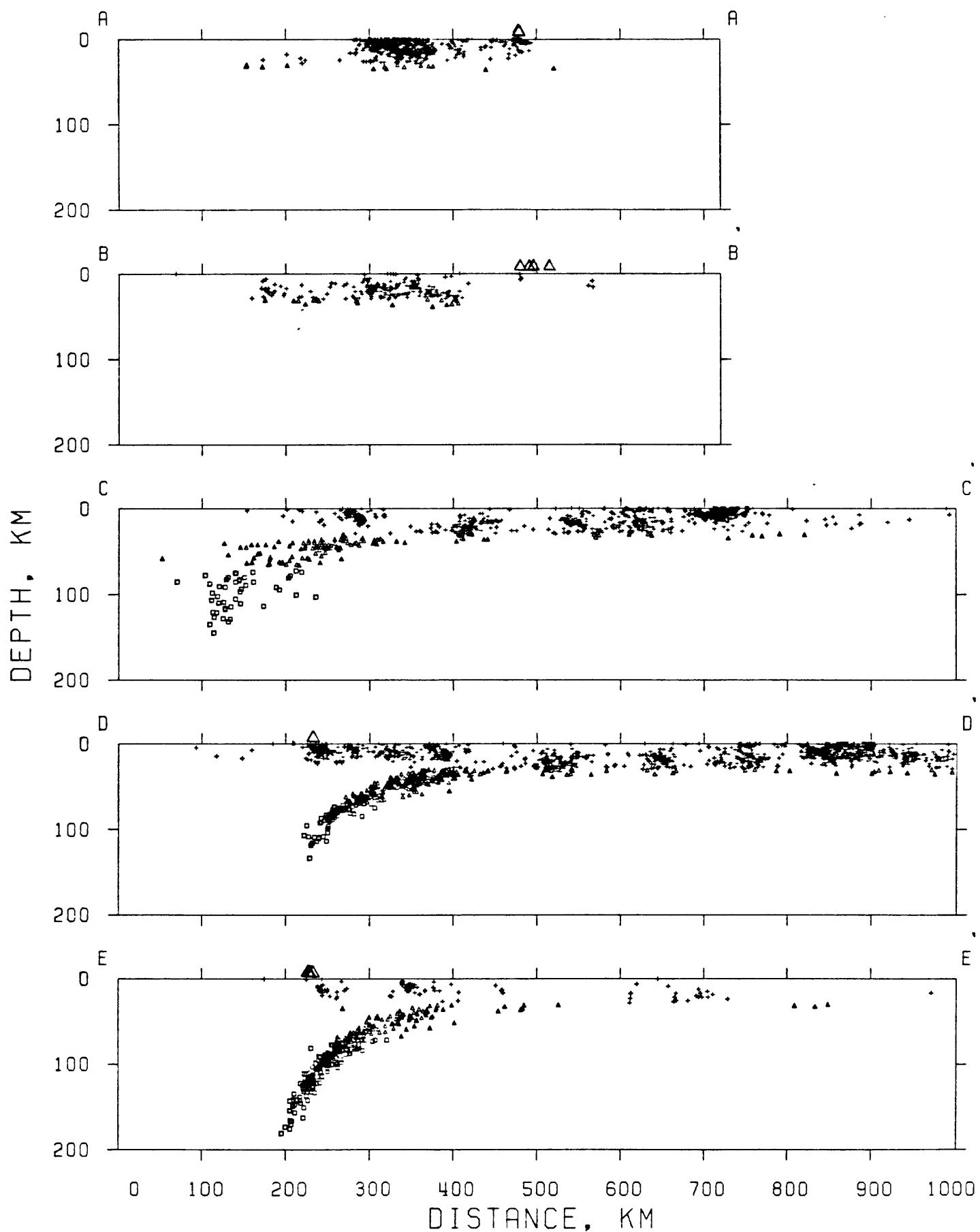


Figure 8. Vertical sections of hypocenters for the areas indicated in Figure 7. Quaternary volcanoes are plotted as triangles above zero depth. No vertical exaggeration. Symbol types are same as Figures 4-6.

River Delta concentrations of seismicity occur near the center and western edge, respectively, of the Yakataga seismic gap, which extends westward from the western limit of the St. Elias aftershock zone to the eastern extent of the 1964 rupture near the longitude of Kayak Island. The Yakataga gap is a likely site for a great ($M_s > 7.8$) thrust earthquake within the next one or two decades (McCann and others, 1980). Over the past ten years, the spatial distribution of microearthquake activity in and around the gap has been remarkably stable, and, except for the continuing but slowly decaying aftershock activity from the 1979 St. Elias earthquake, the rate of activity during 1984 does not differ markedly from that observed over the past decade (see Appendix B, References of Previously Published Catalogs). Concentrations of earthquakes are observed along the Fairweather fault north and east of Yakutat Bay and along the western section of the Duke River fault, but the earthquake hypocenters are not sufficiently well constrained to associate confidently the seismicity with particular mapped fault traces. The diffuse character of the seismicity east of longitude 138° W. and south of latitude 59.5° N. is at least partially attributed to this area being outside the seismograph network.

AVAILABILITY OF DATA

The contents of the Appendix may be obtained on magnetic tape by contacting the authors. Appendix B lists previously published catalogs available from the USGS Open-File Services section, Western Distribution Branch, Box 25425, Federal Center, Denver, CO 80225. Information about the availability of this data and other preliminary data on magnetic tape can be obtained by contacting the principal investigators.

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REFERENCES

- Astrue, M. C., Pelton, J. R., Lee, W. H. K., and Page, R. A., 1983, Operator's manual for a four-film computer-based, sonic digitizing table to locate earthquakes, U.S. Geological Survey Open-File Report 83-319, 40 p.
- Eaton, J. P., O'Neill, M. E., and Murdock, J. N., 1970, Aftershocks of the 1966 Parkfield-Cholame, California, earthquake: a detailed study, Bulletin of the Seismological Society of America 60, p. 1151-1197.
- Espinosa, A. F., 1984, Seismicity of Alaska and the Aleutian Islands, 1960-1983, U.S. Geological Survey Open-File Report 84-855, 1 over-size sheet, scale 1:12,500,000.
- Fogleman, K., Stephens, C., Lahr, J. C., Helton, S., and Allan, M., 1978, Catalog of earthquakes in southern Alaska, October-December 1977, U.S. Geological Survey Open-File Report 78-1097, 28 p.
- Francis, T. J. G., Porter, I. T., and Lilwall, R. C., 1978, Microearthquakes near the eastern end of St. Paul's Fracture Zone, Geophysical Journal Royal Astronomical Society, v. 53, p. 201-217.
- Fuis, G. S., Ambos, E. L., Mooney, W. D., Page, R. A., and Campbell, D. L., 1985, Preliminary results of TACT 1984 seismic-refraction survey of southern Alaska, in, Bartsch-Winkler, Susan, ed., The United States Geological Survey in Alaska, Accomplishments during 1984, U.S. Geological Survey Circular 967, p. 56-60.
- Jacob, K. H., 1972, Global tectonic implications of anomalous seismic P traveltimes from the nuclear explosion Longshot, Journal of Geophysical Research 77, p. 2556-2573.
- King, P. B., compiler, 1969, Tectonic Map of North America, U.S. Geological Survey, scale 1:5,000,000.
- Lahr, J. C., 1975, Detailed seismic investigation of Pacific-North American plate interaction in southern Alaska, Ph.D. dissertation, Columbia University, 141 p.
- Lahr, J. C., 1984, HYPOELLIPSE/VAX: A computer program for determining local earthquake hypocentral parameters, magnitude, and first motion pattern, U.S. Geological Survey Open-File Report 84-519, 60 p.
- Lahr, J. C., Engdahl, E. R., and Page, R. A., 1974, Locations and focal mechanisms of intermediate depth earthquakes below Cook Inlet, Alaska, EOS 55, 349 p.
- Lahr, J. C., Page, R. A., Stephens, C. D., and Fogleman, K. A., 1985, The 1984 Sutton, Alaska earthquake: Evidence for activity on the Talkeetna segment of the Castle Mountain fault system, (in prep).
- Lahr, J. C., and Stephens, C. D., 1983, Eastern Gulf of Alaska seismicity: final report to the National Oceanic and Atmospheric Administration for July 1, 1975 through September 30, 1981: U.S. Geological Survey Open-File Report 83-592, 48 p.
- Lee, W. H. K., Bennett, R. E., and Meagher, K. L., 1972, A method of estimating magnitude of local earthquakes from signal duration, U.S. Geological Survey Open-File Report, 28 p.
- Lee, W. H. K., and Lahr, J. C., 1972, HYPO71: a computer program for determining hypocenter, magnitude, and first motion pattern of local earthquakes, U.S. Geological Survey Open-File Report, 100 p.
- Lilwall, R. C., and Francis, T. J. G., 1978, Hypocentral resolution of small ocean bottom seismic networks, Geophysical Journal Royal Astronomical Society, v. 54, p. 721-728.

- Matumoto, T., and Page, R. A., 1969, Microaftershocks following the Alaska earthquake of 28 March 1964: "Determination of hypocenters and crustal velocities in the Kenai Peninsula-Prince William Sound area," The Prince William Sound, Alaska, Earthquake of 1964 and Aftershocks, vols. 2B & C, U. S. Coast and Geodetic Survey Publication 10-3, U.S. Government Printing Office, Washington, D.C., p. 157-173.
- McCann, W. R., Perez, O. J., and Sykes, L. R., 1980, Yakataga seismic gap, southern Alaska: Seismic history and earthquake potential: *Science*, v. 207, p. 1309-1314.
- McLaren, J. P., and Frohlich, C., 1985, Model calculations of regional network locations for earthquakes in subduction zones, *Bulletin of the Seismological Society of America*, v. 75, no. 2, p. 397-413.
- Meyers, H., 1976, A historical summary of earthquake epicenters in and near Alaska, NOAA Technical Memorandum EDS NGSDC-1, 57 p.
- Mitronovas, W., and Isacks, B. L., 1971, Seismic velocity anomalies in the upper mantle beneath the Tonga-Kermadec island arc, *Journal of Geophysical Research* 76, p. 7154-7180.
- Page, R. A., Stephens, C. D., Fogelman, K. A., and Maley, R. P., 1985, The Columbia Bay, Alaska, earthquakes of 1983, in Bartsch-Winkler, Susan, and Reed, K. M., eds., *The United States Geological Survey in Alaska, Accomplishments during 1983*, U.S. Geological Survey Circular 945, p. 80-83.
- Plafker, G., 1967, Geologic map of the Gulf of Alaska Tertiary Province, Alaska, U.S. Geological Survey Miscellaneous Investigations Map I-84, scale 1:500,000.
- Richter, C. F., 1958, *Elementary Seismology*, W. H. Freeman and Co., San Francisco, CA, 768 p.
- Rogers, J. A., 1986, Increasing dynamic range in analog seismic data systems used in Alaska, U.S. Geological Survey Open-File Report, 86-78, 16 p.
- Rogers, J. A., Maslak, S., and Lahr, J. C., 1980, A seismic electronic system with automatic calibration and crystal reference, U.S. Geological Survey Open-File Report 80-324, 130 p.
- Stephens, C. D., Fogelman, K. A., Lahr, J. C., and Page, R. A., 1984, Wrangell Benioff zone, southern Alaska, *Geology*, v. 12, p. 373-376.
- Stephens, C. D., Lahr, J. C., Fogelman, K. A., Allan, M. A., and Helton, S. M., 1979, Catalog of earthquakes in southern Alaska, January-March 1978, U.S. Geological Survey Open-File Report 79-718, 31 p.
- Stephens, C. D., Lahr, J. C., Fogelman, K. A., and Horner, R. B., 1980, The St. Elias, Alaska, earthquake of 28 February 1979: regional recording of aftershocks and short-term pre-earthquake seismicity, *Bulletin of the Seismological Society of America* 70, p. 1607-1633.
- Stevenson, P. R., 1978, Program ISDS an interactive display for displaying and measuring seismic waves forms, U.S. Geological Survey-Open File Report 79-205, 175 p.
- Uhrhammer, R. A., 1980, Analysis of small seismographic station networks, *Bulletin of the Seismological Society of America*, v. 70, no. 4, p. 1369-1379.

APPENDIX A

Southern Alaska Earthquakes for 1984

Earthquakes from southern Alaska are listed in chronological order. The following data are given for each event:

1. Origin time in Universal Time (UT): date, hour (HR), minute (MN), and second (SEC). To convert to Alaska Standard Time (AST) subtract 9 hours.
2. Epicenter in degrees and minutes of north latitude (LAT N) and west longitude (LONG W).
3. DEPTH, depth of focus in kilometers.
4. MAG, magnitude of the earthquake, coda duration magnitude (FMAG) unless noted otherwise. A letter following the magnitude indicates a magnitude other than FMAG as follows:
 - A - Amplitude magnitude (XMAG), USGS.
 - B - Body-wave magnitude (m_b), USGS National Earthquake Information Service (NEIS).
 - C - Local magnitude (ML), EMRC.
 - G - Local magnitude (ML), UOFA.
 - H - Approximate coda duration magnitude obtained from Helicorder records based on an empirical relation between coda durations measured on Developorder records and coda durations measured on Helicorder records.
 - P - Local magnitude (ML), Alaska Tsunami Warning Center.
 - S - Surface-wave magnitude (M_s), NEIS.
5. NP, number of P arrivals used in locating earthquake.
6. NS, number of S arrivals used in locating earthquake.
7. GAP, largest azimuthal separation in degrees between stations.
8. D1, epicentral distance in kilometers to the station closest to the epicenter.
9. RMS, root-mean-square traveltime residual in seconds:

$$RMS = \left[\frac{\sum_{i=1}^N w_i [R_i]^2}{N} \right]^{\frac{1}{2}}$$

where R_i is the observed minus computed arrival time of the i^{th} arrival, w_i is the corresponding weight of the arrival, and the weights are normalized so that their sum equals N , the total number of P, S, and S-P readings used in the solution.

10. SEH, standard error in kilometers in the horizontal direction with least control. $SEH = MAXH/1.87$, where MAXH is the largest horizontal deviation in kilometers of the one-standard-deviation confidence ellipsoid (see Figure 9 below). In previous catalogs MAXH was referred to as ERH. Values of SEH that exceed 25 km are tabulated as 25 km.

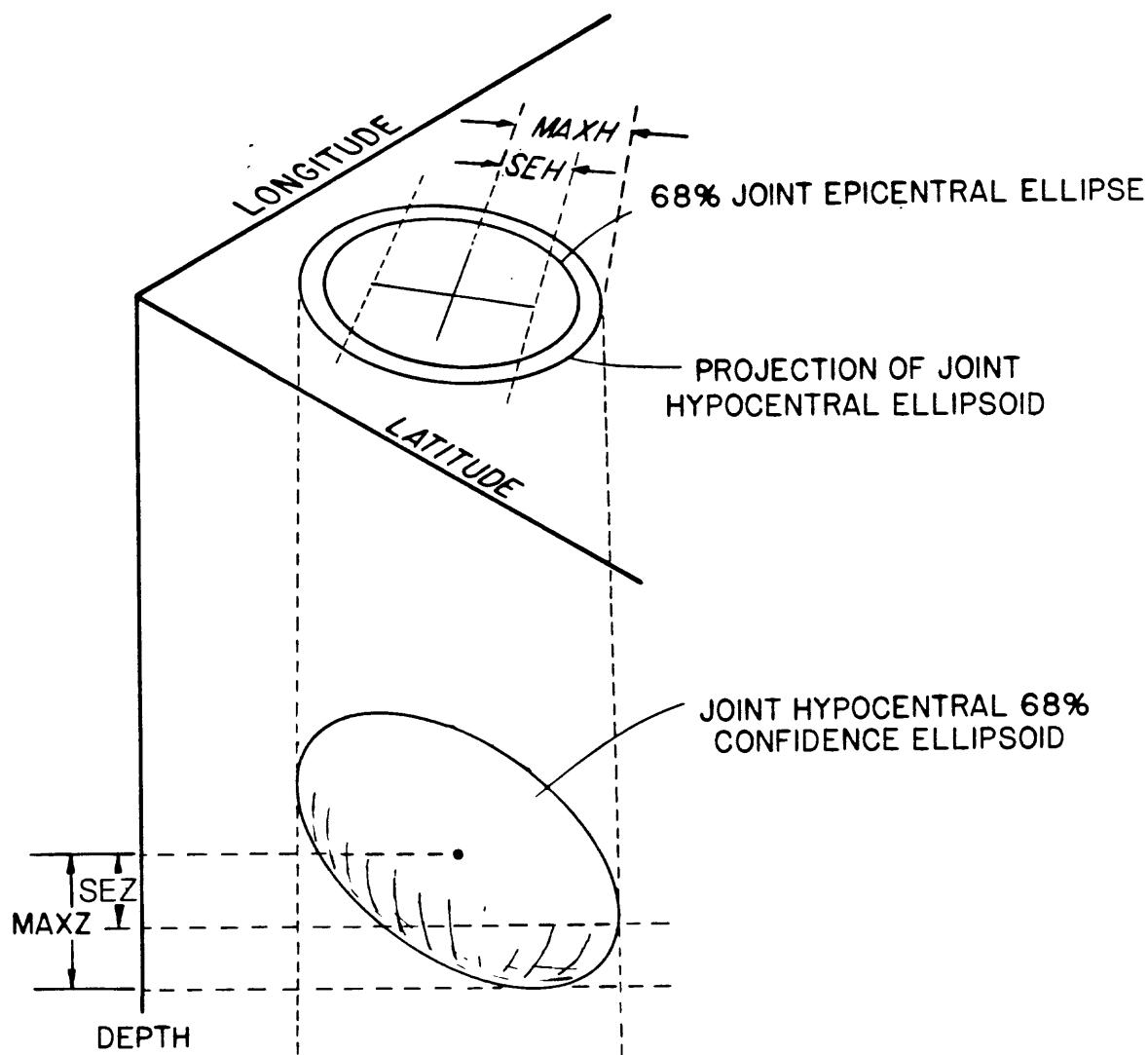


Figure 9. Relationship between the confidence ellipsoid and SEH, MAXH, SEZ, and MAXZ. The projected ellipse has the same orientation and eccentricity as the joint epicentral 68-percent confidence region, but is 1.23 times larger. The error ellipsoid is calculated assuming a constant standard deviation of 0.16 sec for the arrival time readings.

11. SEZ, standard error in kilometers of depth. $SEZ = MAXZ/1.87$ where MAXZ is the largest vertical deviation in kilometers of the one-standard-deviation confidence ellipsoid (see Figure 9). In previous catalogs MAXZ was referred to as ERZ. Values of SEZ that exceed 25 km are tabulated as 25 km.
12. Q, quality of the hypocenter. This index is a measure of the precision of the hypocenter (see section Analysis of hypocentral Quality) and is calculated from SEH and SEZ as follows:

| <u>Q</u> | <u>Larger of SEH and SEZ (km)</u> |
|----------|-----------------------------------|
| A | ≤ 1.34 |
| B | ≤ 2.67 |
| C | ≤ 5.35 |
| D | > 5.35 |

13. AZ1, DIP1, and SE1 are the azimuth in degrees (clockwise from north), dip in degrees, and length in kilometers of the most nearly horizontal of the three principal semi-axes of the one-standard-deviation error ellipsoid. Values of SE1 that exceed 25 km are tabulated as 25 km.
14. AZ2, DIP2, and SE2 are defined as above, but correspond to the principal semi-axis of intermediate dip.
15. AZ3, DIP3, and SE3 are defined as above, but correspond to the most nearly vertical principal semi-axis.

Magnitudes and felt reports listed below an event were obtained from the Preliminary Determination of Epicenters of the USGS National Earthquake Information Service (NEIS), from the Department of Energy, Mines and Resources, Canada (EMRC), or from the NOAA Alaska Tsunami Warning Center (ATWC). The body-wave (m_b) and surface-wave (M_s) magnitudes are those determined by the NEIS.

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JANUARY 1984 | | | | | | | | | | | |
|--|---|----------|---------|---------|------|-----|-----|-----|------|-----------|--------------|
| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ Q |
| 1984 | HR MN | SEC | DEG MIN | DEG MIN | DEG | MIN | KM | DEG | DEG | DEG | AZ1 DIP1 SE1 |
| JAN 1 40 33.0 | 60 19.7 | 141 22.2 | 17.9 | 1.4 | 1.2 | 8 | 111 | 21 | 0.28 | 0.7 | 0.9 A |
| 1 5 1 28.8 | 60 6.6 | 141 19.5 | 7.7 | 1.2 | 1.3 | 8 | 163 | 9 | 0.59 | 0.7 | 0.4 A 108 |
| 1 7 32 20.3 | 60 12.6 | 141 8.3 | 13.1 | 1.1 | 1.0 | 9 | 111 | 9 | 0.33 | 0.7 | 0.7 A 299 |
| 1 9 57 58.8 | 60 10.4 | 141 10.7 | 16.1 | 0.3A | 7 | 5 | 104 | 8 | 0.20 | 1.0 | 0.8 A 303 |
| 1 10 20 27.5 | 60 22.6 | 141 21.6 | 14.3 | 0.9 | 1.0 | 9 | 114 | 21 | 0.43 | 0.6 | 0.9 A 308 |
| 1 11 26 31.9 | 60 1.9 | 140 42.6 | 8.7 | 1.1 | 9 | 6 | 157 | 23 | 0.49 | 1.0 | 0.9 A 104 |
| 1 11 27 33.4 | 63 9.5 | 149 46.1 | 45.3 | 2.6 | 1.2 | 8 | 117 | 160 | 0.70 | 3.1 | 7.6 D 330 |
| 1 14 18 44.0 | 59 40.0 | 150 6.9 | 25.2 | 1.2 | 1.0A | 11 | 4 | 253 | 32 | 0.14 | 1.4 |
| 2 2 44 49.6 | 60 8.7 | 141 4.0 | 8.8 | 1.0 | 1.0 | 8 | 137 | 2 | 0.52 | 0.9 | 0.4 A 26 |
| 2 15 55 22.8 | 61 40.7 | 150 20.8 | 50.0 | 2.0 | 2.0 | 11 | 137 | 25 | 0.40 | 0.7 | 0.9 A 273 |
| 2 18 46 54.5 | 59 58.3 | 139 58.2 | 22.8 | 0.8 | 4 | 4 | 175 | 19 | 0.17 | 3.8 | 3.1 C 125 |
| 2 19 11 55.8 | 61 32.3 | 150 57.0 | 61.9 | 2.1 | 2.7 | 12 | 108 | 14 | 0.53 | 0.6 | 1.0 A 82 |
| 2 1 48 31.2 | 59 18.7 | 151 29.6 | 13.6 | 0.6A | 8 | 5 | 298 | 18 | 0.24 | 1.3 | 0.8 A 345 |
| 2 2 44 49.6 | 60 8.7 | 141 4.0 | 8.8 | 1.0 | 1.0 | 8 | 137 | 2 | 0.52 | 0.9 | 0.4 A 26 |
| 2 4 32 10.9 | 61 18.4 | 150 7.7 | 43.0 | 1.9 | 22 | 12 | 63 | 31 | 0.73 | 0.4 | 0.8 A 271 |
| 2 5 31 53.8 | 60 16.3 | 141 21.0 | 8.6 | 0.8 | 8 | 7 | 109 | 22 | 0.35 | 0.5 | 1.0 A 310 |
| 2 8 59 14.6 | 60 16.7 | 141 16.5 | 11.8 | 0.5A | 6 | 5 | 154 | 19 | 0.34 | 1.7 | 2.0 B 306 |
| 2 12 6 50.9 | 60 15.0 | 141 12.3 | 5.0 | 0.6A | 8 | 5 | 113 | 14 | 0.47 | 1.0 | 1.2 A 296 |
| 2 12 33 16.5 | 60 13.8 | 141 16.1 | 10.7 | 0.9 | 11 | 8 | 121 | 16 | 0.69 | 0.6 | 0.7 A 112 |
| 2 14 22 42.0 | 60 40.1 | 149 5.0 | 31.3 | 1.6 | 23 | 10 | 125 | 22 | 0.47 | 0.7 | 0.6 A 81 |
| 2 16 57 53.9 | 58 57.9 | 136 25.9 | 2.5 | 1.7 | 5 | 4 | 221 | 150 | 0.17 | 15.3 | 5.3 D 205 |
| 2 17 2 23.9 | 60 11.1 | 141 0.7 | 10.3 | 0.8A | 8 | 7 | 114 | 4 | 0.37 | 1.2 | 0.7 A 308 |
| 2 17 26 47.0 | 59 41.5 | 141 18.3 | 17.1 | 1.3A | 10 | 8 | 195 | 54 | 0.58 | 0.9 | 1.4 B 125 |
| 2 17 46 27.7 | 60 44.3 | 140 37.1 | 12.2 | 0.9A | 6 | 5 | 221 | 46 | 0.89 | 1.1 | 1.5 B 145 |
| 2 22 9 15.0 | 60 8.3 | 141 9.2 | 4.6 | 1.2 | 12 | 3 | 138 | 7 | 0.47 | 0.7 | 0.6 A 279 |
| 2 23 18 44.5 | 61 10.0 | 152 7.8 | 3.0 | -0.8A | 3 | 285 | 4 | 67 | 1.1 | 2.0 B 218 | 11 |
| 3 2 17 30.3 | 60 19.7 | 141 21.4 | 17.5 | -1.7 | 1.5 | 9 | 111 | 22 | 0.26 | 0.5 | 0.6 A 121 |
| 3 3 14 1.5 | 61 45.8 | 149 46.0 | 43.3 | 2.3 | 22 | 13 | 152 | 14 | 0.46 | 0.5 | 0.9 A 91 |
| 3 3 40 9.2 | 62 19.1 | 151 9.6 | 83.4 | 2.8 | 17 | 6 | 256 | 42 | 0.28 | 1.6 | 1.4 B 183 |
| 3 3 57 6.9 | 61 9.3 | 152 11.2 | 9.5 | 1.2 | 8 | 5 | 170 | 8 | 0.46 | 1.2 | 0.6 A 101 |
| 3 4 44 17.2 | 60 22.2 | 141 19.0 | 18.1 | 1.6 | 15 | 10 | 116 | 24 | 0.56 | 0.4 | 0.7 A 311 |
| 3 5 37 1.9 | 60 5.6 | 141 10.9 | 0.4 | 0.6A | 6 | 3 | 205 | 11 | 0.28 | 1.3 | 3.0 C 178 |
| 3 7 6 46.2 | 61 2.3 | 148 13.3 | 23.1 | 1.7 | 22 | 6 | 86 | 21 | 0.52 | 0.4 | 0.7 A 24 |
| 3 11 40 10.7 | 61 44.6 | 149 44.4 | 39.1 | 3.5 | 33 | 9 | 88 | 13 | 0.39 | 0.6 | 1.1 A 95 |
| 3.8 MB | 3.6 ML ATWC FELT (III) AT PALMER AND (II) AT ANCHORAGE. | | | | | | | | | | |
| 3 13 41 56.0 | 60 7.4 | 141 9.1 | 12.1 | 1.0A | 8 | 6 | 172 | 42 | 0.48 | 1.3 | 1.4 B 298 |
| 3 14 41 55.2 | 60 10.5 | 141 6.4 | 4.3 | 1.6 | 13 | 6 | 132 | 41 | 0.50 | 0.7 | 1.0 A 116 |
| 3 16 17 54.0 | 60 53.3 | 152 24.6 | 2.3 | 1.1 | 9 | 6 | 182 | 35 | 0.55 | 2.1 | 2.3 B 12 |
| 3 16 21 11.0 | 61 20.2 | 150 22.8 | 46.2 | 1.9 | 22 | 10 | 77 | 24 | 0.55 | 0.5 | 0.8 A 107 |
| 3 18 52 49.4 | 63 2.7 | 149 45.6 | 57.5 | 3.2 | 17 | 5 | 114 | 150 | 0.31 | 3.4 | 14.1 D 81 |
| 3 23 32 15.6 | 60 23.1 | 141 21.6 | 16.0 | 0.7A | 7 | 5 | 116 | 21 | 0.29 | 2.0 | 2.4 B 322 |
| 4 0 37 48.5 | 60 54.0 | 151 13.1 | 63.7 | 2.3 | 29 | 14 | 41 | 18 | 0.66 | 0.4 | 1.1 A 81 |
| 4 4 53 13.3 | 59 55.9 | 152 55.6 | 91.7 | 2.7 | 21 | 7 | 189 | 29 | 0.25 | 1.6 | 1.2 B 332 |
| 4 7 28 31.0 | 60 1.3 | 140 39.7 | 4.6 | 1.2 | 11 | 6 | 159 | 24 | 0.57 | 1.1 | 1.0 A 95 |
| 4 7 42 55.9 | 62 54.5 | 151 8.4 | 110.1 | 3.0 | 12 | 5 | 198 | 105 | 0.26 | 2.9 | 4.1 C 301 |
| 4 19 53 16.1 | 61 36.6 | 140 34.6 | 0.4 | 1.2A | 5 | 4 | 269 | 83 | 0.16 | 3.4 | 25.0 D 275 |
| 4 20 14 8.6 | 60 50.8 | 145 10.2 | 25.0 | 1.6 | 19 | 8 | 45 | 34 | 0.51 | 0.3 | 0.5 A 33 |
| 4 21 17 23.7 | 60 15.2 | 151 41.8 | 53.6 | 2.3 | 26 | 13 | 87 | 32 | 0.51 | 0.6 | 1.4 B 333 |
| 4 21 50 38.9 | 60 11.4 | 141 10.7 | 8.9 | 0.8A | 7 | 4 | 155 | 52 | 0.34 | 2.6 | 3.3 C 303 |
| 4 22 36 0.1 | 60 11.6 | 141 11.8 | 0.7 | 1.0A | 8 | 3 | 150 | 53 | 0.38 | 2.0 | 3.5 C 296 |
| 4 22 43 9.2 | 61 23.9 | 151 15.8 | 72.0 | 2.2 | 19 | 13 | 84 | 29 | 0.47 | 0.6 | 0.9 A 81 |
| 5 2 4 15.1 | 61 17.0 | 140 50.0 | 11.7 | 1.2 | 8 | 3 | 144 | 38 | 0.35 | 0.9 | 1.8 B 304 |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JANUARY 1984 | | | | | | | | | | | | |
|--|---------|----------|-----------------|-------|-----|-----|-------|------|------|-------|-------|-----|
| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | | | NP NS | | GAP | | DI | RMS |
| | | | | DEG | MIN | SEC | KM | DEG | SEC | KM | | |
| 1984 JAN 5 4 17 44.1 | 61 48.3 | 149 40.1 | 41.5 | 1.9 | 17 | 8 | 165 | 20 | 0.47 | 0.9 | 0.8 A | 282 |
| 5 4 21 11.9 | 61 48.0 | 149 23.5 | 4.4 | 1.4 | 16 | 9 | 167 | 27 | 0.84 | 0.5 | 0.6 A | 185 |
| 5 13 33 56.8 | 61 15.6 | 149 15.7 | 28.5 | 1.6 | 24 | 5 | 53 | 16 | 0.53 | 0.5 | 1.0 A | 314 |
| 5 15 47 40.9 | 60 10.9 | 141 0.1 | 11.8 | 0.9A | 6 | 3 | 164 | 43 | 0.18 | 2.7 | 1.7 C | 289 |
| 5 21 54 28.6 | 59 51.3 | 139 11.1 | 20.0 | 1.3 | 7 | 4 | 202 | 24 | 0.53 | 1.7 | 1.7 B | 328 |
| 5 23 42 48.2 | 61 50.9 | 149 18.0 | 3.1 | 1.5 | 18 | 8 | 161 | 28 | 0.89 | 0.5 | 0.7 A | 167 |
| 6 7 33 57.3 | 60 35.3 | 145 7.4 | 17.2 | 1.0 | 8 | 4 | 97 | 8 | 0.40 | 0.9 | 0.9 A | 5 |
| 6 8 46 34.7 | 60 12.1 | 141 2.5 | 10.1 | 1.1 | 9 | 4 | 162 | 43 | 0.13 | 1.6 | 2.2 B | 299 |
| 6 16 57 36.6 | 60 7.0 | 141 25.1 | 11.9 | 1.2A | 6 | 2 | 164 | 33 | 0.16 | 1.0 | 1.3 A | 283 |
| 6 17 13 23.0 | 60 2.0 | 141 14.9 | 7.8 | 1.5A | 8 | 3 | 183 | 46 | 0.40 | 2.0 | 2.7 C | 342 |
| 6 10 22 52.9 | 60 13.0 | 141 1.2 | 12.9 | 1.4 | 12 | 4 | 127 | 43 | 0.48 | 0.8 | 1.1 A | 295 |
| 6 11 2 21.9 | 60 26.7 | 145 2.8 | 17.9 | 1.7 | 17 | 6 | 162 | 13 | 0.53 | 0.6 | 0.8 A | 101 |
| 6 13 41 15.9 | 60 14.5 | 140 59.7 | 5.7 | 1.1A | 8 | 1 | 158 | 44 | 0.21 | 1.6 | 3.0 C | 302 |
| 6 16 17 12.1 | 60 7.0 | 141 25.1 | 11.9 | 1.2A | 6 | 2 | 162 | 43 | 0.13 | 1.6 | 2.2 B | 299 |
| 6 17 13 23.0 | 60 2.0 | 141 14.9 | 7.8 | 1.5A | 8 | 3 | 183 | 46 | 0.40 | 2.0 | 1.1 A | 261 |
| 7 7 5 48.6 | 60 7.9 | 143 4.6 | 24.6 | 1.1A | 8 | 6 | 200 | 16 | 0.18 | 1.4 | 0.5 B | 186 |
| 7 9 22 49.1 | 60 1.5 | 140 59.2 | 7.9 | 1.0A | 8 | 6 | 165 | 41 | 0.52 | 1.2 | 1.3 A | 291 |
| 7 9 35 29.9 | 60 13.1 | 141 2.3 | 10.5 | 1.2 | 12 | 9 | 126 | 42 | 0.51 | 0.8 | 1.1 A | 295 |
| 7 12 11 35.1 | 60 15.3 | 140 56.7 | 11.2 | 1.7 | 15 | 13 | 129 | 42 | 0.47 | 0.4 | 0.8 A | 289 |
| 7 13 32 58.9 | 60 21.6 | 140 30.7 | 14.8 | 1.1A | 7 | 3 | 170 | 33 | 0.34 | 3.2 | 2.0 B | 324 |
| 7 19 22 21.9 | 60 38.0 | 150 27.1 | 37.9 | 1.8 | 26 | 11 | 51 | 19 | 0.55 | 0.5 | 0.7 A | 81 |
| 7 20 11 59.2 | 60 19.1 | 140 46.5 | 4.0 | 1.0A | 8 | 6 | 145 | 38 | 0.60 | 0.8 | 0.9 A | 300 |
| 7 22 11 0.6 | 59 58.4 | 140 15.2 | 4.3 | 0.9A | 6 | 4 | 166 | 14 | 0.31 | 1.2 | 1.5 B | 302 |
| 7 23 10 49.2 | 59 58.0 | 151 32.4 | 62.0 | 2.4 | 24 | 11 | 107 | 16 | 0.48 | 0.5 | 1.2 A | 81 |
| 8 3 36 44.1 | 59 7.1 | 136 21.8 | 0.0 | 3.0 | 10 | 2 | 216 | 183 | 0.51 | 12.7 | 3.4 D | 81 |
| 3.8 MB | 4.3 ML | ATWCG | FELT AT HAINES. | | | | | | | | | |
| 8 5 22 19.0 | 60 8.6 | 141 6.4 | 7.4 | 0.9 | 8 | 6 | 88 | 4 | 0.59 | 0.5 | 0.5 A | 291 |
| 8 5 27 22.0 | 60 9.9 | 141 12.8 | 0.2 | 1.4 | 15 | 14 | 101 | 10 | 0.70 | 0.4 | 0.6 A | 281 |
| 8 7 36 45.1 | 60 23.3 | 152 46.8 | 8.6 | 0.6A | 4 | 4 | 199 | 23 | 0.69 | 1.0 | 0.5 A | 287 |
| 8 10 40 22.7 | 61 17.1 | 152 12.2 | 5.1 | -0.5A | 3 | 3 | 292 | 3 | 0.02 | 1.1 | 0.9 A | 22 |
| 8 20 16 58.8 | 60 14.0 | 141 2.9 | 10.2 | 0.7 | 8 | 5 | 119 | 9 | 0.23 | 0.6 | 0.9 A | 91 |
| 8 22 46 47.7 | 61 11.2 | 152 9.4 | 6.3 | -0.3A | 3 | 3 | 265 | 6 | 0.10 | 1.2 | 1.3 A | 333 |
| 9 6 18 14.4 | 61 53.0 | 150 39.0 | 63.4 | 2.5 | 20 | 7 | 159 | 47 | 0.34 | 1.0 | 1.5 B | 82 |
| 9 7 59 32.6 | 60 20.8 | 140 41.0 | 15.0 | 1.0 | 7 | 4 | 154 | 29 | 0.51 | 0.8 | 2.4 B | 87 |
| 9 10 24 23.5 | 59 17.3 | 151 26.1 | 10.9 | 1.1 | 10 | 5 | 295 | 19 | 0.34 | 1.1 | 1.1 A | 103 |
| 9 14 30 47.0 | 60 11.5 | 141 2.6 | 13.7 | 0.9A | 3 | 3 | 267 | 4 | 0.04 | 2.3 | 1.0 B | 333 |
| 9 16 22 31.1 | 60 13.3 | 141 0.3 | 13.8 | 0.7A | 3 | 3 | 268 | 8 | 0.07 | 2.2 | 1.2 B | 163 |
| 9 20 43 32.7 | 60 12.7 | 140 57.0 | 8.0 | 0.6 | 6 | 4 | 122 | 8 | 0.45 | 1.3 | 1.2 A | 81 |
| 10 1 38 58.5 | 60 15.1 | 152 17.3 | 79.4 | 2.6 | 23 | 8 | 100 | 30 | 0.29 | 1.2 | 1.4 B | 341 |
| 10 0 8 24 26.5 | 60 18.5 | 141 26.6 | 3.8 | 1.6 | 13 | 4 | 105 | 18 | 0.29 | 0.7 | 1.6 B | 48 |
| 10 15 13 57.5 | 60 17.1 | 141 0.5 | 9.8 | 0.8A | 2 | 3 | 352 | 15 | 0.19 | 2.0 | 2.8 C | 337 |
| 10 15 57 31.8 | 60 32.0 | 141 36.8 | 22.7 | 1.4 | 11 | 6 | 105 | 44 | 0.48 | 0.6 | 1.6 B | 261 |
| 10 22 58 37.2 | 60 25.6 | 141 29.7 | 12.7 | 0.5 | 2 | 131 | 16 | 0.09 | 2.4 | 3.9 C | 126 | |
| 10 23 33 17.3 | 60 26.6 | 141 30.3 | 11.0 | 1.0 | 5 | 4 | 116 | 16 | 0.26 | 1.0 | 1.4 B | 293 |
| 11 1 3 2 30.8 | 62 34.8 | 151 15.3 | 83.1 | 2.7 | 15 | 7 | 194 | 68 | 0.61 | 1.4 | 1.9 B | 117 |
| 11 1 14 29.3 | 60 5.3 | 137 26.9 | 3.3 | 1.7 | 9 | 2 | 293 | 107 | 0.06 | 2.2 | 4.1 C | 96 |
| 11 3 16 2.8 | 60 26.6 | 141 29.5 | 9.9 | 1.0 | 6 | 5 | 111 | 17 | 0.31 | 1.5 | 3.1 C | 351 |
| 11 5 53 36.2 | 59 58.0 | 141 34.7 | 2.4 | 0.9A | 8 | 2 | 229 | 21 | 0.30 | 1.7 | 1.8 B | 283 |
| 11 7 43 27.0 | 60 53.5 | 150 45.5 | 20.8 | 1.5 | 17 | 11 | 50 | 31 | 0.51 | 0.4 | 1.4 B | 273 |
| 11 10 42 50.8 | 60 4.5 | 140 57.3 | 12.8 | 0.7A | 4 | 2 | 220 | 10 | 0.09 | 5.2 | 1.5 C | 14 |
| 11 11 52 52.0 | 59 31.0 | 151 19.2 | 6.7 | 0.7 | 10 | 4 | 110 | 5 | 0.53 | 0.9 | 0.8 A | 81 |
| 11 13 8 11.8 | 59 29.3 | 151 17.8 | 10.9 | 0.4A | 7 | 4 | 134 | 5 | 0.22 | 0.9 | 0.8 A | 81 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JANUARY 1984

| Preliminary Determination of Hiroshima in JOSHIMA, HOKKAIDO - JANUARY 1964 | | | | | | | | | | | | 1964 | | | | | | | | | | |
|---|-------|-----|------|--------|------|----------------------|-------|-------|------|-----|------|------|-----|------|------|------|-----|-----|-----|------|-----|-----|
| ORIGIN TIME | LAT N | | | LONG W | | | DEPTH | | | MAG | | | RMS | DI | SEI | AZI | DIP | SEI | AZ3 | DIP3 | SE3 | |
| | DEG | MIN | SEC | DEG | MIN | SEC | KM | DEG | SEC | KM | DEG | SEC | | | | | | | | | | |
| 1984 | HR | MN | SEC | 141 | 44.9 | 8.1 | 1.2A | 7 | 2 | 221 | 41 | 0.54 | 2.8 | 3.8 | C | 266 | 7 | 1.3 | 172 | 31 | 3.7 | |
| JAN 11 | 15 | 2 | 59.8 | 59 | 59.4 | 60 | 16.1 | 141 | 5.2 | 9.6 | 0.7A | 8 | 2 | 122 | 13 | 0.09 | 1.2 | 1.6 | B | 311 | 16 | 0.9 |
| JAN 11 | 15 | 2 | 59.8 | 59 | 59.4 | 60 | 16.1 | 141 | 5.2 | 9.6 | 0.7A | 8 | 2 | 122 | 13 | 0.09 | 1.2 | 1.6 | B | 311 | 16 | 0.9 |
| JAN 11 | 20 | 17 | 31.0 | 60 | 8.1 | 140 | 54.8 | 8.8 | 1.0A | 8 | 2 | 165 | 7 | 0.24 | 1.8 | 0.8 | B | 195 | 2 | 3.3 | | |
| JAN 11 | 20 | 49 | 31.9 | 61 | 49.7 | 149 | 34.8 | 36.2 | 3.0 | 27 | 8 | 94 | 25 | 0.52 | 0.7 | 0.8 | A | 91 | 1 | 0.6 | | |
| JAN 12 | 1 | 18 | 50.2 | 61 | 44.4 | 154 | 8.7 | 14.7 | 2.7 | 10 | 5 | 113 | 106 | 0.45 | 1.0 | 2.4 | B | 186 | 4 | 1.9 | | |
| JAN 12 | 1 | 18 | 50.2 | 61 | 44.4 | 154 | 8.7 | 14.7 | 2.7 | 10 | 5 | 113 | 106 | 0.45 | 1.0 | 2.4 | B | 186 | 4 | 1.9 | | |
| JAN 12 | 2 | 43 | 44.7 | 59 | 38.1 | 151 | 8.9 | 7.0 | 1.3 | 12 | 6 | 126 | 13 | 0.40 | 0.5 | 0.5 | A | 21 | 15 | 0.4 | | |
| JAN 12 | 3 | 41 | 57.7 | 60 | 16.1 | 141 | 5.2 | 9.6 | 0.7A | 8 | 2 | 122 | 13 | 0.09 | 1.2 | 1.6 | B | 311 | 16 | 0.9 | | |
| JAN 12 | 3 | 59 | 32.7 | 60 | 10.3 | 140 | 57.6 | 11.6 | 0.6A | 5 | 3 | 142 | 5 | 0.10 | 13.0 | 5.3 | D | 198 | 21 | 26.1 | | |
| JAN 12 | 5 | 40 | 10.9 | 60 | 8.4 | 141 | 10.5 | 1.9 | 0.5A | 3 | 2 | 213 | 8 | 0.02 | 4.0 | 3.3 | C | 278 | 12 | 0.8 | | |
| JAN 12 | 7 | 43 | 12.9 | 60 | 19.0 | 141 | 19.0 | 14.2 | 0.8A | 7 | 3 | 142 | 24 | 0.13 | 2.7 | 4.2 | C | 81 | 18 | 2.5 | | |
| JAN 12 | 8 | 12 | 32.7 | 60 | 15.2 | 140 | 55.0 | 1.8 | 0.7A | 5 | 2 | 156 | 13 | 0.12 | 1.3 | 4.1 | C | 81 | 9 | 0.9 | | |
| JAN 12 | 10 | 59 | 7.9 | 60 | 0.7 | 140 | 55.2 | 97.9 | 2.6 | 19 | 6 | 183 | 20 | 0.42 | 1.4 | 2.0 | B | 81 | 6 | 2.4 | | |
| JAN 12 | 12 | 23 | 38.4 | 60 | 16.9 | 141 | 14.7 | 7.8 | 0.8A | 7 | 2 | 142 | 19 | 0.46 | 1.1 | 1.5 | B | 313 | 15 | 0.8 | | |
| JAN 12 | 17 | 23 | 51.7 | 59 | 41.8 | 136 | 20.7 | 1.3 | 1.9 | 7 | 5 | 242 | 146 | 0.63 | 2.6 | 2.4 | B | 118 | 18 | 2.0 | | |
| JAN 12 | 18 | 55 | 6.8 | 60 | 13.3 | 140 | 58.0 | 9.7 | 1.0A | 6 | 4 | 123 | 8 | 0.10 | 2.0 | 2.3 | B | 97 | 15 | 1.0 | | |
| JAN 12 | 22 | 21 | 30.0 | 62 | 37.0 | 151 | 21.4 | 93.2 | 2.6 | 10 | 3 | 210 | 71 | 0.48 | 7.1 | 5.2 | D | 105 | 27 | 3.9 | | |
| JAN 13 | 0 | 50 | 27.5 | 60 | 17.5 | 141 | 3.2 | 5.7 | 0.2A | 5 | 4 | 127 | 15 | 0.13 | 3.2 | 6.1 | D | 81 | 17 | 1.9 | | |
| JAN 13 | 3 | 50 | 30.9 | 61 | 19.7 | 150 | 1.9 | 34.0 | 1.8 | 19 | 6 | 60 | 27 | 0.65 | 0.5 | 0.9 | A | 278 | 9 | 0.6 | | |
| JAN 13 | 4 | 11 | 39.5 | 60 | 49.3 | 150 | 36.9 | 40.2 | 1.9 | 19 | 4 | 42 | 35 | 0.38 | 0.4 | 2.1 | B | 291 | 0 | 0.8 | | |
| JAN 13 | 6 | 39 | 7.7 | 59 | 50.8 | 153 | 41.6 | 148.6 | 2.9 | 15 | 5 | 217 | 62 | 0.48 | 3.8 | 2.5 | C | 293 | 14 | 3.3 | | |
| JAN 13 | 7 | 2 | 57.6 | 60 | 19.5 | 140 | 39.6 | 10.5 | 1.4 | 8 | 4 | 220 | 36 | 0.28 | 3.9 | 8.2 | D | 322 | 3 | 0.8 | | |
| JAN 13 | 7 | 10 | 48.1 | 61 | 8.9 | 150 | 41.7 | 18.8 | 1.8 | 20 | 10 | 50 | 35 | 0.73 | 0.4 | 0.5 | B | 313 | 12 | 0.5 | | |
| JAN 13 | 8 | 49 | 11.9 | 58 | 5.8 | 137 | 35.8 | 0.1 | 2.0 | 6 | 4 | 191 | 168 | 0.68 | 18.7 | 5.5 | D | 323 | 7 | 3.0 | | |
| JAN 13 | 9 | 22 | 10.0 | 59 | 54.4 | 140 | 43.0 | 0.3 | 2.7 | 14 | 7 | 167 | 33 | 0.68 | 0.7 | 0.7 | A | 300 | 8 | 0.6 | | |
| JAN 13 | 9 | 51 | 45.6 | 59 | 54.9 | 138 | 59.4 | 14.8 | 1.2 | 8 | 4 | 220 | 36 | 0.28 | 0.5 | 0.5 | B | 322 | 14 | 3.3 | | |
| JAN 13 | 10 | 10 | 33.9 | 59 | 54.6 | 138 | 59.8 | 15.0 | 0.6 | 4 | 4 | 246 | 35 | 0.20 | 2.9 | 5.2 | C | 322 | 0 | 0.8 | | |
| JAN 13 | 10 | 22 | 23.7 | 61 | 16.7 | 152 | 11.4 | 5.4 | 0.5 | 3 | 3 | 286 | 2 | 0.06 | 1.1 | 0.9 | A | 199 | 2 | 0.6 | | |
| JAN 13 | 14 | 58 | 46.0 | 60 | 29.8 | 141 | 34.3 | 14.3 | 1.4 | 12 | 8 | 105 | 18 | 0.31 | 0.5 | 0.9 | A | 352 | 7 | 0.5 | | |
| JAN 13 | 16 | 57 | 15.6 | 59 | 41.5 | 139 | 5.9 | 9.1 | 1.7 | 11 | 4 | 195 | 17 | 0.68 | 2.0 | 1.2 | B | 321 | 13 | 0.6 | | |
| JAN 13 | 17 | 39 | 48.5 | 60 | 15.9 | 141 | 2.2 | 10.7 | 1.2 | 11 | 7 | 125 | 12 | 0.20 | 0.6 | 1.0 | A | 81 | 7 | 0.9 | | |
| JAN 13 | 18 | 30 | 43.8 | 59 | 56.4 | 152 | 45.8 | 91.8 | 2.5 | 20 | 9 | 188 | 27 | 0.53 | 1.1 | 1.1 | A | 152 | 13 | 1.0 | | |
| JAN 13 | 19 | 33 | 54.7 | 60 | 13.1 | 152 | 39.3 | 95.2 | 3.5 | 20 | 12 | 108 | 10 | 0.61 | 0.8 | 0.8 | A | 163 | 4 | 0.8 | | |
| JAN 13 | 21 | 21 | 16.5 | 59 | 55.8 | 140 | 42.9 | 3.1 | 1.0 | 9 | 5 | 180 | 31 | 0.29 | 1.1 | 2.2 | B | 110 | 9 | 0.8 | | |
| JAN 14 | 2 | 4 | 25.0 | 60 | 7.8 | 141 | 7.2 | 5.9 | 1.0 | 9 | 5 | 101 | 8 | 0.46 | 1.1 | 1.3 | A | 303 | 8 | 0.6 | | |
| JAN 14 | 7 | 24 | 41.0 | 60 | 4.6 | 140 | 51.2 | 10.5 | 1.5 | 10 | 7 | 170 | 33 | 0.52 | 0.9 | 1.0 | A | 293 | 6 | 0.5 | | |
| JAN 14 | 7 | 42 | 12.0 | 59 | 47.8 | 150 | 42.1 | 38.3 | 1.3 | 12 | 7 | 152 | 10 | 0.25 | 1.1 | 1.2 | A | 30 | 17 | 1.7 | | |
| JAN 14 | 11 | 44 | 28.1 | 59 | 49.3 | 153 | 29.3 | 124.7 | 4.1 | 21 | 3 | 99 | 55 | 0.31 | 1.6 | 2.7 | B | 322 | 5 | 0.7 | | |
| JAN 14 | 4.8 | MB | 4.4 | ML | ATWC | FELT (III) AT HOMER. | | | | | | | | | | | | 261 | 21 | 1.5 | | |
| JAN 14 | 13 | 32 | 37.5 | 60 | 10.9 | 140 | 50.6 | 13.5 | 1.1 | 9 | 6 | 160 | 34 | 0.63 | 1.0 | 1.1 | A | 120 | 1 | 0.6 | | |
| JAN 14 | 14 | 8 | 25.5 | 60 | 13.8 | 140 | 58.1 | 11.1 | 1.1 | 7 | 3 | 158 | 42 | 0.34 | 1.3 | 1.3 | A | 299 | 6 | 0.8 | | |
| JAN 14 | 14 | 53 | 30.1 | 60 | 9.4 | 141 | 9.4 | 8.3 | 0.8A | 6 | 5 | 169 | 40 | 0.54 | 1.4 | 1.9 | B | 291 | 0 | 0.8 | | |
| JAN 14 | 16 | 46 | 5.6 | 60 | 18.9 | 140 | 50.5 | 10.5 | 1.1 | 7 | 4 | 146 | 41 | 0.17 | 1.3 | 2.9 | C | 294 | 5 | 0.8 | | |
| JAN 14 | 19 | 45 | 34.5 | 60 | 0.8 | 141 | 3.5 | 3.2 | 0.6A | 3 | 2 | 238 | 16 | 0.11 | 1.4 | 3.2 | C | 125 | 10 | 1.0 | | |
| JAN 14 | 20 | 14 | 12.8 | 61 | 58.0 | 148 | 48.8 | 12.4 | 2.0 | 18 | 7 | 97 | 39 | 0.64 | 0.7 | 1.1 | A | 8 | 10 | 0.6 | | |
| JAN 14 | 21 | 20 | 0.2 | 141 | 11.2 | 0.5 | 11.2 | 0.5 | 11 | 1 | 2 | 111 | 2 | 0.29 | 1.3 | 0.5 | A | 113 | 8 | 0.6 | | |
| JAN 14 | 23 | 19 | 50.0 | 61 | 59.0 | 141 | 26.8 | 46.2 | 2.4 | 21 | 7 | 175 | 57 | 0.7 | 0.7 | 1.7 | B | 89 | 7 | 0.9 | | |
| JAN 15 | 0 | 44 | 44.9 | 60 | 7.0 | 141 | 8.0 | 10.1 | 0.8A | 6 | 4 | 200 | 7 | 0.25 | 2.4 | 1.0 | B | 25 | 17 | 0.9 | | |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JANUARY 1984 | | | | | | | | | | | | |
|--|-------|--------|---------|------|------|----------|----------|---------|---------|-----|-------|-----|
| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | CAP | DI | RMS | SEH | SEZ Q | |
| | | | | | | | | | | | | |
| 1984 | HR MN | SEC | DEG MIN | MIN | DEG | MIN | DEG | KM | SEC | KM | DEG | |
| JAN 15 | 2 | 5 | 56.9 | 59 | 31.8 | 138 48.9 | 5.3 | 1.0 | 4 | 246 | 9 | |
| JAN 15 | 3 | 33 | 31.9 | 60 | 1.3 | 141 38.3 | 4.2 | 1.1 | 11 | 164 | 22 | |
| JAN 15 | 4 | 11 | 21.2 | 60 | 0.4 | 141 40.0 | 10.8 | 1.0 | 12 | 8 | 170 | |
| JAN 15 | 4 | 20 | 15.9 | 60 | 11.7 | 141 7.6 | 7.4 | 2.0 | 16 | 10 | 120 | |
| JAN 15 | 6 | 37 | 47.9 | 59 | 58.4 | 140 46.9 | 6.8 | 1.3 | 14 | 7 | 159 | |
| JAN 15 | 7 | 38 | 15.5 | 60 | 13.1 | 141 11.5 | 10.8 | 1.1 | 13 | 7 | 109 | |
| JAN 15 | 9 | 7 | 39.6 | 60 | 8.6 | 140 28.5 | 9.2 | 1.0 | 10 | 6 | 140 | |
| JAN 15 | 10 | 14 | 31.5 | 61 | 15.4 | 152 10.9 | 2.6 | -0.6 | 3 | 269 | 2 | |
| JAN 15 | 13 | 16 | 30.0 | 61 | 26.2 | 151 15.9 | 9.4 | 2.1 | 27 | 8 | 89 | |
| JAN 15 | 14 | 48 | 8.0 | 59 | 35.3 | 151 24.8 | 7.6 | 0.5A | 8 | 5 | 170 | |
| JAN 15 | 15 | 56 | 54.3 | 60 | 16.1 | 140 57.7 | 7.5 | 0.7A | 7 | 5 | 130 | |
| JAN 15 | 16 | 20 | 6.8 | 60 | 17.4 | 141 12.1 | 9.5 | 0.9 | 14 | 8 | 117 | |
| JAN 15 | 17 | 0 | 24.5 | 60 | 9.2 | 141 4.1 | 3.6 | 0.7 | 10 | 4 | 97 | |
| JAN 15 | 19 | 14 | 49.2 | 63 | 8.6 | 148 14.9 | 100.8 | 3.5 | 10 | 5 | 132 | |
| JAN 15 | 20 | 53 | 48.7 | 60 | 7.2 | 141 11.2 | 8.3 | 1.3 | 17 | 7 | 110 | |
| JAN 15 | 22 | 53 | 46.8 | 61 | 25.7 | 149 52.0 | 43.8 | 2.2 | 29 | 117 | 47 | |
| JAN 16 | 4 | 53 | 40.6 | 60 | 23.8 | 145 0.1 | 22.5 | 2.1 | 19 | 7 | 137 | |
| JAN 16 | 9 | 39 | 52.9 | 60 | 13.3 | 140 56.5 | 7.8 | 0.6A | 4 | 4 | 180 | |
| JAN 16 | 13 | 9 | 21.9 | 60 | 14.7 | 140 59.2 | 7.6 | 0.6A | 5 | 4 | 185 | |
| JAN 16 | 13 | 45 | 1.5 | 60 | 14.6 | 140 59.0 | 8.4 | 0.8 | 15 | 8 | 125 | |
| JAN 16 | 14 | 8 | 24.5 | 60 | 14.9 | 140 59.2 | 5.7 | 0.6A | 6 | 4 | 186 | |
| JAN 16 | 16 | 29 | 54.3 | 60 | 28.2 | 143 4.2 | 2.1 | 0.9 | 6 | 5 | 134 | |
| JAN 16 | 17 | 9 | 51.5 | 60 | 28.2 | 143 5.6 | 1.4 | 1.1 | 10 | 5 | 104 | |
| JAN 16 | 18 | 10 | 29.7 | 60 | 58.9 | 152 10.7 | 1.4 | 0.4A | 4 | 3 | 178 | |
| JAN 16 | 19 | 54 | 26.7 | 60 | 12.5 | 141 2.1 | 8.2 | 0.4A | 4 | 4 | 172 | |
| JAN 16 | 20 | 20 | 35.8 | 60 | 19.7 | 141 13.4 | 15.2 | 1.0A | 10 | 4 | 120 | |
| JAN 17 | 5 | 10 | 14.6 | 60 | 18.1 | 140 58.3 | 11.4 | 1.2 | 17 | 11 | 132 | |
| JAN 17 | 5 | 49 | 17.0 | 59 | 45.8 | 153 29.2 | 110.8 | 3.1 | 19 | 6 | 158 | |
| JAN 17 | 6 | 34 | 35.2 | 60 | 18.8 | 140 52.5 | 8.7 | 0.5A | 5 | 3 | 203 | |
| JAN 17 | 6 | 45 | 47.0 | 60 | 7.0 | 141 16.4 | 10.5 | 0.6 | 8 | 4 | 162 | |
| JAN 17 | 8 | 11 | 19.3 | 60 | 18.4 | 141 8.6 | 6.9 | 0.9 | 16 | 6 | 123 | |
| JAN 17 | 8 | 12 | 49.8 | 60 | 17.4 | 141 8.8 | 11.3 | 0.5A | 5 | 3 | 190 | |
| JAN 17 | 10 | 6 | 48.6 | 61 | 37.1 | 149 35.8 | 36.4 | 1.8 | 25 | 14 | 139 | |
| JAN 17 | 11 | 13 | 44.0 | 60 | 8.8 | 139 47.4 | 17.9 | 1.0A | 5 | 4 | 223 | |
| JAN 17 | 12 | 53 | 57.8 | 60 | 29.9 | 144 44.7 | 21.3 | 0.7A | 9 | 4 | 155 | |
| JAN 17 | 18 | 3 | 36.5 | 59 | 53.0 | 140 41.8 | 4.2 | 0.9 | 10 | 4 | 184 | |
| JAN 17 | 21 | 40 | 30.5 | 59 | 58.0 | 141 35.1 | 0.3 | 0.9A | 10 | 4 | 208 | |
| JAN 17 | 22 | 27 | 27.5 | 60 | 24.2 | 144 55.0 | 19.4 | 0.8A | 11 | 5 | 194 | |
| JAN 17 | 22 | 37 | 17.5 | 60 | 25.6 | 144 55.5 | 24.2 | 1.1A | 11 | 3 | 186 | |
| JAN 17 | 23 | 7 | 21.3 | 61 | 29.0 | 141 6.0 | 0.1 | 1.4 | 10 | 4 | 254 | |
| JAN 17 | 23 | 11 | 37.1 | 60 | 10.7 | 140 56.0 | 10.4 | 0.7A | 9 | 3 | 117 | |
| JAN 18 | 0 | 17 | 16.3 | 60 | 27.6 | 143 16.8 | 18.0 | 1.0A | 6 | 4 | 118 | |
| JAN 18 | 1 | 18 | 13.1 | 61 | 2.3 | 147 4.3 | 14.5 | 3.0 | 31 | 5 | 48 | |
| JAN 18 | 2 | 5 | 30.0 | 59 | 51.4 | 141 20.0 | 4.3 | 0.9 | 6 | 3 | 272 | |
| JAN 18 | 5 | 25 | 46.4 | 59 | 53.8 | 141 22.4 | 4.7 | 1.4 | 16 | 7 | 180 | |
| JAN 18 | 5 | 27 | 33.4 | 59 | 52.3 | 141 22.5 | 2.6 | 0.8 | 12 | 3 | 190 | |
| JAN 18 | 6 | 11 | 44.4 | 59 | 53.5 | 141 24.0 | 0.4 | 1.3 | 11 | 2 | 187 | |
| JAN 18 | 7 | 23 | 44.7 | 62 | 5.9 | 147 56.8 | 39.3 | 2.1 | 25 | 10 | 181 | |
| JAN 18 | 8 | 1 | 18 | 13.1 | 61 | 3.2 | ML ATWC | 3.5 | ML ATWC | 2.1 | 25 | |
| JAN 18 | 1 | 25 | 41.0 | 60 | 12.3 | 141 10.6 | 12.7 | 0.5A | 5 | 3 | 164 | |
| JAN 18 | 5 | 23 | 30.0 | 59 | 51.4 | 141 20.0 | 4.3 | 0.9 | 6 | 3 | 272 | |
| JAN 18 | 7 | 27 | 17.5 | 60 | 25.6 | 144 55.5 | 24.2 | 1.1A | 11 | 3 | 186 | |
| JAN 18 | 7 | 23 | 7 | 21.3 | 61 | 29.0 | 141 6.0 | 0.1 | 1.4 | 10 | 4 | 254 |
| JAN 18 | 7 | 23 | 11 | 37.1 | 60 | 10.7 | 140 56.0 | 10.4 | 0.7A | 9 | 3 | 117 |
| JAN 18 | 8 | 0 | 17 | 16.3 | 60 | 27.6 | 143 16.8 | 18.0 | 1.0A | 6 | 4 | 118 |
| JAN 18 | 8 | 1 | 18 | 13.1 | 61 | 2.3 | 147 4.3 | 14.5 | 3.0 | 31 | 5 | 48 |
| JAN 18 | 9 | 1 | 18 | 13.1 | 61 | 2.3 | 147 4.3 | 14.5 | 3.0 | 31 | 5 | 48 |
| JAN 18 | 10 | 25 | 41.0 | 60 | 12.3 | 141 10.6 | 12.7 | 0.5A | 5 | 3 | 164 | |
| JAN 18 | 10 | 23 | 30.0 | 59 | 51.4 | 141 20.0 | 4.3 | 0.9 | 6 | 3 | 272 | |
| JAN 18 | 10 | 25 | 46.4 | 59 | 53.8 | 141 22.4 | 4.7 | 1.4 | 16 | 7 | 180 | |
| JAN 18 | 10 | 27 | 33.4 | 59 | 52.3 | 141 22.5 | 2.6 | 0.8 | 12 | 3 | 190 | |
| JAN 18 | 11 | 11 | 44.4 | 59 | 53.5 | 141 24.0 | 0.4 | 1.3 | 11 | 2 | 187 | |
| JAN 18 | 11 | 23 | 44.7 | 62 | 5.9 | 147 56.8 | 39.3 | 2.1 | 25 | 10 | 181 | |
| JAN 18 | 12 | 27 | 17.5 | 60 | 25.6 | 144 55.5 | 24.2 | 1.1A | 11 | 3 | 186 | |
| JAN 18 | 12 | 23 | 7 | 21.3 | 61 | 29.0 | 141 6.0 | 0.1 | 1.4 | 10 | 4 | 254 |
| JAN 18 | 12 | 23 | 11 | 37.1 | 60 | 10.7 | 140 56.0 | 10.4 | 0.7A | 9 | 3 | 117 |
| JAN 18 | 13 | 0 | 17 | 16.3 | 60 | 27.6 | 143 16.8 | 18.0 | 1.0A | 6 | 4 | 118 |
| JAN 18 | 13 | 1 | 18 | 13.1 | 61 | 2.3 | 147 4.3 | 14.5 | 3.0 | 31 | 5 | 48 |
| JAN 18 | 14 | 25 | 41.0 | 60 | 12.3 | 141 10.6 | 12.7 | 0.5A | 5 | 3 | 164 | |
| JAN 18 | 14 | 23 | 30.0 | 59 | 51.4 | 141 20.0 | 4.3 | 0.9 | 6 | 3 | 272 | |
| JAN 18 | 14 | 25 | 46.4 | 59 | 53.8 | 141 22.4 | 4.7 | 1.4 | 16 | 7 | 180 | |
| JAN 18 | 14 | 27 | 33.4 | 59 | 52.3 | 141 22.5 | 2.6 | 0.8 | 12 | 3 | 190 | |
| JAN 18 | 15 | 11 | 44.4 | 59 | 53.5 | 141 24.0 | 0.4 | 1.3 | 11 | 2 | 187 | |
| JAN 18 | 15 | 23 | 44.7 | 62 | 5.9 | 147 56.8 | 39.3 | 2.1 | 25 | 10 | 181 | |
| JAN 18 | 16 | 27 | 17.5 | 60 | 25.6 | 144 55.5 | 24.2 | 1.1A | 11 | 3 | 186 | |
| JAN 18 | 16 | 23 | 7 | 21.3 | 61 | 29.0 | 141 6.0 | 0.1 | 1.4 | 10 | 4 | 254 |
| JAN 18 | 16 | 23 | 11 | 37.1 | 60 | 10.7 | 140 56.0 | 10.4 | 0.7A | 9 | 3 | 117 |
| JAN 18 | 17 | 0 | 17 | 16.3 | 60 | 27.6 | 143 16.8 | 18.0 | 1.0A | 6 | 4 | 118 |
| JAN 18 | 17 | 1 | 18 | 13.1 | 61 | 2.3 | 147 4.3 | 14.5 | 3.0 | 31 | 5 | 48 |
| JAN 18 | 18 | 25 | 41.0 | 60 | 12.3 | 141 10.6 | 12.7 | 0.5A | 5 | 3 | 164 | |
| JAN 18 | 18 | 23 | 30.0 | 59 | 51.4 | 141 20.0 | 4.3 | 0.9 | 6 | 3 | 272 | |
| JAN 18 | 18 | 25 | 46.4 | 59 | 53.8 | 141 22.4 | 4.7 | 1.4 | 16 | 7 | 180 | |
| JAN 18 | 18 | 27 | 33.4 | 59 | 52.3 | 141 22.5 | 2.6 | 0.8 | 12 | 3 | 190 | |
| JAN 18 | 19 | 11 | 44.4 | 59 | 53.5 | 141 24.0 | 0.4 | 1.3 | 11 | 2 | 187 | |
| JAN 18 | 19 | 23 | 44.7 | 62 | 5.9 | 147 56.8 | 39.3 | 2.1 | 25 | 10 | 181 | |
| JAN 18 | 20 | 27 | 17.5 | 60 | 25.6 | 144 55.5 | 24.2 | 1.1A | 11 | 3 | 186 | |
| JAN 18 | 20 | 23 | 7 | 21.3 | 61 | 29.0 | 141 6.0 | 0.1 | 1.4 | 10 | 4 | 254 |
| JAN 18 | 20 | 23 | 11 | 37.1 | 60 | 10.7 | 140 56.0 | 10.4 | 0.7A | 9 | 3 | 117 |
| JAN 18 | 21 | 0 | 17 | 16.3 | 60 | 27.6 | 143 16.8 | 18.0 | 1.0A | 6 | 4 | 118 |
| JAN 18 | 21 | 1 | 18 | 13.1 | 61 | 2.3 | 147 4.3 | 14.5 | 3.0 | 31 | 5 | 48 |
| JAN 18 | 22 | 25 | 41.0 | 60 | 12.3 | 141 10.6 | 12.7 | 0.5A | 5 | 3 | 164 | |
| JAN 18 | 22 | 23 | 30.0 | 59 | 51.4 | 141 20.0 | 4.3 | 0.9 | 6 | 3 | 272 | |
| JAN 18 | 22 | 25 | 46.4 | 59 | 53.8 | 141 22.4 | 4.7 | 1.4 | 16 | 7 | 180 | |
| JAN 18 | 22 | 27 | 33.4 | 59 | 52.3 | 141 22.5 | 2.6 | 0.8 | 12 | 3 | 190 | |
| JAN 18 | 23 | 11 | 44.4 | 59 | 53.5 | 141 24.0 | 0.4 | 1.3 | 11 | 2 | 187 | |
| JAN 18 | 23 | 23 | 44.7 | 62 | 5.9 | 147 56.8 | 39.3 | 2.1 | 25 | 10 | 181 | |
| JAN 18 | 24 | 27 | 17.5 | 60 | 25.6 | 144 55.5 | 24.2 | 1.1A | 11 | 3 | 186 | |
| JAN 18 | 24 | 23 | 7 | 21.3 | 61 | 29.0 | 141 6.0 | 0.1 | 1.4 | 10 | 4 | 254 |
| JAN 18 | 24 | 23 | 11 | 37.1 | 60 | 10.7 | 140 56.0 | 10.4 | 0.7A | 9 | 3 | 117 |
| JAN 18 | 25 | 0 | 17 | 16.3 | 60 | 27.6 | 143 16.8 | 18.0 | 1.0A | 6 | 4 | 118 |
| JAN 18 | 25 | 1 | 18 | 13.1 | 61 | 2.3 | 147 4.3 | 14.5 | 3.0 | 31 | 5 | 48 |
| JAN 18 | 26 | 25 | 41.0 | 60 | 12.3 | 141 10.6 | 12.7 | 0.5A | 5 | 3 | 164 | |
| JAN 18 | 26 | 23 | 30.0 | 59 | 51.4 | 141 20.0 | 4.3 | 0.9</th | | | | |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JANUARY 1984 | | | | | | | | | | | |
|--|---------|----------|---------|---------|-----|-----|-----|------|------|-------|--------|
| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | GAP | D1 | RMS | SEH | SEZ Q |
| 1984 | HR MN | SEC | DEG MIN | DEG MIN | DEG | MIN | DEG | KM | SEC | KM | DEG |
| JAN 18 7 31 17.0 | 60 49.3 | 164 36.7 | 8.4 | 1.5 | 16 | 2 | 65 | 16 | 0.60 | 0.7 | 1.4 A |
| 18 7 59 55.7 | 60 12.3 | 139 41.7 | 17.2 | 0.8 | 5 | 3 | 207 | 28 | 0.37 | 2.1 B | 108 17 |
| 18 8 16 40 3.4 | 60 6.9 | 141 30.1 | 10.7 | 0.3 | 6 | 1 | 192 | 4 | 0.10 | 3.3 | 1.0 C |
| 18 17 29 6.6 | 60 5.4 | 141 16.8 | 9.6 | 0.8 | 8 | 4 | 154 | 10 | 0.17 | 1.1 | 0.7 A |
| 18 20 29 41.2 | 60 37.3 | 143 16.4 | 7.1 | 1.1 | 12 | 4 | 88 | 30 | 0.69 | 0.6 | 3.5 C |
| 18 22 5 45.9 | 60 13.7 | 141 1.5 | 9.0 | 0.7 | 8 | 4 | 120 | 8 | 0.30 | 1.1 | 1.2 A |
| 19 2 16 30.1 | 60 35.9 | 147 21.0 | 20.8 | 2.1 | 27 | 10 | 71 | 36 | 0.55 | 0.5 | 1.0 A |
| 19 6 6 49.8 | 60 8.5 | 141 13.6 | 3.2 | 1.1 | 12 | 3 | 110 | 11 | 0.47 | 0.6 | 0.8 A |
| 19 6 45 52.2 | 63 4.7 | 149 34.3 | 53.2 | 2.5 | 14 | 3 | 162 | 155 | 0.58 | 4.1 | 25.0 D |
| 19 14 45 31.0 | 60 25.1 | 141 37.4 | 4.8 | 1.1A | 6 | 4 | 109 | 32 | 0.49 | 1.2 | 2.1 B |
| 19 20 12 20.1 | 60 56.4 | 151 13.6 | 70.4 | 3.0 | 28 | 5 | 46 | 22 | 0.52 | 0.6 | 1.4 B |
| 20 1 10 41.6 | 60 16.9 | 140 35.1 | 0.1 | 1.3 | 13 | 6 | 152 | 27 | 0.53 | 0.6 | 1.4 B |
| 20 1 51 43.3 | 60 23.0 | 140 58.1 | 4.7 | 0.8A | 10 | 3 | 139 | 26 | 0.55 | 0.9 | 2.4 B |
| 20 3 0 38.0 | 60 11.9 | 141 0.1 | 12.4 | 1.1 | 14 | 5 | 117 | 5 | 0.36 | 0.8 | 0.6 A |
| 20 4 36 53.6 | 60 55.8 | 152 26.6 | 113.7 | 3.1 | 23 | 6 | 104 | 35 | 0.43 | 1.0 | 1.7 B |
| 19 20 8 3 57.7 | 60 20.7 | 141 20.5 | 16.4 | 1.1 | 10 | 4 | 114 | 22 | 0.67 | 0.7 | 0.9 A |
| 20 13 32 44.2 | 60 13.2 | 142 54.2 | 27.1 | 0.4A | 6 | 3 | 168 | 4 | 0.18 | 1.4 | 2.87 |
| 20 14 46 59.5 | 60 13.8 | 141 1.8 | 8.6 | 0.5A | 7 | 2 | 120 | 9 | 0.20 | 2.8 | 2.97 |
| 20 15 55 14.0 | 60 8.5 | 141 16.4 | 9.1 | 1.2 | 13 | 5 | 136 | 13 | 0.43 | 0.5 | 0.6 A |
| 20 16 11 22.4 | 60 4.9 | 141 17.7 | 7.7 | 0.5A | 3 | 2 | 233 | 17 | 0.05 | 3.0 | 3.3 C |
| 20 17 29 34.8 | 61 4.3 | 148 6.9 | 28.5 | 1.7 | 25 | 8 | 94 | 42 | 0.26 | 0.5 | 0.7 A |
| 20 18 23 31.1 | 60 0.0 | 153 24.9 | 121.9 | 3.7 | 19 | 5 | 198 | 39 | 0.29 | 2.0 | 1.7 B |
| 4.1 MB | 3.7 ML | ATWC | | | | | | | | | |
| 20 18 44 6.2 | 62 55.3 | 148 2.2 | 44.4 | 2.5 | 15 | 5 | 130 | 127 | 0.66 | 2.2 | 6.8 D |
| 20 20 55 51.7 | 59 49.0 | 152 45.7 | 88.3 | 2.8 | 21 | 7 | 138 | 41 | 0.24 | 1.5 | 1.8 B |
| 20 22 51 59.2 | 61 8.1 | 152 12.3 | 5.5 | 1.0 | 3 | 3 | 313 | 10 | 0.38 | 1.4 | 1.2 A |
| 20 23 8 29.6 | 60 5.5 | 141 12.8 | 3.7A | 6 | 2 | 180 | 12 | 0.30 | 3.2 | 5.7 D | |
| 21 2 5 45.0 | 59 55.9 | 141 22.3 | 8.8 | 1.8 | 15 | 3 | 177 | 31 | 0.57 | 1.0 | 1.1 A |
| 21 6 18 41.3 | 60 1.8 | 140 46.3 | 0.0 | 0.8A | 5 | 2 | 187 | 20 | 0.10 | 2.2 | 10.3 D |
| 21 14 5 21.4 | 60 26.3 | 143 37.5 | 9.2 | 1.3A | 10 | 2 | 132 | 37 | 0.58 | 0.9 | 2.8 C |
| 21 18 39 28.8 | 60 13.4 | 141 0.2 | 7.3 | 0.7 | 8 | 3 | 147 | 8 | 0.44 | 1.1 | 0.9 A |
| 21 18 49 11.7 | 61 38.9 | 149 54.7 | 34.9 | 1.8 | 13 | 7 | 146 | 2 | 0.38 | 0.8 | 1.2 A |
| 21 21 14 57.2 | 60 15.0 | 141 50.8 | 6.4 | 1.1 | 11 | 4 | 85 | 13 | 0.71 | 0.5 | 0.8 A |
| 22 2 41 30.8 | 60 59.2 | 147 16.2 | 17.1 | 2.0 | 25 | 11 | 87 | 15 | 0.66 | 0.5 | 0.7 A |
| 22 2 44 51.4 | 60 25.8 | 145 4.9 | 19.5 | 0.8A | 9 | 8 | 165 | 13 | 0.93 | 0.7 | 1.0 A |
| 22 4 18 20.9 | 60 11.9 | 140 13.6 | 6.6 | 0.9 | 9 | 6 | 164 | 11 | 0.32 | 1.9 | 2.0 B |
| 22 7 31 33.2 | 59 58.6 | 138 36.5 | 5.0 | 1.0 | 7 | 4 | 253 | 56 | 0.24 | 4.1 | 25.0 D |
| 22 7 41 49.6 | 61 45.7 | 149 50.7 | 46.6 | 1.9 | 16 | 7 | 151 | 13 | 0.38 | 0.8 | 0.9 A |
| 22 7 42 30.4 | 60 36.5 | 144 44.7 | 19.6 | 1.1 | 10 | 9 | 114 | 27 | 0.42 | 0.6 | 1.0 A |
| 22 9 8 10.0 | 59 48.8 | 140 56.5 | 0.1 | 0.9 | 8 | 6 | 213 | 29 | 0.42 | 1.5 | 2.3 B |
| 22 9 40 36.9 | 60 18.0 | 141 5.3 | 7.1 | 0.4A | 6 | 4 | 155 | 17 | 0.11 | 0.9 | 2.4 B |
| 22 11 47 32.2 | 60 13.3 | 152 10.8 | 69.6 | 2.7 | 25 | 10 | 105 | 36 | 0.45 | 0.8 | 0.9 A |
| 22 12 23.3 | 61 15.5 | 143 14.9 | 11.9 | 1.1 | 11 | 6 | 162 | 36 | 0.49 | 1.0 | 2.9 C |
| 22 12 20 48.3 | 60 43.3 | 145 54.1 | 24.8 | 1.9 | 22 | 10 | 66 | 21 | 0.60 | 0.5 | 0.6 A |
| 22 13 43 15.5 | 60 17.8 | 140 40.4 | 10.5 | 0.8 | 13 | 6 | 149 | 26 | 0.27 | 0.7 | 1.6 B |
| 22 15 51 36.2 | 60 8.0 | 141 5.6 | 8.6 | 0.8 | 5 | 5 | 110 | 4 | 0.36 | 0.7 | 1.0 A |
| 22 16 0 26.8 | 61 46.2 | 150 54.2 | 58.1 | 2.8 | 23 | 8 | 77 | 35 | 0.36 | 0.8 | 1.1 A |
| 22 19 27 21.8 | 60 20.8 | 141 16.8 | 13.4 | 1.3 | 13 | 8 | 117 | 25 | 0.55 | 0.5 | 0.9 A |
| 22 20 9 25.5 | 60 26.9 | 145 1.8 | 9.9 | 2.2 | 23 | 12 | 64 | 14 | 0.51 | 0.4 | 0.6 A |
| 23 2 47 37.3 | 60 10.7 | 140 57.2 | 11.0 | 0.7 | 9 | 6 | 116 | 5 | 0.25 | 0.8 | 0.7 A |
| 23 4 32 16.6 | 60 9.2 | 141 18.2 | 11.0 | 0.7 | 6 | 4 | 131 | 9 | 0.21 | 0.9 | 1.0 A |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JANUARY 1984 | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-----|------|------|------|-------|------|------|------|-----|-----|-----|------|------|------|------|------|-----|------|-----|-----|------|-----|-----|----|
| 1984 | ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | | | | | | | | | | | | | |
| | | | | | | | | | | | | SEZ | | | | | | | | | | | | | |
| HR | MIN | SEC | DEG | MIN | DEG | MIN | KM | DEG | MIN | DEG | DEG | DEG | | | | | | | | | | | | | |
| JAN | 23 | 4 | 42 | 9.2 | 60 | 21.9 | 147 | 35.0 | 26.1 | 2.3 | 32 | 10 | | | | | | | | | | | | | |
| 23 | 7 | 46 | 19.5 | 60 | 13.1 | 140 | 54.5 | 3.5 | 0.6A | 6 | 4 | 181 | 10 | 0.45 | 0.5 | 0.9A | 273 | 5 | 0.6 | 5 | 20 | 0.9 | 170 | 69 | |
| 23 | 7 | 48 | 9.0 | 60 | 10.8 | 140 | 57.3 | 9.4 | 0.5A | 5 | 4 | 168 | 5 | 0.19 | 0.8 | 0.8A | 81 | 26 | 0.8 | 330 | 34 | 1.0 | 199 | 44 | |
| 23 | 8 | 41 | 23.5 | 60 | 4.8 | 141 | 18.8 | 10.6 | 2.2 | 18 | 5 | 148 | 11 | 0.47 | 0.7 | 0.5A | 276 | 12 | 0.5 | 13 | 28 | 1.3 | 165 | 59 | |
| 23 | 8 | 51 | 59.5 | 60 | 15.1 | 141 | 15.8 | 10.9 | 1.5 | 18 | 7 | 109 | 16 | 0.51 | 0.5 | 0.7A | 318 | 18 | 0.5 | 55 | 23 | 0.7 | 193 | 60 | |
| 23 | 9 | 8 | 1.9 | 60 | 10.3 | 141 | 8.0 | 8.3 | 0.9 | 11 | 5 | 106 | 6 | 0.42 | 0.7 | 0.6A | 299 | 15 | 0.6 | 197 | 40 | 1.5 | 45 | 46 | |
| 23 | 9 | 35 | 18.9 | 60 | 27.5 | 142 | 15.1 | 3.8 | 1.0 | 7 | 5 | 135 | 30 | 0.65 | 0.7 | 8.2D | 276 | 1 | 0.7 | 6 | 3 | 1.0 | 168 | 87 | |
| 23 | 9 | 47 | 19.5 | 60 | 10.5 | 141 | 7.9 | 10.6 | 1.2 | 12 | 7 | 107 | 6 | 0.45 | 0.6 | 0.5A | 322 | 31 | 0.6 | 77 | 36 | 0.8 | 203 | 39 | |
| 23 | 10 | 10 | 49.4 | 60 | 3.8 | 141 | 18.3 | 10.5 | 0.9 | 7 | 3 | 225 | 10 | 0.27 | 1.5 | 0.9B | 202 | 3 | 2.7 | 295 | 34 | 0.7 | 108 | 56 | |
| 23 | 11 | 6 | 43.1 | 60 | 16.4 | 140 | 47.8 | 7.2 | 0.8A | 5 | 3 | 167 | 19 | 0.18 | 2.0 | 2.9C | 286 | 0 | 0.7 | 16 | 32 | 1.7 | 196 | 58 | |
| 23 | 11 | 58 | 19.5 | 60 | 19.1 | 141 | 14.2 | 16.3 | 1.6 | 10 | 6 | 118 | 22 | 0.51 | 0.6 | 0.8A | 81 | 8 | 0.9 | 330 | 18 | 0.6 | 190 | 62 | |
| 23 | 12 | 26 | 40.6 | 60 | 4.8 | 141 | 10.2 | 7.8 | 0.3A | 3 | 3 | 227 | 11 | 0.20 | 2.4 | 2.0B | 280 | 12 | 0.9 | 20 | 39 | 5.6 | 176 | 48 | |
| 23 | 13 | 22 | 48.5 | 60 | 6.6 | 141 | 11.7 | 11.6 | 0.2A | 3 | 3 | 221 | 10 | 0.07 | 3.6 | 1.5C | 285 | 15 | 0.9 | 21 | 20 | 7.1 | 161 | 65 | |
| 23 | 15 | 25 | 59.2 | 61 | 20.5 | 150 | 55.6 | 59.0 | 2.2 | 23 | 9 | 73 | 17 | 0.41 | 0.6 | 1.2A | 261 | 5 | 0.8 | 154 | 9 | 0.9 | 15 | 70 | |
| 23 | 17 | 47 | 29.2 | 60 | 13.3 | 141 | 13.0 | 12.4 | 0.9 | 10 | 5 | 109 | 13 | 0.18 | 0.8 | 1.0A | 318 | 23 | 0.7 | 58 | 23 | 1.0 | 188 | 57 | |
| 23 | 17 | 58 | 31.0 | 60 | 10.7 | 141 | 6.8 | 9.9 | 0.3A | 7 | 5 | 108 | 5 | 0.39 | 0.7 | 0.8A | 296 | 20 | 0.6 | 38 | 31 | 0.9 | 178 | 52 | |
| 23 | 18 | 40 | 58.6 | 58 | 16.2 | 138 | 5.9 | 0.4 | 1.8 | 6 | 4 | 324 | 139 | 0.56 | 9.1 | 2.3D | 81 | 9 | 17.0 | 166 | 19 | 2.7 | 325 | 68 | |
| 23 | 21 | 44 | 59.6 | 60 | 16.6 | 140 | 58.2 | 1.3 | 0.9 | 9 | 6 | 131 | 14 | 0.47 | 0.7 | 1.9B | 81 | 8 | 0.7 | 333 | 12 | 0.6 | 199 | 67 | |
| 23 | 23 | 23 | 4 | 2.5 | 61 | 26.9 | 150 | 44.2 | 6.9 | 2.3 | 27 | 10 | 76 | 2 | 0.41 | 0.5 | 1.2A | 97 | 7 | 0.7 | 188 | 9 | 1.0 | 330 | 79 |
| 24 | 0 | 59 | 23.3 | 62 | 19.4 | 151 | 44.6 | 95.8 | 2.7 | 14 | 6 | 272 | 40 | 0.54 | 1.9 | 1.3A | 151 | 4 | 3.3 | 81 | 32 | 2.0 | 247 | 53 | |
| 24 | 3 | 6 | 26.9 | 60 | 17.8 | 141 | 5.2 | 1.3 | 0.7 | 11 | 7 | 126 | 16 | 0.64 | 0.5 | 1.4B | 313 | 6 | 0.4 | 44 | 15 | 0.7 | 202 | 74 | |
| 24 | 7 | 24 | 39.0 | 62 | 0.8 | 149 | 5.8 | 30.6 | 2.6 | 19 | 7 | 175 | 43 | 0.46 | 0.7 | 0.9A | 280 | 15 | 0.8 | 15 | 17 | 1.2 | 151 | 67 | |
| 24 | 8 | 23 | 39.6 | 58 | 56.8 | 137 | 11.7 | 5.0 | 1.9 | 9 | 4 | 201 | 111 | 0.30 | 9.9 | 2.6D | 212 | 6 | 18.7 | 120 | 18 | 3.4 | 320 | 71 | |
| 24 | 9 | 18 | 17.7 | 60 | 16.9 | 141 | 14.9 | 0.4 | 0.8 | 11 | 7 | 114 | 19 | 0.62 | 0.5 | 1.4A | 325 | 7 | 0.5 | 81 | 9 | 0.6 | 208 | 62 | |
| 24 | 11 | 24 | 59.5 | 62 | 15.8 | 151 | 11.8 | 77.9 | 2.6 | 14 | 6 | 253 | 36 | 0.42 | 1.7 | 1.3B | 347 | 10 | 3.2 | 82 | 27 | 1.5 | 238 | 61 | |
| 24 | 16 | 2 | 46.2 | 60 | 58.1 | 150 | 39.4 | 14.8 | 1.5 | 1 | 5 | 58 | 40 | 0.64 | 0.4 | 1.1A | 261 | 2 | 0.6 | 150 | 3 | 0.7 | 18 | 69 | |
| 24 | 18 | 52 | 58.9 | 60 | 13.3 | 141 | 19.6 | 3.2 | 0.9 | 5 | 124 | 18 | 0.61 | 0.7 | 1.1A | 296 | 8 | 0.6 | 33 | 15 | 1.1 | 179 | 73 | | |
| 24 | 21 | 41 | 29.2 | 60 | 18.2 | 140 | 58.2 | 0.4 | 0.4A | 6 | 2 | 135 | 17 | 0.36 | 0.6 | 2.6B | 268 | 0 | 1.2 | 358 | 6 | 0.7 | 178 | 84 | |
| 25 | 1 | 44 | 13.0 | 59 | 6.4 | 137 | 28.9 | 10.5 | 2.0 | 9 | 4 | 341 | 88 | 0.36 | 9.6 | 2.1D | 114 | 6 | 5.9 | 205 | 8 | 18.2 | 348 | 80 | |
| 25 | 2 | 7 | 40.1 | 60 | 20.6 | 152 | 43.1 | 0.0 | 0.5A | 6 | 3 | 197 | 19 | 0.54 | 7.1 | 5.5D | 33 | 10 | 0.7 | 295 | 38 | 16.7 | 135 | 50 | |
| 25 | 4 | 18 | 55.2 | 60 | 16.8 | 141 | 20.7 | 13.5 | 0.6A | 6 | 5 | 152 | 16 | 0.17 | 1.8 | 1.9B | 330 | 12 | 0.7 | 81 | 37 | 1.2 | 227 | 47 | |
| 25 | 4 | 41 | 54.0 | 61 | 42.2 | 149 | 35.4 | 7.3 | 1.8 | 22 | 12 | 86 | 16 | 0.92 | 0.5 | 0.7A | 174 | 16 | 0.9 | 271 | 24 | 0.4 | 53 | 61 | |
| 25 | 14 | 47 | 48.3 | 60 | 5.8 | 141 | 8.1 | 4.0 | 0.5A | 6 | 5 | 119 | 4 | 0.57 | 0.5 | 0.6A | 280 | 4 | 0.5 | 11 | 21 | 0.8 | 180 | 69 | |
| 25 | 14 | 52 | 11.5 | 60 | 13.1 | 141 | 13.9 | 8.4 | 0.7 | 12 | 5 | 107 | 13 | 0.29 | 0.7 | 0.8A | 291 | 5 | 0.5 | 25 | 35 | 0.8 | 194 | 54 | |
| 25 | 18 | 20 | 0.9 | 60 | 14.0 | 141 | 16.3 | 9.9 | 0.8 | 12 | 5 | 107 | 15 | 0.38 | 0.6 | 0.8A | 293 | 6 | 0.6 | 28 | 35 | 0.8 | 195 | 54 | |
| 25 | 21 | 19 | 55.5 | 61 | 26.3 | 146 | 51.2 | 19.1 | 2.9 | 22 | 9 | 57 | 44 | 0.57 | 0.4 | 0.9A | 193 | 1 | 0.8 | 283 | 9 | 0.5 | 97 | 81 | |
| 25 | 21 | 45 | 50.0 | 60 | 10.7 | 141 | 3.9 | 8.7 | 0.8 | 7 | 5 | 137 | 3 | 0.36 | 0.6 | 0.6A | 290 | 9 | 0.6 | 192 | 41 | 1.4 | 30 | 48 | |
| 25 | 23 | 9 | 11.6 | 61 | 12.4 | 148 | 57.2 | 31.6 | 2.0 | 28 | 15 | 74 | 33 | 0.58 | 0.5 | 0.5A | 261 | 4 | 0.6 | 146 | 24 | 0.8 | 359 | 56 | |
| 26 | 0 | 1 | 6.2 | 60 | 45.2 | 140 | 29.8 | 16.6 | 1.0A | 5 | 1 | 214 | 51 | 0.02 | 3.0 | 6.0D | 42 | 0 | 5.7 | 132 | 13 | 1.0 | 312 | 77 | |
| 26 | 1 | 2 | 30.8 | 60 | 3.5 | 141 | 19.4 | 11.5 | 1.2A | 12 | 9 | 183 | 11 | 0.44 | 0.7 | 0.4A | 296 | 0 | 0.5 | 26 | 6 | 1.2 | 206 | 84 | |
| 26 | 1 | 22 | 30.5 | 60 | 30.2 | 145 | 8.4 | 16.4 | 1.4 | 12 | 9 | 168 | 5 | 0.52 | 0.5 | 0.5A | 10 | 13 | 0.9 | 106 | 26 | 0.6 | 256 | 61 | |
| 26 | 2 | 5 | 36.1 | 60 | 3.3 | 139 | 10.1 | 12.9 | 1.4A | 9 | 4 | 215 | 28 | 0.69 | 1.9 | 1.6B | 134 | 8 | 0.9 | 230 | 37 | 4.1 | 34 | 52 | |
| 26 | 2 | 10 | 35.6 | 60 | 18.8 | 140 | 45.4 | 8.7 | 1.1 | 10 | 7 | 154 | 23 | 0.30 | 0.6 | 1.2A | 298 | 10 | 0.6 | 31 | 19 | 0.7 | 182 | 68 | |
| 26 | 2 | 41 | 24.8 | 60 | 17.3 | 140 | 48.3 | 9.7 | 0.8A | 10 | 4 | 140 | 20 | 0.36 | 1.2 | 1.8B | 288 | 3 | 0.8 | 20 | 33 | 0.9 | 193 | 57 | |
| 26 | 6 | 40 | 36.7 | 61 | 18.5 | 146 | 46.3 | 19.0 | 2.0 | 21 | 13 | 66 | 31 | 0.56 | 0.4 | 0.7A | 192 | 4 | 0.6 | 283 | 12 | 0.5 | 84 | 77 | |
| 26 | 7 | 33 | 43.7 | 60 | 16.0 | 141 | 6.6 | 9.5 | 2.4 | 16 | 3 | 120 | 13 | 0.26 | 0.6 | 0.9A | 302 | 9 | 0.7 | 36 | 27 | 0.8 | 195 | 61 | |
| 26 | 10 | 55 | 47.3 | 60 | 14.1 | 141 | 4.4 | 10.2 | 1.6 | 13 | 9 | 118 | 9 | 0.38 | 0.6 | 0.7A | 321 | 24 | 0.4 | 67 | 32 | 0.7 | 201 | 48 | |
| 26 | 12 | 34 | 53.5 | 59 | 36.8 | 153 | 1.3 | 93.2 | 2.7 | 17 | 13 | 149 | 65 | 0.30 | 1.6 | 1.5B | 320 | 1 | 1.2 | 81 | 32 | 3.0 | 229 | 47 | |
| 26 | 12 | 56 | 37.6 | 61 | 15.7 | 148 | 34.3 | 35.7 | 1.8 | 21 | 10 | 91 | 18 | 0.44 | 0.5 | 0.5A | 204 | 29 | 0.7 | 94 | 31 | 0.6 | 327 | 45 | |
| 26 | 14 | 43 | 54.0 | 60 | 51.8 | 152 | 32.3 | 10.0 | 1.1 | 11 | 11 | 102 | 33 | 1.06 | 0.9 | 1.2A | 194 | 4 | 0.5 | 102 | 29 | 1.3 | 291 | 61 | |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JANUARY 1984 | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-------|------|------|--------|-----|-----|-------|-----|------|-----|------|-----|-------|-----|-----|-----|------|-----|------|------|------|-----|------|-----|
| 1984 | ORIGIN TIME | LAT N | | | LONG W | | | DEPTH | | | MAG | | | NP NS | | | GAP | | | | | | | | |
| | | HR | MN | SEC | DEG | MIN | DEG | MIN | DEG | MIN | DEG | MIN | DEG | MIN | SEZ | Q | AZ1 | DIP1 | SEI | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 |
| JAN 26 14 56 22.1 | 61 11.2 | 152 | 7.7 | 1.5 | -0.6A | 3 | 2 | 0.01 | 1.5 | 6.1 | D | 261 | 4 | 1.8 | 322 | 12 | 0.8 | 152 | 59 | 10.3 | | | | | |
| 26 15 25 38.0 | 59 29.6 | 152 | 39.1 | 64.0 | 2.6 | 18 | 12 | 142 | 61 | 0.45 | 1.5 | 2.3 | B | 322 | 3 | 1.1 | 261 | 42 | 2.2 | 62 | 57 | 3.8 | | | |
| 26 15 36 41.3 | 59 48.9 | 152 | 55.5 | 86.3 | 2.9 | 20 | 8 | 142 | 41 | 0.33 | 1.4 | 1.4 | B | 147 | 2 | 1.1 | 261 | 42 | 2.2 | 55 | 43 | 2.8 | | | |
| 26 21 9 32.7 | 61 42.7 | 149 | 56.1 | 45.7 | 1.8 | 16 | 9 | 152 | 7 | 0.46 | 0.7 | 0.9 | A | 275 | 2 | 0.7 | 5 | 17 | 1.3 | 178 | 73 | 1.7 | | | |
| 26 22 14 42.2 | 60 20.7 | 140 | 22.5 | 1.1 | 2.6 | 18 | 9 | 173 | 28 | 0.56 | 0.6 | 1.0 | A | 81 | 8 | 0.7 | 317 | 12 | 0.5 | 193 | 53 | 1.6 | | | |
| 27 1 43 23.4 | 60 9.0 | 148 | 33.0 | 2.7 | 1.9 | 27 | 11 | 179 | 59 | 0.55 | 0.5 | 0.7 | A | 337 | 1 | 0.9 | 261 | 30 | 0.5 | 69 | 57 | 1.5 | | | |
| 27 5 42 6.8 | 60 12.0 | 140 | 58.1 | 9.6 | 1.2 | 15 | 7 | 119 | 6 | 0.40 | 0.9 | 0.7 | A | 311 | 30 | 0.6 | 81 | 34 | 0.7 | 198 | 33 | 2.0 | | | |
| 27 8 57 36.3 | 60 12.5 | 141 | 32.6 | 11.1 | 1.0 | 11 | 5 | 121 | 8 | 0.57 | 0.7 | 0.7 | A | 311 | 18 | 0.7 | 47 | 19 | 1.4 | 180 | 63 | 1.3 | | | |
| 27 10 10 19.1 | 61 16.7 | 152 | 11.1 | 4.1 | 0.3 | 3 | 3 | 284 | 2 | 0.02 | 1.2 | 1.1 | A | 199 | 5 | 0.9 | 293 | 39 | 2.6 | 103 | 51 | 1.6 | | | |
| 27 10 17 53.1 | 61 8.6 | 152 | 14.8 | 8.3 | -0.3A | 3 | 3 | 312 | 11 | 0.04 | 1.5 | 2.2 | B | 333 | 9 | 1.5 | 261 | 30 | 1.9 | 79 | 54 | 4.3 | | | |
| 27 15 46 17.6 | 60 10.6 | 141 | 5.6 | 11.1 | 1.4 | 15 | 10 | 109 | 4 | 0.39 | 0.5 | 0.4 | A | 303 | 16 | 0.4 | 204 | 28 | 1.1 | 59 | 57 | 0.6 | | | |
| 27 16 16 38.6 | 60 59.5 | 146 | 59.1 | 18.1 | 2.1 | 19 | 13 | 59 | 12 | 0.67 | 0.3 | 0.6 | A | 196 | 1 | 0.6 | 287 | 11 | 0.5 | 101 | 79 | 1.1 | | | |
| 27 16 59 17.5 | 60 37.9 | 137 | 49.8 | 14.6 | 1.7A | 6 | 5 | 282 | 125 | 0.33 | 2.4 | 2.2 | B | 48 | 0 | 3.4 | 138 | 42 | 5.9 | 318 | 48 | 1.8 | | | |
| 27 17 12 23.4 | 59 47.2 | 150 | 46.0 | 15.1 | 1.1 | 11 | 5 | 124 | 7 | 0.32 | 0.8 | 0.6 | A | 210 | 3 | 0.6 | 119 | 19 | 1.5 | 309 | 71 | 1.1 | | | |
| 27 17 26 20.5 | 60 28.5 | 152 | 18.0 | 23.1 | 0.4A | 5 | 3 | 114 | 0 | 0.15 | 1.2 | 1.1 | A | 47 | 25 | 1.3 | 156 | 36 | 1.0 | 290 | 44 | 2.8 | | | |
| 28 1 22 43.4 | 61 50.5 | 149 | 35.7 | 10.0 | 1.7 | 16 | 6 | 173 | 26 | 0.55 | 0.6 | 0.9 | A | 177 | 2 | 1.1 | 268 | 17 | 0.6 | 80 | 73 | 1.9 | | | |
| 28 4 38 11.4 | 60 10.7 | 141 | 8.9 | 10.4 | 0.7A | 6 | 3 | 107 | 7 | 0.23 | 1.2 | 0.8 | A | 179 | 26 | 2.5 | 284 | 28 | 1.0 | 53 | 50 | 1.3 | | | |
| 28 5 52 36.5 | 60 19.6 | 140 | 44.1 | 11.9 | 1.0A | 7 | 4 | 157 | 25 | 0.18 | 1.6 | 2.0 | B | 321 | 11 | 1.0 | 81 | 28 | 1.5 | 216 | 49 | 4.3 | | | |
| 28 6 53 41.3 | 61 15.8 | 150 | 38.6 | 45.8 | 1.7 | 15 | 6 | 66 | 23 | 0.30 | 0.5 | 1.7 | B | 28 | 3 | 0.9 | 118 | 5 | 0.7 | 267 | 84 | 3.2 | | | |
| 28 6 58 18.6 | 61 4.4 | 152 | 23.1 | 1.8 | 1.0 | 8 | 5 | 196 | 22 | 0.86 | 1.1 | 1.1 | A | 207 | 20 | 0.6 | 100 | 38 | 1.5 | 318 | 45 | 2.6 | | | |
| 28 9 12 58.2 | 60 58.8 | 149 | 55.1 | 39.0 | 1.8 | 23 | 6 | 92 | 35 | 0.48 | 0.6 | 0.6 | A | 45 | 16 | 0.6 | 144 | 31 | 1.0 | 291 | 54 | 1.2 | | | |
| 28 13 32 45.6 | 60 14.6 | 140 | 45.9 | 14.1 | 0.9A | 8 | 2 | 141 | 18 | 0.26 | 1.4 | 1.4 | B | 311 | 11 | 1.1 | 51 | 42 | 1.4 | 209 | 46 | 3.4 | | | |
| 28 14 49 13.9 | 60 24.0 | 141 | 21.6 | 16.0 | 1.6 | 16 | 4 | 115 | 22 | 0.60 | 0.6 | 0.9 | A | 312 | 3 | 0.7 | 44 | 25 | 0.9 | 216 | 65 | 1.8 | | | |
| 28 15 7 12.6 | 59 34.5 | 151 | 18.0 | 9.5 | 1.1 | 10 | 4 | 126 | 7 | 0.30 | 1.0 | 0.7 | A | 81 | 22 | 0.5 | 153 | 34 | 1.8 | 316 | 47 | 0.9 | | | |
| 28 19 27 49.1 | 60 16.5 | 140 | 43.8 | 14.9 | 1.0 | 8 | 4 | 150 | 22 | 0.18 | 1.2 | 1.6 | B | 302 | 12 | 0.7 | 40 | 33 | 1.2 | 195 | 54 | 3.6 | | | |
| 28 21 4 0.6 | 60 12.0 | 141 | 16.0 | 14.6 | 0.9A | 6 | 2 | 177 | 14 | 0.16 | 2.7 | 1.4 | C | 200 | 19 | 5.3 | 299 | 23 | 1.0 | 75 | 59 | 2.4 | | | |
| 29 0 50 18.6 | 61 48.4 | 151 | 11.1 | 7.0 | 2.4 | 20 | 13 | 96 | 27 | 0.54 | 0.8 | 1.0 | A | 81 | 6 | 0.8 | 168 | 28 | 1.2 | 340 | 61 | 2.0 | | | |
| 29 2 36 3.9 | 60 36.6 | 142 | 45.0 | 0.9 | 1.1A | 10 | 7 | 81 | 19 | 0.76 | 0.4 | 4.5 | C | 30 | 1 | 0.6 | 300 | 1 | 0.8 | 165 | 89 | 8.4 | | | |
| 29 5 43 32.1 | 60 20.2 | 140 | 22.0 | 6.8 | 1.3 | 11 | 9 | 173 | 27 | 0.56 | 0.9 | 1.1 | A | 325 | 13 | 0.5 | 81 | 24 | 1.2 | 214 | 53 | 2.2 | | | |
| 29 11 23 22.9 | 59 55.7 | 141 | 28.9 | 25.2 | 1.3 | 10 | 5 | 183 | 33 | 0.72 | 1.0 | 1.5 | B | 28 | 4 | 1.9 | 119 | 20 | 1.3 | 287 | 70 | 3.0 | | | |
| 29 14 21 57.7 | 61 8.5 | 152 | 13.0 | 7.8 | 0.0A | 3 | 3 | 311 | 10 | 0.03 | 1.5 | 2.2 | B | 327 | 13 | 1.5 | 261 | 29 | 1.9 | 82 | 51 | 4.0 | | | |
| 30 3 13 38.9 | 59 46.3 | 151 | 8.0 | 46.1 | 1.3 | 10 | 5 | 79 | 8 | 0.17 | 1.2 | 1.4 | B | 28 | 4 | 1.2 | 295 | 37 | 1.4 | 123 | 53 | 3.1 | | | |
| 30 4 38 37.6 | 61 29.3 | 141 | 23.1 | 5.0 | 1.2 | 6 | 3 | 246 | 58 | 0.19 | 3.5 | 25.0 | D | 311 | 2 | 1.5 | 41 | 4 | 3.1 | 194 | 86 | 75.5 | | | |
| 30 5 24 8.5 | 62 40.2 | 148 | 13.6 | 42.5 | 3.0 | 13 | 6 | 232 | 96 | 0.56 | 2.3 | 16.6 | D | 353 | 0 | 4.2 | 83 | 2 | 1.7 | 263 | 88 | 31.2 | | | |
| 30 7 51 14.0 | 60 16.7 | 140 | 54.9 | 10.6 | 1.5 | 12 | 5 | 133 | 42 | 0.48 | 0.6 | 1.0 | A | 42 | 7 | 1.0 | 311 | 12 | 0.6 | 162 | 76 | 2.0 | | | |
| 30 18 39 8.8 | 62 58.9 | 149 | 5.9 | 95.1 | 3.0 | 12 | 6 | 147 | 137 | 0.60 | 3.2 | 7.3 | D | 280 | 7 | 2.5 | 13 | 18 | 3.7 | 170 | 71 | 14.5 | | | |
| 30 21 5 16.2 | 59 15.1 | 137 | 19.8 | 11.3 | 2.4 | 8 | 2 | 201 | 91 | 0.18 | 4.3 | 2.7 | C | 198 | 20 | 8.4 | 100 | 22 | 2.0 | 326 | 60 | 4.7 | | | |
| 30 21 22 40.2 | 59 19.5 | 137 | 20.6 | 4.4 | 1.3 | 4 | 4 | 340 | 88 | 0.14 | 3.5 | 3.7 | C | 94 | 5 | 2.7 | 0 | 40 | 5.4 | 190 | 50 | 7.9 | | | |
| 31 8 46 30.9 | 60 20.6 | 141 | 24.9 | 16.7 | 1.9 | 15 | 4 | 109 | 18 | 0.67 | 0.6 | 0.9 | A | 305 | 8 | 0.8 | 37 | 15 | 1.0 | 188 | 73 | 1.8 | | | |
| 31 10 19 53.0 | 59 28.9 | 151 | 12.6 | 55.4 | 1.2A | 10 | 5 | 174 | 5 | 0.20 | 2.1 | 1.1 | B | 140 | 9 | 3.4 | 81 | 38 | 1.2 | 241 | 42 | 2.0 | | | |
| 31 16 51 12.9 | 62 22.2 | 149 | 34.2 | 45.7 | 2.3 | 18 | 5 | 210 | 82 | 0.44 | 1.2 | 2.8 | C | 95 | 6 | 1.0 | 4 | 6 | 2.1 | 230 | 81 | 5.3 | | | |
| 31 19 32 25.7 | 60 8.2 | 141 | 7.3 | 14.6 | 2.2 | 13 | 5 | 138 | 43 | 0.56 | 0.8 | 1.1 | A | 107 | 1 | 0.6 | 197 | 19 | 1.4 | 71 | 2.1 | | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - FEBRUARY 1984

| ORIGIN TIME 1984 | LAT N HR MN SEC | LONG W DEG MIN SEC | DEPTH KM | MAG DEG MIN | NP NS KM | GAP DEG | DI KM | RMS SEC | SEH | | | SEZ Q | | | AZI DIP1 | | | SE1 | | | AZ2 DIP2 | | | SE2 | | | AZ3 DIP3 | | |
|---------------------|-----------------------|--------------------------|-------------|----------------|-------------|------------|----------|------------|------|-----|------|-------|-----|-----|----------|-----|-----|-----|-----|-----|----------|-----|-----|-----|-----|-----|----------|--|--|
| | | | | | | | | | DEG | SEC | DEG | DEG | SEC | DEG | SEC | DEG | SEC | DEG | SEC | DEG | SEC | DEG | SEC | DEG | SEC | DEG | SEC | | |
| FEB 1 4 30 22.9 | 60 23.2 | 140 48.6 | 6.5 | 1.4 | 12 | 6 | 150 | 40 | 0.76 | 0.5 | 0.9 | A | 81 | 8 | 0.8 | 322 | 10 | 0.4 | 198 | 59 | 1.6 | | | | | | | | |
| 1 10 11 2.4 | 60 20.8 | 141 15.8 | 13.5 | 1.5 | 11 | 5 | 1.8 | 27 | 0.54 | 0.7 | 1.0 | A | 104 | 9 | 0.7 | 1.1 | 22 | 1.1 | 215 | 66 | 2.1 | | | | | | | | |
| 1 15 41 38.8 | 61 50.9 | 148 41.7 | 20.2 | 2.3 | 29 | 7 | 90 | 20 | 0.58 | 0.5 | 0.9 | A | 266 | 13 | 0.6 | 359 | 13 | 1.0 | 133 | 71 | 1.8 | | | | | | | | |
| 1 20 13 19.2 | 59 44.8 | 152 56.5 | 88.2 | 2.5 | 17 | 6 | 206 | 49 | 0.18 | 1.6 | 1.6 | B | 314 | 7 | 1.5 | 49 | 34 | 3.2 | 214 | 55 | 2.8 | | | | | | | | |
| 1 20 29 9.5 | 60 14.7 | 141 4.6 | 8.5 | 0.7A | 7 | 1 | 119 | 25 | 0.11 | 4.1 | 5.8 | D | 92 | 7 | 1.2 | 358 | 34 | 2.5 | 192 | 55 | 13.0 | | | | | | | | |
| 1 21 21 3.8 | 61 43.9 | 148 43.5 | 20.6 | 1.3 | 12 | 5 | 172 | 21 | 0.58 | 0.7 | 1.4 | B | 265 | 14 | 0.8 | 359 | 14 | 1.1 | 132 | 70 | 2.8 | | | | | | | | |
| 2 4 17 30.2 | 61 12.4 | 149 28.4 | 32.7 | 1.9 | 25 | 13 | 50 | 6 | 0.65 | 0.4 | 0.6 | A | 302 | 10 | 0.6 | 209 | 12 | 0.6 | 70 | 74 | 1.2 | | | | | | | | |
| 2 6 31 36.3 | 60 16.6 | 143 7.2 | 15.9 | 1.7 | 17 | 9 | 156 | 18 | 0.86 | 0.5 | 1.1 | A | 283 | 3 | 0.8 | 148 | 86 | 2.1 | | | | | | | | | | | |
| 2 7 36 25.5 | 62 16.8 | 151 15.5 | 82.9 | 2.6 | 19 | 9 | 100 | 36 | 0.35 | 1.1 | 1.7 | B | 285 | 2 | 1.4 | 16 | 25 | 1.6 | 191 | 65 | 3.3 | | | | | | | | |
| 2 20 40 40.9 | 61 37.5 | 136 20.2 | 30.4 | 2.9A | 9 | 4 | 306 | 273 | 0.32 | 4.3 | 25.0 | D | 352 | 0 | 6.9 | 262 | 0 | 8.0 | 0 | 90 | 99.0 | | | | | | | | |
| 3 1 41 55.7 | 60 39.1 | 143 10.7 | 10.1 | 1.1 | 10 | 5 | 99 | 29 | 0.60 | 0.5 | 25.0 | D | 261 | 0 | 0.6 | 329 | 0 | 0.8 | 0 | 90 | 70.7 | | | | | | | | |
| 3 3 13 25.5 | 60 57.1 | 149 30.8 | 31.9 | 1.7 | 27 | 12 | 61 | 28 | 0.60 | 0.3 | 0.6 | A | 307 | 3 | 0.6 | 216 | 15 | 0.5 | 48 | 75 | 1.2 | | | | | | | | |
| 3 7 13 58.2 | 59 0.8 | 137 3.5 | 3.3 | 2.5 | 9 | 6 | 169 | 115 | 0.49 | 3.8 | 1.9 | C | 35 | 0 | 7.0 | 125 | 17 | 1.9 | 305 | 73 | 3.7 | | | | | | | | |
| 3 7 30 25.7 | 60 11.1 | 141 4.4 | 7.9 | 1.1 | 11 | 7 | 111 | 14 | 0.47 | 0.8 | 1.3 | A | 289 | 0 | 0.5 | 19 | 31 | 0.6 | 199 | 59 | 2.7 | | | | | | | | |
| 3 16 59 40.6 | 61 7.7 | 150 40.6 | 13.9 | 1.5 | 15 | 8 | 57 | 38 | 0.57 | 0.3 | 0.9 | A | 129 | 2 | 0.6 | 220 | 9 | 0.5 | 27 | 81 | 1.7 | | | | | | | | |
| 3 18 25 42.2 | 61 15.9 | 152 13.5 | 9.5 | 0.7 | 5 | 2 | 189 | 4 | 0.31 | 1.6 | 0.8 | B | 358 | 10 | 1.0 | 92 | 24 | 3.3 | 247 | 64 | 0.8 | | | | | | | | |
| 3 23 17 17.4 | 62 4.7 | 150 50.8 | 60.5 | 3.9 | 16 | 1 | 131 | 37 | 0.29 | 1.3 | 2.1 | B | 323 | 10 | 1.7 | 81 | 16 | 1.3 | 210 | 57 | 3.9 | | | | | | | | |
| 4.1 MB | 4.3 ML | ATWC | 100.7 | 2.9 | 19 | 5 | 183 | 23 | 0.22 | 1.4 | 2.1 | B | 328 | 9 | 1.3 | 261 | 17 | 2.2 | 89 | 60 | 3.6 | | | | | | | | |
| 4 0 29 14.6 | 59 58.6 | 152 49.8 | 100.7 | 2.9 | 19 | 5 | 183 | 23 | 0.22 | 1.4 | 2.1 | B | 328 | 9 | 1.3 | 261 | 17 | 2.2 | 89 | 60 | 3.6 | | | | | | | | |
| 4 7 2 33.1 | 59 57.4 | 147 21.8 | 31.4 | 2.4 | 24 | 5 | 101 | 9 | 0.56 | 0.8 | 0.7 | A | 229 | 16 | 1.0 | 128 | 33 | 1.5 | 341 | 52 | 1.1 | | | | | | | | |
| 4 10 50 6.2 | 61 12.8 | 150 44.8 | 52.2 | 1.9 | 21 | 11 | 51 | 28 | 0.46 | 0.4 | 1.0 | A | 92 | 3 | 0.6 | 183 | 8 | 0.7 | 342 | 81 | 1.8 | | | | | | | | |
| 4 16 25 21.3 | 60 18.2 | 141 11.5 | 7.1 | 0.9 | 5 | 4 | 192 | 19 | 0.16 | 0.8 | 3.8 | C | 300 | 3 | 0.9 | 30 | 4 | 1.5 | 173 | 85 | 7.2 | | | | | | | | |
| 4 20 31 44.2 | 61 29.1 | 140 40.8 | 3.8 | 1.9 | 10 | 5 | 262 | 68 | 0.49 | 1.6 | 20.8 | D | 109 | 1 | 1.6 | 19 | 3 | 2.1 | 217 | 87 | 39.1 | | | | | | | | |
| 5 3 27 4.6 | 59 36.2 | 151 4.1 | 41.5 | 1.3 | 12 | 8 | 152 | 4 | 0.24 | 1.3 | 1.5 | B | 81 | 7 | 0.9 | 315 | 31 | 1.2 | 179 | 43 | 3.1 | | | | | | | | |
| 5 4 54 7.3 | 60 16.4 | 140 44.2 | 11.7 | 1.1 | 11 | 7 | 142 | 21 | 0.31 | 0.8 | 1.1 | A | 298 | 4 | 0.6 | 31 | 32 | 0.9 | 202 | 58 | 2.4 | | | | | | | | |
| 5 9 48 34.9 | 61 31.3 | 149 53.0 | 41.7 | 1.7 | 19 | 8 | 67 | 14 | 0.41 | 0.5 | 0.9 | A | 107 | 1 | 0.6 | 16 | 6 | 1.0 | 206 | 84 | 1.7 | | | | | | | | |
| 5 17 8 29.7 | 61 52.7 | 149 27.8 | 58.1 | 2.2 | 23 | 10 | 163 | 34 | 0.37 | 0.9 | 1.5 | B | 267 | 1 | 0.7 | 357 | 9 | 1.6 | 171 | 81 | 2.7 | | | | | | | | |
| 5 17 27 16.9 | 59 56.0 | 141 25.5 | 0.9 | 0.6A | 7 | 5 | 264 | 22 | 0.49 | 0.9 | 2.0 | B | 12 | 0 | 1.6 | 282 | 6 | 0.9 | 102 | 84 | 3.0 | | | | | | | | |
| 5 17 57 27.9 | 60 5.6 | 141 8.8 | 16.3 | 0.4A | 4 | 4 | 223 | 9 | 0.29 | 3.4 | 1.0 | C | 23 | 13 | 6.5 | 283 | 37 | 0.9 | 129 | 50 | 1.4 | | | | | | | | |
| 5 18 54 53.5 | 60 13.1 | 141 36.9 | 7.4 | 1.1 | 15 | 8 | 94 | 11 | 0.68 | 0.4 | 0.6 | A | 216 | 6 | 0.8 | 307 | 11 | 0.7 | 98 | 77 | 1.1 | | | | | | | | |
| 5 20 37 57.6 | 60 12.8 | 141 37.1 | 9.9 | 0.9 | 6 | 137 | 11 | 0.13 | 0.6 | 0.6 | A | 309 | 15 | 0.5 | 207 | 38 | 1.1 | 56 | 48 | 1.2 | | | | | | | | | |
| 5 21 22 8.5 | 60 16.2 | 140 59.8 | 10.0 | 1.1A | 9 | 4 | 128 | 13 | 0.26 | 0.9 | 1.4 | B | 85 | 4 | 0.9 | 352 | 31 | 0.6 | 182 | 59 | 3.0 | | | | | | | | |
| 5 22 2 17.3 | 60 22.0 | 140 44.6 | 6.3 | 1.0A | 9 | 6 | 161 | 29 | 0.68 | 0.9 | 1.7 | B | 81 | 12 | 1.0 | 322 | 14 | 0.7 | 199 | 56 | 3.1 | | | | | | | | |
| 5 23 2 28.7 | 60 18.2 | 141 6.0 | 14.0 | 0.9 | 8 | 7 | 126 | 17 | 0.27 | 0.8 | 1.3 | A | 332 | 18 | 0.6 | 81 | 19 | 0.7 | 208 | 58 | 2.8 | | | | | | | | |
| 5 23 3 0.6 | 60 16.8 | 140 56.3 | 4.2 | 0.7A | 7 | 7 | 134 | 15 | 0.21 | 0.8 | 2.2 | B | 320 | 13 | 0.6 | 53 | 14 | 0.8 | 189 | 71 | 4.3 | | | | | | | | |
| 5 23 26 53.3 | 60 58.0 | 148 35.3 | 31.3 | 1.5 | 18 | 9 | 88 | 18 | 0.60 | 0.4 | 0.6 | A | 157 | 1 | 0.7 | 261 | 14 | 0.7 | 63 | 70 | 1.1 | | | | | | | | |
| 6 1 10 40.1 | 61 45.4 | 149 12.1 | 18.7 | 2.5 | 8 | 152 | 17 | 0.53 | 0.6 | 0.8 | A | 169 | 9 | 1.0 | 264 | 27 | 0.6 | 62 | 61 | 1.6 | | | | | | | | | |
| 6 3 12 30.3 | 60 17.9 | 141 0.3 | 6.3 | 0.7A | 6 | 4 | 159 | 16 | 0.15 | 0.8 | 2.4 | B | 44 | 7 | 1.3 | 313 | 13 | 0.9 | 162 | 75 | 4.6 | | | | | | | | |
| 6 5 29 44.2 | 60 19.0 | 140 48.1 | 3.6 | 0.4A | 5 | 2 | 174 | 22 | 0.04 | 1.2 | 3.1 | C | 296 | 9 | 1.1 | 28 | 16 | 1.5 | 178 | 72 | 6.1 | | | | | | | | |
| 6 7 2 31.6 | 59 53.8 | 140 41.8 | 3.6 | 0.9 | 11 | 4 | 183 | 30 | 0.38 | 0.6 | 1.4 | B | 287 | 0 | 0.5 | 197 | 14 | 1.0 | 17 | 76 | 2.7 | | | | | | | | |
| 6 7 16 31.8 | 61 57.9 | 148 51.5 | 14.8 | 1.8 | 24 | 9 | 171 | 0 | 0.64 | 0.7 | 1.2 | A | 1 | 11 | 1.1 | 266 | 26 | 0.5 | 112 | 62 | 2.5 | | | | | | | | |
| 6 7 48 18.6 | 62 58.2 | 150 42.2 | 132.5 | 4.2 | 13 | 2 | 121 | 118 | 0.26 | 1.8 | 7.8 | D | 291 | 7 | 2.2 | 22 | 8 | 1.8 | 160 | 79 | 14.9 | | | | | | | | |
| 6 8 13 15.8 | 60 14.9 | 141 1.7 | 11.1 | 0.7 | 9 | 7 | 123 | 11 | 0.20 | 0.8 | 1.0 | A | 81 | 21 | 0.8 | 327 | 25 | 0.6 | 200 | 51 | 2.3 | | | | | | | | |
| 6 8 31 46.6 | 60 8.6 | 140 54.1 | 13.8 | 0.9 | 10 | 5 | 112 | 7 | 0.38 | 0.8 | 0.5 | A | 194 | 30 | 1.6 | 310 | 37 | 0.8 | 77 | 38 | 0.7 | | | | | | | | |
| 6 10 10 32.4 | 59 38.6 | 150 41.1 | 10.1 | 1.1 | 10 | 4 | 222 | 7 | 0.31 | 1.0 | 1.0 | A | 220 | 10 | 0.7 | 125 | 27 | 1.9 | 329 | 61 | 1.8 | | | | | | | | |

FELT (II-III) IN THE ANCHORAGE-TALKEETNA AREA.

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - FEBRUARY 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | D1 | RMS | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 |
|----------------------|---------|---|-------------|-------|-------|-----|-----|-----|------|------|-------|--------|-----|-----|------|-----|-----|------|-----|-----|------|-----|
| | | | | | | | | | | | | | | | | | | | | | | |
| 1984 FEB 6 12 6 28.7 | 59 45.5 | | 150 51.5 | 45.4 | 1.5 | 13 | 6 | 96 | 2 | 0.23 | 1.0 | 1.0 A | 18 | 19 | 1.0 | 272 | 39 | 1.4 | 128 | 45 | 2.4 | |
| 6 14 42 28.9 | 60 23.1 | | 140 49.0 | 4.5 | 1.0 | 12 | 6 | 149 | 28 | 0.68 | 0.5 | 1.6 B | 81 | 5 | 0.8 | 340 | 11 | 0.6 | 193 | 74 | 3.1 | |
| 6 14 42 28.9 | 60 23.1 | | 140 49.0 | 4.5 | 1.0 | 12 | 6 | 149 | 28 | 0.68 | 0.5 | 1.6 B | 81 | 5 | 0.8 | 340 | 11 | 0.6 | 193 | 74 | 3.1 | |
| 6 15 29 38.0 | 60 15.8 | | 140 55.5 | 9.0 | 1.0 | 13 | 4 | 131 | 14 | 0.21 | 0.6 | 1.0 A | 93 | 5 | 0.7 | 1 | 27 | 0.6 | 193 | 63 | 2.1 | |
| 6 16 9 52.5 | 59 34.6 | | 151 17.9 | 8.0 | 1.0 | 10 | 4 | 126 | 7 | 0.28 | 0.8 | 0.9 A | 32 | 16 | 0.5 | 289 | 39 | 0.8 | 140 | 47 | 2.1 | |
| 6 16 43 52.0 | 60 11.9 | | 141 22.3 | 0.3 | 1.0 A | 7 | 2 | 103 | 8 | 0.31 | 0.7 | 1.8 B | 304 | 3 | 0.6 | 35 | 11 | 1.2 | 199 | 79 | 3.4 | |
| 6 16 54 48.8 | 60 12.9 | | 140 47.3 | 12.7 | 1.3A | 12 | 6 | 133 | 15 | 0.37 | 0.8 | 0.9 A | 290 | 5 | 0.5 | 25 | 43 | 1.0 | 195 | 47 | 2.0 | |
| 6 22 23 33.9 | 59 44.5 | | 140 34.0 | 7.8 | 1.8 | 13 | 4 | 184 | 43 | 0.45 | 1.1 | 1.3 A | 289 | 8 | 0.7 | 193 | 35 | 1.4 | 30 | 54 | 2.8 | |
| 7 1 42 27.0 | 60 14.6 | | 143 7.6 | 11.2 | 0.9 | 7 | 3 | 175 | 17 | 0.68 | 0.9 | 1.1 A | 281 | 12 | 0.9 | 14 | 13 | 1.7 | 150 | 72 | 2.2 | |
| 7 9 28 37.2 | 60 58.1 | | 147 15.9 | 18.8 | 1.9 | 25 | 9 | 51 | 36 | 0.37 | 0.4 | 0.8 A | 288 | 11 | 0.4 | 195 | 12 | 0.7 | 59 | 74 | 1.6 | |
| 7 10 59 57.6 | 60 18.0 | | 143 11.0 | 4.3 | 1.9 | 16 | 5 | 154 | 22 | 0.61 | 0.6 | 2.9 C | 25 | 2 | 1.0 | 295 | 4 | 0.6 | 142 | 86 | 5.4 | |
| 7 12 42 21.3 | 63 12.1 | | 150 34.0 | 102.5 | 3.0 | 10 | 1 | 193 | 145 | 0.23 | 14.0 | 16.6 D | 318 | 19 | 9.9 | 81 | 24 | 3.9 | 203 | 46 | 37.4 | |
| 7 2 55 33.6 | 60 10.3 | | 141 9.3 | 9.5 | 1.4 | 14 | 4 | 105 | 7 | 0.26 | 0.7 | 0.6 A | 289 | 10 | 0.6 | 192 | 37 | 1.5 | 32 | 51 | 0.8 | |
| 7 7 5 35 2.2 | 59 35.6 | | 139 23.3 | 26.6 | 1.0 | 5 | 3 | 187 | 8 | 0.29 | 5.0 | 1.3 C | 45 | 5 | 9.4 | 314 | 10 | 1.3 | 161 | 79 | 2.4 | |
| 7 7 18 47 24.5 | 60 8.4 | | 141 5.9 | 9.6 | 0.5 | 5 | 2 | 122 | 4 | 0.25 | 1.0 | 0.9 A | 4 | 24 | 1.6 | 114 | 37 | 2.2 | 249 | 43 | 1.2 | |
| 7 7 20 8 38.2 | 60 15.2 | | 143 6.2 | 16.0 | 1.4 | 10 | 5 | 170 | 16 | 0.71 | 0.8 | 1.2 A | 280 | 12 | 0.7 | 15 | 24 | 1.1 | 165 | 63 | 2.4 | |
| 7 7 22 47 52.3 | 59 44.4 | | 139 7.3 | 26.0 | 1.0 | 4 | 3 | 207 | 18 | 0.20 | 5.9 | 4.7 C | 317 | 5 | 1.4 | 261 | 35 | 11.8 | 53 | 43 | 2.6 | |
| 8 0 42 5.2 | 60 50.6 | | 140 26.6 | 0.1 | 1.4A | 8 | 2 | 224 | 50 | 0.52 | 2.7 | 3.1 C | 137 | 9 | 1.0 | 261 | 24 | 4.1 | 33 | 48 | 5.6 | |
| 8 1 9 55.5 | 59 58.7 | | 141 42.6 | 7.4 | 1.2A | 9 | 5 | 207 | 19 | 0.47 | 0.7 | 1.2 A | 86 | 2 | 0.6 | 356 | 6 | 1.3 | 194 | 84 | 2.3 | |
| 8 1 19 19.2 | 62 5.2 | | 150 52.0 | 58.5 | 3.1 | 21 | 4 | 93 | 37 | 0.31 | 1.4 | 2.0 B | 310 | 6 | 1.5 | 81 | 17 | 1.2 | 208 | 46 | 3.3 | |
| | | | 3.5 ML ATWC | | | | | | | | | | | | | | | | | | | |
| 8 5 57 16.2 | 61 8.7 | | 152 15.0 | 111.2 | 2.7 | 23 | 5 | 184 | 11 | 0.31 | 1.3 | 1.8 B | 21 | 0 | 1.3 | 111 | 30 | 2.0 | 291 | 60 | 3.6 | |
| 8 6 5 35.8 | 60 16.3 | | 141 6.4 | 6.3 | 1.0A | 7 | 3 | 150 | 14 | 0.17 | 1.1 | 1.8 B | 81 | 13 | 1.3 | 326 | 15 | 0.8 | 201 | 59 | 3.4 | |
| 8 9 30 32.8 | 60 13.7 | | 141 4.3 | 14.1 | 0.6A | 4 | 2 | 176 | 9 | 0.98 | 1.4 | 1.2 B | 80 | 31 | 1.4 | 324 | 36 | 1.1 | 199 | 39 | 3.1 | |
| 8 16 20 3.9 | 60 13.3 | | 141 41.0 | 7.8 | 1.0 | 13 | 3 | 99 | 14 | 0.50 | 0.6 | 0.7 A | 303 | 9 | 0.6 | 211 | 11 | 1.0 | 71 | 76 | 1.4 | |
| 8 18 17 1.5 | 60 10.4 | | 141 17.3 | 12.1 | 1.6 | 15 | 3 | 108 | 11 | 0.25 | 0.5 | 0.6 A | 297 | 23 | 0.6 | 42 | 32 | 0.8 | 178 | 49 | 1.2 | |
| 8 18 17 31.3 | 60 9.6 | | 141 16.5 | 10.6 | 1.1 | 4 | 2 | 142 | 11 | 0.07 | 1.7 | 2.7 B | 302 | 8 | 0.8 | 36 | 28 | 1.8 | 197 | 61 | 5.7 | |
| 8 19 2 40.4 | 60 7.6 | | 141 15.3 | 7.9 | 0.9 | 10 | 3 | 146 | 11 | 0.16 | 1.0 | 0.8 A | 97 | 1 | 0.6 | 188 | 22 | 1.8 | 5 | 68 | 1.5 | |
| 9 0 49 11.4 | 60 46.6 | | 150 7.0 | 41.0 | 1.5 | 22 | 9 | 58 | 30 | 0.35 | 0.4 | 0.9 A | 261 | 7 | 0.6 | 347 | 7 | 0.7 | 124 | 79 | 1.8 | |
| 9 0 56 24.3 | 60 14.3 | | 141 18.2 | 15.6 | 0.9A | 7 | 3 | 106 | 14 | 0.17 | 1.4 | 1.8 B | 311 | 12 | 1.0 | 49 | 33 | 1.8 | 204 | 54 | 4.0 | |
| 9 8 59 43.0 | 60 18.7 | | 140 47.5 | 4.6 | 1.0A | 7 | 2 | 151 | 22 | 0.23 | 1.2 | 2.4 B | 101 | 2 | 1.1 | 10 | 10 | 1.0 | 346 | 39 | 1.0 | |
| 9 9 8 6.4 | 60 39.8 | | 140 32.8 | 10.2 | 0.9A | 7 | 3 | 196 | 54 | 0.77 | 2.3 | 3.1 C | 132 | 4 | 1.4 | 41 | 24 | 4.2 | 238 | 75 | 5.9 | |
| 9 9 44 39.4 | 59 59.7 | | 140 52.3 | 5.9 | 0.8A | 6 | 2 | 182 | 16 | 0.32 | 1.4 | 1.5 B | 117 | 17 | 1.1 | 218 | 30 | 2.3 | 36 | 1.3 | 194 | |
| 9 5 43 24.3 | 60 11.3 | | 140 58.5 | 11.0 | 0.7A | 5 | 3 | 170 | 5 | 0.20 | 1.0 | 0.8 A | 81 | 31 | 0.8 | 187 | 36 | 1.9 | 318 | 42 | 3.6 | |
| 9 7 53 54.3 | 62 2.2 | | 149 4.3 | 30.7 | 2.1 | 10 | 177 | 46 | 0.53 | 0.7 | 0.7 A | 81 | 6 | 0.7 | 346 | 39 | 1.0 | 178 | 50 | 1.5 | | |
| 9 9 11 41 6.6 | 61 37.7 | | 149 54.8 | 41.5 | 2.1 | 24 | 9 | 99 | 3 | 0.37 | 0.7 | 1.0 A | 91 | 2 | 0.9 | 181 | 6 | 1.2 | 343 | 84 | 1.8 | |
| 9 9 12 43 20.0 | 59 18.7 | | 139 1.9 | 27.0 | 1.2 | 10 | 2 | 277 | 18 | 0.27 | 2.9 | 1.7 C | 168 | 10 | 3.7 | 81 | 31 | 6.1 | 275 | 57 | 1.0 | |
| 9 9 16 47 3.8 | 60 9.5 | | 141 13.2 | 10.8 | 0.6A | 6 | 3 | 124 | 27 | 0.42 | 0.9 | 1.5 B | 334 | 1 | 0.7 | 81 | 2 | 0.6 | 221 | 73 | 2.6 | |
| 9 9 16 50 15.5 | 60 16.6 | | 140 47.4 | 9.8 | 1.2 | 10 | 5 | 140 | 19 | 0.24 | 0.7 | 1.4 B | 298 | 5 | 0.7 | 30 | 23 | 0.8 | 196 | 66 | 2.9 | |
| 9 9 22 6 36.0 | 63 8.9 | | 150 26.5 | 116.5 | 2.9 | 10 | 4 | 125 | 142 | 0.41 | 2.0 | 5.1 C | 303 | 10 | 2.7 | 35 | 12 | 2.8 | 174 | 74 | 10.0 | |
| 9 9 22 13 43.9 | 59 18.7 | | 151 30.3 | 10.8 | 0.9A | 9 | 5 | 300 | 18 | 0.16 | 1.5 | 0.8 A | 336 | 29 | 2.5 | 261 | 31 | 1.6 | 115 | 46 | 1.4 | |
| 9 9 22 42 29.7 | 62 12.1 | | 149 19.4 | 39.3 | 2.8 | 27 | 6 | 115 | 66 | 0.48 | 1.0 | 3.6 C | 81 | 7 | 1.1 | 344 | 8 | 1.2 | 209 | 77 | 6.8 | |
| 10 0 5 58.1 | 59 53.7 | | 141 26.3 | 0.1 | 0.8A | 9 | 2 | 218 | 26 | 0.40 | 0.7 | 1.9 B | 346 | 0 | 1.4 | 261 | 3 | 0.8 | 76 | 84 | 3.5 | |
| 10 0 56 37.8 | 60 9.8 | | 141 7.6 | 14.9 | 0.6A | 4 | 2 | 156 | 5 | 0.28 | 0.9 | 0.8 A | 81 | 23 | 1.4 | 324 | 35 | 1.9 | 324 | 46 | 1.0 | |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - FEBRUARY 1984 | | | | | | | | | | | |
|---|---------|--------|-------|------|-------|------|------|-------|-----|-------|--------------|
| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEZ Q | AZ1 DIP1 SE1 |
| | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | SEC | DEG | KM | DEG | SEC | KM |
| FEB 13 | 23 | 32 | 37.4 | 60 | 9.7 | 153 | 26.5 | 147.2 | 3.2 | 21 | 3 |
| 14 5 39 50.9 | 62 17.4 | 149 | 43.6 | 43.5 | 2.2 | 17 | 9 | 127 | 72 | 0.84 | 1.3 |
| 14 7 43 48.8 | 61 26.6 | 150 | 15.7 | 46.2 | 1.8 | 16 | 9 | 89 | 26 | 0.31 | 0.6 |
| 14 9 46 26.5 | 60 4.6 | 139 | 30.3 | 17.7 | 0.9A | 4 | 2 | 239 | 16 | 0.42 | 4.3 |
| 14 14 59 14.5 | 61 43.9 | 149 | 53.2 | 47.1 | 1.6 | 12 | 6 | 196 | 9 | 0.54 | 1.1 |
| 14 18 17 25.8 | 59 46.6 | 150 | 22.1 | 35.5 | 2.8 | 25 | 6 | 151 | 19 | 0.28 | 1.2 |
| | | | | | | | | | | | |
| 14 20 14 58.3 | 61 | 0.1 | 149 | 34.8 | 31.5 | 1.6A | 18 | 6 | 52 | 27 | 0.39 |
| 14 20 38 14.1 | 60 | 23.4 | 140 | 57.6 | 16.1 | 1.3A | 7 | 6 | 147 | 7 | 0.48 |
| 14 21 14 54.8 | 59 | 48.4 | 150 | 30.7 | 36.2 | 1.7 | 14 | 9 | 158 | 14 | 0.63 |
| 14 23 40 39.8 | 61 | 9.2 | 149 | 55.1 | 39.0 | 1.9 | 27 | 10 | 84 | 22 | 0.51 |
| 15 0 24 0.4 | 60 | 12.6 | 140 | 58.8 | 9.2 | 0.8A | 6 | 4 | 120 | 7 | 0.22 |
| 15 2 12 6.7 | 60 | 13.0 | 141 | 9.8 | 9.4 | 0.6A | 7 | 4 | 111 | 10 | 0.10 |
| 15 2 48 15.0 | 59 | 55.7 | 141 | 33.2 | 1.9 | 0.8A | 5 | 2 | 283 | 25 | 1.01 |
| 15 4 35 57.7 | 60 | 10.5 | 143 | 19.2 | 5.1 | 1.0A | 4 | 3 | 267 | 27 | 0.23 |
| 15 9 4 24.2 | 60 | 17.3 | 141 | 10.6 | 11.0 | 0.6A | 9 | 2 | 119 | 17 | 1.15 |
| 15 9 58 59.1 | 61 | 43.1 | 142 | 26.1 | 0.7 | 1.8 | 10 | 5 | 239 | 76 | 0.40 |
| 15 10 31 8.5 | 60 | 11.6 | 140 | 59.8 | 10.0 | 0.7A | 7 | 4 | 116 | 5 | 0.15 |
| 15 10 50 10.1 | 60 | 13.1 | 141 | 8.3 | 13.2 | 1.0 | 11 | 7 | 112 | 9 | 0.26 |
| 15 11 56 13.5 | 60 | 16.9 | 151 | 1.7 | 46.6 | 2.2 | 27 | 8 | 55 | 31 | 0.34 |
| 15 12 6 39.3 | 60 | 16.5 | 140 | 58.9 | 10.5 | 0.5A | 6 | 3 | 157 | 14 | 0.12 |
| 15 12 7 8.6 | 60 | 17.2 | 141 | 0.0 | 8.1 | 0.8A | 8 | 2 | 130 | 15 | 0.35 |
| 15 12 38 10.6 | 61 | 14.6 | 149 | 29.3 | 38.6 | 2.0 | 27 | 5 | 54 | 4 | 0.64 |
| 15 14 23 43.3 | 60 | 16.3 | 140 | 41.9 | 11.5 | 0.7A | 8 | 3 | 145 | 23 | 0.23 |
| 15 16 18 5.0 | 61 | 36.1 | 142 | 31.1 | 0.2 | 1.4 | 9 | 6 | 230 | 64 | 0.44 |
| 15 17 36 6.1 | 61 | 36.1 | 142 | 30.9 | 22.3 | 1.6 | 10 | 5 | 230 | 64 | 0.64 |
| 15 17 36 17.2 | 60 | 18.8 | 152 | 43.2 | 16.0 | 0.7A | 3 | 3 | 180 | 16 | 0.32 |
| 15 20 56 9.8 | 59 | 33.7 | 151 | 17.1 | 8.9 | 0.3A | 7 | 5 | 133 | 5 | 0.23 |
| 16 2 29 30.3 | 60 | 34.9 | 145 | 6.4 | 11.9 | 1.7 | 24 | 11 | 106 | 8 | 1.07 |
| 16 2 34 41.7 | 59 | 56.7 | 151 | 24.9 | 20.7 | 1.3 | 12 | 4 | 99 | 13 | 0.28 |
| 16 4 32 42.6 | 60 | 22.7 | 140 | 43.8 | 14.8 | 0.3A | 7 | 3 | 166 | 30 | 0.57 |
| 16 5 11 38.7 | 60 | 5.5 | 140 | 51.1 | 9.5 | 0.9A | 10 | 3 | 136 | 12 | 0.36 |
| 16 5 36 54.8 | 60 | 26.6 | 143 | 47.1 | 20.1 | 1.6 | 14 | 7 | 129 | 29 | 0.82 |
| 16 5 46 33.9 | 60 | 13.1 | 141 | 5.4 | 13.1 | 0.8 | 12 | 6 | 115 | 8 | 0.25 |
| 16 5 48 10.2 | 60 | 12.0 | 141 | 6.2 | 12.0 | 0.1A | 7 | 5 | 112 | 6 | 0.28 |
| 16 6 10 0.8 | 63 | 4.3 | 149 | 58.7 | 89.8 | 2.7 | 14 | 5 | 117 | 146 | 0.31 |
| 16 6 31 0.3 | 58 | 59.2 | 154 | 16.3 | 114.1 | 3.1 | 12 | 6 | 201 | 157 | 0.22 |
| 16 6 7 24 14.4 | 60 | 7.1 | 141 | 9.7 | 0.2 | 0.8 | 7 | 6 | 121 | 7 | 0.33 |
| 16 6 14 55 53.5 | 60 | 8.4 | 152 | 22.6 | 82.7 | 2.7 | 23 | 11 | 132 | 25 | 0.35 |
| 16 6 16 9 29.9 | 60 | 14.0 | 141 | 4.8 | 11.9 | 0.8 | 7 | 5 | 120 | 11 | 0.32 |
| 16 6 16 12 21.3 | 60 | 9.7 | 140 | 54.0 | 15.6 | 1.2 | 11 | 8 | 116 | 20 | 0.49 |
| 16 6 16 13 52 35.1 | 60 | 17.8 | 141 | 12.7 | 8.5 | 1.1 | 10 | 6 | 117 | 19 | 0.17 |
| 16 6 17 27 36.5 | 60 | 16.2 | 140 | 44.0 | 9.7 | 0.4A | 6 | 4 | 149 | 21 | 0.16 |
| 16 6 18 2 11.9 | 61 | 39.3 | 148 | 33.3 | 9.5 | 1.5 | 16 | 7 | 110 | 21 | 0.56 |
| 16 6 19 31 7.6 | 60 | 34.6 | 152 | 36.7 | 14.2 | 1.0 | 13 | 4 | 189 | 11 | 0.63 |
| 16 6 20 31 11.5 | 60 | 11.2 | 140 | 56.7 | 11.4 | 0.6 | 7 | 6 | 118 | 6 | 0.15 |
| 16 6 20 53 4.9 | 59 | 5.9 | 153 | 3.3 | 81.4 | 3.0 | 16 | 19 | 94 | 3.0 | 0.68 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - FEBRUARY 1984

| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | GAP | D1 | RMS | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 |
|--------------|-------|--------|-------|-----|------|-------|---------|-----|-----|-----|------|-------|-------|--------|-----|------|------|-----|------|-----|
| | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR MN | SEC | DEG | MIN | DEG | MIN | DEG | KM | SEC | DEG | DEG | DEG | DEG | DEG | DEG | DEG | DEG | DEG | DEG | |
| FEB 16 21 31 | 13.0 | 60 | 7.7 | 140 | 55.1 | 6.6 | 1.2 | 10 | 3 | 114 | 7 | 0.26 | 1.0 | 0.7 A | 97 | 13 | 0.6 | 4 | 14 | 1.9 |
| 16 22 20 | 39.6 | 60 | 28.2 | 152 | 17.1 | 21.2 | 0.7 A | 9 | 4 | 115 | 13 | 0.56 | 1.1 | 1.6 B | 81 | 21 | 1.2 | 172 | 27 | 0.9 |
| 16 23 14 | 40.9 | 60 | 6.1 | 139 | 23.4 | 11.6 | 1.1 | 7 | 3 | 205 | 21 | 0.40 | 1.6 | 1.6 B | 124 | 2 | 0.9 | 32 | 43 | 1.5 |
| 17 4 25 | 22.4 | 60 | 5.2 | 141 | 19.9 | 9.2 | 1.1 | 7 | 5 | 207 | 10 | 0.22 | 1.1 | 0.8 A | 290 | 20 | 0.8 | 189 | 29 | 2.2 |
| 17 7 59 | 3.3 | 60 | 41.3 | 142 | 43.7 | 22.8 | 1.9 | 18 | 10 | 78 | 44 | 0.46 | 0.5 | 0.6 A | 340 | 7 | 0.6 | 261 | 23 | 0.7 |
| 17 10 40 | 44.5 | 60 | 13.2 | 141 | 16.4 | 15.2 | 1.1 A | 7 | 5 | 121 | 14 | 0.19 | 1.0 | 1.3 A | 321 | 25 | 0.6 | 65 | 26 | 0.9 |
| 17 11 22 | 6.8 | 61 | 1.4 | 147 | 6.3 | 12.7 | 2.0 | 20 | 13 | 91 | 43 | 0.43 | 0.4 | 0.7 A | 206 | 13 | 0.6 | 300 | 14 | 0.5 |
| 17 11 50 | 51.2 | 60 | 38.3 | 149 | 54.5 | 36.6 | 1.9 | 28 | 13 | 46 | 22 | 0.46 | 0.4 | 0.6 A | 117 | 1 | 0.8 | 27 | 12 | 0.6 |
| 17 14 48 | 53.2 | 61 | 9.3 | 152 | 17.3 | 4.7 | 0.3 A | 3 | 3 | 313 | 13 | 0.07 | 1.2 | 4.6 C | 333 | 5 | 1.4 | 261 | 9 | 1.9 |
| 17 15 16 | 0.5 | 60 | 10.8 | 141 | 6.4 | 3.7 | 1.9 | 13 | 8 | 109 | 5 | 0.64 | 0.5 | 0.6 A | 303 | 15 | 0.5 | 40 | 27 | 0.7 |
| 17 16 21 | 16.8 | 60 | 16.5 | 140 | 55.6 | 7.6 | 0.9 | 10 | 6 | 134 | 15 | 0.19 | 0.7 | 1.3 A | 93 | 3 | 0.9 | 2 | 25 | 0.5 |
| 17 16 47 | 57.2 | 63 | 13.9 | 150 | 44.5 | 88.1 | 3.3 | 12 | 4 | 131 | 145 | 0.89 | 4.1 | 10.5 D | 296 | 3 | 1.7 | 26 | 18 | 4.2 |
| 17 19 23 | 27.9 | 60 | 10.1 | 141 | 9.9 | 8.5 | 1.4 | 12 | 7 | 105 | 8 | 0.13 | 0.6 | 0.5 A | 81 | 27 | 0.7 | 312 | 31 | 0.5 |
| 17 19 30 | 47.6 | 60 | 10.2 | 141 | 9.8 | 8.5 | 0.8 | 7 | 3 | 105 | 7 | 0.12 | 0.7 | 0.8 A | 287 | 14 | 0.6 | 26 | 33 | 1.0 |
| 17 22 48 | 46.3 | 60 | 11.6 | 140 | 58.5 | 10.4 | 0.7 | 9 | 5 | 118 | 6 | 0.31 | 0.8 | 0.9 A | 296 | 11 | 0.9 | 34 | 37 | 0.7 |
| 18 4 26 | 54.7 | 59 | 18.0 | 152 | 48.8 | 46.8 | 2.9 | 22 | 12 | 53 | 338 | 1.2 A | 325 | 5 | 1.0 | 81 | 43 | 1.7 | 20.8 | |
| 18 5 39 | 50.5 | 61 | 23.4 | 150 | 47.6 | 50.6 | 2.2 | 25 | 8 | 70 | 9 | 0.42 | 0.5 | 1.2 A | 202 | 10 | 0.9 | 110 | 11 | 0.8 |
| 18 22 46 | 23.9 | 60 | 12.2 | 141 | 5.6 | 13.5 | 0.5 | 9 | 5 | 113 | 7 | 0.21 | 1.0 | 0.9 A | 294 | 16 | 0.8 | 191 | 38 | 2.3 |
| 19 0 8 | 15.1 | 60 | 12.8 | 140 | 59.8 | 10.0 | 0.7 A | 11 | 4 | 119 | 7 | 0.21 | 1.0 | 0.9 A | 89 | 19 | 0.6 | 196 | 40 | 2.4 |
| 19 2 55 | 8.2 | 60 | 2.5 | 141 | 25.0 | 3.9 | 1.2 | 11 | 5 | 174 | 12 | 0.22 | 0.8 | 1.0 A | 273 | 14 | 0.6 | 176 | 27 | 1.5 |
| 19 3 37 | 55.1 | 60 | 5.6 | 141 | 7.8 | 7.5 | 1.8 | 15 | 9 | 109 | 4 | 0.77 | 0.5 | 0.3 A | 199 | 2 | 0.9 | 290 | 11 | 0.5 |
| 19 5 7 | 47.2 | 60 | 4.1 | 141 | 10.8 | 5.7 | 1.3 | 11 | 6 | 167 | 13 | 0.33 | 0.8 | 0.8 A | 283 | 19 | 0.6 | 176 | 39 | 0.9 |
| 19 8 37 | 37.9 | 60 | 58.6 | 147 | 15.9 | 18.1 | 2.3 | 22 | 9 | 59 | 14 | 0.45 | 0.4 | 0.8 A | 306 | 5 | 0.4 | 215 | 9 | 0.6 |
| 19 9 7 | 43.3 | 59 | 31.0 | 145 | 19.5 | 16.9 | 2.3 | 18 | 7 | 224 | 58 | 0.73 | 1.3 | 1.0 A | 261 | 27 | 1.8 | 110 | 37 | 1.1 |
| 19 12 41 | 23.2 | 60 | 10.0 | 141 | 7.0 | 7.2 | 1.1 | 12 | 7 | 117 | 11 | 0.61 | 0.7 | 0.6 A | 284 | 4 | 0.5 | 190 | 40 | 1.6 |
| 19 13 9 | 33.9 | 61 | 10.2 | 152 | 9.3 | 4.1 | -0.6 A | 3 | 3 | 283 | 6 | 0.05 | 1.3 | 1.9 B | 261 | 5 | 2.0 | 320 | 21 | 0.9 |
| 19 14 59 | 49.4 | 59 | 55.3 | 153 | 17.3 | 115.4 | 2.9 | 18 | 13 | 148 | 39 | 0.49 | 1.6 | 1.7 B | 332 | 5 | 1.4 | 261 | 33 | 2.5 |
| 19 19 23 | 47 | 12.4 | 63 | 1.0 | 147 | 53.8 | 103.1 | 3.1 | 12 | 5 | 136 | 0.59 | 2.4 | 5.9 D | 15 | 9 | 3.6 | 283 | 16 | 2.3 |
| 20 1 27 | 2.8 | 60 | 10.2 | 141 | 9.8 | 10.7 | 0.5 | 4 | 3 | 198 | 8 | 0.16 | 0.9 | 0.8 A | 272 | 8 | 0.9 | 174 | 43 | 1.9 |
| 20 14 39 | 1.2 | 61 | 16.5 | 151 | 31.4 | 72.2 | 2.3 | 26 | 14 | 146 | 26 | 0.56 | 0.9 | 1.1 A | 183 | 23 | 1.1 | 82 | 24 | 0.8 |
| 21 1 3 | 58.0 | 61 | 47.3 | 150 | 38.0 | 56.0 | 2.2 | 20 | 9 | 145 | 37 | 0.53 | 0.7 | 1.1 A | 182 | 1 | 1.2 | 92 | 6 | 0.7 |
| 21 2 23 | 11.5 | 60 | 6.8 | 141 | 13.9 | 9.3 | 0.9 | 10 | 3 | 148 | 8 | 0.29 | 0.8 | 0.6 A | 284 | 11 | 0.6 | 190 | 23 | 1.5 |
| 21 2 38 | 26.9 | 60 | 8.8 | 141 | 37.7 | 4.4 | 1.1 | 6 | 3 | 203 | 9 | 0.13 | 1.7 | 1.3 B | 309 | 16 | 0.7 | 49 | 31 | 3.5 |
| 21 3 46 | 50.1 | 60 | 22.9 | 140 | 9.4 | 1.1 | 11 | 6 | 176 | 33 | 0.60 | 0.8 | 1.9 A | 304 | 10 | 0.7 | 36 | 11 | 1.4 | |
| 21 5 39 | 18.2 | 61 | 38.7 | 149 | 46.6 | 35.5 | 2.0 | 20 | 10 | 140 | 5 | 0.60 | 0.6 | 0.9 A | 10 | 2 | 1.0 | 280 | 7 | 0.6 |
| 21 6 37 | 3.7 | 60 | 4.4 | 141 | 10.1 | 2.8 | 0.3 A | 6 | 3 | 208 | 12 | 0.47 | 1.4 | 1.9 B | 261 | 13 | 1.4 | 163 | 30 | 1.7 |
| 21 10 16 | 13.5 | 61 | 11.3 | 152 | 12.2 | 7.5 | -0.3 A | 3 | 3 | 281 | 8 | 0.04 | 1.2 | 1.4 B | 337 | 7 | 1.1 | 261 | 32 | 2.0 |
| 21 10 18 | 52.7 | 58 | 59.3 | 136 | 36.2 | 6.1 | 2.1 | 9 | 5 | 168 | 132 | 0.41 | 5.9 | 2.8 D | 218 | 14 | 11.4 | 121 | 27 | 2.9 |
| 21 13 11 | 25.3 | 61 | 16.6 | 152 | 11.7 | 4.4 | -0.3 A | 3 | 3 | 283 | 4 | 0.03 | 1.1 | 1.1 A | 217 | 6 | 1.2 | 310 | 33 | 2.2 |
| 21 13 14 | 25.5 | 61 | 16.5 | 152 | 11.6 | 3.8 | -0.3 A | 3 | 3 | 285 | 2 | 0.04 | 1.1 | 0.8 A | 198 | 3 | 1.0 | 289 | 18 | 2.2 |
| 21 16 24 | 3.5 | 61 | 3.9 | 148 | 12.7 | 26.1 | 1.5 | 18 | 8 | 114 | 41 | 0.30 | 0.5 | 1.1 A | 286 | 0 | 0.6 | 196 | 14 | 0.8 |
| 21 16 31 | 48.8 | 62 | 59.1 | 149 | 35.4 | 114.0 | 3.4 | 14 | 5 | 159 | 146 | 0.67 | 3.9 | 5.3 C | 92 | 2 | 2.2 | 1 | 33 | 4.3 |
| | | | | | | 3.4 | ML ATWC | | | | | | | | | | | | 185 | |
| 21 16 36 | 48.4 | 63 | 6.8 | 149 | 9.7 | 64.9 | 2.4 | 10 | 9 | 153 | 152 | 0.71 | 3.6 | 11.5 D | 281 | 3 | 3.1 | 11 | 13 | 4.5 |
| 21 16 38 | 59.4 | 60 | 13.7 | 141 | 2.5 | 11.3 | 1.2 | 11 | 7 | 119 | 8 | 0.25 | 0.8 | 0.6 A | 299 | 4 | 0.5 | 206 | 34 | 1.9 |
| 21 20 13 | 53.9 | 60 | 7.5 | 141 | 7.2 | 10.9 | 0.3 A | 7 | 4 | 172 | 6 | 0.33 | 2.6 | 0.8 B | 21 | 7 | 5.0 | 287 | 31 | 1.0 |
| 22 1 8 | 24.5 | 59 | 6.5 | 135 | 13.3 | 36.0 | 2.3 | 8 | 4 | 224 | 88 | 0.59 | 6.2 | 25.0 D | 43 | 2 | 11.4 | 313 | 3 | 2.6 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - FEBRUARY 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | | |
|-------------|-----|----|------|------|-------|------|------|------|-------|------|-----|-----|-----|------|------|------|------|-----|------|-----|-----|------|-----|------|-----|-----|
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | DEG | MIN | DEG | MIN | DEG | KM | DEG | KM | DEG | SEC | DEG | KM | DEG | KM | DEG | SEC | DEG | KM | | | |
| FEB 22 | 2 | 32 | 19.4 | 60 | 19.5 | 140 | 14.7 | 7.8 | 1.0 | 5 | 2 | 195 | 25 | 0.15 | 2.0 | 3.9 | C | 81 | 13 | 2.0 | 341 | 21 | 1.1 | 199 | | |
| | 22 | 7 | 58 | 48.2 | 60 | 11.1 | 141 | 7.8 | 12.2 | 0.6 | 9 | 3 | 165 | 6 | 0.16 | 1.4 | 0.5 | B | 208 | 10 | 2.7 | 301 | 17 | 0.6 | 89 | |
| | 22 | 8 | 40 | 45.5 | 60 | 8.2 | 139 | 43.5 | 14.0 | 1.0 | 6 | 3 | 202 | 21 | 0.49 | 2.5 | 1.7 | B | 304 | 7 | 0.8 | 209 | 33 | 5.4 | 44 | |
| | 22 | 11 | 54 | 31.2 | 61 | 32.4 | 149 | 54.1 | 42.2 | 1.8 | 8 | 65 | 12 | 0.33 | 0.6 | 0.9 | A | 91 | 4 | 0.6 | 0 | 12 | 1.1 | 199 | | |
| | 22 | 15 | 32 | 46.8 | 58 | 54.0 | 138 | 24.0 | 0.1 | 1.5 | 6 | 3 | 336 | 67 | 0.34 | 5.0 | 9.2 | D | 161 | 1 | 2.6 | 261 | 9 | 8.9 | 65 | |
| | 22 | 15 | 51 | 12.6 | 58 | 43.2 | 139 | 54.0 | 7.4 | 1.4A | 5 | 3 | 296 | 100 | 0.17 | 2.6 | 12.2 | D | 311 | 2 | 4.7 | 220 | 6 | 3.4 | 59 | |
| | 22 | 18 | 24 | 18.9 | 60 | 13.4 | 141 | 7.1 | 15.7 | 0.7A | 3 | 3 | 172 | 9 | 0.09 | 18.0 | 8.8 | D | 301 | 16 | 1.0 | 203 | 26 | 37.5 | 59 | |
| | 23 | 0 | 35 | 8.0 | 59 | 27.2 | 151 | 14.9 | 10.1 | 0.8 | 10 | 5 | 191 | 2 | 0.36 | 1.3 | 0.7 | A | 154 | 20 | 2.5 | 262 | 41 | 1.3 | 45 | |
| | 23 | 0 | 51 | 41.5 | 62 | 59.5 | 150 | 37.0 | 129.3 | 3.0 | 10 | 3 | 121 | 122 | 0.55 | 4.1 | 4.6 | C | 321 | 10 | 4.1 | 81 | 33 | 2.9 | 219 | |
| | 23 | 2 | 14 | 38.3 | 60 | 19.8 | 140 | 22.5 | 12.2 | 1.0A | 6 | 3 | 222 | 0 | 0.27 | 2.6 | 3.3 | C | 312 | 18 | 1.5 | 53 | 30 | 3.0 | 195 | |
| | 23 | 3 | 48 | 52.4 | 60 | 8.4 | 140 | 53.5 | 6.1 | 0.4A | 4 | 3 | 160 | 8 | 0.20 | 0.9 | 1.1 | A | 359 | 15 | 1.7 | 95 | 21 | 0.8 | 236 | |
| | 23 | 4 | 18 | 53.0 | 60 | 18.1 | 140 | 46.8 | 15.3 | 1.0A | 7 | 4 | 150 | 22 | 1.1 | 1.4 | B | 119 | 3 | 0.9 | 27 | 35 | 1.2 | 213 | | |
| | 23 | 8 | 58 | 47.0 | 60 | 3.2 | 141 | 3.0 | 1.8 | 0.9A | 5 | 2 | 210 | 11 | 0.04 | 1.8 | 4.8 | C | 81 | 4 | 2.9 | 145 | 16 | 1.0 | 337 | |
| | 23 | 9 | 57 | 57.0 | 60 | 14.8 | 141 | 18.0 | 11.2 | 0.2A | 5 | 2 | 172 | 18 | 0.29 | 13.3 | 5.9 | D | 302 | 9 | 1.4 | 208 | 23 | 27.0 | 52 | |
| | 23 | 10 | 6 | 48.5 | 62 | 35.5 | 149 | 55.8 | 38.4 | 2.5 | 19 | 4 | 105 | 105 | 0.64 | 1.3 | 1.5 | B | 188 | 13 | 2.4 | 90 | 31 | 1.0 | 298 | |
| | 23 | 10 | 45 | 36.0 | 61 | 15.2 | 152 | 16.5 | 20.8 | 0.3A | 3 | 2 | 303 | 7 | 0.28 | 3.1 | 5.6 | C | 332 | 21 | 2.7 | 261 | 21 | 4.3 | 117 | |
| | 23 | 12 | 56 | 9.1 | 60 | 28.3 | 140 | 39.7 | 16.7 | 0.9A | 7 | 2 | 171 | 41 | 0.18 | 0.8 | 2.2 | B | 309 | 6 | 0.7 | 40 | 7 | 1.5 | 179 | |
| | 23 | 12 | 57 | 22.7 | 60 | 28.5 | 140 | 39.0 | 13.9 | 0.7A | 4 | 1 | 172 | 47 | 0.04 | 6.8 | 4.3 | D | 323 | 13 | 1.3 | 81 | 15 | 12.5 | 205 | |
| | 23 | 13 | 43 | 16.4 | 60 | 7.1 | 141 | 8.2 | 8.8 | 0.6A | 8 | 2 | 189 | 7 | 0.20 | 3.3 | 1.4 | C | 285 | 5 | 1.5 | 17 | 21 | 6.6 | 182 | |
| | 23 | 15 | 35 | 44.6 | 61 | 25.1 | 140 | 10.7 | 5.0 | 1.4A | 6 | 2 | 276 | 80 | 0.26 | 5.0 | 20.6 | D | 113 | 2 | 3.2 | 23 | 5 | 8.8 | 225 | |
| | 23 | 19 | 11 | 24.2 | 60 | 11.2 | 140 | 31.8 | 17.2 | 0.7A | 6 | 2 | 191 | 18 | 0.20 | 7.4 | 1.1 | B | 294 | 27 | 3.8 | 294 | 21 | 4.3 | 117 | |
| | 23 | 19 | 38 | 39.0 | 60 | 22.9 | 142 | 23.1 | 1.9 | 1.0 | 8 | 3 | 127 | 27 | 0.45 | 0.6 | 16.8 | D | 263 | 0 | 0.7 | 353 | 1 | 0.9 | 173 | |
| | 23 | 20 | 23 | 56.0 | 60 | 8.8 | 141 | 9.8 | 8.8 | 0.2A | 5 | 3 | 136 | 7 | 0.28 | 0.7 | 0.8 | A | 279 | 9 | 0.7 | 15 | 33 | 1.1 | 176 | |
| | 23 | 23 | 10 | 4.0 | 60 | 9.6 | 141 | 1.0 | 11.3 | 1.5 | 1.5 | 13 | 4 | 110 | 12 | 0.36 | 0.7 | 0.8 | A | 299 | 2 | 0.6 | 30 | 35 | 0.9 | 206 |
| | 24 | 0 | 18 | 55.2 | 60 | 10.8 | 141 | 8.4 | 12.8 | 0.4A | 6 | 4 | 143 | 7 | 0.10 | 1.4 | 0.8 | B | 280 | 5 | 0.7 | 188 | 24 | 2.8 | 21 | |
| | 24 | 0 | 52 | 51.9 | 60 | 12.0 | 141 | 8.2 | 9.0 | 0.6 | 11 | 4 | 110 | 15 | 0.31 | 1.2 | 1.7 | B | 296 | 0 | 0.6 | 26 | 33 | 0.8 | 206 | |
| | 24 | 2 | 28 | 15.2 | 59 | 49.3 | 151 | 15.0 | 42.2 | 1.6 | 1.6 | 11 | 5 | 90 | 5 | 0.32 | 0.6 | 1.0 | A | 16 | 0 | 0.9 | 286 | 17 | 1.1 | 106 |
| | 24 | 4 | 57 | 50.5 | 60 | 17.2 | 140 | 54.2 | 0.2 | 0.4A | 6 | 2 | 137 | 28 | 0.35 | 2.3 | 4.1 | C | 294 | 0 | 0.9 | 24 | 21 | 3.3 | 204 | |
| | 24 | 6 | 47 | 6.3 | 60 | 19.4 | 152 | 58.1 | 132.2 | 4.0 | 22 | 6 | 150 | 18 | 0.39 | 1.5 | 2.2 | B | 338 | 3 | 1.4 | 261 | 8 | 2.6 | 90 | |
| | 4.3 | NB | | | | | | | | | | | | | | | | | | | | | | | | |
| | 24 | 10 | 29 | 56.2 | 59 | 54.6 | 140 | 57.8 | 8.1 | 0.7 | 9 | 4 | 188 | 19 | 0.34 | 0.8 | 1.0 | A | 112 | 7 | 0.6 | 207 | 34 | 1.2 | 12 | |
| | 24 | 15 | 35 | 29.1 | 59 | 17.4 | 150 | 53.8 | 4.1 | 1.0A | 10 | 4 | 282 | 28 | 0.29 | 1.0 | 1.3 | A | 96 | 17 | 1.2 | 194 | 23 | 1.5 | 333 | |
| | 24 | 18 | 28 | 44.5 | 60 | 10.8 | 141 | 8.3 | 10.8 | 0.7 | 14 | 11 | 107 | 7 | 0.55 | 0.7 | 0.5 | A | 300 | 24 | 0.5 | 199 | 24 | 1.4 | 70 | |
| | 24 | 20 | 5 | 6.8 | 60 | 23.5 | 151 | 46.5 | 84.5 | 2.6 | 24 | 12 | 174 | 47 | 0.27 | 0.8 | 1.5 | B | 2 | 4 | 0.7 | 271 | 7 | 1.4 | 121 | |
| | 24 | 20 | 38 | 58.3 | 60 | 12.2 | 141 | 7.7 | 9.9 | 0.6 | 11 | 3 | 111 | 8 | 0.18 | 0.8 | 0.7 | A | 294 | 16 | 0.6 | 191 | 37 | 1.8 | 43 | |
| | 24 | 22 | 0 | 0.3 | 60 | 15.5 | 140 | 44.6 | 14.1 | 0.8A | 8 | 5 | 151 | 33 | 0.40 | 1.1 | 1.2 | A | 301 | 10 | 0.6 | 40 | 40 | 1.9 | 200 | |
| | 25 | 6 | 2 | 22.1 | 60 | 11.1 | 141 | 7.7 | 10.4 | 0.2A | 6 | 1 | 162 | 6 | 0.04 | 1.3 | 1.4 | B | 96 | 4 | 0.8 | 2 | 41 | 1.5 | 191 | |
| | 25 | 7 | 55 | 22.5 | 58 | 12.8 | 151 | 54.0 | 58.0 | 2.9 | 11 | 7 | 192 | 63 | 0.89 | 9.0 | 5.0 | D | 23 | 12 | 1.1 | 288 | 22 | 18.0 | 140 | |
| | 3.9 | NB | | | | | | | | | | | | | | | | | | | | | | | | |
| | 25 | 8 | 10 | 7.0 | 60 | 3.0 | 140 | 59.8 | 4.0 | 0.6A | 8 | 2 | 163 | 12 | 0.43 | 2.4 | 2.6 | C | 138 | 21 | 0.8 | 261 | 26 | 1.5 | 23 | |
| | 26 | 1 | 11 | 21.1 | 61 | 20.7 | 150 | 42.4 | 61.3 | 1.0A | 4 | 5 | 157 | 13 | 0.29 | 1.4 | 2.5 | B | 280 | 6 | 1.2 | 189 | 8 | 2.6 | 46 | |
| | 26 | 2 | 7 | 30.0 | 61 | 10.1 | 151 | 19.1 | 65.5 | 1.9 | 9 | 4 | 81 | 40 | 0.42 | 0.8 | 1.8 | B | 198 | 3 | 1.5 | 107 | 8 | 1.4 | 308 | |
| | 26 | 7 | 32 | 45.2 | 61 | 22.3 | 151 | 43.4 | 81.1 | 3.1 | 28 | 5 | 105 | 17 | 0.35 | 0.9 | 1.3 | A | 40 | 1 | 0.9 | 131 | 32 | 1.0 | 308 | |
| | 26 | 9 | 23 | 33.2 | 60 | 13.4 | 141 | 4.5 | 9.9 | 0.3A | 6 | 2 | 116 | 8 | 0.31 | 1.1 | 1.3 | A | 261 | 18 | 1.9 | 347 | 36 | 1.2 | 28 | |
| | 26 | 10 | 35 | 25.9 | 59 | 49.7 | 141 | 24.9 | 2.2 | 1.0A | 9 | 4 | 226 | 31 | 0.57 | 0.9 | 2.7 | B | 203 | 3 | 1.6 | 293 | 10 | 1.4 | 146 | |
| | 26 | 11 | 23 | 27.8 | 61 | 26.5 | 149 | 39.5 | 31.8 | 3.5 | 32 | 5 | 84 | 23 | 0.46 | 0.5 | 0.7 | A | 181 | 8 | 0.9 | 272 | 10 | 0.7 | 53 | |
| | 26 | 11 | 29 | 53.9 | 61 | 27.4 | 149 | 39.6 | 33.9 | 2.0 | 21 | 7 | 88 | 24 | 0.70 | 0.5 | 0.8 | A | 269 | 10 | 0.6 | 176 | 18 | 0.8 | 27 | |
| | 26 | 14 | 55 | 48.5 | 60 | 16.4 | 141 | 6.2 | 9.9 | 0.9 | 7 | 6 | 121 | 14 | 0.10 | 0.9 | 1.4 | B | 315 | 13 | 0.6 | 51 | 25 | 1.0 | 200 | |
| | 26 | 16 | 25 | 39.8 | 60 | 9.3 | 140 | 56.7 | 10.2 | 1.3 | 12 | 4 | 113 | 5 | 0.48 | 0.7 | 0.8 | A | 114 | 1 | 0.8 | 23 | 42 | 0.7 | 205 | |
| | 26 | 20 | 13 | 3.1 | 61 | 26.8 | 149 | 40.2 | 35.7 | 1.7 | 17 | 8 | 84 | 23 | 0.54 | 0.5 | 0.9 | A | 175 | 3 | 1.0 | 265 | 10 | 0.6 | 68 | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - FEBRUARY 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | CAP | D1 | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | |
|------------------------|------|------|------|------|-------|------|------|-----|-----|------|------|--------|--------|-------|-------|------|-----|-----|------|-----|------|------|-----|-----|
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 FEB 26 20 14 26.5 | 58.0 | 60 | 16.1 | 141 | 12.6 | 12.1 | 1.0 | 10 | 5 | 114 | 16 | 0.25 | 1.0 | 1.0 A | 325 | 20 | 0.6 | 81 | 29 | 1.1 | 210 | 48 | 2.4 | |
| 26 21 54 47.2 | 59 | 58.7 | 60 | 18.3 | 140 | 55.2 | 9.3 | 1.0 | 9 | 6 | 139 | 18 | 0.38 | 0.8 | 1.3 A | 327 | 16 | 0.6 | 81 | 17 | 0.7 | 205 | 57 | 2.7 |
| 26 23 19 58.0 | 59 | 58.7 | 60 | 28.3 | 143 | 11.2 | 19.8 | 1.9 | 17 | 12 | 110 | 19 | 0.40 | 0.4 | 0.6 A | 272 | 8 | 0.5 | 180 | 16 | 0.9 | 28 | 72 | 1.5 |
| 27 0 14 21.3 | 59 | 58.7 | 60 | 28.3 | 152 | 32.5 | 76.5 | 3.1 | 22 | 10 | 133 | 46 | 0.25 | 1.1 | 1.1 A | 320 | 2 | 0.8 | 81 | 25 | 1.8 | 226 | 51 | 2.8 |
| 27 3 12 24.3 | 59 | 47.3 | 152 | 32.5 | 3.5 | ATWC | | | | | | | | | | | | | | | | | | |
| 27 3 21 39.8 | 61 | 22.6 | 146 | 48.8 | 18.6 | 2.1 | 23 | 11 | 55 | 38 | 0.50 | 0.3 | 0.7 A | 190 | 5 | 0.6 | 281 | 13 | 0.4 | 79 | 76 | 1.3 | | |
| 27 8 2 0.6 | 60 | 24.0 | 141 | 23.0 | 16.1 | 1.1 | 8 | 4 | 115 | 21 | 0.41 | 0.9 | 1.7 B | 342 | 9 | 0.7 | 81 | 25 | 0.8 | 234 | 62 | 3.5 | | |
| 27 8 28 15.3 | 60 | 18.3 | 140 | 55.2 | 4.1 | 0.1A | 3 | 3 | 309 | 12 | 0.01 | 1.3 | 13.0 D | 261 | 3 | 1.9 | 329 | 5 | 1.3 | 135 | 67 | 22.7 | | |
| 27 9 42 0.7 | 61 | 9.6 | 152 | 16.2 | 4.2 | 3 | 2.8 | 29 | 10 | 85 | 15 | 0.46 | 0.5 | 1.0 A | 92 | 2 | 0.5 | 182 | 3 | 1.0 | 328 | 86 | 1.9 | |
| 27 12 20 47.1 | 61 | 43.4 | 150 | 7.4 | 41.2 | 2.0 | 24 | 11 | 144 | 14 | 0.45 | 0.6 | 0.7 A | 271 | 0 | 0.5 | 1 | 1 | 1 | 1.2 | 181 | 89 | 1.4 | |
| 27 12 42 41.3 | 61 | 42.9 | 150 | 6.8 | 17.1 | 0.8 | 9 | 4 | 118 | 13 | 0.40 | 1.1 | 1.0 A | 314 | 18 | 0.7 | 60 | 42 | 1.2 | 206 | 43 | 2.6 | | |
| 27 18 10 19.8 | 60 | 15.6 | 141 | 8.4 | 10.0 | 0.8 | 7 | 3 | 199 | 23 | 0.36 | 2.9 | 4.2 C | 81 | 9 | 4.2 | 329 | 25 | 1.4 | 187 | 56 | 8.6 | | |
| 27 18 56 39.5 | 60 | 18.1 | 140 | 15.4 | 20.6 | 1.0 | 6 | 257 | 146 | 0.68 | 4.4 | 25.0 D | 288 | 2 | 3.1 | 19 | 7 | 5.3 | 182 | 83 | 50.2 | | | |
| 27 22 49 39.6 | 63 | 3.2 | 149 | 14.1 | 57.1 | 2.4 | 10 | 6 | 257 | 146 | 0.68 | 4.4 | 25.0 D | 288 | 2 | 3.1 | 307 | 6 | 1.3 | 145 | 84 | 5.6 | | |
| 27 23 13 23.6 | 59 | 23.6 | 140 | 7.3 | 15.0 | 0.8A | 5 | 5 | 236 | 51 | 0.71 | 1.3 | 3.0 C | 37 | 2 | 2.5 | 278 | 29 | 1.7 | 142 | 52 | 3.8 | | |
| 28 1 0 41.4 | 60 | 0.6 | 152 | 3.8 | 63.3 | 2.6 | 21 | 9 | 140 | 43 | 0.36 | 0.9 | 1.2 A | 328 | 5 | 0.7 | 81 | 27 | 1.2 | 230 | 55 | 2.3 | | |
| 28 1 49 27.3 | 60 | 7.6 | 141 | 11.8 | 3.6 | 1.4 | 11 | 7 | 130 | 8 | 0.81 | 0.4 | 0.7 A | 44 | 2 | 0.8 | 312 | 28 | 0.5 | 138 | 62 | 1.4 | | |
| 28 7 16 9.0 | 60 | 17.7 | 141 | 5.9 | 1.8 | 0.8 | 8 | 5 | 125 | 16 | 0.43 | 0.8 | 1.7 B | 328 | 9 | 0.6 | 81 | 12 | 1.0 | 210 | 63 | 3.2 | | |
| 28 7 57 39.1 | 61 | 13.3 | 149 | 20.6 | 36.0 | 1.8 | 21 | 10 | 51 | 12 | 0.43 | 0.4 | 0.7 A | 313 | 5 | 0.8 | 222 | 17 | 0.7 | 59 | 72 | 1.3 | | |
| 28 13 7 19.6 | 59 | 40.5 | 151 | 11.7 | 46.5 | 1.4 | 11 | 4 | 79 | 9 | 0.20 | 1.4 | 1.7 B | 21 | 22 | 1.4 | 333 | 20 | 0.6 | 206 | 58 | 2.8 | | |
| 28 13 42 41.4 | 60 | 16.7 | 141 | 4.9 | 9.4 | 0.9 | 8 | 6 | 124 | 14 | 0.18 | 0.9 | 1.3 B | 81 | 19 | 1.0 | 333 | 20 | 0.6 | 139 | 87 | 1.7 | | |
| 28 14 50 35.6 | 60 | 34.1 | 141 | 37.6 | 10.1 | 0.8 | 14 | 8 | 101 | 24 | 0.83 | 0.4 | 0.9 A | 31 | 1 | 0.7 | 301 | 3 | 0.6 | 181 | 22 | 1.8 | | |
| 28 15 4 17.9 | 59 | 31.0 | 151 | 20.4 | 11.1 | 0.7 | 10 | 6 | 92 | 6 | 0.25 | 1.0 | 0.6 A | 81 | 22 | 0.5 | 293 | 40 | 0.7 | 181 | 22 | 1.8 | | |
| 28 17 59 22.9 | 61 | 7.1 | 152 | 29.2 | 2.8 | 1.0 | 5 | 5 | 231 | 24 | 0.62 | 1.4 | 1.3 B | 210 | 16 | 0.7 | 113 | 22 | 2.7 | 333 | 62 | 2.5 | | |
| 29 4 6 59.2 | 59 | 55.8 | 153 | 5.7 | 114.5 | 3.0 | 23 | 9 | 143 | 32 | 0.48 | 1.5 | 1.4 B | 155 | 1 | 1.3 | 261 | 44 | 2.0 | 64 | 44 | 3.2 | | |
| 29 7 29 3.3 | 60 | 57.6 | 147 | 16.5 | 15.2 | 2.1 | 23 | 9 | 87 | 45 | 0.38 | 0.5 | 1.1 A | 183 | 11 | 0.8 | 277 | 15 | 0.5 | 58 | 71 | 2.3 | | |
| 29 9 12 27.8 | 60 | 10.0 | 141 | 6.9 | 8.6 | 0.9 | 7 | 5 | 121 | 5 | 0.33 | 0.8 | 0.7 A | 81 | 26 | 1.1 | 327 | 35 | 0.7 | 197 | 42 | 1.8 | | |
| 29 9 18 45.4 | 60 | 16.8 | 140 | 44.5 | 13.6 | 0.6A | 9 | 5 | 143 | 21 | 0.38 | 0.8 | 1.2 A | 316 | 12 | 0.7 | 53 | 28 | 0.9 | 205 | 59 | 2.6 | | |
| 29 9 19 23.9 | 60 | 21.3 | 141 | 13.9 | 16.1 | 0.6A | 6 | 4 | 122 | 25 | 0.34 | 1.3 | 1.9 B | 323 | 9 | 0.7 | 81 | 26 | 1.0 | 219 | 52 | 3.9 | | |
| 29 9 33 33.5 | 60 | 39.2 | 149 | 44.9 | 36.2 | 1.2 | 13 | 6 | 74 | 28 | 0.58 | 0.6 | 0.9 A | 289 | 2 | 1.0 | 20 | 26 | 0.8 | 195 | 64 | 1.8 | | |
| 29 12 50 43.0 | 61 | 17.6 | 152 | 12.9 | 7.3 | 1.9 | 17 | 8 | 120 | 11 | 1.24 | 0.7 | 0.5 A | 114 | 31 | 1.5 | 228 | 33 | 0.6 | 352 | 41 | 0.8 | | |
| 29 13 47 32.2 | 59 | 55.6 | 140 | 6.4 | 14.1 | 1.3 | 10 | 4 | 159 | 21 | 0.84 | 1.5 | 1.3 B | 298 | 5 | 0.7 | 32 | 38 | 3.4 | 202 | 52 | 1.4 | | |
| 29 14 3 59.2 | 61 | 1.4 | 147 | 15.0 | 21.0 | 2.3 | 23 | 8 | 81 | 48 | 0.41 | 0.4 | 1.0 A | 192 | 6 | 0.7 | 284 | 14 | 0.5 | 79 | 75 | 2.0 | | |
| 29 15 8 45.3 | 59 | 56.8 | 140 | 12.5 | 13.0 | 1.3 | 10 | 4 | 159 | 17 | 0.70 | 1.7 | 1.2 B | 133 | 16 | 0.7 | 261 | 43 | 1.1 | 31 | 34 | 3.6 | | |
| 29 16 51 36.6 | 62 | 33.6 | 149 | 38.4 | 79.1 | 2.8 | 15 | 6 | 141 | 102 | 0.46 | 0.9 | 3.4 C | 297 | 1 | 1.4 | 27 | 11 | 1.1 | 202 | 79 | 6.5 | | |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MARCH 1984 | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|---|--|--|---|---|--|---|--|---|---|--|---|---|---|---|---|--|
| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | | | | CAP | DI | RMS | SEH | SEZ Q | AZI | DIP1 | SE1 | AZZ | DIP2 | SE2 | | | | |
| | | | | DEG | MIN | SEC | KM | | | | | | | | | | | | | | | |
| 1984 MAR 1 1 58 28.0 61 10.1 152 12.3 7.9 0.9A 3 3 184 8 0.31 25.0 25.0 D 311 19 1.5 261 40 0.7 64 34 60.1 | 1 4 37 27.5 59 53.0 141 23.9 0.8 1.8 13 4 188 25 0.58 0.9 1.3 A 282 4 0.7 190 26 1.3 20 64 2.7 | 1 4 41 11.5 59 50.9 141 20.0 0.6 0.9 4 2 273 27 0.22 1.6 3.4 C 204 2 3.0 294 16 1.9 107 74 6.7 | 1 4 57 41.7 60 9.8 141 3.9 6.3 0.8 7 3 108 2 0.64 0.5 0.5 A 265 4 0.9 171 39 1.2 0 51 0.7 | 1 6 3 1.1 60 13.3 140 49.2 9.9 0.8A 6 2 156 14 0.12 4.3 4.2 C 91 14 0.7 348 42 1.7 195 45 11.2 | 1 7 58 54.1 60 1.2 141 44.4 8.9 1.7A 9 6 180 38 0.55 0.8 1.0 A 132 12 0.7 228 29 1.3 22 58 2.2 | 1 8 15 21.3 60 25.9 141 18.7 22.0 0.6A 4 4 129 25 0.13 1.2 2.3 B 115 5 1.9 23 24 1.2 216 65 4.6 | 1 10 3 55.0 61 11.5 152 28.2 18.4 0.8A 4 4 245 19 0.07 1.8 2.4 B 317 17 2.5 217 30 0.9 73 55 5.4 | 1 10 10 1.2 60 11.4 141 8.2 11.8 1.1A 5 2 174 7 0.26 5.6 1.7 D 203 15 10.8 106 24 1.8 322 61 1.3 | 1 11 52 6.8 60 13.5 140 50.8 15.3 1.5 8 6 131 13 0.33 1.0 1.0 A 115 7 0.7 212 43 2.5 18 46 1.1 | 1 14 3 39.0 60 31.0 141 23.0 17.3 1.4 10 6 119 27 0.54 0.7 1.2 A 163 3 0.6 81 26 1.0 259 63 2.4 | 1 14 6 17.5 59 34.6 138 54.6 16.1 0.7 4 2 216 14 0.28 7.7 3.8 D 328 27 0.8 261 37 13.3 98 41 2.8 | 1 14 10 55.8 60 10.1 140 55.8 9.8 0.8A 6 5 116 6 0.21 1.0 0.8 A 83 33 0.8 325 35 1.2 203 37 2.2 | 1 15 28 16.9 60 5.2 141 15.9 7.0 0.9 7 2 211 9 0.12 1.6 1.5 B 51 25 3.0 303 34 1.3 169 46 3.3 | 1 15 57 20.1 60 18.1 140 59.8 11.9 1.1A 7 5 130 17 0.25 1.0 1.6 B 81 16 1.2 345 22 0.7 204 62 3.4 | 1 16 1 7.4 61 41.8 149 29.8 42.8 1.7 16 8 151 21 0.54 0.7 1.1 A 114 4 0.9 204 4 1.3 339 84 2.1 | 1 19 6 48.9 60 16.3 140 51.8 14.0 1.2A 6 4 138 16 0.67 1.4 2.2 B 89 8 1.6 354 31 1.0 192 58 4.7 | 1 19 17 30.4 60 11.3 141 17.0 17.2 1.1A 5 3 160 14 0.29 1.5 1.7 B 81 23 2.0 327 27 0.8 201 49 3.9 | 1 20 39 55.8 60 43.4 143 26.8 11.6 1.2A 9 5 146 69 0.60 1.2 2.5 B 274 0 0.9 184 11 2.2 4 79 4.7 | 2 10 43 49.9 60 12.9 141 17.2 0.7 0.9 10 2 119 16 0.53 1.1 2.3 B 81 2 1.4 315 12 0.8 178 52 3.7 | 2 13 1 53.5 62 30.4 150 54.5 74.0 3.0 18 3 82 67 0.83 0.9 1.8 B 97 6 1.4 5 19 1.0 204 70 3.7 | 2 13 18 36.2 61 29.1 149 41.8 36.3 1.8 21 9 90 21 0.56 0.5 0.6 A 273 7 0.5 180 20 0.9 21 69 1.2 | 2 13 20 20.1 61 30.5 146 24.2 22.0 2.9 28 5 79 42 0.60 0.4 0.9 A 304 2 0.6 34 4 0.8 187 86 1.7 |
| 2 14 57 32.5 62 22.6 148 28.6 45.0 2.9 24 6 97 64 0.53 0.9 3.5 C 85 3 1.2 354 12 0.9 189 78 6.8 | 2 15 19 7.4 60 16.6 141 14.7 10.5 0.4A 4 3 181 18 0.18 4.7 9.0 D 113 9 3.3 19 25 2.2 221 63 18.9 | 2 15 53 57.6 60 13.9 152 58.6 112.3 2.6 17 4 244 11 0.25 2.0 1.7 B 157 16 1.8 261 30 4.1 44 54 2.7 | 2 17 5 33.1 59 1.1 137 55.2 19.3 1.8 5 4 349 73 0.25 25.0 3.7 D 315 0 6.0 225 6 60.3 45 84 2.9 | 2 18 28 39.6 60 20.7 141 21.6 12.1 1.1 8 5 114 21 0.39 1.0 1.5 B 331 10 0.6 81 26 0.9 224 56 3.2 | 2 18 55 20.4 61 5.6 152 11.0 6.8 0.8 4 165 12 0.40 2.2 2.4 B 306 27 2.4 200 28 0.5 72 49 5.9 | 2 19 2 0.5 61 36.0 149 24.0 35.3 1.3 14 10 136 20 0.67 0.5 0.8 A 182 9 1.0 274 14 0.7 60 73 1.5 | 2 23 11 9.2 62 20.2 149 3.5 19.6 2.1 6 204 70 0.55 1.0 1.5 B 174 5 1.7 267 27 1.1 74 62 3.2 | 3 1 23 47.6 62 59.8 150 48.5 128.1 3.1 12 6 193 119 0.32 4.2 4.0 C 319 24 4.6 81 30 2.9 204 42 9.7 | 3 4 30 23.7 59 56.0 141 18.6 2.7 1.0 11 2 176 18 0.33 1.8 2.6 B 158 21 1.5 261 23 1.7 32 57 5.7 | 3 5 15 47.3 60 42.3 139 55.7 1.9 0.9A 5 2 225 70 0.32 5.8 7.0 D 172 3 1.4 264 33 8.8 77 57 14.7 | 3 5 52 5.8 60 2.2 139 53.8 15.7 1.2 7 4 159 17 0.64 2.3 0.6 B 302 0 0.7 32 1 4.4 212 89 1.1 | 3 5 53 11.7 60 14.2 140 60.0 12.2 0.7A 5 3 271 9 0.18 2.6 1.3 B 172 18 5.2 279 42 2.4 65 43 0.9 | 3 6 16 46.3 59 50.8 141 11.3 20.0 0.7 4 3 262 24 1.05 2.7 3.3 C 81 6 2.9 154 38 1.3 343 49 7.5 | 3 12 0 0.6 59 30.7 151 18.2 12.3 0.6 10 3 106 4 0.39 1.0 0.9 A 27 32 0.6 272 34 1.3 148 40 2.4 | 4 10 51 52.0 59 53.2 150 25.4 31.1 2.5 24 9 127 13 0.61 0.6 1.0 A 308 3 1.1 329 16 0.8 183 63 2.5 | 4 17 26 35.4 60 17.5 140 42.9 13.6 0.6A 7 5 154 23 0.34 0.9 1.5 B 291 4 0.6 24 29 0.9 194 61 3.1 | 4 17 38 50.1 60 11.9 141 2.8 1.7 0.2A 4 4 169 5 0.17 1.2 2.0 B 290 4 0.5 22 30 0.8 193 60 4.3 | 4 19 14 3.5 61 20.3 146 40.6 23.5 2.2 19 9 62 30 0.65 0.4 0.6 A 195 6 0.7 286 8 0.5 69 80 1.2 | 4 23 38 56.3 60 11.2 139 44.0 15.0 1.0A 7 4 194 27 0.49 2.0 1.3 B 110 11 0.9 205 27 4.2 60 61 1.6 | 5 1 52 16.1 60 13.6 152 7.3 82.7 2.7 21 9 103 39 0.33 0.7 1.7 B 81 3 1.4 351 5 0.9 202 84 3.2 | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MARCH 1984

| 1984 | ORIGIN TIME | LAT | N | LONG | W | DEPTH | KM | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ | Q | AZ1 | | | DIP1 | | | SE1 | | | AZ2 | | | DIP2 | | | SE2 | | | AZ3 | | | DIP3 | | | SE3 | | |
|------|-------------|------|----|------|-----|-------|-------|------|----|----|-----|-----|------|------|------|---|-----|-----|-----|------|-----|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|--|--|-----|--|--|------|--|--|-----|--|--|
| | | | | | | | | | | | | | | | | | DEG | MIN | SEC | KM | DEG | DEG | KM | DEG | DEG | KM | DEG | DEG | KM | DEG | DEG | KM | | | | | | | | | | | |
| MAR | 5 7 50 | 26.9 | 60 | 15.1 | 141 | 2.2 | 9.2 | 0.6A | 8 | 3 | 123 | 11 | 0.08 | 0.9 | 1.3 | A | 83 | 14 | 1.0 | 345 | 28 | 0.8 | 197 | 58 | 2.8 | | | | | | | | | | | | | | | | | | |
| | 5 9 45 | 8.6 | 60 | 15.9 | 141 | 8.8 | 8.0 | 0.5A | 6 | 4 | 118 | 14 | 0.17 | 1.4 | 2.1 | B | 301 | 4 | 0.7 | 33 | 30 | 1.4 | 204 | 60 | 4.4 | | | | | | | | | | | | | | | | | | |
| | 5 16 23 | 7.1 | 62 | 17.8 | 151 | 26.3 | 87.5 | 2.9 | 18 | 5 | 102 | 36 | 0.48 | 1.3 | 1.8 | B | 115 | 9 | 2.3 | 22 | 21 | 1.4 | 227 | 67 | 3.6 | | | | | | | | | | | | | | | | | | |
| | 5 20 25 | 4.6 | 60 | 40.2 | 137 | 49.5 | 18.5 | 1.6A | 6 | 4 | 283 | 128 | 0.15 | 2.2 | 1.5 | B | 127 | 5 | 3.0 | 219 | 19 | 4.3 | 23 | 70 | 2.7 | | | | | | | | | | | | | | | | | | |
| | 5 21 58 | 50.3 | 60 | 2.0 | 140 | 34.8 | 8.1 | 0.8A | 8 | 4 | 175 | 19 | 0.58 | 2.1 | 1.8 | B | 280 | 3 | 0.6 | 13 | 41 | 5.0 | 187 | 49 | 1.3 | | | | | | | | | | | | | | | | | | |
| | 6 1 48 | 41.7 | 60 | 2.6 | 141 | 34.8 | 3.8 | 0.6 | 7 | 6 | 183 | 13 | 0.27 | 0.7 | 1.5 | B | 261 | 5 | 0.8 | 170 | 8 | 1.3 | 23 | 81 | 2.8 | | | | | | | | | | | | | | | | | | |
| | 6 6 149 | 7.8 | 60 | 2.2 | 141 | 35.8 | 0.1 | 0.4 | 6 | 5 | 187 | 14 | 0.23 | 0.6 | 2.6 | B | 91 | 1 | 0.7 | 181 | 2 | 1.1 | 334 | 88 | 4.9 | | | | | | | | | | | | | | | | | | |
| | 6 4 20 | 5.6 | 60 | 13.9 | 141 | 6 | 10.1 | 0.5A | 6 | 4 | 147 | 9 | 0.29 | 1.1 | 1.1 | A | 319 | 24 | 1.1 | 81 | 27 | 1.2 | 202 | 44 | 2.5 | | | | | | | | | | | | | | | | | | |
| | 6 6 29 | 51.6 | 59 | 52.4 | 141 | 29.3 | 7.9 | 1.2 | 14 | 6 | 183 | 36 | 0.56 | 0.7 | 1.2 | A | 103 | 7 | 0.7 | 195 | 19 | 1.2 | 354 | 70 | 2.4 | | | | | | | | | | | | | | | | | | |
| | 6 10 37 | 47.5 | 60 | 43.8 | 150 | 17.8 | 43.9 | 1.6 | 21 | 10 | 37 | 24 | 0.31 | 0.5 | 1.0 | A | 81 | 2 | 0.6 | 345 | 11 | 0.8 | 181 | 77 | 1.9 | | | | | | | | | | | | | | | | | | |
| | 6 11 13 | 36.2 | 61 | 24.9 | 151 | 41.6 | 20.6 | 0.4A | 3 | 3 | 209 | 30 | 0.16 | 16.5 | 25.0 | D | 27 | 6 | 0.7 | 119 | 17 | 3.9 | 278 | 72 | 99.0 | | | | | | | | | | | | | | | | | | |
| | 6 12 17 | 10.0 | 63 | 11.7 | 150 | 43.0 | 120.4 | 2.9 | 9 | 7 | 292 | 142 | 0.31 | 8.9 | 13.4 | D | 286 | 3 | 4.6 | 18 | 32 | 6.4 | 191 | 58 | 29.4 | | | | | | | | | | | | | | | | | | |
| | 6 12 17 | 23.0 | 60 | 10.4 | 152 | 33.6 | 87.5 | 2.5 | 22 | 10 | 129 | 14 | 0.23 | 1.1 | 1.1 | A | 148 | 9 | 0.9 | 261 | 38 | 2.3 | 48 | 46 | 1.6 | | | | | | | | | | | | | | | | | | |
| | 6 12 35 | 3.7 | 60 | 17.6 | 141 | 11.0 | 9.5 | 0.9 | 7 | 4 | 150 | 18 | 0.36 | 1.0 | 1.5 | B | 309 | 7 | 0.6 | 43 | 26 | 1.4 | 205 | 63 | 3.2 | | | | | | | | | | | | | | | | | | |
| | 6 13 1 | 20.3 | 60 | 15.0 | 161 | 13.3 | 12.1 | 0.2A | 5 | 4 | 142 | 15 | 0.24 | 1.8 | 2.0 | B | 302 | 4 | 0.7 | 36 | 41 | 2.1 | 207 | 49 | 4.6 | | | | | | | | | | | | | | | | | | |
| | 6 15 30 | 4.0 | 61 | 54.5 | 148 | 58.7 | 14.6 | 1.2 | 16 | 7 | 166 | 31 | 0.81 | 0.7 | 0.9 | A | 15 | 3 | 1.0 | 283 | 34 | 0.6 | 109 | 56 | 2.0 | | | | | | | | | | | | | | | | | | |
| | 6 17 57 | 57.6 | 60 | 27.6 | 143 | 13.2 | 19.4 | 1.9 | 15 | 11 | 114 | 20 | 0.37 | 0.4 | 0.7 | A | 22 | 8 | 0.8 | 291 | 12 | 0.4 | 145 | 76 | 1.3 | | | | | | | | | | | | | | | | | | |
| | 6 18 22 | 35.7 | 60 | 27.3 | 140 | 42.9 | 18.0 | 0.7A | 5 | 3 | 201 | 38 | 0.62 | 1.9 | 6.8 | D | 288 | 5 | 1.0 | 18 | 8 | 3.0 | 166 | 81 | 12.9 | | | | | | | | | | | | | | | | | | |
| | 6 18 35 | 18.9 | 60 | 17.9 | 140 | 21.2 | 3.7 | 0.8A | 9 | 5 | 169 | 23 | 0.73 | 1.1 | 1.9 | B | 295 | 5 | 0.9 | 27 | 16 | 1.9 | 188 | 73 | 3.7 | | | | | | | | | | | | | | | | | | |
| | 6 19 4 | 41.8 | 60 | 53.8 | 149 | 6.6 | 28.9 | 2.3 | 29 | 11 | 87 | 6 | 0.48 | 0.4 | 0.7 | A | 335 | 11 | 0.7 | 261 | 19 | 0.6 | 98 | 63 | 1.3 | | | | | | | | | | | | | | | | | | |
| | 6 20 22 | 6.9 | 60 | 7.7 | 141 | 15.2 | 7.9 | 1.0 | 7 | 3 | 139 | 13 | 0.25 | 1.5 | 1.1 | B | 281 | 15 | 0.7 | 19 | 29 | 3.1 | 167 | 57 | 1.8 | | | | | | | | | | | | | | | | | | |
| | 6 20 58 | 30.2 | 60 | 34.2 | 149 | 34.9 | 40.3 | 1.8 | 24 | 13 | 46 | 15 | 0.35 | 0.4 | 0.7 | A | 37 | 2 | 0.5 | 306 | 12 | 0.8 | 136 | 78 | 1.3 | | | | | | | | | | | | | | | | | | |
| | 7 0 40 | 56.5 | 60 | 39.4 | 140 | 39.2 | 10.7 | 1.1A | 11 | 5 | 190 | 51 | 0.52 | 0.8 | 1.9 | B | 132 | 1 | 0.7 | 222 | 5 | 1.4 | 31 | 85 | 3.5 | | | | | | | | | | | | | | | | | | |
| | 7 0 41 | 10.0 | 60 | 41.7 | 140 | 34.6 | 6.0 | 1.7 | 11 | 6 | 198 | 51 | 0.83 | 1.5 | 1.4 | B | 318 | 1 | 0.6 | 261 | 42 | 1.6 | 49 | 39 | 3.1 | | | | | | | | | | | | | | | | | | |
| | 7 1 23 | 17.9 | 60 | 5.7 | 141 | 1.0 | 7.6 | 0.4A | 5 | 2 | 217 | 7 | 0.17 | 3.3 | 1.8 | A | 16 | 27 | 7.0 | 126 | 35 | 0.9 | 257 | 43 | 1.9 | | | | | | | | | | | | | | | | | | |
| | 7 2 35 | 57.0 | 61 | 7.4 | 148 | 22.4 | 29.3 | 3.1 | 37 | 10 | 48 | 32 | 0.46 | 0.4 | 0.6 | A | 81 | 6 | 0.5 | 173 | 25 | 0.7 | 338 | 64 | 1.2 | | | | | | | | | | | | | | | | | | |
| | 7 3 56 | 36.7 | 60 | 12.2 | 141 | 7.8 | 10.3 | 0.8 | 11 | 8 | 111 | 8 | 0.23 | 0.6 | 0.6 | A | 308 | 24 | 0.6 | 56 | 35 | 0.7 | 191 | 45 | 1.5 | | | | | | | | | | | | | | | | | | |
| | 7 5 37 | 10.9 | 60 | 8.7 | 141 | 6.9 | 8.7 | 0.8 | 7 | 4 | 111 | 5 | 0.31 | 0.6 | 0.7 | A | 39 | 14 | 1.0 | 301 | 32 | 0.9 | 150 | 55 | 1.4 | | | | | | | | | | | | | | | | | | |
| | 7 6 10 | 29.0 | 60 | 9.7 | 141 | 4.5 | 5.9 | 1.5 | 13 | 9 | 134 | 3 | 0.61 | 0.5 | 0.4 | A | 297 | 22 | 0.4 | 195 | 28 | 0.9 | 60 | 53 | 0.6 | | | | | | | | | | | | | | | | | | |
| | 7 6 52 | 44.2 | 61 | 4.5 | 140 | 22.3 | 23.5 | 0.7A | 3 | 3 | 268 | 107 | 0.20 | 9.0 | 11.5 | D | 308 | 5 | 2.5 | 215 | 37 | 5.1 | 45 | 53 | 26.9 | | | | | | | | | | | | | | | | | | |
| | 7 7 2 | 50.1 | 61 | 5.2 | 152 | 19.8 | 4.1 | 0.8A | 3 | 3 | 201 | 18 | 0.26 | 1.5 | 25.0 | D | 23 | 0 | 0.7 | 293 | 1 | 2.3 | 113 | 89 | 9.0 | | | | | | | | | | | | | | | | | | |
| | 7 7 9 | 42.0 | 60 | 26.3 | 140 | 23.9 | 4.3 | 0.2 | 16 | 6 | 182 | 39 | 0.61 | 0.7 | 1.2 | A | 81 | 3 | 1.0 | 321 | 9 | 0.5 | 185 | 59 | 1.9 | | | | | | | | | | | | | | | | | | |
| | 7 7 9 49 | 33.7 | 60 | 25.3 | 140 | 28.3 | 7.3 | 1.3 | 12 | 8 | 175 | 38 | 0.88 | 0.6 | 1.1 | A | 311 | 7 | 0.5 | 42 | 14 | 1.1 | 195 | 74 | 2.2 | | | | | | | | | | | | | | | | | | |
| | 7 10 14 | 51.5 | 60 | 23.0 | 140 | 28.8 | 13.9 | 0.9A | 8 | 6 | 189 | 34 | 0.81 | 1.9 | 2.9 | C | 307 | 14 | 1.0 | 44 | 25 | 1.9 | 191 | 61 | 6.0 | | | | | | | | | | | | | | | | | | |
| | 7 12 25 | 10.6 | 60 | 18.1 | 140 | 32.3 | 9.3 | 0.7A | 8 | 5 | 184 | 28 | 0.30 | 1.4 | 2.4 | B | 289 | 10 | 0.7 | 23 | 22 | 2.0 | 176 | 66 | 4.9 | | | | | | | | | | | | | | | | | | |
| | 7 12 48 | 35.6 | 60 | 14.4 | 140 | 33.1 | 15.1 | 0.8 | 9 | 5 | 169 | 23 | 0.32 | 1.7 | 1.6 | B | 288 | 11 | 0.7 | 187 | 42 | 3.9 | 30 | 46 | 1.8 | | | | | | | | | | | | | | | | | | |
| | 7 14 55 | 27.2 | 61 | 53.7 | 148 | 58.2 | 8.9 | 1.9 | 20 | 11 | 165 | 30 | 0.84 | 0.5 | 0.6 | A | 5 | 10 | 0.8 | 269 | 32 | 0.4 | 110 | 56 | 1.3 | | | | | | | | | | | | | | | | | | |
| | 7 15 11 | 25.2 | 61 | 11.6 | 150 | 41.1 | 47.5 | 1.7 | 22 | 8 | 57 | 30 | 0.50 | 0.5 | 1.3 | A | 273 | 2 | 0.6 | 182 | 12 | 0.8 | 206 | 40 | 1.3 | | | | | | | | | | | | | | | | | | |
| | 7 15 50 | 44.5 | 61 | 19.1 | 151 | 16.2 | 63.0 | 2.1 | 26 | 9 | 83 | 32 | 0.41 | 0.7 | 1.2 | A | 312 | 4 | 0.5 | 43 | 22 | 0.7 | 212 | 68 | 2.2 | | | | | | | | | | | | | | | | | | |
| | 8 0 49 | 41.1 | 60 | 15.9 | 141 | 22.6 | 71.7 | 3.0 | 26 | 10 | 103 | 23 | 0.26 | 0.6 | 1.1 | A | 81 | 9 | 1.0 | 345 | 19 | 0.8 | 19 | | | | | | | | | | | | | | | | | | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MARCH 1984

| ORIGIN TIME | LAT N | | | LONG W | | | DEPTH | MAG | NP | NS | GAP | D1 | RMS | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 |
|----------------------|-------|------|-----|--------|------|---------|-------|-----|-----|-----|------|-----|--------|-----|-----|-----|------|-----|-----|------|-----|------|------|-----|
| | HR | MIN | SEC | DEG | MIN | KM | DEG | KM | SEC | KM | DEG | DEG | KM | DEG | DEG | KM | DEG | DEG | KM | DEG | DEG | KM | | |
| 1984 MAR 9 7 11 32.8 | 61 | 39.5 | 149 | 37.0 | 31.7 | 1.6 | 15 | 7 | 143 | 14 | 0.59 | 0.6 | 1.1 A | 197 | 8 | 1.0 | 289 | 10 | 0.6 | 69 | 77 | 2.2 | | |
| 9 9 0 28.5 | 60 | 6.9 | 140 | 57.3 | 13.8 | 1.0 | 9 | 6 | 169 | 6 | 0.31 | 1.5 | 0.5 B | 21 | 1 | 2.7 | 112 | 41 | 0.8 | 290 | 49 | 0.9 | | |
| 9 9 48 31.8 | 60 | 15.3 | 141 | 16.9 | 11.2 | 0.5A | 8 | 4 | 111 | 18 | 0.35 | 0.7 | 0.9 A | 307 | 19 | 0.6 | 46 | 24 | 1.2 | 183 | 59 | 2.0 | | |
| 9 10 56 12.3 | 61 | 42.2 | 150 | 57.5 | 60.5 | 2.9 | 22 | 11 | 83 | 29 | 0.53 | 0.6 | 1.1 A | 81 | 11 | 0.7 | 171 | 17 | 1.1 | 319 | 70 | 2.1 | | |
| 9 12 38 50.6 | 60 | 8.2 | 140 | 58.3 | 7.2 | -0.1A | 4 | 4 | 155 | 4 | 0.29 | 0.7 | 0.6 A | 198 | 16 | 1.4 | 100 | 26 | 0.8 | 316 | 59 | 1.2 | | |
| 9 13 47 31.4 | 60 | 20.3 | 141 | 11.3 | 9.4 | 0.6A | 7 | 5 | 124 | 22 | 0.34 | 1.0 | 2.1 B | 310 | 3 | 0.6 | 42 | 23 | 0.9 | 213 | 67 | 4.3 | | |
| 9 13 47 58.5 | 60 | 1.7 | 139 | 53.8 | 12.6 | 1.1 | 8 | 5 | 156 | 17 | 0.48 | 2.0 | 0.8 A | 34 | 8 | 3.7 | 301 | 19 | 0.6 | 146 | 69 | 1.4 | | |
| 9 15 11 18.8 | 61 | 18.5 | 150 | 49.4 | 46.3 | 1.7 | 12 | 9 | 75 | 18 | 0.52 | 0.5 | 1.0 A | 117 | 8 | 0.7 | 209 | 12 | 0.8 | 354 | 75 | 1.9 | | |
| 9 16 42 50.6 | 60 | 17.9 | 140 | 54.1 | 8.2 | 0.6A | 5 | 4 | 165 | 18 | 0.14 | 1.6 | 2.0 B | 302 | 10 | 0.8 | 40 | 36 | 1.1 | 199 | 52 | 4.8 | | |
| 9 22 8 53.6 | 60 | 15.5 | 140 | 59.8 | 1.6 | 0.7A | 6 | 4 | 126 | 12 | 0.46 | 0.7 | 1.5 B | 124 | 1 | 0.7 | 33 | 22 | 0.9 | 216 | 68 | 2.9 | | |
| 10 0 56 26.3 | 61 | 54.6 | 149 | 21.9 | 36.7 | 3.0 | 19 | 6 | 166 | 36 | 0.44 | 1.0 | 0.9 A | 90 | 2 | 0.9 | 181 | 41 | 2.2 | 358 | 49 | 1.4 | | |
| | | | | | 3.0 | ML ATWC | | | | | | | | | | | | | | | | | | |
| 10 4 28 1.9 | 61 | 8.3 | 150 | 36.5 | 49.2 | 1.7 | 22 | 13 | 67 | 37 | 0.49 | 0.4 | 1.2 A | 223 | 8 | 0.7 | 132 | 9 | 0.6 | 354 | 78 | 2.2 | | |
| 10 5 1 34.3 | 60 | 22.4 | 141 | 23.7 | 10.4 | 1.0 | 14 | 9 | 112 | 19 | 0.61 | 0.4 | 0.7 A | 353 | 10 | 0.5 | 86 | 21 | 0.6 | 239 | 67 | 1.4 | | |
| 10 5 14 31.5 | 60 | 10.5 | 141 | 8.7 | 7.3 | 1.1 | 12 | 5 | 106 | 7 | 0.37 | 0.7 | 0.8 A | 299 | 7 | 0.7 | 35 | 41 | 0.9 | 201 | 48 | 1.8 | | |
| 10 7 51 33.8 | 60 | 10.1 | 141 | 9.3 | 8.8 | 1.3 | 14 | 10 | 105 | 7 | 0.35 | 0.5 | 0.5 A | 288 | 17 | 0.5 | 184 | 38 | 1.1 | 37 | 47 | 0.7 | | |
| 10 11 1 51.7 | 60 | 21.0 | 140 | 45.9 | 6.9 | 1.2A | 9 | 4 | 149 | 27 | 0.40 | 0.7 | 1.7 B | 307 | 10 | 0.8 | 40 | 14 | 1.1 | 183 | 73 | 3.3 | | |
| 10 11 28 0.4 | 60 | 10.4 | 141 | 6.0 | 10.8 | 1.1A | 8 | 4 | 108 | 4 | 0.13 | 1.0 | 0.6 A | 184 | 25 | 2.0 | 296 | 38 | 0.8 | 70 | 41 | 1.0 | | |
| 10 14 46 8.6 | 60 | 6.2 | 141 | 16.0 | 15.0 | 0.8A | 7 | 3 | 161 | 14 | 0.62 | 1.2 | 1.0 A | 280 | 8 | 0.8 | 15 | 32 | 2.4 | 178 | 57 | 1.5 | | |
| 10 15 4 49.7 | 61 | 12.0 | 148 | 32.3 | 34.2 | 2.2 | 33 | 13 | 75 | 24 | 0.51 | 0.5 | 0.6 A | 196 | 18 | 0.6 | 94 | 32 | 0.7 | 311 | 52 | 1.2 | | |
| 10 18 5 59.1 | 60 | 28.8 | 140 | 39.3 | 14.4 | 1.4A | 8 | 5 | 170 | 42 | 0.37 | 0.8 | 1.6 B | 305 | 4 | 0.8 | 36 | 7 | 1.4 | 186 | 82 | 3.0 | | |
| 10 20 7 22.9 | 60 | 2.8 | 141 | 20.8 | 0.1 | 1.4 | 12 | 4 | 155 | 21 | 0.75 | 0.7 | 1.3 A | 270 | 1 | 0.5 | 180 | 13 | 1.2 | 4 | 77 | 2.5 | | |
| 11 2 18 29.0 | 60 | 15.5 | 144 | 54.8 | 34.2 | 1.3A | 9 | 6 | 202 | 35 | 0.90 | 1.0 | 0.9 A | 279 | 10 | 0.9 | 184 | 28 | 1.9 | 27 | 60 | 1.6 | | |
| 11 2 53 11.4 | 60 | 14.1 | 141 | 0.3 | 5.1 | 2.7 | 17 | 9 | 122 | 9 | 0.83 | 0.4 | 0.5 A | 288 | 1 | 0.4 | 18 | 26 | 0.6 | 196 | 64 | 1.1 | | |
| | | | | | 3.4 | ML ATWC | | | | | | | | | | | | | | | | | | |
| 11 4 21 5.2 | 60 | 12.5 | 141 | 4.2 | 8.6 | 0.9 | 8 | 5 | 115 | 6 | 0.37 | 0.7 | 0.7 A | 81 | 19 | 0.8 | 335 | 34 | 0.6 | 194 | 49 | 1.7 | | |
| 11 4 23 25.3 | 61 | 22.1 | 139 | 59.5 | 4.4 | 1.4A | 4 | 3 | 291 | 85 | 0.47 | 4.3 | 25.0 D | 359 | 2 | 6.3 | 89 | 3 | 3.6 | 235 | 86 | 99.0 | | |
| 11 4 23 46.7 | 61 | 22.9 | 140 | 2.4 | 0.6 | 2.0A | 4 | 3 | 306 | 0 | 0.21 | 3.4 | 7.4 D | 81 | 6 | 3.3 | 316 | 7 | 4.1 | 196 | 54 | 11.8 | | |
| 11 4 49 45.1 | 60 | 12.0 | 141 | 3.5 | 10.1 | 1.2 | 15 | 10 | 114 | 5 | 0.31 | 0.5 | 0.6 A | 329 | 28 | 0.6 | 76 | 29 | 0.7 | 203 | 48 | 1.3 | | |
| 11 5 4 26.5 | 60 | 26.1 | 152 | 15.1 | 77.7 | 2.3 | 24 | 11 | 68 | 18 | 0.45 | 0.8 | 1.1 A | 167 | 5 | 0.8 | 81 | 26 | 1.3 | 267 | 63 | 2.1 | | |
| 11 6 34 4.2 | 60 | 36.4 | 145 | 8.7 | 13.4 | 1.6 | 12 | 8 | 82 | 9 | 0.64 | 0.6 | 0.7 A | 342 | 7 | 0.8 | 81 | 38 | 0.6 | 243 | 51 | 1.6 | | |
| 11 10 25 37.4 | 60 | 15.7 | 141 | 4.9 | 9.2 | 0.8 | 14 | 9 | 121 | 12 | 0.42 | 0.6 | 0.8 A | 317 | 20 | 0.6 | 56 | 22 | 0.8 | 189 | 59 | 1.6 | | |
| 11 10 44 32.6 | 60 | 13.3 | 141 | 4.2 | 7.2 | 0.8A | 5 | 3 | 174 | 8 | 0.15 | 0.9 | 1.1 A | 279 | 9 | 1.0 | 16 | 34 | 1.1 | 176 | 54 | 2.5 | | |
| 11 10 50 16.8 | 60 | 15.6 | 141 | 39.6 | 8.3 | 0.7 | 11 | 4 | 90 | 12 | 0.40 | 1.0 | 0.9 A | 321 | 7 | 0.7 | 261 | 15 | 1.6 | 66 | 51 | 1.4 | | |
| 11 13 39 59.2 | 60 | 17.6 | 141 | 26.1 | 10.9 | 1.3 | 15 | 10 | 104 | 17 | 0.41 | 0.5 | 0.6 A | 324 | 13 | 0.5 | 81 | 17 | 0.6 | 207 | 56 | 1.2 | | |
| 11 18 5 31.7 | 60 | 11.7 | 141 | 1.0 | 11.2 | 1.4 | 15 | 10 | 116 | 5 | 0.28 | 0.6 | 0.5 A | 99 | 2 | 0.6 | 191 | 38 | 1.3 | 6 | 52 | 0.8 | | |
| 11 23 5 56.4 | 60 | 11.8 | 141 | 21.9 | 3.0 | 1.2A | 11 | 5 | 125 | 19 | 0.56 | 0.6 | 1.2 A | 102 | 2 | 0.8 | 12 | 4 | 1.1 | 219 | 86 | 2.3 | | |
| 11 23 10 33.7 | 59 | 37.5 | 152 | 52.7 | 98.0 | 3.1 | 20 | 13 | 145 | 0 | 0.33 | 1.5 | 1.4 A | 140 | 2 | 1.1 | 81 | 39 | 2.9 | 232 | 42 | 1.9 | | |
| | | | | | 3.6 | ML ATWC | | | | | | | | | | | | | | | | | | |
| 12 1 10 49.0 | 60 | 10.9 | 140 | 57.8 | 20.9 | 0.6A | 5 | 2 | 128 | 5 | 0.17 | 6.7 | 3.9 C | 292 | 0 | 1.0 | 22 | 3 | 1.3 | 202 | 87 | 7.4 | | |
| 12 1 14 26.3 | 60 | 35.9 | 143 | 38.5 | 7.1 | 0.9A | 9 | 3 | 96 | 45 | 0.37 | 0.7 | 1.0 A | 168 | 7 | 1.3 | 81 | 20 | 1.0 | 277 | 69 | 2.1 | | |
| 12 5 50 18.7 | 60 | 4.8 | 141 | 17.5 | 0.5 | 0.8A | 6 | 2 | 205 | 17 | 0.10 | 1.9 | 4.0 C | 198 | 2 | 3.5 | 288 | 9 | 0.9 | 96 | 81 | 7.6 | | |
| 12 7 31 2.9 | 60 | 26.4 | 145 | 25.4 | 13.1 | 0.9 | 10 | 4 | 216 | 16 | 0.25 | 1.5 | 0.8 B | 39 | 17 | 2.9 | 141 | 35 | 1.0 | 288 | 50 | 1.3 | | |
| 12 8 3 12.6 | 61 | 59.8 | 150 | 58.9 | 67.3 | 2.4 | 21 | 8 | 118 | 29 | 0.34 | 0.7 | 1.0 A | 168 | 7 | 1.3 | 81 | 20 | 1.0 | 277 | 69 | 2.1 | | |
| 12 11 23 58.8 | 60 | 4.6 | 139 | 33.4 | 17.4 | 1.0 | 6 | 2 | 205 | 15 | 0.38 | 4.3 | 2.1 C | 322 | 23 | 1.3 | 221 | 25 | 8.9 | 89 | 55 | 1.3 | | |
| 12 13 2 30.9 | 60 | 7.5 | 141 | 6.3 | 8.8 | 0.9 | 10 | 5 | 84 | 5 | 0.28 | 0.7 | 0.4 A | 99 | 4 | 0.6 | 8 | 10 | 1.3 | 210 | 79 | 0.8 | | |
| 12 14 48 54.3 | 63 | 8.9 | 150 | 6.5 | 75.0 | 2.5 | 11 | 4 | 268 | 149 | 0.42 | 5.4 | 21.3 D | 93 | 3 | 4.9 | 3 | 5 | 9.6 | 214 | 84 | 40.2 | | |
| 12 17 38 12.8 | 62 | 14.1 | 151 | 14.2 | 80.2 | 2.4 | 12 | 6 | 252 | 32 | 0.41 | 1.3 | 1.7 B | 81 | 12 | 1.4 | 343 | 17 | 2.2 | 203 | 68 | 3.3 | | |
| 12 19 49 39.3 | 60 | 59.2 | 147 | 13.8 | 29.7 | 2.4 | 26 | 12 | 83 | 51 | 0.58 | 0.3 | 0.6 A | 0 | 0 | 0.6 | 270 | 5 | 0.4 | 90 | 85 | 1.0 | | |
| 12 20 36 0.1 | 59 | 41.2 | 140 | 53.7 | 5.6 | 1.7 | 12 | 4 | 191 | 53 | 0.55 | 0.8 | 1.4 B | 299 | 0 | 0.8 | 209 | 16 | 1.3 | 29 | 74 | 2.8 | | |
| 12 20 52 44.7 | 60 | 13.1 | 141 | 9.2 | 10.1 | 1.4 | 13 | 5 | 111 | 10 | 0.44 | 0.5 | 0.6 A | 55 | 26 | 0.8 | 311 | 27 | 0.5 | 182 | 51 | 1.3 | | |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MARCH 1984 | | | | | | | | | | | |
|--|--|------|------|------|-------|------|-------|------|-----|-----|------|
| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS |
| 1984 | HR | MIN | SEC | DEG | MIN | KM | DEG | SEC | KM | DEG | DEG |
| MAR 12 23 25 | 0.8 | 61 | 24.5 | 151 | 41.3 | 22.4 | 0.7A | 3 | 4 | 211 | 30 |
| | 13 0 41 | 56.9 | 60 | 25.4 | 141 | 16.7 | 10.4 | 1.5 | 13 | 4 | 0.23 |
| | 13 2 37 | 13.4 | 60 | 32.9 | 137 | 44.1 | 15.9 | 1.6 | 7 | 3 | 27 |
| | 13 3 54 | 49.2 | 60 | 1.7 | 141 | 34.2 | 1.1 | 0.9A | 8 | 4 | 299 |
| | 13 5 35 | 8.9 | 61 | 37.3 | 151 | 50.4 | 108.5 | 2.6 | 25 | 8 | 0.05 |
| | 13 6 48 | 2.0 | 60 | 12.4 | 141 | 17.1 | 14.6 | 1.0 | 10 | 5 | 122 |
| | 13 7 23 | 6.7 | 60 | 12.8 | 141 | 55.8 | 0.5 | 0.9 | 6 | 4 | 299 |
| | 13 14 24 | 45.0 | 60 | 8.2 | 141 | 26.0 | 8.6 | 1.0 | 12 | 4 | 0.54 |
| | 14 5 9 | 40.5 | 60 | 6.0 | 139 | 45.1 | 23.9 | 1.0A | 7 | 3 | 0.56 |
| | 14 6 44 | 39.8 | 60 | 12.7 | 140 | 59.2 | 9.3 | 0.3A | 7 | 3 | 0.54 |
| | 14 7 1 28.0 | 52.3 | 150 | 10.9 | 62.5 | 2.4 | 13 | 7 | 120 | 7 | 0.37 |
| | 14 8 24 | 8.9 | 60 | 20.7 | 139 | 40.7 | 22.0 | 1.2A | 7 | 3 | 1.0 |
| | 14 9 13 | 52.3 | 60 | 14.0 | 140 | 59.5 | 12.7 | 0.5A | 9 | 6 | 190 |
| | 14 11 53 | 47.9 | 60 | 23.1 | 147 | 35.6 | 29.7 | 2.4 | 349 | 68 | 0.01 |
| | 14 15 14 | 11.0 | 59 | 30.8 | 151 | 21.0 | 12.0 | 0.7A | 8 | 7 | 12.6 |
| | 14 15 32 | 53.0 | 61 | 32.9 | 151 | 17.5 | 66.6 | 3.2 | 27 | 6 | 0.14 |
| | 14 20 32 | 53.8 | 61 | 41.5 | 149 | 44.9 | 47.3 | 3.9 | 28 | 4 | 0.14 |
| 4.8 MB | 4.5 ML ATWC | | | | | | | | | | |
| | FELT (IV) AT EAGLE RIVER, PALMER, SUTTON AND WASILLA. FELT (III) AT ANCHORAGE, CHUGLAK AND WILLOW. | | | | | | | | | | |
| 14 20 39 11.6 | 61 | 40.9 | 149 | 42.0 | 47.5 | 2.3 | 22 | 12 | 144 | 10 | 0.43 |
| | 14 20 56 57.5 | 60 | 8.8 | 140 | 59.5 | 13.1 | 0.5A | 8 | 5 | 168 | 2 |
| | 14 21 33 16.1 | 60 | 37.3 | 142 | 39.2 | 17.5 | 2.1 | 20 | 15 | 54 | 2.47 |
| | 14 21 48 22.3 | 60 | 3.7 | 141 | 5.3 | 12.8 | 0.6A | 3 | 3 | 228 | 0.66 |
| | 14 22 5 20.6 | 61 | 35.6 | 149 | 39.7 | 36.0 | 2.4 | 26 | 7 | 131 | 0.20 |
| | 14 22 21 44.5 | 60 | 8.9 | 141 | 6.2 | 9.8 | 0.7A | 10 | 5 | 136 | 0.42 |
| | 14 23 24 38.7 | 61 | 29.9 | 149 | 59.2 | 45.4 | 1.7 | 17 | 6 | 75 | 0.47 |
| | 15 7 33 | 5.4 | 60 | 16.8 | 141 | 15.1 | 13.0 | 0.4A | 10 | 6 | 113 |
| | 15 8 16 | 12.4 | 59 | 30.0 | 152 | 53.3 | 72.3 | 2.9 | 19 | 8 | 148 |
| | 15 9 20 | 47.2 | 60 | 4.2 | 140 | 51.6 | 6.0 | 0.7 | 9 | 4 | 146 |
| | 15 10 56 49.9 | 59 | 40.8 | 140 | 54.3 | 7.1 | 1.3 | 11 | 9 | 198 | 0.59 |
| | 15 11 24 46.1 | 61 | 5.8 | 152 | 15.7 | 9.7 | 0.5A | 4 | 4 | 189 | 1.0 |
| | 15 13 53 15.0 | 60 | 44.8 | 151 | 52.1 | 76.9 | 2.4 | 24 | 9 | 108 | 0.26 |
| | 15 17 13 17.2 | 59 | 23.4 | 60 | 22.0 | 141 | 19.0 | 13.5 | 9 | 152 | 0.34 |
| | 15 14 2 0.3 | 61 | 54.8 | 143 | 39.4 | 5.5 | 1.5 | 12 | 5 | 209 | 0.25 |
| | 15 14 49 8.4 | 61 | 20.1 | 148 | 26.0 | 20.9 | 1.5 | 15 | 5 | 93 | 0.36 |
| | 15 14 59 22.7 | 60 | 21.4 | 141 | 22.6 | 13.1 | 0.9 | 12 | 8 | 113 | 0.37 |
| | 15 19 16 43.4 | 59 | 58.0 | 152 | 13.0 | 69.0 | 1.9 | 12 | 6 | 159 | 0.25 |
| | 15 22 26 54.1 | 60 | 12.2 | 141 | 12.3 | 7.8 | 0.8 | 10 | 5 | 136 | 0.47 |
| | 16 1 4 45.2 | 60 | 12.0 | 141 | 11.8 | 11.0 | 0.8 | 10 | 6 | 107 | 0.22 |
| | 16 1 36 2.3 | 60 | 37.0 | 142 | 41.1 | 18.0 | 1.6 | 16 | 8 | 54 | 0.46 |
| | 16 3 10 18.8 | 60 | 55.2 | 147 | 14.0 | 20.7 | 2.5 | 28 | 12 | 47 | 0.43 |
| | 16 3 46 44.7 | 60 | 18.0 | 141 | 14.4 | 17.3 | 0.7A | 12 | 5 | 116 | 0.38 |
| | 16 3 58 2.2 | 59 | 57.3 | 141 | 33.6 | 10.2 | 0.8A | 8 | 6 | 212 | 0.67 |
| | 16 5 23 33.3 | 60 | 18.2 | 141 | 15.3 | 18.0 | 0.6A | 9 | 4 | 115 | 0.20 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MARCH 1984

| 1984 | ORIGIN TIME | LAT N | | | LONG W | | | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEZ | Q | AZI | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | | | |
|--------|-------------|-------|------|------|--------|------|-------|-------|------|-----|-----|------|------|-------|--------|--------|-----|------|-----|-----|------|-----|-----|------|------|-----|-----|--|--|
| | | HR | MN | SEC | DEG | MIN | KM | | | | | | | | | | | | | | | | | | | | | | |
| MAR 16 | 8 29 | 30.6 | 60 | 14.6 | 141 | 9.7 | 15.4 | 1.0 | 12 | 7 | 114 | 12 | 0.24 | 0.7 | 0.7 A | 321 | 21 | 0.6 | 81 | 31 | 0.7 | 208 | 44 | 1.8 | | | | | |
| 16 | 8 33 | 17.2 | 62 | 50.8 | 149 | 32.0 | 44.2 | 2.4 | 11 | 6 | 152 | 132 | 0.49 | 2.2 | 12.2 D | 85 | 5 | 1.7 | 354 | 6 | 3.1 | 214 | 82 | 23.1 | | | | | |
| 16 | 10 11 | 51.9 | 61 | 8.8 | 152 | 19.0 | 0.1 | 1.2 | 14 | 5 | 189 | 15 | 1.04 | 0.7 | 0.9 A | 213 | 17 | 0.5 | 309 | 19 | 1.3 | 84 | 64 | 1.8 | | | | | |
| 16 | 11 4 | 48.8 | 62 | 9.2 | 149 | 30.0 | 55.0 | 2.4 | 18 | 8 | 114 | 59 | 0.45 | 0.8 | 2.1 B | 278 | 0 | 0.8 | 8 | 13 | 1.3 | 188 | 77 | 4.1 | | | | | |
| 16 | 15 50 | 7.8 | 61 | 17.0 | 152 | 23.7 | 108.9 | 2.9 | 26 | 6 | 125 | 13 | 0.54 | 0.9 | 1.2 A | 181 | 7 | 1.1 | 272 | 13 | 1.7 | 63 | 75 | 2.2 | | | | | |
| 16 | 16 18 | 24.3 | 60 | 17.5 | 140 | 51.3 | 7.1 | 0.3A | 5 | 167 | 18 | 0.14 | 1.1 | 2.0 B | 298 | 9 | 0.8 | 32 | 26 | 0.9 | 190 | 62 | 4.1 | | | | | | |
| 16 | 16 18 | 38.8 | 60 | 0.8 | 140 | 41.5 | 4.2 | 1.2 | 11 | 7 | 164 | 24 | 0.55 | 0.8 | 0.8 A | 276 | 3 | 0.5 | 7 | 22 | 1.4 | 179 | 68 | 1.5 | | | | | |
| 16 | 16 22 | 50 | 28.6 | 60 | 12.1 | 141 | 54.7 | 2.7 | 0.8 | 9 | 5 | 85 | 19 | 0.49 | 0.4 | 1.0 A | 297 | 6 | 0.6 | 28 | 8 | 0.6 | 171 | 80 | 2.0 | | | | |
| 16 | 16 23 | 2 | 57.0 | 61 | 19.0 | 146 | 43.1 | 22.2 | 2.1 | 23 | 8 | 56 | 29 | 0.61 | 0.4 | 0.6 A | 290 | 4 | 0.4 | 199 | 7 | 0.7 | 49 | 82 | 1.2 | | | | |
| 17 | 1 1 | 2.3 | 60 | 13.1 | 140 | 58.4 | 9.0 | 0.8A | 7 | 2 | 122 | 8 | 0.16 | 2.2 | 1.5 B | 313 | 24 | 1.0 | 81 | 40 | 0.7 | 206 | 33 | 4.8 | | | | | |
| 17 | 2 5 | 38.8 | 60 | 3.8 | 139 | 13.0 | 9.2 | 1.7 | 10 | 4 | 213 | 26 | 0.76 | 2.5 | 1.4 B | 317 | 11 | 0.9 | 261 | 24 | 4.0 | 73 | 48 | 1.8 | | | | | |
| 17 | 2 16 | 48.8 | 60 | 13.4 | 140 | 57.6 | 10.6 | 1.0A | 9 | 123 | 9 | 0.14 | 0.9 | 1.9 A | 102 | 5 | 0.8 | 261 | 44 | 3.0 | 10 | 15 | 0.9 | | | | | | |
| 17 | 2 16 | 53.6 | 60 | 18.6 | 141 | 16.8 | 14.4 | 1.8 | 18 | 5 | 115 | 21 | 0.49 | 0.5 | 0.8 A | 329 | 14 | 0.6 | 81 | 15 | 0.7 | 206 | 60 | 1.6 | | | | | |
| 17 | 2 16 | 56 | 57.1 | 60 | 58.6 | 152 | 12.2 | 2.7 | 1.3 | 8 | 3 | 171 | 24 | 0.68 | 1.8 | 0.8 B | 285 | 9 | 3.3 | 193 | 13 | 0.5 | 49 | 74 | 1.5 | | | | |
| 17 | 1 11 | 59 | 32.9 | 61 | 11.2 | 152 | 12.3 | 5.5 | 0.0A | 3 | 3 | 283 | 8 | 0.01 | 1.7 | 2.5 B | 333 | 7 | 1.4 | 261 | 17 | 2.9 | 87 | 65 | 4.6 | | | | |
| 17 | 12 34 | 42.7 | 60 | 8.8 | 139 | 31.5 | 11.2 | 1.3 | 6 | 1 | 211 | 22 | 0.51 | 3.0 | 3.1 C | 331 | 16 | 1.3 | 81 | 38 | 1.5 | 224 | 45 | 7.8 | | | | | |
| 17 | 15 40 | 57.4 | 63 | 16.7 | 150 | 32.2 | 144.9 | 3.1 | 11 | 6 | 131 | 153 | 0.33 | 5.4 | 9.5 D | 312 | 15 | 3 | 0.6 | 284 | 11 | 0.6 | 120 | 79 | 1.6 | | | | |
| 17 | 15 43 | 5.3 | 59 | 4.4 | 137 | 9.1 | 0.4 | 1.9 | 9 | 4 | 168 | 107 | 0.47 | 7.9 | 5.1 D | 222 | 3 | 1.0 | 301 | 3 | 1.0 | 211 | 4 | 3.3 | 68 | 85 | 2.3 | | |
| 17 | 16 14 | 48.1 | 60 | 9.5 | 141 | 11.0 | 9.1 | 1.2 | 12 | 5 | 104 | 8 | 0.46 | 0.7 | 0.4 A | 292 | 12 | 0.6 | 198 | 19 | 0.7 | 208 | 59 | 2.1 | | | | | |
| 17 | 17 18 | 35.4 | 61 | 35.7 | 146 | 20.5 | 32.0 | 2.2 | 21 | 7 | 87 | 25 | 0.64 | 0.6 | 0.6 A | 116 | 6 | 0.6 | 211 | 34 | 0.9 | 17 | 55 | 1.3 | | | | | |
| 17 | 17 21 | 13 | 53.6 | 60 | 15.9 | 141 | 18.7 | 6.9 | 1.0 | 12 | 3 | 108 | 16 | 0.23 | 0.6 | 1.1 A | 115 | 1 | 0.6 | 24 | 27 | 0.7 | 207 | 63 | 2.2 | | | | |
| 17 | 17 23 | 10 | 19.7 | 60 | 7.4 | 141 | 23.6 | 5.3 | 1.1 | 10 | 3 | 141 | 17 | 0.18 | 0.8 | 1.3 A | 199 | 1 | 1.5 | 289 | 4 | 0.7 | 95 | 86 | 2.4 | | | | |
| 18 | 18 4 | 50 | 39.0 | 60 | 15.6 | 141 | 18.0 | 8.3 | 1.5 | 16 | 6 | 108 | 16 | 0.31 | 0.6 | 1.0 A | 335 | 19 | 0.5 | 81 | 19 | 0.7 | 208 | 59 | 2.1 | | | | |
| 18 | 18 4 | 53 | 33.8 | 60 | 40.9 | 143 | 5.3 | 0.1 | 1.1 | 10 | 4 | 75 | 29 | 0.71 | 0.6 | 25.0 D | 336 | 0 | 0.9 | 261 | 0 | 1.0 | 0 | 90 | 99.0 | | | | |
| 18 | 18 5 19 | 58.4 | 60 | 15.0 | 141 | 19.9 | 10.8 | 0.6A | 6 | 3 | 167 | 14 | 0.14 | 1.2 | 1.7 B | 116 | 1 | 0.8 | 32 | 1 | 0 | 208 | 58 | 3.8 | | | | | |
| 18 | 18 6 40 | 48.5 | 60 | 9.0 | 141 | 9.2 | 3.5 | 1.4 | 5 | 9 | 4 | 168 | 107 | 0.46 | 0.5 | 0.7 A | 278 | 9 | 0.5 | 12 | 27 | 0.8 | 171 | 61 | 1.5 | | | | |
| 18 | 18 7 16 | 51.4 | 60 | 16.1 | 141 | 7.5 | 7.6 | 1.0 | 10 | 3 | 119 | 14 | 0.27 | 1.0 | 1.6 B | 316 | 16 | 0.6 | 54 | 24 | 1.0 | 196 | 60 | 3.5 | | | | | |
| 18 | 18 9 | 58 | 22.6 | 60 | 8.4 | 141 | 11.0 | 2.3 | 1.1 | 13 | 5 | 99 | 9 | 0.47 | 0.6 | 0.9 A | 285 | 6 | 0.5 | 17 | 18 | 1.0 | 177 | 71 | 1.7 | | | | |
| 18 | 18 11 14 | 21.3 | 61 | 35.0 | 149 | 54.2 | 44.2 | 1.9 | 18 | 8 | 72 | 8 | 0.37 | 0.5 | 1.0 A | 275 | 4 | 0.6 | 5 | 4 | 1.0 | 140 | 84 | 1.9 | | | | | |
| 18 | 18 11 37 | 23.2 | 60 | 13.7 | 141 | 2.8 | 7.2 | 0.4A | 5 | 5 | 177 | 8 | 0.13 | 0.9 | 1.5 B | 92 | 3 | 1.0 | 0 | 0 | 0 | 25 | 1.1 | 188 | 65 | 3.0 | | | |
| 18 | 18 17 53 | 42.8 | 60 | 6.7 | 140 | 43.7 | 8.1 | 1.1 | 10 | 4 | 133 | 18 | 0.36 | 0.9 | 1.0 A | 95 | 6 | 0.5 | 0 | 37 | 1.6 | 193 | 52 | 2.0 | | | | | |
| 18 | 18 21 59 | 34.7 | 60 | 8.0 | 141 | 11.0 | 14.8 | 1.7 | 4 | 102 | 9 | 0.45 | 0.7 | 0.5 A | 290 | 9 | 0.7 | 195 | 27 | 1.4 | 37 | 61 | 0.8 | | | | | | |
| 19 | 19 1 18 | 27.2 | 59 | 52.7 | 145 | 30.1 | 28.8 | 1.9A | 11 | 4 | 61 | 0.46 | 1.3 | 1.0 A | 26 | 6 | 2.5 | 117 | 14 | 1.4 | 273 | 75 | 1.9 | | | | | | |
| 19 | 19 3 15 | 56.3 | 62 | 10.9 | 149 | 18.8 | 47.0 | 2.8 | 20 | 11 | 113 | 63 | 0.61 | 0.9 | 2.3 B | 275 | 2 | 0.9 | 5 | 13 | 1.4 | 176 | 77 | 4.5 | | | | | |
| 19 | 19 3 17 | 19.3 | 60 | 12.1 | 141 | 16.0 | 12.4 | 1.0 | 8 | 4 | 104 | 13 | 0.21 | 0.9 | 0.8 A | 322 | 24 | 0.6 | 81 | 30 | 0.9 | 206 | 44 | 2.0 | | | | | |
| 19 | 19 6 2 | 9.5 | 60 | 17.3 | 141 | 0.3 | 5.8 | 0.9A | 7 | 4 | 129 | 15 | 0.62 | 0.7 | 1.7 B | 91 | 11 | 0.8 | 357 | 18 | 0.7 | 211 | 69 | 3.3 | | | | | |
| 19 | 19 12 6 | 10.0 | 60 | 1.9 | 139 | 40.9 | 20.2 | 1.1 | 8 | 4 | 185 | 9 | 0.67 | 3.4 | 0.7 C | 222 | 4 | 6.3 | 314 | 30 | 1.0 | 125 | 60 | 1.3 | | | | | |
| 19 | 19 15 27 | 39.0 | 60 | 8.1 | 141 | 14.3 | 5.3 | 0.7 | 7 | 3 | 135 | 11 | 0.14 | 0.8 | 1.0 A | 279 | 5 | 0.5 | 12 | 28 | 1.2 | 180 | 61 | 2.1 | | | | | |
| 19 | 19 16 31 | 7.1 | 60 | 8.1 | 141 | 14.1 | 4.8 | 0.4 | 4 | 3 | 134 | 10 | 0.66 | 0.8 | 1.9 B | 278 | 5 | 12 | 1.3 | 166 | 77 | 3.6 | | | | | | | |
| 19 | 19 17 27 | 26.0 | 60 | 14.2 | 141 | 17.3 | 11.7 | 1.4 | 17 | 9 | 106 | 14 | 0.56 | 0.4 | 0.6 A | 317 | 14 | 0.5 | 54 | 27 | 0.6 | 201 | 61 | 1.2 | | | | | |
| 19 | 19 17 31 | 7.6 | 60 | 14.3 | 141 | 18.4 | 13.2 | 0.7 | 10 | 7 | 106 | 14 | 0.47 | 0.7 | 0.9 A | 81 | 16 | 0.9 | 327 | 27 | 1.4 | 194 | 51 | 1.9 | | | | | |
| 19 | 19 20 27 | 23.5 | 60 | 8.0 | 141 | 9.7 | 12.9 | 2.5 | 18 | 6 | 95 | 8 | 0.54 | 0.6 | 0.5 A | 275 | 1 | 0.6 | 184 | 36 | 1.1 | 6 | 54 | 0.9 | | | | | |
| 19 | 19 20 31 | 7.5 | 61 | 19.4 | 152 | 5.6 | 4.0 | 0.2A | 3 | 2 | 174 | 7 | 0.05 | 0.8 | 11.0 D | 20 | 24 | 1.2 | 124 | 28 | 1.6 | 256 | 52 | 26.3 | | | | | |
| 19 | 19 21 48 | 55.1 | 60 | 7.8 | 141 | 8.2 | 16.0 | 1.2A | 5 | 3 | 117 | 6 | 0.36 | 1.0 | 0.8 A | 287 | 25 | 0.9 | 177 | 37 | 2.0 | 43 | 43 | 1.4 | | | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MARCH 1984

| ORIGIN TIME | LAT | N | LONG | | | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | | |
|-----------------------|-----|------|------|------|------|------|-------|-----|-----|------|------|------|------|-----|-----|-----|-----|------|-----|-----|------|------|------|------|-----|-----|-----|--|
| | | | DEG | MIN | SEC | | | | | | | | | | | | DEG | MIN | SEC | KM | DEG | MIN | SEC | KM | DEG | MIN | SEC | |
| 1984 MAR 19 23 5 51.0 | 61 | 6.5 | 152 | 12.0 | 0.8A | 3 | 3 | 177 | 11 | 0.29 | 25.0 | 25.0 | D | 308 | 26 | 2.6 | 200 | 33 | 0.6 | 68 | 46 | 99.0 | | | | | | |
| 20 0 22 14.7 | 60 | 30.0 | 145 | 30.0 | 14.1 | 0.4A | 8 | 4 | 244 | 17 | 0.22 | 1.6 | 1.0 | B | 45 | 12 | 3.1 | 310 | 22 | 1.5 | 162 | 65 | 1.9 | | | | | |
| 20 0 48 51.3 | 60 | 16.2 | 140 | 42.9 | 11.6 | 0.4A | 5 | 5 | 150 | 22 | 0.19 | 2.2 | 4.3 | C | 291 | 6 | 0.8 | 24 | 25 | 1.6 | 188 | 64 | 8.9 | | | | | |
| 20 1 21 7.1 | 60 | 4.8 | 140 | 58.2 | 14.2 | 0.4A | 4 | 3 | 170 | 9 | 0.21 | 1.3 | 1.7 | B | 188 | 16 | 1.8 | 89 | 31 | 1.0 | 302 | 54 | 3.8 | | | | | |
| 20 2 53 22.9 | 60 | 17.8 | 140 | 42.7 | 12.6 | 0.8A | 10 | 7 | 155 | 24 | 0.32 | 1.1 | 2.6 | B | 309 | 13 | 0.7 | 43 | 17 | 1.0 | 183 | 68 | 5.2 | | | | | |
| 20 2 54 56.4 | 60 | 18.1 | 140 | 42.6 | 12.1 | 0.5A | 7 | 6 | 147 | 24 | 0.24 | 1.7 | 2.8 | C | 294 | 6 | 0.9 | 27 | 28 | 1.6 | 193 | 61 | 5.8 | | | | | |
| 20 3 35 21.0 | 61 | 40.3 | 150 | 17.9 | 44.8 | 2.2 | 23 | 9 | 137 | 22 | 0.50 | 0.6 | 1.0 | A | 90 | 4 | 0.6 | 180 | 4 | 1.1 | 315 | 84 | 1.8 | | | | | |
| 20 3 37 13.6 | 59 | 59.1 | 141 | 39.4 | 10.1 | 1.1 | 15 | 6 | 176 | 21 | 0.64 | 0.7 | 1.0 | A | 275 | 5 | 0.7 | 183 | 18 | 1.3 | 20 | 71 | 1.9 | | | | | |
| 20 4 12 50.2 | 61 | 56.3 | 149 | 59.0 | 41.5 | 2.0 | 16 | 7 | 169 | 33 | 0.46 | 1.0 | 1.3 | A | 103 | 4 | 0.7 | 10 | 34 | 1.5 | 199 | 56 | 2.7 | | | | | |
| 20 5 14 37.8 | 60 | 18.7 | 153 | 12.6 | 144 | 38.8 | 3.6 | 22 | 3 | 170 | 26 | 0.31 | 1.9 | 3.1 | B | 138 | 3 | 1.4 | 81 | 13 | 2.8 | 240 | 55 | 5.0 | | | | |
| 20 7 28 35.7 | 59 | 24.8 | 138 | 54.5 | 27.8 | 1.1 | 6 | 4 | 282 | 5 | 0.19 | 3.7 | 0.9 | C | 44 | 3 | 7.0 | 137 | 41 | 2.4 | 311 | 49 | 1.0 | | | | | |
| 20 8 49 28.9 | 60 | 11.9 | 141 | 15.5 | 13.3 | 0.5 | 9 | 5 | 104 | 13 | 0.22 | 1.0 | 1.1 | A | 291 | 11 | 0.7 | 31 | 41 | 1.0 | 189 | 47 | 2.6 | | | | | |
| 20 9 36 9.0 | 60 | 5.7 | 140 | 53.5 | 8.1 | 1.0 | 11 | 9 | 133 | 10 | 0.45 | 0.7 | 0.6 | A | 98 | 15 | 0.4 | 201 | 41 | 1.3 | 352 | 45 | 1.2 | | | | | |
| 20 12 31 37.3 | 62 | 1.5 | 150 | 24.3 | 47.0 | 2.0 | 18 | 4 | 180 | 50 | 0.53 | 1.0 | 1.0 | A | 101 | 14 | 0.6 | 358 | 41 | 2.3 | 206 | 46 | 1.3 | | | | | |
| 20 15 20 57.7 | 60 | 46.6 | 144 | 38.8 | 27.7 | 1.7 | 23 | 11 | 57 | 21 | 0.56 | 0.4 | 0.5 | A | 39 | 22 | 0.6 | 23 | 23 | 0.5 | 270 | 57 | 1.2 | | | | | |
| 20 16 55 9.9 | 61 | 16.2 | 140 | 31.1 | 3.3 | 0.5A | 4 | 4 | 278 | 56 | 0.38 | 3.2 | 25.0 | D | 115 | 1 | 2.4 | 25 | 3 | 3.7 | 223 | 87 | 85.6 | | | | | |
| 20 17 38 52.7 | 60 | 13.3 | 141 | 53.6 | 5.8 | 0.1A | 6 | 4 | 184 | 17 | 0.53 | 1.7 | 1.8 | B | 320 | 8 | 0.8 | 261 | 41 | 1.9 | 59 | 40 | 3.7 | | | | | |
| 20 17 46 36.8 | 61 | 11.9 | 149 | 33.7 | 38.5 | 1.8 | 15 | 8 | 74 | 5 | 0.39 | 0.5 | 0.8 | A | 191 | 9 | 0.7 | 284 | 15 | 0.8 | 71 | 72 | 1.5 | | | | | |
| 20 18 17 25.6 | 60 | 4.3 | 141 | 16.9 | 11.4 | 1.4 | 17 | 6 | 149 | 9 | 0.32 | 0.7 | 0.4 | A | 14 | 12 | 1.4 | 280 | 18 | 0.5 | 136 | 68 | 0.8 | | | | | |
| 20 18 26 28.4 | 61 | 11.9 | 149 | 37.8 | 30.8 | 2.2 | 28 | 8 | 48 | 6 | 0.60 | 0.4 | 1.1 | A | 316 | 9 | 0.7 | 224 | 11 | 0.6 | 84 | 76 | 2.0 | | | | | |
| 20 20 14 39.2 | 60 | 16.4 | 140 | 43.9 | 9.9 | 0.6A | 9 | 5 | 150 | 21 | 0.26 | 1.2 | 2.1 | B | 91 | 5 | 0.8 | 359 | 26 | 1.2 | 191 | 63 | 4.4 | | | | | |
| 20 20 36 33.8 | 60 | 6.2 | 141 | 15.6 | 8.8 | 0.9 | 12 | 5 | 141 | 9 | 0.29 | 0.8 | 0.7 | A | 287 | 6 | 0.5 | 193 | 36 | 1.6 | 25 | 53 | 1.1 | | | | | |
| 20 21 8 51.8 | 60 | 16.0 | 141 | 25.4 | 7.8 | 0.7 | 9 | 6 | 116 | 14 | 0.39 | 0.7 | 1.2 | A | 311 | 1 | 0.6 | 41 | 8 | 1.4 | 214 | 82 | 2.2 | | | | | |
| 20 23 15 48.1 | 61 | 25.9 | 149 | 55.5 | 39.9 | 1.8 | 18 | 11 | 59 | 25 | 0.49 | 0.4 | 0.8 | A | 289 | 1 | 0.6 | 199 | 2 | 0.8 | 46 | 88 | 1.5 | | | | | |
| 21 1 17 32.3 | 59 | 57.4 | 140 | 12.6 | 6.3 | 0.7 | 8 | 4 | 170 | 16 | 0.87 | 1.8 | 1.7 | B | 140 | 11 | 0.6 | 261 | 39 | 1.2 | 40 | 41 | 4.4 | | | | | |
| 21 1 36 56.2 | 60 | 6.2 | 140 | 41.8 | 4.3 | 1.2 | 12 | 7 | 136 | 20 | 0.58 | 0.7 | 0.8 | A | 99 | 5 | 0.5 | 6 | 37 | 1.0 | 196 | 53 | 1.8 | | | | | |
| 21 2 28 42.8 | 60 | 21.4 | 143 | 15.9 | 12.6 | 1.3 | 12 | 6 | 143 | 25 | 0.66 | 0.6 | 1.4 | B | 10 | 4 | 1.2 | 280 | 7 | 0.7 | 130 | 82 | 2.7 | | | | | |
| 21 7 19 38.9 | 60 | 6.6 | 141 | 3.8 | 4.9 | 0.9 | 7 | 4 | 93 | 5 | 0.56 | 0.5 | 0.5 | A | 98 | 10 | 0.8 | 197 | 42 | 0.8 | 357 | 46 | 1.0 | | | | | |
| 21 9 17 25.7 | 59 | 54.2 | 136 | 37.4 | 1.0 | 2.5 | 9 | 6 | 209 | 137 | 0.34 | 3.4 | 3.0 | C | 309 | 25 | 4.7 | 81 | 31 | 3.3 | 198 | 35 | 6.6 | | | | | |
| 21 13 53 51.5 | 60 | 15.0 | 141 | 6.4 | 10.4 | 1.3 | 11 | 7 | 118 | 11 | 0.29 | 0.7 | 0.7 | A | 325 | 24 | 0.5 | 81 | 32 | 0.8 | 209 | 44 | 1.7 | | | | | |
| 21 14 16 34.8 | 60 | 2.8 | 141 | 4.6 | 19.8 | 0.4 | 5 | 3 | 225 | 3 | 0.34 | 1.8 | 0.8 | B | 199 | 10 | 3.3 | 104 | 26 | 1.9 | 308 | 62 | 1.2 | | | | | |
| 21 15 55 18.8 | 60 | 12.9 | 141 | 8.8 | 10.7 | 0.6 | 10 | 5 | 112 | 9 | 0.27 | 0.7 | 0.7 | A | 288 | 0 | 0.6 | 198 | 40 | 1.7 | 18 | 50 | 1.0 | | | | | |
| 21 16 36 13.2 | 60 | 11.5 | 141 | 20.5 | 24.3 | 0.9A | 12 | 6 | 93 | 44 | 0.31 | 1.2 | 9.0 | D | 120 | 1 | 1.5 | 30 | 4 | 2.0 | 224 | 86 | 16.9 | | | | | |
| 21 17 48 2.5 | 60 | 5.6 | 152 | 19.9 | 12.0 | 0.5A | 3 | 3 | 283 | 29 | 0.03 | 5.7 | 7.3 | D | 326 | 9 | 2.6 | 81 | 32 | 1.0 | 224 | 49 | 16.7 | | | | | |
| 21 18 38 23.8 | 59 | 35.9 | 150 | 29.7 | 26.2 | 0.7A | 7 | 4 | 263 | 16 | 0.19 | 1.4 | 1.3 | B | 208 | 21 | 1.2 | 316 | 39 | 3.1 | 97 | 44 | 2.0 | | | | | |
| 21 22 27 27.3 | 61 | 36.8 | 150 | 33.3 | 12.6 | 2.2 | 20 | 9 | 126 | 19 | 0.53 | 0.4 | 0.5 | A | 4 | 7 | 0.7 | 273 | 8 | 0.6 | 135 | 79 | 1.0 | | | | | |
| 22 0 8 4.3 | 61 | 17.6 | 140 | 53.7 | 2.3 | 1.4 | 10 | 5 | 233 | 44 | 0.31 | 1.2 | 9.0 | D | 120 | 1 | 1.5 | 30 | 4 | 2.0 | 224 | 86 | 16.9 | | | | | |
| 22 1 31 46.7 | 61 | 7.8 | 150 | 22.9 | 57.0 | 2.9 | 23 | 9 | 52 | 42 | 0.48 | 0.4 | 1.3 | A | 94 | 1 | 0.6 | 4 | 3 | 0.7 | 202 | 87 | 2.4 | | | | | |
| 22 3 26 59.5 | 60 | 23.4 | 140 | 29.6 | 12.3 | 1.2 | 11 | 8 | 170 | 35 | 0.77 | 0.6 | 1.0 | A | 308 | 5 | 0.5 | 40 | 23 | 1.0 | 206 | 66 | 2.0 | | | | | |
| 22 4 51 35.7 | 60 | 10.9 | 141 | 6.9 | 10.6 | 0.4A | 5 | 4 | 161 | 5 | 0.09 | 1.1 | 0.7 | A | 279 | 6 | 0.7 | 186 | 25 | 2.3 | 22 | 64 | 1.1 | | | | | |
| 22 9 37 29.2 | 59 | 51.5 | 141 | 32.4 | 6.1 | 1.3 | 8 | 191 | 32 | 0.65 | 0.5 | 0.8 | A | 106 | 7 | 0.6 | 198 | 18 | 0.9 | 356 | 71 | 1.5 | | | | | | |
| 22 17 53 52.9 | 60 | 14.4 | 141 | 13.5 | 13.1 | 0.9A | 9 | 5 | 110 | 14 | 0.26 | 0.8 | 0.9 | A | 303 | 20 | 0.6 | 45 | 30 | 0.9 | 184 | 53 | 2.1 | | | | | |
| 22 20 17 48.5 | 60 | 36.4 | 143 | 32.4 | 10.4 | 1.7 | 18 | 9 | 101 | 40 | 0.82 | 0.4 | 1.6 | B | 293 | 0 | 0.4 | 23 | 1 | 0.7 | 203 | 89 | 3.0 | | | | | |
| 22 20 49 41.5 | 60 | 52.8 | 149 | 33.2 | 36.5 | 1.7 | 18 | 9 | 73 | 29 | 0.36 | 0.5 | 0.8 | A | 217 | 9 | 0.6 | 310 | 18 | 0.7 | 102 | 70 | 1.6 | | | | | |
| 22 24 25 41.2 | 60 | 23.4 | 141 | 16.0 | 11.5 | 0.8 | 11 | 6 | 123 | 27 | 0.46 | 0.6 | 1.1 | A | 311 | 2 | 0.6 | 42 | 21 | 0.8 | 216 | 69 | 2.3 | | | | | |
| 22 25 49.5 | 60 | 22.5 | 141 | 17.8 | 18.7 | 1.2A | 8 | 6 | 120 | 25 | 0.38 | 1.0 | 1.6 | B | 113 | 12 | 0.7 | 17 | 26 | 1.0 | 226 | 61 | 3.4 | | | | | |
| 22 29 50.9 | 60 | 30.6 | 149 | 32.4 | 2.0 | 2.0 | 20 | 10 | 88 | 26 | 0.55 | 0.6 | 0.6 | A | 217 | 4 | 0.5 | 310 | 37 | 0.8 | 122 | 53 | 1.4 | | | | | |
| 22 30 59.1 | 60 | 24.4 | 145 | 4.5 | 18.4 | 1.5 | 13 | 8 | 148 | 16 | 0.63 | 0.7 | 0.7 | A | 21 | 20 | 1.3 | 125 | 33 | 0.7 | 265 | 50 | 1.6 | | | | | |
| 22 30 59.9 | 60 | 9.9 | 141 | 6.4 | 14.1 | 0.3A | 3 | 1 | 196 | 4 | 0.00 | 19.7 | 2.5 | D | 203 | 4 | 2.0 | 297 | | | | | | | | | | |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MARCH 1984 | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|----|
| ORIGIN | TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | GAP | DJ | RMS | SEH | SEZ Q | AZI | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | | |
| | | DEG | MIN | SEC | DEG | MIN | | | |
| 1984 | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | HR MN SEC | | | |
| MAR 23 | 0 27 20.1 | 60 | 23.2 | 145 | 6.3 | 21.1 | 1.1A | 9 | 4 | 244 | 17 | 0.43 | 1.1 | 1.0 A | 25 | 20 | 1.8 | 133 | 39 | 1.1 | 274 | 44 | | |
| | 0 54 18.2 | 60 | 3.3 | 141 | 11.6 | 11.2 | 0.4A | 3 | 1 | 234 | 14 | 0.00 | 8.6 | 8.3 D | 149 | 29 | 5.3 | 261 | 31 | 2.2 | 27 | 44 | | |
| | 2 51 27.9 | 62 | 33.8 | 151 | 15.2 | 86.0 | 2.5 | 11 | 4 | 271 | 67 | 0.29 | 3.8 | 2.3 C | 167 | 18 | 6.9 | 81 | 38 | 2.3 | 280 | 48 | | |
| | 5 16 33.9 | 61 | 34.2 | 150 | 3.0 | 49.5 | 2.0 | 19 | 4 | 104 | 13 | 0.52 | 0.8 | 1.2 A | 91 | 2 | 0.9 | 181 | 9 | 1.5 | 349 | 81 | | |
| | 5 40 51.2 | 60 | 17.5 | 141 | 17.4 | 18.0 | 0.8A | 5 | 2 | 150 | 21 | 0.12 | 2.3 | 3.6 C | 83 | 21 | 1.7 | 344 | 22 | 1.0 | 212 | 59 | | |
| | 5 43 25.8 | 60 | 19.9 | 141 | 16.4 | 10.1 | 1.1 | 7 | 4 | 126 | 24 | 0.44 | 1.0 | 1.7 B | 313 | 8 | 0.8 | 47 | 27 | 1.2 | 208 | 62 | | |
| | 6 10 10.0 | 61 | 60.0 | 151 | 20.4 | 86.6 | 2.4 | 15 | 8 | 195 | 10 | 0.30 | 1.1 | 1.0 A | 83 | 13 | 1.1 | 343 | 38 | 2.3 | 188 | 49 | | |
| | 8 38 8.0 | 58 | 47.8 | 154 | 3.5 | 84.6 | 4.3 | 12 | 1 | 156 | 149 | 0.27 | 4.1 | 17.4 D | 11 | 1 | 3.0 | 280 | 8 | 6.1 | 108 | 82 | | |
| 23 | 9 41 17.8 | 60 | 7.4 | 141 | 14.9 | 8.4 | 0.5A | 4 | 3 | 221 | 12 | 0.12 | 4.2 | 1.7 C | 287 | 5 | 1.0 | 19 | 18 | 8.2 | 182 | 71 | | |
| | 13 0 8.5 | 60 | 15.1 | 140 | 56.4 | 8.9 | 1.1 | 14 | 5 | 129 | 12 | 0.32 | 0.9 | 0.9 A | 294 | 3 | 0.5 | 26 | 40 | 1.1 | 200 | 50 | | |
| | 13 54 1.6 | 62 | 53.5 | 149 | 23.8 | 91.5 | 3.2 | 13 | 3 | 150 | 133 | 0.77 | 4.0 | 8.2 D | 268 | 0 | 2.2 | 358 | 16 | 6.2 | 178 | 74 | | |
| 23 | 9 41 17.8 | 60 | 7.4 | 140 | 47.8 | 12.4 | 1.2 | 9 | 5 | 141 | 20 | 0.46 | 1.0 | 1.4 B | 304 | 8 | 0.7 | 39 | 31 | 1.0 | 201 | 58 | | |
| | 21 55 14.5 | 60 | 12.9 | 141 | 54.4 | 7.8 | 1.0 | 5 | 3 | 102 | 18 | 0.39 | 1.0 | 1.4 B | 1 | 22 | 0.9 | 261 | 24 | 1.3 | 129 | 57 | | |
| | 22 17 56.0 | 60 | 18.7 | 141 | 19.0 | 12.6 | 0.7A | 9 | 2 | 113 | 24 | 0.35 | 1.1 | 1.5 B | 308 | 6 | 1.0 | 42 | 33 | 1.4 | 209 | 56 | | |
| | 4 14.4 | 60 | 3.1 | 141 | 48.9 | 8.1 | 1.2 | 10 | 5 | 168 | 12 | 0.51 | 0.5 | 0.7 A | 181 | 2 | 0.9 | 90 | 28 | 0.7 | 275 | 62 | | |
| | 6 8 35.8 | 59 | 18.9 | 152 | 51.9 | 75.3 | 3.2 | 19 | 6 | 132 | 75 | 0.42 | 1.1 | 2.5 B | 175 | 3 | 1.6 | 266 | 19 | 1.4 | 76 | 71 | | |
| 23 | 19 41 8.1 | 60 | 17.5 | 140 | 47.8 | 3.4 | ML | ATWC | | | | | | | | | | | | | | | | |
| 24 | 7 43 57.8 | 62 | 17.8 | 148 | 47.5 | 40.6 | 2.2 | 19 | 6 | 112 | 60 | 0.44 | 1.5 | 3.9 C | 81 | 7 | 1.1 | 335 | 12 | 1.8 | 197 | 69 | | |
| | 13 31.6 | 61 | 38.5 | 149 | 27.1 | 30.3 | 1.6 | 19 | 8 | 142 | 23 | 0.51 | 0.6 | 0.8 A | 15 | 3 | 1.1 | 284 | 10 | 0.6 | 121 | 80 | | |
| | 16 12.7 | 60 | 7.1 | 140 | 56.7 | 6.6 | 0.8 | 8 | 2 | 168 | 6 | 0.28 | 1.3 | 0.6 A | 18 | 7 | 2.4 | 111 | 20 | 0.6 | 270 | 69 | | |
| | 16 43 35.9 | 61 | 45.3 | 150 | 29.3 | 52.7 | 3.5 | 25 | 3 | 85 | 34 | 0.25 | 0.8 | 1.6 B | 150 | 2 | 1.3 | 81 | 3 | 1.1 | 279 | 69 | | |
| 24 | 7 43 57.8 | 62 | 17.8 | 148 | 47.5 | 40.6 | 2.2 | 19 | 6 | 112 | 60 | 0.44 | 1.5 | 3.9 C | 81 | 7 | 1.1 | 335 | 12 | 1.8 | 197 | 69 | | |
| | 22 56 46.6 | 60 | 22.3 | 141 | 48.8 | 17.9 | 1.0 | 6 | 4 | 123 | 27 | 0.19 | 0.8 | 1.3 B | 336 | 13 | 0.8 | 81 | 19 | 0.9 | 217 | 63 | | |
| | 0 59 24.5 | 59 | 18.1 | 151 | 27.2 | 13.7 | 1.1 | 10 | 4 | 295 | 19 | 0.19 | 1.1 | 0.8 A | 358 | 4 | 1.9 | 265 | 36 | 2.3 | 93 | 54 | | |
| | 34 44.8 | 62 | 54.9 | 149 | 0.9 | 65.1 | 2.3 | 10 | 7 | 142 | 128 | 0.27 | 4.2 | 12.9 D | 31 | 9 | 4.1 | 299 | 14 | 2.5 | 153 | 73 | | |
| | 58 25.1 | 60 | 3.7 | 151 | 49.8 | 62.0 | 2.7 | 22 | 10 | 116 | 30 | 0.34 | 0.7 | 1.3 A | 323 | 2 | 0.6 | 81 | 13 | 1.0 | 226 | 59 | | |
| | 8 20.5 | 59 | 6.8 | 153 | 46.6 | 80.9 | 2.8 | 14 | 6 | 183 | 131 | 0.30 | 2.1 | 4.5 C | 269 | 4 | 3.8 | 178 | 5 | 1.5 | 37 | 84 | | |
| | 10 20 3.9 | 60 | 12.3 | 140 | 59.6 | 8.1 | 0.9A | 7 | 5 | 118 | 6 | 0.23 | 3.4 | 3.6 C | 301 | 10 | 1.1 | 261 | 40 | 6.6 | 40 | 29 | | |
| | 32 43.1 | 60 | 12.7 | 141 | 16.1 | 16.4 | 0.5A | 7 | 4 | 126 | 15 | 0.54 | 1.0 | 1.0 A | 290 | 21 | 0.9 | 35 | 33 | 1.7 | 174 | 49 | | |
| | 45 36.0 | 61 | 35.4 | 149 | 58.1 | 41.2 | 1.8 | 17 | 11 | 96 | 8 | 0.48 | 0.5 | 0.7 A | 90 | 1 | 0.5 | 180 | 3 | 1.0 | 342 | 87 | | |
| | 50 30.3 | 60 | 56.1 | 152 | 12.7 | 10.0 | 0.7A | 4 | 4 | 178 | 29 | 0.32 | 3.9 | 25.0 D | 14 | 0 | 0.5 | 284 | 0 | 7.3 | 0 | 90 | | |
| | 53 17.1 | 61 | 21.6 | 148 | 49.3 | 32.0 | 1.9 | 23 | 15 | 73 | 21 | 0.69 | 0.4 | 0.5 A | 261 | 12 | 0.6 | 149 | 18 | 0.7 | 17 | 60 | | |
| | 19 60 43.2 | 60 | 10.1 | 140 | 56.6 | 10.1 | 1.4 | 20 | 13 | 45 | 32 | 0.84 | 0.4 | 0.8 A | 300 | 6 | 0.5 | 31 | 7 | 0.6 | 170 | 81 | | |
| | 32 21.5 | 60 | 21.5 | 141 | 48.5 | 7.4 | 1.1 | 6 | 5 | 82 | 4 | 0.19 | 1.0 | 0.6 A | 206 | 23 | 1.0 | 104 | 27 | 2.1 | 331 | 53 | | |
| | 48 21.4 | 61 | 46.1 | 7.7 | 1.4 | 10 | 6 | 83 | 1 | 0.39 | 0.5 | 0.6 A | 273 | 1 | 0.9 | 4 | 15 | 0.6 | 179 | 75 | | | | |
| | 50 30.3 | 60 | 11.0 | 149 | 42.9 | 11.6 | 1.0 | 16 | 12 | 60 | 26 | 0.75 | 0.5 | 0.8 A | 206 | 17 | 0.5 | 302 | 19 | 0.7 | 77 | 64 | | |
| | 35.2 | 61 | 26.2 | 143 | 42.4 | 16.4 | 2.2 | 20 | 6 | 97 | 33 | 0.48 | 0.6 | 0.9 A | 284 | 4 | 0.5 | 17 | 30 | 0.8 | 187 | 60 | | |
| | 12 57.3 | 60 | 21.2 | 141 | 45.9 | 6.6 | 1.5 | 11 | 5 | 84 | 1 | 0.59 | 0.5 | 0.7 A | 12 | 8 | 0.7 | 280 | 15 | 0.9 | 129 | 73 | | |
| | 36.3 | 61 | 32.5 | 148 | 50.6 | 32.5 | 1.8 | 28 | 13 | 112 | 31 | 0.44 | 0.5 | 0.6 A | 209 | 3 | 0.6 | 117 | 23 | 0.9 | 306 | 67 | | |
| | 59.0 | 60 | 32.7 | 141 | 35.4 | 15.6 | 0.8 | 6 | 4 | 107 | 22 | 0.26 | 0.6 | 1.2 A | 283 | 4 | 1.1 | 14 | 17 | 0.8 | 180 | 73 | | |
| | 11.0 | 61 | 1.4 | 149 | 42.9 | 11.6 | 1.0 | 16 | 12 | 60 | 23 | 0.67 | 0.6 | 1.0 A | 210 | 4 | 1.1 | 120 | 12 | 0.7 | 318 | 77 | | |
| | 22.6 | 62 | 26.9 | 151 | 59.0 | 0.1 | 2.2 | 13 | 10 | 183 | 57 | 0.66 | 1.5 | 1.2 B | 36 | 19 | 2.8 | 140 | 35 | 1.8 | 283 | 49 | | |
| | 29.6 | 63 | 57.3 | 140 | 46.7 | 0.6 | 0.8 | 7 | 3 | 194 | 26 | 0.29 | 1.2 | 2.0 B | 290 | 0 | 0.9 | 201 | 20 | 2.0 | 20 | 3.9 | | |
| | 33.2 | 64 | 33.1 | 141 | 36.1 | 23.1 | 1.6 | 15 | 9 | 103 | 23 | 0.67 | 0.5 | 0.8 A | 33 | 11 | 0.9 | 126 | 13 | 0.8 | 264 | 73 | | |
| | 37.1 | 64 | 1.4 | 149 | 42.9 | 11.6 | 1.0 | 16 | 12 | 60 | 23 | 0.67 | 0.6 | 1.2 A | 283 | 4 | 1.1 | 14 | 17 | 0.8 | 180 | 73 | | |
| | 31.4 | 64 | 7.3 | 141 | 31.4 | 7.3 | 1.2 | 9 | 6 | 125 | 23 | 0.67 | 0.6 | 1.0 A | 210 | 4 | 1.1 | 120 | 12 | 0.7 | 318 | 77 | | |
| | 29.4 | 65 | 59.0 | 140 | 46.7 | 0.6 | 0.8 | 7 | 3 | 194 | 26 | 0.29 | 1.2 | 2.0 B | 290 | 0 | 0.9 | 201 | 20 | 2.0 | 20 | 3.9 | | |
| | 34.9 | 66 | 33.2 | 141 | 36.1 | 23.1 | 1.6 | 15 | 9 | 103 | 23 | 0.67 | 0.5 | 0.8 A | 33 | 11 | 0.9 | 126 | 13 | 0.8 | 264 | 73 | | |
| | 34.9 | 67 | 10.9 | 141 | 9.9 | 15.4 | 0.8 | 8 | 4 | 134 | 8 | 0.24 | 1.2 | 0.7 A | 287 | 13 | 0.7 | 192 | 20 | 2.3 | 48 | 66 | | |
| | 49 24.5 | 60 | 10.9 | 141 | 51.0 | 141 | 27.1 | 3.6 | 1.7 | 16 | 7 | 184 | 30 | 0.52 | 0.9 | 1.2 A | 121 | 8 | 0.9 | 216 | 30 | 1.2 | 18 | 59 |
| | 49 24.5 | 60 | 10.9 | 141 | 51.0 | 142 | 58.3 | 2.3 | 1.2 | 12 | 6 | 93 | 7 | 0.41 | 0.5 | 2.1 B | 341 | 4 | 0.6 | 261 | 4 | 0.9 | 108 | 78 |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MARCH 1984 | | | | | | | | | | | |
|--|-----|----|------|------|-------|------|------|------|-------|-----|-----|
| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS |
| | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | KM | DEG | SEC | KM | DEG | SEC |
| MAR | 28 | 1 | 30 | 13.6 | 60 | 14.0 | 153 | 35.8 | 173.0 | 3.5 | 22 |
| 28 | 11 | 23 | 16.5 | 61 | 37.5 | 149 | 56.2 | 44.5 | 2.0 | 21 | 10 |
| 28 | 14 | 0 | 38.0 | 61 | 30.7 | 150 | 3.9 | 45.5 | 1.6 | 15 | 9 |
| 28 | 15 | 28 | 28.4 | 60 | 8.4 | 141 | 8.2 | 0.9 | 0.4A | 3 | 3 |
| 28 | 16 | 8 | 20.0 | 61 | 14.9 | 152 | 18.5 | 4.5 | 0.8 | 3 | 3 |
| 28 | 21 | 21 | 56.7 | 60 | 43.4 | 141 | 15.6 | 24.4 | 1.1 | 5 | 2 |
| 29 | 0 | 48 | 22.5 | 60 | 13.6 | 141 | 8.1 | 0.4 | 0.5A | 8 | 5 |
| 29 | 5 | 6 | 49.5 | 61 | 18.2 | 151 | 56.4 | 10.7 | 0.0A | 3 | 3 |
| 29 | 5 | 23 | 26.7 | 61 | 55.3 | 150 | 52.1 | 63.8 | 2.3 | 20 | 10 |
| 29 | 5 | 25 | 45.3 | 63 | 6.6 | 150 | 25.8 | 80.3 | 2.6 | 13 | 7 |
| 29 | 6 | 8 | 34.4 | 61 | 18.3 | 146 | 49.9 | 26.9 | 2.1 | 24 | 9 |
| 29 | 11 | 2 | 56.2 | 61 | 56.8 | 149 | 47.0 | 44.3 | 2.3 | 19 | 10 |
| 29 | 11 | 37 | 53.7 | 61 | 57.1 | 150 | 0.6 | 42.8 | 2.2 | 17 | 9 |
| 29 | 12 | 5 | 16.1 | 61 | 43.6 | 151 | 17.1 | 77.1 | 3.0 | 21 | 11 |
| 29 | 12 | 57 | 17.7 | 60 | 33.4 | 141 | 37.1 | 14.0 | 1.2 | 13 | 6 |
| 29 | 13 | 40 | 22.9 | 61 | 6.3 | 151 | 46.5 | 22.2 | 0.3A | 3 | 3 |
| 29 | 16 | 52 | 30.1 | 62 | 14.1 | 149 | 31.4 | 45.1 | 2.4 | 16 | 9 |
| 29 | 18 | 52 | 4.3 | 60 | 6.8 | 148 | 32.9 | 4.3 | 3.0A | 30 | 6 |
| 29 | 18 | 52 | 24.3 | 60 | 6.6 | 148 | 31.3 | 9.9 | 2.9 | 20 | 3 |
| | | | | | 3.7 | ML | ATWC | | | | |
| 29 | 23 | 37 | 5.4 | 60 | 2.3 | 141 | 48.7 | 9.7 | 1.0 | 10 | 6 |
| 30 | 0 | 36 | 40.1 | 59 | 53.8 | 140 | 43.7 | 0.4 | 1.0A | 4 | 2 |
| 30 | 0 | 40 | 0.4 | 60 | 13.7 | 141 | 39.4 | 11.3 | 0.7 | 4 | 1 |
| 30 | 2 | 50 | 9.7 | 62 | 4.7 | 150 | 17.6 | 0.3 | 1.8 | 11 | 5 |
| 30 | 3 | 49 | 48.6 | 60 | 7.3 | 141 | 16.8 | 9.3 | 0.6A | 3 | 2 |
| 30 | 10 | 0 | 36.5 | 60 | 45.4 | 152 | 2.9 | 20.4 | 0.9A | 7 | 6 |
| 30 | 12 | 42 | 59.7 | 61 | 5.9 | 152 | 11.8 | 10.4 | 0.7 | 4 | 4 |
| 30 | 13 | 8 | 42.8 | 58 | 55.8 | 152 | 23.3 | 58.8 | 2.9 | 16 | 5 |
| 30 | 13 | 59 | 41.5 | 60 | 13.3 | 140 | 57.4 | 8.3 | 1.5 | 11 | 23 |
| 30 | 15 | 4 | 13.6 | 61 | 39.8 | 149 | 47.1 | 39.3 | 2.0 | 15 | 7 |
| 30 | 16 | 29 | 49.0 | 60 | 11.9 | 140 | 56.8 | 10.7 | 1.0A | 7 | 3 |
| 30 | 17 | 36 | 48.4 | 61 | 48.3 | 148 | 40.8 | 2.6 | 1.4 | 8 | 4 |
| 30 | 17 | 50 | 58.5 | 61 | 3.8 | 146 | 10.7 | 13.7 | 2.1 | 24 | 7 |
| 30 | 22 | 31 | 34.1 | 60 | 56.3 | 147 | 18.6 | 12.1 | 2.1 | 30 | 10 |
| 30 | 23 | 3 | 11.7 | 60 | 13.7 | 141 | 3.5 | 8.8 | 0.7 | 6 | 2 |
| 31 | 3 | 29 | 45.0 | 62 | 10.2 | 151 | 3.5 | 75.0 | 2.4 | 19 | 8 |
| 31 | 4 | 36 | 57.1 | 61 | 21.6 | 150 | 7.0 | 44.9 | 2.2 | 26 | 8 |
| 31 | 14 | 28 | 42.0 | 60 | 13.4 | 141 | 7.1 | 8.4 | 1.1A | 10 | 2 |
| 31 | 14 | 32 | 8.0 | 60 | 39.3 | 140 | 39.8 | 6.9 | 1.3 | 10 | 5 |
| 31 | 23 | 33 | 43.7 | 59 | 6.3 | 136 | 51.7 | 4.7 | 1.7 | 5 | 3 |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MARCH 1984 | | | | | | | | | | | |
|--|-----|----|------|------|-------|------|------|------|-------|-----|-----|
| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS |
| | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | KM | DEG | SEC | KM | DEG | SEC |
| MAR | 28 | 1 | 30 | 13.6 | 60 | 14.0 | 153 | 35.8 | 173.0 | 3.5 | 22 |
| 28 | 11 | 23 | 16.5 | 61 | 37.5 | 149 | 56.2 | 44.5 | 2.0 | 21 | 10 |
| 28 | 14 | 0 | 38.0 | 61 | 30.7 | 150 | 3.9 | 45.5 | 1.6 | 15 | 9 |
| 28 | 15 | 28 | 28.4 | 60 | 8.4 | 141 | 8.2 | 0.9 | 0.4A | 3 | 3 |
| 28 | 16 | 8 | 20.0 | 61 | 14.9 | 152 | 18.5 | 4.5 | 0.8 | 3 | 3 |
| 28 | 21 | 21 | 56.7 | 60 | 43.4 | 141 | 15.6 | 24.4 | 1.1 | 5 | 2 |
| 29 | 0 | 48 | 22.5 | 60 | 13.6 | 141 | 8.1 | 0.4 | 0.5A | 8 | 5 |
| 29 | 5 | 6 | 49.5 | 61 | 18.2 | 151 | 56.4 | 10.7 | 0.0A | 3 | 3 |
| 29 | 5 | 23 | 26.7 | 61 | 55.3 | 150 | 52.1 | 63.8 | 2.3 | 20 | 10 |
| 29 | 5 | 25 | 45.3 | 63 | 6.6 | 150 | 25.8 | 80.3 | 2.6 | 13 | 7 |
| 29 | 6 | 8 | 34.4 | 61 | 18.3 | 146 | 49.9 | 26.9 | 2.1 | 24 | 9 |
| 29 | 11 | 2 | 56.2 | 61 | 56.8 | 149 | 47.0 | 44.3 | 2.3 | 19 | 10 |
| 29 | 11 | 37 | 53.7 | 61 | 57.1 | 150 | 0.6 | 42.8 | 2.2 | 17 | 9 |
| 29 | 12 | 5 | 16.1 | 61 | 43.6 | 151 | 17.1 | 77.1 | 3.0 | 21 | 11 |
| 29 | 12 | 57 | 17.7 | 60 | 33.4 | 141 | 37.1 | 14.0 | 1.2 | 13 | 6 |
| 29 | 13 | 40 | 22.9 | 61 | 6.3 | 151 | 46.5 | 22.2 | 0.3A | 3 | 3 |
| 29 | 16 | 52 | 30.1 | 62 | 14.1 | 149 | 31.4 | 45.1 | 2.4 | 16 | 9 |
| 29 | 18 | 52 | 4.3 | 60 | 6.8 | 148 | 32.9 | 4.3 | 3.0A | 30 | 6 |
| 29 | 18 | 52 | 24.3 | 60 | 6.6 | 148 | 31.3 | 9.9 | 2.9 | 20 | 3 |
| | | | | | 3.7 | ML | ATWC | | | | |
| 29 | 23 | 37 | 5.4 | 60 | 2.3 | 141 | 48.7 | 9.7 | 1.0 | 10 | 6 |
| 30 | 0 | 36 | 40.1 | 59 | 53.8 | 140 | 43.7 | 0.4 | 1.0A | 4 | 2 |
| 30 | 0 | 40 | 0.4 | 60 | 13.7 | 141 | 39.4 | 11.3 | 0.7 | 4 | 1 |
| 30 | 2 | 50 | 9.7 | 62 | 4.7 | 150 | 17.6 | 0.3 | 1.8 | 11 | 5 |
| 30 | 3 | 49 | 48.6 | 60 | 7.3 | 141 | 16.8 | 9.3 | 0.6A | 3 | 2 |
| 30 | 10 | 0 | 36.5 | 60 | 45.4 | 152 | 2.9 | 20.4 | 0.9A | 7 | 6 |
| 30 | 12 | 42 | 59.7 | 61 | 5.9 | 152 | 11.8 | 10.4 | 0.7 | 4 | 4 |
| 30 | 13 | 8 | 42.8 | 58 | 55.8 | 152 | 23.3 | 58.8 | 2.9 | 16 | 5 |
| 30 | 13 | 59 | 41.5 | 60 | 13.3 | 140 | 57.4 | 8.3 | 1.5 | 11 | 23 |
| 30 | 15 | 4 | 13.6 | 61 | 39.8 | 149 | 47.1 | 39.3 | 2.0 | 15 | 7 |
| 30 | 16 | 29 | 49.0 | 60 | 11.9 | 140 | 56.8 | 10.7 | 1.0A | 7 | 3 |
| 30 | 17 | 36 | 48.4 | 61 | 48.3 | 148 | 40.8 | 2.6 | 1.4 | 8 | 4 |
| 30 | 17 | 50 | 58.5 | 61 | 3.8 | 146 | 10.7 | 13.7 | 2.1 | 24 | 7 |
| 30 | 22 | 31 | 34.1 | 60 | 56.3 | 147 | 18.6 | 12.1 | 2.1 | 30 | 10 |
| 30 | 23 | 3 | 11.7 | 60 | 13.7 | 141 | 3.5 | 8.8 | 0.7 | 6 | 2 |
| 31 | 3 | 29 | 45.0 | 62 | 10.2 | 151 | 3.5 | 75.0 | 2.4 | 19 | 8 |
| 31 | 4 | 36 | 57.1 | 61 | 21.6 | 150 | 7.0 | 44.9 | 2.2 | 26 | 8 |
| 31 | 14 | 28 | 42.0 | 60 | 13.4 | 141 | 7.1 | 8.4 | 1.1A | 10 | 2 |
| 31 | 14 | 32 | 8.0 | 60 | 39.3 | 140 | 39.8 | 6.9 | 1.3 | 10 | 5 |
| 31 | 23 | 33 | 43.7 | 59 | 6.3 | 136 | 51.7 | 4.7 | 1.7 | 5 | 3 |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - APRIL 1984 | | | | | | | | | | | |
|--|----------------|-----|------|------|------|-------|------|-----|----|------|-----|
| 1984 | ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI |
| HR | MIN | SEC | DEG | MIN | KM | DEG | KM | SEC | KM | SEH | SEZ |
| APR 1 | 5 59 41.4 | 60 | 14.2 | 141 | 28.1 | 9.0 | 1.0 | 9 | 6 | 11.7 | 20 |
| | 6 29 23.0 | 61 | 1.1 | 147 | 32.8 | 8.9 | 1.9 | 28 | 16 | 86 | 46 |
| | 1 9 10 50.7 | 59 | 35.3 | 138 | 5.8 | 17.5 | 1.2 | 6 | 4 | 315 | 47 |
| | 1 9 56 3.6 | 60 | 28.5 | 140 | 22.6 | 12.9 | 1.4 | 13 | 8 | 186 | 43 |
| | 1 10 5 39.3 | 60 | 35.2 | 147 | 23.2 | 28.0 | 2.1 | 26 | 14 | 130 | 53 |
| | 1 12 44 57.0 | 59 | 39.4 | 151 | 2.7 | 48.0 | 1.7 | 14 | 7 | 104 | 2 |
| | 1 15 29 28.4 | 60 | 16.8 | 140 | 40.7 | 11.6 | 0.6A | 9 | 4 | 147 | 24 |
| | 1 22 35 51.4 | 60 | 13.0 | 141 | 6.4 | 9.4 | 1.1 | 10 | 6 | 114 | 8 |
| | 2 9 0 21.4 | 60 | 13.0 | 152 | 51.0 | 91.0 | 2.7 | 24 | 6 | 151 | 4 |
| | 2 10 19 16.0 | 60 | 15.1 | 140 | 47.9 | 10.3 | 1.4 | 14 | 8 | 137 | 17 |
| | 2 12 51 40.1 | 61 | 35.3 | 149 | 45.7 | 44.7 | 2.0 | 19 | 11 | 113 | 9 |
| | 2 20 19 39.1 | 60 | 30.1 | 141 | 45.3 | 10.6 | 1.6 | 14 | 8 | 93 | 16 |
| | 2 22 38 12.2 | 62 | 4.1 | 151 | 0.2 | 66.5 | 2.5 | 18 | 6 | 205 | 29 |
| | 2 23 50 22.5 | 60 | 3.4 | 140 | 42.3 | 7.8 | 1.7 | 13 | 8 | 146 | 21 |
| | 3 2 57 23.8 | 59 | 18.0 | 151 | 30.2 | 10.2 | 0.9 | 10 | 5 | 301 | 20 |
| | 3 10 4 12.1 | 59 | 21.1 | 151 | 42.2 | 46.7 | 1.4 | 11 | 5 | 260 | 15 |
| | 4 1 53 16.6 | 60 | 38.4 | 139 | 55.2 | 1.0 | 1.5A | 8 | 4 | 220 | 63 |
| | 4 1 59 29.5 | 60 | 11.3 | 141 | 1.8 | 10.4 | 0.9 | 9 | 4 | 114 | 4 |
| | 4 9 32 26.2 | 60 | 41.6 | 144 | 59.6 | 28.3 | 1.1 | 13 | 6 | 79 | 21 |
| | 4 10 24 45.0 | 60 | 20.8 | 152 | 11.0 | 79.0 | 2.5 | 26 | 9 | 82 | 28 |
| | 4 12 13 47.7 | 61 | 37.6 | 146 | 23.6 | 21.1 | 2.9 | 24 | 8 | 85 | 55 |
| | 4 15 7 46.5 | 60 | 4.6 | 140 | 51.0 | 8.4 | 1.8 | 14 | 7 | 146 | 13 |
| | 4 19 56 15.8 | 60 | 38.2 | 144 | 49.9 | 17.1 | 0.8 | 10 | 4 | 104 | 24 |
| | 4 23 14 26.0 | 60 | 3.4 | 140 | 52.5 | 5.7 | 0.7 | 9 | 6 | 172 | 14 |
| | 5 0 3 9.0 | 60 | 57.6 | 149 | 39.7 | 37.1 | 2.1 | 21 | 7 | 56 | 32 |
| | 5 0 53 24.1 | 60 | 14.6 | 141 | 8.4 | 9.3 | 1.3 | 13 | 10 | 115 | 32 |
| | 5 0 58 47.8 | 60 | 13.9 | 141 | 13.2 | 5.6 | 0.6A | 4 | 3 | 169 | 13 |
| | 5 4 22 30.3 | 59 | 52.0 | 151 | 0.9 | 44.5 | 1.4 | 12 | 6 | 70 | 9 |
| | 5 7 13 2.6 | 61 | 8.3 | 151 | 23.8 | 11.4 | 1.6 | 24 | 9 | 57 | 36 |
| | 5 7 27 35.8 | 60 | 9.3 | 141 | 1.7 | 8.6 | 0.9 | 13 | 5 | 109 | 0 |
| | 5 12 32 25.9 | 61 | 17.3 | 149 | 17.3 | 35.3 | 1.4 | 21 | 12 | 58 | 15 |
| | 5 16 39 39.8 | 60 | 21.0 | 141 | 17.5 | 15.2 | 1.1 | 13 | 6 | 117 | 25 |
| | 5 17 48 54.5 | 60 | 17.0 | 141 | 13.5 | 15.6 | 2.1 | 17 | 10 | 115 | 18 |
| | 5 20 11 12.4 | 59 | 43.7 | 152 | 21.0 | 63.3 | 2.7 | 23 | 10 | 130 | 52 |
| | 5 21 12 4.9 | 60 | 24.3 | 141 | 38.5 | 12.1 | 1.6 | 14 | 5 | 99 | 8 |
| | 5 21 27 5.8 | 60 | 24.5 | 141 | 36.6 | 8.8 | 0.3 | 4 | 3 | 220 | 9 |
| | 5 22 45 13.0 | 60 | 24.3 | 141 | 37.7 | 9.6 | 0.1 | 5 | 2 | 116 | 8 |
| | 5 23 33 59.2 | 60 | 24.8 | 141 | 38.8 | 9.6 | 0.3 | 4 | 3 | 127 | 8 |
| | 6 0 7 56.8 | 60 | 28.5 | 142 | 53.3 | 0.7 | 1.1 | 8 | 4 | 111 | 4 |
| | 6 2 34 55.0 | 60 | 24.3 | 141 | 38.1 | 11.4 | 1.1 | 10 | 2 | 99 | 8 |
| | 6 4 19 43.0 | 60 | 23.6 | 141 | 15.5 | 13.4 | 1.6 | 15 | 6 | 121 | 27 |
| | 6 5 14 39.7 | 60 | 7.3 | 139 | 46.9 | 17.5 | 1.4 | 9 | 4 | 187 | 20 |
| | 6 6 43 23.9 | 60 | 44.3 | 150 | 40.0 | 35.6 | 1.8 | 27 | 10 | 44 | 31 |
| | 6 6 18 49 16.3 | 60 | 7.8 | 141 | 7.0 | 8.3 | 0.7 | 11 | 3 | 94 | 5 |
| | 6 6 23 47 11.7 | 60 | 59.7 | 149 | 44.4 | 39.6 | 1.8 | 27 | 10 | 50 | 29 |
| | 7 0 53 47.0 | 59 | 51.0 | 152 | 43.5 | 81.3 | 2.9 | 24 | 11 | 136 | 37 |

3.4 ML ATWC

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - APRIL 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DJ | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | | | |
|-------------|-----|----|------|------|-------|------|------|------|-------|-------|-----|-----|------|------|------|------|------|-----|------|-----|------|------|-----|------|-----|-----|------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | | | | | | | | | | | | | | | | | | | | | | | | |
| APR | 7 | 29 | 28.0 | 59 | 48.8 | 139 | 18.5 | 16.2 | 2.0 | 10 | 5 | 189 | 2.3 | 1.0 | B | 261 | 3 | 3.8 | 320 | 12 | 0.7 | 157 | 57 | 1.6 | | | |
| | 7 | 35 | 25.0 | 60 | 16.2 | 140 | 59.7 | 11.0 | 1.1 | 11 | 5 | 128 | 1.3 | 0.27 | 1.0 | 1.1 | A | 83 | 24 | 1.0 | 337 | 31 | 0.7 | 204 | 49 | 2.7 | |
| | 7 | 8 | 46.4 | 61 | 0.6 | 149 | 43.7 | 10.3 | 0.9 | 15 | 7 | 48 | 2.67 | 0.7 | 1.5 | B | 160 | 2 | 0.5 | 261 | 23 | 0.6 | 65 | 65 | 3.0 | | |
| | 7 | 10 | 35 | 20.5 | 59 | 53.1 | 151 | 17.1 | 53.3 | 0.6 | 14 | 5 | 92 | 0.25 | 0.9 | 1.3 | A | 261 | 1 | 1.4 | 328 | 21 | 0.6 | 69 | 59 | 2.5 | |
| | 7 | 12 | 31 | 24.9 | 60 | 5.1 | 141 | 5.4 | 13.3 | 0.7A | 3 | 2 | 222 | 8 | 0.08 | 4.6 | 1.7 | C | 107 | 11 | 0.9 | 14 | 18 | 9.0 | 227 | 69 | 1.7 |
| | 7 | 12 | 40 | 42.0 | 61 | 32.6 | 150 | 54.4 | 54.3 | 2.5 | 25 | 10 | 80 | 1.2 | 0.50 | 0.5 | 0.8 | A | 90 | 7 | 0.7 | 181 | 10 | 0.9 | 325 | 78 | 1.6 |
| | 7 | 16 | 32 | 6.3 | 61 | 11.9 | 152 | 0.9 | 98.9 | 2.7 | 28 | 8 | 49 | 3 | 0.42 | 0.8 | 0.9 | A | 169 | 20 | 1.0 | 81 | 33 | 1.2 | 289 | 52 | 1.9 |
| | 7 | 22 | 8 | 46.9 | 60 | 28.2 | 140 | 56.8 | 11.0 | 1.1 | 10 | 5 | 149 | 3.6 | 0.45 | 0.8 | 1.4 | B | 126 | 1 | 0.7 | 36 | 5 | 1.4 | 227 | 85 | 2.7 |
| | 8 | 5 | 19 | 10.6 | 60 | 42.8 | 143 | 4.5 | 3.8 | 1.6 | 15 | 10 | 122 | 58 | 0.59 | 0.6 | 9.3 | D | 294 | 0 | 0.6 | 24 | 1 | 1.1 | 204 | 89 | 17.5 |
| | 8 | 12 | 8 | 35.5 | 59 | 49.6 | 152 | 46.2 | 83.6 | 2.6 | 22 | 8 | 138 | 40 | 0.27 | 1.5 | 1.2 | A | 144 | 3 | 0.9 | 81 | 8 | 2.4 | 256 | 62 | 1.9 |
| | 8 | 20 | 24 | 34.6 | 59 | 38.9 | 152 | 37.7 | 82.9 | 3.0 | 23 | 12 | 138 | 60 | 0.30 | 1.1 | 1.2 | A | 315 | 7 | 0.8 | 261 | 31 | 1.5 | 56 | 43 | 2.1 |
| | | | | | 3.3 | ML | ATWG | | | | | | | | | | | | | | | | | | | | |
| | 8 | 21 | 22 | 30.3 | 61 | 5.7 | 151 | 1.1 | 15.4 | 1.7 | 23 | 13 | 50 | 41 | 0.59 | 0.3 | 1.0 | A | 190 | 5 | 0.6 | 99 | 7 | 0.5 | 315 | 81 | 2.0 |
| | 8 | 21 | 48 | 55.3 | 59 | 45.4 | 150 | 50.1 | 37.4 | 0.9 | 10 | 5 | 94 | 3 | 0.20 | 1.2 | 0.9 | A | 36 | 7 | 0.9 | 130 | 29 | 2.5 | 294 | 60 | 1.4 |
| | 8 | 22 | 4 | 21.4 | 59 | 55.9 | 152 | 38.2 | 68.4 | 2.4 | 21 | 11 | 210 | 30 | 0.55 | 1.1 | 1.3 | A | 326 | 2 | 0.9 | 261 | 12 | 1.8 | 65 | 62 | 2.3 |
| | 9 | 0 | 2 | 53.8 | 60 | 8.9 | 141 | 15.8 | 6.6 | 1.5 | 11 | 7 | 138 | 13 | 0.48 | 0.6 | 0.8 | A | 94 | 6 | 0.5 | 186 | 19 | 1.2 | 347 | 70 | 1.4 |
| | 9 | 1 | 34 | 20.5 | 60 | 28.6 | 153 | 20.8 | 175.5 | 3.7 | 23 | 7 | 162 | 44 | 0.39 | 2.0 | 2.7 | B | 335 | 8 | 1.7 | 261 | 18 | 3.3 | 90 | 65 | 5.0 |
| | 9 | 7 | 0 | 25.8 | 60 | 10.0 | 141 | 12.3 | 3.3 | 1.0 | 11 | 6 | 133 | 10 | 0.28 | 0.9 | 0.9 | A | 288 | 9 | 0.5 | 194 | 21 | 1.6 | 40 | 67 | 1.8 |
| | 9 | 7 | 27 | 44.8 | 60 | 5.7 | 141 | 6.4 | 7.2 | 1.3 | 11 | 5 | 145 | 8 | 0.57 | 1.0 | 0.7 | A | 108 | 5 | 1.4 | 35 | 14 | 205 | 54 | 205 | 1.8 |
| | 9 | 9 | 30 | 31.4 | 60 | 23.9 | 144 | 57.6 | 23.7 | 0.8 | 12 | 6 | 171 | 20 | 0.55 | 0.9 | 0.9 | A | 116 | 17 | 0.7 | 14 | 36 | 1.6 | 227 | 49 | 1.8 |
| | 9 | 10 | 27 | 29.9 | 61 | 18.1 | 152 | 11.1 | 5.8 | 0.7 | 3 | 3 | 288 | 4 | 0.03 | 1.1 | 1.0 | A | 31 | 3 | 1.0 | 300 | 21 | 2.1 | 129 | 69 | 1.8 |
| | 9 | 11 | 29 | 15.8 | 61 | 16.1 | 152 | 17.7 | 6.6 | -0.4A | 3 | 3 | 307 | 8 | 0.06 | 1.3 | 2.1 | B | 189 | 3 | 1.4 | 280 | 19 | 2.1 | 90 | 71 | 4.1 |
| | 9 | 13 | 46 | 34.7 | 61 | 10.4 | 149 | 32.2 | 37.9 | 1.0A | 13 | 7 | 53 | 8 | 0.29 | 0.7 | 0.9 | A | 276 | 2 | 1.2 | 186 | 15 | 1.1 | 13 | 75 | 1.6 |
| | 9 | 20 | 21 | 25.3 | 60 | 18.3 | 141 | 12.8 | 9.5 | 1.2 | 9 | 3 | 118 | 20 | 0.32 | 0.7 | 1.5 | B | 81 | 6 | 1.0 | 334 | 18 | 0.6 | 187 | 65 | 2.9 |
| | 10 | 2 | 23 | 50.4 | 62 | 12.6 | 151 | 14.4 | 77.0 | 2.4 | 14 | 6 | 254 | 30 | 0.66 | 1.6 | 1.7 | B | 81 | 14 | 1.8 | 175 | 33 | 2.9 | 331 | 54 | 3.3 |
| | 10 | 3 | 20 | 50.8 | 62 | 45.4 | 150 | 45.3 | 94.2 | 2.8 | 15 | 3 | 114 | 95 | 0.25 | 1.5 | 1.5 | D | 278 | 5 | 1.8 | 9 | 12 | 1.6 | 166 | 77 | 10.4 |
| | 10 | 5 | 41 | 1.5 | 63 | 14.9 | 150 | 14.1 | 91.5 | 2.6 | 7 | 3 | 302 | 156 | 0.15 | 17.8 | 25.0 | D | 81 | 14 | 6.3 | 332 | 18 | 16.0 | 201 | 61 | 66.9 |
| | 10 | 8 | 25 | 57.2 | 61 | 2.7 | 150 | 22.6 | 48.2 | 2.1 | 22 | 8 | 44 | 49 | 0.46 | 0.5 | 1.9 | B | 294 | 4 | 0.8 | 203 | 5 | 0.9 | 62 | 84 | 3.7 |
| | 10 | 8 | 44 | 27.7 | 60 | 9.3 | 150 | 16.3 | 34.1 | 1.2 | 13 | 5 | 108 | 34 | 0.27 | 0.7 | 1.4 | A | 319 | 6 | 0.9 | 261 | 10 | 0.7 | 85 | 56 | 2.2 |
| | 10 | 9 | 23 | 30.7 | 61 | 17.0 | 152 | 12.1 | 4.6 | 0.4 | 3 | 2 | 290 | 3 | 0.00 | 2.0 | 1.2 | B | 175 | 7 | 1.4 | 267 | 13 | 3.9 | 57 | 75 | 2.2 |
| | 10 | 10 | 28 | 51.8 | 60 | 20.1 | 141 | 15.7 | 8.8 | 0.8 | 5 | 2 | 124 | 24 | 0.08 | 10.3 | 24.2 | D | 295 | 0 | 1.7 | 25 | 23 | 1.4 | 205 | 67 | 49.3 |
| | 10 | 12 | 48 | 24.1 | 60 | 1.4 | 148 | 24.0 | 31.0 | 2.1 | 23 | 8 | 146 | 52 | 0.65 | 0.8 | 1.0 | A | 278 | 5 | 0.9 | 11 | 28 | 1.4 | 179 | 61 | 2.1 |
| | 10 | 14 | 36 | 5.3 | 62 | 16.0 | 151 | 19.7 | 86.9 | 2.6 | 17 | 5 | 172 | 34 | 0.30 | 1.2 | 1.2 | A | 287 | 1 | 1.5 | 196 | 42 | 2.5 | 18 | 48 | 1.8 |
| | 10 | 17 | 29 | 58.5 | 61 | 37.9 | 149 | 47.4 | 33.8 | 2.2 | 22 | 8 | 79 | 5 | 0.42 | 0.7 | 0.9 | A | 268 | 4 | 0.7 | 177 | 7 | 1.4 | 27 | 82 | 1.6 |
| | 10 | 19 | 15 | 44.1 | 61 | 59.0 | 147 | 31.8 | 38.4 | 2.0 | 21 | 8 | 167 | 20 | 0.73 | 1.1 | 0.7 | A | 342 | 19 | 2.2 | 86 | 35 | 0.7 | 229 | 49 | 1.2 |
| | 11 | 9 | 0 | 56.7 | 58 | 38.0 | 136 | 51.5 | 27.1 | 1.8 | 6 | 3 | 205 | 132 | 0.74 | 25.0 | 11.8 | D | 205 | 22 | 53.8 | 308 | 30 | 5.0 | 84 | 51 | 11.6 |
| | 11 | 12 | 47 | 10.7 | 61 | 11.5 | 149 | 53.6 | 15.4 | 1.0A | 5 | 5 | 157 | 19 | 0.24 | 2.3 | 3.8 | C | 302 | 17 | 1.5 | 204 | 24 | 1.4 | 64 | 60 | 8.1 |
| | 11 | 15 | 11 | 36.8 | 60 | 14.5 | 141 | 9.8 | 0.9 | 1.2 | 11 | 8 | 114 | 12 | 0.75 | 0.6 | 1.0 | A | 305 | 7 | 0.6 | 37 | 14 | 1.0 | 189 | 74 | 1.8 |
| | 11 | 18 | 27 | 10.2 | 59 | 59.2 | 152 | 48.0 | 97.5 | 2.7 | 24 | 9 | 181 | 22 | 0.34 | 1.5 | 2.1 | B | 81 | 1 | 2.5 | 327 | 5 | 1.4 | 181 | 65 | 3.7 |
| | 11 | 19 | 3 | 24.3 | 60 | 6.0 | 141 | 8.9 | 5.0 | 0.3 | 4 | 2 | 221 | 9 | 0.22 | 2.8 | 2.1 | C | 276 | 29 | 1.2 | 26 | 32 | 5.7 | 153 | 44 | 3.7 |
| | 11 | 19 | 11 | 48.5 | 60 | 14.6 | 140 | 45.9 | 13.1 | 1.7 | 12 | 7 | 138 | 18 | 0.36 | 0.8 | 0.9 | A | 115 | 2 | 0.7 | 24 | 39 | 1.1 | 207 | 51 | 2.0 |
| | 11 | 20 | 21 | 40.6 | 60 | 16.5 | 140 | 17.0 | 10.1 | 1.2 | 8 | 7 | 171 | 20 | 0.75 | 1.9 | 1.2 | B | 324 | 18 | 0.9 | 261 | 30 | 3.2 | 88 | 47 | 1.6 |
| | 11 | 20 | 39 | 49.9 | 61 | 54.6 | 148 | 22.6 | 36.7 | 2.4 | 12 | 164 | 12 | 0.54 | 1.0 | 0.6 | A | 169 | 9 | 1.8 | 81 | 34 | 0.8 | 272 | 55 | 1.2 | |
| | 12 | 9 | 6 | 6.9 | 60 | 16.0 | 140 | 45.1 | 8.6 | 2.1 | 14 | 7 | 141 | 20 | 0.45 | 0.8 | 0.9 | A | 290 | 4 | 0.7 | 23 | 37 | 1.1 | 195 | 53 | 1.9 |
| | 12 | 10 | 58 | 11.9 | 61 | 15.1 | 152 | 18.4 | 8.2 | 0.3A | 3 | 3 | 309 | 8 | 0.04 | 2.4 | 2.8 | C | 187 | 8 | 2.5 | 283 | 35 | 3.4 | 86 | 54 | 6.0 |
| | 12 | 14 | 23 | 59.7 | 60 | 21.9 | 141 | 25.7 | 14.7 | 3.0 | 16 | 6 | 109 | 18 | 0.58 | 0.7 | 0.9 | A | 103 | 2 | 0.7 | 13 | 13 | 1.2 | 202 | 77 | 1.7 |
| | 12 | 15 | 25 | 46.3 | 60 | 22.0 | 141 | 26.7 | 16.3 | 1.3 | 11 | 7 | 109 | 17 | 0.44 | 0.7 | 0.9 | A | 102 | 4 | 0.9 | 11 | 20 | 1.2 | 203 | 70 | 1.7 |
| | 12 | 16 | 3 | 24.7 | 60 | 21.5 | 141 | 22.9 | 13.0 | 0.7 | 7 | 3 | 112 | 20 | 0.38 | 1.0 | 1.3 | A | 173 | 17 | 1.9 | 81 | 18 | 1.4 | 305 | 65 | 2.5 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - APRIL 1984

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - APRIL 1984 | | | | | | | | | | | | | | | | | | | | | |
|--|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|-----|------|------|-----|-----|----|----|
| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | DEG | DEG | DEG | DEG | DEG | DEG | DEG | DEG | | |
| | | | | | | | | | | | | DEG | MIN | KM | DEG | DEG | KM | DEG | DEG | KM | |
| 1984 | HR | MN | SEC | DEG | MIN | KM | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | | |
| APR 12 18 42 | 33.6 | 62 | 34.4 | 149 | 31.5 | 15.0 | 2.1 | 18 | 14 | 139 | 104 | 0.85 | 1.6 | 2.0 | B | 168 | 14 | 2.3 | 268 | 34 | |
| APR 12 22 36.9 | 9.6 | 62 | 9.6 | 149 | 53.0 | 40.6 | 2.3 | 22 | 15 | 187 | 66 | 0.63 | 1.2 | 4.4 | B | 81 | 3 | 0.9 | 347 | 6 | |
| APR 13 10 47 54.2 | 61 | 5.7 | 5.7 | 149 | 30.3 | 36.6 | 1.0A | 4 | 5 | 216 | 117 | 0.10 | 1.3 | 2.2 | B | 261 | 1 | 2.3 | 154 | 7 | |
| APR 13 11 36 43.6 | 60 | 16.3 | 141 | 6.6 | 6.5 | 0.9 | 9 | 6 | 121 | 14 | 0.41 | 0.9 | 1.4 | B | 307 | 7 | 0.8 | 40 | 25 | | |
| APR 13 13 8 15.5 | 60 | 9.6 | 141 | 13.2 | 1.9 | 0.7 | 8 | 4 | 136 | 10 | 0.31 | 0.7 | 1.3 | A | 15 | 1 | 1.3 | 285 | 5 | | |
| APR 13 15 35 3.4 | 59 | 51.5 | 146 | 39.7 | 27.6 | 2.3 | 20 | 5 | 119 | 47 | 0.73 | 0.8 | 0.9 | A | 48 | 21 | 1.0 | 305 | 31 | | |
| APR 13 20 31 43.0 | 59 | 12.5 | 152 | 28.4 | 61.6 | 2.3 | 14 | 7 | 170 | 59 | 0.48 | 1.4 | 2.7 | B | 320 | 11 | 1.4 | 261 | 20 | | |
| APR 14 1 5 12.6 | 58 | 32.5 | 136 | 31.1 | 16.4 | 1.8 | 4 | 1 | 209 | 111 | 0.10 | 25.0 | 0 | D | 296 | 26 | 6.4 | 48 | 37 | | |
| APR 14 2 18 52.0 | 60 | 4.5 | 152 | 27.0 | 3.4 | 0.7A | 4 | 4 | 291 | 24 | 0.21 | 1.1 | 1.8 | B | 81 | 6 | 1.0 | 339 | 6 | | |
| APR 14 3 2 8.5 | 59 | 29.6 | 151 | 27.7 | 2.4 | 0.0A | 4 | 3 | 171 | 7 | 0.10 | 1.3 | 1.6 | B | 81 | 7 | 0.5 | 340 | 26 | | |
| APR 14 4 26 28.9 | 60 | 9.7 | 141 | 8.5 | 7.1 | 1.2 | 9 | 5 | 136 | 6 | 0.26 | 0.7 | 0.6 | A | 294 | 10 | 0.6 | 201 | 14 | | |
| APR 14 11 14 27.9 | 58 | 57.2 | 151 | 9.0 | 43.6 | 3.1 | 16 | 4 | 150 | 55 | 0.30 | 1.8 | 3.2 | C | 201 | 6 | 1.8 | 109 | 22 | | |
| APR 14 11 3.9 | MB | 3.9 | ML | ATWC | 16.0 | 1.6 | 8 | 3 | 103 | 27 | 0.53 | 1.4 | 5.1 | C | 188 | 7 | 0.7 | 280 | 10 | | |
| APR 14 17 57 56.0 | 61 | 1.4 | 149 | 44.9 | 85.8 | 2.6 | 17 | 7 | 108 | 86 | 0.45 | 1.2 | 3.9 | C | 84 | 1 | 1.6 | 354 | 15 | | |
| APR 14 19 15 48.2 | 62 | 37.9 | 150 | 37.9 | 143 | 5.3 | 2.2 | 14 | 6 | 161 | 33 | 0.65 | 0.9 | 25.0 | D | 303 | 0 | 0.6 | 33 | 1 | |
| APR 14 20 27.0 | 60 | 43.0 | 141 | 38.0 | 12.1 | 1.2A | 5 | 5 | 232 | 38 | 0.27 | 1.3 | 1.6 | B | 93 | 5 | 1.3 | 185 | 19 | | |
| APR 15 1 20 55.7 | 59 | 45.5 | 141 | 21.7 | 141 | 25.6 | 15.7 | 0.8A | 8 | 4 | 110 | 18 | 0.32 | 0.8 | 1.2 | A | 132 | 12 | 1.3 | 38 | 19 |
| APR 15 2 56 31.5 | 60 | 21.7 | 16.1 | 144 | 51.9 | 28.7 | 1.2 | 13 | 6 | 144 | 34 | 0.53 | 1.2 | 0.8 | A | 27 | 8 | 2.3 | 121 | 20 | |
| APR 15 7 15 20.1 | 60 | 16.5 | 141 | 13.6 | 17.3 | 1.6 | 12 | 7 | 114 | 17 | 0.33 | 0.5 | 0.7 | A | 300 | 14 | 0.5 | 36 | 22 | | |
| APR 15 7 46 49.8 | 60 | 16.5 | 141 | 13.6 | 11.3 | 2.2 | 14 | 7 | 120 | 9 | 0.18 | 0.6 | 0.6 | A | 81 | 24 | 0.7 | 309 | 25 | | |
| APR 15 10 21 19.0 | 60 | 14.1 | 141 | 3.0 | 37.3 | 1.0A | 10 | 5 | 107 | 11 | 0.17 | 1.4 | 1.2 | B | 39 | 10 | 0.8 | 307 | 12 | | |
| APR 15 11 3 28.0 | 59 | 48.3 | 150 | 42.0 | 8.5 | 0.1A | 4 | 4 | 172 | 7 | 0.39 | 1.4 | 1.3 | B | 193 | 30 | 0.9 | 303 | 31 | | |
| APR 15 13 48 59.7 | 61 | 8.8 | 152 | 10.3 | 32.2 | 3.2 | 40 | 10 | 72 | 19 | 0.32 | 0.4 | 0.6 | A | 296 | 6 | 0.6 | 28 | 20 | | |
| APR 15 16 59 35.2 | 60 | 41.6 | 148 | 21.5 | 3.8 | MB | 3.9 | ML | ATWC | 77.9 | 2.4 | 16 | 9 | 180 | 52 | 0.37 | 1.6 | 105 | 5 | | |
| APR 15 19 41 5.5 | 62 | 21.8 | 150 | 58.0 | 84.8 | 3.6 | 19 | 8 | 143 | 62 | 0.33 | 1.6 | 1.9 | B | 322 | 9 | 1.2 | 261 | 31 | | |
| APR 15 20 5 1.7 | 59 | 37.7 | 152 | 49.3 | 4.0 | MB | 4.3 | ML | ATWC | 68.0 | 2.2 | 19 | 10 | 90 | 15 | 0.46 | 0.6 | 1.0 | A | 88 | |
| APR 15 22 54 40.7 | 61 | 24.9 | 150 | 59.7 | 72.9 | 2.5 | 25 | 14 | 44 | 44 | 0.51 | 1.0 | 1.3 | A | 332 | 5 | 0.8 | 81 | 17 | | |
| APR 16 4 50 22.8 | 60 | 0.4 | 152 | 7.0 | 4.0 | 1.7 | 13 | 7 | 192 | 59 | 0.40 | 0.9 | 1.1 | A | 172 | 11 | 1.7 | 269 | 31 | | |
| APR 16 10 34 56.6 | 62 | 10.0 | 149 | 38.6 | 57.7 | 2.2 | 20 | 8 | 122 | 23 | 0.49 | 1.2 | 1.9 | B | 81 | 7 | 0.9 | 172 | 20 | | |
| APR 16 14 52 2.9 | 61 | 39.2 | 150 | 55.9 | 78.5 | 2.5 | 22 | 13 | 136 | 44 | 0.45 | 1.0 | 1.3 | A | 328 | 4 | 0.9 | 81 | 11 | | |
| APR 16 14 58 39.0 | 60 | 2.2 | 152 | 4.7 | 1.9 | 1.8 | 18 | 12 | 197 | 61 | 0.94 | 1.1 | 1.1 | A | 267 | 28 | 0.9 | 159 | 30 | | |
| APR 16 17 7 47.4 | 62 | 11.0 | 150 | 8.7 | 12.4 | 1.0 | 8 | 4 | 110 | 17 | 0.28 | 0.8 | 1.2 | A | 300 | 11 | 0.8 | 35 | 21 | | |
| APR 16 18 52 33.2 | 60 | 15.3 | 141 | 15.4 | 0.1 | 2.4 | 11 | 6 | 239 | 81 | 0.97 | 1.8 | 1.5 | B | 146 | 5 | 1.2 | 81 | 34 | | |
| APR 17 1 4 36.5 | 60 | 45.1 | 139 | 36.2 | 13.4 | 0.8 | 9 | 7 | 109 | 19 | 0.39 | 0.7 | 0.9 | A | 285 | 6 | 0.9 | 16 | 9 | | |
| APR 17 3 48 4.6 | 60 | 16.9 | 141 | 25.9 | 40.1 | 1.2A | 12 | 6 | 184 | 11 | 0.25 | 1.3 | 0.9 | A | 319 | 3 | 2.1 | 81 | 11 | | |
| APR 17 11 45 15.4 | 59 | 34.2 | 150 | 54.0 | 15.0 | 0.6 | 5 | 3 | 153 | 23 | 0.25 | 3.3 | 6.0 | D | 295 | 3 | 1.3 | 26 | 28 | | |
| APR 17 16 40 17.4 | 60 | 17.4 | 140 | 43.5 | 15.6 | 0.6 | 5 | 3 | 153 | 23 | 0.25 | 3.3 | 6.0 | D | 295 | 3 | 1.3 | 199 | 62 | | |
| APR 17 22 33 43.3 | 60 | 16.9 | 152 | 43.9 | 7.6 | 0.9A | 4 | 4 | 177 | 12 | 0.38 | 1.9 | 1.0 | B | 22 | 17 | 0.8 | 285 | 22 | | |
| APR 18 2 11 13.3 | 60 | 22.8 | 145 | 2.8 | 7.3 | 0.6A | 6 | 2 | 237 | 19 | 0.47 | 1.9 | 4.8 | C | 204 | 3 | 2.0 | 113 | 20 | | |
| APR 18 2 58 38.8 | 59 | 29.4 | 151 | 28.3 | 5.4 | 0.3A | 5 | 3 | 156 | 7 | 0.20 | 1.1 | 1.7 | B | 81 | 14 | 0.6 | 338 | 19 | | |
| APR 18 10 57 13.1 | 59 | 52.8 | 146 | 37.7 | 13.5 | 2.8 | 25 | 8 | 107 | 49 | 0.74 | 0.5 | 0.7 | A | 261 | 1 | 0.8 | 346 | 7 | | |
| APR 18 13 33 12.6 | 62 | 13.2 | 154 | 17.2 | 4.9 | 2.8 | 10 | 3 | 147 | 119 | 0.27 | 1.6 | 3.2 | C | 217 | 4 | 2.9 | 126 | 9 | | |
| APR 18 13 33 27.0 | 59 | 48.7 | 146 | 42.5 | 31.4 | 2.0 | 17 | 9 | 117 | 46 | 0.77 | 0.9 | 0.8 | A | 185 | 13 | 1.6 | 86 | 37 | | |
| APR 18 14 13 33.7 | 61 | 48.3 | 148 | 31.2 | 10.3 | 1.8 | 22 | 8 | 155 | 10 | 0.80 | 0.5 | 0.7 | A | 343 | 14 | 0.9 | 261 | 27 | | |
| APR 18 16 23 3.6 | 62 | 17.2 | 150 | 3.8 | 65.3 | 2.4 | 19 | 7 | 132 | 71 | 0.57 | 1.0 | 2.0 | B | 98 | 5 | 1.0 | 5 | 21 | | |
| APR 18 19 31 30.7 | 60 | 42.4 | 151 | 50.4 | 81.5 | 4.3 | 28 | 1 | 61 | 33 | 0.32 | 0.9 | 2.1 | B | 176 | 3 | 0.9 | 85 | 15 | | |
| 5.1 MB | 4.8 | ML | ATWC | 3.9 | ML | ATWC | 3.5 | ML | ATWC | 17 | 4 | 2.7 | 1.6 | 3.2 | C | 217 | 4 | 2.9 | 126 | 9 | |
| 18 13 33 27.0 | 59 | 48.7 | 146 | 42.5 | 31.4 | 2.0 | 17 | 9 | 117 | 46 | 0.77 | 0.9 | 0.8 | A | 185 | 13 | 1.6 | 86 | 37 | | |
| 18 14 13 33.7 | 61 | 48.3 | 148 | 31.2 | 10.3 | 1.8 | 22 | 8 | 155 | 10 | 0.80 | 0.5 | 0.7 | A | 343 | 14 | 0.9 | 261 | 27 | | |
| 18 16 23 3.6 | 62 | 17.2 | 150 | 3.8 | 65.3 | 2.4 | 19 | 7 | 132 | 71 | 0.57 | 1.0 | 2.0 | B | 98 | 5 | 1.0 | 5 | 21 | | |
| 18 19 31 30.7 | 60 | 42.4 | 151 | 50.4 | 81.5 | 4.3 | 28 | 1 | 61 | 33 | 0.32 | 0.9 | 2.1 | B | 176 | 3 | 0.9 | 85 | 15 | | |
| 5.1 MB | 4.8 | ML | ATWC | 3.9 | ML | ATWC | 3.5 | ML | ATWC | 17 | 4 | 2.7 | 1.6 | 3.2 | C | 217 | 4 | 2.9 | 126 | 9 | |

HOMER, MOOSE PASS, NILCHIK, SEWARD, TYONEK, WASILLA AND WHITTIER. ALSO FELT AT ANCHORAGE KENAI VALDEZ AND WILLOW.

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - APRIL 1984

| ORIGIN | TIME | LAT N | | | LONG W | | | DEPTH | | | MAG | | | NP NS | | | GAP | | | DI | | | RMS | | | SEH | | | SEZ Q | | | AZI | | | DIP1 | | | SEJ | | | AZ2 | | | DIP2 | | | SE2 | | | AZ3 | | | DIP3 | | | SE3 | | | | | | | | | | | | | | | |
|--------------|------|-------|------|-----|--------|-------|------|-------|-----|-----|------|------|-----|-------|-----|-----|-----|-----|------|-----|-----|-------|------|----------|------------|------|--------|------|-------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|-----|-----|------|----------|------|-----|------|-----|------|-----|-----|-----|---|-----|------|-----|-----|---|-----|---|-----|----|----|-----|-----|----|-----|
| | | 1984 | HR | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | | | | | | | | | | | | | | | | | | | | | |
| APR 18 20 20 | 25.3 | 63 | 5.2 | 150 | 58.3 | 98.8 | 3.6 | 13 | 3 | 128 | 0.36 | 1.1 | 5.8 | 0 | 43 | 0 | 1.1 | 313 | 3 | 1.9 | 133 | 87 | 10.8 | 18 20 44 | 35.3 | 57 | 29.3 | 137 | 8.5 | 18.0 | 2.5 | 10 | 3 | 202 | 0.35 | 25.0 | 25.0 | D | 309 | 21 | 1.5 | 53 | 34 | 9.1 | 193 | 49 | 99.0 | 18 22 47 | 26.9 | 60 | 49.3 | 152 | 2.8 | 4.0 | 0.8 | 9 | 4 | 138 | 0.51 | 0.9 | 1.1 | A | 189 | 2 | 0.5 | 98 | 40 | 1.0 | 281 | 50 | 2.5 |
| 19 10 33 | 23.2 | 61 | 10.1 | 152 | 9.5 | 4.3 | -0.2 | 3 | 3 | 285 | 6 | 0.03 | 1.3 | 1.9 | B | 261 | 9 | 2.0 | 320 | 19 | 1.0 | 144 | 53 | 3.2 | 19 10 45 | 17.5 | 60 | 43.0 | 139 | 44.7 | 3.8 | 1.5A | 7 | 4 | 232 | 75 | 0.64 | 2.4 | 2.7 | B | 335 | 4 | 1.4 | 261 | 37 | 3.0 | 70 | 50 | 5.8 | | | | | | | | | | | | | | | | | | | | | | |
| 19 14 35 | 23.4 | 60 | 56.4 | 147 | 25.2 | 12.0 | 2.1 | 26 | 11 | 52 | 50 | 0.43 | 0.4 | 0.7 | A | 189 | 3 | 0.8 | 280 | 19 | 0.5 | 90 | 71 | 1.3 | 19 15 56 | 15.6 | 60 | 10.0 | 140 | 58.3 | 8.7 | 0.3 | 6 | 3 | 127 | 4 | 0.22 | 1.6 | 1.1 | B | 104 | 25 | 1.0 | 212 | 34 | 3.6 | 346 | 46 | 0.8 | | | | | | | | | | | | | | | | | | | | | | |
| 19 19 59 | 7.1 | 59 | 52.3 | 140 | 18.2 | 32.3 | 1.0A | 6 | 3 | 185 | 25 | 0.50 | 4.8 | 5.6 | D | 124 | 4 | 1.0 | 217 | 40 | 2.1 | 29 | 50 | 13.7 | 19 20 14 | 37.9 | 61 | 34.6 | 149 | 50.2 | 55.8 | 3.3A | 29 | 7 | 86 | 9 | 0.39 | 0.7 | 1.4 | B | 269 | 4 | 0.7 | 179 | 12 | 1.2 | 17 | 77 | 2.7 | | | | | | | | | | | | | | | | | | | | | | |
| 19 20 14 | 51.0 | 61 | 34.5 | 149 | 48.8 | 52.7 | 3.3 | 13 | 7 | 134 | 51 | 0.37 | 1.0 | 2.2 | B | 107 | 2 | 0.9 | 198 | 5 | 1.8 | 355 | 85 | 4.2 | 20 0 40 | 16.4 | 60 | 6.1 | 151 | 27.2 | 54.8 | 2.1 | 19 | 10 | 92 | 11 | 0.39 | 0.6 | 1.2 | A | 338 | 8 | 0.6 | 81 | 12 | 0.9 | 219 | 71 | 2.3 | | | | | | | | | | | | | | | | | | | | | | |
| 20 2 12 | 25.6 | 59 | 29.9 | 151 | 28.2 | 6.6 | 0.2A | 7 | 4 | 139 | 7 | 0.13 | 0.9 | 1.2 | A | 81 | 12 | 0.6 | 340 | 26 | 1.2 | 193 | 60 | 2.5 | 20 2 34 | 47.2 | 60 | 21.4 | 140 | 44.9 | 9.9 | 0.3A | 8 | 4 | 151 | 28 | 0.56 | 1.5 | 4.0 | C | 309 | 10 | 0.9 | 41 | 16 | 1.4 | 188 | 71 | 7.9 | | | | | | | | | | | | | | | | | | | | | | |
| 20 4 24 | 49.3 | 61 | 39.7 | 152 | 5.4 | 118.2 | 4.0 | 25 | 9 | 146 | 40 | 0.42 | 1.2 | 1.3 | A | 101 | 19 | 2.1 | 198 | 21 | 1.4 | 332 | 61 | 2.7 | 4.5 MB | 3.0 | ML | ATWC | 3.0 | ML | ATWC | 3.8 | ML | ATWC | 6.7 | 150 | 48.2 | 61.0 | 2.3 | 18 | 8 | 199 | 41 | 0.43 | 1.2 | 1.3 | A | 92 | 14 | 1.1 | 187 | 19 | 2.2 | 328 | 66 | 2.6 | | | | | | | | | | | | | | | |
| 20 4 31 | 13.5 | 62 | 6.7 | 150 | 48.2 | 61.0 | 2.3 | 18 | 8 | 199 | 41 | 0.43 | 1.2 | 1.3 | A | 92 | 14 | 1.1 | 187 | 19 | 2.2 | 328 | 66 | 2.6 | 20 6 8 | 2.9 | 59 | 47.2 | 151 | 55.5 | 59.4 | 2.6 | 22 | 11 | 123 | 40 | 0.45 | 0.7 | 1.0 | A | 47 | 9 | 1.2 | 315 | 12 | 0.6 | 173 | 75 | 2.0 | | | | | | | | | | | | | | | | | | | | | | |
| 20 6 37 | 19.6 | 60 | 12.3 | 139 | 43.2 | 16.3 | 1.0 | 7 | 4 | 196 | 28 | 0.51 | 1.6 | 1.4 | B | 115 | 11 | 0.9 | 214 | 40 | 3.6 | 13 48 | 15.9 | 60 | 7.0 | 141 | 7.5 | 0.2 | 8 | 3 | 144 | 7 | 0.31 | 1.2 | 2.3 | B | 270 | 7 | 0.9 | 178 | 19 | 1.7 | 19 | 70 | 4.6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 7 40 | 38.1 | 60 | 55.8 | 147 | 14.5 | 23.5 | 2.5 | 27 | 14 | 49 | 42 | 0.51 | 0.3 | 0.8 | A | 198 | 7 | 0.5 | 289 | 10 | 0.4 | 73 | 78 | 1.5 | 20 17 55 | 6.6 | 61 | 37.7 | 142 | 40.6 | 17.3 | 1.4 | 10 | 4 | 229 | 64 | 0.34 | 2.7 | 4.4 | C | 302 | 2 | 1.3 | 33 | 27 | 3.5 | 208 | 63 | 9.0 | | | | | | | | | | | | | | | | | | | | | | |
| 20 18 28 | 50.4 | 61 | 48.4 | 148 | 23.4 | 35.1 | 2.1 | 22 | 12 | 155 | 3 | 0.50 | 0.7 | 0.4 | A | 334 | 14 | 1.4 | 81 | 25 | 0.6 | 220 | 57 | 0.7 | 20 21 36 | 2.7 | 58 | 54.4 | 141 | 11.4 | 31.0 | 1.5A | 10 | 7 | 268 | 133 | 0.39 | 4.4 | 25.0 | D | 299 | 0 | 4.6 | 209 | 1 | 8.1 | 29 | 89 | 99.0 | | | | | | | | | | | | | | | | | | | | | | |
| 20 22 10 | 35.2 | 58 | 26.4 | 153 | 38.6 | 63.1 | 2.5 | 11 | 6 | 235 | 103 | 0.39 | 6.2 | 13.2 | D | 358 | 11 | 1.4 | 216 | 21 | 4.8 | 114 | 66 | 27.0 | 20 23 52 | 33.3 | 59 | 58.0 | 140 | 44.0 | 0.8 | 1.3 | 4 | 190 | 27 | 0.22 | 1.1 | 1.2 | A | 284 | 2 | 0.6 | 193 | 36 | 1.5 | 17 | 54 | 2.7 | | | | | | | | | | | | | | | | | | | | | | | |
| 21 0 29 | 38.5 | 59 | 30.0 | 151 | 28.9 | 6.3 | 0.2A | 3 | 3 | 198 | 7 | 0.01 | 1.0 | 1.8 | B | 347 | 10 | 1.8 | 81 | 11 | 0.6 | 217 | 75 | 3.5 | 21 3 0 | 19.8 | 60 | 10.5 | 141 | 6.3 | 17.1 | 0.9 | 3 | 232 | 5 | 0.10 | 3.3 | 1.4 | C | 114 | 18 | 1.2 | 211 | 21 | 6.6 | 347 | 62 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | |
| 21 17 22 | 21.4 | 61 | 41.6 | 150 | 10.9 | 0.7 | 2.1 | 21 | 3 | 141 | 17 | 0.32 | 1.1 | 1.4 | B | 148 | 64 | 8.4 | 25.0 | D | 276 | 1 | 5.4 | 7 | 4 | 14.1 | 191 | 10 | 0.9 | 19 | 1.7 | 270 | 20 | 0.7 | 137 | 62 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 4 1 | 4.3 | 60 | 42.9 | 139 | 43.8 | 0.5 | 1.7 | 10 | 4 | 233 | 75 | 0.63 | 2.4 | 3.2 | C | 329 | 4 | 1.4 | 261 | 15 | 4.0 | 74 | 63 | 5.6 | 21 9 36 | 2.1 | 60 | 2.8 | 140 | 39.3 | 7.1 | 1.5 | 10 | 5 | 158 | 23 | 0.39 | 1.3 | 1.0 | A | 289 | 4 | 0.8 | 19 | 9 | 2.4 | 175 | 80 | 1.8 | | | | | | | | | | | | | | | | | | | | | | |
| 21 12 1 | 18.9 | 60 | 59.8 | 147 | 13.6 | 18.8 | 2.5 | 27 | 6 | 85 | 15 | 0.57 | 0.5 | 0.8 | A | 20 | 1 | 0.9 | 300 | 3 | 0.9 | 209 | 19 | 1.5 | 21 15 23.9 | 61 | 18.3 | 149 | 15.8 | 37.6 | 2.2 | 30 | 7 | 59 | 17 | 0.55 | 0.5 | 0.7 | A | 191 | 10 | 0.9 | 99 | 11 | 0.8 | 322 | 75 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | |
| 21 17 22 | 21.4 | 61 | 41.6 | 150 | 10.9 | 0.7 | 2.1 | 21 | 3 | 141 | 17 | 0.32 | 1.1 | 1.4 | B | 160 | 3 | 1.4 | 1.7 | B | 160 | 3 | 1.4 | 1.7 | B | 329 | 6 | 6.3 | 81 | 7 | 2.8 | 208 | 66 | 12.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 4 34 | 11.5 | 60 | 14.3 | 152 | 26.7 | 77.2 | 2.2 | 20 | 5 | 103 | 22 | 0.31 | 1.4 | 1.7 | B | 160 | 3 | 1.4 | 1.7 | B | 160 | 3 | 1.0 | 81 | 7 | 2.8 | 22 9 8 | 42.1 | 60 | 26.7 | 141 | 28.8 | 6.4 | 1.2 | 12 | 3 | 110 | 18 | 0.40 | 0.8 | 1.6 | B | 325 | 1 | 1.0 | 81 | 21 | 0.7 | 233 | 57 | 2.9 | | | | | | | | | | | | | | | | | | | | |
| 22 12 32 | 23.4 | 60 | 4.4 | 141 | 13.7 | 3.4 | 0.9A | 3 | 3 | 231 | 14 | 0.11 | 2.5 | 3.6 | C | 283 | 3 | 1.5 | 191 | 33 | 2.2 | 18 57 | 15 | 21.4 | 15 | 0.34 | 5 | 0.34 | 1.4 | 0.8 | B | 212 | 23 | 2.8 | 107 | 33 | 1.1 | 330 | 48 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 13 10 | 37.1 | 59 | 53.2 | 146 | 40.4 | 27.4 | 2.2 | 19 | 3 | 114 | 46 | 0.56 | 1.2 | 0.9 | A | 345 | 3 | 2.2 | 81 | 16 | 1.3 | 235 | 73 | 1.8 | 22 16 42 | 33.5 | 61 | 54.1 | 151 | 34.8 | 83.7 | 2.4 | 17 | 9 | 173 | 9 | 0.32 | 1.8 | 1.6 | B | 81 | 8 | 2.2 | 81 | 8 | 2.7 | 339 | 54 | 4.5 | | | | | | | | | | | | | | | | | | | | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - APRIL 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | |
|-------------------|-----|------|------|------|-------|-------|------|-----|-----|------|------|------|------|-----|------|-----|------|------|-----|------|------|-----|------|
| | | | | | | | | | | | | | | | | | | | | | | | |
| APR 22 19 50 25.7 | 61 | 25.2 | 151 | 31.9 | 15.7 | 0.7A | 4 | 5 | 144 | 28 | 0.40 | 0.7 | 8.7 | D | 1.34 | 1 | 1.2 | 44 | 2 | 0.6 | 251 | 88 | 16.3 |
| 23 10 13 28.8 | 61 | 15.4 | 152 | 10.8 | 2.7 | -0.6A | 3 | 3 | 266 | 2 | 0.03 | 1.4 | 1.2 | B | 187 | 18 | 1.2 | 291 | 37 | 3.0 | 76 | 47 | 1.6 |
| 23 15 32 5.3 | 62 | 36.6 | 149 | 27.6 | 39.7 | 2.0 | 16 | 11 | 139 | 107 | 0.59 | 2.6 | 14.5 | D | 335 | 4 | 2.0 | 81 | 7 | 1.8 | 220 | 72 | 26.5 |
| 23 18 20 59.8 | 57 | 47.0 | 137 | 33.9 | 12.7 | 2.7 | 7 | 2 | 210 | 157 | 0.43 | 20.5 | 23.5 | D | 133 | 7 | 4.2 | 37 | 40 | 11.8 | 231 | 49 | 57.3 |
| 23 21 18 40.5 | 60 | 12.5 | 139 | 44.3 | 15.6 | 0.8 | 5 | 3 | 230 | 29 | 0.37 | 3.0 | 2.5 | C | 114 | 3 | 1.4 | 206 | 38 | 6.7 | 20 | 52 | 2.8 |
| 23 21 20 25.1 | 60 | 12.7 | 139 | 39.5 | 9.1 | 2.4 | 10 | 4 | 199 | 29 | 0.64 | 2.1 | 1.3 | B | 309 | 9 | 0.9 | 215 | 25 | 4.2 | 57 | 63 | 1.8 |
| 23 21 25 8.7 | 60 | 6.8 | 139 | 49.3 | 16.9 | 1.1A | 5 | 4 | 219 | 21 | 0.42 | 3.4 | 1.1 | C | 119 | 6 | 1.0 | 210 | 9 | 6.4 | 356 | 79 | 1.9 |
| 23 22 23 24.9 | 60 | 15.6 | 139 | 34.4 | 10.6 | 2.4 | 11 | 6 | 206 | 34 | 0.72 | 1.7 | 1.5 | B | 319 | 9 | 0.9 | 261 | 35 | 3.1 | 61 | 43 | 1.9 |
| 23 22 49 37.7 | 60 | 11.2 | 139 | 43.4 | 16.3 | 1.8 | 10 | 4 | 194 | 27 | 0.49 | 2.2 | 1.5 | B | 301 | 4 | 1.0 | 209 | 30 | 4.6 | 38 | 60 | 1.7 |
| 24 0 12 3.5 | 62 | 20.7 | 148 | 4.0 | 29.1 | 2.1 | 16 | 8 | 205 | 61 | 0.56 | 1.9 | 1.3 | B | 173 | 22 | 3.7 | 81 | 28 | 1.6 | 299 | 55 | 2.4 |
| 24 0 54 48.7 | 60 | 5.6 | 139 | 51.9 | 26.0 | 0.8A | 4 | 2 | 214 | 20 | 0.11 | 10.5 | 2.8 | D | 297 | 13 | 1.6 | 204 | 13 | 20.2 | 71 | 71 | 2.8 |
| 24 2 10 19.6 | 59 | 30.2 | 151 | 28.4 | 5.4 | 0.2 | 8 | 6 | 145 | 7 | 0.17 | 1.0 | 1.8 | B | 328 | 14 | 1.0 | 81 | 16 | 0.6 | 207 | 59 | 3.5 |
| 24 2 51 8.5 | 61 | 27.0 | 151 | 55.4 | 89.7 | 2.5 | 9 | 168 | 17 | 0.36 | 1.2 | 1.8 | B | 197 | 3 | 1.6 | 106 | 24 | 1.9 | 294 | 66 | 3.7 | |
| 24 4 11 38.2 | 61 | 22.8 | 150 | 13.2 | 7.9 | 1.0A | 9 | 5 | 109 | 30 | 0.54 | 1.7 | 1.5 | B | 285 | 2 | 0.7 | 16 | 22 | 3.2 | 190 | 68 | 2.7 |
| 24 8 17 23.5 | 60 | 9.1 | 139 | 39.5 | 12.2 | 0.8 | 6 | 2 | 205 | 22 | 0.24 | 2.9 | 2.6 | C | 303 | 2 | 1.2 | 211 | 41 | 6.8 | 35 | 49 | 2.8 |
| 24 8 48 5.5 | 62 | 31.8 | 151 | 14.8 | 86.4 | 2.4 | 14 | 8 | 192 | 63 | 0.38 | 1.7 | 3.0 | C | 107 | 6 | 3.0 | 14 | 21 | 2.1 | 212 | 68 | 5.9 |
| 24 9 24 14.0 | 61 | 18.1 | 149 | 14.3 | 45.0 | 2.1 | 33 | 14 | 58 | 18 | 0.68 | 0.5 | 1.2 | A | 287 | 0 | 0.9 | 197 | 6 | 0.9 | 17 | 84 | 2.2 |
| 24 10 29 47.1 | 61 | 6.7 | 149 | 21.3 | 20.0 | 1.2A | 7 | 5 | 108 | 19 | 0.30 | 1.3 | 3.8 | C | 86 | 1 | 1.5 | 176 | 17 | 1.1 | 353 | 73 | 7.4 |
| 24 16 24 35.6 | 59 | 44.5 | 136 | 41.6 | 2.3 | 1.6 | 5 | 3 | 330 | 128 | 0.46 | 6.2 | 7.2 | D | 89 | 18 | 4.8 | 348 | 29 | 9.7 | 206 | 55 | 15.4 |
| 24 23 25 48.8 | 60 | 23.0 | 141 | 17.4 | 11.5 | 0.9A | 5 | 4 | 121 | 25 | 0.31 | 1.6 | 3.6 | C | 89 | 15 | 1.3 | 355 | 15 | 1.3 | 222 | 69 | 7.3 |
| 25 1 5 8.1 | 60 | 26.0 | 150 | 48.6 | 41.8 | 2.8 | 29 | 11 | 56 | 34 | 0.40 | 0.3 | 1.1 | A | 350 | 3 | 0.5 | 261 | 6 | 1.0 | 107 | 83 | 2.0 |
| 25 1 36 20.0 | 60 | 15.7 | 141 | 8.6 | 11.7 | 1.6 | 12 | 5 | 118 | 14 | 0.22 | 0.6 | 0.9 | A | 81 | 3 | 0.8 | 331 | 24 | 0.7 | 177 | 59 | 1.8 |
| 25 3 22 49.1 | 60 | 15.0 | 140 | 13.4 | 13.2 | 1.5 | 10 | 4 | 172 | 17 | 0.44 | 1.5 | 1.5 | B | 318 | 20 | 0.7 | 66 | 40 | 1.1 | 208 | 43 | 3.8 |
| 25 7 8 38.4 | 58 | 10.5 | 154 | 29.3 | 138.3 | 3.6 | 11 | 7 | 121 | 127 | 0.84 | 3.2 | 6.2 | D | 328 | 12 | 2.0 | 261 | 20 | 4.3 | 93 | 58 | 11.2 |
| 25 7 8 3.8 MB | | | | | 4.1 | ML | ATWC | | | | | | | | | | | | | | | | |
| 25 16 46 44.7 | 60 | 19.5 | 141 | 41.3 | 17.4 | 1.3 | 9 | 6 | 92 | 5 | 0.26 | 0.7 | 0.6 | A | 268 | 22 | 1.4 | 31 | 9 | 149 | 50 | 1.0 | |
| 25 17 13 42.5 | 60 | 19.5 | 141 | 41.3 | 17.7 | 1.1 | 11 | 5 | 92 | 5 | 0.28 | 0.7 | 0.6 | A | 264 | 29 | 1.4 | 36 | 9 | 146 | 40 | 1.0 | |
| 26 2 11 40.1 | 59 | 30.6 | 151 | 28.6 | 4.5 | 0.4A | 9 | 6 | 110 | 7 | 0.17 | 0.8 | 2.1 | B | 326 | 6 | 0.9 | 81 | 11 | 0.5 | 214 | 62 | 3.8 |
| 26 3 43 33.6 | 59 | 58.3 | 149 | 53.8 | 15.2 | 1.2 | 10 | 4 | 174 | 29 | 0.37 | 1.3 | 2.1 | B | 261 | 7 | 1.0 | 151 | 16 | 2.1 | 10 | 64 | 3.9 |
| 26 3 57 59.7 | 60 | 54.0 | 152 | 28.1 | 10.0 | 1.1A | 9 | 8 | 189 | 36 | 0.64 | 1.8 | 2.0 | B | 192 | 1 | 0.5 | 101 | 38 | 2.8 | 283 | 52 | 4.2 |
| 26 6 7 38.2 | 61 | 16.2 | 152 | 17.4 | 6.7 | 0.1A | 3 | 3 | 307 | 7 | 0.04 | 1.3 | 1.5 | B | 306 | 9 | 1.1 | 287 | 35 | 1.9 | 92 | 54 | 3.1 |
| 26 9 12 41.5 | 60 | 17.3 | 140 | 10.4 | 9.3 | 1.1 | 9 | 5 | 181 | 22 | 0.50 | 1.4 | 1.5 | B | 146 | 15 | 1.7 | 81 | 44 | 4.0 | 206 | 49 | 3.7 |
| 26 16 34 18.6 | 59 | 48.5 | 153 | 23.8 | 125.2 | 2.9 | 19 | 12 | 215 | 53 | 0.38 | 2.4 | 1.5 | B | 146 | 15 | 1.7 | 81 | 25 | 4.0 | 271 | 53 | 2.3 |
| 26 17 46 38.5 | 60 | 13.4 | 141 | 15.9 | 13.0 | 1.0 | 10 | 5 | 123 | 15 | 0.17 | 0.7 | 0.7 | A | 299 | 8 | 0.6 | 36 | 43 | 1.1 | 201 | 46 | 1.6 |
| 26 17 48 34.0 | 62 | 31.5 | 149 | 18.0 | 40.3 | 2.2 | 17 | 10 | 132 | 94 | 0.88 | 2.1 | 8.6 | D | 86 | 6 | 1.4 | 355 | 10 | 2.1 | 207 | 78 | 16.4 |
| 26 18 10 46.0 | 61 | 33.2 | 151 | 17.0 | 4.0 | 1.6 | 17 | 8 | 109 | 30 | 0.84 | 0.3 | 0.7 | A | 81 | 8 | 0.5 | 164 | 10 | 0.6 | 310 | 75 | 1.3 |
| 26 18 10 58.7 | 61 | 20.0 | 146 | 43.7 | 15.1 | 2.7 | 26 | 5 | 49 | 31 | 0.74 | 0.4 | 0.7 | A | 196 | 1 | 0.8 | 286 | 4 | 0.6 | 92 | 86 | 1.3 |
| 27 13 7 48.6 | 60 | 16.0 | 141 | 42.0 | 9.8 | 1.0 | 7 | 4 | 116 | 11 | 0.36 | 1.1 | 0.7 | A | 81 | 24 | 1.6 | 144 | 26 | 0.8 | 297 | 47 | 1.1 |
| 27 16 55 25.1 | 60 | 10.2 | 141 | 4.4 | 8.5 | 1.4 | 13 | 7 | 125 | 3 | 0.41 | 0.8 | 0.4 | A | 203 | 11 | 1.5 | 295 | 13 | 0.5 | 74 | 73 | 0.7 |
| 27 19 36 41.4 | 61 | 39.3 | 149 | 43.3 | 39.0 | 2.5 | 24 | 9 | 145 | 8 | 0.52 | 0.5 | 0.6 | A | 357 | 15 | 1.0 | 94 | 27 | 0.5 | 241 | 59 | 1.3 |
| 27 23 28 14.9 | 60 | 16.7 | 141 | 2.8 | 10.2 | 2.0 | 14 | 6 | 126 | 14 | 0.26 | 0.5 | 0.7 | A | 81 | 14 | 0.7 | 328 | 24 | 0.5 | 194 | 55 | 1.4 |
| 27 23 33 40.4 | 61 | 32.2 | 152 | 5.0 | 8.1 | 1.4 | 18 | 10 | 195 | 26 | 0.86 | 0.8 | 0.6 | A | 287 | 10 | 1.6 | 21 | 21 | 0.5 | 173 | 67 | 1.1 |
| 28 2 5 28.6 | 61 | 0.9 | 147 | 16.2 | 16.4 | 1.9 | 22 | 12 | 82 | 49 | 0.60 | 0.4 | 0.8 | A | 5 | 3 | 0.8 | 274 | 15 | 0.4 | 106 | 75 | 1.5 |
| 28 3 19 53.5 | 60 | 17.1 | 140 | 54.9 | 2.4 | 1.1 | 7 | 5 | 136 | 16 | 0.16 | 0.8 | 2.3 | B | 83 | 4 | 0.9 | 352 | 17 | 0.6 | 186 | 73 | 4.6 |
| 28 9 16 44.6 | 61 | 16.7 | 152 | 12.0 | 4.3 | -0.2 | 3 | 3 | 289 | 3 | 0.02 | 1.1 | 0.8 | A | 198 | 3 | 1.0 | 289 | 14 | 2.2 | 96 | 76 | 1.4 |
| 28 11 13 30.1 | 60 | 13.9 | 141 | 59.4 | 2.6 | 1.0 | 6 | 4 | 162 | 20 | 0.25 | 0.6 | 1.4 | B | 9 | 8 | 0.7 | 278 | 9 | 1.1 | 140 | 78 | 2.6 |
| 28 13 33 6.7 | 58 | 56.2 | 137 | 31.4 | 23.0 | 2.2 | 8 | 6 | 158 | 96 | 0.43 | 7.0 | 1.3 | D | 225 | 6 | 13.2 | 31 | 1.3 | 325 | 58 | 2.2 | |
| 28 13 34 51.9 | 62 | 10.9 | 150 | 2.4 | 3.8 | 2.2 | 17 | 8 | 125 | 60 | 0.83 | 0.8 | 1.2 | A | 176 | 12 | 1.3 | 272 | 25 | 0.7 | 63 | 62 | 2.5 |
| 28 16 48 48.6 | 60 | 18.4 | 152 | 16.9 | 83.6 | 2.6 | 24 | 9 | 141 | 31 | 0.29 | 1.1 | 1.5 | B | 344 | 1 | 0.9 | 81 | 19 | 1.9 | 251 | 70 | 2.8 |
| 28 18 43 17.0 | 59 | 15.0 | 138 | 42.7 | 14.4 | 1.0 | 3 | 2 | 343 | 24 | 0.27 | 10.9 | 4.0 | D | 81 | 32 | 18.4 | 155 | 34 | 3.3 | 301 | 43 | 4.3 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - APRIL 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | D1 | RMS | SEZ | Q | AZ1 | DIP1 | SEJ | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | |
|-------------------|-----|------|------|------|-------|------|----|-----|-----|------|------|------|------|-----|------|-----|------|------|-----|------|------|-----|------|
| | | | | | | | | | | | | | | | | | | | | | | | |
| APR 28 21 34 20.6 | 59 | 57.9 | 141 | 13.9 | 3.2 | 1.0 | 8 | 4 | 173 | 24 | 0.28 | 1.3 | 2.0 | B | 126 | 2 | 1.0 | 217 | 27 | 1.5 | 32 | 63 | 4.2 |
| 28 21 48 27.3 | 60 | 1.0 | 141 | 29.1 | 7.8 | 1.0 | 12 | 6 | 162 | 29 | 0.54 | 0.7 | 0.9 | A | 89 | 6 | 0.6 | 182 | 22 | 1.2 | 345 | 67 | 1.7 |
| 28 23 7 12.1 | 59 | 55.0 | 151 | 13.2 | 44.2 | 1.6 | 13 | 8 | 87 | 9 | 0.33 | 0.6 | 0.8 | A | 266 | 9 | 1.0 | 358 | 14 | 0.7 | 144 | 73 | 1.5 |
| 29 0 29 38.6 | 60 | 20.4 | 153 | 5.7 | 129.3 | 3.1 | 18 | 6 | 164 | 24 | 0.27 | 1.9 | 2.8 | C | 155 | 3 | 1.8 | 81 | 11 | 3.2 | 261 | 70 | 5.1 |
| 29 2 12 41.2 | 62 | 43.9 | 150 | 50.8 | 97.4 | 2.8 | 11 | 4 | 295 | 91 | 0.51 | 4.9 | 6.2 | D | 187 | 7 | 9.2 | 96 | 14 | 4.0 | 303 | 74 | 11.9 |
| 29 2 27 17.2 | 60 | 5.9 | 140 | 27.1 | 21.6 | 0.6 | 3 | 2 | 190 | 11 | 0.13 | 16.1 | 4.9 | D | 18 | 6 | 30.3 | 283 | 38 | 1.6 | 116 | 51 | 11.0 |
| 29 3 3 48.1 | 60 | 28.4 | 143 | 14.8 | 19.4 | 1.2A | 6 | 2 | 132 | 38 | 0.18 | 3.1 | 5.7 | D | 215 | 8 | 1.9 | 309 | 25 | 3.0 | 109 | 64 | 11.8 |
| 29 4 54 21.1 | 60 | 23.5 | 141 | 7.4 | 1.5 | 0.8 | 6 | 2 | 134 | 27 | 0.30 | 2.5 | 3.7 | C | 103 | 4 | 0.8 | 194 | 17 | 4.5 | 0 | 73 | 7.1 |
| 29 5 0 4.5 | 60 | 12.0 | 141 | 11.6 | 1.9 | 0.3A | 3 | 1 | 181 | 10 | 0.01 | 25.0 | 25.0 | D | 300 | 9 | 0.8 | 205 | 31 | 99.0 | 44 | 58 | 11.9 |
| 29 8 58 4.4 | 60 | 8.6 | 139 | 48.4 | 23.9 | 0.4 | 3 | 2 | 247 | 23 | 0.04 | 8.4 | 4.7 | D | 300 | 6 | 1.8 | 208 | 26 | 17.2 | 42 | 63 | 5.1 |
| 29 10 57 57.5 | 63 | 10.0 | 150 | 43.9 | 127.1 | 3.1 | 9 | 4 | 313 | 138 | 0.31 | 8.1 | 8.3 | D | 82 | 27 | 10.0 | 335 | 30 | 12.6 | 206 | 48 | 18.2 |
| 29 11 22 11.4 | 60 | 11.2 | 141 | 8.2 | 14.7 | 0.9 | 9 | 6 | 130 | 7 | 0.72 | 0.8 | 0.7 | A | 298 | 18 | 0.8 | 198 | 27 | 1.7 | 57 | 57 | 1.1 |
| 29 12 41 40.1 | 60 | 14.8 | 151 | 15.6 | 19.9 | 1.4A | 12 | 5 | 81 | 23 | 0.44 | 0.6 | 1.2 | A | 37 | 2 | 1.1 | 306 | 6 | 0.7 | 145 | 84 | 2.3 |
| 29 12 42 31.1 | 60 | 28.5 | 143 | 16.5 | 9.3 | 1.1A | 6 | 2 | 134 | 39 | 0.27 | 1.0 | 4.0 | C | 339 | 2 | 1.3 | 261 | 9 | 1.5 | 82 | 75 | 7.4 |
| 29 12 57 0.6 | 59 | 58.5 | 151 | 15.9 | 52.0 | 2.1 | 20 | 5 | 88 | 8 | 0.30 | 0.7 | 1.7 | B | 264 | 1 | 1.2 | 355 | 16 | 0.9 | 171 | 74 | 3.2 |
| 29 17 24 40.0 | 60 | 16.5 | 141 | 4.9 | 7.6 | 0.9 | 9 | 2 | 123 | 14 | 0.09 | 2.1 | 1.8 | B | 347 | 27 | 0.8 | 101 | 39 | 2.7 | 232 | 39 | 4.6 |
| 29 19 31 36.7 | 61 | 17.4 | 152 | 12.8 | 8.9 | 1.0 | 4 | 3 | 197 | 4 | 0.15 | 2.1 | 0.9 | B | 96 | 11 | 4.0 | 197 | 43 | 1.9 | 355 | 45 | 0.9 |
| 30 0 34 40.8 | 60 | 38.1 | 142 | 42.0 | 18.1 | 1.6 | 12 | 9 | 78 | 48 | 0.65 | 0.6 | 1.1 | A | 359 | 4 | 0.8 | 268 | 16 | 1.1 | 103 | 73 | 2.1 |
| 30 1 35 59.3 | 60 | 13.9 | 141 | 5.6 | 3.8 | 0.9 | 8 | 5 | 117 | 9 | 0.65 | 0.8 | 1.2 | A | 313 | 15 | 0.8 | 50 | 25 | 1.0 | 195 | 60 | 2.5 |
| 30 2 9 18.3 | 60 | 14.1 | 141 | 5.8 | 2.4 | 1.6 | 11 | 8 | 117 | 10 | 0.32 | 0.7 | 1.2 | A | 300 | 9 | 0.7 | 32 | 14 | 1.3 | 178 | 73 | 2.3 |
| 30 5 1 59.2 | 60 | 7.4 | 140 | 28.9 | 32.0 | 1.0A | 5 | 4 | 173 | 13 | 0.72 | 6.7 | 2.1 | D | 29 | 13 | 12.9 | 126 | 28 | 2.3 | 277 | 59 | 3.0 |
| 30 6 14 39.9 | 59 | 46.0 | 150 | 35.1 | 11.0 | 0.3A | 5 | 3 | 228 | 8 | 0.15 | 0.9 | 1.1 | A | 12 | 11 | 0.8 | 277 | 26 | 1.6 | 123 | 62 | 2.2 |
| 30 9 14 26.4 | 59 | 15.0 | 139 | 19.8 | 33.3 | 2.2 | 10 | 4 | 251 | 34 | 0.44 | 3.3 | 6.7 | D | 202 | 13 | 4.1 | 297 | 19 | 1.9 | 80 | 67 | 13.7 |
| 30 11 10 46.7 | 61 | 24.0 | 140 | 39.8 | 18.5 | 1.6A | 5 | 3 | 258 | 60 | 0.61 | 3.0 | 2.9 | C | 334 | 24 | 4.0 | 82 | 36 | 2.5 | 218 | 45 | 7.2 |
| 30 12 4 26.5 | 60 | 22.2 | 152 | 41.1 | 13.5 | 0.8 | 13 | 9 | 181 | 22 | 0.51 | 1.4 | 1.1 | B | 17 | 1 | 0.9 | 286 | 37 | 3.1 | 108 | 53 | 1.0 |
| 30 12 12 28.9 | 61 | 11.1 | 152 | 15.7 | 2.9 | 1.7 | 21 | 12 | 115 | 11 | 1.02 | 0.7 | 0.6 | A | 204 | 30 | 0.6 | 93 | 32 | 1.5 | 327 | 43 | 1.1 |
| 30 12 13 39.9 | 60 | 17.7 | 141 | 17.4 | 13.9 | 1.2 | 9 | 6 | 112 | 21 | 0.40 | 0.9 | 1.3 | A | 81 | 13 | 1.3 | 325 | 16 | 0.9 | 199 | 57 | 2.5 |
| 30 14 22 8.9 | 60 | 12.5 | 141 | 23.0 | 9.1 | 0.6 | 9 | 6 | 136 | 20 | 0.30 | 0.7 | 1.3 | A | 292 | 10 | 0.8 | 24 | 13 | 1.3 | 165 | 74 | 2.6 |
| 30 16 14 16.1 | 59 | 36.4 | 152 | 41.0 | 75.0 | 2.8 | 19 | 11 | 140 | 64 | 0.37 | 1.9 | 2.4 | B | 317 | 8 | 1.3 | 261 | 17 | 2.8 | 74 | 52 | 3.8 |
| 30 18 0 43.3 | 61 | 41.6 | 146 | 47.2 | 21.1 | 2.0 | 18 | 10 | 96 | 33 | 0.74 | 0.6 | 1.3 | A | 121 | 4 | 0.8 | 212 | 7 | 1.2 | 2 | 82 | 2.5 |
| 30 18 18 54.7 | 59 | 37.2 | 151 | 7.1 | 0.4A | 7 | 5 | 136 | 12 | 0.26 | 0.9 | 2.0 | B | 81 | 2 | 0.4 | 315 | 10 | 1.2 | 179 | 53 | 3.1 | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MAY 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ | Q | AZI | DIP1 | SEI | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | KM | DEG | KM | DEG | KM | DEG | KM | DEG | KM |
|-------------|-----|----|------|------|-------|------|------|------|------|-------|-----|-----|-----|------|------|------|------|-----|------|-----|------|------|-----|-----|-----|------|------|-----|-----|-----|-----|----|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | DEG | MIN | DEG | MIN | DEG | KM | SEC | DEG | MIN | DEG | MIN | DEG | MIN | DEG | MIN | DEG | MIN | DEG | MIN | DEG | MIN | DEG | MIN | DEG | MIN | | |
| MAY | 1 | 3 | 41 | 25.8 | 60 | 13.4 | 14.1 | 3.2 | 9.0 | 1.3 | 11 | 7 | 118 | 8 | 0.16 | 0.8 | 0.9 | A | 309 | 22 | 0.8 | 55 | 34 | 1.0 | 193 | 48 | 2.1 | | | | | |
| | 1 | 4 | 23 | 44.2 | 60 | 29.2 | 14.1 | 21.3 | 22.2 | 0.9 | 8 | 4 | 120 | 26 | 0.36 | 1.1 | 2.1 | B | 105 | 12 | 1.7 | 12 | 17 | 1.1 | 229 | 69 | 4.2 | | | | | |
| | 1 | 21 | 31 | 0.6 | 60 | 16.3 | 14.1 | 2.9 | 10.5 | 2.1 | 13 | 9 | 125 | 13 | 0.22 | 0.6 | 0.9 | A | 295 | 4 | 0.7 | 26 | 22 | 0.9 | 195 | 68 | 4.2 | | | | | |
| | 1 | 23 | 28 | 17.0 | 60 | 28.4 | 15.2 | 7.8 | 14.2 | 1.6 | 18 | 11 | 135 | 19 | 0.51 | 1.4 | 1.4 | B | 145 | 18 | 0.7 | 39 | 42 | 1.1 | 253 | 4.3 | 3.5 | | | | | |
| | 2 | 0 | 14 | 53.5 | 61 | 27.4 | 15.1 | 10.3 | 8.7 | 2.0 | 23 | 9 | 92 | 23 | 0.88 | 0.4 | 0.5 | A | 162 | 1 | 0.7 | 261 | 11 | 0.4 | 67 | 76 | 1.0 | | | | | |
| | 2 | 0 | 22 | 53.6 | 61 | 20.0 | 14.6 | 50.1 | 30.3 | 2.9 | 26 | 7 | 48 | 35 | 0.57 | 0.4 | 0.5 | A | 120 | 5 | 0.6 | 29 | 7 | 0.7 | 245 | 81 | 1.0 | | | | | |
| | | | | | | 3.5 | ML | ATWC | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1 | 14 | 49.7 | 60 | 9.0 | 14.1 | 11.4 | 0.0 | 1.2 | 11 | 5 | 135 | 9 | 0.46 | 0.7 | 1.1 | A | 267 | 2 | 0.6 | 357 | 10 | 1.3 | 166 | 80 | 2.1 | | | | | | |
| | 2 | 2 | 38 | 9.6 | 60 | 10.4 | 14.1 | 11.5 | 1.6 | 1.3 | 11 | 3 | 132 | 9 | 0.46 | 0.7 | 1.0 | A | 275 | 25 | 1.3 | 185 | 5 | 1.3 | 5 | 85 | 1.9 | | | | | |
| | 2 | 7 | 41 | 13.7 | 59 | 40.4 | 15.1 | 12.1 | 48.4 | 1.2 | 13 | 8 | 79 | 10 | 0.38 | 0.8 | 0.8 | A | 277 | 25 | 1.3 | 21 | 28 | 0.9 | 152 | 51 | 1.8 | | | | | |
| | 2 | 9 | 15 | 48.5 | 59 | 59.4 | 14.1 | 37.0 | 14.6 | 0.84 | 6 | 5 | 203 | 24 | 0.27 | 1.1 | 1.9 | B | 189 | 2 | 2.1 | 99 | 14 | 0.9 | 287 | 76 | 3.8 | | | | | |
| | 2 | 9 | 56 | 30.4 | 58 | 57.4 | 15.2 | 31.1 | 64.5 | 2.2 | 13 | 8 | 174 | 79 | 0.28 | 1.7 | 2.8 | B | 324 | 6 | 2.3 | 261 | 23 | 1.7 | 68 | 55 | 5.1 | | | | | |
| | 2 | 10 | 42 | 14.3 | 60 | 29.2 | 15.2 | 17.4 | 23.4 | 0.64 | 7 | 3 | 106 | 12 | 0.24 | 1.4 | 1.1 | B | 172 | 32 | 1.1 | 53 | 37 | 1.4 | 289 | 36 | 3.1 | | | | | |
| | 2 | 11 | 41 | 18.3 | 60 | 7.7 | 139 | 50.0 | 21.6 | 0.9 | 7 | 4 | 185 | 23 | 0.45 | 3.1 | 1.2 | C | 115 | 9 | 0.9 | 208 | 18 | 6.1 | 0 | 70 | 1.4 | | | | | |
| | 2 | 12 | 0 | 48.5 | 60 | 37.8 | 14.2 | 43.4 | 21.2 | 1.8 | 15 | 8 | 79 | 48 | 0.59 | 0.6 | 1.1 | A | 323 | 9 | 0.6 | 261 | 15 | 0.8 | 89 | 57 | 1.9 | | | | | |
| | 2 | 14 | 7 | 29.9 | 61 | 16.6 | 15.2 | 13.0 | 7.5 | 0.6 | 4 | 4 | 245 | 4 | 0.19 | 1.1 | 0.7 | A | 105 | 18 | 2.1 | 209 | 37 | 0.9 | 354 | 47 | 1.4 | | | | | |
| | 2 | 15 | 26 | 44.8 | 61 | 15.2 | 15.0 | 45.7 | 57.0 | 2.1 | 26 | 12 | 58 | 24 | 0.43 | 0.4 | 1.0 | A | 96 | 5 | 0.6 | 187 | 12 | 0.7 | 344 | 77 | 1.8 | | | | | |
| | 2 | 16 | 48 | 14.0 | 60 | 23.8 | 14.3 | 2.8 | 20.7 | 0.84 | 4 | 4 | 186 | 72 | 0.09 | 3.8 | 7.0 | D | 178 | 12 | 2.2 | 274 | 25 | 1.5 | 65 | 62 | 14.8 | | | | | |
| | 2 | 19 | 6 | 25.1 | 61 | 8.8 | 15.0 | 42.2 | 46.5 | 2.3 | 29 | 15 | 50 | 35 | 0.56 | 0.3 | 0.9 | A | 208 | 6 | 0.6 | 117 | 7 | 0.5 | 338 | 81 | 1.7 | | | | | |
| | 3 | 0 | 40 | 35.1 | 61 | 26.5 | 14.0 | 46.3 | 0.3 | 2.0 | 11 | 6 | 245 | 61 | 0.43 | 1.6 | 8.6 | D | 315 | 0 | 1.4 | 45 | 2 | 3.0 | 225 | 88 | 16.2 | | | | | |
| | 3 | 5 | 4 | 52.1 | 61 | 7.7 | 15.0 | 14.0 | 19.0 | 1.7 | A | 7 | 6 | 105 | 38 | 0.64 | 1.4 | 3.5 | C | 176 | 11 | 1.4 | 270 | 17 | 0.7 | 55 | 69 | 6.9 | | | | |
| | 3 | 5 | 36 | 27.0 | 59 | 14.2 | 14.4 | 47.3 | 21.9 | 2.1 | 11 | 3 | 272 | 91 | 0.31 | 6.8 | 3.8 | D | 8 | 26 | 14.2 | 119 | 35 | 2.8 | 251 | 43 | 3.9 | | | | | |
| | 3 | 6 | 25 | 5.0 | 62 | 18.7 | 14.9 | 33.6 | 59.4 | 2.4 | 20 | 8 | 125 | 76 | 0.70 | 1.5 | 2.4 | B | 94 | 1 | 0.9 | 4 | 29 | 1.7 | 186 | 61 | 5.1 | | | | | |
| | 3 | 7 | 48 | 49.5 | 60 | 17.1 | 14.0 | 47.5 | 14.5 | 1.4 | 9 | 7 | 141 | 20 | 0.29 | 0.9 | 1.1 | A | 303 | 4 | 0.6 | 36 | 38 | 1.0 | 208 | 52 | 2.5 | | | | | |
| | 3 | 9 | 14 | 58.4 | 60 | 13.2 | 15.1 | 6.2 | 40.4 | 2.0 | 27 | 14 | 60 | 23 | 0.42 | 0.4 | 1.3 | A | 94 | 2 | 0.7 | 4 | 7 | 0.6 | 200 | 83 | 2.5 | | | | | |
| | 3 | 12 | 27 | 53.4 | 63 | 21.0 | 14.7 | 29.3 | 62.6 | 2.8 | 13 | 4 | 152 | 154 | 0.48 | 4.4 | 17.9 | D | 173 | 1 | 1.9 | 263 | 2 | 8.1 | 56 | 88 | 33.6 | | | | | |
| | 3 | 17 | 18 | 14.9 | 59 | 43.2 | 13.9 | 12.9 | 1.1 | 3 | 2 | 283 | 12 | 0.05 | 3.2 | 1.5 | C | 261 | 3 | 5.9 | 339 | 1 | 4.4 | 165 | 62 | 2.9 | | | | | | |
| | 3 | 23 | 43 | 46.0 | 60 | 56.9 | 14.9 | 34.4 | 14.7 | 1.5 | 20 | 10 | 60 | 31 | 0.62 | 1.0 | 1.7 | B | 206 | 15 | 0.8 | 303 | 23 | 0.8 | 86 | 62 | 3.5 | | | | | |
| | 4 | 4 | 53 | 26.8 | 60 | 7.1 | 14.1 | 9.3 | 6.0 | 0.4A | 3 | 2 | 217 | 8 | 0.03 | 3.1 | 2.2 | C | 282 | 20 | 0.7 | 27 | 34 | 7.0 | 167 | 49 | 1.6 | | | | | |
| | 4 | 5 | 17 | 49.0 | 60 | 38.6 | 14.0 | 40.2 | 6.5 | 0.9A | 4 | 3 | 204 | 51 | 0.21 | 1.9 | 5.4 | C | 146 | 3 | 0.9 | 261 | 13 | 2.0 | 45 | 62 | 9.6 | | | | | |
| | 4 | 21 | 21 | 28.3 | 60 | 6.3 | 14.1 | 6.8 | 0.4 | 0.5A | 3 | 2 | 218 | 7 | 0.23 | 2.2 | 5.3 | C | 138 | 3 | 2.4 | 261 | 13 | 1.8 | 38 | 55 | 8.9 | | | | | |
| | 4 | 23 | 2 | 43.4 | 61 | 2.9 | 14.7 | 2.5 | 11.6 | 2.4 | 22 | 6 | 60 | 40 | 0.37 | 0.4 | 0.9 | A | 7 | 0 | 0.8 | 277 | 10 | 0.6 | 97 | 80 | 1.7 | | | | | |
| | 4 | 23 | 3 | 20.1 | 59 | 13.5 | 15.3 | 9.9 | 78.7 | 4.2 | 15 | 0 | 204 | 94 | 0.28 | 2.2 | 6.1 | D | 340 | 0 | 2.5 | 261 | 5 | 4.0 | 70 | 78 | 11.3 | | | | | |
| | 4.8 | MB | | | | 5.3 | ML | ATWC | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | 0 | 54 | 23.5 | 59 | 23.8 | 14.6 | 25.3 | 16.9 | 2.4 | 15 | 6 | 243 | 6 | 0.55 | 1.2 | 1.2 | A | 85 | 28 | 2.0 | 334 | 34 | 1.5 | 205 | 43 | 2.6 | | | | | |
| | 5 | 1 | 0 | 40.8 | 63 | 29.0 | 14.9 | 46.6 | 40.6 | 2.4 | 11 | 5 | 255 | 190 | 0.97 | 4.4 | 15.1 | D | 280 | 2 | 5.2 | 10 | 6.7 | 179 | 80 | 28.7 | | | | | | |
| | 5 | 1 | 18 | 24.3 | 59 | 58.0 | 14.0 | 40.5 | 2.0 | 1.1 | 10 | 9 | 165 | 28 | 0.62 | 0.9 | 1.2 | A | 115 | 5 | 0.5 | 208 | 25 | 1.4 | 14 | 64 | 2.5 | | | | | |
| | 5 | 5 | 30 | 48.6 | 61 | 16.4 | 15.2 | 10.7 | 2.9 | -0.3A | 3 | 3 | 281 | 1 | 0.03 | 1.1 | 0.8 | A | 18 | 1 | 0.9 | 287 | 19 | 2.2 | 111 | 71 | 1.3 | | | | | |
| | 5 | 13 | 23 | 26.6 | 60 | 11.1 | 139 | 44.3 | 13.4 | 1.2 | 8 | 6 | 194 | 26 | 0.50 | 1.7 | 1.1 | B | 313 | 13 | 0.8 | 216 | 30 | 3.5 | 64 | 57 | 1.4 | | | | | |
| | 5 | 20 | 39 | 52.1 | 60 | 13.6 | 14.1 | 1.7 | 12.7 | 1.3 | 11 | 7 | 120 | 8 | 0.29 | 0.7 | 0.6 | A | 114 | 2 | 0.5 | 205 | 37 | 1.5 | 21 | 53 | 0.9 | | | | | |
| | 6 | 2 | 43 | 21.7 | 60 | 3.2 | 14.0 | 39.4 | 6.3 | 1.2 | 9 | 7 | 156 | 23 | 0.65 | 0.8 | 0.7 | A | 287 | 3 | 0.5 | 19 | 37 | 1.6 | 193 | 53 | 1.2 | | | | | |
| | 6 | 2 | 45 | 57.0 | 61 | 16.0 | 15.2 | 16.9 | 7.8 | -0.4A | 3 | 3 | 305 | 7 | 0.05 | 1.3 | 1.3 | A | 191 | 8 | 1.3 | 288 | 41 | 1.9 | 92 | 48 | 2.9 | | | | | |
| | 6 | 3 | 44 | 4.4 | 59 | 57.7 | 15.1 | 4.6 | 59.1 | 2.4 | 8 | 98 | 15 | 0.31 | 0.6 | 1.1 | A | 277 | 1 | 1.0 | 8 | 20 | 0.6 | 184 | 70 | 2.3 | | | | | | |
| | 6 | 3 | 52 | 27.5 | 61 | 14.6 | 17.4 | 34.8 | 2.8 | 26 | 9 | 90 | 23 | 0.72 | 0.5 | 0.4 | A | 296 | 11 | 0.7 | 32 | 32 | 1.0 | 189 | 56 | 0.8 | | | | | | |
| | 7 | 6 | 26 | 39.2 | 61 | 20.7 | 14.6 | 44.6 | 21.6 | 2.0 | 21 | 64 | 32 | 0.59 | 0.5 | 0.9 | A | 21 | 5 | 0.9 | 290 | 12 | 0.7 | 133 | 77 | 1.7 | | | | | | |

ALSO FELT AT HOMER AND Seward.

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MAY 1984 | | | | | | | | | | | |
|--|-------|--------|-------|-------|-------|-----|-----|-----|------|------|------|
| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | | | NP | NS | GAP | DI | RMS |
| | | | | HR | MIN | SEC | DEG | MIN | KM | DEG | DEG |
| 1984 MAY 7 10 4 20.6 60 | 43.6 | 152 | 9.3 | 10.5 | 1.2 | 14 | 4 | 141 | 22 | 0.53 | 1.4 |
| 7 11 13 40.7 60 | 15.2 | 141 | 2.0 | 9.9 | 1.0 | 10 | 7 | 123 | 11 | 0.33 | 1.2 |
| 7 11 50 37.5 61 | 32.8 | 141 | 10.0 | 1.5 | 1.2A | 5 | 5 | 256 | 66 | 0.29 | 2.1 |
| 7 12 32 29.8 62 | 22.6 | 150 | 110.5 | 3.3 | 11 | 1 | 117 | 163 | 0.29 | 5.9 | 25.0 |
| 7 16 49 57.3 61 | 7.4 | 149 | 27.3 | 32.1 | 1.1A | 9 | 7 | 99 | 15 | 0.29 | 1.6 |
| 7 19 0 0.7 60 | 48.9 | 152 | 24.3 | 0.1 | 0.2 | 4 | 4 | 201 | 27 | 0.48 | 3.7 |
| 7 20 54 49.3 61 | 8.6 | 148 | 45.1 | 21.5 | 2.0 | 37 | 18 | 46 | 34 | 0.75 | 0.4 |
| 7 21 56 17.7 59 | 58.7 | 138 | 56.0 | 1.4 | 0.9 | 4 | 274 | 39 | 0.35 | 2.0 | 3.7 |
| 7 22 46 24.2 60 | 9.5 | 140 | 48.1 | 8.4 | 0.8 | 6 | 3 | 163 | 13 | 0.18 | 2.7 |
| 8 0 30 23.9 60 | 45.2 | 152 | 46.9 | 1.4 | 0.5 | 8 | 3 | 148 | 29 | 0.28 | 1.9 |
| 8 1 50 57.9 60 | 35.0 | 145 | 6.8 | 16.0 | 1.1 | 8 | 7 | 153 | 8 | 0.42 | 1.0 |
| 8 4 39 26.3 60 | 30.0 | 143 | 0.3 | 2.5 | 0.9A | 6 | 5 | 109 | 34 | 0.61 | 1.4 |
| 8 7 43 46.2 60 | 10.4 | 141 | 1.0 | 6.1 | 1.2 | 8 | 6 | 112 | 2 | 0.27 | 1.1 |
| 8 10 41 23.3 59 | 43.0 | 140 | 0.8 | 33.8 | 1.4 | 7 | 5 | 209 | 34 | 0.43 | 4.9 |
| 9 0 7 22.8 60 | 26.3 | 143 | 6.3 | 26.4 | 0.6A | 5 | 5 | 170 | 30 | 0.19 | 1.4 |
| 9 1 33 29.6 61 | 35.6 | 140 | 57.0 | 12.9 | 1.2A | 9 | 5 | 73 | 0.38 | 2.1 | 2.6 |
| 9 2 38 25.3 60 | 6.6 | 141 | 22.1 | 5.2 | 1.0 | 9 | 8 | 165 | 19 | 0.37 | 0.9 |
| 9 4 18 32.3 60 | 26.6 | 145 | 6.3 | 27.0 | 0.5A | 6 | 5 | 266 | 12 | 0.12 | 4.6 |
| 9 8 6 46.5 60 | 11.2 | 141 | 6.9 | 13.5 | 1.0 | 9 | 6 | 144 | 6 | 0.20 | 1.4 |
| 9 9 9 6 9.2 61 | 18.6 | 146 | 47.2 | 23.6 | 2.4 | 26 | 11 | 46 | 31 | 0.54 | 0.3 |
| 9 14 35 36.3 59 | 44.9 | 152 | 45.0 | 78.0 | 2.8 | 21 | 6 | 139 | 48 | 0.25 | 1.8 |
| 9 15 25 32.4 61 | 17.5 | 152 | 14.9 | 7.8 | 1.9 | 25 | 6 | 121 | 6 | 0.95 | 0.8 |
| 9 16 10 44.1 60 | 27.8 | 152 | 34.3 | 13.2 | 1.0A | 11 | 7 | 142 | 15 | 0.51 | 2.0 |
| 9 17 37 44.2 60 | 12.5 | 141 | 6.1 | 13.5 | 1.1 | 10 | 6 | 113 | 7 | 0.22 | 0.9 |
| 9 18 41 58.0 60 | 0.0 | 142 | 44.7 | 26.5 | 1.9 | 17 | 162 | 23 | 0.26 | 1.3 | 0.5A |
| 9 18 50 38.2 60 | 30.1 | 143 | 34.9 | 26.2 | 0.9A | 10 | 5 | 165 | 53 | 0.60 | 2.5 |
| 9 20 8 7.9 59 | 30.2 | 151 | 28.5 | 5.4 | 0.1A | 6 | 3 | 166 | 7 | 0.05 | 1.2 |
| 9 22 29 20.2 60 | 9.6 | 152 | 47.9 | 101.3 | 2.5 | 20 | 10 | 168 | 3 | 0.44 | 1.2 |
| 9 23 12 55.4 60 | 10.7 | 141 | 11.0 | 13.9 | 1.2 | 11 | 8 | 131 | 9 | 0.30 | 0.8 |
| 10 0 44 9.0 58 | 54.8 | 138 | 18.5 | 26.7 | 1.4 | 3 | 3 | 352 | 68 | 0.09 | 25.0 |
| 10 13 38 51.9 59 | 57.9 | 152 | 53.8 | 88.6 | 2.9 | 22 | 9 | 186 | 25 | 0.32 | 1.3 |
| 10 15 0 43.3 61 | 23.9 | 146 | 46.3 | 15.9 | 2.0 | 24 | 9 | 55 | 38 | 0.69 | 0.3 |
| 10 17 29 24.6 59 | 24.6 | 137 | 4.7 | 6.9 | 1.7 | 4 | 2 | 339 | 102 | 0.18 | 5.7 |
| 10 19 28 36.9 61 | 17.8 | 152 | 13.8 | 7.0 | 0.9 | 6 | 5 | 199 | 5 | 0.27 | 1.0 |
| 10 20 32 50.9 61 | 15.0 | 152 | 10.4 | 3.1 | -0.4A | 3 | 3 | 46 | 2 | 0.02 | 1.0 |
| 11 19 28 35.7 60 | 8.7 | 141 | 19.4 | 2.2 | 0.6 | 4 | 3 | 221 | 16 | 0.61 | 4.4 |
| 11 19 38 4.2 59 | 53.5 | 140 | 59.5 | 20.5 | 1.0 | 3 | 3 | 261 | 29 | 0.73 | 2.1 |
| 11 8 9 10.3 60 | 12.3 | 141 | 41.4 | 9.3 | 0.8 | 4 | 4 | 241 | 18 | 0.28 | 2.3 |
| 11 18 29 45.5 60 | 13.6 | 140 | 48.5 | 8.4 | 1.0 | 9 | 7 | 133 | 15 | 0.27 | 1.2 |
| 11 19 0 27 10.8 60 | 12.6 | 140 | 53.3 | 7.0 | 0.7 | 9 | 5 | 125 | 10 | 0.40 | 1.1 |
| 11 18 29 33.3 59 | 59 | 147 | 52.1 | 31.1 | 2.7 | 28 | 10 | 158 | 35 | 0.76 | 0.9 |
| 13 1 59 10.6 60 | 8.6 | 141 | 0.5 | 7.5 | 1.5 | 14 | 7 | 137 | 2 | 0.51 | 0.7 |
| 13 2 6 48.1 59 | 52.0 | 141 | 36.5 | 6.4 | 1.6 | 14 | 4 | 185 | 30 | 0.48 | 1.0 |
| 13 2 32 44.2 59 | 30.9 | 151 | 17.1 | 5.7 | 0.9 | 10 | 3 | 113 | 3 | 0.27 | 0.6 |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MAY 1984 | | | | | | | | | | | |
|--|------|---------|------|------|-------|------|-------|-----|------|------|-------|
| 1984 | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS |
| | HR | MM | SEC | DEG | MIN | KM | DEG | SEC | KM | SEH | SEZ |
| MAY 13 | 9 52 | 8.4 | 60 | 20.8 | 141 | 56.6 | 4.5 | 1.0 | 8 4 | 75 | 11 |
| 13 12 2 | 52.2 | 59 59.4 | 140 | 14.9 | 13.7 | 1.1 | 8 2 | 166 | 0.59 | 0.6 | 1.1 A |
| 13 14 49 | 14.8 | 61 10.3 | 152 | 9.3 | 4.3 | -0.2 | 3 3 | 281 | 0.07 | 0.6 | 1.2 B |
| 13 18 20 | 0.5 | 61 4.3 | 150 | 55.7 | 11.3 | 1.8 | 25 12 | 48 | 40 | 0.70 | 0.4 |
| 14 2 47 | 23.9 | 59 41.8 | 141 | 17.8 | 0.4 | 1.5 | 12 4 | 194 | 53 | 0.60 | 1.1 |
| 14 18 10 | 50.6 | 60 8.9 | 141 | 14.7 | 14.0 | 0.9 | 9 4 | 138 | 12 | 0.85 | 0.7 A |
| 14 20 40 | 7.0 | 60 19.2 | 141 | 12.6 | 15.9 | 0.9 | 10 5 | 120 | 21 | 0.39 | 0.7 |
| 14 21 41 | 57.3 | 61 42.6 | 149 | 47.3 | 41.2 | 2.2 | 22 10 | 152 | 41 | 0.54 | 0.6 |
| 15 18 22 | 9.5 | 59 27.0 | 151 | 21.1 | 14.5 | 0.3 | 7 6 | 181 | 4 | 0.59 | 0.9 |
| 14 22 43 | 31.7 | 61 31.4 | 149 | 33.3 | 31.2 | 1.8 | 17 8 | 114 | 22 | 0.69 | 0.5 |
| 15 1 11 | 38.7 | 59 46.9 | 150 | 54.4 | 18.4 | 0.7A | 7 4 | 84 | 16 | 0.38 | 0.8 |
| 15 13 22 | 53.3 | 60 16.7 | 141 | 37.8 | 1.0 | 1.1 | 10 8 | 102 | 11 | 0.91 | 0.7 |
| 15 14 12 | 15.2 | 61 15.9 | 149 | 50.0 | 38.6 | 1.5 | 17 9 | 85 | 15 | 0.56 | 1.0 |
| 15 15 23 | 37 | 43.9 | 150 | 42.4 | 8.1 | 3.0 | 12 4 | 162 | 30 | 0.52 | 1.0 |
| 16 0 11 | 30.9 | 59 55.7 | 140 | 43.9 | 7.8 | 0.7 | 7 3 | 195 | 30 | 0.34 | 2.0 |
| 16 1 35 | 44.0 | 61 14.8 | 146 | 55.3 | 8.1 | 2.1 | 25 10 | 40 | 29 | 0.50 | 0.6 |
| 16 6 11 | 48.8 | 62 14.1 | 148 | 41.9 | 13.5 | 2.1 | 22 12 | 195 | 51 | 0.87 | 1.2 |
| 16 10 24 | 14.3 | 60 16.4 | 141 | 9.6 | 14.4 | 1.6 | 13 8 | 118 | 15 | 0.36 | 0.5 |
| 16 15 30 | 43.6 | 59 30.3 | 151 | 22.3 | 13.9 | 1.3 | 9 8 | 111 | 8 | 0.27 | 0.9 |
| 16 18 20 | 34.4 | 60 0.9 | 153 | 32.7 | 134.2 | 2.9 | 16 6 | 202 | 89 | 0.27 | 2.9 |
| 16 20 20 | 46.7 | 59 54.1 | 140 | 43.8 | 17.7 | 0.9A | 3 2 | 262 | 33 | 0.08 | 4.0 |
| 16 21 33 | 16.4 | 60 8.3 | 139 | 46.0 | 16.5 | 0.8 | 6 2 | 200 | 22 | 0.43 | 4.1 |
| 17 0 14 | 33.8 | 61 26.3 | 151 | 14.1 | 61.6 | 2.1 | 13 6 | 182 | 27 | 0.35 | 1.6 |
| 17 1 16 | 18.5 | 60 17.1 | 141 | 9.1 | 12.5 | 1.0 | 10 5 | 120 | 16 | 0.30 | 0.8 |
| 17 5 48 | 28.3 | 60 15.1 | 141 | 3.2 | 9.1 | 2.9 | 15 6 | 122 | 11 | 0.45 | 0.4 |
| 17 9 46 | 26.1 | 60 7.1 | 152 | 26.9 | 94.7 | 3.2 | 23 10 | 158 | 51 | 0.36 | 0.9 |
| 17 14 0 | 39.7 | 60 2.3 | 140 | 43.0 | 3.6 | 1.4 | 12 10 | 149 | 22 | 0.43 | 0.9 |
| 17 14 45 | 38.4 | 61 14.9 | 149 | 13.5 | 35.8 | 1.8 | 24 12 | 51 | 18 | 0.49 | 0.5 |
| 17 15 14 | 5.0 | 60 19.1 | 141 | 16.0 | 16.0 | 0.5A | 9 6 | 116 | 22 | 0.31 | 0.8 |
| 17 18 57 | 51.9 | 61 16.1 | 150 | 7.0 | 39.5 | 2.3 | 27 9 | 97 | 30 | 0.73 | 0.4 |
| 17 21 2 | 18.0 | 62 58.1 | 150 | 22.2 | 84.5 | 2.8 | 11 11 | 216 | 125 | 0.40 | 4.3 |
| 17 21 50 | 10.0 | 60 5.1 | 141 | 30.1 | 17.6 | 1.2A | 8 7 | 172 | 27 | 0.26 | 0.8 |
| 17 21 52 | 6.8 | 60 38.8 | 143 | 4.6 | 28.5 | 1.0A | 8 5 | 78 | 51 | 0.26 | 0.9 |
| 18 11 0 | 25.1 | 62 45.6 | 150 | 38.7 | 80.4 | 2.7 | 12 3 | 113 | 98 | 0.35 | 2.0 |
| 18 19 28 | 4.8 | 61 7.5 | 152 | 9.7 | 6.7 | 0.6 | 5 2 | 169 | 9 | 0.28 | 1.7 |
| 18 19 42 | 58.6 | 63 8.3 | 150 | 17.3 | 114.4 | 3.0 | 11 2 | 123 | 144 | 0.40 | 3.0 |
| 18 22 30 | 47.5 | 60 36.4 | 147 | 31.4 | 30.0 | 2.2 | 26 8 | 67 | 40 | 0.72 | 0.6 |
| 19 3 7 | 26.3 | 59 24.7 | 153 | 35.8 | 110.3 | 3.1 | 16 4 | 170 | 96 | 0.37 | 2.9 |
| 19 3 44 | 54.8 | 60 9.7 | 141 | 9.0 | 9.1 | 3.1 | 15 2 | 136 | 7 | 0.43 | 0.8 |
| 19 4.2 | MB | 4.2 | ML | ATWC | | | | | | | |
| 19 3 47 | 29.2 | 60 7.9 | 141 | 13.1 | 9.2 | 1.2 | 9 2 | 141 | 11 | 0.44 | 1.2 |
| 19 3 50 | 30.3 | 60 9.8 | 141 | 8.6 | 9.4 | 1.0 | 10 6 | 136 | 6 | 0.34 | 0.7 |
| 19 3 59 | 19.1 | 60 10.1 | 141 | 7.5 | 10.1 | 1.9 | 14 9 | 135 | 5 | 0.57 | 0.6 |
| 19 4 7 | 18.5 | 60 9.4 | 141 | 8.5 | 10.9 | 1.8 | 13 8 | 137 | 6 | 0.46 | 0.5 |
| 19 4 51 | 0.2 | 61 48.9 | 150 | 34.5 | 51.3 | 2.2 | 22 10 | 157 | 40 | 0.39 | 0.7 |
| 19 5 8 | 53.7 | 60 11.7 | 141 | 7.0 | 7.7 | 1.3 | 11 7 | 117 | 6 | 0.46 | 0.8 |
| 19 8 24 | 4.1 | 60 15.1 | 141 | 11.8 | 8.2 | 1.0 | 11 8 | 113 | 14 | 0.51 | 0.6 |
| 19 10 1 | 3.2 | 60 9.7 | 141 | 8.1 | 8.9 | 1.2 | 10 8 | 136 | 6 | 0.69 | 0.6 |
| 19 13 24 | 17.2 | 60 15.6 | 141 | 12.4 | 6.2 | 0.8 | 10 6 | 114 | 15 | 0.45 | 0.7 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MAY 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEZ | Q | AZ1 | DIP1 | SE1 | SEH | DIP2 | SE2 | AZ2 | DIP2 | SE3 | | | |
|--------------------------|-----|------|------|------|-------|-------|------|------|-----|-----|------|------|--------|------|------|-------|------|------|------|-----|------|------|-----|----|-----|
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984-05-19 09:51:07 | 60 | 10.2 | 141 | 8.7 | 8.9 | 1.1 | 11 | 7 | 135 | 6 | 0.55 | 0.6 | 0.5 A | 283 | 27 | 0.5 | 172 | 35 | 1.2 | 41 | 4.3 | 0.9 | | | |
| 1984-05-19 15:37:25.2 | 60 | 17.6 | 140 | 57.2 | 6.2 | 0.8 | 10 | 6 | 132 | 16 | 0.50 | 0.8 | 1.4 B | 305 | 6 | 0.5 | 38 | 26 | 0.7 | 203 | 63 | 2.8 | | | |
| 1984-05-19 15:55:24.6 | 60 | 13.9 | 140 | 53.0 | 6.2 | 1.1 | 10 | 5 | 126 | 10 | 0.44 | 1.0 | 1.0 A | 296 | 6 | 0.7 | 31 | 44 | 0.9 | 200 | 45 | 2.4 | | | |
| 1984-05-19 17:33:41.6 | 60 | 42.7 | 142 | 48.0 | 17.1 | 1.7 | 17 | 9 | 68 | 44 | 0.89 | 0.4 | 1.0 A | 170 | 2 | 0.6 | 261 | 6 | 0.7 | 62 | 84 | 1.8 | | | |
| 1984-05-19 18:10:44.1 | 59 | 53.7 | 153 | 25.9 | 127.4 | 2.9 | 19 | 10 | 217 | 47 | 0.33 | 1.8 | 1.2 B | 81 | 20 | 3.3 | 166 | 26 | 1.4 | 313 | 57 | 2.3 | | | |
| 1984-05-19 21:44:50.5 | 60 | 13.3 | 141 | 5.7 | 4.8 | 1.0 | 11 | 6 | 115 | 8 | 0.62 | 0.9 | 0.8 A | 312 | 18 | 0.6 | 206 | 42 | 2.0 | 60 | 43 | 0.9 | | | |
| 1984-05-20 02:33:58.0 | 59 | 58.6 | 140 | 7.5 | 10.5 | 1.3 | 8 | 4 | 152 | 15 | 0.66 | 2.0 | 1.5 B | 295 | 6 | 0.6 | 29 | 35 | 4.4 | 197 | 54 | 1.5 | | | |
| 1984-05-20 04:27:18.7 | 60 | 12.6 | 141 | 5.5 | 0.2 | 1.4 | 9 | 4 | 271 | 0 | 0.65 | 1.2 | 1.3 A | 39 | 16 | 1.4 | 299 | 32 | 2.2 | 152 | 53 | 2.5 | | | |
| 1984-05-20 06:27:37.5 | 60 | 16.8 | 141 | 11.6 | 0.1 | 0.9 | 4 | 3 | 279 | 32 | 0.42 | 2.3 | 1.7 B | 81 | 10 | 1.6 | 161 | 31 | 4.6 | 334 | 56 | 2.6 | | | |
| 1984-05-20 06:53:42.2 | 60 | 38.5 | 141 | 46.3 | 9.0 | 1.7 | 11 | 7 | 95 | 32 | 0.87 | 0.5 | 1.1 A | 359 | 2 | 0.6 | 268 | 15 | 0.9 | 96 | 75 | 2.0 | | | |
| 1984-05-20 07:55:57.9 | 61 | 58.5 | 149 | 28.0 | 36.4 | 2.2 | 16 | 11 | 186 | 42 | 0.55 | 0.9 | 0.8 A | 85 | 6 | 0.7 | 180 | 37 | 2.0 | 347 | 52 | 1.1 | | | |
| 1984-05-20 09:40:10.5 | 60 | 24.6 | 147 | 36.7 | 26.7 | 2.2 | 22 | 11 | 102 | 0 | 0.49 | 0.5 | 0.7 A | 261 | 6 | 0.7 | 340. | 26 | 0.9 | 159 | 61 | 1.4 | | | |
| 1984-05-20 13:13:06 | 60 | 17.3 | 141 | 48.9 | 12.6 | 1.0 | 7 | 4 | 100 | 9 | 0.63 | 1.2 | 0.7 A | 19 | 8 | 0.9 | 112 | 20 | 2.3 | 268 | 68 | 1.2 | | | |
| 1984-05-20 14:14:38.4 | 60 | 35.5 | 141 | 17.5 | 14.3 | 1.0 | 10 | 4 | 130 | 36 | 0.95 | 0.7 | 1.5 B | 81 | 4 | 1.2 | 161 | 6 | 0.7 | 314 | 78 | 2.7 | | | |
| 1984-05-20 15:52:31.6 | 60 | 23.2 | 151 | 57.3 | 77.1 | 2.5 | 17 | 8 | 109 | 53 | 0.87 | 0.8 | 1.8 B | 81 | 7 | 1.5 | 349 | 9 | 0.9 | 208 | 78 | 3.5 | | | |
| 1984-05-20 16:16:04 | 60 | 10.1 | 141 | 8.8 | 9.9 | 0.7 | 7 | 3 | 149 | 7 | 0.38 | 1.1 | 0.6 A | 192 | 12 | 2.1 | 287 | 21 | 0.6 | 74 | 65 | 1.0 | | | |
| 1984-05-20 21:11:45.0 | 60 | 37.1 | 148 | 48.3 | 31.9 | 2.0 | 31 | 12 | 75 | 30 | 0.51 | 0.5 | 0.6 A | 161 | 7 | 0.9 | 81 | 17 | 0.6 | 274 | 69 | 1.2 | | | |
| 1984-05-21 00:49:22.5 | 61 | 5.9 | 152 | 19.7 | 9.8 | 0.3 | 3 | 3 | 329 | 18 | 0.04 | 1.7 | 0.7 B | 287 | 0 | 3.2 | 197 | 6 | 2.0 | 2.0 | 17 | 84 | 1.3 | | |
| 1984-05-21 13:29:28.4 | 60 | 13.1 | 141 | 4.7 | 7.6 | 1.0 | 10 | 5 | 116 | 8 | 0.63 | 0.7 | 1.0 A | 299 | 17 | 0.8 | 38 | 26 | 1.1 | 180 | 58 | 2.0 | | | |
| 1984-05-21 18:47:06.7 | 58 | 20.7 | 155 | 48.5 | 168.7 | 3.6 | 11 | 2 | 299 | 266 | 0.26 | 25.0 | 25.0 D | 301 | 1 | 10.9 | 210 | 33 | 28.9 | 33 | 57 | 99.0 | | | |
| 1984-05-21 19:23:41.6 | 62 | 32.6 | 151 | 18.4 | 4.0 | ML | ATWC | 95.3 | 3.4 | 15 | 4 | 110 | 64 | 0.30 | 1.8 | 3.2 C | 303 | 3 | 3.4 | 33 | 15 | 2.2 | 202 | 75 | 6.2 |
| 1984-05-21 21:21:41:7 | 60 | 11.7 | 140 | 43.0 | 3.3 | 1.3 | 9 | 6 | 161 | 23 | 0.42 | 1.2 | 1.1 A | 113 | 1 | 0.6 | 22 | 38 | 2.6 | 204 | 52 | 1.6 | | | |
| 1984-05-21 22:22:39:4.1 | 61 | 19.4 | 150 | 10.9 | 16.1 | 0.7A | 4 | 3 | 167 | 34 | 0.21 | 16.5 | 20.8 D | 286 | 4 | 0.7 | 193 | 38 | 2.4 | 21 | 52 | 49.7 | | | |
| 1984-05-21 22:22:59:6.5 | 60 | 20.9 | 140 | 42.9 | 7.1 | 2.4 | 14 | 5 | 152 | 28 | 0.54 | 0.8 | 1.1 A | 319 | 12 | 0.6 | 81 | 12 | 1.0 | 200 | 54 | 2.0 | | | |
| 1984-05-21 23:23:54:20.1 | 60 | 23.1 | 140 | 43.5 | 10.9 | 0.9A | 5 | 3 | 227 | 31 | 0.16 | 1.5 | 3.6 C | 81 | 4 | 1.4 | 349 | 12 | 2.5 | 189 | 77 | 6.9 | | | |
| 1984-05-22 00:26:17.6 | 60 | 18.6 | 140 | 47.2 | 16.5 | 1.1 | 8 | 5 | 143 | 22 | 0.32 | 0.8 | 1.1 A | 311 | 7 | 0.6 | 45 | 29 | 0.9 | 209 | 60 | 2.4 | | | |
| 1984-05-22 01:36:21.0 | 61 | 16.0 | 149 | 39.1 | 43.3 | 1.5 | 10 | 7 | 118 | 6 | 0.23 | 0.6 | 1.1 A | 81 | 3 | 1.0 | 335 | 6 | 0.9 | 194 | 73 | 2.0 | | | |
| 1984-05-22 04:22:35:9.2 | 62 | 25.0 | 150 | 34.7 | 59.0 | 2.5 | 15 | 10 | 101 | 69 | 0.68 | 1.0 | 2.2 B | 309 | 5 | 1.1 | 41 | 20 | 1.0 | 206 | 69 | 4.3 | | | |
| 1984-05-22 04:22:31:19.8 | 60 | 19.0 | 140 | 45.4 | 16.1 | 0.7A | 8 | 6 | 146 | 24 | 0.37 | 0.9 | 1.3 A | 316 | 7 | 0.6 | 50 | 29 | 1.0 | 214 | 60 | 2.8 | | | |
| 1984-05-22 05:54:51.7 | 61 | 6.5 | 152 | 3.2 | 11.5 | 0.1 | 3 | 3 | 336 | 8 | 0.05 | 1.7 | 1.1 B | 265 | 2 | 3.3 | 355 | 12 | 2.0 | 166 | 78 | 2.1 | | | |
| 1984-05-22 12:35:47.3 | 61 | 37.5 | 150 | 28.8 | 10.2 | 1.1 | 11 | 7 | 133 | 23 | 0.69 | 0.5 | 0.8 A | 176 | 1 | 0.9 | 266 | 6 | 0.5 | 77 | 84 | 1.5 | | | |
| 1984-05-22 13:21:21:59.6 | 61 | 27.6 | 151 | 50.6 | 17.8 | 0.7 | 4 | 4 | 184 | 19 | 0.62 | 2.8 | 4.4 C | 292 | 3 | 5.2 | 23 | 23 | 0.6 | 195 | 67 | 4.8 | | | |
| 1984-05-22 14:22:25:1.9 | 60 | 31.4 | 142 | 52.0 | 16.5 | 2.0 | 25 | 12 | 62 | 36 | 0.77 | 0.3 | 0.8 A | 41 | 6 | 0.6 | 310 | 7 | 0.4 | 171 | 81 | 1.5 | | | |
| 1984-05-22 14:22:39:17.7 | 59 | 51.4 | 151 | 0.6 | 45.3 | 1.1 | 13 | 8 | 58 | 9 | 0.30 | 0.8 | 0.8 A | 28 | 18 | 0.8 | 281 | 42 | 1.2 | 135 | 43 | 1.7 | | | |
| 1984-05-23:17:41:8 | 60 | 29.6 | 142 | 58.0 | 13.9 | 1.2 | 12 | 6 | 90 | 33 | 0.61 | 0.4 | 1.6 B | 261 | 4 | 0.7 | 351 | 7 | 0.7 | 141 | 82 | 3.0 | | | |
| 1984-05-22:18:21:25.6 | 60 | 15.4 | 140 | 56.7 | 5.5 | 0.8 | 12 | 6 | 129 | 13 | 0.60 | 0.7 | 1.1 A | 292 | 0 | 0.6 | 22 | 30 | 0.9 | 202 | 60 | 2.3 | | | |
| 1984-05-22:19:14:17.1 | 60 | 27.9 | 142 | 53.7 | 18.3 | 0.9A | 10 | 5 | 87 | 29 | 0.59 | 0.7 | 1.6 B | 261 | 4 | 0.9 | 352 | 14 | 1.0 | 155 | 75 | 3.2 | | | |
| 1984-05-23:2:25:1.9 | 59 | 30.1 | 151 | 28.6 | 6.7 | 0.4A | 5 | 4 | 177 | 7 | 0.04 | 1.0 | 1.8 B | 81 | 14 | 0.7 | 342 | 17 | 1.4 | 207 | 66 | 3.7 | | | |
| 1984-05-23:2:25:3.9 | 60 | 15.4 | 141 | 3.1 | 8.2 | 1.1 | 11 | 7 | 123 | 12 | 0.38 | 0.9 | 1.0 A | 294 | 9 | 0.7 | 32 | 41 | 1.0 | 194 | 48 | 2.4 | | | |
| 1984-05-24:6:19:42.1 | 59 | 53.0 | 140 | 42.9 | 5.6 | 0.6 | 4 | 2 | 231 | 35 | 0.24 | 2.8 | 8.8 D | 291 | 1 | 1.9 | 201 | 4 | 5.2 | 35 | 86 | 16.6 | | | |
| 1984-05-24:17:33:33.9 | 60 | 15.0 | 140 | 58.6 | 13.3 | 1.3 | 10 | 5 | 126 | 43 | 0.58 | 1.0 | 1.2 A | 298 | 7 | 0.8 | 29 | 13 | 1.8 | 180 | 75 | 2.3 | | | |
| 1984-05-24:22:2:49.0 | 62 | 21.2 | 149 | 22.2 | 46.1 | 2.3 | 22 | 8 | 124 | 81 | 0.07 | 2.3 | 3.6 C | 92 | 1 | 1.2 | 2 | 17 | 2.4 | 185 | 73 | 7.0 | | | |
| 1984-05-25:1:57:12.5 | 59 | 30.1 | 151 | 28.4 | 5.1 | -0.2A | 6 | 3 | 164 | 7 | 0.07 | 0.9 | 1.9 B | 81 | 12 | 0.6 | 339 | 16 | 1.2 | 203 | 67 | 3.7 | | | |
| 1984-05-25:3:9:49.1 | 60 | 16.7 | 140 | 59.4 | 10.7 | 0.9 | 12 | 6 | 123 | 12 | 0.38 | 0.9 | 1.0 A | 294 | 9 | 0.7 | 32 | 41 | 1.0 | 194 | 48 | 2.4 | | | |
| 1984-05-25:3:42:43.1 | 59 | 59.9 | 140 | 13.1 | 9.5 | 1.4 | 9 | 4 | 153 | 11 | 0.57 | 1.5 | 1.2 B | 118 | 2 | 0.6 | 26 | 38 | 0.7 | 201 | 52 | 1.2 | | | |
| 1984-05-25:4:29:1.8 | 60 | 14.1 | 141 | 6.7 | 0.3 | 2.1 | 14 | 6 | 116 | 11 | 0.38 | 0.9 | 0.8 A | 313 | 10 | 0.6 | 49 | 31 | 0.7 | 201 | 52 | 1.2 | | | |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MAY 1984 | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----|------|------|------|-------|------|----|----|-----|-----|------|------|------|-----|-----|-----|------|-----|------|------|-----|----|------|
| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | D1 | RMS | DEG | MIN | SEC | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | | | |
| | | | | | | | | | | | | DEG | MIN | SEC | KM | DEG | MIN | SEC | DEG | MIN | SEC | | |
| 1984 MAY 25 4 40 40.0 | 61 | 1.4 | 152 | 1.2 | 8.9 | 0.1 | 6 | 4 | 140 | 18 | 0.29 | 2.7 | 4.3 | C | 81 | 1 | 3.7 | 168 | 32 | 0.8 | 349 | 58 | 9.6 |
| 25 4 49 58.6 | 60 | 13.3 | 141 | 7.1 | 0.5 | 1.4 | 10 | 4 | 114 | 9 | 0.58 | 0.6 | 1.4 | B | 46 | 11 | 1.0 | 313 | 14 | 0.6 | 173 | 72 | 2.7 |
| 25 5 29 34.2 | 60 | 12.7 | 141 | 7.3 | 0.6 | 1.3 | 10 | 6 | 112 | 8 | 0.56 | 0.7 | 1.3 | A | 307 | 9 | 0.5 | 40 | 19 | 1.1 | 193 | 69 | 2.6 |
| 25 5 33 19.1 | 60 | 12.7 | 141 | 7.3 | 0.0 | 0.9 | 9 | 2 | 112 | 8 | 0.61 | 1.1 | 1.7 | B | 297 | 5 | 0.6 | 30 | 26 | 1.6 | 197 | 63 | 3.4 |
| 25 5 57 26.5 | 62 | 13.0 | 148 | 5.2 | 35.0 | 2.2 | 22 | 9 | 193 | 47 | 0.53 | 1.2 | 0.7 | A | 170 | 9 | 2.3 | 81 | 34 | 0.9 | 273 | 55 | 1.6 |
| 25 6 39 22.9 | 62 | 27.4 | 151 | 55.9 | 0.2 | 2.1 | 13 | 4 | 183 | 57 | 0.37 | 1.9 | 1.6 | B | 138 | 7 | 2.3 | 261 | 16 | 2.8 | 322 | 53 | 2.5 |
| 25 9 30 9.3 | 63 | 19.0 | 151 | 35.4 | 85.7 | 2.8 | 10 | 3 | 144 | 149 | 0.23 | 9.1 | 13.7 | D | 280 | 12 | 16.4 | 13 | 16 | 3.9 | 155 | 70 | 27.0 |
| 25 9 33 29.5 | 60 | 43.2 | 143 | 26.1 | 5.5 | 0.9A | 5 | 2 | 114 | 62 | 0.24 | 2.0 | 25.0 | D | 280 | 1 | 1.0 | 190 | 3 | 1.7 | 28 | 87 | 58.8 |
| 25 10 58 42.5 | 60 | 8.3 | 139 | 47.3 | 18.2 | 0.9 | 6 | 3 | 199 | 22 | 0.50 | 2.0 | 0.9 | B | 119 | 12 | 0.7 | 213 | 19 | 4.0 | 358 | 67 | 1.2 |
| 25 14 52 17.1 | 59 | 32.1 | 153 | 9.0 | 96.7 | 2.8 | 18 | 7 | 154 | 75 | 0.40 | 1.9 | 3.1 | C | 304 | 10 | 2.2 | 211 | 15 | 3.2 | 66 | 72 | 6.1 |
| 3.4 MB | | | 3.3 | ML | ATWC | | | | | | | | | | | | | | | | | | |
| 25 22 6 21.6 | 60 | 16.4 | 141 | 28.0 | 6.2 | 0.7 | 8 | 2 | 112 | 18 | 0.61 | 1.0 | 1.3 | B | 222 | 4 | 1.9 | 131 | 25 | 1.2 | 321 | 65 | 2.7 |
| 25 23 27 29.6 | 60 | 6.5 | 141 | 8.3 | 8.1 | 0.9 | 9 | 3 | 142 | 8 | 0.33 | 1.2 | 0.9 | A | 261 | 28 | 0.8 | 9 | 31 | 2.5 | 138 | 46 | 1.2 |
| 26 0 41 38.0 | 60 | 15.3 | 141 | 0.6 | 3.9 | 1.4A | 3 | 2 | 187 | 11 | 0.16 | 2.5 | 3.7 | C | 104 | 16 | 1.0 | 5 | 29 | 1.0 | 219 | 56 | 8.3 |
| 26 5 10 56.3 | 60 | 4.8 | 141 | 11.0 | 4.9 | 0.9 | 8 | 8 | 198 | 12 | 0.53 | 1.0 | 0.8 | A | 295 | 8 | 0.8 | 30 | 33 | 2.1 | 193 | 56 | 1.3 |
| 26 14 45 55.7 | 59 | 44.2 | 150 | 46.6 | 39.1 | 2.4 | 21 | 9 | 101 | 7 | 0.48 | 0.6 | 1.0 | A | 304 | 17 | 1.0 | 40 | 18 | 0.7 | 174 | 65 | 2.1 |
| 26 20 54 22.1 | 60 | 17.7 | 140 | 57.3 | 7.8 | 1.1 | 9 | 7 | 132 | 16 | 0.48 | 0.8 | 1.0 | A | 317 | 7 | 0.7 | 51 | 35 | 0.9 | 217 | 54 | 2.3 |
| 27 1 59 52.1 | 59 | 30.0 | 151 | 29.0 | 6.4 | 0.5A | 6 | 3 | 145 | 6 | 0.06 | 1.0 | 1.2 | A | 81 | 13 | 0.6 | 340 | 29 | 1.5 | 192 | 57 | 2.6 |
| 27 5 43 4.0 | 60 | 29.8 | 145 | 1.6 | 11.6 | 0.8A | 6 | 4 | 150 | 46 | 0.70 | 1.3 | 2.5 | B | 121 | 8 | 1.1 | 30 | 9 | 2.2 | 252 | 78 | 4.8 |
| 27 8 30 2.4 | 62 | 3.7 | 148 | 22.3 | 37.8 | 2.3 | 25 | 8 | 97 | 28 | 0.45 | 1.1 | 0.9 | A | 179 | 23 | 2.2 | 81 | 31 | 0.9 | 301 | 51 | 1.8 |
| 27 20 27 14.2 | 60 | 1.5 | 141 | 26.7 | 4.9 | 1.3 | 10 | 7 | 164 | 27 | 0.56 | 0.9 | 0.9 | A | 90 | 4 | 0.7 | 184 | 44 | 1.4 | 356 | 46 | 1.9 |
| 27 21 46 3.1 | 59 | 34.9 | 151 | 24.1 | 45.4 | 1.1 | 10 | 5 | 91 | 11 | 0.23 | 1.3 | 1.4 | B | 261 | 8 | 1.5 | 342 | 43 | 1.1 | 162 | 46 | 3.4 |
| 28 2 11 49.3 | 62 | 6.8 | 149 | 34.0 | 13.5 | 2.0 | 15 | 9 | 201 | 54 | 0.70 | 1.1 | 1.6 | B | 272 | 21 | 0.6 | 173 | 24 | 1.0 | 39 | 57 | 3.5 |
| 28 5 17 57.5 | 59 | 12.7 | 153 | 32.2 | 95.9 | 3.9 | 16 | 3 | 173 | 115 | 0.39 | 2.4 | 4.9 | C | 179 | 6 | 3.1 | 271 | 16 | 3.8 | 69 | 73 | 9.4 |
| 4.8 MB | | | | | | | | | | | | | | | | | | | | | | | |
| 28 5 36 53.4 | 62 | 30.0 | 151 | 9.2 | 89.1 | 2.7 | 16 | 7 | 107 | 61 | 0.28 | 1.3 | 1.7 | B | 81 | 21 | 1.8 | 338 | 24 | 1.6 | 206 | 56 | 3.7 |
| 28 7 49 24.4 | 60 | 1.8 | 152 | 50.8 | 93.7 | 3.0 | 21 | 13 | 179 | 17 | 0.52 | 0.9 | 1.0 | A | 329 | 6 | 0.8 | 81 | 12 | 1.6 | 218 | 64 | 1.8 |
| 28 8 30 52.7 | 60 | 32.8 | 144 | 54.7 | 17.2 | 1.5 | 12 | 10 | 142 | 16 | 0.59 | 0.7 | 0.9 | A | 124 | 13 | 0.6 | 26 | 31 | 0.8 | 234 | 56 | 2.0 |
| 28 13 8 26.3 | 59 | 7.1 | 137 | 28.5 | 14.4 | 1.8 | 5 | 3 | 347 | 88 | 0.40 | 11.7 | 3.5 | D | 211 | 15 | 22.7 | 115 | 23 | 2.6 | 331 | 62 | 3.5 |
| 28 14 38 37.3 | 63 | 16.0 | 150 | 48.9 | 77.9 | 3.3 | 12 | 5 | 133 | 148 | 0.45 | 5.0 | 16.3 | D | 293 | 3 | 1.6 | 24 | 13 | 6.0 | 190 | 77 | 31.4 |
| 28 16 7 30.0 | 60 | 14.9 | 141 | 6.6 | 1.0 | 0.4A | 6 | 3 | 146 | 11 | 0.28 | 1.6 | 3.2 | C | 308 | 6 | 0.6 | 40 | 23 | 1.6 | 204 | 66 | 6.4 |
| 28 16 30 55.8 | 59 | 14.1 | 152 | 18.3 | 73.8 | 2.4 | 16 | 8 | 178 | 49 | 0.21 | 2.5 | 1.6 | B | 125 | 26 | 5.2 | 18 | 31 | 2.8 | 247 | 47 | 1.6 |
| 28 17 29 3.5 | 60 | 40.3 | 142 | 56.6 | 28.9 | 1.2 | 8 | 6 | 74 | 50 | 0.50 | 0.6 | 0.6 | A | 301 | 7 | 1.0 | 206 | 39 | 0.8 | 39 | 50 | 1.4 |
| 28 22 55 47.8 | 59 | 46.7 | 145 | 38.8 | 35.4 | 2.6 | 23 | 17 | 145 | 55 | 0.95 | 0.7 | 0.6 | A | 276 | 32 | 0.6 | 159 | 36 | 1.6 | 35 | 38 | 0.9 |
| 29 0 4 11.2 | 60 | 2.5 | 141 | 26.5 | 2.2 | 1.0 | 10 | 9 | 156 | 26 | 0.58 | 0.8 | 0.9 | A | 96 | 10 | 0.6 | 194 | 36 | 1.2 | 353 | 52 | 2.1 |
| 29 0 7 50.5 | 60 | 2.2 | 141 | 29.0 | 5.9 | 1.5 | 12 | 4 | 157 | 28 | 0.43 | 0.6 | 0.8 | A | 104 | 13 | 0.6 | 10 | 17 | 1.0 | 230 | 68 | 1.6 |
| 29 0 13 17.3 | 60 | 1.9 | 141 | 28.1 | 3.6 | 1.0 | 11 | 6 | 154 | 28 | 0.53 | 0.7 | 1.1 | A | 93 | 5 | 0.7 | 184 | 17 | 1.3 | 347 | 72 | 2.0 |
| 29 0 48 18.5 | 60 | 2.6 | 141 | 28.1 | 3.2 | 1.4 | 12 | 8 | 156 | 27 | 0.62 | 0.6 | 0.7 | A | 198 | 3 | 1.1 | 108 | 12 | 0.5 | 302 | 78 | 1.4 |
| 29 1 27 34.4 | 61 | 13.8 | 149 | 53.1 | 42.7 | 1.9 | 11 | 8 | 111 | 18 | 0.42 | 0.6 | 1.2 | A | 18 | 0 | 1.1 | 108 | 3 | 0.8 | 288 | 87 | 2.2 |
| 29 1 27 54.1 | 61 | 36.9 | 149 | 43.3 | 43.3 | 2.2 | 18 | 9 | 138 | 9 | 0.91 | 0.6 | 0.9 | A | 275 | 6 | 0.7 | 183 | 15 | 1.0 | 26 | 74 | 1.8 |
| 29 1 31 32.8 | 59 | 28.1 | 138 | 52.4 | 18.8 | 0.8 | 6 | 4 | 225 | 2 | 0.40 | 3.7 | 0.8 | C | 229 | 3 | 7.0 | 136 | 37 | 2.3 | 323 | 53 | 0.8 |
| 29 3 49 12.9 | 59 | 44.4 | 136 | 45.9 | 18.3 | 2.0 | 8 | 4 | 315 | 124 | 0.37 | 6.5 | 3.1 | D | 81 | 5 | 3.5 | 172 | 24 | 13.3 | 340 | 65 | 2.1 |
| 29 4 14 8.6 | 60 | 44.0 | 147 | 0.8 | 22.4 | 2.6 | 31 | 12 | 46 | 18 | 0.61 | 0.3 | 0.5 | A | 352 | 3 | 0.6 | 261 | 13 | 0.4 | 95 | 77 | 1.0 |
| 29 7 46 43.8 | 60 | 30.8 | 152 | 26.1 | 99.3 | 2.6 | 25 | 9 | 82 | 43 | 0.39 | 0.9 | 1.3 | B | 261 | 0 | 1.8 | 171 | 5 | 0.8 | 351 | 85 | 2.5 |
| 29 8 12 37.1 | 58 | 18.8 | 154 | 35.3 | 0.7 | 2.9 | 11 | 2 | 155 | 139 | 0.49 | 3.1 | 10.7 | D | 273 | 0 | 5.7 | 3 | 4.1 | 3 | 183 | 87 | 20.1 |
| 4.3 MB | | | 4.3 | ML | ATWC | | | | | | | | | | | | | | | | | | |
| 29 9 6 48.0 | 63 | 11.8 | 149 | 39.8 | 63.8 | 2.8 | 10 | 6 | 117 | 166 | 0.66 | 3.6 | 8.2 | D | 81 | 2 | 3.2 | 316 | 16 | 2.0 | 176 | 52 | 13.8 |
| 29 9 38 44.4 | 60 | 42.1 | 148 | 9.7 | 29.5 | 2.7 | 40 | 11 | 70 | 20 | 0.34 | 0.4 | 0.6 | A | 347 | 1 | 0.8 | 261 | 3 | 0.4 | 96 | 85 | 1.1 |
| 29 10 52 44.6 | 60 | 31.5 | 141 | 44.4 | 2.2 | 0.8 | 10 | 6 | 95 | 19 | 0.76 | 0.6 | 1.0 | A | 275 | 5 | 1.1 | 6 | 8 | 0.5 | 153 | 81 | 2.0 |
| 29 12 18 13.2 | 61 | 19.3 | 141 | 54.0 | 3.5 | 1.4 | 8 | 5 | 224 | 40 | 0.50 | 1.2 | 7.6 | D | 301 | 1 | 0.9 | 31 | 3 | 2.1 | 193 | 87 | 14.3 |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - MAY 1984 | | | | | | | | | | | |
|--|----|----|------|-----|------|------|-------|-------|-----|-----|------|
| 1984 | HR | MN | SEC | LAT | N | LONG | W | DEPTH | MAG | NP | NS |
| | | | | DEG | MIN | DEG | MIN | KM | KM | DEG | SEC |
| MAY 29 | 14 | 32 | 33.7 | 60 | 9.5 | 140 | 58.8 | 9.2 | 1.5 | 11 | 7 |
| | | | | 150 | 54.8 | 75.3 | 2.7 | 18 | 7 | 135 | 3 |
| 29 | 16 | 0 | 1.4 | 59 | 21.1 | 152 | 54.8 | | | | |
| | | | | 150 | 38.6 | 44.4 | 2.7 | 27 | 11 | 52 | 0.47 |
| 29 | 16 | 59 | 9.7 | 61 | 0.0 | 150 | 38.6 | | | | |
| | | | | 150 | 30.1 | 15.0 | 1.4 | 19 | 9 | 49 | 0.6 |
| 29 | 18 | 14 | 54.4 | 61 | 8.3 | 141 | 39.5 | | | | |
| | | | | 141 | 30.6 | 5.4 | 0.9 | 6 | 4 | 99 | 0.77 |
| 29 | 19 | 12 | 50.9 | 60 | 30.6 | 141 | 30.6 | | | | |
| | | | | 141 | 0.5 | 0.8 | 0.5 | 7 | 5 | 123 | 0.6 |
| 29 | 22 | 20 | 32.9 | 60 | 14.3 | 141 | 10.4 | | | | |
| | | | | 141 | 10.4 | 31.7 | 2.1A | 10 | 4 | 262 | 0.7 |
| 30 | 6 | 17 | 10.7 | 58 | 44.1 | 143 | 10.4 | | | | |
| | | | | 141 | 11.7 | 5.6 | 0.6 | 9 | 7 | 121 | 0.77 |
| 30 | 12 | 17 | 53.8 | 60 | 19.4 | 141 | 11.7 | | | | |
| | | | | 141 | 7.8 | 0.2 | 1.0 | 7 | 4 | 279 | 0.5 |
| 30 | 13 | 47 | 21.6 | 61 | 15.6 | 150 | 30.1 | | | | |
| | | | | 151 | 40.7 | 92.5 | 2.5 | 15 | 6 | 241 | 0.41 |
| 30 | 15 | 8 | 20.0 | 61 | 58.0 | 140 | 46.5 | | | | |
| | | | | 140 | 55.5 | 6.7 | 0.8 | 8 | 6 | 127 | 1.5 |
| 30 | 16 | 23 | 16.1 | 60 | 14.1 | 140 | 46.5 | | | | |
| | | | | 143 | 46.5 | 24.0 | 1.5 | 18 | 7 | 83 | 0.43 |
| 30 | 19 | 53 | 37.4 | 60 | 32.4 | 151 | 28.5 | | | | |
| | | | | 151 | 30.0 | 15.0 | 0.4A | 6 | 3 | 160 | 0.43 |
| 31 | 1 | 1 | 23.0 | 59 | 29.8 | 151 | 30.0 | | | | |
| | | | | 151 | 30.0 | 15.0 | 1.9 | 21 | 10 | 72 | 0.5 |
| 31 | 2 | 59 | 33.9 | 60 | 26.1 | 152 | 10.4 | | | | |
| | | | | 152 | 10.4 | 5.2 | -0.4A | 3 | 3 | 269 | 0.04 |
| 31 | 5 | 28 | 46.8 | 61 | 11.3 | 152 | 10.4 | | | | |
| | | | | 152 | 48.0 | 21.7 | 1.6 | 14 | 4 | 6 | 0.35 |
| 31 | 5 | 45 | 36.3 | 60 | 37.1 | 142 | 48.0 | | | | |
| | | | | 142 | 48.0 | 21.7 | 1.6 | 14 | 4 | 67 | 0.6 |
| 31 | 8 | 35 | 19.9 | 61 | 0.0 | 146 | 55.1 | | | | |
| | | | | 146 | 55.1 | 16.1 | 2.0 | 26 | 16 | 34 | 0.49 |
| 31 | 9 | 14 | 1.4 | 60 | 16.5 | 141 | 2.5 | | | | |
| | | | | 146 | 14.5 | 14.4 | 0.3 | 3 | 3 | 182 | 0.22 |
| 31 | 10 | 47 | 27.9 | 61 | 7.2 | 150 | 58.9 | | | | |
| | | | | 150 | 58.9 | 71.8 | 2.5 | 13 | 5 | 98 | 0.16 |
| 31 | 11 | 57 | 34.7 | 62 | 15.2 | 152 | 21.4 | | | | |
| | | | | 152 | 21.4 | 8.1 | 1.1 | 10 | 6 | 177 | 0.26 |
| 31 | 15 | 43 | 24.4 | 60 | 53.6 | 150 | 20.5 | | | | |
| | | | | 150 | 20.5 | 59.5 | 2.3 | 29 | 10 | 47 | 0.60 |
| 31 | 16 | 3 | 54.1 | 60 | 58.7 | | | | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JUNE 1984

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JUNE 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | |
|-------------|-----|------|------|------|-------|------|-------|-------|-----|-----|------|------|------|-----|------|------|-----|-----|------|-----|-----|------|-----|-----|------|
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | KM | DEG | MIN | KM | DEG | 0.52 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| JUN 8 | 3 | 8 | 27.4 | 60 | 37.0 | 143 | 41.5 | 5.0 | 1.8 | 11 | 8 | 101 | 4.4 | 4.1 | C | 351 | 0 | 1.0 | 81 | 2 | 0.8 | 261 | 88 | 7.7 | |
| 8 22 | 10 | 17.8 | 61 | 30.9 | 147 | 24.1 | 18.4 | 2.1 | 23 | 15 | 62 | 36 | 0.51 | 0.4 | 1.1 | A | 205 | 6 | 0.8 | 296 | 11 | 0.6 | 87 | 77 | 2.1 |
| 9 9 | 59 | 15.4 | 61 | 29.8 | 151 | 11.3 | 8.3 | 1.1 | 8 | 7 | 97 | 24 | 0.61 | 0.6 | 0.9 | A | 354 | 13 | 1.1 | 261 | 17 | 0.5 | 120 | 11 | 1.8 |
| 9 12 | 2 | 44.8 | 60 | 13.4 | 141 | 40.0 | 7.7 | 0.8 | 5 | 2 | 123 | 16 | 0.26 | 0.2 | 2.1 | B | 197 | 8 | 1.1 | 293 | 40 | 4.8 | 98 | 49 | 3.0 |
| 9 18 | 20 | 46.2 | 60 | 9.3 | 141 | 9.0 | 9.5 | 1.0 | 7 | 6 | 137 | 7 | 0.30 | 0.3 | 0.6 | A | 12 | 8 | 2.4 | 279 | 20 | 0.7 | 123 | 68 | 1.1 |
| 9 21 | 37 | 1.8 | 60 | 23.2 | 141 | 29.6 | 13.0 | 1.4 | 8 | 3 | 107 | 14 | 0.71 | 0.9 | 1.4 | B | 103 | 15 | 1.2 | 6 | 26 | 0.9 | 220 | 60 | 2.9 |
| 10 4 | 14 | 16.6 | 62 | 14.4 | 149 | 20.1 | 36.1 | 3.0 | 21 | 6 | 117 | 70 | 0.48 | 0.9 | 1.0 | A | 184 | 6 | 1.7 | 92 | 19 | 1.1 | 291 | 70 | 1.9 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 8 | 32 | 58.4 | 61 | 1.6 | 147 | 6.9 | 14.3 | 2.2 | 27 | 15 | 61 | 15 | 0.53 | 0.3 | 0.5 | A | 2 | 1 | 0.5 | 271 | 17 | 0.4 | 95 | 73 | 1.0 |
| 10 13 | 45 | 22.2 | 60 | 26.8 | 140 | 31.9 | 6.5 | 1.6 | 13 | 7 | 174 | 42 | 0.49 | 0.6 | 1.1 | A | 81 | 6 | 0.9 | 327 | 10 | 0.5 | 195 | 63 | 1.9 |
| 10 14 | 15 | 21.1 | 61 | 17.1 | 152 | 12.7 | 5.0 | 0.4 | 3 | 3 | 293 | 4 | 0.03 | 1.1 | 0.9 | A | 20 | 0 | 1.1 | 290 | 2 | 2.1 | 110 | 88 | 1.7 |
| 10 16 | 8 | 57.5 | 59 | 50.7 | 153 | 40.7 | 142.8 | 3.8 | 18 | 10 | 161 | 62 | 0.42 | 2.2 | 1.5 | B | 309 | 6 | 1.9 | 42 | 24 | 4.3 | 206 | 65 | 2.4 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 18 | 27 | 7.4 | 60 | 20.6 | 141 | 20.7 | 15.3 | 1.4 | 11 | 6 | 113 | 22 | 0.50 | 0.7 | 1.0 | A | 4 | 17 | 1.0 | 101 | 21 | 0.8 | 238 | 62 | 2.1 |
| 10 21 | 56 | 44.9 | 60 | 31.8 | 143 | 0.8 | 25.4 | 0.6A | 5 | 5 | 118 | 67 | 0.44 | 0.8 | 2.3 | B | 267 | 3 | 1.0 | 357 | 5 | 1.4 | 146 | 84 | 4.3 |
| 11 1 | 28 | 17.1 | 62 | 28.3 | 149 | 55.4 | 1.6 | 3.1 | 22 | 5 | 143 | 92 | 0.49 | 0.8 | 1.2 | A | 343 | 12 | 1.2 | 261 | 32 | 0.8 | 92 | 55 | 2.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 10 | 35 | 4.3 | 60 | 27.9 | 141 | 20.5 | 25.6 | 0.6A | 5 | 4 | 124 | 25 | 0.31 | 2.0 | 1.9 | B | 312 | 5 | 1.3 | 81 | 38 | 1.2 | 217 | 38 | 4.4 |
| 11 14 | 15 | 52.1 | 60 | 1.1 | 153 | 24.9 | 138.1 | 3.1 | 19 | 9 | 196 | 38 | 0.45 | 1.6 | 1.2 | B | 308 | 10 | 1.6 | 41 | 16 | 3.1 | 187 | 71 | 2.2 |
| 11 15 | 8 | 37.5 | 61 | 2.2 | 152 | 14.4 | 6.6 | 1.3 | 8 | 4 | 172 | 19 | 0.28 | 1.3 | 1.7 | B | 81 | 8 | 2.3 | 170 | 35 | 1.0 | 340 | 54 | 3.9 |
| 11 17 | 51 | 37.0 | 59 | 27.5 | 151 | 10.0 | 10.0 | 0.5 | 7 | 3 | 211 | 7 | 0.84 | 1.6 | 1.2 | B | 174 | 28 | 2.4 | 284 | 33 | 3.3 | 53 | 44 | 0.5 |
| 11 20 | 44 | 56.3 | 60 | 11.5 | 141 | 7.0 | 9.8 | 1.2A | 11 | 8 | 120 | 6 | 0.39 | 0.7 | 0.5 | A | 297 | 11 | 0.5 | 203 | 22 | 1.4 | 52 | 65 | 0.8 |
| 11 20 | 45 | 11.1 | 60 | 12.0 | 141 | 7.9 | 2.5 | 2.4 | 15 | 12 | 118 | 8 | 0.75 | 0.4 | 0.6 | A | 287 | 0 | 0.4 | 17 | 17 | 0.7 | 197 | 73 | 1.2 |
| 11 22 | 42 | 56.0 | 59 | 55.8 | 150 | 50.8 | 49.5 | 1.3 | 8 | 4 | 139 | 11 | 0.24 | 1.5 | 1.4 | B | 81 | 14 | 1.6 | 327 | 42 | 1.5 | 184 | 41 | 3.4 |
| 12 6 | 22 | 56.7 | 59 | 27.2 | 145 | 5.8 | 25.4 | 2.2 | 17 | 9 | 199 | 65 | 0.60 | 1.2 | 1.0 | A | 157 | 4 | 2.2 | 81 | 20 | 1.3 | 258 | 65 | 1.9 |
| 12 8 | 48 | 26.5 | 61 | 2.7 | 143 | 34.1 | 4.5 | 1.3 | 9 | 3 | 107 | 46 | 0.54 | 0.7 | 1.1 | A | 103 | 1 | 0.8 | 193 | 2 | 1.0 | 346 | 88 | 22.3 |
| 12 11 | 38 | 6.7 | 59 | 58.4 | 139 | 28.3 | 13.2 | 1.8 | 9 | 6 | 192 | 9 | 0.86 | 1.8 | 0.8 | B | 311 | 5 | 0.7 | 219 | 15 | 3.4 | 59 | 74 | 1.1 |
| 12 21 | 42 | 0.3 | 60 | 4.4 | 141 | 40.4 | 8.7 | 0.2A | 4 | 4 | 184 | 20 | 0.36 | 0.9 | 1.1 | A | 81 | 13 | 0.7 | 332 | 25 | 1.3 | 193 | 74 | 2.3 |
| 13 2 | 16 | 47.4 | 60 | 58.8 | 150 | 10.3 | 56.0 | 3.4 | 30 | 6 | 41 | 44 | 0.71 | 0.5 | 1.2 | A | 164 | 6 | 0.8 | 261 | 8 | 0.8 | 40 | 78 | 2.3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13.3 | MB | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 4 | 52 | 16.9 | 60 | 59.3 | 150 | 13.9 | 47.2 | 2.3 | 29 | 13 | 41 | 46 | 0.53 | 0.3 | 0.9 | A | 190 | 4 | 0.6 | 280 | 5 | 0.5 | 61 | 84 | 1.7 |
| 13 6 | 41 | 7.4 | 61 | 11.0 | 152 | 11.1 | 5.5 | -0.5A | 3 | 3 | 277 | 7 | 0.02 | 1.2 | 1.6 | B | 331 | 10 | 1.0 | 261 | 16 | 2.0 | 97 | 63 | 2.9 |
| 13 7 | 47 | 55.0 | 61 | 21.7 | 152 | 27.9 | 4.3 | 0.3A | 3 | 2 | 332 | 20 | 0.31 | 2.5 | 25.0 | D | 279 | 2 | 1.9 | 9 | 2 | 3.2 | 144 | 87 | 77.5 |
| 13 10 | 40 | 43.3 | 61 | 3.9 | 152 | 16.0 | 9.7 | 0.5 | 4 | 4 | 178 | 17 | 0.33 | 1.8 | 0.7 | B | 113 | 7 | 3.4 | 206 | 28 | 0.7 | 10 | 61 | 1.3 |
| 13 11 | 16 | 10.7 | 60 | 18.2 | 142 | 0.9 | 0.7 | 6 | 5 | 94 | 18 | 0.69 | 0.4 | 1.1 | A | 12 | 4 | 0.6 | 282 | 7 | 0.8 | 132 | 82 | 2.1 | |
| 13 13 | 5 | 1.0 | 61 | 57.3 | 147 | 46.2 | 29.0 | 2.4 | 27 | 7 | 106 | 27 | 0.69 | 0.6 | 0.8 | A | 261 | 0 | 0.9 | 351 | 0 | 1.1 | 90 | 1 | 0.5 |
| 13 16 | 17 | 2.6 | 61 | 16.0 | 146 | 57.7 | 21.8 | 2.2 | 23 | 12 | 41 | 37 | 0.60 | 0.3 | 0.8 | B | 303 | 8 | 0.5 | 212 | 9 | 0.6 | 74 | 78 | 1.5 |
| 13 20 | 26 | 13.6 | 60 | 7.0 | 141 | 35.0 | 12.1 | 1.0 | 6 | 4 | 140 | 26 | 0.16 | 0.5 | 0.9 | A | 81 | 2 | 0.6 | 350 | 12 | 0.9 | 180 | 78 | 1.8 |
| 13 22 | 10 | 3.6 | 61 | 31.3 | 151 | 41.9 | 88.8 | 2.5 | 19 | 6 | 179 | 29 | 0.75 | 1.3 | 1.4 | B | 81 | 11 | 1.2 | 162 | 30 | 2.2 | 332 | 57 | 2.8 |
| 14 1 | 11 | 11.4 | 60 | 55.5 | 149 | 28.5 | 32.7 | 1.4 | 14 | 5 | 67 | 26 | 0.55 | 0.5 | 0.8 | A | 356 | 3 | 0.7 | 265 | 10 | 1.0 | 102 | 80 | 1.6 |
| 14 3 | 37 | 13.0 | 61 | 6.4 | 141 | 17.4 | 12.9 | 2.2 | 13 | 5 | 216 | 16 | 0.69 | 1.0 | 1.2 | A | 134 | 2 | 0.9 | 43 | 32 | 1.6 | 227 | 58 | 2.4 |
| 14 6 | 26 | 30.1 | 62 | 25.5 | 149 | 21.0 | 40.2 | 3.1 | 16 | 6 | 128 | 87 | 0.34 | 4.1 | 17.2 | D | 317 | 3 | 1.5 | 81 | 9 | 1.3 | 214 | 55 | 27.8 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14.3 | MB | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 7 | 17 | 1.2 | 60 | 7.8 | 141 | 9.3 | 3.5 | 0.1 | 6 | 3 | 188 | 7 | 0.01 | 3.4 | 2.6 | C | 268 | 27 | 1.1 | 20 | 37 | 7.8 | 151 | 41 | 2.1 |
| 14 16 | 35 | 45.6 | 59 | 48.2 | 150 | 52.1 | 18.1 | 0.7 | 9 | 5 | 101 | 5 | 0.31 | 0.7 | 0.6 | A | 35 | 3 | 0.8 | 304 | 25 | 1.2 | 131 | 65 | 1.2 |
| 14 20 | 17 | 35.4 | 59 | 58.9 | 141 | 58.8 | 5.7 | 0.6 | 6 | 2 | 245 | 7 | 0.34 | 2.1 | 2.0 | B | 18 | 22 | 2.1 | 127 | 38 | 1.0 | 265 | 44 | 5.3 |
| 14 23 | 26 | 33.5 | 59 | 59.6 | 141 | 50.8 | 5.4 | 1.0 | 9 | 4 | 187 | 12 | 1.04 | 0.7 | 1.1 | A | 22 | 11 | 1.2 | 117 | 23 | 0.7 | 268 | 64 | 2.3 |
| 15 0 | 6 | 59.0 | 60 | 10.3 | 152 | 42.4 | 94.4 | 2.8 | 20 | 10 | 141 | 6 | 0.60 | 0.9 | 0.9 | A | 160 | 6 | 0.9 | 157 | 49 | 1.8 | 257 | 49 | 1.8 |
| 15 3 | 47 | 30.4 | 60 | 1.0 | 142 | 7.8 | 3.3 | 0.8 | 7 | 4 | 187 | 6 | 0.32 | 1.2 | 0.7 | A | 1 | 3 | 2.3 | 270 | 15 | 0.7 | 102 | 75 | 1.3 |
| 15 7 | 19 | 12.0 | 61 | 39.3 | 146 | 52.8 | 21.4 | 2.7 | 24 | 6 | 86 | 31 | 0.59 | 0.5 | 1.0 | A | 309 | 3 | 0.7 | 219 | 6 | 1.0 | 55 | 83 | 0.7 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JUNE 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 |
|-----------------------|-----|------|------|---------|-------|------|----|-----|-----|------|------|-------|--------|-----|------|-----|-----|------|-----|-----|------|------|
| | | | | | | | | | | | | | | | | | | | | | | |
| 1984 JUN 15 7 31 18.3 | 59 | 18.5 | 151 | 31.7 | 10.4 | 1.0 | 10 | 5 | 277 | 19 | 0.58 | 1.1 | 0.8 A | 81 | 5 | 1.3 | 342 | 17 | 2.2 | 186 | 70 | 1.3 |
| 15 13 35 39.8 | 59 | 18.4 | 144 | 53.2 | 21.8 | 2.0 | 10 | 5 | 269 | 74 | 0.39 | 2.1 | 1.3 B | 11 | 0 | 4.0 | 280 | 34 | 2.7 | 101 | 56 | 2.4 |
| 15 18 17 10.2 | 61 | 3.2 | 149 | 42.1 | 13.3 | 0.8A | 6 | 5 | 112 | 23 | 0.17 | 1.8 | 2.6 B | 175 | 20 | 0.6 | 276 | 28 | 1.0 | 54 | 55 | 5.8 |
| 15 22 39 12.3 | 61 | 16.6 | 152 | 17.1 | 7.8 | 0.6 | 3 | 2 | 306 | 7 | 0.02 | 1.4 | 4.2 C | 190 | 2 | 1.5 | 281 | 7 | 2.4 | 84 | 83 | 7.9 |
| 15 22 40 11.6 | 61 | 12.1 | 151 | 20.0 | 66.8 | 2.2 | 23 | 7 | 65 | 38 | 0.45 | 0.9 | 2.2 B | 81 | 4 | 0.8 | 145 | 13 | 1.2 | 334 | 61 | 3.8 |
| 16 0 57 41.1 | 60 | 45.1 | 152 | 28.4 | 10.0 | 0.9A | 6 | 4 | 185 | 20 | 0.66 | 2.5 | 1.1 A | 107 | 17 | 4.9 | 9 | 2.5 | 0.5 | 228 | 59 | 1.8 |
| 16 1 7 56.6 | 60 | 16.4 | 141 | 5.4 | 8.2 | 1.1 | 11 | 8 | 122 | 14 | 0.44 | 0.5 | 0.7 A | 299 | 6 | 0.4 | 32 | 28 | 0.7 | 198 | 61 | 1.5 |
| 16 2 0 48.6 | 60 | 41.0 | 148 | 20.9 | 31.1 | 2.2 | 38 | 13 | 73 | 20 | 0.46 | 0.4 | 0.4 A | 81 | 6 | 0.5 | 170 | 10 | 0.8 | 320 | 78 | 0.8 |
| 16 2 46 16.8 | 61 | 39.3 | 151 | 19.7 | 3.8 | 1.7 | 21 | 12 | 118 | 38 | 1.10 | 0.4 | 0.8 A | 261 | 1 | 0.5 | 152 | 8 | 0.6 | 357 | 69 | 1.4 |
| 16 2 58 57.9 | 59 | 58.7 | 141 | 11.5 | 1.1 | 0.9A | 9 | 6 | 165 | 22 | 0.60 | 0.9 | 2.0 B | 261 | 3 | 0.9 | 162 | 18 | 1.3 | 0 | 70 | 4.0 |
| 16 5 57 8.4 | 60 | 12.5 | 141 | 32.5 | 10.0 | 0.8 | 9 | 2 | 119 | 20 | 0.34 | 1.0 | 2.2 B | 81 | 5 | 1.3 | 142 | 18 | 1.0 | 336 | 56 | 3.8 |
| 16 8 0 23.1 | 62 | 58.8 | 149 | 24.4 | 64.0 | 2.8 | 15 | 7 | 154 | 142 | 0.46 | 4.6 | 15.5 D | 83 | 4 | 2.2 | 352 | 14 | 4.3 | 189 | 75 | 30.0 |
| 16 11 14 59.9 | 59 | 51.0 | 145 | 43.3 | 20.7 | 2.8 | 25 | 12 | 134 | 58 | 0.56 | 0.5 | 1.0 A | 359 | 1 | 0.9 | 89 | 9 | 0.7 | 263 | 81 | 1.8 |
| 16 14 58 3.2 | 60 | 13.7 | 141 | 3.6 | 0.1 | 0.3A | 5 | 4 | 118 | 8 | 0.14 | 1.0 | 2.7 C | 312 | 7 | 0.6 | 44 | 13 | 1.3 | 194 | 75 | 5.3 |
| 16 15 37 52.8 | 60 | 57.9 | 151 | 33.1 | 5.9 | 0.6A | 3 | 3 | 344 | 36 | 0.14 | 3.5 | 25.0 D | 142 | 3 | 1.9 | 81 | 4 | 4.4 | 278 | 61 | 59.4 |
| 16 21 20 36.8 | 60 | 19.6 | 140 | 42.4 | 13.3 | 1.2 | 8 | 4 | 150 | 26 | 0.31 | 1.1 | 1.5 B | 327 | 15 | 0.8 | 81 | 23 | 0.9 | 212 | 54 | 3.2 |
| 16 22 10 49.7 | 60 | 13.0 | 152 | 34.5 | 94.5 | 3.3 | 24 | 11 | 108 | 14 | 0.45 | 0.9 | 1.6 B | 81 | 1 | 1.6 | 341 | 3 | 0.9 | 188 | 80 | 2.9 |
| 3.7 MB | | | 3.8 | ML ATWC | | | | | | | | | | | | | | | | | | |
| 16 23 7 57.0 | 60 | 2.9 | 152 | 39.8 | 77.6 | 2.8 | 23 | 7 | 171 | 17 | 0.31 | 1.1 | 1.3 A | 332 | 7 | 0.9 | 81 | 25 | 1.9 | 229 | 58 | 2.5 |
| 16 23 20 22.4 | 60 | 12.3 | 141 | 3.9 | 5.7 | 0.5A | 8 | 4 | 132 | 6 | 0.20 | 4.1 | 3.1 C | 310 | 23 | 0.6 | 202 | 37 | 9.5 | 65 | 44 | 1.2 |
| 16 23 33 55.5 | 60 | 13.5 | 141 | 12.4 | 12.8 | 1.4 | 11 | 4 | 117 | 12 | 0.30 | 1.5 | 0.8 B | 211 | 21 | 3.0 | 310 | 22 | 0.7 | 82 | 59 | 1.1 |
| 17 8 15 56.2 | 60 | 41.4 | 142 | 59.5 | 31.0 | 1.5 | 9 | 6 | 86 | 52 | 0.60 | 0.9 | 12.3 D | 159 | 1 | 1.0 | 261 | 3 | 0.9 | 52 | 78 | 22.6 |
| 17 8 18 55.6 | 60 | 14.1 | 140 | 38.7 | 12.5 | 0.7A | 8 | 4 | 143 | 23 | 0.25 | 1.2 | 1.8 B | 300 | 13 | 0.6 | 37 | 28 | 1.3 | 188 | 59 | 3.9 |
| 17 8 38 51.9 | 60 | 10.7 | 139 | 40.3 | 15.6 | 1.1 | 8 | 6 | 196 | 25 | 0.64 | 1.5 | 1.2 B | 305 | 4 | 0.8 | 212 | 35 | 3.3 | 41 | 55 | 1.2 |
| 17 9 30 49.9 | 59 | 55.5 | 151 | 14.1 | 37.8 | 1.4 | 13 | 6 | 87 | 10 | 0.39 | 0.6 | 0.8 A | 108 | 4 | 1.2 | 17 | 7 | 0.6 | 227 | 82 | 1.5 |
| 17 9 53 11.7 | 61 | 9.0 | 149 | 30.3 | 42.0 | 1.7 | 22 | 10 | 41 | 11 | 0.42 | 0.6 | 0.9 A | 322 | 3 | 0.7 | 261 | 10 | 0.9 | 69 | 59 | 1.4 |
| 17 15 11 4.5 | 60 | 19.9 | 141 | 12.7 | 17.1 | 1.7 | 11 | 7 | 120 | 22 | 0.36 | 0.5 | 0.8 A | 302 | 1 | 0.5 | 33 | 23 | 0.7 | 210 | 67 | 1.5 |
| 17 15 12 30.9 | 60 | 18.2 | 141 | 16.4 | 21.5 | 0.3A | 5 | 4 | 142 | 21 | 0.28 | 3.0 | 3.1 C | 118 | 4 | 1.1 | 24 | 44 | 2.0 | 212 | 46 | 7.8 |
| 17 15 18 19.9 | 59 | 10.1 | 135 | 48.0 | 1.0 | 2.2 | 8 | 6 | 208 | 110 | 0.60 | 4.4 | 2.0 C | 215 | 5 | 8.3 | 306 | 8 | 1.1 | 93 | 81 | 3.7 |
| 17 19 3 38.8 | 60 | 15.7 | 140 | 38.1 | 9.9 | 0.8A | 7 | 7 | 147 | 25 | 0.22 | 1.4 | 1.9 B | 296 | 8 | 0.7 | 31 | 32 | 1.6 | 194 | 57 | 4.1 |
| 18 0 17 36.5 | 60 | 15.2 | 141 | 2.1 | 6.5 | 1.0 | 8 | 8 | 151 | 11 | 0.43 | 1.1 | 1.1 A | 304 | 8 | 0.6 | 207 | 43 | 2.8 | 42 | 46 | 0.8 |
| 18 1 37 17.2 | 60 | 20.0 | 141 | 20.5 | 13.9 | 1.6 | 12 | 9 | 113 | 22 | 0.68 | 0.5 | 0.7 A | 112 | 2 | 0.6 | 21 | 24 | 0.8 | 206 | 66 | 1.3 |
| 18 1 38 54.7 | 60 | 48.4 | 151 | 43.5 | 78.2 | 2.4 | 27 | 11 | 55 | 27 | 0.44 | 0.6 | 1.1 A | 169 | 11 | 0.6 | 81 | 11 | 1.1 | 305 | 74 | 1.8 |
| 18 3 6 26.4 | 60 | 6.5 | 153 | 8.8 | 116.3 | 2.7 | 23 | 6 | 182 | 20 | 0.29 | 1.8 | 1.3 B | 150 | 6 | 1.4 | 81 | 17 | 0.6 | 312 | 41 | 1.5 |
| 18 3 24 46.0 | 60 | 12.9 | 140 | 26.9 | 20.2 | 0.9 | 7 | 3 | 170 | 17 | 0.23 | 2.9 | 0.9 C | 207 | 12 | 5.5 | 302 | 23 | 0.8 | 91 | 64 | 1.5 |
| 18 3 51 2.2 | 63 | 8.5 | 150 | 42.8 | 121.6 | 3.6 | 12 | 2 | 127 | 136 | 0.25 | 6.8 | 9.8 D | 309 | 12 | 2.5 | 46 | 31 | 5.4 | 200 | 56 | 21.8 |
| 18 4 51 9.2 | 61 | 18.9 | 152 | 19.5 | 0.3 | 1.0 | 4 | 4 | 254 | 11 | 0.44 | 1.2 | 1.1 A | 105 | 30 | 2.0 | 350 | 37 | 1.4 | 223 | 39 | 2.5 |
| 18 5 31 58.3 | 59 | 55.6 | 150 | 20.7 | 14.3 | 1.0 | 10 | 3 | 148 | 17 | 0.40 | 0.9 | 0.9 A | 81 | 17 | 0.6 | 312 | 41 | 1.5 | 184 | 34 | 1.8 |
| 18 8 54 2.7 | 60 | 13.7 | 152 | 22.4 | 79.5 | 2.3 | 21 | 114 | 25 | 0.53 | 0.8 | 1.3 A | 169 | 2 | 0.8 | 81 | 9 | 1.4 | 272 | 81 | 2.4 | |
| 18 12 47 42.9 | 57 | 23.4 | 154 | 35.3 | 96.0 | 3.1 | 10 | 3 | 306 | 132 | 0.21 | 25.0 | 2.0 D | 345 | 23 | 8.7 | 261 | 28 | 2.5 | 254 | 116 | 54 |
| 18 13 16 4.2 | 59 | 49.0 | 141 | 31.3 | 2.8 | 1.7 | 12 | 7 | 188 | 38 | 0.58 | 1.0 | 1.3 A | 101 | 10 | 0.7 | 194 | 15 | 1.2 | 304 | 70 | 3.2 |
| 19 6 6 15.2 | 60 | 0.6 | 139 | 55.8 | 12.1 | 0.6 | 6 | 5 | 159 | 18 | 0.54 | 3.4 | 1.1 C | 301 | 0 | 0.9 | 31 | 12 | 6.5 | 211 | 78 | 1.5 |
| 18 14 50 26.5 | 60 | 25.7 | 147 | 43.2 | 19.0 | 1.9 | 25 | 9 | 75 | 59 | 0.41 | 0.6 | 1.0 A | 156 | 6 | 0.8 | 261 | 17 | 6.9 | 81 | 33 | 4.0 |
| 18 16 45 22.9 | 59 | 54.7 | 150 | 55.5 | 16.4 | 1.3 | 15 | 6 | 58 | 15 | 0.43 | 0.5 | 0.8 A | 261 | 18 | 0.7 | 357 | 19 | 0.6 | 130 | 63 | 1.6 |
| 18 17 21 30.7 | 60 | 12.9 | 141 | 0.2 | 2.3 | 1.2 | 8 | 6 | 119 | 7 | 0.57 | 0.7 | 1.0 A | 89 | 20 | 0.8 | 349 | 25 | 0.6 | 213 | 57 | 2.2 |
| 19 0 23 9.4 | 60 | 50.2 | 151 | 40.4 | 81.6 | 2.6 | 27 | 9 | 52 | 26 | 0.40 | 0.8 | 1.6 B | 172 | 14 | 0.9 | 81 | 15 | 1.2 | 304 | 70 | 3.2 |
| 19 10 51 25.9 | 60 | 14.9 | 140 | 37.7 | 11.5 | 1.4 | 11 | 5 | 146 | 25 | 0.35 | 1.0 | 1.3 A | 302 | 8 | 0.8 | 38 | 34 | 1.4 | 201 | 55 | 2.7 |
| 19 14 26 2.5 | 61 | 24.0 | 146 | 51.8 | 38.4 | 2.1 | 23 | 8 | 53 | 41 | 0.56 | 0.6 | 0.5 A | 261 | 8 | 0.9 | 140 | 33 | 4.0 | 208 | 40 | 7.5 |
| 19 16 27 10.6 | 60 | 55.3 | 150 | 31.3 | 62.3 | 2.6 | 32 | 11 | 50 | 48 | 0.47 | 0.5 | 1.2 A | 261 | 4 | 0.8 | 162 | 6 | 0.7 | 22 | 78 | 2.3 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JUNE 1984

| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | GAP | DJ | RMS | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | |
|------------------------|-------|--------|---------|------|-------|-------|-----|-----|------|------|------|------|------|-----|-----|------|-----|-----|------|-----|-----|
| | | | | | | | | | | | | | | | | | | | | | |
| 1984 JUN 19 22 53 31.3 | 59 | 32.8 | 152 9.1 | 54.6 | 2.3 | 17 | 5 | 98 | 0.29 | 1.4 | 2.2 | B | 285 | 14 | 1.1 | 19 | 17 | 2.3 | 157 | 68 | |
| 20 3 31 26.5 | 62 | 24.1 | 149 | 53.8 | 56.0 | 2.3 | 16 | 3 | 138 | 84 | 0.37 | 1.4 | 5.2 | C | 81 | 7 | 1.5 | 346 | 7 | 2.2 | 214 |
| 20 5 50 58.0 | 60 | 12.9 | 141 | 0.9 | 1.6 | 1.1 | 10 | 6 | 119 | 7 | 0.53 | 0.8 | 1.4 | B | 81 | 15 | 0.8 | 328 | 18 | 0.6 | 201 |
| 20 7 15 42.4 | 59 | 51.4 | 153 | 15.3 | 112.9 | 3.1 | 21 | 3 | 93 | 44 | 0.31 | 1.3 | 1.8 | B | 123 | 5 | 1.7 | 32 | 12 | 2.3 | 235 |
| 20 11 34 4.8 | 61 | 2.2 | 146 | 33.9 | 23.5 | 2.6 | 25 | 5 | 37 | 3 | 0.52 | 0.4 | 0.7 | A | 210 | 4 | 0.7 | 301 | 7 | 0.8 | 91 |
| 20 14 6 24.4 | 59 | 55.5 | 141 | 28.0 | 7.2 | 1.3A | 6 | 4 | 189 | 34 | 0.37 | 1.3 | 2.8 | C | 89 | 2 | 1.1 | 359 | 2 | 2.4 | 224 |
| 20 23 15 34.9 | 60 | 26.0 | 141 | 15.3 | 3.2 | 1.7 | 15 | 7 | 24 | 28 | 0.34 | 0.5 | 1.2 | A | 336 | 5 | 0.7 | 81 | 9 | 0.9 | 221 |
| 20 23 42 21.2 | 61 | 4.0 | 150 | 21.4 | 5.1 | 1.8 | 24 | 6 | 54 | 47 | 0.55 | 0.8 | 1.2 | A | 311 | 9 | 0.8 | 216 | 27 | 0.8 | 58 |
| 21 11 47 1.4 | 59 | 27.3 | 151 | 19.2 | 9.9 | 0.3 | 9 | 4 | 157 | 3 | 0.25 | 1.3 | 0.7 | A | 177 | 26 | 2.7 | 284 | 30 | 1.0 | 54 |
| 21 17 35 51.1 | 60 | 33.7 | 141 | 40.7 | 0.2 | 1.1 | 12 | 4 | 97 | 23 | 0.58 | 0.7 | 1.0 | A | 355 | 3 | 0.6 | 86 | 25 | 1.0 | 259 |
| 21 21 5 3.4 | 61 | 31.8 | 150 | 44.5 | 62.5 | 2.3 | 23 | 11 | 113 | 7 | 0.32 | 0.6 | 1.0 | A | 84 | 1 | 0.7 | 175 | 20 | 1.1 | 351 |
| 22 7 35 4.4 | 60 | 56.2 | 149 | 23.0 | 35.4 | 1.1A | 9 | 3 | 107 | 21 | 0.24 | 0.6 | 0.8 | A | 300 | 0 | 0.9 | 210 | 24 | 1.1 | 30 |
| 22 13 8 52.7 | 61 | 6.0 | 152 | 10.6 | 2.7 | 0.9 | 3 | 3 | 328 | 11 | 0.36 | 1.6 | 5.4 | D | 202 | 9 | 1.7 | 293 | 9 | 0.7 | 204 |
| 22 13 10 12.9 | 60 | 53.1 | 152 | 8.7 | 9.8 | 0.7A | 4 | 3 | 194 | 34 | 0.50 | 0.5 | 3.8 | D | 14 | 0 | 0.8 | 104 | 26 | 1.5 | 185 |
| 22 5 37 18.8 | 59 | 5.7 | 136 | 12.9 | 1.8 | 1.9 | 5 | 5 | 193 | 121 | 0.18 | 11.9 | 5.1 | D | 301 | 1 | 3.7 | 211 | 5 | 2.2 | 224 |
| 22 5 40 19.8 | 60 | 56.1 | 149 | 22.4 | 28.1 | 1.5 | 19 | 10 | 68 | 21 | 0.59 | 0.5 | 0.8 | A | 196 | 16 | 0.7 | 291 | 17 | 0.6 | 65 |
| 23 11 36 38.5 | 59 | 58.6 | 152 | 54.9 | 100.9 | 2.7 | 22 | 12 | 128 | 24 | 0.35 | 1.0 | 1.1 | A | 140 | 7 | 1.0 | 261 | 11 | 1.5 | 28 |
| 23 11 50 17.1 | 58 | 50.4 | 139 | 35.6 | 17.8 | 1.6 | 7 | 5 | 284 | 80 | 0.34 | 2.1 | 1.9 | B | 345 | 5 | 2.8 | 81 | 42 | 5.0 | 250 |
| 23 14 13 42.8 | 62 | 12.6 | 149 | 37.0 | 37.5 | 2.2 | 20 | 14 | 212 | 64 | 0.70 | 0.9 | 1.0 | A | 88 | 28 | 0.6 | 341 | 29 | 1.3 | 214 |
| 23 15 27 52.7 | 61 | 29.4 | 151 | 49.6 | 103.7 | 3.4 | 27 | 14 | 170 | 8 | 0.62 | 2.5 | 1.2 | B | 49 | 17 | 4.8 | 309 | 31 | 1.0 | 164 |
| 23 17 21 30.8 | 61 | 51.4 | 149 | 59.5 | 47.0 | 2.3 | 24 | 10 | 169 | 24 | 0.52 | 0.7 | 1.1 | A | 180 | 1 | 1.3 | 90 | 6 | 0.6 | 279 |
| 23 23 7 48.8 | 61 | 42.9 | 147 | 21.0 | 26.0 | 2.7 | 28 | 9 | 83 | 13 | 0.72 | 0.4 | 0.7 | A | 281 | 3 | 0.6 | 191 | 7 | 0.8 | 34 |
| 24 11 10 32.9 | 60 | 21.5 | 141 | 17.7 | 3.8 | 1.5A | 8 | 6 | 117 | 25 | 0.67 | 0.9 | 1.3 | A | 324 | 7 | 0.6 | 81 | 21 | 1.1 | 220 |
| 24 12 19 26.6 | 60 | 20.5 | 141 | 17.3 | 8.4 | 0.8 | 7 | 3 | 151 | 34 | 0.38 | 3.4 | 4.3 | C | 304 | 4 | 0.9 | 37 | 37 | 2.4 | 209 |
| 24 22 17 53.5 | 60 | 15.7 | 141 | 8.0 | 9.7 | 1.0 | 7 | 4 | 147 | 13 | 0.26 | 2.2 | 1.5 | B | 309 | 12 | 0.8 | 211 | 32 | 4.9 | 57 |
| 24 22 46 1.3 | 62 | 11.6 | 150 | 47.3 | 57.9 | 2.2 | 17 | 9 | 146 | 45 | 0.69 | 1.3 | 2.4 | B | 81 | 4 | 1.2 | 344 | 16 | 2.0 | 184 |
| 25 1 39 50.8 | 60 | 42.8 | 150 | 57.5 | 44.2 | 2.6 | 30 | 6 | 46 | 16 | 0.68 | 0.5 | 1.5 | A | 81 | 1 | 0.6 | 141 | 2 | 0.6 | 321 |
| 25 3 53 28.9 | 60 | 26.5 | 143 | 41.2 | 18.8 | 1.2 | 9 | 9 | 131 | 34 | 0.16 | 0.8 | 0.9 | A | 81 | 5 | 0.7 | 330 | 40 | 1.0 | 176 |
| 25 11 28 54.9 | 61 | 15.9 | 152 | 17.4 | 6.5 | -0.2A | 3 | 3 | 306 | 7 | 0.01 | 1.2 | 1.5 | B | 191 | 8 | 1.3 | 286 | 33 | 1.9 | 89 |
| 25 13 3 2.0 | 61 | 31.2 | 141 | 5.1 | 0.5 | 1.2A | 6 | 4 | 256 | 63 | 0.31 | 1.6 | 2.5 | D | 305 | 0 | 1.6 | 35 | 0 | 3.0 | 0 |
| 25 14 7 51.5 | 59 | 54.2 | 140 | 54.2 | 0.2 | 7 | 4 | 204 | 28 | 0.32 | 0.7 | 1.7 | B | 122 | 3 | 0.6 | 212 | 9 | 1.1 | 148 | |
| 25 14 20 30.5 | 60 | 7.0 | 141 | 7.0 | 1.4 | 0.7 | 8 | 5 | 159 | 6 | 0.34 | 1.8 | 1.6 | B | 110 | 3 | 0.7 | 17 | 41 | 4.4 | 203 |
| 26 1 30 56.4 | 60 | 7.6 | 141 | 25.0 | 8.5 | 1.1A | 5 | 5 | 162 | 22 | 0.56 | 0.9 | 1.2 | A | 99 | 4 | 0.6 | 191 | 19 | 1.6 | 358 |
| 26 8 6 19.2 | 61 | 7.5 | 149 | 10.4 | 33.3 | 0.4A | 7 | 6 | 88 | 25 | 0.44 | 0.6 | 1.3 | A | 113 | 1 | 1.1 | 203 | 17 | 0.9 | 20 |
| 26 11 21 50.0 | 60 | 1.9 | 152 | 41.7 | 93.5 | 2.5 | 22 | 13 | 118 | 18 | 0.49 | 0.7 | 0.9 | A | 328 | 1 | 0.8 | 261 | 2 | 1.2 | 88 |
| 26 15 53 8.4 | 60 | 9.0 | 151 | 15.1 | 52.4 | 3.0 | 28 | 11 | 66 | 12 | 0.44 | 0.6 | 0.8 | A | 16 | 13 | 0.6 | 282 | 14 | 1.0 | 147 |
| 26 16 26 45.5 | 60 | 2.9 | 141 | 27.2 | 9.2 | 1.0 | 6 | 4 | 155 | 26 | 0.29 | 1.5 | 1.7 | B | 290 | 2 | 0.9 | 198 | 40 | 1.6 | 22 |
| 26 17 10 57.7 | 60 | 16.2 | 141 | 11.7 | 9.0 | 1.1 | 8 | 4 | 146 | 16 | 0.33 | 1.0 | 1.0 | A | 104 | 3 | 0.6 | 11 | 45 | 1.6 | 197 |
| 26 22 2 56.9 | 60 | 24.8 | 152 | 19.3 | 15.6 | 1.1 | 16 | 9 | 119 | 19 | 0.64 | 0.6 | 1.0 | A | 171 | 8 | 0.5 | 81 | 25 | 0.8 | 278 |
| 27 1 32 42.1 | 60 | 1.6 | 141 | 18.6 | 4.8 | 1.4 | 10 | 6 | 158 | 21 | 0.34 | 1.1 | 1.4 | B | 88 | 4 | 0.8 | 180 | 26 | 1.2 | 64 |
| 27 9 39 18.0 | 61 | 0.5 | 150 | 12.8 | 43.7 | 2.5 | 34 | 12 | 43 | 44 | 0.46 | 0.4 | 1.6 | B | 261 | 0 | 0.7 | 345 | 1 | 0.8 | 171 |
| 27 11 36 31.8 | 61 | 9.1 | 149 | 13.2 | 40.8 | 0.9A | 6 | 4 | 114 | 21 | 0.20 | 1.4 | 2.3 | B | 27 | 15 | 1.9 | 123 | 21 | 1.4 | 264 |
| 27 12 18 49.7 | 60 | 40.8 | 144 | 23.1 | 25.1 | 1.1A | 7 | 7 | 81 | 39 | 0.31 | 0.7 | 0.9 | A | 104 | 2 | 1.3 | 13 | 31 | 0.9 | 197 |
| 27 14 20 18.0 | 60 | 12.3 | 152 | 49.8 | 110.1 | 3.4 | 21 | 4 | 76 | 3 | 0.37 | 1.3 | 2.9 | B | 326 | 0 | 1.5 | 81 | 7 | 1.9 | 236 |
| 27 18 59 31.8 | 60 | 49.1 | 147 | 39.9 | 26.9 | 2.0 | 32 | 11 | 57 | 33 | 0.33 | 0.6 | 0.9 | A | 272 | 2 | 0.6 | 182 | 15 | 1.0 | 9 |
| 28 2 13 43.4 | 61 | 18.4 | 149 | 7.9 | 34.2 | 1.7 | 26 | 12 | 54 | 24 | 0.52 | 0.7 | 0.7 | A | 261 | 7 | 0.9 | 133 | 25 | 0.9 | 1 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JUNE 1984

| ORIGIN | TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | D1 | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | |
|--------|------------|-----|------|------|------|-------|------|----|----|-----|-----|------|------|------|---|-----|------|------|-----|------|-----|-----|------|------|----|
| | | | | | | | | | | | | | | | | DEG | MIN | SEC | KM | DEG | SEC | KM | DEG | SEC | KM |
| 1984 | HR MN SEC | | | | | | | | | | | | | | | | | | | | | | | | |
| JUN 28 | 6 49 27.0 | 61 | 45.3 | 151 | 2.5 | 69.2 | 2.1 | 18 | 11 | 132 | 36 | 0.32 | 1.0 | 1.1 | A | 350 | 2 | 1.8 | 81 | 7 | 1.0 | 244 | 83 | 2.2 | |
| 28 | 8 18 17.5 | 61 | 13.5 | 150 | 32.2 | 5.2 | 0.9A | 8 | 3 | 101 | 29 | 0.51 | 2.6 | 1.7 | B | 305 | 15 | 1.5 | 42 | 25 | 5.2 | 187 | 60 | 2.5 | |
| 28 | 18 59 42.2 | 61 | 14.1 | 149 | 11.5 | 31.6 | 1.0 | 12 | 7 | 104 | 20 | 0.42 | 0.8 | 1.1 | A | 261 | 4 | 1.3 | 166 | 16 | 1.4 | 4 | 73 | 2.0 | |
| 28 | 19 17 42.5 | 61 | 19.5 | 149 | 8.9 | 34.2 | 1.4A | 15 | 9 | 69 | 24 | 0.33 | 0.9 | 0.9 | A | 81 | 13 | 1.0 | 327 | 37 | 1.9 | 185 | 45 | 1.4 | |
| 29 | 0 39 10.9 | 60 | 1.1 | 141 | 32.0 | 3.3 | 1.1 | 10 | 5 | 163 | 28 | 0.43 | 0.8 | 1.0 | A | 189 | 11 | 1.6 | 96 | 12 | 0.5 | 320 | 74 | 1.9 | |
| 29 | 7 28 33.0 | 61 | 23.4 | 147 | 29.1 | 18.6 | 2.0 | 28 | 13 | 59 | 28 | 0.51 | 0.4 | 0.7 | A | 192 | 5 | 0.7 | 283 | 12 | 0.5 | 80 | 77 | 1.3 | |
| 29 | 11 54 9.4 | 59 | 57.2 | 139 | 57.5 | 7.9 | 1.6 | 10 | 4 | 140 | 18 | 0.62 | 1.4 | 0.8 | B | 303 | 7 | 0.6 | 36 | 25 | 2.8 | 198 | 64 | 1.1 | |
| 29 | 17 52 48.7 | 61 | 28.3 | 140 | 31.6 | 2.6 | 1.3 | 8 | 5 | 250 | 71 | 0.41 | 1.9 | 25.0 | D | 307 | 0 | 1.9 | 37 | 2 | 2.6 | 217 | 88 | 70.9 | |
| 29 | 22 58 41.8 | 59 | 54.7 | 139 | 16.6 | 35.3 | 1.0 | 4 | 3 | 225 | 21 | 0.48 | 4.4 | 2.3 | C | 135 | 2 | 1.4 | 225 | 8 | 8.3 | 31 | 82 | 4.3 | |
| 30 | 1 19 24.2 | 60 | 29.2 | 142 | 22.9 | 17.3 | 1.3 | 6 | 4 | 157 | 40 | 0.70 | 1.0 | 2.6 | B | 17 | 1 | 0.8 | 286 | 5 | 1.8 | 118 | 85 | 4.8 | |
| 30 | 5 54 5.7 | 60 | 32.0 | 152 | 34.3 | 19.6 | 0.4A | 3 | 3 | 182 | 10 | 0.11 | 25.0 | 15.0 | D | 116 | 18 | 90.5 | 14 | 32 | 1.0 | 231 | 52 | 1.4 | |
| 30 | 7 55 34.1 | 60 | 9.1 | 141 | 6.8 | 8.9 | 1.0 | 7 | 5 | 135 | 4 | 0.16 | 1.3 | 0.4 | A | 19 | 4 | 2.5 | 111 | 22 | 0.9 | 279 | 68 | 0.7 | |
| 30 | 9 9 54.7 | 61 | 26.9 | 151 | 6.6 | 15.1 | 0.5A | 4 | 4 | 155 | 20 | 0.58 | 1.7 | 8.9 | D | 261 | 7 | 0.8 | 336 | 9 | 1.4 | 128 | 71 | 16.3 | |
| 30 | 21 2 55.6 | 61 | 16.5 | 152 | 10.3 | 3.4 | 0.4 | 3 | 1 | 279 | 1 | 0.00 | 2.1 | 2.1 | B | 176 | 3 | 1.2 | 83 | 44 | 2.3 | 269 | 46 | 5.1 | |
| 30 | 21 22 51.4 | 62 | 37.5 | 149 | 42.9 | 8.8 | 2.0 | 18 | 7 | 146 | 109 | 0.49 | 1.1 | 1.3 | A | 353 | 14 | 1.2 | 261 | 37 | 1.0 | 101 | 51 | 3.0 | |
| 30 | 23 4 13.6 | 60 | 59.2 | 150 | 8.1 | 43.2 | 2.5 | 26 | 10 | 42 | 42 | 0.51 | 0.4 | 1.5 | B | 90 | 1 | 0.6 | 0 | 2 | 0.8 | 207 | 88 | 2.9 | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JUNE 1984

| 1984 | ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | | | SEZ Q | | | AZ1 | | | DIP1 | | | SE1 | | | AZ2 | | | DIP2 | | | SE2 | | | AZ3 | | | DIP3 | | | SE3 | | | |
|-------|-------------|---------|----------|----------|------|------|----|-----|-----|------|------|------|-----|-------|-----|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|------|--|--|-----|--|--|--|
| | | | | | | | | | | | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | | | | | | | |
| JUL 1 | 10 20 52.5 | 58 38.9 | 142 30.0 | 30.0 | 2.3 | 11 | 7 | 258 | 157 | 0.60 | 5.1 | 25.0 | D | 297 | 0 | 4.6 | 27 | 0 | 9.5 | 0 | 90 | 99.0 | | | | | | | | | | | | | | | | | | | | | | |
| | 1 12 27 | 20.7 | 60 10.1 | 141 4.4 | 6.0 | 0.9 | 9 | 4 | 131 | 3 | 0.77 | 1.9 | 0.7 | B | 182 | 1 | 3.6 | 92 | 7 | 0.8 | 280 | 83 | | | | | | | | | | | | | | | | | | | | | | |
| | 1 14 51 | 4.3 | 60 2.7 | 141 39.6 | 7.0 | 0.8 | 11 | 7 | 156 | 21 | 0.63 | 1.1 | 0.8 | A | 88 | 18 | 0.5 | 185 | 21 | 2.2 | 321 | 62 | 1.5 | | | | | | | | | | | | | | | | | | | | | |
| | 1 14 55 | 13.0 | 60 29.8 | 145 5.1 | 14.6 | 1.5 | 19 | 11 | 113 | 8 | 0.75 | 0.5 | 0.6 | A | 12 | 4 | 0.9 | 104 | 16 | 0.5 | 268 | 73 | 1.1 | | | | | | | | | | | | | | | | | | | | | |
| | 2 10 24 | 59.7 | 60 15.0 | 141 9.9 | 11.0 | 1.0 | 10 | 5 | 115 | 13 | 0.39 | 0.7 | 0.7 | A | 290 | 4 | 0.7 | 24 | 43 | 1.0 | 196 | 47 | 1.7 | | | | | | | | | | | | | | | | | | | | | |
| | 2 12 13 | 19.5 | 61 12.4 | 151 27.6 | 73.9 | 2.1 | 17 | 11 | 75 | 31 | 0.36 | 0.6 | 1.0 | A | 81 | 12 | 0.7 | 165 | 22 | 0.9 | 322 | 64 | 1.9 | | | | | | | | | | | | | | | | | | | | | |
| | 2 13 19 | 26.7 | 60 8.9 | 141 1.1 | 12.6 | 1.6 | 13 | 136 | 1 | 0.42 | 0.6 | 0.4 | A | 184 | 9 | 1.2 | 280 | 31 | 0.7 | 80 | 57 | 0.8 | | | | | | | | | | | | | | | | | | | | | | |
| | 2 16 41 | 39.6 | 62 3.7 | 149 50.0 | 44.6 | 2.2 | 20 | 14 | 182 | 46 | 0.78 | 1.0 | 1.6 | B | 97 | 2 | 0.8 | 6 | 22 | 1.6 | 192 | 68 | 3.1 | | | | | | | | | | | | | | | | | | | | | |
| | 3 0 0 | 50.0 | 60 3.1 | 139 8.7 | 20.0 | 1.8 | 8 | 4 | 224 | 30 | 0.63 | 3.0 | 2.1 | A | 320 | 10 | 1.3 | 261 | 34 | 5.5 | 65 | 44 | 1.9 | | | | | | | | | | | | | | | | | | | | | |
| | 3 6 29 | 50.3 | 60 23.1 | 147 37.0 | 18.6 | 2.2 | 29 | 8 | 81 | 53 | 0.44 | 0.5 | 0.7 | A | 286 | 8 | 0.6 | 193 | 19 | 0.8 | 38 | 69 | 1.3 | | | | | | | | | | | | | | | | | | | | | |
| | 3 9 36 | 18.2 | 60 15.7 | 140 57.7 | 7.3 | 0.5 | 8 | 7 | 129 | 13 | 0.44 | 0.8 | 1.0 | A | 342 | 25 | 0.6 | 86 | 27 | 0.7 | 216 | 52 | 2.4 | | | | | | | | | | | | | | | | | | | | | |
| | 3 16 17 | 45.0 | 61 25.5 | 149 55.0 | 40.1 | 0.9A | 10 | 7 | 116 | 25 | 0.57 | 1.1 | 1.0 | A | 119 | 2 | 0.8 | 210 | 38 | 2.2 | 26 | 52 | 1.6 | | | | | | | | | | | | | | | | | | | | | |
| | 3 16 55 | 50.0 | 60 30.4 | 143 0.8 | 16.7 | 1.3 | 5 | 132 | 35 | 0.55 | 0.9 | 2.6 | B | 34 | 0 | 0.9 | 304 | 13 | 1.2 | 124 | 77 | 5.1 | | | | | | | | | | | | | | | | | | | | | | |
| | 4 31 0 | 0.7 | 61 21.3 | 150 9.0 | 12.2 | 1.3 | 13 | 8 | 78 | 34 | 0.48 | 0.6 | 0.7 | A | 290 | 12 | 0.5 | 196 | 17 | 1.1 | 53 | 69 | 1.5 | | | | | | | | | | | | | | | | | | | | | |
| | 4 5 34 | 37.3 | 60 7.5 | 137 34.0 | 1.7 | 1.6 | 8 | 6 | 289 | 105 | 0.32 | 1.5 | 4.1 | C | 307 | 3 | 2.7 | 37 | 8 | 2.3 | 197 | 81 | 7.7 | | | | | | | | | | | | | | | | | | | | | |
| | 4 6 4 | 40.3 | 61 21.9 | 146 40.8 | 27.2 | 2.9 | 28 | 8 | 53 | 32 | 0.59 | 0.4 | 0.9 | A | 23 | 1 | 0.7 | 293 | 4 | 0.5 | 127 | 86 | 1.6 | | | | | | | | | | | | | | | | | | | | | |
| | 4 9 2 | 35.1 | 60 28.7 | 147 18.8 | 29.5 | 2.4 | 29 | 11 | 80 | 46 | 0.72 | 0.4 | 0.4 | A | 81 | 8 | 0.5 | 346 | 15 | 0.7 | 198 | 72 | 0.8 | | | | | | | | | | | | | | | | | | | | | |
| | 4 10 25 | 32.2 | 60 44.5 | 140 29.2 | 13.1 | 0.9 | 9 | 5 | 209 | 52 | 0.68 | 2.8 | 1.8 | B | 261 | 0 | 4.3 | 137 | 5 | 0.8 | 351 | 56 | 2.8 | | | | | | | | | | | | | | | | | | | | | |
| | 4 11 10 | 57.7 | 60 6.2 | 140 30.5 | 6.2 | 0.6 | 7 | 3 | 151 | 14 | 0.65 | 4.1 | 2.1 | C | 281 | 3 | 1.1 | 12 | 26 | 8.5 | 185 | 64 | 1.7 | | | | | | | | | | | | | | | | | | | | | |
| | 4 11 37 | 39.0 | 61 31.3 | 151 18.7 | 70.7 | 2.7 | 21 | 10 | 90 | 31 | 0.42 | 0.8 | 1.1 | A | 175 | 17 | 1.3 | 81 | 18 | 0.8 | 306 | 65 | 2.3 | | | | | | | | | | | | | | | | | | | | | |
| | 4 16 53 | 50.9 | 58 45.6 | 153 0.9 | 84.6 | 2.8 | 11 | 6 | 166 | 114 | 0.44 | 1.5 | 4.2 | C | 7 | 1 | 1.3 | 277 | 14 | 2.2 | 101 | 76 | 8.1 | | | | | | | | | | | | | | | | | | | | | |
| | 4 22 37 | 24.6 | 60 37.1 | 142 59.1 | 20.4 | 1.1 | 6 | 3 | 77 | 47 | 0.41 | 0.8 | 1.6 | B | 131 | 6 | 1.4 | 222 | 8 | 0.9 | 5 | 80 | 3.1 | | | | | | | | | | | | | | | | | | | | | |
| | 4 23 51 | 29.3 | 60 18.8 | 140 42.1 | 8.7 | 0.8A | 5 | 2 | 171 | 26 | 0.28 | 1.5 | 2.3 | B | 95 | 6 | 0.8 | 1 | 30 | 1.2 | 195 | 59 | 4.9 | | | | | | | | | | | | | | | | | | | | | |
| | 5 9 19 | 29.6 | 60 7.2 | 141 7.3 | 7.2 | 1.2 | 10 | 8 | 140 | 6 | 0.55 | 0.7 | 0.5 | A | 280 | 10 | 0.5 | 15 | 15 | 26 | 1.4 | 171 | 62 | 0.7 | | | | | | | | | | | | | | | | | | | | |
| | 5 14 19 | 28.7 | 60 17.2 | 141 11.3 | 5.6 | 0.9 | 9 | 3 | 149 | 17 | 0.34 | 1.8 | 1.9 | B | 292 | 0 | 0.8 | 22 | 43 | 1.9 | 202 | 47 | 4.5 | | | | | | | | | | | | | | | | | | | | | |
| | 5 14 30 | 21.6 | 60 5.0 | 152 10.7 | 63.0 | 2.6 | 16 | 6 | 101 | 37 | 0.53 | 0.8 | 1.3 | A | 165 | 1 | 0.9 | 81 | 24 | 1.1 | 257 | 65 | 2.7 | | | | | | | | | | | | | | | | | | | | | |
| | 6 1 22 | 5.6 | 60 12.0 | 140 45.6 | 15.9 | 1.0 | 7 | 5 | 154 | 16 | 0.28 | 1.7 | 0.8 | B | 291 | 2 | 0.7 | 200 | 12 | 3.3 | 30 | 78 | 1.4 | | | | | | | | | | | | | | | | | | | | | |
| | 6 8 24 | 13.1 | 60 11.9 | 141 40.7 | 6.7 | 1.0 | 8 | 1 | 114 | 18 | 0.41 | 1.6 | 1.5 | B | 24 | 7 | 1.0 | 288 | 41 | 3.4 | 122 | 48 | 2.2 | | | | | | | | | | | | | | | | | | | | | |
| | 6 8 49 | 30.6 | 60 11.3 | 141 26.9 | 4.1 | 1.1 | 9 | 3 | 124 | 23 | 0.37 | 0.6 | 1.3 | A | 342 | 0 | 1.0 | 81 | 6 | 0.7 | 252 | 79 | 2.5 | | | | | | | | | | | | | | | | | | | | | |
| | 7 3 36 | 48.9 | 60 17.0 | 141 25.4 | 6.2 | 1.2 | 13 | 7 | 108 | 20 | 0.60 | 0.6 | 0.8 | A | 114 | 8 | 1.1 | 21 | 21 | 0.8 | 224 | 67 | 1.6 | | | | | | | | | | | | | | | | | | | | | |
| | 7 7 4 | 0 53.0 | 60 34.0 | 141 29.5 | 12.1 | 0.9 | 10 | 4 | 116 | 27 | 0.55 | 1.0 | 1.7 | B | 18 | 5 | 0.6 | 110 | 23 | 1.4 | 276 | 66 | 3.4 | | | | | | | | | | | | | | | | | | | | | |
| | 7 6 56 | 3.1 | 61 21.6 | 148 58.3 | 36.4 | 2.5 | 28 | 7 | 50 | 28 | 0.51 | 0.5 | 0.5 | A | 191 | 11 | 0.8 | 95 | 27 | 0.7 | 301 | 60 | 1.0 | | | | | | | | | | | | | | | | | | | | | |
| | 7 7 13 | 59.4 | 60 7.1 | 141 31.2 | 8.9 | 1.4 | 14 | 8 | 137 | 27 | 0.41 | 0.4 | 0.7 | A | 90 | 6 | 0.5 | 359 | 9 | 0.8 | 213 | 79 | 1.4 | | | | | | | | | | | | | | | | | | | | | |
| | 7 9 58 | 49.9 | 58 54.2 | 152 43.6 | 62.8 | 2.2 | 10 | 5 | 147 | 91 | 0.34 | 1.6 | 4.7 | C | 178 | 7 | 2.3 | 269 | 14 | 1.7 | 62 | 74 | 9.1 | | | | | | | | | | | | | | | | | | | | | |
| | 7 13 28 | 29.7 | 62 23.7 | 148 19.8 | 33.8 | 2.2 | 20 | 6 | 126 | 65 | 0.67 | 1.3 | 1.0 | A | 294 | 26 | 1.7 | 183 | 36 | 2.8 | 51 | 43 | 1.0 | | | | | | | | | | | | | | | | | | | | | |
| | 7 13 39 | 19.9 | 60 18.9 | 141 16.4 | 17.2 | 1.1 | 10 | 7 | 116 | 22 | 0.53 | 0.9 | 1.2 | A | 11 | 4 | 0.5 | 104 | 32 | 1.0 | 275 | 58 | 2.5 | | | | | | | | | | | | | | | | | | | | | |
| | 7 15 26 | 52.7 | 61 29.2 | 141 40.6 | 11.1 | 1.8 | 9 | 4 | 240 | 61 | 0.24 | 0.7 | 4.9 | C | 299 | 4 | 1.8 | 280 | 7 | 0.4 | 11 | 12 | 0.7 | 160 | 76 | 1.3 | | | | | | | | | | | | | | | | | | |
| | 7 16 39 | 48.9 | 61 31.5 | 140 39.3 | 1.8 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JULY 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | | | SEZ | | | Q | | | AZI | | | DIP1 | | | SE1 | | | AZ2 | | | DIP2 | | | SE2 | | | AZ3 | | | DIP3 | | | SE3 | | |
|----------------------|-----|------|------|------|-------|------|----|----|-----|-----|------|------|------|-----|-----|-----|------|-----|-----|------|-----|-----|------|------|------|------|------|-----|-----|------|-----|-----|------|-----|-----|------|------|-----|-----|------|-----|------|--|--|-----|--|--|
| | | | | | | | | | | | | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | | | | | | |
| 1984 JUL 8 2 37 19.4 | 58 | 58.2 | 153 | 9.1 | 34.8 | 2.9 | 9 | 4 | 164 | 106 | 0.29 | 1.5 | 25.0 | 0 | 357 | 0 | 1.2 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | 5.8 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | |
| 8 4 48 19.4 | 60 | 22.6 | 153 | 2.9 | 122.3 | 3.0 | 16 | 6 | 83 | 20 | 0.29 | 1.1 | 1.1 | 4 | 4 | 14 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | 5.8 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 8 5 13 1.4 | 59 | 55.5 | 140 | 39.2 | 14.1 | 1.2 | 9 | 3 | 163 | 29 | 0.54 | 1.6 | 2.4 | B | 112 | 8 | 0.6 | 207 | 30 | 1.3 | 9 | 59 | 5.3 | 5.3 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 8 10 16 11.0 | 61 | 15.0 | 146 | 46.3 | 21.2 | 2.5 | 27 | 12 | 42 | 24 | 0.51 | 0.3 | 0.7 | A | 17 | 4 | 0.6 | 286 | 10 | 0.4 | 128 | 79 | 1.3 | 1.3 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 8 11 46 51.7 | 60 | 34.5 | 150 | 45.1 | 13.3 | 2.1 | 24 | 8 | 68 | 30 | 0.69 | 0.4 | 0.8 | A | 197 | 2 | 0.6 | 288 | 20 | 0.5 | 102 | 70 | 1.6 | 1.6 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 8 19 55 31.7 | 60 | 6.4 | 136 | 59.8 | 7.0 | 1.7 | 5 | 3 | 323 | 128 | 0.06 | 3.6 | 5.8 | D | 81 | 10 | 4.7 | 335 | 16 | 5.4 | 198 | 66 | 11.3 | 11.3 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 8 20 0 48.5 | 60 | 13.1 | 141 | 16.1 | 13.6 | 0.9 | 7 | 5 | 126 | 15 | 0.15 | 1.1 | 1.0 | A | 303 | 16 | 0.6 | 48 | 41 | 1.4 | 197 | 44 | 2.5 | 2.5 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 8 20 7 4.2 | 59 | 59.9 | 141 | 39.6 | 14.1 | 1.1 | 9 | 6 | 172 | 21 | 0.33 | 0.7 | 1.1 | A | 193 | 7 | 1.3 | 101 | 19 | 0.6 | 302 | 70 | 2.3 | 2.3 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 8 23 33 32.6 | 60 | 21.7 | 140 | 57.0 | 12.2 | 1.1 | 5 | 5 | 166 | 24 | 0.38 | 2.2 | 2.7 | C | 295 | 2 | 0.7 | 27 | 38 | 1.1 | 205 | 52 | 6.3 | 6.3 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 8 23 50 7.8 | 60 | 21.8 | 140 | 56.3 | 6.6 | 1.1 | 7 | 4 | 167 | 45 | 0.47 | 2.1 | 2.9 | C | 113 | 1 | 0.7 | 22 | 28 | 3.1 | 205 | 62 | 5.9 | 5.9 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 9 1 59 55.7 | 60 | 1.7 | 141 | 0.4 | 0.0 | 1.0 | 7 | 3 | 165 | 14 | 0.43 | 1.0 | 2.3 | B | 129 | 11 | 0.7 | 221 | 13 | 1.4 | 0 | 73 | 4.5 | 4.5 | 4.5 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | |
| 9 10 15 30.5 | 61 | 32.9 | 152 | 5.6 | 109.5 | 2.6 | 18 | 12 | 197 | 27 | 0.34 | 1.3 | 1.6 | B | 261 | 1 | 1.1 | 135 | 24 | 1.8 | 353 | 48 | 2.7 | 2.7 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 9 10 47 32.8 | 60 | 14.6 | 141 | 2.1 | 9.4 | 1.9 | 15 | 9 | 122 | 10 | 0.43 | 0.5 | 0.7 | A | 284 | 3 | 0.6 | 15 | 24 | 0.9 | 187 | 66 | 1.4 | 1.4 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 9 22 56 46.1 | 60 | 3.7 | 140 | 58.6 | 5.3 | 1.0 | 5 | 4 | 189 | 11 | 0.25 | 1.7 | 1.2 | B | 121 | 10 | 0.8 | 25 | 29 | 3.6 | 228 | 59 | 1.5 | 1.5 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 10 2 33 49.7 | 61 | 15.3 | 149 | 25.3 | 41.8 | 1.9 | 25 | 12 | 80 | 8 | 0.42 | 0.6 | 1.0 | A | 102 | 6 | 0.8 | 11 | 7 | 1.2 | 232 | 81 | 2.0 | 2.0 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 10 19 5 11.6 | 60 | 59.9 | 147 | 18.9 | 23.4 | 2.2 | 25 | 7 | 84 | 18 | 0.47 | 0.5 | 0.9 | A | 194 | 10 | 0.9 | 286 | 12 | 0.5 | 65 | 74 | 1.7 | 1.7 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 10 7 20 5.3 | 60 | 8.2 | 141 | 17.5 | 2.8 | 1.2 | 11 | 8 | 137 | 15 | 0.40 | 0.9 | 1.0 | A | 287 | 5 | 0.8 | 19 | 17 | 1.7 | 181 | 72 | 1.9 | 1.9 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 10 7 49 51.0 | 60 | 42.3 | 150 | 15.6 | 49.9 | 2.4 | 25 | 15 | 48 | 21 | 0.51 | 0.5 | 1.2 | B | 277 | 4 | 0.8 | 7 | 6 | 0.9 | 153 | 83 | 2.3 | 2.3 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 10 12 17 0.1 | 60 | 16.1 | 140 | 46.5 | 17.1 | 1.2 | 7 | 5 | 145 | 19 | 0.34 | 1.2 | 1.6 | B | 315 | 12 | 1.0 | 53 | 32 | 1.3 | 207 | 55 | 3.5 | 3.5 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 10 14 56 57.6 | 60 | 59.2 | 147 | 14.1 | 21.4 | 2.1 | 25 | 7 | 46 | 14 | 0.51 | 0.5 | 0.9 | A | 5 | 2 | 0.9 | 274 | 9 | 0.6 | 107 | 81 | 1.7 | 1.7 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 10 19 16 7.9 | 61 | 6.0 | 149 | 14.6 | 35.7 | 1.4 | 15 | 7 | 78 | 23 | 0.42 | 0.6 | 0.8 | A | 94 | 2 | 1.0 | 184 | 5 | 1.2 | 342 | 85 | 1.4 | 1.4 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 10 23 10 32.5 | 61 | 40.3 | 150 | 19.0 | 7.6 | 0.8A | 4 | 4 | 157 | 23 | 0.49 | 1.5 | 1.7 | B | 267 | 23 | 0.9 | 13 | 33 | 1.7 | 149 | 48 | 4.0 | 4.0 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 11 11 49 43.5 | 59 | 58.0 | 140 | 50.4 | 4.5 | 0.8A | 6 | 1 | 195 | 23 | 0.22 | 2.9 | 4.0 | C | 120 | 6 | 1.0 | 214 | 34 | 2.3 | 21 | 55 | 9.0 | 9.0 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 11 15 45 49.7 | 60 | 8.1 | 140 | 58.2 | 3.4 | 0.3 | 3 | 2 | 284 | 4 | 0.01 | 2.0 | 1.1 | B | 10 | 0 | 1.0 | 280 | 10 | 3.8 | 100 | 80 | 1.9 | 1.9 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 11 15 47 2.9 | 57 | 50.1 | 137 | 30.1 | 28.0 | 2.9 | 9 | 4 | 193 | 157 | 0.67 | 9.1 | 9.8 | D | 310 | 5 | 4.1 | 43 | 24 | 16.6 | 209 | 65 | 18.7 | 18.7 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 11 20 3 42.9 | 60 | 27.9 | 152 | 27.2 | 19.8 | 0.4 | 3 | 3 | 198 | 12 | 0.39 | 16.0 | 1.1 | D | 112 | 2 | 30.0 | 22 | 18 | 1.0 | 208 | 72 | 1.8 | 1.8 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 12 1 20 29.0 | 61 | 9.6 | 149 | 56.5 | 18.6 | 1.0A | 5 | 2 | 233 | 23 | 0.55 | 2.4 | 3.2 | C | 123 | 4 | 4.5 | 215 | 28 | 1.8 | 26 | 62 | 6.8 | 6.8 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 12 5 58 1.2 | 64 | 11.2 | 150 | 14.3 | 57.9 | 3.1 | 9 | 2 | 168 | 142 | 0.33 | 9.9 | 25.0 | D | 118 | 2 | 18.1 | 208 | 5 | 3.2 | 6 | 85 | 99.0 | 99.0 | 99.0 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | |
| 12 7 56 36.4 | 60 | 46.0 | 143 | 8.1 | 16.9 | 1.3 | 10 | 4 | 80 | 52 | 0.61 | 0.7 | 4.9 | C | 145 | 1 | 0.7 | 261 | 2 | 1.0 | 35 | 64 | 8.3 | 8.3 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 12 9 53 32.3 | 60 | 4.6 | 139 | 46.0 | 9.5 | 1.0 | 6 | 4 | 196 | 16 | 0.71 | 3.2 | 1.4 | C | 211 | 20 | 6.3 | 310 | 3 | 0.8 | 84 | 59 | 1.6 | 1.6 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 12 16 6 35.3 | 61 | 15.7 | 152 | 25.9 | 4.0 | 1.8 | 14 | 5 | 125 | 15 | 1.08 | 0.9 | 1.2 | A | 317 | 20 | 1.4 | 217 | 24 | 0.8 | 82 | 58 | 2.5 | 2.5 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 12 19 41 51.4 | 60 | 3.9 | 139 | 47.9 | 18.8 | 1.8 | 10 | 4 | 194 | 16 | 0.62 | 3.2 | 0.9 | C | 212 | 7 | 6.1 | 304 | 14 | 0.8 | 96 | 74 | 1.5 | 1.5 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | | | | | |
| 12 22 29 29.5 | 60 | 15.6 | 141 | 3.3 | 8.8 | 1.7 | 12 | 6 | 123 | 12 | 0.46 | 0.7 | 0.8 | A | 298 | 3 | 0.7 | 308 | 10 | 0.4 | 116 | 80 | 1.0 | 1.0 | 204 | 56 | 56 | 56 | 2.0 | 2.56 | 52 | 2.0 | 2.4 | 1.4 | 104 | 35 | 2.4 | 87 | 89 | 75.3 | | | | | | | |
| 13 1 26 12.7 | 60 | 28.0 | 143 | 0.1 | 7.1 | 1.2 | 8 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JULY 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | | | |
|-------------|-----|----|------|------|-------|------|------|-------|------|------|-----|-----|------|------|------|------|-----|-----|------|-----|-----|------|------|-----|-----|------|-----|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | | | |
| JUL 16 | 18 | 33 | 26.2 | 60 | 41.0 | 140 | 35.7 | 0.2 | 1.7 | 12 | 8 | 196 | 51 | 0.78 | 0.8 | 1.4 | B | 130 | 4 | 0.8 | 221 | 12 | 1.5 | 22 | 77 | 2.7 | |
| 16 | 21 | 44 | 12.1 | 61 | 24.9 | 140 | 33.2 | 12.6 | 1.3A | 4 | 3 | 286 | 65 | 0.34 | 4.2 | 16.6 | D | 94 | 7 | 2.8 | 2 | 10 | 4.5 | 218 | 78 | 31.9 | |
| 16 | 21 | 44 | 54.0 | 61 | 26.3 | 140 | 32.3 | 5.0 | 1.3 | 4 | 3 | 288 | 68 | 0.15 | 4.2 | 25.0 | D | 129 | 1 | 5.5 | 39 | 5 | 4.1 | 230 | 85 | 75.2 | |
| 17 | 5 | 51 | 27.7 | 60 | 26.9 | 144 | 54.8 | 20.0 | 0.8 | 11 | 7 | 181 | 19 | 0.44 | 1.0 | 1.1 | A | 114 | 16 | 0.9 | 12 | 35 | 1.4 | 224 | 50 | 2.5 | |
| 17 | 6 | 44 | 2.6 | 60 | 7.8 | 141 | 4.3 | 0.0 | 0.4 | 4 | 2 | 105 | 3 | 0.19 | 2.0 | 5.0 | C | 210 | 1 | 0.8 | 120 | 12 | 3.2 | 305 | 78 | 9.5 | |
| 17 | 11 | 59 | 34.1 | 61 | 50.1 | 147 | 3.8 | 2.7 | 2.1 | 28 | 17 | 141 | 14 | 0.80 | 0.6 | 0.8 | A | 94 | 1 | 0.6 | 184 | 24 | 1.1 | 2 | 66 | 1.6 | |
| 18 | 5 | 0 | 20.2 | 60 | 5.2 | 140 | 56.5 | 8.3 | 1.5 | 10 | 9 | 145 | 9 | 0.54 | 0.9 | 0.6 | A | 111 | 9 | 0.5 | 16 | 29 | 1.8 | 217 | 59 | 0.9 | |
| 18 | 6 | 59 | 8.1 | 60 | 20.2 | 141 | 21.1 | 13.8 | 0.8 | 6 | 4 | 148 | 22 | 0.35 | 1.1 | 1.2 | A | 111 | 11 | 0.6 | 12 | 39 | 1.4 | 214 | 49 | 2.8 | |
| 18 | 9 | 0 | 52.1 | 61 | 18.4 | 141 | 10.2 | 3.8 | 0.9A | 4 | 3 | 274 | 39 | 0.26 | 2.9 | 18.5 | D | 321 | 1 | 1.9 | 81 | 4 | 3.6 | 220 | 60 | 30.2 | |
| 18 | 14 | 14 | 47.0 | 60 | 32.4 | 142 | 59.5 | 13.6 | 0.8A | 4 | 4 | 140 | 38 | 0.27 | 0.8 | 4.9 | C | 261 | 0 | 0.9 | 337 | 4 | 1.3 | 171 | 75 | 8.9 | |
| 18 | 15 | 58 | 56.6 | 59 | 55.3 | 141 | 30.5 | 3.0 | 1.4 | 12 | 7 | 180 | 32 | 0.64 | 0.7 | 1.1 | A | 265 | 1 | 0.6 | 175 | 16 | 1.2 | 358 | 74 | 2.2 | |
| 18 | 19 | 21 | 5.1 | 60 | 1.3 | 141 | 34.0 | 8.7 | 2.0 | 16 | 10 | 156 | 26 | 0.54 | 0.5 | 0.6 | A | 3 | 3 | 0.9 | 93 | 10 | 0.4 | 256 | 80 | 1.2 | |
| 19 | 3 | 37 | 45.5 | 59 | 57.2 | 148 | 53.2 | 32.2 | 3.2 | 25 | 4 | 141 | 0 | 0.61 | 1.1 | 0.9 | A | 92 | 18 | 1.1 | 193 | 32 | 2.2 | 337 | 52 | 1.6 | |
| 19 | 7 | 12 | 27.4 | 59 | 59.4 | 139 | 17.6 | 18.7 | 1.2 | 6 | 5 | 212 | 20 | 0.65 | 1.9 | 1.2 | B | 130 | 11 | 0.9 | 225 | 27 | 4.0 | 20 | 61 | 1.5 | |
| 19 | 9 | 53 | 13.5 | 60 | 21.4 | 141 | 13.5 | 2.8 | 1.8 | 15 | 8 | 121 | 25 | 0.77 | 0.5 | 0.8 | A | 111 | 5 | 0.5 | 20 | 17 | 0.9 | 217 | 72 | 1.6 | |
| 19 | 10 | 40 | 48.0 | 59 | 58.5 | 143 | 8.6 | 15.8 | 1.1A | 4 | 3 | 243 | 31 | 0.12 | 4.8 | 5.8 | D | 262 | 5 | 0.9 | 168 | 39 | 51 | 358 | 51 | 13.8 | |
| 19 | 13 | 24 | 49.1 | 60 | 10.8 | 141 | 6.8 | 7.0 | 1.2 | 9 | 6 | 135 | 5 | 0.34 | 1.0 | 0.5 | A | 193 | 11 | 1.9 | 288 | 25 | 0.6 | 81 | 62 | 0.9 | |
| 19 | 16 | 42 | 11.5 | 61 | 15.5 | 149 | 15.9 | 35.7 | 1.1A | 6 | 4 | 163 | 16 | 0.09 | 0.7 | 1.2 | A | 87 | 3 | 1.0 | 178 | 18 | 1.2 | 348 | 72 | 2.3 | |
| 19 | 17 | 7 | 21.4 | 61 | 0.7 | 150 | 12.6 | 22.1 | 1.4A | 8 | 4 | 83 | 44 | 0.59 | 1.9 | 6.0 | D | 354 | 7 | 1.1 | 262 | 15 | 0.9 | 108 | 73 | 11.7 | |
| 19 | 23 | 25 | 26.2 | 59 | 58.7 | 140 | 44.8 | 7.2 | 0.9A | 6 | 2 | 190 | 25 | 0.53 | 2.2 | 3.6 | C | 117 | 10 | 0.8 | 213 | 27 | 1.8 | 9 | 61 | 7.7 | |
| 20 | 4 | 9 | 0.4 | 61 | 16.3 | 149 | 28.4 | 44.7 | 1.3 | 9 | 4 | 123 | 6 | 0.68 | 0.7 | 0.9 | A | 356 | 7 | 1.4 | 88 | 12 | 1.0 | 236 | 76 | 1.7 | |
| 20 | 7 | 33 | 4.6 | 59 | 37.5 | 138 | 51.6 | 1.3 | 7 | 2 | 232 | 19 | 0.43 | 3.2 | 2.9 | C | 335 | 21 | 0.7 | 85 | 41 | 3.5 | 225 | 41 | 7.6 | | |
| 20 | 9 | 23 | 17.1 | 59 | 59.3 | 141 | 23.9 | 15.3 | 0.7A | 7 | 4 | 200 | 27 | 0.52 | 0.8 | 1.3 | A | 93 | 2 | 0.7 | 183 | 2 | 1.5 | 318 | 87 | 2.4 | |
| 20 | 9 | 45 | 54.0 | 59 | 56.1 | 152 | 48.9 | 89.3 | 2.5 | 11 | 101 | 28 | 0.73 | 0.9 | 1.5 | A | 139 | 3 | 1.2 | 81 | 7 | 1.0 | 254 | 57 | 2.3 | | |
| 20 | 11 | 22 | 10.5 | 58 | 47.0 | 136 | 44.1 | 0.1 | 2 | 6 | 4 | 193 | 130 | 1.01 | 17.4 | 3.5 | D | 298 | 2 | 2.0 | 207 | 8 | 33.0 | 42 | 82 | 4.7 | |
| 20 | 15 | 34 | 39.3 | 60 | 35.7 | 140 | 43.9 | 4.7 | 1.1A | 4 | 3 | 200 | 61 | 0.21 | 1.0 | 2.7 | C | 313 | 6 | 0.7 | 44 | 11 | 1.7 | 195 | 77 | 5.2 | |
| 20 | 16 | 5 | 32.3 | 60 | 20.1 | 141 | 18.2 | 13.2 | 0.7 | 8 | 5 | 133 | 25 | 0.47 | 0.7 | 1.0 | A | 311 | 6 | 0.5 | 45 | 32 | 0.8 | 212 | 57 | 2.2 | |
| 20 | 17 | 9 | 6.8 | 60 | 17.2 | 141 | 40.1 | 7.6 | 1.4 | 15 | 11 | 97 | 9 | 0.89 | 0.5 | 0.5 | A | 223 | 14 | 0.8 | 125 | 27 | 0.6 | 337 | 59 | 1.0 | |
| 20 | 17 | 35 | 5.2 | 60 | 17.0 | 140 | 36.4 | 14.7 | 0.6A | 4 | 3 | 245 | 28 | 0.31 | 2.4 | 1.7 | B | 95 | 10 | 0.8 | 191 | 32 | 5.2 | 350 | 56 | 2.1 | |
| 21 | 1 | 2 | 30.0 | 61 | 6.8 | 152 | 11.3 | 12.2 | 1.4 | 7 | 3 | 167 | 10 | 0.85 | 1.1 | 0.7 | A | 106 | 1 | 2.0 | 196 | 32 | 0.5 | 14 | 58 | 1.4 | |
| 21 | 7 | 15 | 36.4 | 61 | 6.3 | 151 | 12.2 | 63.5 | 2.2 | 15 | 12 | 52 | 47 | 0.55 | 0.5 | 1.0 | A | 193 | 6 | 0.9 | 102 | 9 | 0.7 | 316 | 79 | 2.0 | |
| 21 | 10 | 36 | 45.8 | 59 | 57.1 | 141 | 45.6 | 12.7 | 1.7 | 16 | 13 | 162 | 18 | 1.08 | 0.5 | 0.5 | A | 98 | 6 | 0.5 | 192 | 35 | 0.8 | 0 | 54 | 1.1 | |
| 21 | 12 | 7 | 39.4 | 60 | 4.7 | 141 | 9.1 | 2.2 | 0.6A | 4 | 2 | 196 | 11 | 0.11 | 1.7 | 3.0 | C | 269 | 5 | 1.0 | 177 | 28 | 1.3 | 82 | 62 | 6.3 | |
| 21 | 13 | 7 | 30.3 | 60 | 32.9 | 143 | 10.5 | 2.6 | 0.6 | 5 | 4 | 127 | 21 | 0.99 | 0.6 | 9.7 | D | 261 | 0 | 0.6 | 348 | 2 | 1.0 | 171 | 86 | 18.2 | |
| 21 | 14 | 40 | 26.9 | 60 | 1.0 | 152 | 48.4 | 108.8 | 2.6 | 15 | 6 | 106 | 18 | 1.02 | 0.8 | 1.0 | A | 31 | 5 | 1.1 | 123 | 21 | 1.4 | 288 | 68 | 2.0 | |
| 21 | 16 | 14 | 40.8 | 59 | 59.0 | 141 | 33.2 | 2.5 | 1.3A | 9 | 6 | 173 | 27 | 0.59 | 1.1 | 1.1 | A | 95 | 13 | 0.5 | 195 | 36 | 1.0 | 348 | 51 | 2.4 | |
| 21 | 16 | 25 | 28.0 | 61 | 0.8 | 147 | 17.7 | 30.1 | 5.3 | 0.1A | 3 | 314 | 10 | 0.09 | 1.8 | 4.2 | C | 177 | 4 | 1.9 | 268 | 16 | 2.6 | 73 | 73 | 8.2 | |
| 21 | 16 | 33 | 37.1 | 61 | 15.3 | 152 | 20.7 | 1.9 | 21 | 16 | 67 | 18 | 0.64 | 0.3 | 0.4 | A | 105 | 1 | 0.4 | 15 | 14 | 0.6 | 199 | 76 | 0.7 | | |
| 22 | 1 | 2 | 30 | 22.4 | 62 | 4.6 | 144 | 49.8 | 7.2 | 1.9 | 12 | 4 | 217 | 70 | 1.23 | 1.7 | 3.0 | C | 5 | 1 | 2.3 | 96 | 29 | 1.1 | 273 | 61 | 6.3 |
| 22 | 16 | 33 | 52.8 | 61 | 0.2 | 147 | 17.7 | 28.3 | 1.9 | 21 | 16 | 67 | 17 | 0.70 | 0.3 | 0.4 | A | 96 | 2 | 0.4 | 6 | 3 | 0.6 | 220 | 86 | 0.8 | |
| 22 | 16 | 55 | 42.1 | 61 | 33.3 | 141 | 20.5 | 0.8 | 1.4 | 6 | 4 | 254 | 66 | 0.18 | 1.6 | 25.0 | D | 306 | 0 | 1.3 | 36 | 1 | 2.5 | 216 | 89 | 99.0 | |
| 22 | 10 | 58 | 27.9 | 60 | 16.5 | 141 | 5.8 | 7.2 | 1.2 | 15 | 3 | 122 | 14 | 0.40 | 0.6 | 1.0 | A | 297 | 1 | 0.8 | 28 | 26 | 0.9 | 205 | 64 | 2.1 | |
| 22 | 11 | 15 | 22.7 | 60 | 10.4 | 140 | 57.9 | 9.9 | 1.2 | 13 | 4 | 115 | 4 | 0.45 | 0.8 | 0.8 | A | 102 | 11 | 0.7 | 1 | 44 | 1.0 | 203 | 44 | 2.0 | |
| 22 | 13 | 34 | 20.7 | 60 | 141 | 16.3 | 6.9 | 1.5 | 19 | 7 | 118 | 25 | 0.47 | 0.5 | 0.5 | A | 304 | 0 | 0.5 | 34 | 23 | 0.8 | 214 | 67 | 1.7 | | |
| 22 | 16 | 21 | 21.5 | 61 | 31.4 | 151 | 15.4 | 10.0 | 1.0 | 8 | 5 | 109 | 28 | 0.62 | 0.4 | 1.7 | B | 261 | 1 | 0.6 | 348 | 1 | 0.8 | 125 | 87 | 3.2 | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JULY 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | |
|-------------|-----|----|------|-----|-------|----------|-------|------|-----|-----|-----|------|------|-------|--------|-----|-----|------|-----|-----|------|--------|---------|---------|
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | |
| JUL 22 | 18 | 2 | 31.2 | 60 | 45.4 | 143 58.0 | 8.5 | 1.1A | 7 | 3 | 76 | 50 | 0.30 | 0.9 | 10.4 | D | 7 | 0 | 0.8 | 97 | 1 | 1.7 | 277 | 89 19.5 |
| 22 | 19 | 17 | 14.9 | 60 | 1.3 | 140 46.2 | 9.0 | 1.1 | 9 | 4 | 164 | 20 | 0.30 | 1.1 | 1.2 A | 101 | 8 | 0.6 | 198 | 42 | 1.3 | 2 | 47 2.7 | |
| 22 | 22 | 56 | 54.3 | 60 | 20.4 | 141 12.8 | 3.7 | 0.8 | 8 | 3 | 155 | 23 | 0.61 | 1.1 | 1.9 B | 116 | 2 | 0.6 | 25 | 1.3 | 210 | 65 | 65 3.8 | |
| 23 | 8 | 0 | 23.8 | 61 | 4.8 | 152 19.6 | 14.9 | 0.6 | 5 | 189 | 19 | 0.23 | 2.3 | 0.9 B | 109 | 6 | 4.3 | 202 | 26 | 0.8 | 7 | 63 1.8 | | |
| 23 | 8 | 3 | 47.0 | 61 | 4.1 | 152 21.1 | 10.4 | 0.3 | 5 | 4 | 191 | 20 | 0.24 | 2.5 | 3.9 C | 201 | 5 | 0.9 | 294 | 26 | 3.4 | 101 | 63 8.0 | |
| 23 | 12 | 16 | 17.3 | 61 | 26.3 | 150 24.3 | 15.4 | 0.8 | 11 | 8 | 102 | 19 | 0.48 | 0.7 | 1.1 A | 284 | 1 | 0.7 | 194 | 13 | 1.3 | 18 | 77 2.1 | |
| 23 | 13 | 59 | 37.5 | 61 | 27.7 | 150 20.8 | 3.9 | 1.0A | 6 | 5 | 166 | 21 | 0.35 | 1.4 | 1.6 B | 114 | 8 | 0.8 | 210 | 33 | 2.2 | 12 | 56 3.4 | |
| 23 | 14 | 22 | 40.0 | 60 | 8.8 | 141 9.2 | 8.1 | 1.2 | 12 | 6 | 89 | 7 | 0.37 | 0.8 | 0.7 A | 277 | 5 | 0.6 | 185 | 23 | 1.5 | 19 | 66 1.2 | |
| 23 | 16 | 13 | 41.8 | 60 | 1.9 | 141 42.0 | 6.7 | 1.4 | 15 | 10 | 162 | 18 | 0.65 | 0.7 | 0.7 A | 267 | 6 | 0.6 | 172 | 43 | 1.2 | 3 | 46 1.3 | |
| 23 | 17 | 0 | 33.9 | 59 | 27.2 | 152 30.6 | 67.3 | 2.9 | 11 | 7 | 112 | 0 | 0.14 | 1.1 | 2.1 B | 195 | 2 | 2.0 | 285 | 5 | 1.2 | 83 | 85 3.9 | |
| 23 | 17 | 17 | 29.3 | 60 | 17.0 | 140 46.5 | 10.9 | 1.0 | 6 | 141 | 20 | 0.32 | 1.0 | 1.8 B | 101 | 3 | 0.7 | 10 | 24 | 1.3 | 198 | 66 3.7 | | |
| 23 | 22 | 40 | 19.4 | 61 | 4.6 | 145 53.9 | 2.2 | 0.8A | 7 | 6 | 164 | 24 | 0.33 | 1.0 | 16.5 D | 261 | 0 | 0.8 | 146 | 1 | 1.6 | 351 | 65 28.1 | |
| 23 | 23 | 24 | 48.5 | 61 | 12.9 | 149 11.7 | 33.4 | 1.0A | 6 | 4 | 115 | 20 | 0.11 | 1.2 | 1.7 B | 261 | 4 | 1.1 | 146 | 25 | 1.5 | 358 | 55 3.2 | |
| 24 | 1 | 35 | 57.9 | 60 | 13.3 | 143 10.9 | 24.4 | 1.3 | 8 | 7 | 188 | 20 | 1.19 | 2.1 | 1.3 B | 81 | 20 | 1.0 | 177 | 32 | 4.5 | 322 | 52 1.0 | |
| 24 | 4 | 49 | 18.9 | 59 | 51.3 | 141 30.0 | 6.3 | 0.9 | 9 | 4 | 205 | 31 | 0.39 | 1.1 | 2.0 B | 136 | 6 | 1.4 | 227 | 13 | 1.9 | 22 | 76 3.8 | |
| 24 | 5 | 18 | 50.5 | 60 | 14.1 | 151 58.7 | 80.8 | 3.0 | 19 | 6 | 84 | 0 | 0.38 | 0.9 | 1.6 B | 352 | 4 | 1.1 | 83 | 18 | 1.4 | 250 | 72 3.2 | |
| 24 | 10 | 5 | 40.1 | 59 | 46.1 | 152 46.1 | 91.6 | 2.7 | 16 | 7 | 60 | 46 | 0.44 | 0.9 | 1.7 B | 128 | 4 | 1.7 | 38 | 9 | 1.5 | 242 | 80 3.2 | |
| 24 | 12 | 25 | 12.3 | 60 | 28.1 | 141 24.2 | 7.6 | 0.7A | 3 | 3 | 161 | 23 | 0.51 | 2.2 | 3.8 C | 124 | 4 | 1.1 | 31 | 29 | 1.2 | 221 | 61 8.1 | |
| 24 | 15 | 50 | 11.1 | 57 | 14.1 | 152 58.9 | 38.5 | 2.9 | 11 | 1 | 311 | 0 | 0.35 | 17.6 | 6.2 D | 171 | 17 | 33.7 | 81 | 20 | 13.7 | 301 | 64 7.0 | |
| 24 | 18 | 47 | 50.0 | 61 | 27.8 | 151 19.1 | 5.7 | 1.0 | 5 | 104 | 31 | 0.60 | 2.0 | 4.2 C | 81 | 3 | 0.8 | 333 | 23 | 1.0 | 177 | 61 8.4 | | |
| 25 | 2 | 36 | 49.5 | 60 | 6.6 | 140 59.7 | 7.6 | 1.2 | 6 | 4 | 159 | 5 | 0.31 | 2.5 | 0.7 B | 28 | 9 | 4.8 | 126 | 41 | 1.0 | 288 | 48 1.3 | |
| 25 | 4 | 39 | 15.3 | 60 | 17.1 | 141 12.4 | 12.8 | 1.0 | 5 | 2 | 147 | 17 | 0.16 | 5.2 | 4.1 C | 114 | 4 | 0.9 | 207 | 38 | 12.2 | 19 | 52 2.2 | |
| 25 | 4 | 59 | 52.2 | 62 | 39.8 | 149 41.7 | 63.8 | 3.9 | 22 | 2 | 103 | 113 | 0.37 | 2.1 | 6.9 D | 85 | 4 | 1.8 | 353 | 16 | 1.1 | 189 | 73 13.6 | |
| 25 | 9 | 39 | 33.5 | 60 | 13.1 | 153 8.7 | 136.6 | 3.0 | 16 | 9 | 76 | 19 | 0.29 | 1.1 | 1.5 B | 295 | 4 | 2.0 | 26 | 11 | 1.5 | 185 | 78 2.8 | |
| 25 | 11 | 48 | 7.6 | 61 | 39.6 | 150 51.6 | 62.4 | 1.4 | 11 | 5 | 126 | 23 | 0.33 | 0.8 | 1.4 B | 88 | 7 | 1.1 | 181 | 16 | 1.4 | 335 | 72 2.7 | |
| 25 | 13 | 58 | 43.0 | 61 | 1.2 | 147 14.1 | 21.4 | 2.1 | 23 | 4 | 44 | 17 | 0.40 | 0.5 | 1.1 A | 15 | 15 | 0.9 | 285 | 12 | 0.6 | 105 | 78 2.0 | |
| 25 | 16 | 22 | 17.3 | 59 | 47.6 | 152 30.3 | 69.4 | 2.5 | 16 | 7 | 56 | 47 | 0.34 | 0.8 | 1.7 B | 290 | 2 | 1.3 | 23 | 1.5 | 184 | 83 3.2 | | |
| 25 | 19 | 40 | 56.2 | 59 | 59.3 | 148 54.0 | 17.3 | 2.4 | 27 | 6 | 155 | 33 | 0.72 | 0.6 | 1.2 A | 340 | 3 | 1.2 | 261 | 1 | 0.8 | 81 | 71 2.3 | |
| 25 | 20 | 21 | 38.3 | 60 | 23.9 | 140 59.3 | 0.9 | 1.0 | 9 | 2 | 168 | 27 | 0.26 | 1.4 | 2.7 C | 301 | 1 | 0.8 | 31 | 23 | 1.7 | 209 | 67 5.5 | |
| 26 | 14 | 1 | 6.6 | 59 | 45.3 | 153 9.9 | 104.0 | 2.7 | 13 | 7 | 76 | 49 | 0.40 | 1.2 | 2.0 B | 85 | 6 | 1.5 | 352 | 23 | 1.6 | 189 | 66 4.1 | |
| 26 | 16 | 24 | 46.9 | 61 | 30.3 | 146 38.4 | 29.2 | 2.9 | 32 | 8 | 69 | 38 | 0.64 | 0.4 | 0.5 A | 113 | 4 | 0.5 | 23 | 12 | 0.8 | 221 | 77 1.0 | |
| 26 | 16 | 48 | 49.8 | 59 | 48.4 | 152 56.0 | 89.2 | 3.1 | 14 | 2 | 95 | 42 | 0.20 | 1.5 | 3.0 C | 102 | 8 | 2.0 | 1 | 11 | 1.3 | 223 | 75 5.9 | |
| 26 | 17 | 44 | 21.3 | 63 | 13.0 | 149 16.9 | 42.4 | 2.5 | 9 | 2 | 160 | 180 | 0.50 | 4.3 | 25.0 D | 20 | 0 | 3.0 | 110 | 3 | 7.1 | 290 | 87 74.8 | |
| 27 | 0 | 31 | 15.9 | 60 | 8.0 | 141 2.3 | 8.7 | 1.9 | 15 | 7 | 139 | 2 | 0.62 | 1.0 | 0.4 A | 16 | 13 | 1.8 | 111 | 22 | 0.5 | 258 | 64 0.7 | |
| 27 | 0 | 31 | 55.3 | 60 | 9.0 | 140 59.1 | 2.7 | 2.0 | 8 | 4 | 138 | 60 | 0.76 | 0.9 | 1.7 B | 297 | 8 | 0.9 | 29 | 15 | 1.4 | 180 | 73 3.3 | |
| 27 | 5 | 10 | 52.4 | 60 | 13.4 | 141 2.5 | 10.3 | 0.6 | 10 | 3 | 145 | 8 | 0.39 | 1.0 | 0.7 A | 193 | 32 | 2.2 | 307 | 33 | 0.7 | 71 | 41 0.9 | |
| 27 | 5 | 53 | 11.2 | 60 | 7.3 | 152 47.3 | 90.2 | 2.8 | 16 | 7 | 109 | 7 | 0.37 | 0.9 | 1.2 A | 148 | 6 | 1.4 | 81 | 14 | 1.0 | 263 | 63 2.1 | |
| 27 | 7 | 39 | 53.3 | 60 | 6.1 | 152 54.7 | 91.8 | 3.4 | 15 | 7 | 112 | 11 | 0.38 | 0.9 | 1.2 A | 326 | 8 | 1.3 | 81 | 19 | 1.3 | 218 | 58 2.2 | |
| 27 | 13 | 5 | 41.0 | 61 | 21.8 | 140 2.7 | 0.0 | 2.0 | 12 | 5 | 249 | 82 | 0.65 | 1.3 | 3.1 C | 294 | 5 | 1.4 | 25 | 10 | 2.3 | 178 | 79 5.8 | |
| 27 | 14 | 32 | 28.2 | 59 | 55.1 | 140 13.3 | 8.1 | 1.7 | 9 | 4 | 160 | 20 | 0.72 | 1.2 | 1.7 B | 291 | 3 | 0.6 | 199 | 31 | 1.4 | 26 | 59 3.6 | |
| 27 | 14 | 49 | 44.3 | 61 | 46.7 | 150 28.6 | 10.9 | 1.3 | 9 | 7 | 155 | 35 | 0.44 | 0.7 | 1.1 A | 359 | 5 | 1.2 | 267 | 15 | 0.7 | 107 | 74 2.2 | |
| 28 | 8 | 25 | 56.8 | 61 | 7.2 | 152 14.9 | 8.4 | 0.4A | 3 | 3 | 321 | 13 | 0.03 | 2.8 | 4.2 C | 177 | 4 | 2.6 | 269 | 30 | 3.3 | 80 | 60 8.9 | |
| 28 | 20 | 2 | 8.1 | 61 | 23.1 | 140 2.4 | 15.2 | 1.7 | 5 | 3 | 271 | 84 | 0.45 | 2.8 | 2.5 C | 98 | 31 | 1.7 | 211 | 33 | 4.5 | 336 | 41 5.9 | |
| 28 | 10 | 33 | 24.8 | 60 | 30.3 | 143 18.5 | 23.0 | 1.0A | 5 | 147 | 26 | 0.62 | 1.7 | 3.3 C | 261 | 6 | 0.9 | 351 | 22 | 2.0 | 156 | 67 6.6 | | |
| 28 | 4 | 10 | 41.1 | 60 | 43.6 | 147 2.6 | 29.0 | 2.5 | 33 | 16 | 55 | 18 | 0.59 | 0.4 | 0.5 A | 281 | 6 | 0.6 | 12 | 12 | 0.8 | 165 | 70 0.9 | |
| 28 | 6 | 32 | 2.9 | 60 | 11.2 | 140 56.4 | 5.7 | 1.3 | 10 | 8 | 143 | 6 | 0.67 | 1.1 | 0.7 A | 98 | 18 | 0.6 | 195 | 21 | 2.3 | 331 | 62 1.1 | |
| 28 | 8 | 25 | 56.8 | 61 | 28.8 | 149 41.3 | 31.7 | 2.0 | 25 | 14 | 90 | 22 | 0.65 | 0.7 | 0.9 A | 267 | 13 | 0.7 | 173 | 17 | 1.2 | 33 | 68 1.7 | |
| 28 | 10 | 0 | 38.0 | 61 | 31.4 | 150 25.9 | 13.2 | 0.8A | 6 | 5 | 144 | 18 | 0.35 | 0.9 | 0.8 A | 105 | 3 | 0.9 | 197 | 34 | 1.1 | 56 | 1.4 | |
| 28 | 10 | 20 | 41.6 | 60 | 16.4 | 140 45.3 | 11.2 | 1.0 | 7 | 6 | 164 | 20 | 0.26 | 1.8 | 1.8 B | 106 | 3 | 0.8 | 198 | 44 | 4.4 | 46 | 1.7 | |
| 28 | 13 | 32 | 56.5 | 60 | 36.8 | 140 1.9 | 2.4 | 1.1A | 5 | 5 | 211 | 55 | 0.49 | 1.9 | 2.4 B | 329 | 6 | 1.0 | 261 | 15 | 3.2 | 82 | 63 4.2 | |
| 28 | 14 | 33 | 52.4 | 61 | 28.8 | 149 41.3 | 31.7 | 2.0 | 25 | 14 | 90 | 22 | 0.65 | 0.7 | 0.9 A | 267 | 13 | 0.7 | 173 | 17 | 1.2 | 33 | 68 1.7 | |
| 28 | 19 | 32 | 18.4 | 61 | 11.6 | 151 14.6 | 5.4 | 1.8 | 17 | 6 | 63 | 40 | 0.53 | 0.7 | 1.0 A | 183 | 4 | 1.4 | 91 | 15 | 0.8 | 287 | 74 1.9 | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - JULY 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SEJ | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 |
|-------------------|-----|------|------|------|-------|------|-----|-----|-----|-----|------|------|------|-----|-----|------|-----|-----|------|------|-----|------|------|
| | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN |
| JUL 28 22 48 41.9 | 60 | 1.3 | 141 | 36.1 | 0.1 | 0.9 | 5 | 4 | 210 | 24 | 0.27 | 1.1 | 1.9 | B | 261 | 3 | 1.2 | 341 | 5 | 2.1 | 138 | 78 | 3.4 |
| 29 4 32 40.2 | 59 | 59.8 | 140 | 45.8 | 5.0 | 1.6 | 13 | 10 | 155 | 23 | 0.46 | 1.1 | 1.2 | A | 288 | 1 | 0.6 | 197 | 43 | 1.3 | 19 | 47 | 2.8 |
| 29 9 18 34.4 | 60 | 24.7 | 152 | 51.8 | 118.8 | 2.7 | 14 | 9 | 154 | 26 | 0.26 | 1.5 | 1.6 | B | 34 | 4 | 1.6 | 303 | 7 | 2.7 | 153 | 82 | 3.0 |
| 29 10 34 38.5 | 60 | 17.3 | 144 | 36.2 | 1.4 | 0.9 | 7 | 3 | 231 | 12 | 0.68 | 1.8 | 2.6 | B | 112 | 10 | 1.0 | 205 | 18 | 3.0 | 354 | 69 | 5.1 |
| 29 10 37 14.1 | 61 | 15.0 | 146 | 51.8 | 26.5 | 2.8 | 29 | 18 | 46 | 27 | 0.60 | 0.4 | 0.8 | A | 293 | 1 | 0.5 | 23 | 7 | 0.7 | 195 | 83 | 1.4 |
| 29 11 53 37.3 | 60 | 11.8 | 141 | 6.2 | 8.0 | 1.2 | 11 | 7 | 138 | 6 | 0.56 | 1.1 | 0.6 | A | 288 | 3 | 0.6 | 197 | 13 | 2.1 | 31 | 77 | 1.1 |
| 29 13 45 5.7 | 62 | 9.8 | 150 | 55.4 | 67.1 | 2.4 | 17 | 5 | 95 | 38 | 0.32 | 1.1 | 1.6 | B | 349 | 2 | 2.1 | 81 | 29 | 1.4 | 255 | 61 | 3.4 |
| 29 16 36 49.3 | 60 | 38.5 | 152 | 10.1 | 103.8 | 3.0 | 19 | 10 | 74 | 15 | 0.37 | 1.1 | 1.5 | B | 17 | 2 | 1.2 | 108 | 26 | 1.9 | 283 | 64 | 2.9 |
| 29 23 35 52.4 | 62 | 24.7 | 149 | 22.5 | 37.7 | 2.2H | 16 | 10 | 212 | 89 | 0.51 | 1.9 | 2.1 | B | 345 | 27 | 2.3 | 91 | 29 | 1.5 | 220 | 49 | 4.9 |
| 29 23 59 21.1 | 60 | 26.5 | 152 | 50.2 | 126.7 | 3.0 | 16 | 7 | 84 | 28 | 0.28 | 1.4 | 2.0 | B | 32 | 4 | 1.7 | 302 | 5 | 2.6 | 161 | 84 | 3.8 |
| 30 2 31 41.6 | 59 | 49.6 | 141 | 34.1 | 3.0 | 2.3 | 18 | 5 | 187 | 35 | 0.66 | 1.1 | 1.5 | B | 102 | 4 | 0.8 | 194 | 30 | 1.7 | 5 | 60 | 3.1 |
| 30 9 7 49.4 | 59 | 49.5 | 152 | 26.6 | 67.8 | 3.4 | 16 | 3 | 88 | 45 | 0.25 | 1.3 | 2.1 | B | 81 | 7 | 1.8 | 319 | 12 | 1.1 | 192 | 55 | 3.6 |
| 30 10 20 2.7 | 59 | 32.8 | 149 | 17.3 | 38.0 | 2.2 | 18 | 4 | 200 | 63 | 0.53 | 3.1 | 3.1 | C | 81 | 12 | 1.5 | 315 | 36 | 7.2 | 182 | 40 | 2.9 |
| 30 13 38 32.0 | 60 | 53.1 | 151 | 30.0 | 69.6 | 3.1 | 23 | 6 | 43 | 45 | 0.40 | 0.9 | 1.9 | B | 39 | 3 | 0.9 | 130 | 20 | 1.1 | 301 | 70 | 3.8 |
| 30 15 15 0.9 | 60 | 22.5 | 141 | 26.4 | 13.8 | 1.9 | 18 | 11 | 109 | 17 | 0.72 | 0.4 | 0.8 | A | 98 | 1 | 0.7 | 8 | 10 | 0.6 | 194 | 80 | 1.6 |
| 30 16 32 19.3 | 57 | 54.1 | 156 | 9.6 | 124.1 | 3.5 | 10 | 1 | 272 | 219 | 0.26 | 13.1 | 25.0 | D | 329 | 5 | 4.7 | 81 | 6 | 21.9 | 209 | 67 | 45.3 |
| 30 19 1 36.2 | 60 | 11.7 | 139 | 43.3 | 15.7 | 0.7 | 5 | 3 | 230 | 27 | 0.47 | 2.3 | 2.0 | B | 115 | 2 | 0.9 | 207 | 41 | 5.6 | 23 | 49 | 1.6 |
| 30 20 19 55.5 | 60 | 13.6 | 141 | 0.4 | 9.8 | 1.6 | 15 | 5 | 121 | 8 | 0.39 | 0.6 | 0.7 | A | 84 | 16 | 0.8 | 342 | 36 | 0.6 | 194 | 50 | 1.5 |
| 30 20 44 24.3 | 61 | 34.7 | 149 | 50.9 | 53.5 | 2.2 | 24 | 10 | 83 | 8 | 0.40 | 0.7 | 1.1 | A | 187 | 2 | 1.3 | 97 | 3 | 0.6 | 311 | 86 | 2.0 |
| 31 0 54 26.3 | 60 | 30.6 | 140 | 45.6 | 13.6 | 2.5 | 18 | 7 | 166 | 42 | 0.51 | 0.5 | 0.8 | A | 310 | 2 | 0.5 | 219 | 15 | 0.8 | 47 | 75 | 1.5 |
| 31 0 56 19.2 | 60 | 31.6 | 140 | 45.6 | 13.1 | 1.9 | 17 | 9 | 168 | 44 | 0.56 | 0.6 | 0.9 | A | 138 | 1 | 0.5 | 261 | 1 | 0.8 | 20 | 57 | 1.5 |
| 31 1 1 2.7 | 60 | 30.9 | 140 | 47.2 | 17.6 | 1.7 | 14 | 7 | 164 | 42 | 0.44 | 0.6 | 1.0 | A | 261 | 5 | 0.9 | 317 | 6 | 0.5 | 119 | 55 | 1.5 |
| 31 1 41 35.9 | 60 | 30.6 | 140 | 47.3 | 12.5 | 1.2 | 11 | 6 | 188 | 42 | 0.58 | 0.8 | 1.4 | B | 294 | 3 | 0.6 | 25 | 14 | 1.3 | 192 | 76 | 2.7 |
| 31 2 16 18.5 | 59 | 56.9 | 152 | 18.1 | 76.1 | 2.7 | 17 | 7 | 119 | 39 | 0.25 | 0.8 | 1.1 | A | 131 | 2 | 0.9 | 40 | 11 | 1.4 | 231 | 79 | 2.1 |
| 31 8 42 12.7 | 61 | 12.8 | 149 | 21.9 | 36.5 | 1.5 | 18 | 9 | 116 | 11 | 0.53 | 0.5 | 0.6 | A | 307 | 3 | 0.6 | 217 | 7 | 0.9 | 60 | 82 | 1.2 |
| 31 14 2 28.3 | 60 | 31.4 | 140 | 46.2 | 12.4 | 0.9A | 12 | 7 | 190 | 44 | 0.53 | 0.8 | 1.4 | B | 306 | 6 | 0.7 | 37 | 13 | 1.4 | 192 | 76 | 2.7 |
| 31 14 3 36.5 | 61 | 37.9 | 141 | 20.5 | 5.2 | 1.3 | 8 | 5 | 253 | 74 | 0.38 | 1.8 | 8.8 | D | 311 | 2 | 1.6 | 41 | 4 | 3.1 | 194 | 86 | 16.6 |
| 31 15 6 13.4 | 60 | 57.4 | 147 | 8.5 | 25.2 | 2.2 | 31 | 17 | 44 | 8 | 0.69 | 0.4 | 0.5 | A | 291 | 4 | 0.3 | 21 | 7 | 0.7 | 171 | 82 | 0.9 |
| 31 15 15 54 16.1 | 60 | 10.7 | 141 | 42.6 | 13.6 | 0.9 | 9 | 4 | 113 | 20 | 0.28 | 1.0 | 1.3 | A | 197 | 5 | 1.1 | 104 | 26 | 1.7 | 297 | 63 | 2.7 |
| 31 18 37 23.6 | 60 | 14.8 | 140 | 59.0 | 9.6 | 0.8 | 9 | 5 | 125 | 11 | 0.19 | 1.7 | 1.7 | B | 308 | 14 | 0.7 | 52 | 43 | 0.8 | 204 | 44 | 4.4 |
| 31 23 13 50.1 | 59 | 57.1 | 141 | 20.6 | 0.1 | 0.8A | 7 | 3 | 179 | 28 | 0.29 | 1.5 | 3.8 | C | 261 | 5 | 1.3 | 353 | 13 | 2.3 | 151 | 76 | 7.4 |
| 31 23 31 28.9 | 60 | 15.3 | 141 | 17.3 | 11.4 | 1.8 | 15 | 7 | 111 | 18 | 0.35 | 0.4 | 0.7 | A | 300 | 5 | 0.5 | 31 | 16 | 0.7 | 193 | 73 | 1.3 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - AUGUST 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEZ | Q | AZ1 | DIP1 | SEJ | AZ2 | | | DIP2 | | | SE2 | | | AZ3 | | | DIP3 | | | SE3 | | |
|-------------|-----|----|------|------|-------|------|------|------|------|------|-----|-----|-----|------|------|------|------|-----|-----|------|------|-----|-----|------|-----|-----|------|-----|------|-----|-----|-----|--|--|
| | | | | | | | | | | | | | | | | | KM | DEG | SEC | KM | DEG | SEC | KM | DEG | SEC | KM | DEG | SEC | KM | DEG | SEC | | | |
| 1984 | 1 | 3 | 8 | 22.7 | 58 | 47.8 | 154 | 1.7 | 5.8 | 2.3 | 8 | 2 | 214 | 111 | 0.41 | 2.7 | 4.2 | C | 344 | 5 | 1.7 | 81 | 23 | 4.1 | 243 | 66 | 8.3 | | | | | | | |
| AUG | 1 | 3 | 20 | 27.4 | 58 | 16.1 | 138 | 1.1 | 7.2 | 1.7 | 4 | 1 | 244 | 141 | 0.21 | 15.5 | 6.2 | D | 81 | 16 | 27.9 | 161 | 33 | 4.9 | 326 | 53 | 12.3 | | | | | | | |
| | 1 | 12 | 14 | 32.8 | 61 | 5.2 | 152 | 10.3 | 8.9 | 0.6A | 3 | 4 | 332 | 12 | 0.41 | 2.2 | 2.0 | B | 198 | 25 | 0.9 | 308 | 37 | 2.7 | 82 | 43 | 5.1 | | | | | | | |
| | 1 | 12 | 15 | 44.2 | 61 | 3.6 | 152 | 9.8 | 4.6 | 0.1 | 3 | 4 | 338 | 15 | 0.40 | 3.2 | 7.1 | D | 196 | 2 | 0.6 | 287 | 19 | 4.1 | 100 | 71 | 14.1 | | | | | | | |
| | 1 | 14 | 23 | 24.9 | 59 | 49.0 | 152 | 25.0 | 63.0 | 2.5 | 15 | 9 | 88 | 46 | 0.52 | 0.7 | 1.2 | A | 301 | 0 | 0.9 | 211 | 7 | 1.3 | 31 | 83 | 2.3 | | | | | | | |
| | 1 | 15 | 24 | 4.3 | 60 | 22.6 | 139 | 33.6 | 5.7 | 0.8A | 6 | 1 | 222 | 47 | 0.26 | 4.2 | 5.5 | D | 102 | 11 | 2.5 | 6 | 28 | 6.4 | 211 | 60 | 11.4 | | | | | | | |
| | 1 | 20 | 46 | 11.4 | 61 | 8.8 | 146 | 28.0 | 16.0 | 1.0 | 11 | 2 | 123 | 8 | 0.34 | 0.7 | 1.4 | B | 42 | 5 | 0.7 | 311 | 9 | 1.3 | 161 | 80 | 2.6 | | | | | | | |
| | 2 | 0 | 10 | 57.1 | 60 | 4.6 | 139 | 27.0 | 13.1 | 0.3 | 4 | 3 | 242 | 17 | 0.33 | 2.6 | 1.8 | B | 116 | 20 | 1.1 | 218 | 31 | 5.4 | 358 | 52 | 2.2 | | | | | | | |
| | 2 | 4 | 50 | 34.0 | 60 | 45.9 | 146 | 53.1 | 16.5 | 2.8 | 34 | 11 | 44 | 16 | 0.48 | 0.5 | 0.7 | A | 285 | 4 | 0.5 | 195 | 7 | 0.8 | 45 | 82 | 1.4 | | | | | | | |
| | | | | | | 3.7 | ML | ATWC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 8 | 6 | 42.0 | 61 | 13.2 | 150 | 9.1 | 13.1 | 1.6 | 23 | 16 | 7.8 | 32 | 0.64 | 0.5 | 0.7 | A | 279 | 10 | 0.6 | 186 | 15 | 0.9 | 41 | 72 | 1.4 | | | | | | | |
| | 2 | 9 | 1 | 12.8 | 61 | 48.6 | 148 | 32.8 | 6.6 | 1.9 | 25 | 11 | 156 | 11 | 0.62 | 0.6 | 0.8 | A | 261 | 17 | 0.6 | 357 | 17 | 1.1 | 129 | 65 | 1.5 | | | | | | | |
| | 2 | 12 | 44 | 53.8 | 60 | 27.6 | 143 | 11.2 | 19.6 | 1.2A | 9 | 7 | 112 | 19 | 0.41 | 1.0 | 1.6 | B | 13 | 16 | 1.3 | 277 | 20 | 1.0 | 139 | 64 | 3.3 | | | | | | | |
| | 2 | 15 | 5 | 44.7 | 60 | 16.6 | 141 | 37.0 | 7.6 | 1.0 | 8 | 2 | 103 | 12 | 0.55 | 1.1 | 1.3 | A | 35 | 8 | 2.0 | 131 | 34 | 1.1 | 294 | 55 | 2.8 | | | | | | | |
| | 2 | 17 | 58 | 51.4 | 60 | 35.2 | 141 | 32.4 | 6.6 | 1.2 | 11 | 7 | 108 | 28 | 0.85 | 0.7 | 1.3 | A | 14 | 2 | 0.8 | 284 | 4 | 1.3 | 131 | 86 | 2.4 | | | | | | | |
| | 2 | 18 | 35 | 12.8 | 60 | 0.8 | 141 | 41.8 | 11.7 | 0.9 | 5 | 5 | 227 | 20 | 0.37 | 2.7 | 1.5 | C | 34 | 20 | 5.4 | 136 | 28 | 1.0 | 274 | 54 | 2.4 | | | | | | | |
| | 2 | 22 | 59 | 45.7 | 58 | 52.8 | 136 | 49.7 | 31.2 | 2.2 | 6 | 5 | 187 | 133 | 0.67 | 19.5 | 25.0 | D | 298 | 0 | 2.1 | 28 | 2 | 36.3 | 208 | 88 | 99.0 | | | | | | | |
| | 3 | 15 | 38 | 17.4 | 59 | 15.2 | 144 | 56.6 | 17.0 | 2.1 | 19 | 12 | 262 | 81 | 0.65 | 2.1 | 1.1 | B | 201 | 3 | 3.9 | 294 | 43 | 2.5 | 108 | 47 | 1.5 | | | | | | | |
| | | | | | | 3.7 | ML | ATWC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | 18 | 49 | 30.5 | 59 | 38.1 | 146 | 16.6 | 22.9 | 2.6 | 25 | 6 | 111 | 23 | 0.61 | 1.0 | 1.0 | A | 81 | 12 | 1.2 | 323 | 27 | 1.5 | 188 | 50 | 1.9 | | | | | | | |
| | 4 | 12 | 45 | 28.0 | 61 | 39.5 | 20.1 | 7.2 | 0.8A | 5 | 5 | 152 | 24 | 0.55 | 1.4 | 1.6 | B | 264 | 22 | 0.8 | 10 | 33 | 1.6 | 147 | 48 | 3.7 | | | | | | | | |
| | 4 | 13 | 29 | 35.5 | 59 | 51.1 | 151 | 3.6 | 45.4 | 2.5 | 20 | 6 | 80 | 14 | 0.43 | 0.7 | 1.2 | A | 297 | 7 | 1.3 | 29 | 17 | 1.2 | 185 | 72 | 2.3 | | | | | | | |
| | 4 | 19 | 15 | 10.3 | 60 | 7.5 | 141 | 15.1 | 3.0 | 1.2 | 12 | 5 | 139 | 13 | 0.49 | 1.7 | 1.5 | B | 281 | 5 | 0.8 | 15 | 40 | 3.8 | 185 | 50 | 1.8 | | | | | | | |
| | 4 | 23 | 5 | 19.2 | 61 | 49.1 | 149 | 31.5 | 37.3 | 2.1 | 26 | 13 | 158 | 26 | 0.75 | 0.8 | 0.6 | A | 102 | 8 | 0.8 | 193 | 8 | 1.5 | 328 | 79 | 1.1 | | | | | | | |
| | 5 | 1 | 11 | 31.0 | 59 | 19.9 | 144 | 59.5 | 19.9 | 2.2 | 22 | 7 | 259 | 74 | 0.63 | 1.6 | 1.1 | B | 216 | 23 | 3.2 | 321 | 32 | 2.5 | 97 | 49 | 1.4 | | | | | | | |
| | 5 | 12 | 7 | 22.3 | 61 | 16.8 | 152 | 13.2 | 8.2 | 0.8 | 5 | 4 | 197 | 4 | 0.33 | 1.4 | 0.6 | B | 103 | 19 | 2.8 | 4 | 24 | 1.0 | 227 | 59 | 0.6 | | | | | | | |
| | 5 | 14 | 11 | 4.3 | 61 | 38.1 | 149 | 44.0 | 39.3 | 2.9 | 27 | 5 | 81 | 32 | 0.45 | 0.6 | 1.2 | A | 100 | 3 | 0.6 | 10 | 8 | 1.1 | 210 | 81 | 2.4 | | | | | | | |
| | | | | | | 3.0 | ML | ATWC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | 14 | 12 | 48.4 | 61 | 38.7 | 149 | 44.2 | 40.0 | 2.1 | 19 | 4 | 147 | 38 | 0.45 | 0.9 | 1.6 | B | 103 | 5 | 0.7 | 12 | 10 | 1.6 | 219 | 79 | 3.1 | | | | | | | |
| | 5 | 16 | 43 | 22.8 | 60 | 29.0 | 143 | 12.0 | 10.9 | 0.6 | 8 | 3 | 153 | 20 | 0.42 | 1.2 | 2.3 | B | 262 | 8 | 0.6 | 355 | 22 | 1.4 | 153 | 66 | 4.7 | | | | | | | |
| | 5 | 17 | 34 | 31.8 | 62 | 42.3 | 149 | 10.1 | 72.8 | 3.1 | 21 | 5 | 97 | 109 | 0.37 | 1.2 | 6.4 | D | 262 | 1 | 1.8 | 352 | 9 | 1.0 | 166 | 81 | 12.2 | | | | | | | |
| | 5 | 17 | 43 | 38.9 | 60 | 48.2 | 151 | 7.2 | 59.8 | 2.4 | 23 | 7 | 60 | 66 | 0.55 | 0.6 | 2.1 | B | 175 | 6 | 0.9 | 84 | 10 | 0.7 | 296 | 78 | 4.1 | | | | | | | |
| | 5 | 17 | 54 | 4.4 | 59 | 18.8 | 144 | 57.0 | 21.3 | 2.0 | 19 | 7 | 269 | 75 | 0.39 | 1.6 | 1.1 | B | 261 | 18 | 2.4 | 354 | 31 | 3.0 | 143 | 54 | 1.7 | | | | | | | |
| | 6 | 12 | 20 | 9.7 | 61 | 33.8 | 146 | 20.4 | 30.3 | 2.3 | 29 | 7 | 86 | 48 | 0.60 | 0.5 | 0.6 | A | 116 | 13 | 0.7 | 210 | 17 | 0.9 | 350 | 68 | 1.1 | | | | | | | |
| | 6 | 13 | 14 | 52.4 | 59 | 2.1 | 152 | 44.6 | 61.1 | 2.2 | 10 | 6 | 137 | 51 | 0.31 | 1.2 | 1.7 | B | 358 | 4 | 2.3 | 90 | 17 | 1.3 | 255 | 72 | 3.3 | | | | | | | |
| | 6 | 16 | 1 | 21.9 | 60 | 32.2 | 152 | 28.3 | 14.6 | 0.0 | 3 | 3 | 172 | 6 | 0.65 | 25.0 | 7.3 | D | 112 | 8 | 99.0 | 207 | 33 | 0.7 | 10 | 56 | 0.8 | | | | | | | |
| | 6 | 18 | 46 | 54.7 | 58 | 38.1 | 136 | 49.3 | 7.6 | 1.8 | 3 | 2 | 355 | 149 | 0.05 | 25.0 | 3.3 | D | 218 | 1 | 99.0 | 128 | 26 | 4.0 | 310 | 64 | 6.5 | | | | | | | |
| | 7 | 1 | 37 | 49.8 | 61 | 10.8 | 145 | 37.2 | 26.2 | 2.3 | 33 | 16 | 56 | 16 | 0.79 | 0.5 | 0.4 | A | 6 | 2 | 0.5 | 97 | 4 | 0.4 | 250 | 85 | 0.7 | | | | | | | |
| | 7 | 5 | 32 | 49.5 | 60 | 29.0 | 145 | 21.0 | 18.0 | 2.4 | 34 | 10 | 66 | 10 | 0.61 | 0.3 | 0.5 | A | 194 | 2 | 0.6 | 103 | 18 | 0.5 | 290 | 72 | 1.0 | | | | | | | |
| | 7 | 7 | 5 | 54 | 25.6 | 60 | 27.0 | 145 | 20.1 | 19.2 | 1.3 | 12 | 4 | 206 | 12 | 0.64 | 1.4 | 0.8 | B | 173 | 2 | 2.6 | 83 | 15 | 0.9 | 270 | 75 | 1.5 | | | | | | |
| | 7 | 6 | 4 | 39.4 | 60 | 12.6 | 141 | 0.8 | 12.0 | 1.5 | 13 | 7 | 118 | 6 | 0.35 | 0.7 | 0.5 | A | 293 | 1 | 0.6 | 202 | 30 | 1.4 | 25 | 60 | 0.7 | | | | | | | |
| | 7 | 6 | 32 | 52.6 | 58 | 51.7 | 137 | 17.3 | 14.0 | 1.5 | 3 | 3 | 353 | 112 | 0.24 | 25.0 | 4.4 | D | 217 | 4 | 82.5 | 124 | 42 | 4.4 | 311 | 48 | 7.6 | | | | | | | |
| | 7 | 8 | 35 | 23.5 | 61 | 45.9 | 149 | 32.2 | 44.0 | 3.1 | 27 | 8 | 63 | 22 | 0.50 | 0.6 | 0.8 | A | 281 | 0 | 0.6 | 11 | 10 | 1.0 | 191 | 80 | 1.5 | | | | | | | |
| | | | | | | 3.4 | ML | ATWC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | 9 | 27 | 33.9 | 60 | 14.8 | 140 | 49.7 | 13.1 | 1.1 | 10 | 6 | 135 | 15 | 0.30 | 1.2 | 1.0 | A | 105 | 3 | 0.6 | 198 | 38 | 2.9 | 11 | 52 | 0.9 | | | | | | | |
| | 7 | 11 | 1 | 4.6 | 61 | 16.3 | 152 | 11.5 | 4.0 | 0.6 | 3 | 3 | 285 | 2 | 0.02 | 1.2 | 1.0 | A | 192 | 15 | 0.9 | 198 | 19 | 2.3 | 66 | 65 | 1.2 | | | | | | | |
| | 7 | 11 | 16 | 19.2 | 60 | 6.6 | 152 | 16.1 | 77.3 | 2.6 | 19 | 12 | 66 | 32 | 0.3 | | | | | | | | | | | | | | | | | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - AUGUST 1984

| 1984 | ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | | |
|------------------|-------------|-------------|--------|---|------|------|------|-----|-----|------|-----|-------|------|------|-------|-----|------|------|-----|------|-----|-----|----|-----|
| | | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | | | |
| AUG 7 17 57 23.3 | 59 51.7 | 139 | 6.1 | 19.8 | 0.9 | 5 | 4 | 232 | 27 | 0.54 | 1.8 | 1.8 B | 322 | 0 | 0.7 | 81 | 41 | 1.6 | 232 | 41 | 4.2 | | | |
| 8 7 28 30.4 | 60 17.1 | 152 | 6.8 | 87.3 | 2.4 | 19 | 10 | 55 | 0 | 0.36 | 0.7 | 1.0 A | 23 | 0 | 0.9 | 113 | 28 | 1.1 | 293 | 62 | 2.0 | | | |
| 8 8 26 20.5 | 59 50.2 | 143 | 27.3 | 24.7 | 1.1A | 10 | 7 | 216 | 54 | 0.35 | 1.6 | 0.9 B | 265 | 2 | 1.1 | 356 | 12 | 3.0 | 166 | 78 | 1.7 | | | |
| 8 8 12 0 8.9 | 60 14.6 | 141 | 41.3 | 8.4 | 1.4 | 12 | 5 | 115 | 13 | 0.87 | 0.6 | 0.9 A | 101 | 1 | 0.8 | 191 | 23 | 1.0 | 9 | 67 | 1.8 | | | |
| 8 13 37 18.6 | 61 21.9 | 151 | 41.1 | 84.3 | 3.2 | 23 | 8 | 103 | 0 | 0.41 | 1.1 | 1.4 A | 81 | 13 | 0.9 | 151 | 34 | 1.4 | 331 | 49 | 2.7 | | | |
| 9 14 43 43.9 | 62 11.8 | 3.3 ML ATWC | | | 149 | 44.2 | 40.0 | 3.0 | 23 | 6 | 86 | 43 | 0.48 | 1.1 | 2.4 B | 272 | 1 | 1.0 | 2 | 20 | 1.5 | 179 | 70 | 4.7 |
| 10 0 13 50.1 | 60 14.5 | 141 | 43.0 | 8.2 | 1.4 | 15 | 8 | 107 | 13 | 0.65 | 0.6 | 0.8 A | 99 | 16 | 0.8 | 195 | 22 | 0.9 | 336 | 62 | 1.6 | | | |
| 10 0 2 37 5.3 | 61 12.8 | 149 | 52.3 | 40.5 | 1.3A | 7 | 4 | 140 | 17 | 0.37 | 1.2 | 1.3 A | 167 | 3 | 1.5 | 81 | 30 | 2.1 | 262 | 60 | 2.5 | | | |
| 10 0 11 59 34.8 | 60 16.1 | 141 | 24.2 | 10.1 | 1.0 | 8 | 5 | 137 | 21 | 0.28 | 1.3 | 1.2 A | 292 | 0 | 0.8 | 202 | 27 | 2.6 | 22 | 63 | 2.2 | | | |
| 10 0 13 4 54.1 | 60 27.0 | 145 | 8.3 | 17.2 | 1.0 | 13 | 7 | 183 | 10 | 0.66 | 0.9 | 0.9 A | 113 | 17 | 0.9 | 214 | 31 | 1.7 | 359 | 54 | 1.8 | | | |
| 10 0 18 48 31.5 | 60 16.9 | 141 | 23.0 | 7.8 | 1.5 | 15 | 8 | 107 | 22 | 0.66 | 0.6 | 0.8 A | 298 | 0 | 0.6 | 28 | 21 | 1.0 | 208 | 69 | 1.6 | | | |
| 10 0 21 14 55.5 | 59 45.1 | 152 | 5.7 | 50.9 | 1.9 | 14 | 6 | 102 | 43 | 0.39 | 0.9 | 2.5 B | 30 | 7 | 1.6 | 299 | 10 | 1.1 | 155 | 78 | 4.7 | | | |
| 11 1 1 57 26.9 | 59 34.9 | 152 | 25.2 | 60.2 | 2.9 | 15 | 6 | 77 | 49 | 0.46 | 0.9 | 2.3 B | 266 | 4 | 1.1 | 356 | 9 | 1.5 | 152 | 80 | 4.3 | | | |
| 11 1 2 9 56.7 | 59 45.5 | 151 | 51.0 | 46.0 | 2.2 | 14 | 9 | 88 | 35 | 0.45 | 0.7 | 1.9 B | 283 | 8 | 0.9 | 15 | 9 | 1.2 | 152 | 78 | 3.6 | | | |
| 11 1 7 17 15.0 | 59 56.6 | 153 | 21.1 | 128.0 | 3.0 | 11 | 6 | 137 | 40 | 0.20 | 1.3 | 1.6 B | 42 | 14 | 1.8 | 136 | 17 | 2.4 | 274 | 68 | 3.1 | | | |
| 11 1 7 30 9.7 | 59 0.7 | 136 | 48.0 | 5.8 | 3.1 | 8 | 3 | 174 | 128 | 0.37 | 5.8 | 2.2 D | 299 | 3 | 1.2 | 209 | 5 | 11.0 | 60 | 84 | 3.9 | | | |
| 4.1 MB | 4.2 ML ATWC | | | Felt in parts of Glacier Bay National Park and on a tour boat in Glacier Bay. | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---------------|---------|-----|------|-------|------|----|-----|-----|------|------|--------|-------|-----|-----|------|-----|------|------|-----|------|-----|
| 11 13 55 46.2 | 62 28.0 | 148 | 5.4 | 34.5 | 2.7 | 22 | 7 | 108 | 75 | 0.54 | 1.4 | 0.8 A | 343 | 11 | 2.5 | 261 | 42 | 1.8 | 85 | 46 | 1.3 |
| 11 14 38 4.0 | 61 24.6 | 149 | 59.9 | 39.0 | 1.9 | 19 | 7 | 65 | 28 | 0.36 | 0.7 | 1.1 A | 12 | 2 | 1.4 | 102 | 5 | 0.8 | 260 | 85 | 2.1 |
| 11 15 18 25.0 | 60 15.6 | 145 | 12.0 | 15.9 | 0.8 | 6 | 5 | 279 | 31 | 0.20 | 2.2 | 1.4 B | 22 | 21 | 4.4 | 123 | 25 | 1.4 | 257 | 56 | 2.5 |
| 11 15 47 32.6 | 60 53.6 | 151 | 1.4 | 8.6 | 2.2 | 23 | 8 | 55 | 64 | 0.59 | 0.7 | 1.4 A | 142 | 2 | 1.0 | 142 | 2 | 0.8 | 44 | 59 | 2.3 |
| 11 15 50 44.0 | 61 0.9 | 147 | 17.1 | 28.5 | 2.3 | 13 | 13 | 83 | 18 | 0.65 | 0.5 | 0.5 A | 103 | 5 | 1.0 | 103 | 10 | 0.9 | 201 | 57 | 1.0 |
| 11 15 51 32.8 | 59 55.6 | 152 | 40.9 | 91.9 | 2.6 | 10 | 5 | 85 | 29 | 0.22 | 1.4 | 3.4 C | 81 | 8 | 1.6 | 144 | 11 | 2.1 | 307 | 60 | 5.7 |
| 11 18 3 8.1 | 58 26.7 | 146 | 7.4 | 0.5 | 2.0A | 10 | 5 | 316 | 239 | 0.60 | 10.9 | 8.1 D | 166 | 6 | 15.8 | 261 | 34 | 24.0 | 67 | 55 | 8.3 |
| 11 19 26 17.8 | 60 15.5 | 141 | 3.7 | 9.4 | 1.7 | 15 | 10 | 122 | 12 | 0.37 | 0.7 | 0.8 A | 299 | 3 | 0.7 | 32 | 42 | 1.0 | 206 | 48 | 1.7 |
| 11 19 44 48.2 | 60 58.2 | 147 | 15.1 | 30.0 | 2.1 | 25 | 12 | 100 | 13 | 0.51 | 0.5 | 0.5 A | 97 | 4 | 0.5 | 4 | 34 | 1.0 | 193 | 56 | 0.9 |
| 11 20 33 49.7 | 60 20.9 | 140 | 31.0 | 6.7 | 1.7 | 12 | 4 | 164 | 32 | 0.77 | 1.1 | 1.4 B | 313 | 7 | 0.8 | 46 | 21 | 2.0 | 206 | 68 | 2.7 |
| 12 0 55 40.3 | 60 8.6 | 141 | 9.0 | 12.2 | 1.0 | 9 | 5 | 137 | 7 | 0.55 | 1.9 | 0.6 B | 19 | 12 | 3.7 | 284 | 23 | 0.7 | 135 | 64 | 1.0 |
| 12 6 6 56.8 | 59 57.0 | 153 | 10.6 | 103.1 | 2.7 | 18 | 4 | 72 | 33 | 0.34 | 1.1 | 2.0 B | 261 | 0 | 1.5 | 340 | 13 | 1.8 | 171 | 73 | 3.8 |
| 12 10 14 26.7 | 60 55.0 | 143 | 31.1 | 24.8 | 1.1A | 7 | 1 | 93 | 59 | 0.44 | 0.9 | 1.2 A | 310 | 8 | 1.0 | 218 | 14 | 1.6 | 69 | 74 | 2.4 |
| 12 13 35 2.3 | 60 17.4 | 142 | 32.0 | 4.1 | 1.0 | 14 | 6 | 74 | 19 | 0.56 | 0.4 | 2.9 C | 282 | 0 | 0.6 | 12 | 2 | 0.8 | 192 | 88 | 5.5 |
| 12 17 49 9.0 | 60 2.2 | 140 | 52.1 | 5.1 | 0.7 | 6 | 3 | 205 | 16 | 0.19 | 1.8 | 3.0 C | 121 | 16 | 0.6 | 219 | 25 | 1.5 | 2 | 60 | 6.4 |
| 12 19 12 53.9 | 59 53.3 | 145 | 44.5 | 30.5 | 1.9 | 25 | 8 | 127 | 61 | 0.75 | 0.5 | 0.5 A | 268 | 11 | 0.7 | 4 | 26 | 1.0 | 157 | 61 | 4.7 |
| 12 20 11 4.7 | 60 15.3 | 141 | 18.3 | 8.9 | 1.0 | 5 | 1 | 160 | 19 | 0.07 | 1.5 | 1.4 B | 302 | 13 | 1.0 | 201 | 39 | 3.2 | 47 | 48 | 2.3 |
| 12 21 18 51.6 | 62 21.5 | 148 | 47.3 | 43.3 | 2.6 | 25 | 6 | 115 | 66 | 0.37 | 1.2 | 4.2 C | 87 | 4 | 1.3 | 356 | 9 | 1.9 | 201 | 80 | 8.0 |
| 12 22 42 35.2 | 61 4.9 | 152 | 28.8 | 3.9 | 1.5 | 12 | 5 | 172 | 26 | 0.76 | 0.8 | 0.8 A | 201 | 1 | 0.6 | 291 | 23 | 1.6 | 109 | 67 | 1.5 |
| 12 22 49 35.5 | 61 20.6 | 152 | 22.9 | 0.3 | 0.4 | 4 | 4 | 325 | 15 | 0.39 | 1.0 | 2.5 B | 221 | 3 | 1.8 | 311 | 6 | 1.6 | 104 | 83 | 4.7 |
| 12 23 7 36.1 | 60 16.9 | 141 | 11.8 | 13.8 | 1.3 | 12 | 4 | 117 | 17 | 0.48 | 0.8 | 0.9 A | 305 | 18 | 0.7 | 49 | 36 | 1.1 | 194 | 48 | 2.0 |
| 13 0 3 7.6 | 60 7.6 | 141 | 18.4 | 9.3 | 2.2 | 18 | 5 | 139 | 15 | 0.46 | 0.7 | 0.7 A | 282 | 1 | 0.5 | 13 | 44 | 1.4 | 191 | 46 | 1.2 |
| 13 0 29 47.8 | 61 4.9 | 151 | 7.2 | 40.4 | 1.1 | 3 | 268 | 97 | 0.33 | 11.0 | 11.5 D | 81 | 21 | 4.3 | 316 | 26 | 10.5 | 195 | 43 | 26.5 | |
| 13 2 21 23.2 | 60 56.8 | 149 | 23.0 | 9.8 | 1.1 | 6 | 79 | 35 | 0.46 | 1.1 | 2.3 B | 323 | 14 | 0.8 | 261 | 25 | 0.5 | 85 | 51 | 4.0 | |
| 13 3 5 47.7 | 59 46.4 | 142 | 13.0 | 16.0 | 1.7A | 12 | 5 | 198 | 31 | 0.53 | 1.1 | 1.1 A | 108 | 11 | 1.1 | 9 | 39 | 2.3 | 211 | 49 | 1.8 |
| 13 4 13 13.5 | 60 52.6 | 149 | 59.7 | 46.9 | 2.2 | 28 | 11 | 37 | 42 | 0.76 | 0.4 | 1.0 A | 264 | 2 | 0.5 | 354 | 7 | 0.7 | 158 | 83 | 1.8 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - AUGUST 1984

| 1984 | HR | MN | SEC | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DJ | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | |
|------|-----|-----|-----|------|-----|------|-----|-------|-------|-----|-----|-----|-----|-----|------|------|------|-----|------|-----|-----|------|-----|-----|------|-----|------|-----|
| | DEG | MIN | SEC | DEG | MIN | DEG | MIN | DEG | KM | DEG | SEC | KM | DEG | SEC | KM | DEG | SEC | KM | DEG | SEC | KM | DEG | SEC | KM | | | | |
| AUG | 13 | 7 | 10 | 59.6 | 63 | 40.8 | 149 | 20.2 | 118.0 | 3.3 | 10 | 3 | 113 | 155 | 0.24 | 5.1 | 18.1 | D | 340 | 5 | 2.5 | 261 | 14 | 4.3 | 90 | 72 | 36.3 | |
| | 13 | 9 | 37 | 41.7 | 60 | 21.3 | 152 | 40.4 | 99.1 | 2.4 | 18 | 5 | 141 | 21 | 0.43 | 1.0 | 1.0 | A | 22 | 12 | 1.3 | 281 | 43 | 2.1 | 124 | 45 | 1.5 | |
| | 13 | 11 | 20 | 50.9 | 60 | 14.9 | 140 | 29.9 | 2.9 | 0.7 | 4 | 2 | 204 | 22 | 0.19 | 3.9 | 4.7 | C | 291 | 3 | 0.9 | 23 | 39 | 3.0 | 197 | 51 | 11.1 | |
| | 13 | 11 | 25 | 27.7 | 60 | 19.6 | 150 | 45.8 | 42.1 | 2.4 | 27 | 9 | 78 | 36 | 0.47 | 0.4 | 1.7 | B | 270 | 2 | 0.7 | 1 | 6 | 0.8 | 162 | 84 | 3.1 | |
| | 13 | 15 | 9 | 37.1 | 62 | 47.0 | 151 | 40.5 | 0.4 | 2.1 | 11 | 5 | 204 | 90 | 0.76 | 2.6 | 2.7 | C | 88 | 1 | 3.4 | 179 | 43 | 2.6 | 357 | 47 | 6.5 | |
| | 13 | 15 | 10 | 20.8 | 59 | 59.0 | 141 | 13.2 | 1.5 | 0.9 | 6 | 3 | 209 | 22 | 0.48 | 1.2 | 1.8 | B | 276 | 0 | 0.8 | 186 | 26 | 1.7 | 6 | 64 | 3.7 | |
| | 13 | 15 | 10 | 54.1 | 60 | 16.5 | 140 | 55.1 | 4.1 | 0.9 | 4 | 3 | 194 | 15 | 0.33 | 1.6 | 3.2 | C | 94 | 10 | 0.9 | 0 | 23 | 1.4 | 206 | 65 | 6.6 | |
| | 14 | 0 | 56 | 21.9 | 61 | 37.5 | 151 | 16.7 | 0.2 | 2.5 | 22 | 15 | 100 | 34 | 0.82 | 0.3 | 0.5 | A | 223 | 12 | 0.6 | 129 | 17 | 0.5 | 346 | 69 | 0.9 | |
| | 14 | 1 | 2 | 9.1 | 61 | 48.2 | 148 | 56.2 | 18.8 | 5.7 | B | 34 | 1 | 81 | 20 | 0.62 | 0.7 | 0.7 | A | 261 | 15 | 0.7 | 1 | 39 | 1.0 | 154 | 48 | 1.6 |
| | 14 | 5.7 | MB | 5.2 | MS | 5.7 | ML | ATWC | | | | | | | | | | | | | | | | | | | | |

Slight damage (VI) at Palmer, Willow and Sutton. Felt (V) at Anchorage, Skwentna, Talkeetna, and Valdez. Felt throughout much of Southern Alaska from Fairbanks to Homer.

| 14 | 1 | 6 | 50.9 | 61 | 47.5 | 148 | 56.6 | 11.4 | 1.3 | 12 | 8 | 167 | 19 | 0.61 | 0.7 | 0.9 | A | 1 | 9 | 1.3 | 267 | 26 | 0.7 | 109 | 62 | 1.9 | | |
|----|----|----|------|------|------|------|------|------|------|-------|----|-----|-----|------|------|------|-----|-----|-----|------|-----|-----|------|-----|-----|------|------|-----|
| | 14 | 1 | 8 | 46.8 | 61 | 48.9 | 148 | 58.0 | 10.1 | 2.0 | 25 | 23 | 157 | 21 | 0.87 | 0.5 | 0.7 | A | 336 | 4 | 0.9 | 261 | 19 | 0.6 | 78 | 66 | 1.4 | |
| | 14 | 1 | 14 | 11.3 | 61 | 48.4 | 149 | 1.3 | 13.3 | 1.5 | 21 | 18 | 168 | 20 | 0.88 | 0.5 | 0.6 | A | 11 | 19 | 0.8 | 270 | 28 | 0.5 | 131 | 55 | 1.2 | |
| | 14 | 1 | 15 | 25.7 | 61 | 49.0 | 148 | 56.2 | 9.5 | 1.6 | 22 | 22 | 158 | 21 | 1.03 | 0.4 | 0.4 | A | 261 | 26 | 0.4 | 6 | 32 | 0.6 | 139 | 47 | 1.0 | |
| | 14 | 1 | 16 | 31.3 | 61 | 46.5 | 149 | 0.7 | 11.3 | 1.6 | 19 | 16 | 163 | 16 | 0.73 | 0.5 | 0.5 | A | 24 | 5 | 0.9 | 291 | 28 | 0.6 | 123 | 61 | 1.1 | |
| | 14 | 1 | 17 | 57.6 | 61 | 48.3 | 148 | 59.1 | 13.4 | 1.5 | 21 | 20 | 157 | 19 | 0.93 | 0.5 | 0.6 | A | 261 | 24 | 0.4 | 2 | 24 | 0.7 | 132 | 55 | 1.3 | |
| | 14 | 1 | 24 | 53.0 | 61 | 48.3 | 148 | 59.5 | 9.9 | 1.4 | 20 | 18 | 157 | 19 | 0.72 | 0.6 | 0.7 | A | 13 | 5 | 1.0 | 280 | 33 | 0.6 | 111 | 57 | 1.6 | |
| | 14 | 1 | 28 | 48.1 | 61 | 48.6 | 149 | 0.4 | 9.4 | 1.5 | 21 | 17 | 157 | 20 | 0.83 | 0.6 | 0.7 | A | 29 | 19 | 0.8 | 285 | 35 | 0.6 | 142 | 49 | 1.5 | |
| | 14 | 1 | 42 | 46.0 | 61 | 48.5 | 148 | 57.3 | 10.3 | 1.9 | 24 | 20 | 157 | 20 | 0.94 | 0.4 | 0.6 | A | 3 | 6 | 0.7 | 270 | 21 | 0.5 | 108 | 68 | 1.2 | |
| | 14 | 1 | 46 | 1.1 | 61 | 39.7 | 151 | 10.3 | 4.1 | 0.9 | 4 | 3 | 162 | 32 | 0.47 | 1.8 | 1.9 | B | 145 | 4 | 0.6 | 261 | 39 | 1.5 | 51 | 44 | 4.4 | |
| | 14 | 1 | 53 | 6.3 | 61 | 48.9 | 149 | 0.8 | 10.0 | 1.8 | 24 | 22 | 157 | 20 | 0.83 | 0.4 | 0.6 | A | 3 | 3 | 0.7 | 272 | 18 | 0.4 | 102 | 72 | 1.2 | |
| | 14 | 1 | 54 | 37.8 | 61 | 48.2 | 149 | 0.8 | 10.0 | 4.2 | B | 28 | 8 | 90 | 19 | 0.68 | 0.5 | 0.7 | A | 17 | 7 | 0.8 | 282 | 34 | 0.6 | 117 | 55 | 1.6 |
| | 14 | 1 | 56 | 37.8 | 61 | 47.3 | 148 | 58.0 | 11.9 | 1.9 | 14 | 15 | 166 | 18 | 0.58 | 0.4 | 0.6 | A | 7 | 17 | 0.7 | 268 | 27 | 0.6 | 125 | 57 | 1.2 | |
| | 14 | 1 | 57 | 24.9 | 61 | 48.3 | 149 | 0.6 | 11.0 | 1.5 | 14 | 14 | 170 | 19 | 0.64 | 0.4 | 0.6 | A | 191 | 3 | 0.8 | 282 | 26 | 0.6 | 95 | 64 | 1.2 | |
| | 14 | 2 | 7 | 14.4 | 61 | 48.6 | 148 | 58.4 | 10.1 | 1.5 | 20 | 19 | 168 | 20 | 0.80 | 0.4 | 0.7 | A | 359 | 9 | 0.7 | 265 | 22 | 0.5 | 110 | 66 | 1.4 | |
| | 14 | 2 | 21 | 21.7 | 60 | 45.4 | 137 | 59.9 | 8.7 | 1.8 | 9 | 7 | 273 | 127 | 0.54 | 2.0 | 1.8 | B | 224 | 11 | 3.2 | 124 | 41 | 4.5 | 326 | 47 | 1.9 | |
| | 14 | 2 | 33 | 40.5 | 61 | 48.1 | 148 | 56.9 | 13.4 | 1.9 | 23 | 20 | 156 | 19 | 0.71 | 0.5 | 0.6 | A | 263 | 24 | 0.4 | 5 | 26 | 0.7 | 136 | 53 | 1.2 | |
| | 14 | 2 | 37 | 51.8 | 61 | 49.7 | 148 | 55.2 | 9.9 | 1.9 | 23 | 20 | 158 | 23 | 0.83 | 0.4 | 0.5 | A | 1 | 19 | 0.7 | 261 | 31 | 0.4 | 118 | 53 | 1.1 | |
| | 14 | 2 | 55 | 58.4 | 61 | 48.5 | 148 | 59.0 | 10.0 | 1.7 | 20 | 19 | 157 | 20 | 0.98 | 0.4 | 0.5 | A | 0 | 12 | 0.7 | 263 | 32 | 0.4 | 108 | 55 | 1.0 | |
| | 14 | 3 | 17 | 19.6 | 61 | 48.3 | 148 | 55.8 | 10.0 | 1.4 | 19 | 15 | 168 | 20 | 0.83 | 0.5 | 0.6 | A | 2 | 13 | 0.9 | 265 | 30 | 0.5 | 113 | 57 | 1.2 | |
| | 14 | 3 | 35 | 15.4 | 61 | 47.7 | 148 | 59.5 | 12.5 | 2.0 | 24 | 17 | 156 | 18 | 0.79 | 0.5 | 0.6 | A | 168 | 7 | 0.8 | 263 | 34 | 0.6 | 68 | 55 | 1.4 | |
| | 14 | 4 | 12 | 23.5 | 61 | 48.3 | 148 | 54.1 | 12.5 | 2.0 | 24 | 17 | 157 | 21 | 0.88 | 0.5 | 0.6 | A | 354 | 4 | 0.9 | 262 | 27 | 0.5 | 92 | 63 | 1.3 | |
| | 14 | 4 | 26 | 15.3 | 61 | 49.6 | 150 | 14.3 | 49.4 | 2.3 | 26 | 15 | 155 | 27 | 0.40 | 0.8 | 1.1 | A | 271 | 0 | 0.8 | 181 | 5 | 1.5 | 1 | 85 | 2.0 | |
| | 14 | 5 | 15 | 59.3 | 61 | 47.0 | 148 | 59.2 | 10.9 | 1.6 | 18 | 14 | 165 | 17 | 0.70 | 0.5 | 0.7 | A | 16 | 16 | 0.8 | 276 | 31 | 0.6 | 129 | 54 | 1.5 | |
| | 14 | 5 | 21 | 29.2 | 61 | 48.8 | 148 | 56.5 | 13.1 | 1.5 | 20 | 16 | 157 | 21 | 0.79 | 0.6 | 0.6 | A | 261 | 25 | 0.6 | 4 | 35 | 0.9 | 142 | 46 | 1.4 | |
| | 14 | 6 | 13 | 2.5 | 61 | 48.0 | 148 | 58.3 | 10.6 | 1.8 | 23 | 22 | 156 | 19 | 0.80 | 0.4 | 0.6 | A | 357 | 13 | 0.7 | 261 | 22 | 0.5 | 115 | 64 | 1.2 | |
| | 14 | 7 | 33 | 53.7 | 61 | 47.8 | 149 | 0.3 | 14.1 | 1.9 | 25 | 22 | 156 | 19 | 0.76 | 0.4 | 0.5 | A | 13 | 17 | 0.7 | 273 | 31 | 0.4 | 128 | 54 | 1.0 | |
| | 14 | 7 | 41 | 8.8 | 61 | 47.0 | 148 | 58.9 | 9.9 | 3.0 | 33 | 22 | 66 | 17 | 0.88 | 0.3 | 0.5 | A | 14 | 6 | 0.6 | 280 | 30 | 0.4 | 114 | 59 | 1.0 | |
| | 14 | 7 | 59 | 52.9 | 61 | 48.1 | 149 | 6.1 | 6.6 | 1.6 | 20 | 17 | 156 | 19 | 0.71 | 0.5 | 0.6 | A | 25 | 13 | 0.9 | 288 | 26 | 0.6 | 139 | 60 | 1.3 | |
| | 14 | 8 | 37 | 8.6 | 58 | 27.6 | 136 | 45.8 | 15.0 | 1.9A | 3 | 1 | 356 | 164 | 0.11 | 25.0 | D | 44 | 1 | 99.0 | 313 | 34 | 17.3 | 135 | 56 | 99.0 | | |
| | 14 | 9 | 24 | 27.8 | 61 | 48.5 | 149 | 3.8 | 10.0 | 1.6 | 20 | 16 | 157 | 20 | 0.71 | 0.5 | 0.6 | A | 5 | 2 | 0.9 | 274 | 38 | 0.6 | 98 | 52 | 1.3 | |
| | 14 | 10 | 6 | 49.6 | 61 | 49.8 | 148 | 54.8 | 11.3 | 1.6 | 22 | 18 | 159 | 23 | 0.62 | 0.6 | 0.8 | A | 261 | 16 | 0.5 | 349 | 28 | 0.8 | 142 | 58 | 1.8 | |
| | 14 | 15 | 56 | 0.3 | 61 | 48.4 | 148 | 57.0 | 13.4 | 1.7 | 22 | 14 | 157 | 20 | 0.69 | 0.7 | 0.8 | A | 8 | 23 | 1.0 | 266 | 27 | 0.6 | 133 | 53 | 1.8 | |
| | 14 | 16 | 37 | 52.0 | 60 | 20.7 | 141 | 16.3 | 9.0 | 1.0 | 7 | 5 | 125 | 25 | 0.32 | 1.2 | 1.9 | B | 329 | 11 | 0.6 | 81 | 23 | 1.0 | 219 | 57 | 3.8 | |
| | 14 | 17 | 27 | 26.8 | 61 | 10.2 | 151 | 57.6 | 0.0 | -0.2A | 3 | 2 | 293 | 5 | 0.21 | 1.6 | 2.0 | D | 261 | 0 | 1.0 | 317 | 0 | 2.4 | 0 | 90 | 99.0 | |
| | 14 | 19 | 1 | 55.4 | 60 | 31.0 | 141 | 43.7 | 14.5 | 1.1 | 9 | 6 | 120 | 18 | 0.33 | 0.4 | 0.8 | A | 291 | 5 | 0.8 | 22 | 12 | 0.6 | 179 | 77 | 1.5 | |
| | 14 | 20 | 33 | 28.4 | 59 | 59.2 | 141 | 12.4 | 5.5 | 1.3 | 13 | 9 | 164 | 10 | 0.49 | 1.1 | 1.0 | A | 113 | 8 | 0.7 | 42 | 2.7 | 2.7 | | | | |

Felt (IV) at Anchorage and in the Palmer-Wasilla area.

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - AUGUST 1984

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - AUGUST 1984 | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----|------|---------|------|-------|------|------|-------|------|-----|-----|------|------|------|------|------|------|------|-----|------|------|-----|------|-----|
| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | MIN | SEC | RMS | | | SEZ | Q | AZ1 | DPI1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | |
| | | | | | | | | | DEG | MIN | KM | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | KM | | | | | | | | | | | | | | | | | | |
| AUG 14 | 21 | 41 | 21.1 | 60 | 40.9 | 143 | 32.9 | 21.2 | 1.3A | 4 | 3 | 133 | 46 | 0.38 | 1.7 | 2.7 | B | 328 | 9 | 1.0 | 261 | 18 | 2.7 | |
| AUG 14 | 21 | 23 | 3.1 | 61 | 48.7 | 148 | 59.1 | 12.8 | 0.9 | 19 | 12 | 169 | 20 | 0.67 | 0.6 | 22 | A | 272 | 29 | 0.6 | 136 | 52 | 1.5 | |
| AUG 14 | 21 | 44 | 4.6 | 61 | 49.1 | 149 | 1.2 | 7.9 | 1.5 | 20 | 14 | 158 | 21 | 0.77 | 0.5 | 15 | A | 285 | 32 | 0.5 | 136 | 54 | 1.4 | |
| AUG 14 | 21 | 55 | 14.1 | 61 | 49.2 | 149 | 2.0 | 10.0 | 1.6 | 21 | 16 | 158 | 21 | 0.64 | 0.5 | 0.7 | A | 359 | 0 | 0.9 | 268 | 34 | 0.6 | |
| AUG 14 | 21 | 55 | 58.2 | 61 | 49.6 | 148 | 56.4 | 12.0 | 2.0 | 24 | 19 | 158 | 22 | 0.61 | 0.6 | 0.8 | A | 264 | 22 | 0.6 | 5 | 25 | 0.8 | |
| AUG 14 | 21 | 55 | 34.5 | 61 | 49.3 | 137 | 42.3 | 22.9 | 1.3A | 3 | 2 | 327 | 68 | 0.08 | 7.0 | 3.4 | D | 110 | 3 | 3.6 | 201 | 25 | 14.4 | |
| AUG 15 | 13 | 9 | 12.6 | 60 | 20.6 | 140 | 8.2 | 6.9 | 0.7 | 5 | 2 | 257 | 28 | 0.25 | 2.5 | 3.7 | C | 81 | 14 | 2.0 | 334 | 19 | 3.5 | |
| AUG 15 | 13 | 30 | 37.4 | 61 | 12.0 | 149 | 29.9 | 38.0 | 1.5 | 18 | 10 | 64 | 6 | 0.39 | 0.7 | 0.5 | A | 183 | 5 | 1.4 | 277 | 41 | 1.1 | |
| AUG 15 | 17 | 53.0 | 58.9 | 154 | 43.0 | 87.6 | 2.6 | 9 | 7 | 243 | 139 | 0.33 | 3.2 | 7.4 | D | 339 | 2 | 3.0 | 261 | 8 | 5.7 | | | |
| AUG 15 | 28 | 37.6 | 61 | 48.4 | 148 | 58.1 | 10.0 | 1.6 | 20 | 13 | 157 | 20 | 0.59 | 0.5 | 0.7 | A | 358 | 8 | 0.9 | 262 | 32 | 0.5 | | |
| AUG 15 | 17 | 50.8 | 60 | 23.9 | 140 | 45.3 | 0.1 | 1.6 | 14 | 11 | 154 | 31 | 0.71 | 0.6 | 1.1 | A | 320 | 6 | 1.0 | 81 | 7 | 0.9 | | |
| AUG 15 | 17 | 50.1 | 60 | 4.9 | 141 | 11.5 | 6.1 | 0.5 | 5 | 4 | 217 | 12 | 0.12 | 1.9 | 1.6 | B | 284 | 10 | 1.0 | 22 | 40 | 4.4 | | |
| AUG 15 | 21 | 13 | 52.0 | 60 | 7.5 | 141 | 16.4 | 9.5 | 0.9 | 9 | 7 | 139 | 14 | 0.25 | 0.9 | 0.7 | A | 276 | 4 | 0.6 | 9 | 33 | 2.0 | |
| AUG 16 | 0 | 13 | 25.9 | 60 | 33.8 | 144 | 54.5 | 16.8 | 0.6 | 8 | 3 | 112 | 11 | 0.36 | 0.7 | 0.7 | A | 141 | 31 | 0.9 | 261 | 37 | 1.5 | |
| AUG 16 | 0 | 44 | 36.9 | 61 | 23.8 | 150 | 51.5 | 9.0 | 0.5A | 4 | 3 | 121 | 10 | 0.42 | 1.7 | 1.2 | B | 333 | 9 | 0.9 | 81 | 33 | 3.8 | |
| AUG 16 | 15 | 17 | 50.8 | 61 | 23.9 | 140 | 45.3 | 0.1 | 1.6 | 14 | 11 | 154 | 31 | 0.71 | 0.6 | 1.1 | A | 320 | 6 | 1.0 | 203 | 58 | 1.8 | |
| AUG 16 | 15 | 19 | 55.7 | 61 | 29.3 | 151 | 11.6 | 4.0 | 2.1 | 24 | 8 | 93 | 24 | 0.79 | 0.4 | 0.5 | A | 270 | 2 | 0.5 | 179 | 20 | 0.6 | |
| AUG 16 | 16 | 7 | 28.8 | 61 | 26.8 | 151 | 10.4 | 1.3 | 0.5A | 5 | 4 | 103 | 23 | 0.51 | 0.7 | 1.1 | A | 261 | 9 | 0.5 | 164 | 26 | 2.0 | |
| AUG 16 | 16 | 7 | 33.44.6 | 61 | 37.2 | 150 | 55.9 | 70.2 | 2.7 | 23 | 8 | 118 | 20 | 0.34 | 0.9 | 1.5 | B | 81 | 12 | 0.7 | 171 | 19 | 1.4 | |
| AUG 16 | 12 | 30 | 11.8 | 61 | 47.2 | 149 | 1.3 | 14.6 | 1.8 | 25 | 8 | 155 | 17 | 0.69 | 0.5 | 0.6 | A | 21 | 11 | 0.9 | 284 | 32 | 0.5 | |
| AUG 16 | 12 | 35 | 1.4 | 60 | 21.0 | 141 | 19.8 | 12.6 | 0.8 | 10 | 3 | 115 | 23 | 0.39 | 0.7 | 1.4 | B | 169 | 3 | 1.2 | 81 | 18 | 1.0 | |
| AUG 16 | 13 | 29 | 7.5 | 60 | 18.1 | 141 | 11.0 | 12.7 | 1.5 | 16 | 8 | 120 | 19 | 0.63 | 0.4 | 0.7 | A | 294 | 5 | 0.6 | 25 | 14 | 0.6 | |
| AUG 17 | 1 | 27 | 42.8 | 60 | 17.3 | 140 | 52.0 | 0.1 | 0.8 | 7 | 3 | 162 | 18 | 0.65 | 0.7 | 1.7 | B | 89 | 7 | 0.7 | 357 | 11 | 1.0 | |
| AUG 17 | 17 | 29 | 38.2 | 60 | 20.9 | 141 | 12.8 | 9.3 | 1.3 | 11 | 4 | 154 | 24 | 0.54 | 0.8 | 1.2 | A | 105 | 5 | 0.6 | 13 | 25 | 1.3 | |
| AUG 17 | 17 | 30 | 42.0 | 60 | 20.4 | 141 | 12.6 | 12.6 | 0.8 | 9 | 1 | 121 | 23 | 0.33 | 1.2 | 1.6 | B | 118 | 6 | 0.8 | 25 | 32 | 1.4 | |
| AUG 17 | 17 | 31 | 38.3 | 61 | 22.1 | 142 | 37.1 | 35.3 | 1.7 | 6 | 3 | 204 | 40 | 0.52 | 0.8 | 10.2 | D | 297 | 2 | 0.9 | 28 | 41 | 2.1 | |
| AUG 18 | 1 | 30 | 15.4 | 61 | 41.2 | 142 | 24.0 | 0.5 | 1.9 | 23 | 7 | 236 | 73 | 0.66 | 1.8 | 4.7 | C | 289 | 0 | 0.7 | 19 | 3 | 3.3 | |
| AUG 18 | 18 | 27 | 10.1 | 59 | 53.3 | 141 | 20.4 | 1.1 | 1.4 | 11 | 6 | 180 | 34 | 0.94 | 0.7 | 1.2 | A | 107 | 12 | 0.6 | 201 | 14 | 1.2 | |
| AUG 18 | 18 | 5 | 17 | 42.2 | 61 | 39.8 | 142 | 23.8 | 0.5 | 1.5 | 13 | 5 | 238 | 70 | 0.40 | 1.6 | 25.0 | D | 296 | 0 | 1.1 | 217 | 57 | 3.5 |
| AUG 18 | 6 | 17 | 9.0 | 59 | 52.0 | 152 | 43.5 | 82.9 | 2.4 | 17 | 11 | 53 | 36 | 0.29 | 0.9 | 1.3 | A | 81 | 8 | 1.0 | 144 | 17 | 1.3 | |
| AUG 18 | 9 | 50 | 4.3 | 60 | 14.6 | 141 | 12.5 | 3.5 | 1.2 | 14 | 7 | 141 | 14 | 0.53 | 0.9 | 0.9 | A | 297 | 8 | 0.4 | 200 | 44 | 2.0 | |
| AUG 18 | 12 | 6 | 22.4 | 58 | 53.4 | 154 | 46.0 | 124.1 | 3.1 | 10 | 6 | 217 | 91 | 0.32 | 2.4 | 2.5 | B | 293 | 27 | 4.2 | 187 | 28 | 3.1 | |
| AUG 18 | 14 | 6 | 48.6 | 59 | 48.2 | 153 | 26.3 | 116.3 | 2.8 | 16 | 4 | 89 | 42 | 0.18 | 1.3 | 1.5 | B | 106 | 15 | 2.2 | 205 | 32 | 1.9 | |
| AUG 18 | 14 | 41 | 18.2 | 60 | 14.9 | 141 | 30.3 | 6.9 | 1.2 | 12 | 8 | 111 | 18 | 0.70 | 0.5 | 0.7 | A | 123 | 9 | 0.7 | 218 | 29 | 0.9 | |
| AUG 18 | 14 | 48 | 3.9 | 60 | 15.1 | 141 | 27.6 | 7.5 | 0.7 | 12 | 5 | 113 | 20 | 0.34 | 1.1 | 0.8 | A | 120 | 5 | 0.5 | 211 | 9 | 2.1 | |
| AUG 18 | 15 | 18 | 8.0 | 61 | 48.0 | 149 | 0.3 | 9.8 | 1.3 | 19 | 9 | 156 | 19 | 0.88 | 0.5 | 0.5 | A | 15 | 18 | 0.8 | 272 | 35 | 0.5 | |
| AUG 18 | 19 | 51 | 43.2 | 60 | 39.6 | 143 | 2.5 | 2.1 | 1.0 | 7 | 3 | 86 | 26 | 0.59 | 0.7 | 14.4 | D | 261 | 1 | 1.1 | 339 | 2 | 0.6 | |
| AUG 18 | 20 | 31 | 12.1 | 60 | 0.4 | 141 | 13.3 | 4.3 | 1.2 | 11 | 6 | 161 | 19 | 0.54 | 0.9 | 1.3 | B | 123 | 9 | 0.7 | 218 | 29 | 0.9 | |
| AUG 19 | 0 | 4 | 3.8 | 61 | 25.3 | 142 | 37.0 | 9.9 | 1.2 | 4 | 3 | 222 | 45 | 0.36 | 4.3 | 7.5 | D | 305 | 2 | 1.0 | 36 | 25 | 5.1 | |
| AUG 19 | 0 | 29 | 1.4 | 61 | 23.9 | 140 | 20.6 | 4.3 | 2.0 | 13 | 5 | 246 | 72 | 0.63 | 1.2 | 2.7 | C | 101 | 1 | 1.5 | 10 | 14 | 1.4 | |
| AUG 19 | 1 | 46 | 3.9 | 60 | 23.9 | 151 | 7.9 | 44.0 | 2.0 | 18 | 8 | 84 | 39 | 0.48 | 0.5 | 2.1 | B | 82 | 3 | 0.7 | 352 | 4 | 1.0 | |
| AUG 19 | 2 | 23 | 36.2 | 60 | 4.9 | 153 | 9.2 | 119.0 | 2.6 | 15 | 7 | 114 | 22 | 0.20 | 1.4 | 1.2 | A | 81 | 14 | 1.6 | 321 | 22 | 2.5 | |
| AUG 19 | 52 | 32.1 | 59 | 59.2 | 148 | 53.9 | 16.7 | 2.5 | 28 | 10 | 155 | 33 | 0.72 | 0.5 | 0.8 | A | 350 | 0 | 0.9 | 261 | 8 | 0.6 | | |
| AUG 19 | 4 | 31 | 31.2 | 60 | 31.9 | 150 | 28.3 | 43.2 | 3.6 | 28 | 2 | 78 | 14 | 0.41 | 0.6 | 0.8 | A | 269 | 8 | 0.8 | 2 | 19 | 1.0 | |
| AUG 19 | 4 | 42 | 22.7 | 61 | 48.3 | 149 | 0.4 | 14.4 | 1.8 | 25 | 8 | 184 | 19 | 0.75 | 0.6 | 0.6 | A | 10 | 23 | 0.9 | 266 | 29 | 0.6 | |
| AUG 19 | 6 | 54 | 40.4 | 59 | 58.3 | 141 | 48.9 | 9.2 | 1.3 | 12 | 6 | 187 | 14 | 0.53 | 1.3 | 0.7 | A | 202 | 11 | 2.5 | 106 | 26 | 0.5 | |
| AUG 19 | 9 | 55 | 24.4 | 59 | 9.2 | 137 | 27.4 | 16.3 | 1.6 | 4 | 4 | 346 | 88 | 0.15 | 12.5 | 3.8 | D | 206 | 15 | 24.3 | 103 | 39 | 2.2 | |
| AUG 19 | 14 | 28 | 2.9 | 61 | 5.7 | 141 | 14.4 | 9.6 | 1.3 | 7 | 5 | 218 | 15 | 0.14 | 1.9 | 2.4 | B | 81 | 18 | 2.1 | 321 | 21 | 1.1 | |
| AUG 19 | 20 | 26 | 45.7 | 61 | 44.4 | 139 | 21.7 | 28.6 | 1.4 | 7 | 4 | 172 | 8 | 0.18 | 0.2 | 1.0 | B | 193 | 51 | 2.0 | 321 | 21 | 1.0 | |
| AUG 20 | 0 | 12 | 36.8 | 61 | 40.8 | 142 | 20.0 | 1.9 | 1.5 | 5 | 4 | 241 | 74 | 0.47 | 2.5 | 25.0 | D | 291 | 0 | 1.2 | 201 | 1 | 4.3 | |
| AUG 20 | 1 | 45 | 24.6 | 58 | 47.9 | 139 | 43.3 | 18.8 | 1.4 | 3 | 3 | 315 | 87 | 0.43 | 7.9 | 5.6 | D | 17 | 12 | 3.8 | 35 | 116 | 1.9 | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - AUGUST 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | CAP | D1 | RMS | SEH | | | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | |
|-----------------------|-----|------|------|---------|-------|------|----|----|-----|-----|------|------|------|-----|-----|-----|-----|------|-----|------|------|-----|------|------|-----|-----|
| | | | | | | | | | | | | DEG | MIN | SEC | KM | DEG | SEC | KM | DEG | SEC | KM | DEG | SEC | KM | DEG | SEC |
| 1984 AUG 20 5 43 26.3 | 59 | 58.7 | 140 | 41.3 | 0.3 | 1.5 | 9 | 5 | 164 | 27 | 0.54 | 1.2 | 1.4 | B | 291 | 0 | 0.6 | 201 | 40 | 1.4 | 21 | 50 | 3.2 | | | |
| 20 8 37 53.7 | 61 | 47.4 | 149 | 1.6 | 14.0 | 1.6 | 21 | 10 | 166 | 18 | 0.72 | 0.5 | 0.5 | A | 35 | 11 | 0.9 | 296 | 37 | 0.6 | 139 | 51 | 1.2 | | | |
| 20 8 47 42.8 | 61 | 38.3 | 151 | 22.5 | 4.0 | 0.9 | 5 | 4 | 132 | 39 | 0.55 | 0.6 | 1.3 | A | 266 | 0 | 1.1 | 176 | 6 | 0.6 | 356 | 84 | 2.5 | | | |
| 20 15 48 28.9 | 60 | 21.9 | 141 | 14.2 | 9.6 | 1.0 | 11 | 6 | 121 | 26 | 0.75 | 0.6 | 1.0 | A | 331 | 14 | 0.7 | 81 | 14 | 0.8 | 206 | 62 | 2.0 | | | |
| 20 17 35 41.1 | 61 | 47.5 | 148 | 59.5 | 14.9 | 1.7 | 22 | 9 | 155 | 18 | 0.71 | 0.5 | 0.5 | A | 11 | 27 | 0.8 | 261 | 35 | 0.6 | 130 | 43 | 1.1 | | | |
| 21 2 13 18.4 | 62 | 20.9 | 150 | 56.4 | 77.8 | 2.7 | 18 | 10 | 125 | 52 | 0.44 | 1.2 | 1.5 | B | 340 | 19 | 1.9 | 81 | 22 | 1.5 | 214 | 59 | 3.2 | | | |
| 21 21 3 5 46.4 | 60 | 19.0 | 140 | 56.6 | 6.9 | 1.6 | 15 | 11 | 135 | 19 | 0.39 | 0.5 | 0.8 | A | 306 | 5 | 0.5 | 38 | 24 | 1.5 | 205 | 65 | 1.6 | | | |
| 21 13 34 6.7 | 59 | 56.5 | 140 | 50.8 | 3.4 | 1.5 | 12 | 6 | 164 | 26 | 0.42 | 0.8 | 1.2 | A | 118 | 4 | 0.6 | 210 | 28 | 1.1 | 21 | 62 | 2.6 | | | |
| 21 16 21 12.3 | 60 | 8.5 | 140 | 57.4 | 8.3 | 0.9 | 8 | 4 | 165 | 5 | 0.19 | 2.4 | 0.8 | B | 199 | 1 | 4.4 | 109 | 18 | 0.8 | 292 | 72 | 1.5 | | | |
| 21 18 18 32.7 | 57 | 29.3 | 151 | 17.1 | 42.0 | 2.5 | 29 | 8 | 232 | 78 | 0.83 | 2.8 | 3.5 | C | 81 | 9 | 1.5 | 337 | 33 | 3.0 | 184 | 53 | 7.7 | | | |
| 21 21 24 11.3 | 60 | 39.9 | 143 | 1.0 | 10.8 | 0.9 | 7 | 5 | 83 | 26 | 0.66 | 0.9 | 3.9 | C | 261 | 7 | 1.1 | 350 | 9 | 0.8 | 133 | 79 | 7.4 | | | |
| 21 21 36 39.9 | 59 | 19.7 | 145 | 28.6 | 21.9 | 2.3 | 22 | 13 | 217 | 50 | 0.69 | 1.2 | 1.0 | A | 357 | 28 | 2.3 | 106 | 31 | 1.5 | 234 | 46 | 2.0 | | | |
| 22 0 9 40.0 | 59 | 29.9 | 144 | 6.5 | 22.4 | 1.4A | 11 | 4 | 246 | 94 | 0.20 | 2.5 | 1.7 | B | 261 | 27 | 2.7 | 117 | 38 | 1.4 | 5 | 24 | 4.9 | | | |
| 22 3 21 20.4 | 59 | 46.3 | 151 | 36.3 | 47.9 | 2.0 | 13 | 9 | 127 | 33 | 0.33 | 0.9 | 1.3 | A | 81 | 14 | 1.0 | 323 | 19 | 0.9 | 197 | 54 | 2.6 | | | |
| 22 4 24 9.4 | 59 | 17.6 | 145 | 38.5 | 8.7 | 1.8 | 16 | 6 | 235 | 42 | 0.40 | 1.5 | 1.8 | B | 81 | 7 | 2.1 | 163 | 35 | 1.9 | 341 | 54 | 3.8 | | | |
| 22 9 6 9.3 | 60 | 6.6 | 137 | 30.6 | 13.9 | 1.7 | 7 | 3 | 294 | 106 | 0.28 | 3.2 | 2.1 | C | 212 | 24 | 6.3 | 107 | 29 | 4.9 | 335 | 51 | 2.5 | | | |
| 22 11 33 27.1 | 60 | 34.7 | 152 | 38.4 | 10.0 | 0.6 | 5 | 4 | 190 | 13 | 0.65 | 1.4 | 1.4 | B | 20 | 12 | 0.7 | 279 | 43 | 1.0 | 122 | 45 | 3.7 | | | |
| 22 17 29 15.8 | 60 | 14.9 | 142 | 1.6 | 14.8 | 1.0 | 4 | 3 | 129 | 20 | 0.40 | 1.3 | 2.0 | B | 261 | 23 | 1.2 | 351 | 25 | 0.8 | 129 | 57 | 4.2 | | | |
| 22 18 30 48.8 | 61 | 13.2 | 149 | 47.8 | 43.0 | 1.0A | 11 | 6 | 96 | 13 | 0.31 | 0.8 | 1.4 | A | 145 | 4 | 1.1 | 81 | 9 | 1.0 | 261 | 62 | 2.3 | | | |
| 23 1 3 17.2 | 60 | 11.8 | 140 | 44.6 | 12.3 | 1.0 | 7 | 2 | 155 | 17 | 0.24 | 2.8 | 1.3 | C | 192 | 12 | 5.4 | 98 | 21 | 0.9 | 310 | 66 | 2.3 | | | |
| 23 1 16 15.4 | 60 | 9.6 | 141 | 9.0 | 8.9 | 0.6 | 7 | 3 | 151 | 7 | 0.28 | 1.3 | 0.6 | A | 16 | 8 | 2.5 | 283 | 24 | 0.6 | 123 | 65 | 1.1 | | | |
| 23 6 11 52.1 | 62 | 57.8 | 150 | 47.5 | 82.5 | 2.5 | 1 | 1 | 223 | 116 | 0.33 | 5.6 | 7.7 | D | 325 | 17 | 4.3 | 81 | 23 | 3.0 | 209 | 52 | 16.7 | | | |
| 23 8 31 44.2 | 58 | 56.5 | 136 | 41.3 | 3.2 | 2.0 | 7 | 3 | 179 | 134 | 0.34 | 25.0 | 6.8 | D | 299 | 13 | 2.1 | 206 | 13 | 54.5 | 73 | 71 | 3.3 | | | |
| 23 9 44 28.0 | 60 | 9.8 | 141 | 9.9 | 2.2 | 2.1 | 16 | 4 | 134 | 7 | 0.70 | 0.6 | 0.9 | A | 283 | 8 | 0.6 | 15 | 15 | 1.1 | 166 | 73 | 1.8 | | | |
| 23 9 28 33.2 | 59 | 30.7 | 144 | 6.9 | 28.5 | 3.1 | 26 | 10 | 195 | 49 | 0.38 | 1.4 | 0.9 | B | 2 | 1 | 2.7 | 92 | 24 | 1.2 | 270 | 66 | 1.8 | | | |
| 23 9 MB | | | 4.0 | ML ATWC | | | | | | | | | | | | | | | | | | | | | | |
| 24 20 6 54.2 | 61 | 39.1 | 142 | 25.8 | 0.5 | 1.9 | 10 | 4 | 236 | 69 | 0.45 | 2.7 | 5.9 | D | 16 | 0 | 5.0 | 106 | 1 | 1.3 | 286 | 89 | 11.0 | | | |
| 24 23 22 54.2 | 60 | 13.8 | 141 | 10.7 | 5.5 | 1.3 | 7 | 5 | 112 | 12 | 0.27 | 1.3 | 1.1 | A | 278 | 6 | 0.9 | 184 | 36 | 2.7 | 16 | 53 | 1.4 | | | |
| 25 9 4 5.9 | 61 | 45.2 | 151 | 38.2 | 88.7 | 2.7 | 19 | 10 | 165 | 26 | 0.49 | 1.2 | 1.5 | B | 81 | 11 | 1.3 | 164 | 23 | 2.0 | 325 | 64 | 3.0 | | | |
| 25 9 13 23.4 | 60 | 30.5 | 145 | 9.8 | 20.8 | 1.9 | 24 | 8 | 114 | 4 | 0.54 | 0.5 | 0.6 | A | 113 | 5 | 0.7 | 21 | 29 | 0.9 | 212 | 61 | 1.2 | | | |
| 25 13 5 55.4 | 61 | 14.2 | 151 | 59.8 | 86.7 | 2.1 | 16 | 5 | 85 | 7 | 0.42 | 1.3 | 2.0 | B | 81 | 12 | 1.7 | 148 | 17 | 1.8 | 310 | 59 | 3.6 | | | |
| 25 14 37 2.0 | 58 | 45.8 | 152 | 51.3 | 12.4 | 2.0 | 10 | 5 | 158 | 72 | 0.37 | 1.1 | 2.4 | B | 166 | 1 | 1.3 | 81 | 6 | 3.2 | 266 | 82 | 4.6 | | | |
| 25 19 6 36.2 | 60 | 13.2 | 141 | 8.0 | 7.3 | 1.6 | 12 | 8 | 113 | 9 | 0.59 | 0.9 | 0.9 | A | 81 | 23 | 0.9 | 319 | 28 | 0.6 | 196 | 44 | 2.2 | | | |
| 25 19 56 17.9 | 60 | 16.4 | 149 | 47.8 | 51.1 | 2.0 | 13 | 6 | 119 | 27 | 0.32 | 0.9 | 1.3 | A | 261 | 6 | 1.5 | 354 | 19 | 1.6 | 154 | 70 | 2.6 | | | |
| 25 22 29 4.2 | 60 | 22.0 | 141 | 15.7 | 1.0 | 1.3 | 11 | 6 | 121 | 27 | 0.70 | 0.6 | 1.7 | B | 261 | 3 | 1.1 | 344 | 12 | 0.6 | 157 | 76 | 3.2 | | | |
| 26 2 41 14.3 | 61 | 13.9 | 141 | 13.4 | 0.2 | 1.1 | 5 | 3 | 271 | 30 | 0.13 | 2.8 | 25.0 | D | 301 | 0 | 1.8 | 31 | 0 | 5.2 | 0 | 90 | 99.0 | | | |
| 26 3 32 48.1 | 60 | 44.6 | 151 | 29.9 | 66.8 | 3.1 | 23 | 10 | 63 | 14 | 0.39 | 0.6 | 1.3 | A | 173 | 1 | 0.8 | 83 | 17 | 0.8 | 266 | 73 | 2.6 | | | |
| 26 6 13 35.1 | 60 | 33.3 | 145 | 9.3 | 28.3 | 0.7 | 11 | 9 | 114 | 4 | 0.47 | 0.5 | 0.6 | A | 109 | 4 | 0.7 | 18 | 14 | 0.9 | 215 | 75 | 1.2 | | | |
| 26 8 42 26.5 | 60 | 30.1 | 145 | 8.8 | 13.8 | 0.6 | 5 | 4 | 169 | 5 | 0.49 | 1.2 | 0.8 | A | 99 | 23 | 0.7 | 355 | 28 | 2.4 | 222 | 52 | 1.3 | | | |
| 26 12 36 6.0 | 60 | 37.8 | 145 | 1.4 | 28.8 | 1.4 | 13 | 7 | 79 | 10 | 0.33 | 0.5 | 0.7 | A | 103 | 19 | 0.7 | 5 | 22 | 0.8 | 230 | 60 | 1.5 | | | |
| 26 14 3 52.4 | 60 | 59.3 | 147 | 16.5 | 27.8 | 2.1 | 24 | 7 | 97 | 16 | 0.92 | 0.5 | 0.7 | A | 6 | 8 | 1.0 | 274 | 11 | 0.5 | 131 | 76 | 1.3 | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - AUGUST 1984

| 1984 | HR | MN | SEC | LAT N | | LONG W | DEPTH | MAG | NP | NS | GAP | D1 | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | |
|--------|----|----|------|-------------|------|--------|-------|-------|------|----|-----|------|------|------|------|------|-----|------|-----|-----|------|-----|------|------|-----|------|--|
| | | | | DEG | MIN | | | | | | | | | | | | | | | | | | | | | | |
| AUG 26 | 18 | 2 | 45.7 | 60 | 32.2 | 141 | 35.1 | 3.8 | 1.3 | 8 | 6 | 111 | 22 | 0.51 | 0.6 | 1.3 | A | 357 | 2 | 0.5 | 87 | 9 | 1.0 | 255 | 81 | 2.4 | |
| 26 | 22 | 51 | 46.9 | 60 | 15.2 | 140 | 46.3 | 9.6 | 1.4 | 10 | 4 | 165 | 18 | 0.43 | 1.2 | 1.3 | A | 100 | 7 | 0.8 | 4 | 42 | 1.3 | 198 | 47 | 3.0 | |
| 26 | 23 | 31 | 26.6 | 60 | 30.7 | 142 | 50.7 | 12.3 | 1.2 | 3 | 3 | 151 | 7 | 0.14 | 1.0 | 14.0 | D | 358 | 0 | 1.8 | 268 | 2 | 1.0 | 88 | 88 | 26.2 | |
| 27 | 0 | 17 | 28.0 | 59 | 58.8 | 141 | 40.6 | 3.5 | 2.0 | 16 | 6 | 174 | 21 | 0.79 | 0.9 | 0.8 | A | 270 | 5 | 0.4 | 3 | 30 | 1.9 | 171 | 59 | 1.3 | |
| 27 | 0 | 27 | 22.8 | 61 | 9.7 | 142 | 57.0 | 18.0 | 1.7 | 3 | 3 | 177 | 36 | 0.16 | 8.6 | 11.6 | D | 296 | 1 | 0.9 | 205 | 36 | 5.4 | 27 | 54 | 26.5 | |
| 27 | 6 | 38 | 15.7 | 59 | 0.2 | 151 | 15.5 | 42.0 | 2.8 | 13 | 5 | 169 | 55 | 0.35 | 1.2 | 2.8 | C | 202 | 7 | 1.8 | 111 | 8 | 2.2 | 333 | 79 | 5.4 | |
| 4.5 MB | | | | 4.0 ML ATWC | | | | 12.0 | | | | 23.5 | | | | 285 | | | | 114 | | | | 0.20 | | | |
| 27 | 22 | 58 | 58.4 | 59 | 58.6 | 137 | 20.3 | 12.0 | 2.0 | 10 | 5 | 298 | 105 | 0.58 | 3.2 | 2.7 | C | 81 | 1 | 4.5 | 155 | 38 | 7.3 | 350 | 49 | 2.0 | |
| 27 | 23 | 23 | 20.3 | 60 | 21.2 | 145 | 9.6 | 10.5 | 0.6A | 5 | 3 | 261 | 20 | 0.41 | 1.9 | 1.8 | B | 140 | 18 | 1.2 | 261 | 38 | 3.2 | 340 | 40 | 3.7 | |
| 28 | 6 | 40 | 12.3 | 61 | 27.7 | 142 | 34.1 | 1.9 | 1.2 | 6 | 4 | 216 | 49 | 0.72 | 2.0 | 25.0 | D | 302 | 0 | 0.7 | 32 | 2 | 2.2 | 212 | 88 | 84.8 | |
| 28 | 7 | 45 | 9.9 | 60 | 54.5 | 152 | 12.6 | 12.1 | 0.7A | 5 | 5 | 168 | 32 | 0.45 | 2.5 | 3.1 | C | 185 | 7 | 0.5 | 89 | 38 | 1.0 | 284 | 51 | 7.4 | |
| 28 | 14 | 44 | 47.1 | 61 | 28.0 | 149 | 47.7 | 41.3 | 2.2 | 28 | 9 | 76 | 21 | 0.44 | 0.5 | 1.0 | A | 98 | 3 | 0.6 | 189 | 11 | 0.9 | 353 | 79 | 1.9 | |
| 28 | 21 | 13 | 7.9 | 61 | 27.8 | 146 | 39.1 | 30.5 | 2.1 | 29 | 10 | 66 | 39 | 0.74 | 0.4 | 0.4 | A | 99 | 1 | 0.4 | 189 | 10 | 0.7 | 3 | 80 | 0.8 | |
| 28 | 21 | 22 | 20.5 | 58 | 40.0 | 138 | 14.6 | 7.1 | 1.3 | 5 | 4 | 337 | 95 | 0.23 | 8.0 | 2.9 | D | 334 | 2 | 3.3 | 81 | 13 | 14.9 | 236 | 69 | 3.8 | |
| 29 | 0 | 3 | 1.9 | 60 | 2.0 | 152 | 9.7 | 64.2 | 2.7 | 10 | 4 | 235 | 62 | 0.29 | 1.9 | 2.6 | B | 144 | 1 | 1.3 | 81 | 18 | 3.0 | 237 | 58 | 4.5 | |
| 29 | 7 | 20 | 48.3 | 60 | 27.1 | 152 | 57.7 | 142.0 | 3.7 | 21 | 4 | 86 | 31 | 0.36 | 1.0 | 1.3 | A | 11 | 0 | 1.4 | 281 | 20 | 1.9 | 101 | 70 | 2.4 | |
| 29 | 7 | 57 | 7.8 | 60 | 3.9 | 141 | 42.0 | 7.8 | 0.7 | 10 | 8 | 166 | 16 | 0.30 | 0.6 | 0.7 | A | 263 | 1 | 0.5 | 354 | 28 | 1.0 | 171 | 62 | 1.3 | |
| 29 | 12 | 44 | 53.7 | 60 | 30.1 | 143 | 2.3 | 0.6 | 0.9 | 8 | 5 | 135 | 12 | 0.50 | 0.8 | 24.3 | D | 44 | 0 | 1.5 | 314 | 1 | 0.8 | 134 | 89 | 45.6 | |
| 29 | 13 | 21 | 9.4 | 60 | 57.9 | 147 | 9.0 | 15.1 | 2.2 | 33 | 8 | 44 | 9 | 0.79 | 0.4 | 0.7 | A | 189 | 2 | 0.7 | 280 | 11 | 0.4 | 89 | 79 | 1.3 | |
| 29 | 14 | 12 | 7.4 | 60 | 45.1 | 150 | 26.6 | 27.7 | 2.1 | 27 | 12 | 37 | 29 | 0.62 | 0.4 | 1.4 | A | 327 | 1 | 0.6 | 81 | 2 | 0.6 | 216 | 66 | 2.4 | |
| 29 | 15 | 18 | 38.3 | 60 | 57.0 | 152 | 17.3 | 3.1 | 0.4 | 5 | 5 | 183 | 29 | 0.47 | 1.8 | 2.4 | B | 184 | 4 | 0.6 | 91 | 91 | 3.3 | 280 | 55 | 5.5 | |
| 29 | 16 | 30 | 1.8 | 60 | 0.3 | 141 | 40.0 | 10.8 | 1.5 | 17 | 8 | 170 | 19 | 0.37 | 0.7 | 0.6 | A | 98 | 11 | 0.6 | 3 | 24 | 1.4 | 211 | 63 | 1.1 | |
| 29 | 23 | 53 | 17.9 | 61 | 5.7 | 149 | 22.4 | 35.2 | 1.2 | 15 | 7 | 85 | 19 | 0.27 | 0.6 | 0.8 | A | 148 | 7 | 0.9 | 261 | 15 | 0.8 | 38 | 62 | 1.4 | |
| 29 | 23 | 57 | 36.4 | 60 | 15.2 | 146 | 57.4 | 15.3 | 2.1 | 29 | 11 | 59 | 30 | 0.57 | 0.4 | 0.7 | A | 218 | 2 | 0.5 | 308 | 6 | 0.7 | 110 | 84 | 1.2 | |
| 30 | 1 | 8 | 47.7 | 61 | 38.8 | 147 | 0.4 | 27.6 | 2.1 | 28 | 15 | 80 | 27 | 0.65 | 0.4 | 0.7 | A | 104 | 3 | 0.6 | 195 | 10 | 0.8 | 358 | 80 | 1.4 | |
| 30 | 1 | 40 | 11.7 | 60 | 1.9 | 141 | 37.9 | 0.9 | 6 | 4 | 189 | 16 | 0.59 | 1.0 | 3.0 | C | 273 | 0 | 0.8 | 3 | 11 | 1.7 | 183 | 79 | 5.8 | | |
| 30 | 5 | 31 | 31.8 | 60 | 17.9 | 152 | 57.6 | 125.4 | 2.9 | 19 | 8 | 79 | 15 | 0.46 | 1.0 | 1.9 | B | 31 | 4 | 1.4 | 301 | 4 | 1.8 | 166 | 84 | 3.7 | |
| 30 | 5 | 50 | 23.3 | 59 | 45.1 | 150 | 40.7 | 31.9 | 2.0 | 18 | 6 | 179 | 12 | 0.45 | 1.5 | 1.0 | A | 81 | 35 | 1.3 | 286 | 36 | 1.8 | 183 | 16 | 2.8 | |
| 30 | 10 | 10 | 50.9 | 61 | 1.9 | 149 | 0.9 | 31.0 | 2.2 | 30 | 10 | 64 | 19 | 0.32 | 0.5 | 0.7 | A | 215 | 6 | 0.7 | 306 | 12 | 0.8 | 99 | 77 | 1.4 | |
| 30 | 15 | 46 | 11.6 | 59 | 47.3 | 152 | 40.6 | 76.6 | 2.3 | 15 | 4 | 101 | 45 | 0.28 | 0.9 | 2.3 | B | 85 | 4 | 1.3 | 355 | 4 | 1.6 | 220 | 84 | 4.4 | |
| 30 | 18 | 33 | 58.5 | 62 | 7.7 | 151 | 16.2 | 80.0 | 2.6 | 15 | 9 | 242 | 21 | 0.48 | 1.8 | 1.6 | B | 81 | 10 | 1.6 | 172 | 20 | 3.5 | 325 | 68 | 3.0 | |
| 30 | 21 | 36 | 50.1 | 61 | 50.1 | 148 | 57.5 | 8.3 | 2.1 | 27 | 6 | 159 | 23 | 0.61 | 0.9 | 1.1 | A | 26 | 18 | 1.5 | 285 | 31 | 0.8 | 142 | 53 | 2.4 | |
| 31 | 3 | 25 | 35.8 | 60 | 30.7 | 145 | 7.7 | 15.2 | 0.6 | 9 | 5 | 168 | 5 | 0.39 | 1.1 | 0.9 | A | 231 | 30 | 2.3 | 115 | 37 | 1.1 | 348 | 38 | 1.6 | |
| 31 | 9 | 43 | 2.5 | 60 | 13.6 | 146 | 24.4 | 11.9 | 2.2 | 29 | 9 | 72 | 20 | 0.54 | 0.6 | 0.8 | A | 108 | 4 | 0.7 | 199 | 19 | 1.1 | 71 | 1.6 | | |
| 31 | 14 | 35 | 10.2 | 61 | 49.1 | 148 | 56.5 | 9.9 | 1.7 | 22 | 9 | 184 | 27 | 0.80 | 0.9 | 1.3 | A | 168 | 2 | 1.4 | 261 | 31 | 0.7 | 75 | 59 | 2.9 | |
| 31 | 18 | 24 | 3.4 | 60 | 50.0 | 151 | 2.3 | 59.8 | 2.3 | 23 | 11 | 56 | 57 | 0.51 | 0.6 | 1.8 | B | 23 | 1 | 1.1 | 113 | 3 | 0.9 | 275 | 87 | 3.3 | |
| 31 | 20 | 2 | 9.2 | 62 | 18.2 | 148 | 32.2 | 32.6 | 2.2 | 23 | 11 | 201 | 56 | 0.61 | 1.2 | 0.9 | A | 91 | 16 | 1.5 | 189 | 25 | 2.4 | 332 | 60 | 1.4 | |
| 31 | 22 | 3 | 30.7 | 58 | 19.2 | 133 | 31.4 | 7.1 | 3.3A | 3 | 2 | 284 | 66 | 0.05 | 25.0 | 261 | 17 | 5.9 | 145 | 35 | 2.5 | 9 | 45 | 69.9 | | | |
| 31 | 22 | 40 | 59.6 | 60 | 24.7 | 147 | 37.6 | 28.1 | 2.2 | 28 | 11 | 159 | 61 | 0.57 | 0.7 | 0.8 | A | 264 | 5 | 0.6 | 171 | 27 | 1.2 | 4 | 62 | 1.7 | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - SEPTEMBER 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEZ Q | | | AZ1 DIP1 SE1 | | | AZ2 DIP2 SE2 | | | AZ3 DIP3 SE3 | | | |
|----------------------|-----|------|------|------|-------|------|-----|----|-----|-----|------|-------|------|------|--------------|-----|------|--------------|-----|------|--------------|-----|------|------|
| | | | | | | | | | | | | DEG | MIN | SEC | DEG | DEG | SEC | DEG | DEG | SEC | DEG | DEG | SEC | |
| 1984 SEP 1 0 48 53.6 | 60 | 14.6 | 140 | 47.8 | 10.3 | 1.2 | 14 | 9 | 136 | 1.6 | 0.36 | 0.7 | 1.0 | A | 103 | 6 | 0.6 | 10 | 31 | 0.8 | 203 | 58 | 2.2 | |
| 1 22 45.8 | 59 | 16.8 | 135 | 39.5 | 23.1 | 2.1 | 4 | 1 | 346 | 1.6 | 0.10 | 25.0 | 25.0 | D | 8 | 2 | 99.0 | 276 | 34 | 8.8 | 101 | 56 | 99.0 | |
| 1 1 46 43.6 | 60 | 0.3 | 141 | 46.3 | 8.9 | 1.3 | 18 | 8 | 174 | 1.6 | 0.66 | 0.8 | 1.7 | A | 93 | 6 | 0.6 | 359 | 34 | 1.6 | 192 | 55 | 1.2 | |
| 1 1 53 49.3 | 61 | 24.0 | 140 | 12.4 | 15.0 | 1.0 | 0A | 3 | 2 | 290 | 122 | 0.20 | 6.1 | 12.2 | D | 24 | 11 | 9.3 | 118 | 17 | 6.5 | 263 | 69 | 24.3 |
| 1 5 29 7.3 | 61 | 48.1 | 148 | 59.7 | 10.0 | 2.1 | 30 | 11 | 90 | 1.9 | 0.61 | 0.5 | 0.8 | A | 356 | 2 | 0.9 | 265 | 32 | 0.6 | 89 | 58 | 1.6 | |
| 1 15 29 53.4 | 59 | 56.7 | 141 | 19.2 | 3.0 | 1.1 | 12 | 4 | 174 | 1.7 | 0.32 | 1.0 | 1.2 | A | 112 | 11 | 0.7 | 210 | 36 | 1.4 | 8 | 52 | 2.7 | |
| 1 15 43 46.0 | 60 | 11.6 | 140 | 20.0 | 14.0 | 1.3 | 10 | 7 | 156 | 1.2 | 0.95 | 1.3 | 0.6 | A | 298 | 7 | 0.6 | 206 | 14 | 2.4 | 54 | 74 | 1.0 | |
| 1 16 32 2.4 | 60 | 37.9 | 143 | 30.5 | 22.4 | 0.9 | 4 | 3 | 118 | 4.1 | 0.29 | 1.7 | 4.6 | C | 81 | 3 | 1.0 | 319 | 12 | 1.6 | 181 | 56 | 7.7 | |
| 1 18 21 59.8 | 60 | 12.0 | 141 | 36.6 | 15.1 | 1.2 | 11 | 3 | 105 | 1.0 | 0.36 | 0.7 | 0.9 | A | 295 | 15 | 0.6 | 30 | 17 | 1.2 | 166 | 67 | 1.8 | |
| 1 19 31 39.4 | 61 | 42.2 | 149 | 39.6 | 43.1 | 2.3 | 28 | 7 | 147 | 1.3 | 0.54 | 0.8 | 1.1 | A | 99 | 2 | 0.8 | 190 | 8 | 1.4 | 355 | 82 | 2.1 | |
| 1 20 31 55.3 | 60 | 4.6 | 152 | 55.1 | 102.3 | 2.5 | 18 | 6 | 68 | 62 | 0.28 | 1.0 | 2.0 | B | 122 | 4 | 1.9 | 32 | 7 | 1.3 | 242 | 82 | 3.8 | |
| 1 21 32 31.0 | 59 | 54.0 | 141 | 36.5 | 9.2 | 1.1 | 1A | 6 | 230 | 28 | 0.67 | 1.3 | 1.5 | B | 278 | 3 | 1.0 | 10 | 34 | 2.2 | 184 | 56 | 3.0 | |
| 1 21 55 42.2 | 59 | 55.7 | 141 | 40.5 | 13.6 | 1.0 | 0A | 5 | 279 | 27 | 0.34 | 1.4 | 2.2 | B | 104 | 5 | 1.5 | 196 | 26 | 2.0 | 4 | 63 | 4.4 | |
| 1 22 51 20.4 | 60 | 11.5 | 141 | 49.2 | 6.4 | 0.6 | 6 | 2 | 167 | 19 | 0.16 | 0.9 | 1.9 | B | 198 | 6 | 1.6 | 289 | 15 | 0.6 | 87 | 74 | 3.7 | |
| 1 23 33 11.3 | 58 | 23.6 | 133 | 28.4 | 5.0 | 3.2 | 4 | 2 | 282 | 68 | 0.23 | 22.1 | 23.7 | D | 261 | 8 | 8.1 | 159 | 41 | 3.3 | 0 | 47 | 60.5 | |
| 2 2 55 26.3 | 60 | 14.6 | 141 | 16.4 | 13.2 | 1.1 | 15 | 8 | 108 | 1.5 | 0.22 | 0.7 | 0.9 | A | 83 | 15 | 0.8 | 344 | 33 | 0.6 | 194 | 53 | 2.0 | |
| 2 6 41 51.4 | 58 | 50.0 | 137 | 10.2 | 13.9 | 1.6 | 4 | 4 | 353 | 120 | 0.11 | 25.0 | 3.4 | D | 216 | 4 | 60.7 | 309 | 38 | 6.2 | 121 | 52 | 3.6 | |
| 2 7 34 46.3 | 60 | 30.3 | 143 | 4.4 | 0.9 | 0.1 | 4 | 3 | 139 | 14 | 0.63 | 0.9 | 17.0 | D | 313 | 1 | 1.1 | 43 | 1 | 1.5 | 178 | 89 | 31.8 | |
| 2 9 59 3.6 | 60 | 57.0 | 151 | 3.7 | 13.3 | 1.6 | 24 | 11 | 55 | 25 | 0.61 | 0.5 | 0.9 | A | 261 | 1 | 0.7 | 328 | 8 | 0.6 | 164 | 66 | 1.5 | |
| 2 10 24 45.8 | 59 | 55.3 | 153 | 18.5 | 119.2 | 2.8 | 15 | 6 | 129 | 40 | 0.24 | 1.4 | 1.2 | B | 215 | 3 | 1.5 | 306 | 37 | 2.8 | 121 | 53 | 2.0 | |
| 2 10 33 37.7 | 60 | 6.5 | 141 | 20.0 | 10.1 | 0.9 | 9 | 7 | 145 | 9 | 0.28 | 0.6 | 0.5 | A | 274 | 2 | 0.5 | 5 | 17 | 1.2 | 177 | 73 | 1.0 | |
| 2 10 37 25.0 | 59 | 42.8 | 152 | 17.9 | 57.2 | 2.3 | 17 | 7 | 60 | 49 | 0.38 | 0.8 | 1.8 | B | 27 | 11 | 1.3 | 295 | 13 | 1.0 | 156 | 73 | 3.5 | |
| 2 11 8 40.3 | 60 | 15.9 | 141 | 40.2 | 7.8 | 1.2 | 17 | 7 | 90 | 11 | 0.53 | 0.5 | 0.6 | A | 44 | 5 | 0.9 | 313 | 10 | 0.5 | 160 | 79 | 1.1 | |
| 2 13 24 15.0 | 60 | 3.4 | 141 | 23.2 | 4.0 | 1.0 | 11 | 4 | 171 | 11 | 0.22 | 0.7 | 0.8 | A | 277 | 0 | 0.6 | 187 | 29 | 1.1 | 7 | 61 | 1.6 | |
| 3 0 55 36.2 | 61 | 3.3 | 152 | 12.9 | 11.2 | 0.6 | 5 | 4 | 69 | 17 | 0.35 | 2.6 | 2.5 | B | 198 | 19 | 0.6 | 306 | 42 | 3.8 | 90 | 42 | 5.8 | |
| 3 5 54 49.2 | 60 | 39.2 | 143 | 9.2 | 0.4 | 0.9 | 7 | 3 | 80 | 28 | 0.34 | 1.2 | 25.0 | D | 350 | 0 | 1.1 | 261 | 0 | 2.2 | 0 | 90 | 99.0 | |
| 3 7 18 4.1 | 60 | 59.1 | 152 | 11.4 | 14.3 | 0.4A | 3 | 4 | 345 | 23 | 0.48 | 4.3 | 0.9 | C | 284 | 2 | 8.1 | 193 | 15 | 1.1 | 21 | 75 | 1.7 | |
| 3 10 4 5.0 | 57 | 59.1 | 148 | 27.6 | 40.6 | 3.0 | 10 | 6 | 229 | 202 | 0.31 | 6.5 | 16.8 | D | 261 | 2 | 4.6 | 329 | 9 | 10.4 | 158 | 66 | 29.5 | |
| 3 13 16 52.3 | 61 | 25.4 | 145 | 58.5 | 36.3 | 2.5 | 32 | 8 | 58 | 8 | 0.60 | 0.4 | 0.4 | A | 340 | 3 | 0.8 | 261 | 26 | 0.6 | 76 | 62 | 0.7 | |
| 3 14 48 47.9 | 61 | 7.6 | 151 | 24.1 | 7.8 | 1.2 | 11 | 7 | 79 | 36 | 0.79 | 0.5 | 0.8 | A | 216 | 6 | 1.0 | 124 | 19 | 0.7 | 323 | 70 | 1.6 | |
| 3 17 44 59.8 | 60 | 16.1 | 141 | 4.3 | 3.5 | 0.9 | 8 | 5 | 151 | 13 | 0.44 | 0.7 | 1.6 | B | 317 | 10 | 0.6 | 50 | 15 | 0.9 | 195 | 72 | 3.2 | |
| 3 22 25 35.7 | 60 | 12.4 | 140 | 58.4 | 4.3 | 1.4 | 18 | 5 | 120 | 7 | 0.37 | 0.9 | 0.8 | A | 311 | 19 | 0.6 | 81 | 30 | 0.7 | 203 | 39 | 1.9 | |
| 4 0 15 20.6 | 61 | 27.1 | 149 | 20.8 | 38.9 | 0.7A | 3 | 3 | 248 | 26 | 0.06 | 2.5 | 0.9 | B | 261 | 17 | 1.6 | 334 | 23 | 4.6 | 130 | 57 | 0.9 | |
| 4 1 3 9.4 | 60 | 6.4 | 140 | 54.8 | 11.0 | 0.6 | 8 | 4 | 128 | 8 | 0.34 | 0.9 | 0.9 | A | 96 | 25 | 0.6 | 206 | 37 | 1.3 | 340 | 43 | 7.0 | |
| 4 2 29 34.0 | 58 | 13.5 | 150 | 50.3 | 78.2 | 7.7 | 10 | 2 | 222 | 111 | 0.26 | 7.0 | 10.3 | D | 197 | 7 | 4.0 | 104 | 27 | 9.9 | 300 | 62 | 21.3 | |
| 4 3 54 52.9 | 60 | 2.7 | 142 | 8.0 | 4.3 | 0.9 | 12 | 6 | 178 | 6 | 0.51 | 0.7 | 0.7 | A | 292 | 19 | 0.7 | 187 | 38 | 1.5 | 43 | 46 | 1.2 | |
| 4 9 13 52.3 | 60 | 39.8 | 145 | 19.8 | 29.9 | 0.7 | 15 | 9 | 85 | 16 | 0.41 | 0.5 | 0.6 | A | 135 | 10 | 0.6 | 261 | 41 | 1.1 | 37 | 37 | 0.8 | |
| 4 13 21 50.7 | 60 | 29.6 | 152 | 13.1 | 79.7 | 2.3 | 22 | 7 | 62 | 14 | 0.32 | 0.6 | 0.9 | A | 23 | 6 | 1.0 | 115 | 15 | 1.1 | 272 | 74 | 1.8 | |
| 4 14 6 53.5 | 60 | 13.1 | 148 | 29.2 | 29.7 | 1.9 | 30 | 9 | 124 | 55 | 0.60 | 0.5 | 0.6 | A | 81 | 2 | 0.6 | 339 | 12 | 0.9 | 180 | 73 | 1.1 | |
| 4 16 6 11.2 | 63 | 5.0 | 150 | 37.0 | 109.4 | 3.0 | 12 | 3 | 124 | 132 | 0.14 | 7.9 | 9.0 | D | 320 | 18 | 2.2 | 81 | 28 | 3.6 | 208 | 46 | 21.2 | |
| 4 22 6 20.2 | 60 | 15.6 | 141 | 13.6 | 12.4 | 0.8 | 1.8 | 4 | 143 | 16 | 0.29 | 3.2 | 3.6 | C | 342 | 10 | 1.5 | 81 | 36 | 4.8 | 239 | 52 | 7.8 | |
| 5 5 13 16.3 | 59 | 56.2 | 140 | 53.4 | 8.3 | 1.2 | 11 | 6 | 170 | 19 | 0.62 | 0.9 | 1.2 | A | 298 | 8 | 0.6 | 34 | 36 | 0.9 | 197 | 53 | 2.5 | |
| 5 6 17 47.0 | 62 | 2.1 | 140 | 47.5 | 6.3 | 1.6 | 19 | 5 | 150 | 18 | 0.71 | 0.7 | 0.7 | A | 116 | 18 | 0.6 | 217 | 31 | 1.1 | 0 | 53 | 2.6 | |
| 5 10 27 33.9 | 59 | 56.7 | 140 | 51.5 | 4.9 | 1.0 | 9 | 4 | 182 | 20 | 0.44 | 0.8 | 0.7 | A | 106 | 12 | 0.5 | 42 | 17 | 2.0 | 29 | 61 | 2.6 | |
| 5 10 26 20.0 | 61 | 25.0 | 140 | 29.6 | 14.4 | 1.1A | 8 | 4 | 249 | 68 | 0.28 | 2.1 | 2.6 | B | 7 | 12 | 3.3 | 105 | 33 | 1.8 | 260 | 54 | 5.8 | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - SEPTEMBER 1984

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - SEPTEMBER 1984

| PRELIMINARY DETERMINATION OF INFRACOASTAL SOUTHERN ALASKA - SEPTEMBER 1964 | | | | | | | | | | | |
|--|---------|----------|-------|------|-----|-----|-----|-----|------|------|--------|
| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ Q |
| | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN |
| SEP 10 5 52 23.7 | 60 5.2 | 140 48.4 | 6.7 | 1.0 | 10 | 4 | 158 | 15 | 0.54 | 1.6 | 1.1 B |
| SEP 10 6 48 31.4 | 59 18.3 | 146 30.2 | 28.4 | 2.6 | 23 | 2 | 245 | 17 | 0.67 | 3.0 | 0.9 C |
| SEP 10 8 53 46.8 | 59 31.5 | 138 48.1 | 25.0 | 1.3 | 4 | 2 | 252 | 9 | 0.13 | 5.3 | 2.8 D |
| SEP 10 14 27 51.4 | 61 15.6 | 152 13.1 | 7.6 | 0.2 | 4 | 3 | 238 | 3 | 0.23 | 1.7 | 1.3 B |
| SEP 10 15 6 55.0 | 61 30.4 | 146 21.9 | 20.4 | 2.2 | 33 | 8 | 80 | 24 | 0.69 | 0.4 | 0.8 A |
| SEP 10 16 42 25.3 | 60 29.6 | 145 16.0 | 14.5 | 0.6 | 16 | 4 | 152 | 6 | 0.40 | 0.6 | 0.6 A |
| SEP 10 19 22 32.5 | 60 55.7 | 151 3.1 | 14.1 | 2.7 | 28 | 7 | 56 | 23 | 0.44 | 0.4 | 0.8 A |
| SEP 10 19 22 32.5 | 60 55.7 | 151 3.1 | 14.1 | 2.7 | 28 | 7 | 56 | 23 | 0.44 | 0.4 | 0.8 A |
| Felt (III) at Anchorage | | | | | | | | | | | |
| 10 19 42 31.3 | 60 19.9 | 140 44.7 | 12.5 | 1.1 | 10 | 5 | 148 | 25 | 0.28 | 0.9 | 1.5 B |
| 10 20 3 47.7 | 59 50.6 | 141 19.3 | 0.2 | 0.7 | 9 | 3 | 190 | 27 | 0.33 | 1.0 | 1.8 B |
| 10 20 9 35.5 | 60 17.1 | 140 37.6 | 6.8 | 0.8 | 7 | 4 | 171 | 27 | 0.23 | 1.0 | 2.4 B |
| 11 2 19 17.3 | 60 11.5 | 140 59.3 | 12.0 | 1.1 | 15 | 4 | 142 | 5 | 0.18 | 1.2 | 0.7 A |
| 11 3 16 42.6 | 60 56.5 | 147 30.3 | 29.9 | 2.0 | 32 | 12 | 50 | 24 | 0.46 | 0.4 | 0.5 A |
| 11 5 22 43.0 | 60 9.9 | 141 56.0 | 6.0 | 0.8 | 14 | 8 | 88 | 15 | 0.45 | 0.5 | 0.9 A |
| 11 10 15 29.4 | 61 46.5 | 149 7.8 | 15.1 | 1.8 | 26 | 14 | 129 | 11 | 0.52 | 0.5 | 0.7 A |
| 11 15 2 29.7 | 60 27.3 | 16.6 | 1.9 | 1.1 | 14 | 4 | 67 | 31 | 0.77 | 0.5 | 16.9 D |
| 11 17 54 37.8 | 59 13.0 | 152 10.0 | 62.6 | 2.6 | 15 | 4 | 131 | 44 | 0.22 | 1.0 | 2.7 C |
| 11 20 33 51.4 | 61 57.0 | 148 52.5 | 8.0 | 0.3A | 7 | 6 | 237 | 13 | 0.22 | 1.2 | 0.7 A |
| 11 21 58 41.9 | 61 46.2 | 149 11.5 | 13.5 | 0.3 | 5 | 5 | 169 | 14 | 0.17 | 1.3 | 1.7 B |
| 11 22 19 3.5 | 61 53.0 | 149 17.8 | 11.1 | 0.7 | 5 | 5 | 220 | 18 | 0.61 | 2.0 | 4.3 C |
| 12 0 57 59.3 | 61 11.0 | 149 44.9 | 40.1 | 2.3 | 31 | 7 | 38 | 12 | 0.42 | 0.5 | 1.3 A |
| 12 7 24 58.0 | 61 56.6 | 150 4.2 | 42.8 | 2.4 | 28 | 10 | 104 | 34 | 0.40 | 0.8 | 1.4 B |
| 12 8 56 8.4 | 61 50.3 | 148 59.7 | 17.7 | 0.4A | 5 | 6 | 253 | 1 | 0.29 | 1.0 | 1.0 A |
| 12 9 47 9.9 | 61 52.4 | 149 15.8 | 8.1 | 0.3A | 8 | 8 | 218 | 16 | 0.40 | 1.0 | 1.0 A |
| 12 11 36 16.4 | 60 28.2 | 142 56.0 | 0.2 | 1.0 | 14 | 8 | 90 | 5 | 0.75 | 0.6 | 24.6 D |
| 12 11 42 34.5 | 60 27.6 | 143 0.9 | 3.8 | 0.7A | 4 | 3 | 229 | 9 | 0.40 | 1.5 | 4.4 C |
| 12 15 7 6.2 | 59 17.5 | 136 54.6 | 16.1 | 1.6 | 4 | 4 | 343 | 113 | 0.17 | 15.4 | 4.4 D |
| 12 16 5 46.0 | 61 50.9 | 148 56.9 | 19.4 | 0.6 | 4 | 4 | 239 | 2 | 0.11 | 1.2 | 1.2 A |
| 12 16 50 54.5 | 59 35.5 | 136 42.5 | 0.8 | 1.9 | 7 | 3 | 224 | 124 | 0.24 | 7.6 | 5.0 D |
| 12 19 27 35.4 | 61 51.1 | 148 55.1 | 17.0 | 0.4A | 4 | 4 | 218 | 3 | 0.21 | 1.1 | 1.4 B |
| 13 4 8 20.5 | 58 17.3 | 152 44.0 | 49.7 | 3.0 | 10 | 3 | 167 | 62 | 0.52 | 3.3 | 12.8 D |
| 13 5 11 33.4 | 61 27.8 | 149 19.5 | 17.7 | 1.0A | 12 | 11 | 98 | 18 | 0.39 | 0.4 | 0.8 A |
| 13 5 21 28.5 | 61 48.3 | 150 7.7 | 45.8 | 2.4 | 25 | 15 | 155 | 19 | 0.56 | 0.6 | 0.7 A |
| 13 9 29 21.0 | 60 7.5 | 141 33.9 | 6.3 | 0.4A | 9 | 4 | 144 | 6 | 0.46 | 0.6 | 1.1 A |
| 14 11 7 53.5 | 60 15.5 | 141 10.6 | 16.1 | 1.0 | 16 | 10 | 115 | 14 | 0.28 | 0.4 | 0.6 A |
| 14 12 21 14.2 | 61 20.8 | 140 40.3 | 4.7 | 0.6A | 7 | 2 | 176 | 27 | 0.31 | 1.8 | 4.6 C |
| 14 12 39 24.8 | 61 51.8 | 149 33.8 | 48.5 | 2.0 | 21 | 10 | 162 | 29 | 0.35 | 0.6 | 0.8 A |
| 14 18 19 19.0 | 60 31.5 | 143 0.9 | 2.9 | 1.5 | 14 | 9 | 90 | 12 | 0.69 | 0.5 | 3.6 C |
| 14 22 57 21.1 | 61 52.7 | 149 55.0 | 50.0 | 2.7 | 26 | 8 | 163 | 25 | 0.36 | 0.9 | 1.1 A |
| 15 12 51 59.7 | 61 40.8 | 151 12.3 | 77.4 | 3.2 | 27 | 6 | 76 | 34 | 0.39 | 1.0 | 1.6 B |
| 3.2 ML ATWC | | | | | | | | | | | |
| 15 20 31 32.2 | 59 53.9 | 139 14.3 | 14.8 | 1.2 | 6 | 5 | 210 | 23 | 0.54 | 2.1 | 1.9 B |
| 16 3 7 20.1 | 59 56.1 | 140 37.1 | 2.7 | 1.0 | 8 | 3 | 179 | 27 | 0.53 | 1.3 | 3.5 C |
| 16 10 46.5 | 59 5.1 | 153 14.2 | 81.9 | 2.2 | 11 | 6 | 162 | 30 | 0.27 | 1.5 | 1.9 B |
| 16 3 44 11.2 | 61 11.8 | 48.8 | 0.8A | 3 | 7 | 3 | 227 | 8 | 0.05 | 1.4 | 2.3 B |
| 16 4 2 5.0 | 59 57.7 | 140 43.2 | 8.7 | 0.9 | 7 | 3 | 178 | 28 | 0.86 | 2.6 | 4.2 C |
| 16 8 59 38.0 | 61 48.9 | 148 53.0 | 14.7 | 2.2 | 31 | 12 | 147 | 5 | 0.66 | 0.5 | 0.4 A |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - SEPTEMBER 1984

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - SEPTEMBER 1984

| 1984 | ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEZ | Q | AZ1 | DIP1 | SEJ | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | |
|--------|-------------|-----|------|------|------|-------|------|------|-----|-----|------|------|-----|------|-----|------|-----|-----|------|-----|-----|------|-----|------|
| | | HR | MIN | SEC | DEG | MIN | KM | DEG | MIN | KM | DEG | DEG | KM | DEG | DEG | KM | DEG | DEG | KM | DEG | DEG | KM | | |
| SEP 21 | 3 27 20.7 | 60 | 2.8 | 140 | 4.0 | 17.2 | 1.5 | 9 | 6 | 161 | 0.96 | 1.9 | 0.7 | B | 122 | 14 | 0.5 | 29 | 14 | 3.6 | 256 | 70 | 1.0 | |
| 21 | 6 37 38.3 | 60 | 14.5 | 140 | 18.5 | 10.5 | 0.9 | 8 | 4 | 181 | 0.51 | 2.4 | 1.9 | B | 294 | 10 | 0.9 | 196 | 37 | 5.4 | 37 | 51 | 1.7 | |
| 21 | 7 21 46.9 | 60 | 17.5 | 142 | 45.1 | 17.7 | 1.0A | 6 | 5 | 189 | 1.1 | 0.30 | 1.5 | 1.2 | B | 1 | 1.1 | 96 | 25 | 3.0 | 249 | 62 | 2.0 | |
| 21 | 9 34 57.7 | 60 | 9.1 | 141 | 8.6 | 2.0 | 0.3 | 4 | 4 | 149 | 6 | 0.26 | 0.8 | 5.0 | C | 0 | 0 | 0.9 | 270 | 9 | 0.6 | 90 | 81 | 9.5 |
| 21 | 17 45 58.6 | 61 | 46.8 | 149 | 2.0 | 14.2 | 1.1 | 17 | 11 | 108 | 6 | 0.39 | 0.4 | 0.4 | A | 334 | 9 | 0.7 | 261 | 43 | 0.4 | 74 | 44 | 0.9 |
| 21 | 18 33 56.6 | 60 | 19.3 | 153 | 38.1 | 181.3 | 3.7 | 18 | 6 | 102 | 48 | 0.30 | 1.8 | 2.5 | B | 261 | 1 | 2.5 | 148 | 3 | 2.7 | 6 | 67 | 4.3 |
| 21 | 18 54 58.8 | 60 | 1.5 | 152 | 5.8 | 76.3 | 2.5 | 20 | 9 | 104 | 44 | 0.60 | 1.2 | A | 8 | 3 | 1.1 | 99 | 13 | 0.9 | 265 | 77 | 2.3 | |
| 21 | 20 7 48.5 | 61 | 49.7 | 150 | 37.6 | 50.2 | 2.5 | 26 | 11 | 151 | 41 | 0.40 | 0.6 | 0.9 | A | 86 | 3 | 0.6 | 176 | 7 | 1.2 | 333 | 82 | 1.6 |
| 21 | 22 48 40.7 | 59 | 58.9 | 141 | 8.1 | 4.8 | 1.8 | 18 | 12 | 161 | 9 | 0.56 | 0.5 | 0.6 | A | 109 | 7 | 0.4 | 203 | 32 | 0.7 | 8 | 57 | 1.3 |
| 22 | 0 31 40.4 | 59 | 58.0 | 141 | 46.3 | 12.9 | 1.0 | 16 | 6 | 179 | 16 | 0.51 | 1.0 | 0.8 | A | 99 | 1 | 0.6 | 8 | 32 | 2.0 | 191 | 58 | 1.3 |
| 22 | 1 8 34.8 | 59 | 56.7 | 141 | 45.5 | 10.8 | 1.5 | 16 | 8 | 181 | 18 | 0.54 | 0.9 | 0.8 | A | 275 | 2 | 0.6 | 6 | 3 | 1.8 | 182 | 55 | 1.2 |
| 22 | 1 57 58.8 | 61 | 21.0 | 149 | 27.1 | 45.7 | 2.0 | 30 | 12 | 59 | 13 | 0.51 | 0.3 | 0.7 | A | 295 | 0 | 0.6 | 205 | 8 | 0.6 | 25 | 82 | 1.4 |
| 22 | 2 46 38.5 | 59 | 53.9 | 139 | 10.5 | 16.4 | 1.2 | 10 | 4 | 214 | 26 | 0.53 | 2.6 | 1.5 | B | 133 | 5 | 0.9 | 225 | 24 | 5.3 | 32 | 65 | 1.9 |
| 22 | 14 37.0 | 61 | 48.1 | 148 | 59.7 | 15.4 | 1.8 | 28 | 9 | 101 | 4 | 0.85 | 0.5 | 0.5 | A | 166 | 19 | 0.9 | 267 | 27 | 0.5 | 46 | 56 | 1.1 |
| 22 | 18 2 26.2 | 60 | 9.9 | 152 | 20.9 | 84.4 | 3.3 | 20 | 8 | 98 | 26 | 0.32 | 0.8 | 1.1 | A | 358 | 12 | 1.0 | 94 | 25 | 1.3 | 245 | 62 | 2.3 |
| | | | | | | 3.9 | ML | ATWC | | | | | | | | | | | | | | | | |
| 22 | 19 15 53.3 | 58 | 35.5 | 137 | 39.0 | 10.8 | 2.1 | 10 | 6 | 170 | 119 | 0.70 | 5.7 | 2.3 | C | 81 | 3 | 9.1 | 137 | 21 | 1.9 | 344 | 51 | 3.5 |
| 22 | 21 17 2.2 | 60 | 51.2 | 143 | 15.4 | 12.6 | 1.4 | 22 | 8 | 91 | 50 | 0.99 | 0.3 | 1.5 | B | 348 | 1 | 0.6 | 261 | 2 | 0.5 | 105 | 86 | 2.8 |
| 23 | 4 1 2.8 | 61 | 13.6 | 145 | 22.0 | 25.9 | 2.8 | 40 | 8 | 53 | 2 | 0.67 | 0.4 | 0.5 | A | 31 | 0 | 0.7 | 301 | 2 | 0.6 | 121 | 88 | 0.9 |
| 23 | 4 13 45.6 | 61 | 47.3 | 149 | 5.4 | 10.3 | 0.8 | 2 | 10 | 129 | 8 | 0.64 | 0.5 | 0.7 | A | 347 | 5 | 0.7 | 261 | 0.5 | 0.5 | 84 | 54 | 1.5 |
| 23 | 4 59 57.2 | 60 | 11.4 | 141 | 8.8 | 2.1 | 0.7 | 13 | 5 | 108 | 7 | 0.36 | 0.6 | 0.9 | A | 294 | 5 | 0.5 | 26 | 29 | 0.8 | 195 | 61 | 1.9 |
| 23 | 12 11 44.3 | 60 | 11.7 | 139 | 35.7 | 12.1 | 1.9 | 14 | 5 | 201 | 27 | 0.54 | 1.4 | 1.4 | B | 316 | 11 | 0.8 | 56 | 42 | 1.4 | 214 | 46 | 3.5 |
| 23 | 12 42 47.7 | 60 | 30.3 | 144 | 42.1 | 15.8 | 0.8 | 15 | 9 | 101 | 13 | 0.44 | 0.8 | 0.7 | A | 108 | 24 | 0.6 | 358 | 37 | 0.9 | 223 | 43 | 1.8 |
| 23 | 13 38 14.3 | 60 | 17.5 | 152 | 54.5 | 132.6 | 3.4 | 19 | 4 | 78 | 13 | 0.47 | 1.2 | 1.6 | B | 312 | 4 | 2.2 | 221 | 11 | 1.6 | 62 | 78 | 3.0 |
| 23 | 19 10 16.2 | 58 | 50.6 | 142 | 38.6 | 32.6 | 1.8A | 9 | 5 | 266 | 138 | 0.78 | 4.2 | 25.0 | D | 310 | 0 | 4.1 | 220 | 1 | 7.6 | 40 | 89 | 99.0 |
| 23 | 19 57 22.7 | 60 | 12.1 | 144 | 54.5 | 26.0 | 0.7 | 10 | 9 | 227 | 24 | 0.53 | 1.0 | 0.7 | A | 111 | 19 | 0.7 | 12 | 24 | 1.9 | 235 | 59 | 1.1 |
| 23 | 22 19 38.8 | 61 | 46.3 | 149 | 9.6 | 14.5 | 0.7 | 15 | 11 | 132 | 12 | 0.55 | 0.5 | 0.7 | A | 169 | 3 | 0.8 | 261 | 37 | 0.5 | 75 | 53 | 1.6 |
| 24 | 1 55 15.8 | 61 | 14.9 | 152 | 18.0 | 10.1 | 0.1A | 3 | 3 | 308 | 8 | 0.08 | 2.2 | 2.2 | B | 184 | 6 | 2.6 | 279 | 41 | 3.8 | 87 | 48 | 4.5 |
| 24 | 3 39 14.8 | 59 | 55.5 | 141 | 0.6 | 5.5 | 1.9 | 17 | 6 | 170 | 17 | 0.38 | 0.9 | 1.2 | A | 120 | 11 | 0.6 | 217 | 31 | 1.2 | 13 | 57 | 2.6 |
| 24 | 5 53 1.0 | 61 | 31.0 | 152 | 1.7 | 8.0 | 8 | 7 | 193 | 23 | 0.88 | 1.6 | 1.0 | B | 284 | 16 | 3.1 | 20 | 22 | 0.8 | 161 | 62 | 1.9 | |
| 24 | 5 58 18.9 | 60 | 44.1 | 147 | 31.0 | 35.2 | 2.3 | 32 | 13 | 58 | 28 | 0.46 | 0.5 | 0.4 | A | 97 | 10 | 0.5 | 195 | 43 | 0.9 | 357 | 45 | 0.8 |
| 24 | 8 24 52.7 | 60 | 40.2 | 145 | 2.7 | 24.3 | 0.7A | 8 | 5 | 135 | 10 | 0.43 | 1.0 | 1.1 | A | 8 | 9 | 1.2 | 105 | 37 | 1.6 | 267 | 52 | 2.2 |
| 24 | 10 20 32.4 | 60 | 5.6 | 152 | 59.9 | 122.6 | 2.7 | 14 | 8 | 135 | 14 | 0.24 | 1.3 | 1.7 | B | 35 | 3 | 1.8 | 125 | 13 | 2.3 | 292 | 77 | 3.2 |
| 24 | 12 23 21.7 | 60 | 28.7 | 143 | 16.5 | 4.9 | 0.4 | 4 | 3 | 145 | 24 | 0.38 | 2.5 | 13.9 | D | 358 | 3 | 1.5 | 268 | 8 | 2.6 | 108 | 81 | 26.3 |
| 24 | 13 48 39.8 | 61 | 29.5 | 149 | 54.2 | 40.5 | 3.0 | 32 | 4 | 61 | 18 | 0.32 | 0.6 | 1.2 | A | 83 | 2 | 0.7 | 173 | 12 | 1.0 | 344 | 78 | 2.2 |
| | | | | | | 3.3 | ML | ATWC | | | | | | | | | | | | | | | | |
| 24 | 16 59 55.3 | 61 | 14.3 | 149 | 21.0 | 29.0 | 0.6A | 6 | 4 | 117 | 11 | 0.55 | 1.0 | 2.1 | B | 215 | 3 | 1.9 | 125 | 32 | 1.6 | 319 | 78 | 4.1 |
| 24 | 17 1 40.2 | 61 | 4.9 | 152 | 21.7 | 15.3 | 0.6 | 4 | 4 | 206 | 20 | 0.23 | 3.1 | 4.5 | C | 200 | 4 | 1.1 | 292 | 30 | 3.8 | 103 | 60 | 9.6 |
| 24 | 18 53 33.8 | 61 | 34.0 | 140 | 36.4 | 4.3 | 1.4 | 6 | 3 | 267 | 78 | 0.17 | 3.7 | 25.0 | D | 110 | 1 | 3.0 | 20 | 2 | 5.9 | 227 | 88 | 99.0 |
| 24 | 18 58 13.0 | 60 | 22.2 | 145 | 7.9 | 6.7 | 0.6 | 7 | 3 | 206 | 19 | 0.48 | 1.6 | 2.9 | C | 121 | 1 | 1.3 | 211 | 8 | 2.9 | 24 | 82 | 5.4 |
| 24 | 21 40 24.0 | 61 | 26.1 | 150 | 26.4 | 13.9 | 1.0A | 6 | 6 | 102 | 16 | 0.42 | 0.9 | 0.8 | A | 107 | 12 | 0.9 | 12 | 20 | 1.8 | 226 | 66 | 1.4 |
| 24 | 21 48 11.9 | 61 | 49.3 | 148 | 59.8 | 18.8 | 0.7 | 10 | 8 | 121 | 2 | 0.40 | 1.2 | 1.0 | A | 134 | 1 | 1.4 | 81 | 33 | 2.1 | 225 | 42 | 1.0 |
| 24 | 21 53 0.8 | 60 | 13.3 | 140 | 39.3 | 14.9 | 1.0 | 6 | 2 | 167 | 22 | 0.19 | 2.9 | 2.4 | C | 283 | 1 | 1.2 | 192 | 37 | 6.7 | 14 | 53 | 2.2 |
| 24 | 22 21 47.8 | 61 | 8.0 | 152 | 16.5 | 20.7 | 0.5A | 3 | 3 | 318 | 13 | 0.42 | 3.4 | 3.2 | C | 197 | 2 | 2.7 | 105 | 40 | 7.1 | 289 | 50 | 5.0 |
| 25 | 1 18 59.4 | 61 | 48.5 | 149 | 1.3 | 19.7 | 0.7 | 6 | 6 | 122 | 4 | 0.26 | 0.9 | 1.1 | A | 308 | 8 | 1.1 | 81 | 40 | 2.1 | 212 | 34 | 1.0 |
| 25 | 4 31 58.7 | 61 | 32.4 | 151 | 16.6 | 68.2 | 2.2 | 19 | 11 | 108 | 30 | 0.44 | 1.6 | B | 81 | 16 | 0.8 | 165 | 18 | 1.5 | 307 | 65 | 3.1 | |
| 25 | 17 35 18.6 | 61 | 23.4 | 146 | 30.6 | 22.0 | 2.0 | 27 | 18 | 111 | 30 | 0.71 | 0.4 | 0.6 | A | 273 | 8 | 0.5 | 5 | 10 | 0.7 | 145 | 77 | 1.1 |
| 25 | 17 49 56.6 | 59 | 47.0 | 152 | 33.3 | 76.1 | 2.1 | 14 | 8 | 149 | 47 | 0.29 | 0.8 | 1.3 | A | 95 | 7 | 1.0 | 186 | 7 | 1.4 | 321 | 80 | 2.5 |
| 25 | 18 54 27.2 | 60 | 13.5 | 141 | 0.5 | 9.7 | 1.6 | 16 | 12 | 121 | 8 | 0.30 | 0.7 | 0.5 | A | 307 | 17 | 0.6 | 81 | 41 | 0.6 | 206 | 31 | 1.4 |
| 25 | 21 37 55.8 | 60 | 21.7 | 141 | 18.8 | 16.0 | 1.3 | 11 | 7 | 116 | 24 | 0.34 | 0.7 | 0.9 | A | 326 | 12 | 0.6 | 81 | 23 | 0.8 | 215 | 55 | 1.8 |
| 25 | 23 47 26.5 | 61 | 46.5 | 149 | 3.9 | 12.2 | 1.3 | 23 | 15 | 115 | 7 | 0.09 | 0.4 | 0.4 | A | 344 | 3 | 0.6 | 261 | 39 | 0.4 | 78 | 50 | 1.0 |

Felt (II) at Anchorage.

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - SEPTEMBER 1984

| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | GAP | D1 | RMS | SEH | SEZ Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | |
|------------------|-------|--------|---------|---------|-------|-------|------|----|------|------|-------|------|------|-----|-----|------|------|-----|------|-----|-----|
| 1984 | HR MN | SEC | DEG MIN | DEG MIN | DEG | MIN | DEG | KM | DEG | KM | SEC | DEG | DEG | DEG | DEG | DEG | DEG | DEG | DEG | DEG | |
| SEP 26 0 19 52.0 | 61 | 47.3 | 149 | 2.7 | 14.9 | 0.7 | 8 | 6 | 14.4 | 7 | 0.46 | 0.9 | 116 | 1 | 1.5 | 25 | 44 | 2.2 | 207 | 0.8 | |
| 26 1 41 58.1 | 60 | 16.6 | 141 | 9.7 | 15.9 | 0.9 | 9 | 6 | 11.8 | 15 | 0.32 | 1.0 | 144 | 14 | 0.8 | 56 | 29 | 1.0 | 205 | 57 | |
| 26 3 21 23.8 | 61 | 5.7 | 152 | 16.5 | 10.6 | 0.7 | 6 | 4 | 18.2 | 15 | 0.34 | 2.4 | 2.7 | C | 201 | 20 | 0.8 | 304 | 32 | 3.1 | |
| 26 3 55 2.2 | 61 | 7.3 | 152 | 15.1 | 7.8 | 0.4A | 3 | 3 | 320 | 13 | 0.04 | 3.1 | 4.5 | C | 342 | 6 | 2.5 | 261 | 32 | 2.7 | |
| 26 4 18 33.0 | 62 | 38.8 | 151 | 14.4 | 75.9 | 2.6 | 18 | 2 | 19.3 | 76 | 0.29 | 5.2 | 5.6 | D | 326 | 21 | 6.6 | 81 | 29 | 3.3 | |
| 26 6 40 17.5 | 60 | 32.0 | 145 | 19.2 | 13.4 | 1.3 | 16 | 6 | 16.0 | 6 | 0.40 | 0.6 | 0.6 | A | 281 | 10 | 0.8 | 182 | 40 | 1.3 | |
| 26 7 34 37.7 | 59 | 35.7 | 152 | 51.4 | 98.5 | 2.7 | 16 | 5 | 12.8 | 43 | 0.33 | 1.3 | 2.6 | B | 81 | 12 | 1.7 | 161 | 13 | 2.2 | |
| 26 8 29 41.8 | 60 | 22.5 | 140 | 47.6 | 12.5 | 1.0 | 7 | 6 | 16.0 | 28 | 0.43 | 1.2 | 3.9 | C | 81 | 5 | 1.2 | 337 | 12 | 1.0 | |
| 26 16 59 26.8 | 62 | 38.0 | 148 | 44.3 | 40.0 | 2.4 | 25 | 7 | 125 | 89 | 0.51 | 1.3 | 5.5 | D | 110 | 4 | 2.1 | 20 | 9 | 1.6 | |
| 26 19 19 2.0 | 61 | 46.8 | 149 | 0.4 | 13.5 | 1.2 | 15 | 10 | 9.8 | 5 | 0.16 | 0.5 | 0.5 | A | 320 | 28 | 0.9 | 208 | 35 | 0.6 | |
| 26 20 54 59.5 | 61 | 34.8 | 151 | 8.8 | 69.3 | 2.6 | 2.6 | 1 | 7 | 99 | 25 | 0.32 | 1.1 | 2.0 | B | 81 | 14 | 1.1 | 163 | 23 | 1.5 |
| 26 22 36 50.3 | 60 | 19.8 | 141 | 23.0 | 16.9 | 1.6 | 16 | 9 | 11.0 | 20 | 0.33 | 0.7 | 0.9 | A | 326 | 13 | 0.7 | 81 | 20 | 0.9 | |
| 27 1 53 7.7 | 61 | 22.9 | 151 | 36.1 | 10.1 | 1.6 | 18 | 8 | 11.4 | 23 | 1.08 | 0.5 | 0.7 | A | 81 | 7 | 0.4 | 153 | 8 | 0.8 | |
| 27 4 13 6.4 | 61 | 56.6 | 148 | 54.5 | 10.2 | 0.3 | 5 | 3 | 234 | 12 | 0.12 | 1.2 | 1.2 | A | 81 | 16 | 1.4 | 318 | 32 | 1.3 | |
| 27 6 17 27.7 | 60 | 6.2 | 139 | 32.2 | 12.8 | 0.9 | 7 | 4 | 20.8 | 18 | 0.58 | 1.7 | 1.1 | B | 311 | 0 | 0.8 | 221 | 30 | 3.7 | |
| 27 9 2 56.3 | 59 | 52.2 | 153 | 2.1 | 96.1 | 3.2 | 18 | 7 | 62 | 37 | 0.57 | 0.8 | 1.1 | A | 31 | 0 | 1.1 | 120 | 12 | 1.4 | |
| | | | | | 3.5 | ML | ATWC | | | | | | | | | | | | | 301 | |
| 27 11 24 9.3 | 61 | 20.6 | 151 | 35.3 | 20.1 | 0.6A | 6 | 2 | 102 | 23 | 0.45 | 1.0 | 4.4 | C | 129 | 4 | 1.8 | 38 | 6 | 0.8 | |
| 27 11 26 13.5 | 60 | 32.5 | 143 | 4.7 | 4.0 | 0.8 | 9 | 2 | 16 | 0.45 | 0.7 | 7.6 | D | 261 | 1 | 0.8 | 329 | 3 | 13.2 | | |
| 27 11 51 58.5 | 60 | 57.8 | 147 | 15.9 | 17.2 | 2.1 | 32 | 11 | 86 | 13 | 0.49 | 0.4 | 0.5 | A | 184 | 3 | 0.8 | 275 | 12 | 0.4 | |
| 27 12 0 5.7 | 61 | 30.7 | 142 | 16.6 | 8.0 | 1.0 | 5 | 2 | 228 | 53 | 0.14 | 2.5 | 16.0 | D | 111 | 1 | 1.2 | 20 | 8 | 2.1 | |
| 27 16 24 25.4 | 62 | 2.5 | 142 | 2.5 | 33.8 | 1.8 | 9 | 4 | 267 | 113 | 0.48 | 4.3 | 25.0 | D | 100 | 1 | 1.8 | 10 | 4 | 3.7 | |
| 27 17 47 31.6 | 60 | 24.9 | 142 | 58.2 | 30.2 | 1.2A | 5 | 5 | 169 | 68 | 0.31 | 0.7 | 25.0 | D | 269 | 0 | 0.8 | 359 | 0 | 1.2 | |
| 27 21 6 42.2 | 60 | 10.1 | 140 | 55.8 | 10.3 | 1.1 | 17 | 5 | 11.6 | 6 | 0.22 | 0.8 | 0.5 | A | 102 | 15 | 0.5 | 200 | 26 | 1.5 | |
| 27 21 14 49.5 | 60 | 18.8 | 141 | 9.7 | 16.3 | 1.4 | 16 | 6 | 122 | 19 | 0.42 | 0.6 | 0.7 | A | 318 | 17 | 0.5 | 59 | 31 | 0.8 | |
| 28 0 40 45.1 | 60 | 17.7 | 153 | 25.0 | 166.2 | 3.2 | 13 | 4 | 90 | 36 | 0.29 | 1.8 | 2.5 | B | 261 | 9 | 3.1 | 341 | 12 | 2.5 | |
| 28 4 14 42.5 | 60 | 32.4 | 141 | 40.0 | 10.6 | 0.7 | 8 | 4 | 98 | 21 | 0.38 | 0.5 | 1.0 | A | 81 | 3 | 0.9 | 433 | 12 | 0.5 | |
| 28 9 20 18.3 | 61 | 17.3 | 152 | 12.5 | 2.3 | 1.3 | 4 | 2 | 294 | 4 | 0.27 | 2.1 | 1.7 | B | 10 | 26 | 1.4 | 121 | 37 | 4.7 | |
| 28 9 22 19.7 | 61 | 16.6 | 152 | 11.6 | 4.0 | -0.3A | 3 | 3 | 286 | 2 | 0.02 | 1.3 | 0.8 | A | 185 | 5 | 1.1 | 276 | 5 | 2.5 | |
| 28 9 49 51.1 | 60 | 14.2 | 141 | 33.4 | 9.3 | 0.5 | 6 | 2 | 139 | 11 | 0.13 | 1.9 | 1.3 | B | 324 | 13 | 0.6 | 81 | 22 | 2.5 | |
| 28 10 24 8.3 | 62 | 15.6 | 151 | 10.1 | 74.3 | 3.2 | 23 | 4 | 99 | 37 | 0.41 | 1.0 | 1.7 | B | 324 | 12 | 1.3 | 81 | 13 | 1.1 | |
| | | | | | 2.7 | ML | ATWC | | | | | | | | | | | | 204 | | |
| 28 11 43 7.4 | 60 | 9.3 | 151 | 54.0 | 65.5 | 2.2 | 21 | 5 | 87 | 36 | 0.33 | 0.6 | 1.2 | A | 100 | 9 | 0.9 | 9 | 9 | 1.0 | |
| 28 15 9 42.0 | 59 | 55.6 | 140 | 44.6 | 3.0 | 0.9 | 8 | 3 | 191 | 26 | 0.31 | 0.8 | 1.8 | B | 102 | 7 | 0.6 | 194 | 14 | 1.4 | |
| 28 16 35 16.6 | 59 | 31.4 | 138 | 51.3 | 20.9 | 1.0 | 4 | 2 | 231 | 8 | 0.09 | 6.4 | 2.9 | D | 216 | 23 | 13.0 | 108 | 36 | 3.1 | |
| 28 23 24 39.0 | 58 | 4.8 | 151 | 26.0 | 91.1 | 3.0 | 10 | 1 | 214 | 73 | 0.13 | 5.5 | 15.5 | D | 289 | 5 | 6.9 | 21 | 18 | 2.7 | |
| 29 8 2 24.2 | 61 | 48.9 | 150 | 50.4 | 85.1 | 3.1 | 30 | 13 | 85 | 39 | 0.40 | 0.8 | 1.0 | A | 261 | 1 | 0.8 | 169 | 17 | 1.5 | |
| | | | | | 3.0 | ML | ATWC | | | | | | | | | | | | 354 | | |
| 29 8 23 29.5 | 60 | 7.6 | 139 | 42.5 | 15.2 | 1.6 | 10 | 5 | 202 | 20 | 0.51 | 1.9 | 1.1 | B | 303 | 5 | 0.7 | 211 | 26 | 4.0 | |
| 29 10 19 21.7 | 62 | 0.3 | 149 | 31.7 | 45.7 | 2.3 | 30 | 11 | 105 | 35 | 0.55 | 0.6 | 0.9 | A | 278 | 2 | 0.7 | 8 | 19 | 0.9 | |
| 29 14 19 16.1 | 60 | 57.2 | 149 | 49.4 | 43.5 | 3.7 | 33 | 4 | 37 | 35 | 0.43 | 0.5 | 1.7 | B | 261 | 0 | 0.7 | 154 | 1 | 0.8 | |
| 4.6 MB | | | | | 4.2 | ML | ATWC | | | | | | | | | | | | 351 | | |
| 29 15 12 49.0 | 62 | 9.6 | 150 | 17.7 | 50.3 | 2.5 | 29 | 8 | 128 | 61 | 0.50 | 0.8 | 1.4 | B | 90 | 2 | 0.7 | 359 | 11 | 1.5 | |
| 29 16 13 6.1 | 60 | 28.1 | 141 | 18.1 | 9.1 | 1.4 | 16 | 9 | 123 | 27 | 0.40 | 0.4 | 1.0 | A | 355 | 7 | 0.5 | 86 | 7 | 0.7 | |
| 29 21 11 57.7 | 60 | 57.9 | 149 | 50.1 | 41.3 | 3.2 | 32 | 8 | 63 | 46 | 0.41 | 0.4 | 1.7 | B | 166 | 1 | 0.7 | 81 | 2 | 0.6 | |
| 30 3 41 44.4 | 58 | 32.5 | 154 | 33.8 | 19.9 | 2.5 | 9 | 5 | 224 | 110 | 0.56 | 3.7 | 7.5 | D | 347 | 13 | 2.3 | 82 | 19 | 4.1 | |
| 30 7 38 56.8 | 60 | 17.6 | 140 | 46.7 | 10.1 | 2.5 | 15 | 9 | 142 | 21 | 0.47 | 0.4 | 0.7 | A | 93 | 1 | 0.6 | 3 | 27 | 0.5 | |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - SEPTEMBER 1984 | | | | | | | | | | | |
|--|----|----|------|-----|------|------|------|-------|------|-----|------|
| 1984 | HR | MN | SEC | LAT | N | LONG | W | DEPTH | MAG | NP | NS |
| | | | | DEG | MIN | DEG | MIN | KM | DEG | KM | SEC |
| SEP 30 | 7 | 55 | 36.4 | 60 | 18.3 | 140 | 47.3 | 8.7 | 2.2 | 15 | 7 |
| | | | | 140 | 49.6 | 13.9 | 1.1 | 11 | 8 | 164 | 19 |
| 30 | 8 | 16 | 22.9 | 60 | 17.6 | 140 | 49.6 | 13.9 | 1.1 | 11 | 7 |
| | | | | 146 | 39.0 | 21.3 | 2.0 | 29 | 17 | 48 | 27 |
| 30 | 10 | 10 | 27.6 | 61 | 19.5 | 146 | 39.0 | 21.3 | 2.0 | 29 | 17 |
| | | | | 146 | 39.0 | 21.8 | 2.1 | 32 | 19 | 47 | 27 |
| 30 | 10 | 51 | 12.1 | 61 | 18.8 | 146 | 39.0 | 21.8 | 2.1 | 32 | 10 |
| | | | | 152 | 28.9 | 3.9 | 1.9 | 22 | 10 | 101 | 32 |
| 30 | 14 | 23 | 59.7 | 60 | 51.6 | 152 | 31.5 | 3.8 | 1.9 | 22 | 9 |
| | | | | 152 | 31.5 | 31.5 | 3.8 | 33 | 102 | 102 | 33 |
| 30 | 14 | 53 | 24.8 | 60 | 51.9 | 152 | 31.5 | 2.5 | 1.5 | 4 | 41 |
| | | | | 152 | 31.5 | 57.2 | 11.2 | 57.2 | 11.2 | 4 | 0.38 |
| 30 | 17 | 56 | 23.5 | 59 | 40.3 | 152 | 31.5 | 2.5 | 1.5 | 4 | 0.38 |
| | | | | 148 | 59.5 | 14.8 | 1.2 | 15 | 8 | 93 | 4 |
| 30 | 21 | 25 | 39.1 | 61 | 47.3 | 148 | 59.5 | 14.8 | 1.2 | 15 | 8 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - OCTOBER 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DJ | RMS | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | |
|-------------|-----|----|------|------|-------|------|-----|------|-------|------|-----|-----|----------------------------------|------|------|------|------|------|-----|-----|------|-----|-----|-----|
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | KM | DEG | SEC | KM | DEG | SEC | KM | DEG | SEC | KM | DEG | SEC | | |
| OCT | 1 | 1 | 37 | 13.0 | 60 | 19.5 | 140 | 50.0 | 8.6 | 1.1 | 5 | 4 | 174 | 22 | 0.43 | 2.0 | 3.4 | C | 286 | 0 | 0.8 | 16 | 28 | 1.6 |
| | 1 | 2 | 4 | 25.0 | 61 | 47.0 | 148 | 59.9 | 12.4 | 1.9 | 15 | 6 | 94 | 4 | 0.37 | 0.7 | 0.6 | A | 222 | 29 | 0.8 | 108 | 36 | 1.3 |
| | 1 | 2 | 9 | 7.1 | 60 | 2.8 | 152 | 41.8 | 77.4 | 2.5 | 12 | 5 | 116 | 16 | 0.36 | 1.0 | 1.7 | B | 261 | 0 | 1.8 | 169 | 8 | 1.8 |
| | 1 | 9 | 55 | 59.3 | 60 | 11.0 | 141 | 8.9 | 4.6 | 0.7 | 6 | 5 | 135 | 7 | 0.27 | 0.8 | 1.1 | A | 287 | 6 | 0.6 | 20 | 30 | 1.1 |
| | 1 | 15 | 48 | 39.6 | 63 | 1.8 | 151 | 9.6 | 134.9 | 3.2 | 11 | 4 | 127 | 119 | 0.34 | 3.0 | 5.8 | D | 113 | 3 | 2.7 | 22 | 19 | 2.7 |
| | 2 | 3 | 41 | 52.9 | 60 | 42.3 | 140 | 31.1 | 21.8 | 1.3 | 5 | 4 | 224 | 53 | 0.38 | 3.0 | 2.9 | C | 144 | 1 | 1.0 | 81 | 40 | 6.5 |
| | 2 | 4 | 8 | 20.4 | 60 | 1.4 | 152 | 45.3 | 100.1 | 2.5 | 18 | 10 | 74 | 18 | 0.41 | 0.9 | 1.5 | B | 45 | 3 | 1.2 | 135 | 12 | 1.7 |
| | 2 | 15 | 30 | 25.1 | 60 | 54.0 | 152 | 28.2 | 0.3 | 1.8 | 18 | 12 | 103 | 36 | 0.68 | 1.1 | 0.8 | A | 81 | 3 | 1.1 | 328 | 16 | 0.9 |
| | 2 | 17 | 51 | 24.5 | 59 | 44.8 | 139 | 26.8 | 30.0 | 1.0 | 6 | 2 | 160 | 9 | 0.52 | 4.7 | 2.3 | C | 81 | 1 | 7.2 | 317 | 3 | 1.2 |
| | 2 | 18 | 5 | 34.8 | 62 | 16.0 | 151 | 4.0 | 74.9 | 2.7 | 19 | 3 | 99 | 40 | 0.64 | 1.3 | 1.9 | B | 81 | 13 | 1.7 | 337 | 16 | 2.2 |
| | 2 | 19 | 24 | 37.3 | 60 | 39.7 | 151 | 48.8 | 14.0 | 1.2 | 9 | 8 | 126 | 33 | 0.71 | 0.6 | 0.9 | A | 343 | 8 | 1.1 | 81 | 13 | 0.8 |
| | 3 | 1 | 4 | 33.5 | 61 | 32.0 | 151 | 52.5 | 7.8 | 1.0A | 5 | 4 | 173 | 33 | 0.50 | 2.6 | 1.1 | B | 289 | 9 | 5.0 | 22 | 15 | 0.7 |
| | 3 | 1 | 5 | 59.1 | 61 | 48.5 | 148 | 57.2 | 8.1 | -0.1 | 4 | 4 | 190 | 3 | 0.20 | 1.2 | 0.9 | A | 145 | 33 | 1.0 | 261 | 34 | 2.6 |
| | 3 | 1 | 39 | 23.7 | 62 | 15.2 | 151 | 18.3 | 96.4 | 2.9 | 20 | 7 | 172 | 33 | 0.57 | 1.2 | 1.6 | B | 276 | 3 | 1.2 | 8 | 29 | 2.0 |
| | 3 | 3 | 51 | 39.3 | 61 | 41.3 | 151 | 2.9 | 63.6 | 2.5 | 23 | 11 | 118 | 30 | 0.52 | 0.6 | 0.9 | A | 81 | 13 | 0.7 | 174 | 18 | 1.1 |
| | 3 | 6 | 53 | 10.2 | 59 | 56.2 | 153 | 42.3 | 143.0 | 3.0 | 12 | 4 | 126 | 32 | 0.14 | 1.7 | 1.7 | B | 122 | 30 | 3.2 | 261 | 36 | 2.5 |
| | 3 | 7 | 14 | 34.8 | 61 | 31.3 | 146 | 27.6 | 25.7 | 2.5 | 32 | 8 | 77 | 29 | 0.85 | 0.4 | 0.8 | A | 18 | 2 | 0.8 | 288 | 4 | 0.5 |
| | 3 | 7 | 16 | 0.0 | 61 | 32.5 | 146 | 21.7 | 35.7 | 2.1 | 25 | 9 | 83 | 24 | 0.59 | 0.4 | 0.4 | A | 261 | 16 | 0.6 | 155 | 33 | 0.7 |
| | 3 | 9 | 46 | 45.1 | 60 | 19.0 | 140 | 43.7 | 13.1 | 1.1 | 12 | 6 | 148 | 25 | 0.44 | 0.7 | 1.0 | A | 313 | 13 | 0.5 | 50 | 26 | 0.7 |
| | 3 | 12 | 9 | 3.5 | 60 | 16.1 | 141 | 48.0 | 8.2 | 0.9 | 7 | 3 | 85 | 11 | 0.21 | 0.7 | 1.0 | A | 309 | 9 | 0.7 | 213 | 31 | 0.8 |
| | 3 | 12 | 58 | 21.4 | 59 | 45.3 | 139 | 20.7 | 16.0 | 0.8 | 5 | 3 | 178 | 10 | 0.32 | 2.4 | 1.2 | B | 321 | 14 | 0.6 | 261 | 26 | 3.9 |
| | 3 | 14 | 56 | 2.4 | 60 | 4.1 | 152 | 40.5 | 93.3 | 2.6 | 18 | 8 | 71 | 15 | 0.49 | 0.6 | 1.2 | A | 35 | 2 | 0.9 | 126 | 4 | 1.1 |
| | 3 | 17 | 39 | 33.3 | 60 | 16.2 | 141 | 34.3 | 8.9 | 1.4 | 16 | 4 | 95 | 14 | 0.45 | 0.6 | 0.7 | A | 144 | 5 | 0.6 | 81 | 37 | 0.7 |
| | 3 | 19 | 17 | 24.2 | 62 | 44.2 | 143 | 47.5 | 15.8 | 2.6 | 16 | 8 | 93 | 89 | 0.45 | 2.9 | 3.4 | C | 261 | 21 | 3.0 | 154 | 31 | 1.3 |
| | | | | | | | 3.0 | ML | ATWC | | | | FELT (III) AT SLANA AND NABESNA. | | | | | | | | | | | |
| | 3 | 20 | 43 | 51.9 | 61 | 16.7 | 152 | 11.9 | 3.8 | 0.4 | 3 | 3 | 288 | 3 | 0.04 | 1.4 | 0.9 | B | 186 | 2 | 1.2 | 96 | 3 | 2.5 |
| | 3 | 21 | 2 | 2.2 | 61 | 50.9 | 149 | 19.3 | 5.4 | 2.2 | 31 | 7 | 94 | 19 | 0.60 | 0.4 | 0.6 | A | 185 | 3 | 0.8 | 276 | 27 | 0.5 |
| | 3 | 21 | 29 | 14.5 | 60 | 18.0 | 141 | 17.1 | 18.5 | 1.4 | 15 | 5 | 113 | 20 | 0.24 | 0.6 | 0.9 | A | 41 | 11 | 0.8 | 305 | 27 | 0.6 |
| | 3 | 23 | 1 | 25.9 | 60 | 27.5 | 141 | 8.8 | 13.4 | 0.9A | 7 | 5 | 168 | 35 | 0.40 | 0.5 | 1.5 | B | 84 | 7 | 0.9 | 353 | 9 | 0.7 |
| | 4 | 0 | 33 | 46.0 | 60 | 14.3 | 140 | 58.2 | 12.3 | 1.3 | 17 | 6 | 125 | 10 | 0.18 | 0.6 | 0.7 | A | 297 | 8 | 0.6 | 35 | 41 | 0.8 |
| | 4 | 1 | 32 | 47.6 | 61 | 28.2 | 151 | 10.5 | 14.9 | 0.9A | 4 | 2 | 144 | 23 | 0.30 | 7.7 | 11.6 | D | 224 | 15 | 0.9 | 323 | 29 | 1.1 |
| | 4 | 5 | 5 | 21.5 | 61 | 50.3 | 149 | 13.1 | 5.0 | 0.0A | 3 | 2 | 335 | 13 | 0.28 | 3.6 | 10.3 | D | 291 | 13 | 1.9 | 198 | 13 | 2.6 |
| | 4 | 5 | 24 | 12.1 | 61 | 3.1 | 140 | 38.3 | 9.4 | 0.9A | 5 | 4 | 246 | 39 | 0.17 | 1.7 | 5.9 | D | 121 | 5 | 1.0 | 30 | 10 | 2.4 |
| | 4 | 6 | 41 | 58.6 | 58 | 4.4 | 139 | 39.6 | 13.4 | 2.5 | 5 | 313 | 160 | 0.47 | 25.0 | 25.0 | D | 292 | 16 | 8.6 | 31 | 30 | 5.6 | |
| | 4 | 9 | 53 | 47.0 | 61 | 49.5 | 148 | 57.4 | 11.4 | 0.1A | 3 | 3 | 175 | 2 | 0.07 | 1.8 | 1.3 | B | 351 | 8 | 1.9 | 261 | 34 | 3.8 |
| | 4 | 13 | 13 | 39.5 | 60 | 9.7 | 153 | 1.0 | 121.2 | 2.8 | 16 | 4 | 105 | 11 | 0.21 | 1.2 | 2.0 | B | 151 | 7 | 2.1 | 81 | 19 | 1.3 |
| | 4 | 16 | 3 | 4.0 | 61 | 50.0 | 148 | 56.0 | 15.4 | 1.9 | 28 | 9 | 150 | 2 | 0.83 | 0.6 | 0.6 | A | 173 | 7 | 1.0 | 265 | 15 | 0.6 |
| | 4 | 16 | 30 | 46.6 | 61 | 49.4 | 148 | 51.1 | 13.6 | 0.1A | 4 | 4 | 168 | 6 | 0.09 | 1.0 | 2.1 | B | 28 | 8 | 1.6 | 121 | 19 | 1.1 |
| | 4 | 16 | 38 | 13.2 | 60 | 50.9 | 152 | 36.3 | 7.4 | 0.6 | 5 | 2 | 198 | 32 | 0.57 | 1.5 | 1.5 | B | 7 | 16 | 0.6 | 264 | 39 | 2.1 |
| | 4 | 18 | 15 | 9.0 | 60 | 9.8 | 141 | 45.7 | 8.7 | 0.7 | 5 | 3 | 131 | 16 | 0.20 | 2.1 | 2.1 | B | 322 | 9 | 1.2 | 261 | 43 | 2.6 |
| | 4 | 18 | 43 | 31.8 | 59 | 36.5 | 138 | 48.9 | 7.6 | 1.1 | 6 | 1 | 241 | 18 | 0.32 | 3.6 | 5.2 | C | 342 | 18 | 1.0 | 81 | 24 | 4.6 |
| | 4 | 19 | 33 | 50.5 | 60 | 14.7 | 141 | 36.1 | 7.7 | 1.3 | 20 | 5 | 92 | 13 | 0.59 | 0.4 | 0.6 | A | 285 | 3 | 0.5 | 16 | 10 | 0.7 |
| | 4 | 22 | 41 | 4.9 | 59 | 8.4 | 151 | 48.1 | 52.2 | 3.5 | 16 | 2 | 145 | 39 | 0.24 | 1.5 | 2.7 | B | 261 | 4 | 1.6 | 328 | 4 | 2.4 |
| | 4.6 | MB | | | | | 4.3 | ML | ATWC | | | | FELT (III) AT HOMER. | | | | | | | | | | | |
| | 5 | 2 | 53 | 16.9 | 60 | 5.2 | 141 | 39.2 | 12.0 | 0.8 | 12 | 7 | 167 | 12 | 0.48 | 0.6 | 0.6 | A | 261 | 11 | 0.6 | 355 | 42 | 1.0 |
| | 5 | 7 | 53 | 25.7 | 61 | 15.4 | 152 | 11.2 | 2.8 | -0.1 | 3 | 3 | 275 | 2 | 0.04 | 1.1 | 0.9 | A | 183 | 14 | 0.8 | 281 | 27 | 2.2 |
| | 5 | 8 | 19 | 59.8 | 60 | 2.8 | 141 | 47.5 | 8.8 | 0.8 | 10 | 8 | 172 | 13 | 0.68 | 0.5 | 0.6 | A | 182 | 3 | 1.0 | 91 | 5 | 0.6 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - OCTOBER 1984

| ORIGIN TIME 1984 | LAT N HR MN SEC | LONG W DEG MIN SEC | DEPTH KM | MAG NP | NS SEC | DI KM | RMS KM | SEI KM | SOUTHERN ALASKA - OCTOBER 1984 | | | |
|---------------------|-----------------------|--------------------------|-------------|-----------|-----------|----------|-----------|-----------|--------------------------------|------------|-------------|-----------|
| | | | | | | | | | SEZ Q KM | AZ1 DEG | DIP1 DEG | SE2 KM |
| 05 13 33 4.1 | 60 58.8 | 150 12.5 | 45.8 | 2.1 | 30 13 | 4.1 | 46 | 0.49 | 1.2 A | 263 | 0 | 0.7 |
| 05 23 38 37.5 | 61 55.0 | 149 6.6 | 10.3 | 0.9 | 13 8 | 192 | 12 | 0.57 | 1.2 A | 12 | 2 | 0.7 |
| 06 1 35 58.5 | 62 19.4 | 149 5.5 | 45.0 | 2.7 | 27 7 | 118 | 55 | 0.48 | 0.8 | 1.6 B | 81 | 11 |
| 06 12 56 49.6 | 60 20.4 | 141 16.2 | 18.6 | 1.1 | 10 7 | 118 | 24 | 0.70 | 0.6 | 0.9 A | 325 | 13 |
| 07 1 40 14.1 | 59 58.7 | 151 14.9 | 50.2 | 2.2 | 22 10 | 159 | 8 | 0.41 | 1.2 | 0.9 A | 86 | 7 |
| 07 3 23 33.2 | 59 13.4 | 153 35.0 | 98.9 | 2.8 | 11 4 | 173 | 15 | 0.19 | 1.4 | 1.3 B | 15 | 21 |
| 07 6 42 14.3 | 59 52.1 | 153 15.2 | 117.6 | 3.0 | 16 5 | 43 | 0.27 | 1.4 | 1.4 B | 81 | 13 | |
| 07 13 38 23.5 | 61 23.9 | 140 9.3 | 0.5 | 1.0A | 6 4 | 269 | 80 | 0.47 | 1.8 | 25.0 D | 289 | 0 |
| 07 22 3 8.2 | 60 23.4 | 141 25.5 | 16.9 | 1.8 | 19 9 | 111 | 18 | 0.50 | 0.5 | 0.9 A | 81 | 4 |
| 07 22 35 12.0 | 62 16.8 | 151 3.7 | 74.7 | 2.6 | 21 6 | 171 | 41 | 0.46 | 1.3 | 1.4 B | 171 | 10 |
| 07 23 42 46.0 | 59 57.8 | 140 5.6 | 11.6 | 2.1 | 14 8 | 145 | 17 | 0.70 | 1.1 | 0.7 A | 296 | 5 |
| 08 0 51 47.6 | 60 15.9 | 140 53.4 | 10.5 | 1.2 | 8 4 | 158 | 15 | 0.15 | 1.3 | 1.3 B | 305 | 19 |
| 08 3 50 26.9 | 60 8.8 | 141 34.6 | 7.3 | 1.3 | 5 3 | 227 | 6 | 0.43 | 2.9 | 0.9 C | 45 | 10 |
| 08 17 47 22.3 | 60 1.6 | 142 42.0 | 26.6 | 1.5 | 17 5 | 159 | 48 | 0.29 | 0.9 | 0.7 A | 359 | 9 |
| 08 17 55 33.1 | 59 51.8 | 153 24.1 | 124.6 | 2.7 | 14 5 | 92 | 45 | 0.14 | 1.8 | 1.3 B | 326 | 20 |
| 08 21 10 10.6 | 61 40.7 | 150 48.5 | 57.7 | 2.9 | 26 7 | 131 | 24 | 0.41 | 0.6 | 0.9 A | 89 | 7 |
| | | 3.5 ML ATWC | | | | | | | | | | |
| 9 1 36 45.3 | 59 59.6 | 140 41.3 | 4.7 | 1.0 | 9 3 | 169 | 25 | 0.34 | 1.0 | 2.2 B | 276 | 0 |
| 9 2 29 9.3 | 59 46.6 | 152 38.1 | 76.3 | 2.2 | 17 8 | 88 | 46 | 0.38 | 0.8 | 1.5 B | 81 | 7 |
| 9 6 0 14.6 | 60 16.2 | 140 58.6 | 7.0 | 0.9 | 13 6 | 129 | 13 | 0.33 | 0.8 | 1.3 A | 106 | 2 |
| 9 11 21 23.0 | 61 11.7 | 149 46.4 | 43.0 | 0.8A | 10 5 | 120 | 13 | 0.29 | 1.2 | 1.4 B | 208 | 1 |
| 9 12 18 47.3 | 60 40.4 | 140 37.2 | 10.8 | 1.3 | 11 5 | 193 | 51 | 0.51 | 1.3 | 2.0 B | 143 | 4 |
| 9 18 40 37.3 | 60 11.4 | 141 34.2 | 5.6 | 0.4 | 7 3 | 106 | 7 | 0.29 | 0.9 | 2.0 B | 322 | 15 |
| 9 22 55 19.0 | 60 36.4 | 143 15.5 | 15.0 | 1.0 | 8 90 | 28 | 0.58 | 0.7 | 2.8 C | 14 | 8 | |
| 10 2 31 52.2 | 61 57.2 | 151 29.2 | 84.2 | 2.4 | 14 8 | 134 | 4 | 0.40 | 1.1 | 1.1 A | 81 | 8 |
| 10 6 32 38.6 | 61 19.5 | 139 56.0 | 0.4 | 1.9 | 13 4 | 249 | 85 | 0.59 | 1.9 | 4.8 C | 282 | 0 |
| 10 9 16 52.2 | 59 35.0 | 151 57.4 | 43.7 | 2.1 | 13 8 | 181 | 63 | 0.51 | 0.8 | 3.0 C | 359 | 3 |
| 10 12 6 49.2 | 60 24.3 | 141 15.6 | 21.0 | 0.5A | 4 3 | 138 | 27 | 0.38 | 2.4 | 4.2 C | 326 | 2 |
| 10 12 26 55.7 | 60 25.3 | 140 34.0 | 13.2 | 1.5 | 16 6 | 169 | 39 | 0.76 | 1.0 | 2.1 B | 316 | 9 |
| 10 12 35 50.8 | 61 18.8 | 139 59.3 | 9.1 | 0.9A | 5 4 | 271 | 82 | 0.48 | 3.0 | 17.6 D | 109 | 4 |
| 10 13 59 19.5 | 59 57.9 | 140 49.1 | 5.4 | 1.1 | 13 5 | 167 | 20 | 0.39 | 0.9 | 1.0 A | 114 | 4 |
| 10 14 10 11.9 | 61 41.1 | 150 23.8 | 7.1 | 2.2 | 17 6 | 165 | 31 | 0.44 | 0.5 | 0.7 A | 27 | 20 |
| 10 14 25 13.0 | 60 39.1 | 143 6.4 | 1.5 | 1.0 | 9 6 | 79 | 27 | 0.58 | 0.6 | 22.5 D | 261 | 0 |
| 10 15 35 49.3 | 60 12.6 | 140 59.4 | 10.0 | 0.8 | 12 6 | 119 | 7 | 0.20 | 0.9 | 0.8 A | 290 | 1 |
| 10 17 40 48.8 | 60 41.2 | 151 42.7 | 71.4 | 2.8 | 27 8 | 56 | 27 | 0.37 | 0.7 | 1.2 A | 33 | 8 |
| 10 21 17 18.2 | 59 46.5 | 152 44.3 | 78.7 | 2.5 | 16 5 | 129 | 46 | 0.18 | 1.1 | 1.6 B | 81 | 10 |
| 10 21 46 40.3 | 60 16.7 | 141 27.0 | 13.5 | 0.5 | 7 4 | 114 | 15 | 0.10 | 1.6 | 1.7 B | 327 | 8 |
| 10 22 11 27.8 | 60 6.9 | 141 7.5 | 8.1 | 1.1 | 14 12 | 86 | 6 | 0.58 | 0.5 | 0.4 A | 284 | 20 |
| 10 23 18 25.6 | 60 5.9 | 147 10.9 | 27.6 | 2.0 | 32 17 | 125 | 27 | 0.99 | 0.4 | 0.5 A | 81 | 5 |
| 11 1 38 13.4 | 60 39.9 | 143 7.0 | 1.3 | 0.8 | 6 4 | 91 | 28 | 0.38 | 0.9 | 25.0 D | 261 | 0 |
| 11 4 5 23.2 | 61 47.9 | 148 57.8 | 15.4 | 0.3 | 5 150 | 4 | 0.24 | 0.7 | 1.2 A | 95 | 8 | |
| 11 4 17 0.6 | 61 38.1 | 150 20.7 | 16.6 | 0.5A | 4 3 | 190 | 28 | 0.18 | 10.7 | 25.0 D | 154 | 14 |
| 11 6 31 53.8 | 59 57.3 | 141 35.1 | 11.6 | 1.3 | 13 5 | 183 | 22 | 0.40 | 0.9 A | 265 | 3 | |
| 11 11 19 33.8 | 60 9.7 | 140 47.9 | 3.2 | 0.7 | 6 2 | 163 | 13 | 0.23 | 2.2 | 2.4 B | 97 | 1 |
| 11 6 56 53.7 | 61 22.4 | 150 23.8 | 8.1 | 0.5A | 5 3 | 206 | 21 | 0.91 | 2.0 | 1.1 B | 339 | 24 |
| 11 7 7 46.3 | 61 34.1 | 150 11.3 | 1.8 | 1.1A | 5 3 | 177 | 32 | 0.23 | 8.3 | 1.4 D | 160 | 3 |
| 11 9 56 55.1 | 59 58.1 | 140 7.1 | 14.8 | 1.6 | 13 4 | 152 | 16 | 0.74 | 1.1 | 0.8 A | 299 | 3 |
| 11 10 8 48.9 | 61 33.1 | 146 20.5 | 26.6 | 2.1 | 37 9 | 85 | 23 | 0.60 | 0.4 | 0.9 A | 292 | 6 |
| 11 11 19 33.8 | 60 9.7 | 140 47.9 | 3.2 | 0.7 | 6 2 | 163 | 13 | 0.23 | 2.2 | 2.4 B | 97 | 1 |
| 11 16 4 2.1 | 61 48.3 | 148 52.6 | 12.0 | 0.1A | 4 3 | 142 | 4 | 0.10 | 2.1 | 1.7 B | 136 | 34 |
| 11 17 40 2.3 | 61 27.2 | 149 40.9 | 1.5 | 0.10 | 10 7 | 94 | 23 | 0.44 | 0.8 | 1.2 A | 261 | 0 |
| 11 21 18 38.2 | 61 19.0 | 150 53.6 | 58.8 | 2.8 | 30 10 | 66 | 18 | 0.50 | 1.0 A | 81 | 2 | |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - OCTOBER 1984 | | | | | | | | | | | |
|--|-----------|-------------|-------------|-------|-------|----|--------|-------------|-------------|-------------|-------------|
| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | GAP | D1 | RMS | SEH | SEZ Q |
| | | | | | | | | DEG MIN SEC | DEG MIN SEC | DEG MIN SEC | DEG MIN SEC |
| 1984 | HR MN SEC | DEG MIN SEC | DEG MIN SEC | ATWIC | ML | ML | ML | | | | |
| OCT 12 6 3 | 19.8 59 | 30.7 | 152 43.3 | 79.5 | 2.7 | 16 | 6 | 102 45 | 0.30 | 1.3 | 2.6 B |
| 12 12 39 | 57.9 | 60 2.0 | 141 57.9 | 7.3 | 1.5 | 24 | 7 | 157 4 | 0.72 | 0.6 | 0.5 A |
| 12 12 53 | 9.5 | 61 35.3 | 150 42.8 | 62.5 | 2.4 | 29 | 12 | 117 14 | 0.43 | 0.6 | 0.8 A |
| 12 17 3 | 38.2 | 60 16.2 | 141 5.1 | 11.2 | 1.1 | 16 | 6 | 122 13 | 0.52 | 0.6 | 0.8 A |
| 12 19 41 | 43.4 | 60 16.7 | 141 26.1 | 11.8 | 0.3 | 6 | 4 | 118 15 | 0.15 | 1.5 | 1.5 B |
| 12 14 34 | 25.8 | 60 17.8 | 141 25.5 | 9.9 | 1.2 | 19 | 8 | 105 17 | 0.34 | 0.4 | 0.7 A |
| 12 15 29 | 25.0 | 60 17.9 | 141 25.1 | 10.1 | 1.3 | 18 | 7 | 105 17 | 0.30 | 0.5 | 0.7 A |
| 12 15 34 | 17.8 | 60 16.6 | 141 26.9 | 13.7 | 0.3 | 6 | 4 | 114 15 | 0.12 | 1.2 | 1.4 B |
| 12 17 3 | 38.2 | 60 16.2 | 141 5.1 | 11.2 | 1.1 | 16 | 6 | 122 13 | 0.52 | 0.6 | 0.8 A |
| 13 0 3 | 14.6 | 59 57.8 | 140 12.4 | 8.6 | 1.2 | 8 | 5 | 168 15 | 0.89 | 1.0 | 0.9 A |
| 13 29 30.3 | 60 35.1 | 152 49.9 | 127.1 | 3.0 | 21 | 5 | 91 | 23 0.48 | 1.0 | 1.5 B | 225 8 |
| 13 5 34 | 44.9 | 60 8.7 | 141 6.7 | 0.3 | 1.4 | 13 | 7 | 84 4 | 0.37 | 0.3 | 0.7 A |
| 13 5 54 | 53.0 | 60 14.1 | 141 33.4 | 8.9 | 0.6 | 5 | 4 | 168 11 | 0.41 | 2.2 | 1.8 B |
| 13 8 54 | 17.8 | 61 38.3 | 150 45.5 | 61.2 | 2.8 | 31 | 9 | 122 20 | 0.43 | 0.8 | 1.2 A |
| 13 12 9 | 56.2 | 61 16.2 | 140 31.4 | 6.0 | 1.8 | 14 | 6 | 242 55 | 0.62 | 1.1 | 4.0 C |
| 13 23 30 | 5.6 | 60 25.6 | 141 19.8 | 12.7 | 0.7 | 8 | 6 | 121 24 | 0.36 | 0.6 | 1.4 B |
| 14 0 17 | 27.8 | 61 48.7 | 148 58.0 | 15.7 | 0.0A | 4 | 3 | 207 3 | 0.04 | 1.7 | 1.7 B |
| 14 1 49 | 6.8 | 61 6.4 | 143 33.0 | 3.3 | 1.1 | 9 | 4 | 117 40 | 0.96 | 1.0 | 17.9 D |
| 14 4 49 | 40.3 | 62 16.5 | 149 26.0 | 51.9 | 3.3 | 33 | 6 | 121 54 | 0.36 | 0.8 | 2.2 B |
| 3.8 MB | | | | | | | | | | | |
| 14 10 19 | 49.4 | 60 59.1 | 147 13.7 | 18.3 | 2.5 | 39 | 10 | 45 10 | 0.49 | 0.4 | 0.6 A |
| 14 10 43 | 15.2 | 61 54.3 | 149 15.0 | 8.2 | 0.3A | 4 | 4 | 320 17 | 0.22 | 1.9 | 3.0 B |
| 14 18 3 | 36.7 | 59 56.2 | 140 151 | 53.7 | 0.4 | 9 | 7 | 192 25 | 0.30 | 1.3 | 2.2 B |
| 14 18 45 | 55.8 | 60 29.4 | 151 58.3 | 73.5 | 3.0 | 25 | 4 | 70 26 | 0.36 | 0.8 | 1.2 A |
| 14 19 41 | 32.8 | 60 11.2 | 139 45.4 | 20.8 | 1.0 | 6 | 3 | 193 27 | 0.39 | 3.2 | 1.7 C |
| 14 19 46 | 45.0 | 61 37.3 | 151 12.7 | 15.6 | 1.1A | 5 | 4 | 148 31 | 0.64 | 0.8 | 11.3 D |
| 14 20 12 | 34.3 | 61 47.0 | 149 3.6 | 10.6 | 1.7 | 26 | 8 | 118 7 | 0.82 | 0.5 | 0.7 A |
| 14 21 15 | 8.1 | 60 33.1 | 143 9.4 | 27.3 | 0.6A | 3 | 1 | 150 65 | 0.02 | 8.8 | 21.4 D |
| 14 21 35 | 31.6 | 60 17.1 | 140 57.5 | 13.1 | 1.8 | 18 | 7 | 131 15 | 0.23 | 0.5 | 0.8 A |
| 14 22 58 | 17.1 | 60 30.5 | 141 12.6 | 10.6 | 0.9 | 6 | 3 | 177 34 | 0.41 | 1.4 | 2.8 C |
| 14 23 7 | 2.9 | 61 48.8 | 148 54.2 | 13.2 | -0.1A | 4 | 4 | 142 4 | 0.14 | 1.3 | 1.7 A |
| 15 0 51 | 53.0 | 60 59.2 | 147 13.4 | 21.3 | 2.1 | 35 | 17 | 45 9 | 0.50 | 0.4 | 0.6 A |
| 15 4 15 | 20.8 | 62 9.9 | 149 31.3 | 62.5 | 2.7 | 30 | 7 | 115 47 | 0.37 | 1.1 | 1.8 B |
| 15 4 35 | 35.0 | 61 7.2 | 149 8.0 | 27.7 | 0.7A | 5 | 5 | 106 27 | 0.11 | 0.7 | 2.0 B |
| 15 7 2 | 23.6 | 60 5.7 | 152 26.2 | 90.4 | 2.6 | 20 | 11 | 101 23 | 0.46 | 0.9 | 1.5 B |
| 15 7 44 | 27.8 | 61 36.9 | 150 16.4 | 8.3 | 1.2A | 7 | 5 | 158 21 | 0.52 | 1.6 | 1.2 B |
| 15 7 48 | 24.5 | 61 6.6 | 146 30.5 | 9.2 | 0.7 | 5 | 3 | 136 6 | 0.10 | 5.8 | 3.5 C |
| 15 8 57 | 32.0 | 60 15.1 | 140 48.5 | 9.5 | 1.0 | 11 | 7 | 136 17 | 0.36 | 1.0 | 1.4 B |
| 15 14 24 | 16.3 | 61 6.4 | 152 13.8 | 12.1 | 0.6 | 4 | 4 | 184 13 | 0.28 | 2.2 | 1.9 B |
| 15 14 42 | 9.0 | 61 22.5 | 150 20.7 | 51.7 | 2.4 | 27 | 9 | 81 24 | 0.43 | 0.6 | 1.5 B |
| 15 18 40 | 51.8 | 60 57.8 | 146 44.7 | 1.3 | 2.4 | 36 | 8 | 39 15 | 0.63 | 0.4 | 0.7 A |
| 15 19 11 | 41.6 | 57 53.2 | 137 59.2 | 14.4 | 2.2 | 6 | 3 | 214 182 | 0.35 | 12.9 | 12.2 D |
| 15 20 34 | 40.2 | 57 53.0 | 138 0.2 | 20.1 | 2.3 | 6 | 3 | 215 182 | 0.40 | 10.1 | 10.0 D |
| 15 21 34 | 33.5 | 60 14.3 | 140 45.6 | 13.4 | 1.5 | 12 | 7 | 137 18 | 0.45 | 0.9 | 1.0 A |
| 15 22 24 | 32.0 | 61 46.6 | 149 2.2 | 13.8 | 1.2 | 16 | 12 | 107 6 | 0.52 | 0.7 | 330 18 |
| 15 23 51 | 20.6 | 61 4.5 | 152 18.9 | 13.4 | 0.4A | 4 | 3 | 197 18 | 0.11 | 3.7 | 4.3 C |
| 16 0 34 | 41.7 | 61 25.3 | 150 48.0 | 58.4 | 2.7 | 30 | 9 | 69 6 | 0.44 | 0.5 | 1.1 A |
| 16 1 36.7 | 61 9.1 | 146 33.8 | 15.4 | 0.0A | 6 | 5 | 178 10 | 0.48 | 1.2 | 1.2 A | |
| 16 6 2 35.6 | 60 25.8 | 142 47.9 | 21.6 | 0.6 | 10 | 8 | 79 4 | 0.45 | 0.6 | 0.5 A | |
| 16 7 11 44.2 | 59 56.3 | 152 48.0 | 88.8 | 2.7 | 18 | 6 | 76 27 | 0.34 | 1.2 | 1.1 A | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - OCTOBER 1984

| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEI | SEZ Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 |
|-----------------------|---------|----------|-------|------|----|-----|-----|------|------|--------|--------|-----|------|------|-----|------|-----|-----|------|------|
| | | | | | | | | | | | | | | | | | | | | |
| 1984 OCT 16 7 41 27.8 | 60 9.9 | 139 37.3 | 15.0 | 0.9 | 9 | 4 | 198 | 24 | 0.61 | 1.3 B | 313 | 12 | 0.9 | 215 | 32 | 3.9 | 61 | 55 | 1.4 | |
| 16 14 22 17.2 | 62 0.1 | 148 54.2 | 42.0 | 2.5 | 29 | 9 | 99 | 19 | 0.46 | 0.7 | 0.9 A | 90 | 12 | 0.8 | 354 | 23 | 1.1 | 205 | 64 | 1.8 |
| 16 16 28 46.5 | 61 46.2 | 149 2.1 | 9.9 | 0.2A | 3 | 3 | 243 | 6 | 0.12 | 7.6 | 2.9 D | 81 | 26 | 14.9 | 175 | 32 | 1.0 | 315 | 49 | 1.9 |
| 16 21 27 20.6 | 59 59.4 | 153 40.0 | 154.4 | 3.0 | 14 | 5 | 157 | 37 | 0.21 | 2.4 | 2.2 B | 40 | 17 | 2.1 | 295 | 40 | 5.0 | 148 | 45 | 3.6 |
| 17 5 20 4.4 | 60 29.1 | 144 56.3 | 14.4 | 1.0A | 10 | 7 | 166 | 16 | 0.64 | 1.2 | 1.0 A | 109 | 15 | 0.6 | 209 | 35 | 2.6 | 0 | 51 | 1.5 |
| 17 5 36 55.9 | 60 6.5 | 141 5.8 | 7.4 | 0.9 | 9 | 5 | 101 | 5 | 0.45 | 0.6 | 0.5 A | 178 | 5 | 1.1 | 270 | 23 | 0.6 | 76 | 66 | 0.9 |
| 17 11 10 19.6 | 60 15.6 | 140 36.9 | 9.6 | 0.6 | 7 | 4 | 158 | 26 | 0.25 | 1.3 | 2.5 B | 299 | 13 | 0.6 | 35 | 23 | 0.9 | 182 | 63 | 5.2 |
| 17 12 48 14.5 | 59 21.7 | 144 43.0 | 15.2 | 1.9 | 21 | 8 | 227 | 95 | 0.51 | 1.2 | 1.5 B | 23 | 2 | 2.2 | 114 | 38 | 1.2 | 290 | 52 | 3.3 |
| 17 16 10 13.3 | 61 48.4 | 148 51.5 | 14.8 | 1.3 | 21 | 9 | 133 | 5 | 0.55 | 0.5 | 0.4 A | 342 | 8 | 0.9 | 261 | 33 | 0.6 | 84 | 55 | 0.8 |
| 17 19 13 11.6 | 58 34.2 | 151 4.4 | 84.9 | 2.6 | 9 | 4 | 195 | 124 | 0.70 | 4.8 | 5.6 D | 22 | 3 | 1.7 | 114 | 26 | 8.4 | 286 | 64 | 11.0 |
| 17 19 13 37.8 | 60 18.8 | 140 20.0 | 15.0 | 0.8 | 6 | 5 | 207 | 25 | 0.52 | 2.1 | 3.9 C | 81 | 3 | 1.6 | 331 | 25 | 0.7 | 177 | 58 | 7.9 |
| 18 3 18 36.5 | 59 48.5 | 153 12.2 | 104.4 | 2.6 | 14 | 3 | 111 | 47 | 0.17 | 1.9 | 1.8 B | 261 | 0 | 1.7 | 317 | 35 | 3.7 | 171 | 43 | 2.2 |
| 18 3 27 3.4 | 60 1.6 | 152 48.7 | 102.0 | 2.9 | 19 | 6 | 100 | 17 | 0.64 | 1.2 | 1.1 A | 220 | 5 | 1.4 | 315 | 41 | 2.4 | 124 | 49 | 1.8 |
| 18 6 27 1.4 | 60 10.7 | 141 3.2 | 5.0 | 0.3A | 4 | 3 | 200 | 3 | 0.12 | 1.5 | 0.9 B | 180 | 17 | 2.9 | 285 | 40 | 1.1 | 72 | 45 | 1.7 |
| 18 6 57 43.9 | 60 24.1 | 144 54.3 | 20.5 | 1.7 | 25 | 13 | 150 | 13 | 0.75 | 0.4 | 0.5 A | 114 | 14 | 0.5 | 209 | 21 | 0.8 | 353 | 64 | 0.9 |
| 18 7 37 57.8 | 61 9.4 | 146 35.0 | 15.0 | 0.5A | 6 | 5 | 181 | 11 | 0.36 | 2.2 | 1.7 B | 37 | 3 | 0.8 | 129 | 37 | 5.0 | 303 | 53 | 1.3 |
| 18 9 17 50.8 | 60 6.2 | 152 31.5 | 83.9 | 2.6 | 20 | 7 | 99 | 18 | 0.23 | 0.9 | 1.1 A | 81 | 14 | 1.0 | 156 | 29 | 1.4 | 325 | 55 | 2.1 |
| 18 13 43 18.3 | 59 55.6 | 149 5.7 | 7.8 | 2.1 | 34 | 12 | 170 | 28 | 0.67 | 0.6 | 0.6 A | 263 | 9 | 0.7 | 359 | 34 | 1.3 | 160 | 55 | 0.9 |
| 19 1 0 27.6 | 61 53.0 | 148 20.9 | 41.8 | 1.2 | 8 | 6 | 180 | 8 | 0.37 | 1.1 | 0.9 A | 97 | 26 | 0.8 | 353 | 27 | 2.2 | 224 | 51 | 1.8 |
| 19 4 44 46.2 | 61 34.2 | 150 56.8 | 70.0 | 3.7 | 22 | 0 | 83 | 16 | 0.32 | 0.9 | 1.9 B | 81 | 4 | 1.0 | 156 | 13 | 1.5 | 333 | 70 | 3.5 |
| 19 9 27 28.3 | 61 31.8 | 149 59.1 | 44.6 | 2.1 | 29 | 17 | 80 | 15 | 0.42 | 0.6 | 0.8 A | 261 | 1 | 0.5 | 170 | 19 | 1.0 | 354 | 71 | 1.5 |
| 19 9 44 47.3 | 61 47.5 | 148 59.3 | 14.7 | 0.6 | 12 | 9 | 92 | 4 | 0.30 | 0.6 | 0.5 A | 140 | 3 | 1.0 | 261 | 44 | 0.6 | 47 | 38 | 1.0 |
| 19 11 49 10.4 | 60 8.1 | 141 14.5 | 8.7 | 1.5 | 16 | 8 | 117 | 11 | 0.34 | 0.5 | 0.4 A | 278 | 0 | 0.5 | 188 | 11 | 1.0 | 8 | 79 | 0.7 |
| 19 19 23 2.1 | 61 58.8 | 151 4.8 | 9.1 | 2.0 | 23 | 8 | 183 | 24 | 0.59 | 1.1 | 0.9 A | 97 | 23 | 0.5 | 348 | 37 | 2.5 | 211 | 44 | 1.1 |
| 19 19 56 57.3 | 60 10.3 | 140 59.2 | 8.1 | 0.9A | 3 | 3 | 307 | 3 | 0.12 | 1.3 | 0.9 A | 36 | 17 | 2.5 | 139 | 36 | 2.0 | 285 | 49 | 1.1 |
| 19 20 43 8.9 | 60 12.2 | 151 1.5 | 67.1 | 3.1 | 23 | 11 | 73 | 24 | 0.43 | 0.9 | 1.9 B | 87 | 1 | 0.9 | 357 | 18 | 1.4 | 180 | 72 | 3.7 |
| 19 20 5 38 7.6 | 61 8.8 | 152 16.0 | 0.7 | 0.8 | 6 | 6 | 188 | 12 | 0.50 | 0.7 | 1.0 A | 108 | 15 | 1.2 | 202 | 16 | 0.6 | 337 | 68 | 2.0 |
| 20 7 45 11.5 | 62 4.9 | 148 34.4 | 40.3 | 2.3 | 18 | 16 | 205 | 33 | 0.75 | 0.7 | 0.8 A | 278 | 0 | 0.9 | 8 | 33 | 1.3 | 188 | 57 | 1.6 |
| 20 10 29 30.9 | 62 15.0 | 151 28.4 | 91.5 | 2.6 | 19 | 12 | 100 | 30 | 0.49 | 1.3 | 1.2 A | 81 | 13 | 1.2 | 172 | 26 | 2.4 | 326 | 61 | 2.3 |
| 20 12 33 37.6 | 61 47.6 | 148 59.3 | 13.2 | 1.4 | 15 | 14 | 92 | 4 | 0.79 | 0.4 | 0.4 A | 332 | 4 | 0.7 | 81 | 40 | 0.9 | 238 | 46 | 0.4 |
| 20 15 49 45.9 | 60 17.5 | 140 42.1 | 11.7 | 1.3 | 13 | 7 | 147 | 24 | 0.37 | 0.7 | 1.1 A | 297 | 4 | 0.5 | 29 | 26 | 0.7 | 199 | 64 | 2.4 |
| 20 16 55 56.9 | 60 31.4 | 141 43.4 | 13.1 | 1.6 | 17 | 11 | 95 | 18 | 0.59 | 0.4 | 0.7 A | 359 | 8 | 0.5 | 91 | 15 | 0.7 | 242 | 73 | 1.3 |
| 20 19 26 42.2 | 62 47.6 | 148 13.8 | 39.0 | 2.1 | 11 | 11 | 272 | 110 | 0.63 | 2.1 | 8.9 D | 331 | 1 | 2.5 | 81 | 9 | 2.0 | 235 | 68 | 16.0 |
| 20 20 39 22.5 | 61 4.2 | 152 17.2 | 15.0 | 0.6A | 4 | 4 | 191 | 18 | 0.14 | 1.7 | 0.6 B | 107 | 3 | 3.3 | 199 | 33 | 0.9 | 12 | 57 | 1.2 |
| 21 10 4 7.7 | 61 27.5 | 150 14.4 | 13.7 | 0.7A | 8 | 6 | 112 | 27 | 0.56 | 1.1 | 1.0 A | 96 | 10 | 0.7 | 194 | 41 | 2.5 | 355 | 47 | 1.5 |
| 21 11 7 22.9 | 60 23.8 | 151 45.8 | 72.9 | 2.6 | 18 | 9 | 98 | 40 | 0.49 | 0.6 | 1.5 B | 133 | 2 | 1.1 | 43 | 9 | 1.1 | 235 | 81 | 2.9 |
| 21 18 50 45.4 | 61 41.5 | 150 21.3 | 7.7 | 1.4 | 12 | 8 | 145 | 26 | 0.61 | 0.7 | 0.7 A | 266 | 11 | 0.7 | 6 | 43 | 1.1 | 165 | 45 | 1.6 |
| 21 20 18 30.3 | 61 47.3 | 148 57.6 | 11.1 | 1.4 | 14 | 8 | 137 | 3 | 0.42 | 0.8 | 0.7 A | 321 | 28 | 1.1 | 81 | 35 | 1.8 | 206 | 39 | 0.8 |
| 21 23 10 20.1 | 61 21.7 | 149 52.4 | 40.0 | 2.2 | 29 | 7 | 51 | 21 | 0.51 | 0.5 | 1.3 A | 94 | 1 | 0.9 | 184 | 6 | 1.0 | 355 | 84 | 2.4 |
| 22 4 27 23.1 | 62 14.0 | 148 18.7 | 40.4 | 2.3 | 22 | 8 | 103 | 56 | 0.56 | 1.0 | 2.5 B | 357 | 3 | 2.0 | 87 | 7 | 1.0 | 244 | 82 | 4.7 |
| 22 12 42 54.9 | 61 17.0 | 149 12.9 | 34.3 | 1.2A | 14 | 9 | 64 | 19 | 0.38 | 0.5 | 0.8 A | 193 | 5 | 0.6 | 285 | 15 | 0.9 | 85 | 74 | 1.5 |
| 22 17 49 14.0 | 60 23.5 | 150 32.8 | 40.1 | 2.6 | 25 | 7 | 110 | 22 | 0.55 | 0.7 | 1.5 B | 276 | 1 | 0.7 | 6 | 8 | 1.2 | 179 | 82 | 2.8 |
| 22 22 43 8.0 | 63 16.0 | 148 55.3 | 42.4 | 2.4 | 14 | 9 | 152 | 159 | 0.77 | 2.1 | 10.1 D | 6 | 1 | 2.5 | 96 | 1 | 0 | 231 | 89 | 19.0 |
| 23 2 30 22.9 | 59 59.7 | 140 47.4 | 0.1 | 1.0 | 11 | 7 | 174 | 20 | 0.46 | 0.8 | 1.0 A | 109 | 4 | 0.4 | 199 | 10 | 1.5 | 357 | 79 | 1.9 |
| 23 4 43 39.2 | 60 27.8 | 142 15.1 | 0.2 | 1.0 | 9 | 151 | 30 | 0.70 | 0.6 | 25.0 D | 261 | 0 | 0.7 | 351 | 0 | 1.1 | 0 | 99 | 0 | 99.0 |
| 23 8 27 41.5 | 59 56.0 | 141 5.5 | 7.4 | 1.0A | 12 | 5 | 171 | 15 | 0.43 | 1.0 | 1.2 A | 126 | 15 | 0.7 | 226 | 35 | 1.1 | 17 | 51 | 2.8 |
| 23 9 54 13.2 | 61 3.6 | 146 19.8 | 14.9 | 2.3 | 37 | 11 | 37 | 8 | 0.67 | 0.2 | 0.4 A | 305 | 6 | 0.4 | 214 | 7 | 0.4 | 75 | 81 | 0.7 |
| 23 11 43 37.1 | 59 56.7 | 140 48.9 | 0.3 | 0.8 | 11 | 5 | 181 | 21 | 0.56 | 0.6 | 1.1 A | 111 | 4 | 0.5 | 202 | 12 | 1.1 | 3 | 77 | 2.2 |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - OCTOBER 1984 | | | | | | | | | | | |
|--|-----|------|------|------|-------|------|------|------|------|------|------|
| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS |
| | | | | | | | | | | | |
| 1984 | HR | MN | SEC | 135 | 25.9 | 10.0 | 2.8 | 10 | 3 | 317 | 186 |
| OCT 23 | 16 | 39 | 58.3 | 150 | 4.6 | 50.1 | 2.3 | 33 | 13 | 0.34 | 25.0 |
| 23 | 20 | 28 | 47.4 | 28.7 | 1.5 | 50.4 | 2.3 | 82 | 22 | 0.45 | 0.4 |
| 24 | 2 | 27 | 47.3 | 60 | 14.2 | 141 | 5.2 | 21 | 11 | 0.38 | 0.4 |
| 24 | 4 | 36 | 36.7 | 60 | 12.4 | 141 | 5.5 | 10.2 | 0.8 | 0.6 | 0.6 |
| 24 | 4 | 38 | 22.1 | 60 | 13.8 | 141 | 4.1 | 8.3 | 2.2 | 0.26 | 0.8 |
| 24 | 7 | 20 | 32.3 | 60 | 19.2 | 140 | 51.5 | 24.9 | 0.7A | 0.31 | 0.31 |
| 24 | 10 | 10 | 32.3 | 60 | 6.7 | 141 | 10.0 | 8.9 | 0.9 | 0.25 | 0.7 |
| 24 | 12 | 9 | 35.1 | 60 | 58.0 | 147 | 17.5 | 30.8 | 2.1 | 0.55 | 0.3 |
| 24 | 13 | 13 | 16.8 | 61 | 7.1 | 152 | 14.0 | 10.6 | 0.5A | 6 | 0.3 |
| 24 | 13 | 47 | 4.3 | 60 | 13.7 | 151 | 56.3 | 63.6 | 2.4 | 23 | 13 |
| 24 | 14 | 23.7 | 60 | 20.2 | 145 | 4.9 | 24.2 | 1.0 | 12 | 6 | 0.45 |
| 24 | 14 | 20 | 31.4 | 60 | 10.6 | 141 | 31.2 | 11.6 | 1.0 | 10 | 6 |
| 24 | 21 | 17 | 53.9 | 60 | 47.2 | 150 | 50.9 | 45.1 | 7 | 28 | 10 |
| 24 | 22 | 43 | 58.0 | 59 | 59.9 | 142 | 4.5 | 6.7 | 1.3 | 13 | 10 |
| 25 | 2 | 35 | 10.8 | 60 | 56.4 | 146 | 50.6 | 35.9 | 2.2 | 31 | 24 |
| 25 | 9 | 39 | 11.0 | 60 | 16.2 | 141 | 23.0 | 4.7 | 1.0 | 13 | 9 |
| 25 | 10 | 5 | 49.3 | 60 | 4.1 | 140 | 39.9 | 0.4 | 1.4 | 13 | 6 |
| 25 | 12 | 44 | 26.6 | 60 | 22.6 | 141 | 15.8 | 16.3 | 1.7 | 14 | 12 |
| 25 | 12 | 46 | 51.7 | 60 | 22.0 | 141 | 16.6 | 15.4 | 1.3 | 14 | 10 |
| 25 | 13 | 25 | 6.3 | 60 | 22.2 | 141 | 17.1 | 16.5 | 1.0A | 7 | 6 |
| 25 | 15 | 21 | 16.6 | 60 | 22.3 | 141 | 17.6 | 17.9 | 1.3A | 8 | 6 |
| 25 | 15 | 31 | 42.1 | 60 | 5.6 | 140 | 31.3 | 0.0 | 1.3 | 14 | 10 |
| 25 | 17 | 46 | 9.0 | 59 | 19.7 | 144 | 56.7 | 12.2 | 1.9 | 19 | 10 |
| 25 | 18 | 26 | 10.1 | 60 | 2.1 | 140 | 32.2 | 1.5 | 0.8 | 7 | 3 |
| 26 | 0 | 18 | 26.4 | 61 | 46.2 | 149 | 4.6 | 10.8 | 1.5 | 13 | 116 |
| 26 | 2 | 6 | 23.8 | 59 | 54.8 | 142 | 51.0 | 1.2 | 1.5A | 15 | 10 |
| 26 | 9 | 34 | 13.1 | 61 | 13.0 | 143 | 40.4 | 0.0 | 1.2 | 8 | 7 |
| 26 | 13 | 33 | 24.0 | 61 | 47.1 | 148 | 59.6 | 14.2 | 1.1 | 12 | 10 |
| 26 | 15 | 34 | 56.2 | 59 | 41.6 | 153 | 0.7 | 93.3 | 2.2 | 12 | 9 |
| 26 | 15 | 55 | 14.8 | 59 | 33.2 | 140 | 13.4 | 0.8 | 1.0A | 6 | 3 |
| 26 | 16 | 17 | 41.8 | 62 | 29.3 | 149 | 50.6 | 81.3 | 2.5 | 15 | 11 |
| 26 | 16 | 30 | 38.5 | 60 | 26.7 | 143 | 58.5 | 19.4 | 0.7A | 5 | 2 |
| 26 | 19 | 59 | 21.8 | 60 | 19.0 | 140 | 45.2 | 16.0 | 0.7A | 8 | 5 |
| 26 | 20 | 32 | 53.4 | 61 | 47.6 | 149 | 58.3 | 48.1 | 2.3 | 23 | 15 |
| 26 | 22 | 33 | 2.7 | 60 | 16.6 | 140 | 56.8 | 9.1 | 1.1 | 11 | 9 |
| 26 | 23 | 14 | 2.1 | 60 | 24.7 | 142 | 57.5 | 1.3 | 0.9 | 8 | 5 |
| 27 | 1 | 49 | 38.7 | 61 | 16.4 | 150 | 0.9 | 41.1 | 2.2 | 30 | 14 |
| 27 | 2 | 58 | 13.7 | 60 | 13.8 | 141 | 37.0 | 10.9 | 0.7 | 6 | 1 |
| 27 | 6 | 40 | 24.5 | 60 | 21.8 | 141 | 14.2 | 9.6 | 0.8 | 10 | 6 |
| 27 | 6 | 42 | 49.4 | 60 | 21.3 | 141 | 16.5 | 14.8 | 2.0 | 17 | 9 |
| 27 | 16 | 57 | 43.5 | 60 | 6.9 | 152 | 9.5 | 66.8 | 2.4 | 18 | 13 |
| 27 | 17 | 32 | 0.1 | 61 | 10.6 | 152 | 9.7 | 6.6 | 0.4A | 3 | 3 |
| 28 | 10 | 55 | 12.6 | 61 | 47.5 | 148 | 59.8 | 13.7 | 1.7 | 24 | 18 |
| 28 | 14 | 44 | 26.2 | 60 | 17.8 | 141 | 19.2 | 6.9 | 0.8 | 7 | 5 |
| 28 | 15 | 0 | 42.3 | 61 | 32.0 | 147 | 22.9 | 23.2 | 2.5 | 28 | 14 |
| 28 | 15 | 39 | 24.3 | 60 | 6.4 | 141 | 4.8 | 7.3 | 0.8 | 11 | 6 |
| 28 | 15 | 50 | 50.2 | 60 | 59.2 | 152 | 23.2 | 5.4 | 1.3 | 9 | 8 |
| 28 | 17 | 21 | 15.6 | 60 | 40.4 | 139 | 53.6 | 0.0 | 1.4 | 8 | 4 |

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | | | |
|-------------|-----|------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|-----|-----|------|-----|-----|------|-----|-----|-----|-----|-----|
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | 135 | 25.9 | 10.0 | 2.8 | 10 | 3 | 317 | 186 | 0.34 | 25.0 | 25.0 | D | 261 | 0 | 10.4 | 348 | 35 | 52.8 | 171 | | | | |
| OCT 23 | 16 | 39 | 58.3 | 150 | 4.6 | 50.1 | 2.3 | 33 | 13 | 0.34 | 25.0 | 0.4 | 0.7 | A | 261 | 5 | 0.5 | 162 | 17 | 0.7 | 6 | 70 | | | | |
| 23 | 20 | 28 | 47.4 | 61 | 28.7 | 141 | 14.2 | 9.6 | 0.8 | 10 | 6 | 0.38 | 0.4 | 0.6 | A | 289 | 11 | 0.4 | 24 | 26 | 0.6 | 178 | 62 | | | |
| 24 | 2 | 27 | 47.3 | 60 | 14.2 | 141 | 5.2 | 6.9 | 2.3 | 21 | 11 | 0.38 | 0.4 | 0.7 | A | 298 | 12 | 0.5 | 198 | 40 | 1.9 | 41 | 48 | | | |
| 24 | 4 | 36 | 36.7 | 60 | 12.4 | 141 | 5.5 | 10.2 | 0.8 | 14 | 6 | 0.26 | 0.8 | 0.7 | A | 323 | 25 | 0.4 | 68 | 29 | 0.5 | 199 | 50 | | | |
| 24 | 4 | 38 | 22.1 | 60 | 13.8 | 141 | 4.1 | 8.3 | 2.2 | 19 | 14 | 0.31 | 0.4 | 0.4 | A | 351 | 2 | 1.1 | 82 | 9 | 0.7 | 249 | 81 | | | |
| 24 | 7 | 20 | 32.3 | 60 | 19.2 | 140 | 51.5 | 24.9 | 0.7A | 10 | 5 | 140 | 21 | 0.76 | 1.5 | 2.7 | B | 305 | 8 | 0.9 | 39 | 26 | 1.5 | 199 | 63 | |
| 24 | 10 | 10 | 32.3 | 60 | 6.7 | 141 | 10.0 | 8.9 | 0.9 | 14 | 3 | 107 | 6 | 0.25 | 0.7 | 0.5 | A | 185 | 11 | 1.4 | 278 | 15 | 0.6 | 60 | 71 | |
| 24 | 12 | 9 | 35.1 | 60 | 58.0 | 147 | 17.5 | 30.8 | 2.1 | 35 | 21 | 46 | 14 | 0.55 | 0.3 | 0.3 | A | 286 | 6 | 0.3 | 190 | 44 | 0.5 | 22 | 45 | |
| 24 | 13 | 13 | 16.8 | 61 | 7.1 | 152 | 14.0 | 10.6 | 0.5A | 6 | 4 | 1.77 | 12 | 0.31 | 1.5 | 1.4 | B | 203 | 24 | 0.6 | 311 | 36 | 1.8 | 87 | 45 | |
| 24 | 13 | 47 | 4.3 | 60 | 13.7 | 151 | 56.3 | 63.6 | 2.4 | 23 | 13 | 63 | 41 | 0.48 | 0.6 | 1.0 | A | 351 | 2 | 1.1 | 82 | 9 | 0.7 | 249 | 81 | |
| 24 | 14 | 23.7 | 60 | 20.2 | 145 | 4.9 | 24.2 | 1.0 | 12 | 6 | 209 | 23 | 0.45 | 1.2 | 1.0 | A | 121 | 2 | 1.0 | 121 | 2 | 0.4 | 214 | 60 | | |
| 24 | 14 | 20 | 31.4 | 60 | 10.6 | 141 | 31.2 | 11.6 | 1.0 | 10 | 6 | 100 | 4 | 0.42 | 0.6 | 0.7 | A | 19 | 24 | 0.9 | 275 | 29 | 0.7 | 142 | 51 | |
| 24 | 21 | 17 | 53.9 | 60 | 47.2 | 150 | 50.9 | 45.1 | 0.4 | 1.4 | 13 | 6 | 146 | 23 | 0.50 | 0.7 | 0.7 | A | 279 | 4 | 0.4 | 186 | 40 | 1.4 | 50 | 1.3 |
| 24 | 22 | 43 | 58.0 | 59 | 59.9 | 142 | 4.5 | 6.7 | 1.3 | 13 | 10 | 205 | 5 | 0.38 | 0.7 | 0.4 | A | 341 | 4 | 0.6 | 184 | 79 | 0.6 | 79 | 2.1 | |
| 25 | 2 | 35 | 10.8 | 60 | 56.4 | 146 | 50.6 | 35.9 | 2.2 | 31 | 24 | 53 | 15 | 0.81 | 0.3 | 0.2 | A | 186 | 9 | 0.6 | 279 | 17 | 0.4 | 69 | 71 | |
| 25 | 9 | 39 | 11.0 | 60 | 16.2 | 141 | 23.0 | 4.7 | 1.0 | 13 | 9 | 105 | 15 | 0.33 | 0.3 | 0.6 | A | 292 | 6 | 0.4 | 24 | 20 | 0.5 | 186 | 69 | |
| 25 | 10 | 5 | 49.3 | 60 | 4.1 | 140 | 39.9 | 0.4 | 1.4 | 13 | 6 | 146 | 23 | 0.50 | 0.7 | 0.7 | A | 279 | 4 | 0.4 | 186 | 40 | 1.4 | 50 | 1.3 | |
| 25 | 12 | 44 | 26.6 | 60 | 22.6 | 141 | 15.8 | 16.3 | 1.7 | 14 | 12 | 20 | 27 | 0.44 | 0.4 | 0.6 | A | 301 | 10 | 0.5 | 31 | 17 | 0.6 | 188 | 66 | |
| 25 | 12 | 46 | 51.7 | 60 | 22.0 | 141 | 16.6 | 15.4 | 1.3 | 14 | 10 | 119 | 26 | 0.33 | 0.4 | 0.7 | A | 300 | 4 | 0.5 | 31 | 17 | 0.6 | 197 | 73 | |
| 25 | 13 | 25 | 6.3 | 60 | 22.2 | 141 | 17.1 | 16.5 | 1.0A | 7 | 6 | 120 | 25 | 0.32 | 0.8 | 0.9 | A | 344 | 17 | 0.6 | 81 | 20 | 0.8 | 217 | 63 | |
| 25 | 15 | 21 | 16.6 | 60 | 22.3 | 141 | 17.6 | 17.9 | 1.3A | 8 | 6 | 119 | 25 | 0.29 | 0.8 | 1.4 | A | 282 | 7 | 0.3 | 16 | 36 | 1.2 | 183 | 53 | |
| 25 | 15 | 31 | 42.1 | 60 | 5.6 | 140 | 31.3 | 0.0 | 1.3 | 14 | 10 | 138 | 15 | 0.55 | 0.7 | 0.7 | A | 325 | 11 | 0.6 | 25 | 20 | 0.6 | 325 | 44 | |
| 25 | 17 | 46 | 9.0 | 59 | 19.7 | 144 | 56.7 | 12.2 | 1.9 | 1.9 | 10 | 220 | 73 | 0.72 | 1.1 | 1.0 | A | 83 | 26 | 0.6 | 359 | 19 | 3.8 | 160 | 70 | |
| 25 | 18 | 26 | 10.1 | 60 | 2.1 | 140</ | | | | | | | | | | | | | | | | | | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - OCTOBER 1984

| ORIGIN TIME | LAT | N | LONG | | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | |
|---------------|------|----|------|-----|------|-------|-------|-----|----|-----|-----|------|-----|------|-----|-----|------|------|-----|------|------|-----|------|------|-----|
| | | | DEG | MIN | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 |
| OCT 29 17 37 | 54.5 | 60 | 15.1 | 140 | 50.1 | 11.7 | 1.0 | 5 | 4 | 161 | 15 | 0.27 | 5.8 | 5.6 | D | 290 | 7 | 0.9 | 193 | 44 | 15.0 | 27 | 45 | 1.3 | |
| 30 1 44 28.3 | 28.3 | 60 | 46.0 | 151 | 29.8 | 65.2 | 2.2 | 25 | 12 | 57 | 14 | 0.46 | 0.4 | 1.1 | A | 188 | 1 | 0.7 | 98 | 10 | 0.6 | 284 | 80 | 2.0 | |
| 30 4 35 28.8 | 28.8 | 61 | 3.1 | 152 | 11.3 | 7.8 | 0.0A | 3 | 3 | 338 | 16 | 0.02 | 3.4 | 3.5 | C | 197 | 16 | 2.1 | 300 | 39 | 4.1 | 89 | 47 | 8.2 | |
| 30 4 46 13.4 | 13.4 | 60 | 15.2 | 140 | 46.0 | 11.7 | 1.3 | 17 | 5 | 138 | 18 | 0.27 | 0.6 | 0.9 | A | 116 | 2 | 0.6 | 25 | 33 | 0.7 | 209 | 57 | 2.0 | |
| 30 5 12 46.4 | 46.4 | 60 | 10.0 | 141 | 46.5 | 1.7 | 0.4A | 4 | 4 | 159 | 3 | 0.51 | 0.6 | 0.9 | A | 3 | 16 | 1.0 | 267 | 19 | 0.8 | 130 | 65 | 1.9 | |
| 30 5 15 35.2 | 35.2 | 61 | 37.3 | 142 | 19.3 | 7.5 | 1.4 | 11 | 4 | 237 | 65 | 0.35 | 1.4 | 6.9 | D | 297 | 0 | 0.8 | 27 | 7 | 2.0 | 207 | 83 | 13.1 | |
| 30 6 33 24.6 | 24.6 | 60 | 7.2 | 141 | 2.0 | 9.3 | 0.8 | 12 | 5 | 113 | 4 | 0.49 | 0.5 | 0.4 | A | 81 | 26 | 0.7 | 185 | 31 | 1.1 | 318 | 48 | 0.6 | |
| 30 11 42 57.0 | 57.0 | 61 | 9.5 | 150 | 6.6 | 14.8 | 1.4 | 17 | 11 | 77 | 31 | 0.53 | 0.3 | 0.9 | A | 10 | 5 | 0.6 | 279 | 8 | 0.5 | 132 | 81 | 1.7 | |
| 30 11 56 12.7 | 12.7 | 60 | 17.6 | 142 | 44.1 | 16.2 | 0.9A | 6 | 5 | 194 | 11 | 0.45 | 1.2 | 1.1 | A | 2 | 12 | 1.0 | 102 | 38 | 2.5 | 258 | 49 | 1.8 | |
| 30 14 54 49.1 | 49.1 | 61 | 21.3 | 149 | 20.2 | 40.6 | 1.3A | 25 | 14 | 78 | 17 | 0.49 | 0.5 | 0.8 | A | 198 | 5 | 0.7 | 107 | 19 | 0.9 | 302 | 70 | 1.5 | |
| 30 15 19 37.0 | 37.0 | 60 | 16.5 | 148 | 12.4 | 16.9 | 2.2 | 34 | 11 | 120 | 57 | 0.46 | 0.5 | 0.8 | A | 153 | 6 | 0.9 | 261 | 14 | 0.6 | 43 | 67 | 1.6 | |
| 30 16 39 0.8 | 0.8 | 60 | 42.9 | 140 | 34.1 | 8.6 | 1.0A | 12 | 7 | 201 | 50 | 0.91 | 1.3 | 1.4 | A | 139 | 1 | 0.6 | 261 | 38 | 1.7 | 48 | 42 | 2.8 | |
| 30 23 0 55.2 | 55.2 | 60 | 44.8 | 147 | 24.5 | 6.8 | 2.0 | 34 | 14 | 55 | 23 | 0.71 | 0.3 | 0.6 | A | 183 | 9 | 0.6 | 276 | 19 | 0.4 | 69 | 69 | 1.2 | |
| 31 4 0 7.6 | 7.6 | 60 | 19.8 | 142 | 59.2 | 0.1 | 1.0 | 15 | 11 | 123 | 15 | 1.34 | 0.5 | 25.0 | D | 301 | 0 | 0.6 | 31 | 0 | 1.0 | 0 | 90 | 99.0 | |
| 31 10 17 35.4 | 35.4 | 61 | 7.0 | 150 | 16.6 | 10.6 | 1.1A | 9 | 8 | 102 | 41 | 0.65 | 1.1 | 1.7 | B | 290 | 5 | 0.8 | 197 | 29 | 1.2 | 29 | 60 | 3.7 | |
| 31 14 41 29.0 | 29.0 | 60 | 25.0 | 140 | 39.5 | 1.9 | 1.3 | 11 | 4 | 163 | 36 | 0.46 | 0.8 | 2.5 | B | 81 | 1 | 1.3 | 328 | 7 | 0.8 | 178 | 66 | 4.4 | |
| 31 18 38 36.5 | 36.5 | 60 | 13.9 | 141 | 4.3 | 8.6 | 1.4 | 13 | 7 | 118 | 9 | 0.23 | 0.9 | 1.0 | A | 312 | 16 | 0.7 | 55 | 38 | 0.9 | 204 | 48 | 2.3 | |
| 31 23 11 32.7 | 32.7 | 60 | 6.6 | 139 | 40.6 | 15.8 | 1.0 | 6 | 4 | 202 | 18 | 0.59 | 2.7 | 1.1 | C | 304 | 1 | 0.9 | 214 | 17 | 5.3 | 37 | 73 | 1.5 | |
| 31 23 50 59.3 | 59.3 | 60 | 10.1 | 141 | 6.8 | 7.8 | 1.6 | 8 | 4 | 152 | 5 | 0.31 | 2.8 | 0.7 | C | 203 | 3 | 5.2 | 293 | 12 | 0.8 | 99 | 78 | 1.2 | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - NOVEMBER 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | D1 | FMS | SEH | SEZ | Q | AZ1 | DTP1 | SE1 | AZ2 | DTP2 | SE2 | AZ3 | DTP3 | SE3 | | | | |
|-------------|-----|----|------|------|-------|------|------|------|------|-------|-----|-----|-----|------|------|------|-----|-----|------|-----|-----|------|-----|------|-----|-----|----|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | KM | DEG | KM | SEC | KM | DEG | DEG | KM | DEG | DEG | KM | DEG | DEG | KM | DEG | DEG | KM | DEG | DEG | | | |
| NOV | 1 | 0 | 23 | 53.5 | 60 | 17.6 | 139 | 59.0 | 14.9 | 0.7 | 4 | 2 | 291 | 27 | 0.45 | 2.2 | 2.3 | B | 330 | 24 | 2.8 | 81 | 31 | 1.1 | 211 | 47 | |
| | 1 | 4 | 10 | 20.5 | 60 | 15.1 | 141 | 2.3 | 11.9 | 0.8 | 8 | 6 | 123 | 11 | 0.15 | 0.9 | 0.9 | A | 106 | 19 | 0.8 | 0 | 39 | 0.7 | 216 | 45 | |
| | 1 | 4 | 52 | 21.3 | 60 | 32.5 | 146 | 32.8 | 20.9 | 2.1 | 30 | 19 | 72 | 16 | 0.71 | 0.3 | 0.6 | A | 355 | 1 | 0.6 | 265 | 6 | 0.5 | 94 | 84 | |
| | 1 | 5 | 37 | 38.7 | 60 | 37.0 | 142 | 37.3 | 12.3 | 1.0 | 9 | 8 | 95 | 23 | 0.66 | 0.5 | 1.9 | B | 112 | 4 | 0.9 | 21 | 6 | 0.7 | 235 | 83 | |
| | 1 | 8 | 18 | 1.8 | 60 | 37.5 | 150 | 34.9 | 53.3 | 2.9 | 28 | 12 | 79 | 23 | 0.51 | 0.6 | 1.7 | B | 81 | 3 | 0.7 | 349 | 10 | 0.9 | 187 | 79 | |
| | | | | | 3.5 | ML | ATWC | | | | | | | | | | | | | | | | | | 3.2 | | |
| 1 | 12 | 17 | 19.8 | 60 | 6.0 | 141 | 11.1 | 9.7 | 0.7 | 8 | 7 | 151 | 6 | 0.38 | 0.8 | 0.5 | A | 190 | 7 | 1.4 | 282 | 12 | 0.6 | 70 | 76 | | |
| | 1 | 13 | 37 | 0.1 | 61 | 47.3 | 148 | 56.4 | 12.7 | 0.8 | 10 | 9 | 100 | 2 | 0.34 | 0.5 | 0.5 | A | 165 | 3 | 0.8 | 81 | 42 | 1.1 | 258 | 48 | |
| | 1 | 14 | 39 | 42.3 | 60 | 6.5 | 141 | 13.1 | 0.2 | 0.4 | 8 | 4 | 156 | 8 | 0.54 | 0.7 | 1.2 | A | 276 | 3 | 0.6 | 6 | 11 | 1.2 | 171 | 79 | |
| | 1 | 17 | 16 | 56.5 | 60 | 10.2 | 140 | 52.1 | 6.9 | 0.4 | 6 | 3 | 126 | 9 | 0.29 | 1.3 | 1.0 | A | 90 | 11 | 0.6 | 187 | 32 | 2.7 | 343 | 56 | |
| | 1 | 17 | 31 | 6.5 | 61 | 16.5 | 152 | 11.6 | 4.2 | -0.2 | 3 | 3 | 286 | 2 | 0.02 | 1.2 | 0.8 | A | 197 | 5 | 1.0 | 289 | 18 | 2.2 | 92 | 71 | |
| | 1 | 22 | 13 | 19.1 | 60 | 40.3 | 142 | 18.5 | 31.8 | 1.4 | 4 | 3 | 246 | 41 | 0.10 | 4.1 | 6.1 | D | 97 | 1 | 1.7 | 188 | 32 | 3.4 | 5 | 58 | |
| | 1 | 22 | 22 | 41.3 | 60 | 42.4 | 140 | 23.1 | 17.9 | 1.1A | 3 | 2 | 234 | 59 | 0.13 | 4.8 | 5.0 | C | 147 | 2 | 1.1 | 261 | 38 | 7.3 | 55 | 46 | |
| | 2 | 0 | 32 | 15.3 | 60 | 16.7 | 140 | 59.0 | 9.1 | 2.2 | 18 | 11 | 129 | 14 | 0.27 | 0.6 | 0.8 | A | 305 | 17 | 0.6 | 44 | 26 | 0.8 | 186 | 58 | |
| | 2 | 1 | 44 | 2.1 | 59 | 58.4 | 140 | 49.6 | 2.4 | 1.2 | 8 | 6 | 217 | 19 | 0.42 | 1.3 | 1.4 | B | 279 | 0 | 0.8 | 188 | 28 | 2.4 | 9 | 62 | |
| | 2 | 1 | 46 | 35.9 | 60 | 28.7 | 145 | 1.6 | 16.4 | 2.6 | 34 | 11 | 62 | 12 | 0.50 | 0.5 | 0.6 | A | 9 | 14 | 0.9 | 103 | 17 | 0.5 | 241 | 68 | |
| | 2 | 2 | 38 | 57.2 | 60 | 18.1 | 140 | 58.6 | 1.7 | 1.1 | 10 | 3 | 134 | 17 | 0.35 | 0.7 | 2.3 | B | 268 | 2 | 1.0 | 359 | 14 | 0.7 | 170 | 76 | |
| | 2 | 2 | 43 | 36.2 | 60 | 18.0 | 140 | 59.1 | 3.8 | 1.0 | 10 | 8 | 133 | 16 | 0.45 | 0.7 | 1.7 | B | 81 | 8 | 0.8 | 336 | 14 | 0.6 | 196 | 68 | |
| | 2 | 11 | 12 | 39.7 | 61 | 4.5 | 152 | 19.7 | 14.8 | 0.6 | 5 | 4 | 188 | 19 | 0.20 | 2.4 | 0.9 | B | 107 | 5 | 4.4 | 200 | 26 | 1.0 | 7 | 63 | |
| | 2 | 14 | 8 | 34.1 | 61 | 17.5 | 152 | 11.8 | 8.8 | 0.5 | 6 | 4 | 189 | 3 | 0.22 | 1.3 | 1.3 | B | 112 | 21 | 3.1 | 261 | 38 | 1.0 | 12 | 22 | |
| | 2 | 14 | 9 | 43.9 | 61 | 17.4 | 152 | 12.6 | 5.0 | -0.5A | 3 | 3 | 294 | 4 | 0.01 | 1.9 | 1.6 | B | 16 | 9 | 1.7 | 108 | 11 | 3.6 | 248 | 76 | |
| | 2 | 16 | 3 | 28.9 | 61 | 54.7 | 149 | 7.8 | 8.6 | 1.0 | 13 | 11 | 190 | 12 | 0.52 | 0.8 | 0.9 | A | 7 | 1 | 1.3 | 277 | 42 | 0.7 | 98 | 48 | |
| | 2 | 16 | 33 | 57.3 | 60 | 10.4 | 141 | 3.8 | 4.7 | 0.3A | 5 | 2 | 162 | 3 | 0.13 | 1.2 | 0.9 | A | 178 | 24 | 2.4 | 287 | 37 | 0.9 | 63 | 44 | |
| | 2 | 16 | 33 | 58.8 | 60 | 13.2 | 149 | 15.8 | 31.7 | 0.8A | 8 | 8 | 90 | 16 | 0.31 | 0.8 | 1.6 | B | 1 | 2 | 1.0 | 270 | 4 | 1.5 | 117 | 85 | |
| | 2 | 16 | 35 | 48.3 | 61 | 26.4 | 151 | 4.2 | 2.5 | 1.2 | 12 | 7 | 89 | 18 | 0.72 | 0.4 | 1.0 | A | 355 | 2 | 0.8 | 265 | 10 | 0.6 | 96 | 80 | |
| | 2 | 17 | 45 | 46.0 | 58 | 58.9 | 152 | 48.1 | 71.7 | 3.5 | 10 | 3 | 146 | 53 | 0.12 | 1.7 | 4.3 | C | 4 | 6 | 2.9 | 95 | 14 | 2.2 | 251 | 75 | |
| | | | | | 4.0 | MB | | 4.2 | ML | ATWC | | | | | | | | | | | | | | | 8.3 | | |
| | 2 | 22 | 13 | 22.5 | 61 | 7.2 | 149 | 44.4 | 18.7 | 1.0A | 12 | 7 | 105 | 17 | 0.42 | 1.0 | 1.2 | A | 203 | 15 | 0.8 | 301 | 28 | 1.5 | 88 | 58 | |
| | 2 | 22 | 16 | 19.5 | 60 | 11.1 | 139 | 46.0 | 11.4 | 1.2 | 8 | 4 | 203 | 27 | 0.54 | 2.3 | 1.6 | B | 303 | 12 | 1.0 | 206 | 31 | 4.9 | 52 | 56 | |
| | 3 | 1 | 6 | 13.6 | 60 | 10.8 | 141 | 4.5 | 13.6 | 0.8 | 13 | 7 | 110 | 4 | 0.55 | 0.9 | 0.6 | A | 287 | 2 | 0.5 | 196 | 27 | 1.8 | 21 | 63 | |
| | 3 | 3 | 27 | 9.8 | 60 | 18.5 | 141 | 23.2 | 11.1 | 1.3 | 19 | 10 | 108 | 19 | 0.53 | 0.5 | 0.7 | A | 81 | 9 | 0.6 | 321 | 20 | 0.4 | 188 | 53 | |
| | 3 | 4 | 29 | 2.5 | 61 | 0.7 | 151 | 17.3 | 65.0 | 2.4 | 26 | 14 | 63 | 30 | 0.58 | 0.4 | 0.8 | A | 42 | 4 | 0.6 | 133 | 7 | 1.1 | 283 | 82 | |
| | 3 | 4 | 53 | 14.3 | 60 | 28.7 | 143 | 16.7 | 3.3 | 1.1 | 14 | 7 | 113 | 24 | 0.68 | 0.6 | 0.6 | D | 271 | 2 | 0.5 | 1 | 2 | 0.9 | 136 | 87 | |
| | 3 | 10 | 58 | 43.3 | 61 | 8.3 | 151 | 12.3 | 64.6 | 2.3 | 28 | 17 | 56 | 44 | 0.62 | 0.4 | 0.8 | A | 81 | 11 | 0.5 | 164 | 11 | 0.7 | 303 | 73 | |
| | 3 | 14 | 31 | 16.0 | 61 | 47.9 | 148 | 57.8 | 15.2 | 0.4A | 10 | 7 | 105 | 4 | 0.26 | 0.6 | 0.8 | A | 112 | 20 | 1.0 | 213 | 27 | 0.7 | 350 | 55 | |
| | 3 | 15 | 40 | 18.0 | 60 | 15.0 | 140 | 56.2 | 13.4 | 1.1 | 12 | 7 | 129 | 12 | 0.17 | 0.8 | 0.9 | A | 309 | 5 | 0.6 | 43 | 42 | 0.9 | 214 | 48 | |
| | 3 | 17 | 50 | 51.3 | 60 | 14.7 | 141 | 0.5 | 9.0 | 1.3 | 13 | 7 | 124 | 10 | 0.36 | 0.8 | 0.8 | A | 301 | 2 | 0.5 | 209 | 44 | 2.0 | 33 | 46 | |
| | 3 | 23 | 49 | 22.5 | 60 | 19.3 | 141 | 12.8 | 14.3 | 1.1 | 8 | 120 | 21 | 0.33 | 0.6 | 0.8 | A | 304 | 8 | 0.6 | 38 | 28 | 0.9 | 199 | 61 | | |
| | 4 | 6 | 55 | 44.8 | 60 | 36.0 | 142 | 38.3 | 16.5 | 0.9 | 10 | 9 | 59 | 21 | 0.65 | 1.2 | 3.2 | C | 277 | 8 | 1.1 | 186 | 12 | 1.9 | 40 | 76 | |
| | 4 | 1 | 10 | 19.0 | 61 | 47.9 | 149 | 1.5 | 15.2 | 1.0 | 14 | 114 | 5 | 0.46 | 0.5 | 0.6 | A | 152 | 9 | 0.8 | 261 | 32 | 0.5 | 50 | 52 | | |
| | 4 | 4 | 19 | 27.8 | 61 | 50.4 | 149 | 0.7 | 7.3 | -0.3A | 3 | 2 | 305 | 2 | 0.03 | 2.8 | 1.0 | C | 81 | 4 | 5.3 | 349 | 3 | 0.7 | 261 | 8 | |
| | 4 | 4 | 9 | 27 | 4.3 | 60 | 23.1 | 147 | 52.6 | 23.8 | 2.9 | 39 | 10 | 91 | 57 | 0.55 | 0.4 | 0.7 | A | 349 | 3 | 0.7 | 262 | 0 | 0.4 | 352 | 74 |
| | 4 | 10 | 55 | 58.0 | 61 | 34.6 | 150 | 23.1 | 51.3 | 3.0 | 32 | 16 | 121 | 23 | 0.49 | 0.5 | 0.8 | A | 262 | 1 | 0.4 | 175 | 6 | 1.9 | 41 | 81 | |
| | 4 | 11 | 20 | 10.9 | 60 | 1.3 | 141 | 41.3 | 9.7 | 0.7 | 14 | 11 | 170 | 18 | 0.40 | 0.9 | 0.9 | A | 266 | 16 | 0.7 | 164 | 37 | 1.2 | 154 | 49 | |
| | 4 | 11 | 32 | 7.3 | 59 | 56.7 | 140 | 52.4 | 4.1 | 0.5A | 6 | 4 | 225 | 19 | 0.42 | 1.1 | 2.9 | C | 13 | 4 | 2.0 | 103 | 8 | 0.8 | 257 | 81 | |
| | 4 | 11 | 32 | 31.9 | 60 | 1.1 | 141 | 38.6 | 10.6 | 0.7 | 11 | 8 | 193 | 17 | 0.51 | 0.7 | 0.8 | A | 261 | 2 | 0.6 | 343 | 12 | 1.3 | 162 | 75 | |
| | 4 | 12 | 34 | 21.5 | 59 | 29.2 | 136 | 0.7 | 2.7 | 1.8 | 5 | 3 | 219 | 146 | 0.86 | 6.5 | 3.6 | D | 296 | 9 | 2.0 | 203 | 20 | 12.8 | 49 | 68 | |
| | 4 | 16 | 41 | 39.5 | 59 | 58.3 | 141 | 45.9 | 0.3 | 0.5A | 6 | 3 | 271 | 25 | 0.38 | 1.0 | 2.6 | B | 15 | 2 | 1.9 | 285 | 6 | 1.5 | 123 | 84 | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - NOVEMBER 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | |
|---------------------|-----|------|------|------|-------|-------|-------|-------|-----|-----|------|------|------|------|-----|------|------|------|------|------|-----|------|------|------|-----|
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 NOV 4 16 49 | 60 | 9.2 | 141 | 1.5 | 9.2 | 0.7 | 12 | 5 | 108 | 1 | 0.25 | 0.7 | 0.4 | A | 95 | 17 | 0.6 | 190 | 18 | 1.4 | 324 | 65 | 0.7 | | |
| 4 17 59 | 60 | 3.0 | 141 | 13.8 | 6.0 | 0.9 | 14 | 7 | 153 | 6 | 0.50 | 0.8 | 0.8 | A | 268 | 25 | 0.6 | 10 | 25 | 1.4 | 139 | 53 | 1.6 | | |
| 4 18 16 | 60 | 52.3 | 138 | 49.6 | 0.1 | 1.0A | 8 | 5 | 264 | 112 | 0.65 | 5.7 | 4.8 | D | 306 | 26 | 4.6 | 57 | 36 | 12.3 | 189 | 43 | 7.0 | | |
| 4 19 15 | 60 | 32.7 | 144 | 47.2 | 16.5 | 0.5 | 10 | 8 | 138 | 13 | 0.34 | 0.7 | 1.0 | A | 31 | 6 | 1.3 | 123 | 23 | 0.8 | 287 | 66 | 2.0 | | |
| 4 19 50 | 60 | 19.1 | 153 | 25.2 | 170.6 | 3.5 | 16 | 6 | 102 | 37 | 0.31 | 1.8 | 1.8 | B | 270 | 17 | 2.7 | 12 | 33 | 3.0 | 157 | 52 | 3.7 | | |
| 4 21 56 | 60 | 24.4 | 140 | 42.6 | 8.2 | 0.8 | 11 | 5 | 158 | 33 | 0.78 | 0.9 | 2.2 | B | 325 | 7 | 0.6 | 81 | 10 | 1.1 | 209 | 61 | 3.8 | | |
| 4 23 11 | 60 | 10.1 | 141 | 38.6 | 9.9 | 0.5A | 10 | 5 | 185 | 16 | 0.59 | 0.8 | 1.0 | A | 261 | 1 | 0.6 | 165 | 17 | 1.5 | 354 | 72 | 1.9 | | |
| 4 23 26 | 59 | 38.6 | 152 | 50.4 | 75.4 | 2.4 | 14 | 8 | 92 | 48 | 0.33 | 1.0 | 1.7 | B | 81 | 9 | 1.0 | 145 | 14 | 1.5 | 313 | 59 | 3.0 | | |
| 5 1 9 | 61 | 10.9 | 149 | 30.2 | 32.8 | 1.7 | 24 | 13 | 42 | 8 | 0.59 | 0.4 | 0.6 | A | 261 | 3 | 0.8 | 171 | 6 | 0.7 | 18 | 83 | 1.1 | | |
| 5 5 3 | 60 | 9.5 | 151 | 52.8 | 64.0 | 2.9 | 21 | 9 | 96 | 35 | 0.41 | 0.6 | 1.3 | A | 127 | 6 | 0.9 | 36 | 10 | 1.1 | 248 | 78 | 2.4 | | |
| 5 4 46 | 61 | 17.2 | 152 | 12.8 | 5.7 | -0.2A | 3 | 3 | 294 | 4 | 0.07 | 1.1 | 0.9 | A | 21 | 0 | 1.1 | 291 | 0 | 2.1 | 0 | 90 | 1.8 | | |
| 5 13 28 | 62 | 9.9 | 153 | 4.9 | 7.5 | 2.2 | 12 | 5 | 157 | 84 | 0.51 | 1.1 | 1.7 | B | 4 | 2.0 | 274 | 3 | 1.0 | 94 | 87 | 3.3 | | | |
| 5 14 3 | 61 | 17.7 | 152 | 15.1 | 6.4 | 2.0 | 19 | 11 | 121 | 6 | 1.16 | 0.6 | 0.4 | A | 211 | 13 | 0.6 | 114 | 29 | 1.3 | 322 | 58 | 0.5 | | |
| 5 19 29 | 61 | 9.8 | 152 | 11.6 | 8.1 | 0.0A | 3 | 3 | 296 | 8 | 0.06 | 1.4 | 1.6 | B | 330 | 14 | 1.3 | 261 | 35 | 1.9 | 81 | 48 | 3.2 | | |
| 6 0 18 | 60 | 29.6 | 59 | 52.5 | 153 | 6.7 | 106.1 | 2.6 | 14 | 5 | 117 | 38 | 0.19 | 2.0 | 2.1 | B | 81 | 13 | 1.8 | 160 | 41 | 3.0 | 336 | 46 | 4.3 |
| 6 2 23 | 61 | 7.4 | 150 | 29.1 | 15.0 | 1.5 | 17 | 9 | 72 | 40 | 0.68 | 0.5 | 1.2 | A | 195 | 3 | 0.9 | 285 | 4 | 0.7 | 68 | 85 | 2.3 | | |
| 6 4 45 | 59 | 2.0 | 152 | 36.0 | 71.9 | 2.4 | 10 | 5 | 251 | 58 | 0.20 | 3.1 | 6.9 | D | 356 | 7 | 5.6 | 87 | 9 | 2.5 | 229 | 79 | 13.2 | | |
| 6 6 17 | 59 | 57.4 | 140 | 42.8 | 2.0 | 1.2 | 9 | 5 | 178 | 28 | 0.44 | 1.2 | 1.3 | A | 287 | 4 | 1.0 | 194 | 38 | 2.0 | 22 | 52 | 2.7 | | |
| 6 10 30 | 60 | 45.2 | 61 | 51.7 | 149 | 17.2 | 6.1 | 1.0 | 111 | 17 | 0.74 | 0.8 | 1.1 | A | 174 | 7 | 1.3 | 268 | 31 | 0.6 | 73 | 58 | 2.5 | | |
| 6 11 43 | 60 | 11.4 | 60 | 29.2 | 143 | 2.4 | 1.9 | 0.8 | 5 | 144 | 11 | 0.63 | 1.1 | 8.8 | D | 31 | 2 | 1.7 | 300 | 4 | 1.4 | 147 | 85 | 16.5 | |
| 6 16 51 | 60 | 38.7 | 152 | 23.6 | 14.6 | 0.5 | 6 | 5 | 169 | 7 | 14.6 | 14.6 | 2.3 | D | 111 | 8 | 27.6 | 14 | 37 | 0.8 | 211 | 52 | 1.6 | | |
| 6 22 27 | 60 | 38.3 | 151 | 18.1 | 4.0 | 1.6 | 14 | 9 | 117 | 36 | 0.67 | 0.8 | 1.2 | A | 81 | 9 | 1.0 | 133 | 16 | 0.8 | 318 | 48 | 1.8 | | |
| 7 7 0 | 60 | 3.7 | 60 | 50.9 | 152 | 15.1 | 6.9 | 0.4A | 3 | 180 | 32 | 0.29 | 25.0 | 3.4 | D | 106 | 3 | 99.0 | 15 | 7 | 0.8 | 219 | 82 | 3.5 | |
| 7 7 4 | 61 | 22.0 | 61 | 29.8 | 151 | 11.4 | 6.7 | 0.6A | 5 | 4 | 135 | 24 | 0.57 | 0.8 | 1.2 | A | 261 | 9 | 0.8 | 352 | 25 | 1.2 | 152 | 64 | 2.3 |
| 7 7 7 | 60 | 34.3 | 60 | 18.4 | 143 | 7.6 | 11.0 | 1.4 | 11 | 8 | 149 | 20 | 0.79 | 0.6 | 1.4 | B | 6 | 8 | 1.1 | 275 | 9 | 0.7 | 137 | 78 | 2.8 |
| 7 7 8 | 61 | 8.6 | 61 | 59.5 | 150 | 3.4 | 40.8 | 2.4 | 30 | 15 | 108 | 39 | 0.67 | 1.0 | 1.5 | B | 271 | 0 | 0.8 | 1 | 18 | 1.6 | 181 | 72 | 2.8 |
| 7 7 12 | 61 | 15.0 | 61 | 18.0 | 152 | 11.5 | 3.8 | 0.3 | 3 | 293 | 4 | 0.10 | 1.6 | 1.9 | B | 28 | 11 | 1.4 | 295 | 15 | 2.9 | 153 | 71 | 3.7 | |
| 7 7 20 | 60 | 33.2 | 60 | 30.9 | 142 | 29.0 | 2.3 | 1.1 | 4 | 89 | 10 | 0.43 | 1.2 | 5.6 | D | 355 | 4 | 0.9 | 264 | 4 | 2.1 | 130 | 84 | 10.5 | |
| 7 7 22 | 60 | 16.8 | 59 | 41.6 | 150 | 57.5 | 35.1 | 2.3 | 18 | 6 | 194 | 9 | 0.49 | 1.3 | 1.4 | B | 261 | 1 | 1.2 | 348 | 40 | 2.1 | 170 | 50 | 2.9 |
| 7 8 0 | 60 | 27.0 | 61 | 17.6 | 152 | 11.5 | 8.2 | 0.6 | 4 | 235 | 4 | 1.6 | 1.3 | 0.7 | A | 98 | 12 | 2.4 | 347 | 42 | 0.6 | 201 | 46 | 1.7 | |
| 7 8 1 | 61 | 21.9 | 59 | 37.6 | 152 | 20.6 | 81.5 | 2.8 | 18 | 6 | 104 | 67 | 0.32 | 0.9 | 1.4 | B | 81 | 12 | 2.4 | 328 | 17 | 0.9 | 261 | 29 | 4.8 |
| 7 8 15 | 58 | 48.7 | 58 | 42.8 | 137 | 26.5 | 27.5 | 1.6 | 4 | 356 | 116 | 0.32 | 25.0 | 25.0 | D | 261 | 0 | 99.0 | 315 | 34 | 9.0 | 171 | 42 | 99.0 | |
| 7 9 0 | 59 | 36.1 | 59 | 7.3 | 144 | 25.5 | 24.3 | 2.0 | 18 | 8 | 264 | 90 | 0.34 | 1.8 | 1.1 | B | 106 | 4 | 2.0 | 197 | 18 | 3.5 | 4 | 72 | 2.0 |
| 7 9 4 | 60 | 10.2 | 60 | 15.2 | 140 | 44.7 | 13.8 | 1.1 | 9 | 7 | 140 | 19 | 0.26 | 0.7 | 0.9 | A | 299 | 3 | 0.5 | 31 | 37 | 0.7 | 205 | 53 | 2.1 |
| 7 9 8 | 61 | 45.2 | 59 | 49.0 | 138 | 57.1 | 29.5 | 0.9 | 8 | 4 | 219 | 30 | 0.59 | 2.7 | 1.7 | B | 328 | 17 | 0.9 | 261 | 29 | 4.8 | 91 | 50 | 2.3 |
| 7 9 10 | 61 | 10.3 | 152 | 9.1 | 4.7 | 0.0A | 3 | 3 | 281 | 5 | 0.04 | 1.3 | 1.7 | B | 261 | 11 | 2.0 | 322 | 20 | 1.0 | 139 | 54 | 2.9 | | |
| 7 9 12 | 61 | 12.2 | 61 | 8.4 | 152 | 16.7 | 6.9 | 0.1 | 3 | 316 | 13 | 0.02 | 1.5 | 2.9 | C | 335 | 6 | 1.6 | 261 | 22 | 1.9 | 80 | 62 | 5.6 | |
| 7 9 16 | 61 | 20.5 | 59 | 58.0 | 140 | 7.9 | 14.3 | 0.6 | 8 | 4 | 295 | 8 | 0.37 | 1.3 | 1.2 | A | 194 | 30 | 0.9 | 306 | 33 | 1.4 | 72 | 42 | 3.0 |
| 7 9 21 | 60 | 17.5 | 140 | 40.3 | 14.6 | 1.0 | 10 | 6 | 148 | 25 | 0.33 | 0.9 | 1.2 | A | 304 | 6 | 0.6 | 38 | 37 | 1.1 | 206 | 52 | 2.3 | | |
| 7 9 18 | 61 | 23.6 | 61 | 9.9 | 152 | 11.7 | 8.0 | -0.1 | 3 | 4 | 294 | 8 | 0.32 | 1.3 | 1.2 | A | 193 | 29 | 0.9 | 305 | 33 | 1.3 | 72 | 43 | 3.0 |
| 7 9 19 | 60 | 15.3 | 141 | 35.8 | 9.4 | 1.0 | 12 | 8 | 113 | 23 | 0.97 | 0.8 | 0.8 | A | 204 | 15 | 0.5 | 303 | 28 | 1.5 | 89 | 57 | 1.5 | | |
| 7 9 20 | 60 | 46.9 | 60 | 30.5 | 143 | 1.7 | 3.2 | 0.4 | 8 | 93 | 14 | 0.29 | 0.6 | 0.7 | A | 221 | 12 | 0.9 | 322 | 25 | 0.8 | 335 | 62 | 1.3 | |
| 7 9 21 | 60 | 19.0 | 59 | 56.7 | 141 | 46.9 | 8.4 | 1.1A | 15 | 7 | 181 | 12 | 0.37 | 0.9 | 3.6 | C | 279 | 5 | 0.8 | 10 | 8 | 1.3 | 157 | 81 | 6.9 |
| 7 9 22 | 60 | 10.4 | 60 | 16.4 | 140 | 39.1 | 13.4 | 1.3 | 14 | 9 | 147 | 25 | 0.48 | 0.7 | 0.8 | A | 295 | 4 | 0.5 | 29 | 38 | 0.7 | 200 | 52 | 2.3 |
| 7 9 23 | 60 | 22.2 | 61 | 11.4 | 152 | 12.1 | 7.1 | -0.1A | 3 | 3 | 280 | 8 | 0.01 | 1.2 | 1.4 | B | 337 | 7 | 1.1 | 261 | 29 | 2.0 | 80 | 57 | 2.8 |
| 7 9 24 | 60 | 22.6 | 60 | 40.8 | 152 | 48.6 | 132.0 | 3.3 | 24 | 8 | 96 | 25 | 0.31 | 1.1 | 1.3 | A | 114 | 4 | 2.0 | 205 | 13 | 1.4 | 7 | 76 | 2.5 |
| 7 9 25 | 60 | 15.3 | 140 | 47.6 | 9.3 | 0.9A | 7 | 5 | 137 | 28 | 0.30 | 0.9 | 1.4 | B | 305 | 8 | 0.6 | 39 | 25 | 1.2 | 199 | 64 | 2.9 | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - NOVEMBER 1984

| ORIGIN TIME | LAT N | | | LONG W | | | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ Q | AZI | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 |
|-----------------------|-------|------|------|--------|-------|------|-----|-----|-----|------|------|------|------|-------|-----|------|------|-----|------|------|-----|------|------|
| | HR | MN | SEC | DEG | MIN | DEG | | | | | | | | | | | | | | | | | |
| 1984 NOV 11 2 56 20.6 | 60 | 28.3 | 140 | 2.8 | 6.5 | 1.3A | 7 | 5 | 201 | 43 | 0.50 | 0.9 | 1.5 | B | 334 | 7 | 0.7 | 81 | 15 | 1.5 | 223 | 66 | 2.8 |
| 11 5 45 42.9 | 61 | 20.5 | 147 | 19.4 | 25.8 | 3.3 | 29 | 13 | 77 | 30 | 0.48 | 0.4 | 0.6 | A | 294 | 0 | 0.5 | 204 | 7 | 0.8 | 24 | 83 | 1.2 |
| 11 11 11 16.6 | 60 | 1.1 | 141 | 41.9 | 6.7 | 0.7 | 9 | 7 | 171 | 19 | 0.38 | 0.7 | 0.6 | A | 82 | 7 | 0.7 | 347 | 34 | 1.4 | 182 | 55 | 1.1 |
| 11 13 27 45.6 | 60 | 14.9 | 141 | 2.0 | 10.6 | 0.8 | 9 | 5 | 122 | 10 | 0.18 | 0.8 | 0.9 | A | 94 | 14 | 0.8 | 353 | 37 | 0.6 | 201 | 50 | 2.2 |
| 11 21 3 31.8 | 59 | 43.1 | 138 | 59.4 | 12.5 | 2.1 | 9 | 2 | 210 | 24 | 0.85 | 2.4 | 1.3 | B | 323 | 16 | 0.8 | 261 | 23 | 4.0 | 94 | 51 | 1.9 |
| 12 0 41 8.1 | 60 | 25.3 | 141 | 12.3 | 16.7 | 0.7 | 11 | 7 | 127 | 31 | 0.42 | 0.8 | 1.0 | B | 336 | 10 | 0.8 | 81 | 15 | 1.0 | 217 | 67 | 3.0 |
| 12 2 30 6.0 | 61 | 18.7 | 152 | 18.7 | 4.1 | 0.9 | 6 | 7 | 205 | 10 | 0.83 | 0.8 | 1.0 | A | 261 | 26 | 0.9 | 345 | 27 | 0.7 | 124 | 53 | 2.2 |
| 12 5 4 16.7 | 58 | 10.0 | 137 | 23.0 | 1.5 | 1.9 | 6 | 3 | 182 | 167 | 0.47 | 25.0 | 2.7 | D | 81 | 5 | 66.7 | 152 | 21 | 6.9 | 338 | 62 | 3.8 |
| 12 8 16 42.6 | 57 | 56.9 | 140 | 39.7 | 16.6 | 2.3 | 11 | 4 | 287 | 200 | 0.34 | 25.0 | 25.0 | D | 317 | 23 | 9.0 | 81 | 24 | 5.5 | 200 | 44 | 87.5 |
| 12 20 15 20.8 | 59 | 29.6 | 152 | 38.3 | 84.6 | 2.7 | 16 | 6 | 105 | 48 | 0.26 | 1.1 | 1.5 | B | 81 | 12 | 1.1 | 329 | 12 | 1.7 | 205 | 63 | 2.9 |
| 13 0 37 49.5 | 61 | 59.5 | 150 | 47.1 | 68.8 | 3.0 | 25 | 10 | 177 | 39 | 0.51 | 1.1 | 1.3 | A | 81 | 1 | 0.8 | 169 | 21 | 1.9 | 348 | 69 | 2.5 |
| 13 0 41 9.9 | 60 | 42.6 | 143 | 7.0 | 7.2 | 0.7 | 6 | 4 | 84 | 33 | 0.36 | 0.6 | 4.8 | C | 20 | 2 | 0.7 | 290 | 4 | 0.9 | 137 | 86 | 9.1 |
| 13 0 50 31.5 | 60 | 31.8 | 144 | 45.5 | 27.5 | 0.6A | 7 | 6 | 107 | 16 | 0.38 | 1.2 | 0.7 | A | 355 | 31 | 1.2 | 261 | 35 | 2.2 | 124 | 44 | 0.9 |
| 13 1 46 42.2 | 59 | 21.5 | 152 | 50.3 | 88.7 | 2.4 | 13 | 3 | 201 | 34 | 0.33 | 1.4 | 3.0 | C | 35 | 3 | 1.7 | 126 | 16 | 2.1 | 295 | 74 | 5.9 |
| 13 7 39 45.0 | 60 | 0.6 | 141 | 55.6 | 5.8 | 1.0 | 13 | 8 | 201 | 7 | 0.48 | 0.8 | 0.5 | A | 353 | 11 | 1.5 | 86 | 17 | 0.5 | 231 | 70 | 1.0 |
| 13 8 1 17.5 | 60 | 4.0 | 152 | 46.2 | 100.8 | 2.7 | 17 | 6 | 98 | 13 | 0.31 | 0.8 | 1.0 | A | 225 | 3 | 1.3 | 135 | 3 | 1.6 | 0 | 86 | 1.8 |
| 13 8 31 10.1 | 61 | 17.3 | 152 | 16.8 | 5.6 | 0.9 | 7 | 8 | 202 | 7 | 0.64 | 0.9 | 0.7 | A | 218 | 25 | 0.7 | 107 | 36 | 2.0 | 334 | 43 | 0.6 |
| 13 8 58 50.3 | 60 | 27.5 | 147 | 44.1 | 18.5 | 2.4 | 35 | 14 | 80 | 55 | 0.54 | 0.4 | 0.7 | A | 349 | 8 | 0.7 | 261 | 14 | 0.4 | 109 | 74 | 1.3 |
| 13 11 19 35.9 | 60 | 18.2 | 140 | 57.4 | 12.0 | 1.0 | 12 | 7 | 133 | 17 | 0.31 | 0.6 | 1.1 | A | 81 | 12 | 0.7 | 339 | 20 | 0.6 | 198 | 64 | 2.2 |
| 13 19 11 48.6 | 60 | 14.5 | 141 | 0.2 | 8.5 | 0.8 | 5 | 4 | 150 | 10 | 0.19 | 2.3 | 2.3 | B | 75 | 29 | 1.0 | 324 | 32 | 0.7 | 197 | 44 | 6.0 |
| 13 21 38 43.8 | 59 | 55.3 | 141 | 30.7 | 9.9 | 11 | 6 | 214 | 25 | 0.50 | 0.6 | 1.1 | A | 166 | 10 | 1.1 | 261 | 12 | 1.7 | 38 | 74 | 2.2 | |
| 13 22 11 31.3 | 62 | 5.2 | 149 | 42.1 | 48.5 | 2.4 | 28 | 12 | 184 | 47 | 0.51 | 0.9 | 1.1 | A | 279 | 9 | 0.7 | 14 | 29 | 1.5 | 173 | 59 | 2.2 |
| 13 23 29 44.5 | 61 | 52.2 | 149 | 40.6 | 5.5 | 2.1 | 30 | 15 | 162 | 38 | 0.87 | 0.6 | 1.0 | A | 178 | 7 | 1.0 | 271 | 25 | 0.4 | 73 | 64 | 2.1 |
| 14 0 12 39.9 | 61 | 47.8 | 149 | 2.6 | 14.6 | 1.1 | 24 | 15 | 121 | 6 | 0.70 | 0.6 | 0.5 | A | 148 | 8 | 0.7 | 81 | 42 | 1.1 | 247 | 43 | 0.5 |
| 14 1 29 9.5 | 61 | 30.6 | 140 | 26.2 | 3.8 | 1.4A | 7 | 4 | 267 | 77 | 0.51 | 3.7 | 25.0 | D | 115 | 1 | 2.4 | 25 | 3 | 4.5 | 223 | 87 | 99.0 |
| 14 3 56 38.5 | 61 | 46.7 | 148 | 59.7 | 13.3 | 0.8 | 18 | 10 | 91 | 4 | 0.43 | 0.6 | 0.5 | A | 309 | 6 | 0.8 | 261 | 44 | 0.5 | 44 | 32 | 0.9 |
| 14 5 59 50.2 | 60 | 14.2 | 140 | 58.2 | 10.1 | 0.9 | 12 | 5 | 125 | 10 | 0.19 | 0.9 | 0.9 | A | 310 | 24 | 0.6 | 58 | 35 | 0.7 | 193 | 45 | 2.3 |
| 14 7 0 52.4 | 59 | 49.1 | 141 | 24.1 | 9.9 | 1.5 | 14 | 7 | 186 | 43 | 0.72 | 0.6 | 1.1 | A | 94 | 2 | 0.6 | 184 | 15 | 1.1 | 357 | 75 | 2.1 |
| 14 9 26 6.3 | 61 | 19.7 | 149 | 18.1 | 36.3 | 0.9A | 15 | 8 | 75 | 17 | 0.37 | 0.8 | 0.8 | A | 34 | 4 | 0.9 | 128 | 42 | 1.4 | 300 | 48 | 1.7 |
| 14 11 57 58.8 | 60 | 31.0 | 153 | 0.9 | 162.8 | 3.5 | 18 | 7 | 89 | 34 | 0.25 | 1.4 | 1.2 | B | 134 | 5 | 2.6 | 43 | 11 | 1.3 | 248 | 78 | 2.3 |
| 14 21 22 44.5 | 60 | 18.0 | 141 | 18.1 | 16.3 | 0.9 | 18 | 6 | 112 | 19 | 0.26 | 0.5 | 0.6 | A | 308 | 9 | 0.5 | 43 | 28 | 0.7 | 202 | 60 | 1.3 |
| 15 2 5 24.3 | 60 | 18.6 | 140 | 31.7 | 8.7 | 0.3A | 7 | 4 | 159 | 28 | 0.71 | 1.5 | 2.9 | C | 290 | 9 | 0.8 | 23 | 19 | 2.0 | 176 | 69 | 5.7 |
| 15 7 10 7.3 | 60 | 31.3 | 142 | 59.6 | 0.8 | 0.2A | 6 | 6 | 106 | 11 | 0.65 | 1.2 | 18.8 | D | 357 | 1 | 0.7 | 267 | 2 | 1.8 | 114 | 88 | 35.3 |
| 15 10 39 52.8 | 59 | 28.6 | 138 | 43.4 | 11.1 | 1.1 | 4 | 4 | 296 | 9 | 0.40 | 6.0 | 3.9 | D | 105 | 19 | 2.4 | 208 | 33 | 13.4 | 350 | 51 | 1.0 |
| 15 10 57 41.5 | 60 | 22.6 | 141 | 17.3 | 14.1 | 1.7 | 22 | 16 | 119 | 25 | 0.48 | 0.4 | 0.6 | A | 81 | 12 | 0.6 | 330 | 14 | 0.5 | 202 | 62 | 1.1 |
| 15 11 6 10.9 | 60 | 22.5 | 141 | 15.5 | 10.9 | 0.3A | 10 | 6 | 120 | 27 | 0.35 | 0.8 | 1.7 | B | 322 | 5 | 0.8 | 81 | 13 | 0.9 | 216 | 58 | 2.9 |
| 15 12 53 30.6 | 61 | 31.4 | 151 | 13.7 | 8.0 | 0.5A | 4 | 4 | 136 | 27 | 0.50 | 1.2 | 2.5 | B | 1 | 10 | 0.9 | 267 | 22 | 0.7 | 114 | 66 | 5.2 |
| 15 13 53 34.2 | 61 | 7.5 | 146 | 29.5 | 15.4 | 0.6A | 6 | 6 | 166 | 8 | 0.34 | 1.2 | 0.7 | A | 32 | 3 | 0.6 | 123 | 18 | 2.3 | 293 | 72 | 1.3 |
| 15 15 4 28.4 | 60 | 6.5 | 141 | 18.2 | 2.9 | 1.5 | 16 | 10 | 142 | 10 | 0.47 | 0.5 | 0.5 | A | 282 | 4 | 0.3 | 189 | 31 | 1.9 | 59 | 9.9 | 1.6 |
| 15 16 4 22 59.0 | 61 | 48.8 | 148 | 55.1 | 15.6 | 1.6 | 26 | 14 | 118 | 4 | 0.60 | 0.6 | 0.5 | A | 136 | 10 | 0.8 | 261 | 44 | 0.7 | 38 | 35 | 1.1 |
| 15 21 22 30.6 | 60 | 26.0 | 144 | 23.3 | 26.1 | 2.6 | 32 | 11 | 70 | 13 | 0.38 | 0.4 | 0.3 | A | 83 | 25 | 0.5 | 190 | 32 | 0.9 | 323 | 47 | 0.5 |
| 15 22 34 4.6 | 61 | 1.2 | 152 | 30.3 | 18.4 | 0.5A | 4 | 4 | 220 | 30 | 0.03 | 3.0 | 6.0 | D | 198 | 4 | 0.6 | 290 | 23 | 3.2 | 99 | 67 | 12.1 |
| 15 23 51 3.8 | 60 | 37.5 | 144 | 40.0 | 0.2 | 1.1A | 8 | 7 | 106 | 31 | 0.44 | 1.0 | 3.0 | C | 33 | 7 | 1.5 | 125 | 12 | 0.6 | 273 | 76 | 5.9 |
| 16 2 17 37.5 | 60 | 58.3 | 152 | 6.8 | 9.2 | 0.3A | 4 | 3 | 191 | 24 | 0.40 | 7.8 | 0.8 | D | 284 | 0 | 14.6 | 194 | 15 | 0.6 | 14 | 75 | 1.6 |
| 16 4 22 59.0 | 61 | 48.8 | 148 | 55.1 | 16.4 | 1.7 | 27 | 16 | 124 | 4 | 0.60 | 0.4 | 0.4 | A | 137 | 25 | 0.7 | 261 | 34 | 0.6 | 39 | 9.9 | 0.9 |
| 16 7 0 47.8 | 61 | 48.6 | 148 | 53.8 | 16.4 | 1.7 | 27 | 16 | 124 | 4 | 0.60 | 0.4 | 0.4 | A | 137 | 25 | 0.7 | 261 | 34 | 0.6 | 39 | 9.9 | 0.9 |
| 16 9 33 4.2 | 59 | 57.4 | 21.4 | 31.7 | 0.5A | 7 | 4 | 235 | 29 | 0.34 | 1.7 | 1.9 | B | 261 | 2 | 1.5 | 351 | 28 | 3.1 | 167 | 62 | 3.7 | |
| 16 10 7 29.9 | 60 | 11.2 | 141 | 7.8 | 11.0 | 1.3 | 15 | 6 | 129 | 6 | 0.39 | 0.8 | 0.6 | A | 194 | 21 | 1.6 | 296 | 29 | 0.6 | 73 | 53 | 1.0 |
| 16 13 56 22.7 | 61 | 16.0 | 152 | 12.1 | 3.1 | 0.7 | 3 | 3 | 287 | 3 | 0.05 | 1.1 | 0.9 | A | 192 | 8 | 0.9 | 101 | 8 | 2.2 | 327 | 79 | 1.7 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - NOVEMBER 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | | | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | | |
|----------------|-----|----|------|------|-------|------|------|------|------|-------|-----|-----|-----|------|------|------|------|------|-----|-----|------|-----|-----|------|-----|------|------|-----|
| | | | | | | | | | | | | DEG | MIN | KM | DEG | MIN | KM | DEG | DEG | KM | DEG | DEG | KM | DEG | DEG | KM | | |
| 1984 NOV 16 | 17 | 1 | 50.8 | 61 | 55.4 | 148 | 56.0 | 8.4 | 2.0 | 30 | 17 | 167 | 10 | 0.69 | 0.5 | 0.4 | A | 34 | 28 | 0.6 | 147 | 36 | 1.0 | 276 | 41 | 0.5 | | |
| | 16 | 17 | 59 | 32.0 | 60 | 12.4 | 141 | 2.3 | 13.8 | 1.1 | 11 | 4 | 6 | 0.35 | 1.3 | 0.8 | B | 311 | 28 | 0.7 | 204 | 28 | 2.8 | 78 | 48 | 0.9 | | |
| | 16 | 18 | 57 | 2.6 | 59 | 35.6 | 151 | 8.6 | 39.0 | 2.1 | 15 | 6 | 143 | 24 | 0.32 | 1.6 | 1.5 | B | 278 | 9 | 1.2 | 184 | 25 | 3.2 | 63 | 63 | 2.7 | |
| | 16 | 21 | 45 | 14.0 | 59 | 41.4 | 148 | 42.2 | 36.0 | 2.3 | 27 | 6 | 205 | 62 | 0.50 | 0.9 | 0.9 | A | 277 | 13 | 0.8 | 178 | 33 | 1.9 | 25 | 54 | 1.5 | |
| | 17 | 0 | 39 | 31.9 | 58 | 51.3 | 152 | 29.8 | 72.3 | 2.7 | 9 | 4 | 136 | 75 | 0.34 | 1.7 | 3.7 | C | 347 | 0 | 1.7 | 81 | 18 | 2.3 | 257 | 72 | 7.3 | |
| | 17 | 2 | 3 | 25.9 | 60 | 54.7 | 152 | 30.9 | 3.4 | 2.4 | 24 | 13 | 105 | 38 | 0.80 | 0.8 | 0.6 | A | 193 | 19 | 0.6 | 293 | 29 | 1.6 | 74 | 55 | 0.9 | |
| | 17 | 5 | 35 | 14.1 | 60 | 15.2 | 141 | 0.2 | 6.7 | 0.6 | 6 | 4 | 125 | 11 | 0.41 | 0.9 | 1.2 | A | 81 | 13 | 1.1 | 340 | 30 | 0.6 | 191 | 56 | 2.7 | |
| | 17 | 6 | 31 | 1.3 | 60 | 11.9 | 141 | 11.9 | 2.1 | 0.8 | 9 | 3 | 130 | 10 | 0.46 | 1.2 | 1.3 | B | 297 | 5 | 0.5 | 31 | 36 | 1.6 | 200 | 54 | 2.9 | |
| | 17 | 14 | 30 | 47.2 | 62 | 16.8 | 148 | 5.2 | 43.2 | 2.4 | 25 | 15 | 199 | 54 | 0.50 | 1.0 | 1.9 | B | 81 | 9 | 0.8 | 349 | 13 | 1.6 | 205 | 74 | 3.6 | |
| | 17 | 15 | 17 | 16.2 | 61 | 46.9 | 149 | 2.7 | 13.9 | 0.9 | 16 | 11 | 112 | 6 | 0.56 | 0.4 | 0.4 | A | 350 | 14 | 0.6 | 93 | 42 | 1.0 | 246 | 45 | 0.5 | |
| | 17 | 18 | 35 | 37.4 | 60 | 7.1 | 141 | 5.7 | 8.5 | 1.1 | 11 | 4 | 141 | 5 | 0.50 | 1.1 | 0.6 | A | 294 | 2 | 0.6 | 25 | 17 | 2.1 | 197 | 73 | 1.0 | |
| | 17 | 23 | 36 | 28.8 | 61 | 27.8 | 147 | 59.5 | 27.1 | 2.2 | 26 | 14 | 65 | 25 | 0.49 | 0.4 | 0.7 | A | 25 | 0 | 0.8 | 115 | 2 | 2.5 | 295 | 88 | 1.2 | |
| | 18 | 7 | 14 | 46.0 | 60 | 14.8 | 141 | 4.5 | 1.1 | 1.0 | 10 | 10 | 120 | 11 | 0.48 | 0.8 | 1.4 | B | 310 | 11 | 0.7 | 44 | 20 | 1.1 | 193 | 67 | 2.7 | |
| | 18 | 7 | 24 | 52.5 | 60 | 5.2 | 141 | 10.7 | 3.2 | 0.7A | 4 | 2 | 226 | 11 | 0.10 | 2.5 | 3.6 | C | 278 | 16 | 1.2 | 180 | 27 | 2.8 | 35 | 58 | 7.9 | |
| | 18 | 7 | 26 | 18.7 | 58 | 13.6 | 151 | 17.3 | 45.0 | 2.5 | 10 | 4 | 208 | 89 | 0.52 | 5.5 | 7.9 | D | 301 | 12 | 9.9 | 33 | 13 | 1.8 | 169 | 72 | 15.5 | |
| | 18 | 10 | 34 | 12.6 | 61 | 16.0 | 152 | 18.6 | 6.0 | 0.1A | 3 | 3 | 310 | 8 | 0.01 | 2.2 | 3.1 | C | 193 | 7 | 2.4 | 286 | 26 | 3.3 | 89 | 63 | 6.3 | |
| | 18 | 11 | 24 | 54.4 | 61 | 37.9 | 146 | 33.1 | 26.1 | 2.3 | 34 | 19 | 81 | 37 | 0.71 | 0.4 | 0.9 | A | 287 | 2 | 0.5 | 197 | 7 | 0.7 | 33 | 83 | 1.7 | |
| | 18 | 13 | 28 | 12.3 | 61 | 12.4 | 141 | 10.9 | 1.6 | 1.8 | 12 | 4 | 228 | 28 | 0.47 | 1.8 | 4.4 | C | 81 | 1 | 2.7 | 318 | 3 | 1.5 | 184 | 57 | 6.9 | |
| | 18 | 14 | 59 | 5.3 | 60 | 12.7 | 140 | 56.2 | 9.0 | 1.0 | 8 | 2 | 123 | 8 | 0.13 | 1.6 | 1.6 | B | 110 | 6 | 1.2 | 14 | 43 | 1.0 | 206 | 46 | 4.1 | |
| | 18 | 18 | 21 | 34.3 | 61 | 6.3 | 146 | 31.9 | 17.7 | -0.1 | 3 | 204 | 5 | 0.31 | 25.0 | 18.3 | D | 145 | 145 | 0 | 99.0 | 272 | 3 | 0.7 | 40 | 52 | 3.1 | |
| | 18 | 19 | 10 | 54.5 | 61 | 21.6 | 148 | 55.5 | 28.9 | 1.0 | 16 | 4 | 45 | 26 | 0.62 | 0.6 | 1.1 | A | 177 | 5 | 0.7 | 268 | 16 | 0.9 | 70 | 73 | 2.1 | |
| | 19 | 2 | 17 | 47.7 | 61 | 40.2 | 149 | 38.8 | 37.5 | 2.5 | 31 | 19 | 132 | 12 | 0.66 | 0.6 | 0.5 | A | 266 | 1 | 0.6 | 357 | 37 | 1.2 | 175 | 53 | 0.8 | |
| | 19 | 3 | 36 | 54.7 | 60 | 14.6 | 140 | 53.0 | 12.6 | 1.5 | 14 | 8 | 131 | 13 | 0.21 | 0.8 | 0.8 | A | 290 | 0 | 0.7 | 20 | 44 | 1.0 | 200 | 46 | 1.8 | |
| | 19 | 5 | 24 | 15.7 | 60 | 36.2 | 141 | 44.7 | 17.4 | 0.4A | 3 | 2 | 158 | 27 | 0.13 | 14.1 | 11.9 | D | 341 | 13 | 1.2 | 261 | 43 | 33.1 | 85 | 45 | 3.0 | |
| | 19 | 17 | 22 | 49.4 | 59 | 60.0 | 141 | 35.8 | 4.7 | 1.3 | 11 | 8 | 174 | 25 | 0.60 | 0.7 | 1.0 | A | 272 | 3 | 0.7 | 182 | 6 | 1.4 | 29 | 83 | 1.9 | |
| | 19 | 19 | 3 | 51.9 | 61 | 18.6 | 150 | 33.0 | 13.2 | 1.3 | 19 | 10 | 85 | 20 | 0.70 | 0.5 | 0.7 | A | 298 | 0 | 0.6 | 208 | 24 | 0.8 | 28 | 66 | 1.3 | |
| | 20 | 0 | 12 | 14.5 | 59 | 56.7 | 141 | 34.7 | 4.5 | 1.0A | 6 | 3 | 216 | 23 | 0.41 | 1.2 | 3.0 | C | 175 | 5 | 2.3 | 265 | 7 | 1.6 | 50 | 81 | 5.7 | |
| | 20 | 0 | 24 | 2.0 | 59 | 55.7 | 141 | 35.1 | 4.0 | 0.9A | 4 | 4 | 260 | 25 | 0.26 | 1.3 | 3.0 | C | 174 | 2 | 2.5 | 264 | 11 | 1.6 | 74 | 79 | 5.8 | |
| | 20 | 1 | 28 | 44.7 | 60 | 16.3 | 146 | 6.9 | 8.8 | 1.4 | 15 | 8 | 121 | 14 | 0.27 | 0.6 | 0.8 | A | 305 | 15 | 0.6 | 243 | 30 | 0.8 | 192 | 56 | 1.8 | |
| | 20 | 2 | 7 | 14.1 | 61 | 33.5 | 151 | 17.0 | 2.0 | 0.4A | 5 | 5 | 115 | 31 | 0.58 | 0.7 | 2.4 | B | 261 | 6 | 0.9 | 333 | 10 | 1.1 | 136 | 69 | 4.3 | |
| | 20 | 3 | 7 | 43.4 | 61 | 41.0 | 151 | 0.5 | 4.5 | 1.3 | 5 | 5 | 124 | 28 | 0.72 | 0.9 | 1.3 | A | 81 | 4 | 1.4 | 139 | 13 | 0.7 | 334 | 56 | 2.1 | |
| | 20 | 3 | 28 | 8.2 | 61 | 31.6 | 151 | 10.0 | 16.3 | 0.5A | 4 | 4 | 128 | 24 | 0.47 | 2.4 | 14.9 | D | 261 | 6 | 1.3 | 331 | 8 | 1.5 | 128 | 68 | 26.5 | |
| | 20 | 3 | 57 | 4.6 | 59 | 58.5 | 141 | 32.5 | 3.9 | 1.1A | 7 | 4 | 206 | 20 | 0.54 | 0.9 | 1.8 | B | 261 | 4 | 0.9 | 160 | 13 | 1.4 | 7 | 73 | 3.4 | |
| | 20 | 4 | 4 | 24.3 | 61 | 10.1 | 150 | 7.6 | 15.8 | 1.0A | 11 | 10 | 88 | 32 | 0.65 | 0.5 | 1.4 | B | 190 | 5 | 0.9 | 281 | 7 | 0.8 | 65 | 81 | 2.7 | |
| | 20 | 5 | 1 | 38.7 | 59 | 58.5 | 141 | 33.0 | 6.1 | 2.2 | 1.0 | 7 | 4 | 229 | 20 | 0.32 | 1.2 | 2.2 | B | 270 | 3 | 1.2 | 180 | 8 | 1.8 | 20 | 81 | 4.1 |
| | 20 | 9 | 25 | 4.2 | 61 | 4.9 | 149 | 41.1 | 41.0 | 1.0A | 9 | 8 | 104 | 19 | 0.38 | 1.2 | 1.5 | B | 189 | 1 | 1.2 | 98 | 24 | 2.0 | 281 | 66 | 3.0 | |
| | 20 | 11 | 31 | 53.7 | 60 | 0.5 | 148 | 54.1 | 13.0 | 2.3 | 3.3 | 11 | 175 | 32 | 0.69 | 0.9 | 0.9 | A | 279 | 11 | 0.8 | 20 | 44 | 1.3 | 178 | 44 | 2.0 | |
| | 20 | 12 | 17 | 29.8 | 62 | 23.5 | 149 | 39.4 | 47.2 | 2.4 | 26 | 6 | 132 | 71 | 0.49 | 1.0 | 4.0 | C | 275 | 2 | 1.3 | 5 | 4 | 1.9 | 158 | 86 | 7.6 | |
| | 20 | 14 | 15 | 20.8 | 60 | 21.7 | 141 | 1.0 | 1.5 | 1.8 | 11 | 3 | 139 | 23 | 0.56 | 1.8 | 3.2 | C | 317 | 6 | 1.4 | 81 | 14 | 2.2 | 211 | 53 | 5.5 | |
| | 20 | 14 | 54 | 10.1 | 61 | 47.1 | 148 | 58.9 | 14.0 | 1.1 | 12 | 9 | 87 | 3 | 0.47 | 0.6 | 0.6 | A | 339 | 2 | 1.1 | 81 | 43 | 1.3 | 247 | 46 | 0.7 | |
| | 20 | 17 | 48 | 30.8 | 61 | 49.8 | 149 | 9.9 | 2.8 | -0.1A | 3 | 328 | 10 | 0.06 | 2.6 | 8.4 | D | 335 | 4 | 2.9 | 261 | 16 | 2.0 | 79 | 67 | 15.6 | | |
| | 20 | 19 | 31 | 28.2 | 60 | 35.1 | 141 | 30.9 | 16.4 | 1.0 | 6 | 3 | 114 | 28 | 0.40 | 0.9 | 1.8 | B | 14 | 7 | 0.9 | 282 | 12 | 1.6 | 134 | 76 | 3.5 | |
| | 20 | 23 | 4 | 38.8 | 60 | 34.9 | 143 | 55.3 | 24.1 | 1.5 | 15 | 11 | 90 | 33 | 0.33 | 0.5 | 0.8 | A | 294 | 18 | 0.7 | 30 | 18 | 0.9 | 162 | 64 | 1.5 | |
| | 21 | 3 | 30 | 5.8 | 60 | 10.8 | 141 | 6.1 | 6.7 | 0.5 | 4 | 4 | 201 | 5 | 0.18 | 1.1 | 0.8 | A | 275 | 15 | 0.8 | 179 | 22 | 2.0 | 37 | 63 | 1.4 | |
| | 21 | 3 | 40 | 56.2 | 60 | 23.9 | 143 | 19.6 | 16.0 | 2.3 | 21 | 12 | 135 | 27 | 0.75 | 0.6 | 0.9 | A | 283 | 6 | 0.6 | 14 | 9 | 1.0 | 160 | 79 | 1.8 | |
| | 21 | 4 | 3 | 34.7 | 60 | 26.9 | 147 | 47.3 | 19.4 | 2.0 | 25 | 6 | 101 | 55 | 0.41 | 0.7 | 1.0 | A | 262 | 13 | 0.8 | 169 | 13 | 1.3 | 36 | 71 | 2.0 | |
| | 21 | 7 | 43 | 26.0 | 60 | 9.1 | 141 | 41.8 | 11.8 | 1.3 | 8 | 4 | 142 | 23 | 0.41 | 0.7 | 1.1 | A | 131 | 3 | 1.2 | 40 | 18 | 1.1 | 230 | 72 | 2.2 | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - NOVEMBER 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DJ | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | | | DIP3 | | | SE3 | | |
|-------------|-----|----|------|-----|----------|-----|------|-------|-------|-----|-----|-----|-----|------|------|------|-----|-----|------|------|-----|-----|------|------|-----|------|-----|--|--|
| | | | | | | | | | | | | | | | | | | | | | DEG | MIN | SEC | DEG | MIN | SEC | | | |
| 1984 | HR | MN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | | |
| NOV 21 | 8 | 41 | 31.0 | 59 | 11.9 | 139 | 38.7 | 18.1 | 1.4 | 5 | 5 | 267 | 52 | 0.57 | 2.7 | 2.6 | C | 168 | 28 | 2.8 | 279 | 34 | 1.9 | 48 | 43 | 6.6 | | | |
| 21 | 16 | 38 | 3.0 | 57 | 37.2 | 154 | 42.3 | 97.1 | 3.0 | 10 | 6 | 284 | 133 | 0.18 | 7.4 | 15.7 | D | 261 | 13 | 7.5 | 315 | 24 | 4.0 | 140 | 46 | 25.3 | | | |
| 21 | 19 | 3 | 55.0 | 60 | 11.3 | 141 | 5.3 | 16.5 | 1.3 | 6 | 2 | 165 | 5 | 0.13 | 3.0 | 1.6 | C | 222 | 22 | 5.9 | 117 | 34 | 3.2 | 339 | 48 | 1.1 | | | |
| 21 | 20 | 6 | 26.0 | 60 | 5.2 | 152 | 17.4 | 77.8 | 3.1 | 21 | 13 | 104 | 31 | 0.34 | 0.9 | 1.4 | A | 144 | 1 | 1.3 | 81 | 6 | 1.0 | 243 | 62 | 2.4 | | | |
| 21 | 20 | 35 | 25.8 | 61 | 10.5 | 152 | 31.7 | 16.9 | 0.7 | 5 | 4 | 216 | 22 | 0.10 | 2.3 | 3.6 | C | 311 | 14 | 3.9 | 216 | 21 | 1.0 | 72 | 64 | 7.4 | | | |
| 21 | 23 | 46 | 14.3 | 61 | 1.6 | 149 | 30.9 | 35.0 | 0.7A | 6 | 6 | 140 | 24 | 0.14 | 0.9 | 2.7 | C | 313 | 0 | 1.7 | 223 | 13 | 1.3 | 43 | 77 | 5.2 | | | |
| 22 | 14 | 36 | 45.0 | 60 | 15.9 | 141 | 3.2 | 6.3 | 1.1 | 6 | 5 | 124 | 12 | 0.22 | 1.4 | 2.1 | B | 81 | 20 | 1.2 | 338 | 24 | 0.6 | 205 | 57 | 4.6 | | | |
| 22 | 15 | 36 | 40.8 | 60 | 13.8 | 140 | 59.7 | 9.6 | 1.4 | 10 | 7 | 122 | 9 | 0.28 | 1.0 | 1.0 | A | 84 | 28 | 0.8 | 335 | 33 | 0.7 | 205 | 44 | 2.5 | | | |
| 22 | 18 | 34 | 15.4 | 60 | 7.5 | 152 | 25.1 | 97.8 | 2.5 | 18 | 11 | 99 | 23 | 0.32 | 0.9 | 1.6 | B | 141 | 4 | 1.3 | 81 | 9 | 0.9 | 257 | 59 | 2.6 | | | |
| 22 | 22 | 3 | 47.7 | 62 | 0.9 | 150 | 48.1 | 65.0 | 2.3 | 21 | 14 | 181 | 38 | 0.50 | 1.1 | 1.2 | A | 86 | 8 | 0.7 | 182 | 39 | 1.7 | 346 | 50 | 2.5 | | | |
| 23 | 7 | 27 | 45.0 | 59 | 51.0 | 141 | 24.9 | 5.9 | 1.9 | 15 | 6 | 184 | 40 | 0.48 | 0.9 | 1.0 | A | 104 | 8 | 0.8 | 198 | 27 | 1.4 | 359 | 62 | 2.1 | | | |
| 23 | 9 | 19 | 40.4 | 61 | 6.9 | 152 | 16.3 | 0.9 | 1.3 | 6 | 4 | 193 | 14 | 0.57 | 0.9 | 1.2 | A | 203 | 12 | 0.5 | 296 | 14 | 1.6 | 74 | 71 | 2.4 | | | |
| 23 | 11 | 56 | 24.2 | 62 | 41.7 | 143 | 32.3 | 8.6 | 2.9 | 12 | 9 | 199 | 103 | 0.35 | 1.5 | 1.8 | B | 157 | 6 | 1.0 | 81 | 19 | 2.5 | 265 | 66 | 3.4 | | | |
| 23 | 12 | 17 | 58.5 | 61 | 8.1 | 152 | 12.8 | 7.9 | -0.1A | 3 | 3 | 313 | 10 | 0.02 | 1.6 | 2.2 | B | 327 | 14 | 1.6 | 261 | 30 | 1.9 | 83 | 50 | 4.1 | | | |
| 23 | 15 | 38 | 50.6 | 60 | 3.1 | 136 | 46.9 | 11.2 | 1.8 | 5 | 4 | 348 | 128 | 0.21 | 25.0 | 5.7 | D | 122 | 1 | 10.2 | 212 | 10 | 56.2 | 26 | 80 | 4.2 | | | |
| 23 | 20 | 26 | 11.9 | 61 | 17.0 | 150 | 16.7 | 19.0 | 0.8A | 8 | 8 | 88 | 32 | 0.57 | 0.6 | 1.0 | A | 183 | 1 | 1.2 | 273 | 2 | 0.7 | 66 | 88 | 1.9 | | | |
| 23 | 20 | 55 | 30.0 | 59 | 40.7 | 148 | 39.7 | 35.0 | 2.0 | 17 | 12 | 208 | 65 | 0.66 | 1.0 | 0.9 | A | 93 | 3 | 1.0 | 185 | 30 | 2.1 | 358 | 60 | 1.5 | | | |
| 24 | 2 | 14 | 41.9 | 59 | 39.9 | 152 | 47.9 | 78.0 | 2.7 | 14 | 4 | 92 | 51 | 0.29 | 1.1 | 2.2 | B | 140 | 9 | 1.7 | 81 | 16 | 1.0 | 263 | 54 | 3.6 | | | |
| 24 | 5 | 12 | 33.8 | 60 | 13.3 | 141 | 7.2 | 13.9 | 1.4 | 13 | 6 | 114 | 9 | 0.56 | 0.8 | 0.7 | A | 65 | 33 | 1.1 | 308 | 35 | 0.6 | 185 | 38 | 1.8 | | | |
| 24 | 7 | 19 | 20.3 | 61 | 36.7 | 151 | 17.3 | 7.6 | 0.7A | 9 | 7 | 114 | 33 | 0.75 | 0.6 | 1.2 | A | 282 | 13 | 0.7 | 188 | 19 | 0.6 | 45 | 67 | 2.5 | | | |
| 24 | 8 | 52 | 40.0 | 60 | 24.3 | 140 | 4.0 | 11.3 | 1.0 | 11 | 6 | 195 | 36 | 0.71 | 1.2 | 1.5 | B | 325 | 10 | 0.6 | 81 | 23 | 1.8 | 217 | 55 | 2.8 | | | |
| 24 | 9 | 15 | 4.5 | 60 | 22.0 | 140 | 18.8 | 3.3 | 1.0A | 9 | 4 | 180 | 30 | 0.75 | 0.9 | 2.0 | B | 309 | 9 | 0.8 | 41 | 9 | 1.5 | 175 | 77 | 3.9 | | | |
| 24 | 10 | 42 | 28.3 | 60 | 2.7 | 153 | 11.0 | 128.4 | 3.5 | 16 | 9 | 138 | 25 | 0.49 | 1.3 | 1.3 | A | 42 | 17 | 1.1 | 137 | 17 | 2.4 | 270 | 66 | 2.5 | | | |
| 4.1 | MB | | 3.4 | ML | ATWC | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 11 | 30 | 40.2 | 62 | 39.1 | 143 | 31.5 | 14.0 | 2.3 | 12 | 8 | 260 | 136 | 0.32 | 1.6 | 1.4 | B | 195 | 30 | 2.7 | 309 | 36 | 1.5 | 76 | 40 | 3.3 | | | |
| 24 | 13 | 31 | 39.9 | 61 | 21.7 | 150 | 5.6 | 42.1 | 2.0 | 30 | 13 | 67 | 31 | 0.52 | 0.4 | 0.9 | A | 104 | 6 | 0.5 | 195 | 12 | 0.7 | 348 | 77 | 1.6 | | | |
| 24 | 19 | 41 | 10.2 | 61 | 38.5 | 149 | 54.6 | 44.0 | 2.8 | 33 | 14 | 81 | 42 | 0.57 | 0.4 | 0.9 | A | 269 | 0 | 0.5 | 179 | 8 | 0.7 | 359 | 82 | 1.6 | | | |
| 24 | 20 | 21 | 23.4 | 62 | 1.1 | 149 | 33.7 | 46.3 | 2.6 | 31 | 11 | 106 | 37 | 0.52 | 0.8 | 0.7 | A | 284 | 7 | 0.7 | 190 | 30 | 1.5 | 26 | 59 | 1.3 | | | |
| 25 | 1 | 51 | 18.2 | 60 | 25.7 | 141 | 13.9 | 12.1 | 2.2 | 21 | 10 | 125 | 29 | 0.56 | 0.5 | 0.8 | A | 15 | 2 | 0.9 | 285 | 5 | 0.5 | 127 | 85 | 1.5 | | | |
| 25 | 1 | 52 | 56.2 | 60 | 24.5 | 141 | 15.2 | 12.4 | 0.6A | 8 | 4 | 123 | 28 | 0.36 | 1.1 | 2.2 | B | 99 | 13 | 0.9 | 4 | 20 | 1.1 | 220 | 66 | 4.5 | | | |
| 25 | 2 | 59 | 22.9 | 60 | 17.5 | 140 | 57.5 | 13.6 | 1.4 | 16 | 5 | 132 | 16 | 0.19 | 0.6 | 0.9 | A | 81 | 6 | 0.9 | 342 | 28 | 0.6 | 182 | 60 | 1.8 | | | |
| 25 | 4 | 30 | 32.5 | 60 | 39.6 | 140 | 38.5 | 7.8 | 0.9A | 10 | 6 | 191 | 51 | 0.67 | 1.3 | 2.0 | B | 141 | 3 | 0.6 | 261 | 18 | 1.8 | 44 | 55 | 3.5 | | | |
| 25 | 4 | 41 | 29.3 | 61 | 37.4 | 142 | 12.4 | 0.6 | 1.7 | 15 | 6 | 241 | 66 | 0.29 | 1.1 | 8.9 | D | 295 | 0 | 0.9 | 25 | 1 | 2.1 | 205 | 89 | 16.8 | | | |
| 25 | 4 | 58 | 13.2 | 61 | 17.0 | 152 | 14.1 | 8.1 | 0.6 | 5 | 3 | 199 | 5 | 0.24 | 1.3 | 1.7 | B | 92 | 17 | 3.0 | 261 | 42 | 1.6 | 359 | 8 | 0.9 | | | |
| 25 | 7 | 34 | 11.8 | 60 | 13.3 | 141 | 24.2 | 10.6 | 0.3A | 9 | 5 | 130 | 22 | 0.18 | 0.9 | 1.2 | A | 205 | 4 | 1.6 | 296 | 5 | 0.6 | 77 | 84 | 2.3 | | | |
| 25 | 7 | 43 | 9.5 | 59 | 20.2 | 152 | 36.5 | 67.1 | 2.9 | 13 | 4 | 122 | 95 | 0.17 | 1.1 | 3.5 | C | 94 | 6 | 1.2 | 185 | 8 | 1.9 | 328 | 80 | 6.6 | | | |
| 25 | 8 | 49 | 52.9 | 58 | 15.4 | 155 | 6.4 | 0.5 | 2.9 | 10 | 2 | 149 | 165 | 0.66 | 4.2 | 2.3 | C | 336 | 8 | 2.6 | 261 | 16 | 7.7 | 94 | 67 | 3.7 | | | |
| 4.2 | MB | | 4.5 | ML | ATWC | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 9 | 54 | 56.1 | 61 | 52.4 | 149 | 19.1 | 2.7 | 1.6 | 27 | 13 | 163 | 19 | 0.67 | 0.5 | 0.8 | A | 178 | 8 | 0.8 | 271 | 23 | 0.4 | 70 | 66 | 1.6 | | | |
| 25 | 12 | 35 | 57.7 | 59 | 56.3 | 141 | 13.0 | 9.0 | 1.9 | 16 | 6 | 173 | 26 | 0.48 | 0.6 | 0.8 | A | 287 | 0 | 0.6 | 17 | 11 | 1.4 | 197 | 79 | 1.5 | | | |
| 25 | 12 | 40 | 23.3 | 59 | 56.2 | 141 | 15.0 | 4.9 | 0.7A | 12 | 3 | 174 | 27 | 0.24 | 1.0 | 2.1 | B | 291 | 2 | 1.3 | 201 | 17 | 1.6 | 28 | 73 | 4.1 | | | |
| 25 | 18 | 16 | 33.4 | 60 | 25.5 | 141 | 27.9 | 13.1 | 1.3 | 15 | 7 | 110 | 17 | 0.37 | 0.7 | 1.1 | A | 343 | 8 | 0.7 | 81 | 23 | 0.9 | 236 | 65 | 2.3 | | | |
| 25 | 19 | 11 | 57.6 | 60 | 3.9 | 139 | 38.3 | 12.8 | 0.9A | 7 | 5 | 190 | 12 | 0.59 | 2.7 | 1.4 | B | 302 | 0 | 0.9 | 212 | 14 | 5.1 | 32 | 76 | 2.3 | | | |
| 25 | 19 | 29 | 29.5 | 61 | 24.7 | 146 | 22.5 | 25.4 | 2.1 | 33 | 14 | 61 | 26 | 0.60 | 0.3 | 0.7 | A | 349 | 4 | 0.5 | 261 | 10 | 0.4 | 101 | 79 | 1.3 | | | |
| 25 | 20 | 9 | 53.7 | 60 | 29.8 | 143 | 22.4 | 26.9 | 0.4A | 8 | 6 | 113 | 44 | 0.92 | 1.0 | 1.8 | B | 81 | 8 | 0.9 | 339 | 9 | 1.8 | 207 | 73 | 3.5 | | | |
| 25 | 21 | 9 | 27.0 | 61 | 5.2 | 152 | 3.7 | 10.3 | 0.1A | 3 | 3 | 339 | 11 | 0.06 | 2.8 | 1.2 | C | 273 | 3 | 5.2 | 182 | 31 | 2.3 | 8 | 59 | 2.2 | | | |
| 25 | 21 | 27 | 31.2 | 61 | 23.8 | 146 | 25.4 | 25.5 | 2.2 | 36 | 15 | 59 | 29 | 0.56 | 0.3 | 0.5 | A | 186 | 2 | 0.5 | 276 | 5 | 0.4 | 74 | 85 | 0.9 | | | |
| 25 | 21 | 36 | 29.3 | 59 | 57.3 | 140 | 38.5 | 6.5 | 0.8 | 8 | 6 | 188 | 27 | 0.43 | 1.3 | 2.2 | B | 106 | 6 | 0.7 | 199 | 26 | 1.4 | 63 | 4.5 | 4.5 | | | |
| 25 | 21 | 36 | 44.7 | 61 | 4.8 | 152 | 2.0 | 10.3 | 0.1A | 3 | 3 | 339 | 11 | 0.08 | 2.8 | 1.3 | C | 270 | 10 | 5.4 | 7 | 36 | 2.3 | 167 | 52 | 2.3 | | | |
| 26 | 3 | 7 | 10.7 | 60 | 23.0</td | | | | | | | | | | | | | | | | | | | | | | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - NOVEMBER 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | |
|-------------------|-----|------|------|------|-------|------|-------|------|------|-----|------|------|------|-----|-----|------|------|-----|------|-----|-----|------|------|-----|-----|
| | | | | | | | | | | | | | | | DEG | MIN | SEC | KM | DEG | KM | DEG | KM | | | |
| 1984 00 00 00 | 144 | 46.1 | 12.4 | 1.3 | 17 | 9 | 113 | 1.1 | 0.46 | 0.6 | 0.7 | A | 124 | 11 | 0.8 | 26 | 36 | 1.0 | 228 | 52 | 1.5 | | | | |
| NOV 26 10 32 54.0 | 60 | 28.5 | 141 | 38.4 | 0.3 | 0.6A | 5 | 2 | 256 | 35 | 0.34 | 2.4 | 4.4 | C | 310 | 4 | 1.8 | 219 | 10 | 4.3 | 61 | 79 | 8.3 | | |
| 26 12 24 19.9 | 60 | 2.8 | 140 | 58.3 | 10.2 | 0.9 | 10 | 5 | 128 | 12 | 0.20 | 1.1 | 1.4 | B | 306 | 10 | 0.8 | 43 | 36 | 1.1 | 203 | 52 | 3.2 | | |
| 26 12 54 57.4 | 60 | 15.4 | 140 | 58.3 | 4.0 | 0.2A | 4 | 3 | 182 | 11 | 0.17 | 1.2 | 9.0 | D | 3 | 0 | 2.2 | 273 | 1 | 0.9 | 93 | 89 | 16.9 | | |
| 26 15 13 11.2 | 61 | 49.8 | 148 | 45.2 | 11.3 | 1.7 | 14 | 7 | 162 | 24 | 0.53 | 1.0 | 1.0 | A | 120 | 10 | 0.9 | 219 | 43 | 1.4 | 20 | 45 | 2.4 | | |
| 26 21 49 53.9 | 60 | 8.7 | 141 | 40.8 | 147 | 59.8 | 27.9 | 1.6 | 21 | 12 | 93 | 22 | 0.42 | 0.3 | 0.9 | A | 105 | 1 | 0.5 | 195 | 7 | 0.6 | 7 | 83 | 1.6 |
| 27 3 21 0.8 | 60 | 58.3 | 138 | 47.3 | 19.2 | 1.1 | 5 | 2 | 258 | 9 | 0.20 | 5.7 | 3.0 | D | 222 | 24 | 11.5 | 118 | 28 | 5.9 | 346 | 52 | 1.0 | | |
| 27 9 50 35.0 | 59 | 31.1 | 140 | 41.4 | 36.3 | 1.2A | 10 | 8 | 99 | 1 | 0.37 | 0.6 | 0.8 | A | 192 | 2 | 0.6 | 282 | 4 | 1.1 | 75 | 86 | 1.5 | | |
| 27 15 52 4.0 | 61 | 10.9 | 149 | 24.3 | 151 | 55.8 | 116.4 | 2.6 | 19 | 168 | 25 | 0.38 | 1.7 | 1.4 | A | 261 | 0 | 1.4 | 315 | 18 | 2.5 | 171 | 50 | 2.0 | |
| 28 0 22 3.7 | 61 | 51.4 | 142 | 57.9 | 16.2 | 1.2A | 14 | 8 | 88 | 35 | 0.60 | 0.4 | 1.1 | A | 1 | 0 | 0.8 | 21 | 1 | 0.6 | 91 | 89 | 1.9 | | |
| 28 0 31 31.6 | 60 | 30.6 | 140 | 58.3 | 67.1 | 2.7 | 11 | 6 | 138 | 125 | 0.18 | 1.4 | 7.3 | D | 173 | 2 | 1.6 | 83 | 5 | 2.2 | 285 | 85 | 13.8 | | |
| 28 3 52 46.7 | 59 | 0.2 | 152 | 36.5 | 14.6 | 0.9A | 3 | 2 | 267 | 34 | 0.31 | 3.2 | 5.7 | D | 275 | 7 | 1.6 | 182 | .24 | 3.8 | 20 | 65 | 11.7 | | |
| 28 4 28 40.8 | 59 | 52.9 | 141 | 50.0 | 12.8 | 1.1 | 8 | 5 | 235 | 15 | 0.49 | 1.6 | 1.0 | B | 191 | 6 | 3.0 | 100 | 13 | 0.8 | 305 | 76 | 1.8 | | |
| 28 14 56 9.0 | 59 | 56.6 | 141 | 50.0 | 10.0 | 0.4 | 7 | 5 | 183 | 8 | 0.37 | 1.2 | 0.6 | A | 103 | 10 | 2.4 | 196 | 17 | 0.7 | 344 | 70 | 1.0 | | |
| 29 0 7 4.5 | 61 | 9.6 | 152 | 12.3 | 10.4 | 0.8 | 13 | 9 | 126 | 11 | 0.22 | 0.7 | 0.7 | A | 300 | 3 | 0.6 | 32 | 43 | 0.8 | 207 | 47 | 1.6 | | |
| 29 1 43 8.0 | 60 | 15.1 | 140 | 58.9 | 141 | 32.4 | 9.2 | 0.9 | 11 | 6 | 177 | 28 | 0.42 | 0.9 | 1.2 | A | 271 | 2 | 0.8 | 181 | 16 | 1.7 | 74 | 2.2 | 2.2 |
| 29 16 22 24.7 | 59 | 59.0 | 140 | 41.4 | 138 | 51.9 | 0.0 | 1.8A | 9 | 5 | 264 | 113 | 0.81 | 3.3 | 3.3 | C | 330 | 9 | 1.8 | 81 | 42 | 8.4 | 231 | 43 | 1.0 |
| 29 19 28 57.5 | 61 | 17.0 | 150 | 30.2 | 44.6 | 1.6 | 19 | 14 | 85 | 24 | 0.56 | 0.4 | 1.3 | A | 190 | 1 | 0.7 | 100 | 5 | 0.6 | 291 | 85 | 2.4 | | |
| 30 1 49 25.0 | 60 | 15.8 | 140 | 53.7 | 7.1 | 0.8 | 11 | 7 | 133 | 14 | 0.47 | 0.6 | 1.0 | A | 307 | 4 | 0.5 | 39 | 30 | 0.6 | 210 | 60 | 2.1 | | |
| 30 4 57 28.1 | 61 | 15.7 | 150 | 24.8 | 39.1 | 1.1A | 16 | 10 | 85 | 29 | 0.48 | 0.5 | 1.1 | A | 197 | 6 | 0.9 | 106 | 9 | 0.6 | 320 | 79 | 2.2 | | |
| 30 5 0 6.0 | 61 | 33.4 | 150 | 3.7 | 45.1 | 1.6 | 21 | 12 | 101 | 14 | 0.44 | 0.5 | 0.8 | A | 261 | 5 | 0.5 | 169 | 22 | 0.8 | 3 | 67 | 1.6 | | |
| 30 10 46 36.6 | 61 | 44.3 | 150 | 2.3 | 9.9 | 1.0A | 15 | 8 | 149 | 13 | 0.86 | 0.5 | 0.5 | A | 265 | 15 | 0.4 | 0 | 17 | 0.9 | 136 | 67 | 1.0 | | |
| 30 14 17 48.5 | 60 | 30.2 | 143 | 5.5 | 0.9 | 0.8 | 11 | 4 | 98 | 15 | 0.59 | 0.6 | 15.1 | D | 267 | 1 | 0.7 | 357 | 1 | 0.9 | 132 | 89 | 28.3 | | |
| 30 15 35 39.0 | 59 | 58.0 | 141 | 42.0 | 12.4 | 1.4 | 18 | 9 | 179 | 20 | 0.48 | 0.7 | 0.6 | A | 97 | 12 | 0.5 | 0 | 29 | 1.4 | 207 | 58 | 1.0 | | |
| 30 18 39 2.3 | 61 | 49.0 | 148 | 54.3 | 14.8 | 0.0A | 5 | 4 | 145 | 4 | 0.10 | 1.1 | 1.3 | B | 197 | 11 | 1.9 | 101 | 27 | 1.0 | 307 | 60 | 2.8 | | |
| 30 21 16 14.3 | 60 | 16.8 | 141 | 33.8 | 10.1 | 0.8 | 10 | 6 | 109 | 13 | 0.33 | 0.8 | 0.9 | A | 119 | 8 | 0.8 | 24 | 33 | 1.2 | 221 | 56 | 1.8 | | |

| PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - DECEMBER 1984 | | | | | | | | | | | |
|---|-------------|-----------|-------------|--------------------------------------|-----|-----|--------------------------------------|------|------|---------------|--------------|
| ORIGIN TIME | LAT N | LONG W | DEPTH | MAG | | | NP | NS | DI | RMS | SEH |
| | | | | DEG | MIN | SEC | KM | SEC | KM | DEG | SEZ Q |
| 1984 | HR MN SEC | HR MN SEC | DEG MIN SEC | DEG | MIN | SEC | KM | SEC | KM | DEG | AZ1 DIP1 SE1 |
| DEC 1 7 52 2.7 | 61 48.4 | 149 37.5 | 42.2 | 1.2 | 25 | 11 | 156 | 22 | 0.51 | 0.7 A | 96 1 |
| 1 8 12 29.5 | 59 42.2 | 152 51.1 | 88.8 | 2.4 | 13 | 7 | 103 | 53 | 0.34 | 1.6 | 2.0 B 81 |
| 1 8 21 46.0 | 59 45.9 | 141 25.6 | 0.5 | 0.8A | 5 | 3 | 254 | 68 | 0.40 | 3.9 | 3.3 C 286 |
| 1 10 59 42.3 | 60 21.1 | 141 57.8 | 10.3 | 0.5 | 9 | 6 | 73 | 12 | 0.69 | 0.5 | 0.7 A 12 |
| 1 11 37 15.0 | 61 3.3 | 152 17.8 | 13.7 | 0.6A | 4 | 4 | 191 | 19 | 0.20 | 2.2 | 2.6 B 198 |
| 1 16 7 1.0 | 61 52.2 | 149 36.2 | 45.3 | 1.9 | 28 | 14 | 162 | 28 | 0.69 | 0.8 | 0.7 A 358 |
| 1 17 19 49.8 | 61 3.7 | 149 53.2 | 45.5 | 1.0A | 13 | 11 | 81 | 52 | 0.31 | 1.5 | 2.4 B 81 |
| 1 18 25 53.2 | 60 39.0 | 150 17.7 | 46.3 | 3.3 | 31 | 6 | 55 | 16 | 0.49 | 0.5 | 1.3 A 104 |
| 3.8 MB | 4.1 ML ATWC | | | Felt (II) at Anchorage and Soldotna. | | | Felt (II) at Anchorage and Soldotna. | | | 4.4 0.4 A 171 | |
| 1 20 20 50.6 | 61 47.0 | 149 1.8 | 9.9 | 1.1 | 25 | 13 | 108 | 6 | 0.72 | 0.4 | 0.4 A 171 |
| 1 21 9 11.7 | 61 41.6 | 149 28.5 | 47.0 | 0.9A | 12 | 10 | 131 | 21 | 0.36 | 1.0 | 1.2 A 269 |
| 2 0 27 0.7 | 61 59.0 | 149 12.9 | 0.0 | 1.1 | 24 | 13 | 173 | 21 | 0.71 | 0.5 | 0.8 A 197 |
| 2 1 3 29.2 | 61 49.2 | 148 31.4 | 9.4 | 0.9 | 22 | 10 | 170 | 10 | 0.79 | 0.6 | 0.4 A 278 |
| 2 1 11 58.8 | 60 38.4 | 143 20.5 | 5.0 | 1.3 | 17 | 9 | 87 | 34 | 0.66 | 0.4 | 5.7 D 281 |
| 2 4 51 52.0 | 61 39.4 | 150 58.0 | 59.4 | 2.5 | 27 | 13 | 117 | 24 | 0.58 | 0.7 | 0.8 A 81 |
| 2 6 7 56.0 | 60 2.4 | 141 39.6 | 10.3 | 1.2 | 16 | 8 | 158 | 21 | 0.46 | 0.6 | 0.6 A 91 |
| 2 6 42 40.2 | 61 29.6 | 149 56.4 | 43.8 | 0.8A | 7 | 4 | 147 | 43 | 0.26 | 1.3 | 2.7 B 81 |
| 2 7 45 25.6 | 60 3.8 | 139 34.2 | 14.2 | 1.7 | 11 | 6 | 193 | 13 | 0.73 | 2.3 | 1.0 B 319 |
| 2 9 43 6.4 | 59 48.0 | 153 18.4 | 114.6 | 3.1 | 15 | 7 | 101 | 50 | 0.28 | 1.5 | 1.4 B 81 |
| | 3.5 ML ATWC | | | Felt (II) at Anchorage and Soldotna. | | | Felt (II) at Anchorage and Soldotna. | | | 4.4 0.4 A 171 | |
| 2 17 55 7.5 | 60 9.3 | 141 8.9 | 6.6 | 1.0 | 13 | 8 | 98 | 6 | 0.38 | 0.5 | 0.5 A 101 |
| 2 21 26 24.6 | 61 14.9 | 152 2.5 | 0.1 | -0.6A | 3 | 3 | 169 | 6 | 0.02 | 0.5 | 25.0 D 6 |
| 2 22 34 29.8 | 61 28.3 | 149 57.0 | 39.2 | 1.1A | 18 | 12 | 66 | 20 | 0.45 | 0.5 | 1.3 A 97 |
| 3 0 24 0.9 | 62 20.5 | 149 42.3 | 57.5 | 2.5 | 9 | 209 | 68 | 0.56 | 1.2 | 2.0 B 276 | |
| 3 0 50 58.1 | 60 14.4 | 139 34.3 | 5.2 | 2.0 | 11 | 5 | 205 | 32 | 0.69 | 1.0 | 1.4 B 303 |
| 3 2 42 2.8 | 60 10.7 | 140 6.7 | 0.4 | 0.9 | 6 | 3 | 184 | 12 | 0.27 | 1.1 | 2.9 C 359 |
| 3 5 51 31.0 | 61 10.8 | 152 9.4 | 6.8 | -0.1A | 3 | 3 | 272 | 5 | 0.05 | 1.2 | 1.4 A 332 |
| 3 11 20 34.1 | 60 24.8 | 150 16.0 | 47.8 | 2.2 | 29 | 8 | 79 | 11 | 0.41 | 0.6 | 1.3 A 261 |
| 3 22 16 57.4 | 60 39.7 | 151 8.7 | 59.7 | 2.7 | 27 | 11 | 57 | 10 | 0.46 | 0.5 | 1.2 A 282 |
| 3 23 18 15.9 | 60 12.1 | 141 5.3 | 4.8 | 0.8 | 9 | 7 | 113 | 6 | 0.50 | 0.6 | 0.8 A 299 |
| 3 23 19 31.8 | 60 12.3 | 141 6.1 | 4.6 | 0.4A | 5 | 5 | 168 | 7 | 0.22 | 0.7 | 1.1 A 288 |
| 4 3 45 14.8 | 60 6.3 | 141 8.5 | 4.7 | 0.3A | 5 | 2 | 195 | 8 | 0.12 | 3.0 | 2.9 C 271 |
| 4 4 53 58.9 | 60 12.2 | 141 3.8 | 6.6 | 0.3A | 5 | 2 | 170 | 6 | 0.22 | 6.1 | 3.9 D 204 |
| 4 8 36 21.8 | 59 57.6 | 152 57.4 | 114.1 | 2.9 | 16 | 5 | 155 | 26 | 0.33 | 1.3 | 1.2 A 81 |
| 4 11 38 50.8 | 60 43.2 | 143 40.7 | 16.7 | 0.8A | 12 | 7 | 116 | 57 | 0.65 | 0.5 | 2.9 C 25 |
| 4 12 58 39.4 | 61 7.8 | 151 10.9 | 61.8 | 2.3 | 24 | 12 | 55 | 44 | 0.42 | 0.6 | 1.1 A 81 |
| 4 14 56 36.0 | 61 10.1 | 146 33.6 | 18.0 | 0.9A | 8 | 7 | 156 | 12 | 0.50 | 1.0 | 1.0 A 261 |
| 4 15 7 26.7 | 61 1.1 | 149 41.6 | 39.6 | 2.4 | 32 | 11 | 48 | 40 | 0.49 | 0.3 | 1.4 B 261 |
| 4 17 46 17.3 | 60 20.5 | 141 7.7 | 14.6 | 1.0 | 10 | 5 | 128 | 22 | 0.26 | 0.9 | 2.2 B 314 |
| 4 19 42 29.5 | 60 7.4 | 152 39.0 | 101.3 | 3.5 | 18 | 14 | 69 | 11 | 0.71 | 0.6 | 0.8 A 205 |
| | 3.4 ML ATWC | | | Felt (II) at Anchorage and Soldotna. | | | Felt (II) at Anchorage and Soldotna. | | | 4.4 0.4 A 171 | |
| 4 19 53 59.4 | 62 10.6 | 150 9.3 | 65.9 | 2.4 | 24 | 10 | 197 | 60 | 0.48 | 1.1 | 1.7 B 90 |
| 4 20 14 12.2 | 60 17.8 | 141 14.3 | 9.9 | 1.1 | 8 | 3 | 116 | 20 | 0.19 | 0.8 | 1.7 B 94 |
| 4 23 3 28.5 | 60 10.9 | 141 6.8 | 3.8 | -0.1A | 4 | 3 | 171 | 5 | 0.04 | 1.5 | 1.1 A 81 |
| 4 23 43 47.0 | 60 10.2 | 141 4.2 | 4.4 | 0.6A | 8 | 7 | 109 | 3 | 0.34 | 0.5 | 283 9 |
| 5 3 8 22.6 | 61 27.9 | 146 33.8 | 22.4 | 2.0 | 29 | 22 | 69 | 34 | 0.59 | 0.3 | 0.7 A 11 |
| 5 7 51 46.3 | 61 42.1 | 150 23.3 | 5.5 | 1.3 | 9 | 9 | 140 | 33 | 0.69 | 0.8 | 1.1 A 81 |
| 5 7 52 43.1 | 62 32.8 | 152 21.5 | 0.0 | 2.1 | 14 | 9 | 123 | 76 | 0.72 | 2.8 | 1.8 C 81 |
| 5 11 39 27.8 | 60 10.7 | 139 47.5 | 17.5 | 1.1 | 6 | 3 | 191 | 27 | 0.53 | 2.2 | 1.5 B 123 |
| 5 13 58 55.6 | 61 50.1 | 149 34.2 | 46.1 | 2.6 | 27 | 16 | 159 | 26 | 0.60 | 0.7 | 0.8 A 271 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - DECEMBER 1984

| ORIGIN TIME | LAT N | | | LONG W | | | DEPTH | | | MAG | | | NP NS | | | GAP | | | DI | | | RMS | | | SEH | | | SEZ Q | | | AZ1 | | | DIP1 | | | SE1 | | | AZ2 | | | DIP2 | | | SE2 | | | AZ3 | | | DIP3 | | | SE3 | | |
|-----------------|-------|------|-----|--------|-------|-------|-------|----|-----|-----|-------|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-------|-----|------|------|------|------|------|------|-----|-----|------|------|-----|-----|-----|------|------|-----|-----|--|--|-----|--|--|------|--|--|-----|--|--|
| | 1984 | HR | MN | SEC | DEG | MIN | SEC | KM | DEG | MIN | KM | DEG | MIN | KM | DEG | MIN | KM | DEG | MIN | KM | DEG | MIN | KM | DEG | MIN | KM | DEG | MIN | KM | DEG | MIN | KM | DEG | MIN | KM | DEG | MIN | KM | | | | | | | | | | | | | | | | | | | |
| DEC 6 0 44 45.2 | 62 | 16.3 | 148 | 2.5 | 37.7 | 2.5 | 25 | 15 | 101 | 54 | 0.52 | 0.6 | 0.5 A | 177 | 26 | 1.0 | 81 | 35 | 0.7 | 300 | 47 | 1.2 | 122 | 48 | 0.8 | 300 | 47 | 1.2 | 122 | 48 | 0.8 | 300 | 47 | 1.2 | 122 | 48 | 0.8 | | | | | | | | | | | | | | | | | | | | |
| 6 5 12 21.5 | 61 | 50.3 | 148 | 51.2 | 14.7 | 0.6 | 8 | 4 | 179 | 6 | 0.71 | 0.7 | 0.5 A | 25 | 6 | 1.4 | 290 | 41 | 1.1 | 199 | 11 | 0.6 | 30 | 79 | 1.2 | 30 | 79 | 1.2 | 199 | 11 | 0.6 | 30 | 79 | 1.2 | 199 | 11 | 0.6 | 30 | 79 | 1.2 | | | | | | | | | | | | | | | | | |
| 6 6 14 51.1 | 61 | 8.2 | 150 | 30.5 | 12.1 | 1.4 | 22 | 14 | 49 | 39 | 0.66 | 0.3 | 0.6 A | 290 | 2 | 0.5 | 199 | 11 | 0.6 | 30 | 79 | 1.2 | 30 | 79 | 1.2 | 199 | 11 | 0.6 | 30 | 79 | 1.2 | 199 | 11 | 0.6 | 30 | 79 | 1.2 | | | | | | | | | | | | | | | | | | | | |
| 6 6 8 58 8.4 | 59 | 46.6 | 153 | 20.6 | 114.7 | 2.6 | 11 | 6 | 182 | 48 | 0.28 | 1.7 | 1.7 B | 81 | 21 | 1.5 | 178 | 39 | 2.4 | 327 | 46 | 3.8 | 327 | 46 | 3.8 | 178 | 39 | 2.4 | 327 | 46 | 3.8 | 178 | 39 | 2.4 | 327 | 46 | 3.8 | | | | | | | | | | | | | | | | | | | | |
| 6 6 15 21 56.1 | 60 | 41.6 | 140 | 35.8 | 0.4 | 1.0 A | 8 | 6 | 197 | 50 | 0.83 | 1.4 | 1.7 B | 137 | 3 | 0.6 | 261 | 31 | 1.7 | 43 | 45 | 3.3 | 43 | 45 | 3.3 | 137 | 3 | 0.6 | 261 | 31 | 1.7 | 43 | 45 | 3.3 | 137 | 3 | 0.6 | 261 | 31 | 1.7 | | | | | | | | | | | | | | | | | |
| 6 6 23 44 32.5 | 61 | 40.6 | 150 | 20.1 | 7.5 | 1.3 | 12 | 11 | 137 | 24 | 0.69 | 0.7 | 0.6 A | 263 | 15 | 0.5 | 161 | 39 | 1.5 | 10 | 47 | 0.9 | 10 | 47 | 0.9 | 161 | 39 | 1.5 | 10 | 47 | 0.9 | 161 | 39 | 1.5 | 10 | 47 | 0.9 | | | | | | | | | | | | | | | | | | | | |
| 7 3 40 33.7 | 60 | 6.7 | 141 | 5.6 | 0.9 | 6 | 191 | 6 | 51 | 1.3 | 2.3 B | 285 | 4 | 1.0 | 193 | 27 | 1.2 | 23 | 63 | 4.8 | 23 | 63 | 4.8 | 193 | 27 | 1.2 | 23 | 63 | 4.8 | 193 | 27 | 1.2 | 23 | 63 | 4.8 | | | | | | | | | | | | | | | | | | | | | | |
| 7 4 48 19.8 | 60 | 10.9 | 139 | 40.8 | 14.7 | 0.5 | 7 | 4 | 196 | 25 | 0.37 | 2.3 | 1.9 B | 304 | 1 | 1.1 | 213 | 39 | 5.4 | 35 | 51 | 1.6 | 35 | 51 | 1.6 | 213 | 39 | 5.4 | 35 | 51 | 1.6 | 213 | 39 | 5.4 | 35 | 51 | 1.6 | | | | | | | | | | | | | | | | | | | | |
| 7 7 3 19.0 | 60 | 31.0 | 143 | 17.4 | 23.5 | 0.6 A | 8 | 6 | 116 | 43 | 0.48 | 0.8 | 2.8 B | 261 | 3 | 1.0 | 335 | 8 | 1.2 | 149 | 72 | 5.0 | 335 | 8 | 1.2 | 149 | 72 | 5.0 | 335 | 8 | 1.2 | 149 | 72 | 5.0 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 13 59 16.7 | 61 | 30.8 | 141 | 7.0 | 4.2 | 1.4 | 10 | 5 | 251 | 62 | 0.39 | 1.4 | 9.8 D | 307 | 1 | 1.4 | 37 | 5 | 2.1 | 206 | 85 | 18.4 | 206 | 85 | 18.4 | 307 | 1 | 1.4 | 37 | 5 | 2.1 | 206 | 85 | 18.4 | 307 | 1 | 1.4 | 37 | 5 | 2.1 | | | | | | | | | | | | | | | | | |
| 7 14 20 30.8 | 61 | 30.6 | 141 | 3.5 | 2.3 | 1.5 | 15 | 6 | 243 | 62 | 0.34 | 1.2 | 11.3 D | 315 | 1 | 1.2 | 45 | 2 | 2.0 | 198 | 88 | 21.1 | 198 | 88 | 21.1 | 315 | 1 | 1.2 | 45 | 2 | 2.0 | 198 | 88 | 21.1 | 315 | 1 | 1.2 | 45 | 2 | 2.0 | | | | | | | | | | | | | | | | | |
| 7 15 39 24.6 | 60 | 41.1 | 145 | 16.5 | 0.0 | 0.2 | 4 | 3 | 189 | 17 | 0.85 | 1.5 | 25.0 D | 20 | 0 | 1.4 | 290 | 0 | 2.9 | 0 | 90 | 99.0 | 99.0 | 99.0 | 290 | 0 | 2.9 | 0 | 90 | 99.0 | 99.0 | 99.0 | 290 | 0 | 2.9 | 0 | 90 | 99.0 | 99.0 | | | | | | | | | | | | | | | | | | |
| 7 15 40 24.8 | 62 | 10.9 | 149 | 21.5 | 45.7 | 2.2 | 26 | 14 | 114 | 43 | 0.55 | 0.9 | 1.0 A | 281 | 5 | 0.8 | 14 | 35 | 1.5 | 184 | 55 | 2.1 | 184 | 55 | 2.1 | 281 | 5 | 0.8 | 14 | 35 | 1.5 | 184 | 55 | 2.1 | 281 | 5 | 0.8 | 14 | 35 | 1.5 | | | | | | | | | | | | | | | | | |
| 7 16 22 30.2 | 59 | 14.8 | 151 | 19.6 | 49.4 | 2.9 | 16 | 9 | 133 | 63 | 0.61 | 1.3 | 2.7 B | 150 | 5 | 1.8 | 261 | 13 | 1.5 | 43 | 65 | 4.9 | 43 | 65 | 4.9 | 150 | 5 | 1.8 | 261 | 13 | 1.5 | 43 | 65 | 4.9 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 19 14 51.3 | 61 | 4.5 | 152 | 0.2 | 9.9 | 0.2 A | 3 | 3 | 340 | 12 | 0.09 | 3.1 | 0.9 C | 347 | 0 | 2.0 | 261 | 14 | 6.0 | 77 | 75 | 1.0 | 77 | 75 | 1.0 | 347 | 0 | 2.0 | 261 | 14 | 6.0 | 77 | 75 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 19 25 13.0 | 61 | 4.4 | 152 | 1.2 | 10.2 | 0.2 A | 3 | 3 | 340 | 12 | 0.10 | 2.0 | 1.3 B | 262 | 3 | 2.7 | 171 | 4 | 2.0 | 28 | 85 | 2.3 | 28 | 85 | 2.3 | 171 | 4 | 2.0 | 28 | 85 | 2.3 | 171 | 4 | 2.0 | 28 | 85 | 2.3 | | | | | | | | | | | | | | | | | | | | |
| 7 19 28 24.7 | 60 | 16.8 | 141 | 0.4 | 10.7 | 1.3 | 13 | 7 | 128 | 14 | 0.21 | 0.6 | 0.8 A | 315 | 20 | 0.6 | 56 | 26 | 0.8 | 192 | 56 | 1.6 | 192 | 56 | 1.6 | 56 | 20 | 0.6 | 56 | 26 | 0.8 | 192 | 56 | 1.6 | 56 | 20 | 0.6 | 56 | 26 | 0.8 | 192 | 56 | 1.6 | | | | | | | | | | | | | | |
| 7 22 9 43.3 | 60 | 1.0 | 141 | 35.8 | 1.1 | 0.5 A | 7 | 7 | 193 | 24 | 0.55 | 0.8 | 1.4 B | 81 | 6 | 0.7 | 339 | 12 | 1.3 | 195 | 72 | 2.6 | 195 | 72 | 2.6 | 72 | 15 | 0.7 | 339 | 12 | 1.3 | 195 | 72 | 2.6 | 72 | 15 | 0.7 | 339 | 12 | 1.3 | 195 | 72 | 2.6 | | | | | | | | | | | | | | |
| 7 22 29 9.3 | 60 | 43.3 | 143 | 12.7 | 28.1 | 0.4 A | 7 | 3 | 86 | 59 | 0.14 | 1.4 | 1.5 B | 313 | 5 | 1.4 | 81 | 40 | 3.3 | 219 | 37 | 1.1 | 219 | 37 | 1.1 | 37 | 1.1 | 1.4 | 81 | 40 | 3.3 | 219 | 37 | 1.1 | 219 | 37 | 1.1 | 37 | 1.1 | 1.4 | 81 | 40 | 3.3 | 219 | 37 | 1.1 | | | | | | | | | | | |
| 8 2 47 55.0 | 59 | 48.9 | 141 | 14.4 | 7.3 | 1.1 A | 11 | 6 | 199 | 40 | 0.30 | 1.0 | 1.7 B | 107 | 5 | 1.0 | 198 | 14 | 1.7 | 358 | 75 | 3.3 | 358 | 75 | 3.3 | 75 | 14 | 1.7 | 358 | 75 | 3.3 | 358 | 75 | 3.3 | 358 | 75 | 3.3 | 358 | 75 | 3.3 | 358 | 75 | 3.3 | | | | | | | | | | | | | | |
| 8 3 18 22.1 | 59 | 49.3 | 141 | 15.4 | 7.2 | 0.9 A | 10 | 8 | 193 | 39 | 0.73 | 1.2 | 1.7 B | 114 | 8 | 1.1 | 207 | 18 | 2.2 | 1 | 70 | 3.3 | 1 | 70 | 3.3 | 1 | 70 | 3.3 | 1 | 70 | 3.3 | 1 | 70 | 3.3 | 1 | 70 | 3.3 | 1 | 70 | 3.3 | 1 | 70 | 3.3 | | | | | | | | | | | | | | |
| 8 8 1 43.2 | 61 | 57.2 | 144 | 3.3 | 1.2 | 1.6 | 15 | 8 | 218 | 58 | 0.41 | 1.0 | 14.7 D | 283 | 0 | 0.9 | 13 | 1 | 1.7 | 193 | 89 | 27.5 | 193 | 89 | 27.5 | 283 | 0 | 0.9 | 13 | 1 | 1.7 | 193 | 89 | 27.5 | 283 | 0 | 0.9 | 13 | 1 | 1.7 | 193 | 89 | 27.5 | | | | | | | | | | | | | | |
| 8 23 2 54.4 | 59 | 55.5 | 141 | 28.1 | 34.3 | 0.9 A | 5 | 4 | 252 | 51 | 0.18 | 4.7 | 14.2 D | 119 | 5 | 1.2 | 210 | 14 | 5.7 | 10 | 75 | 27.6 | 27.6 | 27.6 | 119 | 5 | 1.2 | 210 | 14 | 5.7 | 10 | 75 | 27.6 | 27.6 | 27.6 | 119 | 5 | 1.2 | 210 | 14 | 5.7 | 10 | 75 | 27.6 | | | | | | | | | | | | | |
| 9 0 25 41.4 | 62 | 45.3 | 149 | 34.8 | 62.2 | 2.5 | 18 | 15 | 149 | 107 | 0.67 | 0.9 | 4.5 C | 294 | 2 | 1.5 | 24 | 8 | 1.2 | 190 | 82 | 8.5 | 190 | 82 | 8.5 | 294 | 2 | 1.5 | 24 | 8 | 1.2 | 190 | 82 | 8.5 | 190 | 82 | 8.5 | 190 | 82 | 8.5 | | | | | | | | | | | | | | | | | |
| 9 2 43 35.1 | 60 | 11.8 | 141 | 0.1 | 13.2 | 1.4 | 10 | 8 | 117 | 16 | 0.35 | 0.8 | 1.0 A | 311 | 1 | 0.1 | 204 | 0 | 0.9 | 21 | 37 | 0.7 | 202 | 53 | 2.2 | 21 | 37 | 0.7 | 202 | 53 | 2.2 | 21 | 37 | 0.7 | 202 | 53 | 2.2 | 21 | 37 | 0.7 | 202 | 53 | 2.2 | | | | | | | | | | | | | | |
| 9 7 55 0.7 | 60 | 19.8 | 141 | 12.6 | 9.2 | 0.7 | 6 | 5 | 120 | 25 | 0.32 | 1.1 | 2.0 B | 304 | 0 | 0.9 | 34 | 25 | 1.1 | 214 | 65 | 4.1 | 214 | 65 | 4.1 | 304 | 0 | 0.9 | 34 | 25 | 1.1 | 214 | 65 | 4.1 | 214 | 65 | 4.1 | 304 | 0 | 0.9 | 34 | 25 | 1.1 | 214 | 65 | 4.1 | | | | | | | | | | | |
| 9 9 6 42.0 | 61 | 31.8 | 151 | 12.6 | 9.8 | 0.0 A | 4 | 4 | 125 | 26 | 0.49 | 1.6 | 3.1 C | 228 | 16 | 0.9 | 324 | 20 | 1.1 | 102 | 64 | 6.5 | 102 | 64 | 6.5 | 228 | 16 | 0.9 | 324 | 20 | 1.1 | 102 | 64 | 6.5 | 228 | 16 | 0.9 | 324 | 20 | 1.1 | 102 | 64 | 6.5 | | | | | | | | | | | | | | |
| 9 10 6 7.6 | 60 | 5.0 | 153 | 29.1 | 156.2 | 2.9 | 13 | 7 | 155 | 39 | 0.37 | 2.2 | 2.7 B | 81 | 14 | 2.2 | 147 | 15 | 3.2 | 297 | 59 | 4.7 | 297 | 59 | 4.7 | 81 | 14 | 2.2 | 147 | 15 | 3.2 | 297 | 59 | 4.7 | 81 | 14 | 2.2 | 147 | 15 | 3.2 | 297 | 59 | 4.7 | | | | | | | | | | | | | | |
| 9 11 42 10.2 | 61 | 4.1 | 152 | 17.1 | 15.0 | 0.9 A | 4 | 4 | 190 | 18 | 0.16 | 1.7 | 0.6 B | 107 | 3 | 3.3 | 198 | 24 | 1.9 | 10 | 66 | 1.2 | 1.2 | 10 | 66 | 1.2 | 1.2 | 107 | 3 | 3.3 | 198 | 24 | 1.9 | 107 | 3 | 3.3 | 198 | 24 | 1.9 | 107 | 3 | 3.3 | 198 | 24 | 1.9 | | | | | | | | | | | | |
| 9 11 46 46.5 | 60 | 11.8 | 153 | 12.4 | 131.8 | 2.8 | 13 | 5 | 153 | 22 | 0.34 | 2.2 | 2.5 B | 261 | 4 | 2.2 | 138 | 19 | 3.1 | 0 | 52 | 4.3 | 4.3 | 4.3 | 261 | 4 | 2.2 | 138 | 19 | 3.1 | 0 | 52 | 4.3 | 4.3 | 4.3 | 261 | 4 | 2.2 | 138 | 19 | 3.1 | 0 | 52 | 4.3 | | | | | | | | | | | | | |
| 9 15 7 24.4 | 61 | 39.7 | 149 | 34.9 | 37.8 | 2.4 | 28 | 13 | 128 | 16 | 0.68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - DECEMBER 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEH | SEZ | Q | AZI | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 |
|------------------|---------|----------|-------|-------|-------|-----|-----|-----|------|------|------|-----|-----|----|-----|------|-----|------|------|-----|------|------|-----|
| | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 DEC 11 4 40 | 61 29.3 | 151 13.7 | 6.1 | 1.4 | 9 | 6 | 99 | 26 | 0.59 | 0.7 | 0.9 | A | 261 | 4 | 0.7 | 349 | 10 | 1.2 | 149 | 79 | 1.7 | | |
| 11 5 3 38.3 | 61 55.8 | 149 27.9 | 46.3 | 2.3 | 28 | 10 | 168 | 28 | 0.49 | 1.0 | 1.0 | A | 282 | 6 | 0.9 | 17 | 42 | 2.1 | 185 | 47 | 1.7 | | |
| 11 15 43 47.0 | 60 27.9 | 148 23.6 | 14.7 | 2.1 | 35 | 10 | 143 | 44 | 0.89 | 0.6 | 0.7 | A | 156 | 7 | 1.1 | 261 | 14 | 0.6 | 43 | 68 | 1.4 | | |
| 11 16 4 17.5 | 60 32.8 | 141 39.1 | 11.6 | 1.3 | 14 | 7 | 99 | 22 | 0.45 | 0.7 | 1.3 | A | 3 | 6 | 0.7 | 273 | 7 | 1.2 | 134 | 81 | 2.4 | | |
| 11 19 47 55.6 | 61 1.5 | 150 49.7 | 15.0 | 1.9 | 20 | 11 | 45 | 49 | 0.80 | 0.5 | 1.3 | A | 282 | 0 | 0.7 | 192 | 6 | 0.9 | 12 | 84 | 2.4 | | |
| 11 20 19 46.8 | 60 0.9 | 141 36.0 | 3.1 | 0.9 | 6 | 4 | 258 | 16 | 0.45 | 1.6 | 2.0 | B | 135 | 1 | 1.4 | 226 | 33 | 2.2 | 43 | 57 | 4.3 | | |
| 12 1 31 34.2 | 61 9.8 | 151 23.4 | 65.2 | 2.1 | 21 | 12 | 59 | 36 | 0.32 | 0.7 | 1.2 | A | 208 | 7 | 0.7 | 116 | 18 | 1.1 | 318 | 71 | 2.4 | | |
| 12 2 21 57.7 | 60 15.2 | 152 57.5 | 119.2 | 3.2 | 17 | 9 | 98 | 11 | 0.34 | 1.4 | 1.5 | A | 81 | 4 | 1.5 | 322 | 13 | 2.1 | 184 | 58 | 2.5 | | |
| 12 4 50 56.6 | 61 41.5 | 150 49.2 | 61.0 | 3.5 | 24 | 12 | 74 | 26 | 0.39 | 0.6 | 0.9 | A | 81 | 11 | 0.7 | 172 | 12 | 1.2 | 309 | 74 | 1.7 | | |
| 12 6 7 15.7 | 61 19.7 | 150 31.7 | 10.2 | 0.6A | 3 | 3 | 295 | 19 | 0.39 | 1.9 | 1.6 | B | 200 | 29 | 1.4 | 90 | 31 | 3.9 | 323 | 45 | 3.0 | | |
| 12 11 33 53.1 | 60 58.3 | 152 3.9 | 13.1 | 0.6A | 4 | 4 | 198 | 23 | 0.43 | 3.6 | 3.5 | C | 192 | 20 | 0.6 | 298 | 37 | 6.3 | 80 | 46 | 7.3 | | |
| 12 12 21 57.1 | 60 7.2 | 141 8.1 | 33.7 | 0.8A | 3 | 2 | 216 | 7 | 0.20 | 3.4 | 2.7 | C | 122 | 24 | 1.5 | 11 | 38 | 8.0 | 236 | 42 | 1.3 | | |
| 13 4 52 26.5 | 62 1.7 | 149 19.0 | 45.2 | 2.4 | 30 | 8 | 104 | 28 | 0.69 | 1.0 | 0.8 | A | 280 | 5 | 0.8 | 187 | 26 | 1.9 | 20 | 63 | 1.4 | | |
| 13 8 8 40.0 | 60 12.6 | 141 2.7 | 0.1 | 0.8 | 6 | 4 | 119 | 6 | 0.44 | 2.5 | 2.5 | B | 325 | 10 | 0.6 | 81 | 16 | 0.8 | 211 | 58 | 4.7 | | |
| 13 8 52 23.7 | 60 1.0 | 140 56.1 | 4.7 | 1.0 | 9 | 3 | 155 | 16 | 0.25 | 1.2 | 1.8 | B | 128 | 12 | 0.7 | 225 | 29 | 1.4 | 18 | 58 | 3.8 | | |
| 13 9 19 14.7 | 60 11.5 | 141 4.4 | 1.3 | -0.1A | 5 | 3 | 146 | 5 | 0.42 | 2.7 | 3.6 | C | 307 | 9 | 0.6 | 43 | 35 | 1.0 | 205 | 54 | 8.4 | | |
| 13 12 40 7.7 | 60 22.1 | 140 45.5 | 12.1 | 0.2A | 7 | 2 | 149 | 27 | 0.29 | 2.4 | 4.3 | C | 94 | 5 | 1.4 | 1 | 26 | 2.2 | 194 | 63 | 9.0 | | |
| 13 16 2 1.2 | 60 15.4 | 141 35.2 | 9.7 | 1.3 | 13 | 5 | 108 | 14 | 0.37 | 0.5 | 0.8 | A | 121 | 1 | 0.7 | 31 | 15 | 1.0 | 215 | 75 | 1.5 | | |
| 13 16 29 55.7 | 60 15.6 | 141 14.0 | 10.8 | 0.9 | 10 | 9 | 112 | 16 | 0.37 | 0.6 | 0.8 | A | 289 | 8 | 0.6 | 24 | 35 | 0.7 | 188 | 54 | 1.8 | | |
| 13 19 42 48.6 | 59 49.7 | 141 2.2 | 1.6 | 1.0A | 12 | 5 | 188 | 27 | 0.43 | 0.8 | 1.8 | B | 306 | 4 | 1.2 | 215 | 5 | 1.4 | 74 | 84 | 3.4 | | |
| 13 20 7 12.1 | 59 48.8 | 141 4.9 | 0.1 | 1.0A | 10 | 5 | 196 | 28 | 0.43 | 1.0 | 1.8 | B | 295 | 2 | 1.0 | 25 | 7 | 1.9 | 189 | 83 | 3.4 | | |
| 13 20 53 20.6 | 60 8.9 | 141 4.7 | 4.1 | 0.3A | 5 | 2 | 133 | 3 | 0.17 | 1.1 | 1.0 | A | 146 | 26 | 1.7 | 261 | 31 | 0.8 | 27 | 44 | 2.3 | | |
| 13 22 7 57.5 | 61 33.3 | 151 16.6 | 1.5 | 0.7A | 8 | 7 | 108 | 30 | 0.66 | 0.3 | 0.8 | A | 339 | 2 | 0.6 | 359 | 4 | 1.4 | 152 | 86 | 50.3 | | |
| 13 22 39 54.3 | 61 10.7 | 152 9.7 | 2.1 | -0.5A | 3 | 3 | 276 | 6 | 0.00 | 1.2 | 4.6 | C | 261 | 6 | 1.9 | 318 | 10 | 0.9 | 134 | 55 | 7.2 | | |
| 14 0 58 33.5 | 60 39.6 | 142 50.9 | 14.1 | 0.8A | 4 | 3 | 146 | 50 | 0.24 | 1.3 | 4.9 | C | 192 | 1 | 1.0 | 282 | 10 | 1.8 | 96 | 80 | 9.4 | | |
| 14 1 27 23.4 | 60 6.1 | 152 55.4 | 121.4 | 2.9 | 17 | 5 | 70 | 11 | 0.37 | 1.3 | 1.2 | A | 50 | 18 | 1.6 | 304 | 40 | 2.8 | 159 | 44 | 1.9 | | |
| 14 1 55 51.8 | 60 7.3 | 141 12.3 | 0.6 | 0.0A | 3 | 2 | 148 | 8 | 0.06 | 2.2 | 25.0 | D | 269 | 2 | 0.6 | 359 | 4 | 1.4 | 152 | 86 | 50.3 | | |
| 14 3 42 17.4 | 61 25.2 | 150 48.1 | 57.7 | 2.3 | 23 | 14 | 69 | 6 | 0.42 | 0.6 | 0.9 | A | 81 | 6 | 0.5 | 169 | 21 | 0.9 | 336 | 68 | 1.7 | | |
| 14 3 42 52.1 | 60 11.0 | 141 1.5 | 8.7 | 0.3A | 3 | 3 | 287 | 3 | 0.10 | 1.2 | 1.1 | A | 180 | 2 | 1.8 | 88 | 41 | 2.8 | 272 | 49 | 1.3 | | |
| 14 4 28 18.3 | 59 55.3 | 140 7.7 | 5.5 | 0.9 | 6 | 5 | 173 | 21 | 0.44 | 1.1 | 1.7 | B | 125 | 1 | 0.6 | 215 | 30 | 1.2 | 33 | 60 | 3.7 | | |
| 14 10 50 49.8 | 59 26.0 | 152 59.1 | 100.0 | 2.8 | 11 | 5 | 129 | 79 | 0.25 | 1.6 | 2.6 | B | 192 | 18 | 1.8 | 95 | 22 | 1.5 | 318 | 61 | 5.5 | | |
| 14 12 39 34.1 | 61 35.0 | 150 16.5 | 10.4 | 0.7A | 5 | 4 | 175 | 28 | 0.46 | 8.7 | 3.0 | D | 81 | 13 | 0.7 | 160 | 14 | 16.0 | 303 | 68 | 4.7 | | |
| 14 14 50 53.5 | 61 51.5 | 149 7.6 | 1.2 | 0.8 | 7 | 6 | 180 | 9 | 0.50 | 0.9 | 2.2 | B | 4 | 10 | 1.1 | 270 | 17 | 0.8 | 123 | 70 | 4.3 | | |
| 14 15 43 27.0 | 62 38.8 | 149 28.5 | 60.3 | 2.7 | 21 | 9 | 141 | 94 | 0.47 | 1.9 | 4.1 | C | 286 | 6 | 1.3 | 18 | 22 | 1.8 | 182 | 67 | 8.3 | | |
| 14 18 27 34.0 | 59 47.1 | 152 20.1 | 80.0 | 2.9 | 15 | 6 | 91 | 52 | 0.31 | 0.9 | 1.2 | A | 95 | 4 | 0.9 | 186 | 8 | 1.6 | 339 | 81 | 2.3 | | |
| 14 22 13 26.9 | 61 48.2 | 149 3.1 | 12.3 | 0.2A | 4 | 4 | 264 | 6 | 0.12 | 1.4 | 0.9 | B | 261 | 2 | 2.7 | 166 | 31 | 1.0 | 354 | 59 | 1.9 | | |
| 15 1 44 34.3 | 59 49.5 | 151 50.2 | 46.4 | 2.1 | 14 | 9 | 172 | 39 | 0.67 | 0.8 | 1.4 | B | 285 | 6 | 0.8 | 16 | 9 | 1.4 | 162 | 79 | 2.7 | | |
| 15 2 56 11.4 | 61 33.8 | 150 12.3 | 9.9 | 0.9A | 6 | 6 | 178 | 20 | 0.34 | 1.4 | 0.7 | B | 265 | 5 | 0.8 | 358 | 30 | 3.4 | 166 | 59 | 1.9 | | |
| 15 4 46 53.8 | 62 11.7 | 147 30.2 | 38.2 | 2.6 | 22 | 16 | 192 | 41 | 0.70 | 0.5 | 1.1 | D | 27 | 2 | 5.5 | 118 | 18 | 3.3 | 291 | 72 | 21.9 | | |
| 15 11 25 24.4 | 59 10.1 | 140 6.6 | 12.3 | 1.7A | 6 | 4 | 293 | 66 | 0.13 | 0.8 | 1.5 | B | 261 | 1 | 0.8 | 339 | 14 | 1.1 | 167 | 72 | 2.8 | | |
| 15 16 19 16.0 | 59 10.2 | 139 57.8 | 19.6 | 1.4 | 8 | 7 | 248 | 64 | 0.22 | 2.3 | 2.4 | B | 179 | 28 | 2.2 | 287 | 31 | 1.4 | 56 | 6.0 | | | |
| 15 21 21 43.1 | 62 19.0 | 150 36.2 | 12.1 | 1.9 | 20 | 11 | 221 | 61 | 0.69 | 1.7 | 1.2 | B | 265 | 5 | 0.8 | 358 | 30 | 3.4 | 166 | 59 | 1.9 | | |
| 16 2 54 32.7 | 58 50.0 | 153 40.1 | 65.2 | 2.3 | 10 | 5 | 195 | 110 | 0.20 | 4.0 | 11.1 | D | 27 | 2 | 5.5 | 118 | 18 | 3.3 | 291 | 72 | 21.9 | | |
| 16 8 18 38.3 | 60 10.0 | 150 22.8 | 45.2 | 2.5 | 30 | 15 | 114 | 40 | 0.53 | 0.7 | 1.5 | B | 261 | 1 | 0.8 | 339 | 14 | 1.1 | 167 | 72 | 2.8 | | |
| 16 11 13 22 37.7 | 62 3.6 | 150 21.7 | 58.4 | 2.4 | 23 | 10 | 119 | 52 | 0.62 | 1.2 | 1.7 | B | 92 | 2 | 1.0 | 2 | 12 | 2.2 | 191 | 78 | 3.2 | | |
| 16 14 15 43.8 | 61 39.8 | 148 33.6 | 7.2 | 1.1 | 15 | 10 | 84 | 20 | 0.56 | 0.6 | 0.8 | A | 143 | 14 | 0.6 | 261 | 17 | 0.8 | 25 | 55 | 1.5 | | |
| 16 18 33 10.4 | 59 15.5 | 153 32.6 | 110.5 | 2.6 | 9 | 5 | 169 | 69 | 0.18 | 3.0 | 3.8 | C | 86 | 17 | 2.9 | 186 | 29 | 3.6 | 330 | 55 | 8.4 | | |
| 16 18 59 48.7 | 60 32.9 | 143 2.1 | 6.6 | 16.8 | 1.2 | 7 | 6 | 121 | 40 | 0.23 | 1.1 | 2.9 | C | 81 | 1 | 2.0 | 340 | 4 | 1.0 | 184 | 78 | 5.3 | |
| 16 21 37 46.3 | 59 48.1 | 151 53.1 | 2.1 | 1.1 | 14 | 8 | 176 | 56 | 0.50 | 1.0 | 2.1 | B | 281 | 3 | 1.1 | 11 | 5 | 1.9 | 160 | 84 | 4.0 | | |
| 16 22 55 4.8 | 60 31.5 | 143 2.7 | 12.8 | 0.9A | 5 | 3 | 155 | 37 | 0.41 | 1.2 | 10.9 | D | 331 | 2 | 2.1 | 116 | 70 | 2.1 | 2.1 | 261 | | | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - DECEMBER 1984

| ORIGIN | TIME | LAT | LONG | W | DEPTH | MAG | NP | NS | GAP | DI | RMS | SEZ Q | | | AZ2 DIP2 SE2 | | | AZ3 DIP3 SE3 | | | | | |
|--------|------------|---------|----------|---------|-------|---------|-----|-----|------|------|------|-------|-----|-----|--------------|-----|-----|--------------|------|-----|-----|------|------|
| | | | | | | | | | | | | DEG | MIN | SEC | DEG | SEC | DEG | SEC | | | | | |
| 1984 | HR MN SEC | DEG MIN | DEG MIN | DEG MIN | KM | | | | | KM | KM | | | | KM | | | KM | | | | | |
| DEC 16 | 23 29 25.2 | 60 30.4 | 141 15.4 | 11.4 | 1.3 | 14 | 7 | 5 | 128 | 32 | 0.48 | 0.8 | 2.1 | B | 167 | 2 | 0.8 | 81 | 18 | 0.9 | 263 | 71 | 4.0 |
| 17 0 | 25 20.7 | 60 30.6 | 141 21.4 | 17.5 | 0.8 | A | 7 | 121 | 27 | 0.54 | 1.5 | 3.3 | C | 14 | 9 | 0.7 | 108 | 20 | 1.3 | 261 | 68 | 6.7 | |
| 17 6 | 25 25.5 | 61 31.5 | 141 19.8 | 0.8 | 1.0 | 13 | 9 | 179 | 14 | 0.84 | 0.6 | 0.8 | A | 263 | 7 | 0.5 | 355 | 8 | 1.1 | 133 | 79 | 1.6 | |
| 17 6 | 46 31.2 | 60 35.3 | 147 22.1 | 28.3 | 2.6 | 36 | 17 | 60 | 36 | 0.71 | 0.3 | 0.4 | A | 278 | 1 | 0.4 | 8 | 3 | 0.5 | 170 | 87 | 0.8 | |
| 17 6 | 49 36.6 | 60 0.0 | 140 4.6 | 16.6 | 2.0 | 12 | 5 | 139 | 15 | 0.70 | 1.3 | 0.7 | A | 297 | 4 | 0.5 | 28 | 21 | 0.5 | 197 | 69 | 1.1 | |
| 17 6 | 58 32.5 | 60 0.2 | 141 40.2 | 5.5 | 0.6 | A | 10 | 7 | 175 | 19 | 0.52 | 0.5 | 0.8 | A | 268 | 0 | 0.6 | 178 | 2 | 1.0 | 358 | 88 | 1.6 |
| 17 11 | 31 30.2 | 60 3.4 | 137 11.6 | 9.9 | 1.6 | 7 | 3 | 299 | 116 | 0.12 | 3.4 | 3.6 | C | 34 | 22 | 2.7 | 288 | 35 | 4.1 | 150 | 47 | 8.4 | |
| 17 13 | 53 33.3 | 60 27.8 | 145 9.7 | 18.5 | 2.0 | 30 | 15 | 101 | 8 | 0.82 | 0.4 | 0.4 | A | 81 | 5 | 0.5 | 346 | 33 | 0.8 | 179 | 56 | 0.8 | |
| 17 15 | 37 31.4 | 61 11.7 | 146 33.4 | 6.2 | 0.2 | A | 3 | 226 | 14 | 0.11 | 3.9 | 10.7 | D | 16 | 10 | 1.1 | 283 | 17 | 1.8 | 135 | 70 | 21.3 | |
| 17 17 | 44 49.6 | 61 16.9 | 152 11.3 | 23.5 | 0.6 | 3 | 3 | 286 | 2 | 0.12 | 2.1 | 1.4 | B | 96 | 15 | 4.0 | 194 | 29 | 2.4 | 342 | 57 | 2.4 | |
| 17 18 | 36 25.2 | 59 31.9 | 152 21.3 | 71.2 | 3.3 | 13 | 3 | 110 | 77 | 0.23 | 1.2 | 2.5 | B | 90 | 10 | 1.3 | 182 | 15 | 1.7 | 327 | 72 | 5.0 | |
| | | | | | 3.8 | ML ATWC | | | | | | | | | | | | | | | | | |
| 17 19 | 57 32.1 | 60 6.8 | 141 14.8 | 4.3 | 1.0 | 15 | 6 | 132 | 9 | 0.25 | 0.5 | 0.6 | A | 291 | 7 | 0.4 | 26 | 39 | 0.9 | 193 | 50 | 1.1 | |
| 17 21 | 31 30.7 | 61 40.2 | 151 21.2 | 77.4 | 3.1 | 26 | 11 | 95 | 36 | 0.39 | 0.8 | 0.9 | A | 81 | 12 | 0.7 | 169 | 33 | 1.2 | 333 | 55 | 1.8 | |
| 17 22 | 52 6.5 | 60 25.5 | 143 5.0 | 23.5 | 2.6 | 27 | 10 | 84 | 28 | 0.36 | 0.4 | 0.5 | A | 42 | 17 | 0.6 | 305 | 23 | 0.4 | 165 | 61 | 1.0 | |
| 17 23 | 13 24.6 | 60 25.9 | 143 5.6 | 20.6 | 1.7 | 23 | 14 | 118 | 29 | 0.41 | 0.4 | 0.7 | A | 35 | 6 | 0.7 | 304 | 9 | 0.4 | 158 | 79 | 1.4 | |
| 17 23 | 46 28.7 | 60 4.8 | 139 22.5 | 20.5 | 0.7 | 6 | 213 | 20 | 0.55 | 2.2 | 1.6 | B | 124 | 25 | 0.9 | 232 | 34 | 4.9 | 6 | 46 | 1.7 | | |
| 18 1 | 15 40.1 | 60 25.1 | 143 0.9 | 25.9 | 0.7 | A | 7 | 3 | 112 | 26 | 0.52 | 4.2 | 4.5 | C | 353 | 28 | 1.0 | 261 | 37 | 2.2 | 118 | 45 | 11.0 |
| 18 1 | 26 35.3 | 60 23.8 | 142 56.8 | 27.9 | 0.6 | A | 8 | 6 | 103 | 22 | 0.33 | 3.6 | 3.3 | C | 261 | 16 | 1.4 | 151 | 41 | 9.0 | 7 | 43 | 0.8 |
| 18 3 | 44 21.0 | 61 48.0 | 148 56.0 | 14.0 | 1.0 | 15 | 10 | 111 | 3 | 0.40 | 0.5 | 0.5 | A | 128 | 22 | 0.8 | 261 | 34 | 0.7 | 21 | 34 | 0.9 | |
| 18 3 | 46 21.8 | 60 9.5 | 140 59.7 | 9.9 | 0.1 | 11 | 5 | 111 | 2 | 0.35 | 0.8 | 0.5 | A | 94 | 19 | 0.5 | 191 | 20 | 1.5 | 324 | 62 | 0.8 | |
| 18 6 | 31 43.2 | 60 8.4 | 141 11.1 | 5.4 | 1.8 | 17 | 10 | 101 | 9 | 0.34 | 0.4 | 0.4 | A | 281 | 5 | 0.4 | 187 | 43 | 0.8 | 16 | 47 | 0.6 | |
| 18 6 | 50 59.3 | 60 6.3 | 141 11.2 | 2.4 | 0.9 | 12 | 4 | 121 | 6 | 0.28 | 0.5 | 0.8 | A | 8 | 1 | 0.9 | 278 | 4 | 0.5 | 112 | 86 | 1.4 | |
| 18 9 | 42 37.2 | 60 7.3 | 141 13.6 | 2.7 | 0.8 | 12 | 3 | 122 | 9 | 0.40 | 0.7 | 0.9 | A | 176 | 5 | 1.3 | 266 | 7 | 0.6 | 51 | 81 | 1.6 | |
| 18 13 | 5 43.1 | 60 20.6 | 140 46.5 | 13.2 | 1.4 | 15 | 9 | 147 | 25 | 0.47 | 0.6 | 0.9 | A | 296 | 3 | 0.5 | 28 | 26 | 0.7 | 200 | 64 | 1.9 | |
| 18 13 | 51 14.1 | 61 47.9 | 148 56.0 | 13.0 | 1.2 | 18 | 13 | 97 | 5 | 0.55 | 0.4 | 0.4 | A | 157 | 16 | 0.7 | 261 | 39 | 0.5 | 49 | 46 | 0.9 | |
| 18 16 | 40 36.1 | 59 38.9 | 152 6.2 | 45.2 | 2.3 | 15 | 6 | 107 | 63 | 0.53 | 0.8 | 1.6 | B | 280 | 0 | 0.8 | 190 | 4 | 1.6 | 10 | 86 | 3.0 | |
| 19 1 | 5 41.5 | 61 37.7 | 151 15.7 | 4.1 | 0.9 | 10 | 6 | 112 | 33 | 0.72 | 0.6 | 1.4 | A | 149 | 4 | 0.6 | 261 | 7 | 0.9 | 35 | 67 | 2.4 | |
| 19 2 | 3 21.2 | 61 11.1 | 152 12.2 | 5.1 | -0.3 | A | 3 | 283 | 8 | 0.04 | 1.7 | 2.6 | B | 333 | 7 | 1.4 | 261 | 14 | 2.9 | 92 | 66 | 4.7 | |
| 19 4 | 42 11.0 | 59 59.2 | 141 39.4 | 4.4 | 0.8 | 10 | 8 | 176 | 21 | 0.61 | 0.9 | 1.0 | A | 122 | 12 | 0.9 | 220 | 34 | 1.5 | 153 | 2.1 | 2.1 | |
| 19 6 | 21 7.3 | 60 11.5 | 141 28.5 | 1.6 | 0.6 | 6 | 3 | 126 | 5 | 0.46 | 1.6 | 3.1 | C | 332 | 13 | 0.9 | 81 | 17 | 1.5 | 212 | 62 | 6.2 | |
| 19 6 | 59 46.5 | 60 24.0 | 140 36.4 | 18.7 | 0.9 | A | 5 | 2 | 270 | 37 | 0.41 | 4.6 | 4.4 | C | 81 | 17 | 2.1 | 332 | 41 | 3.4 | 188 | 43 | 11.4 |
| 19 9 | 37 35.1 | 59 59.6 | 141 40.2 | 6.1 | 0.6 | 7 | 6 | 203 | 20 | 0.73 | 1.4 | 1.2 | B | 123 | 5 | 1.3 | 217 | 34 | 2.1 | 26 | 55 | 3.3 | |
| 19 20 | 33 45.0 | 60 16.3 | 141 36.0 | 8.4 | 1.3 | 10 | 3 | 94 | 13 | 0.34 | 1.6 | 1.2 | B | 332 | 9 | 0.8 | 261 | 34 | 3.3 | 76 | 51 | 1.3 | |
| 19 21 | 13 45.6 | 61 47.4 | 148 58.8 | 10.3 | 0.8 | 13 | 11 | 87 | 4 | 0.65 | 0.8 | 0.8 | A | 304 | 5 | 0.9 | 261 | 12 | 0.9 | 171 | 77 | 2.2 | |
| 19 22 | 56 18.1 | 58 6.3 | 151 20.8 | 82.1 | 2.9 | 9 | 3 | 218 | 79 | 0.58 | 5.9 | 5.6 | D | 30 | 17 | 1.8 | 283 | 42 | 12.8 | 136 | 43 | 8.8 | |
| 19 26 | 49 1.9 | 61 56.1 | 149 21.6 | 2.8 | 1.8 | 25 | 13 | 169 | 23 | 0.67 | 0.8 | 1.0 | A | 274 | 23 | 0.6 | 173 | 25 | 1.2 | 41 | 55 | 2.2 | |
| 19 26 | 51 41.7 | 61 33.4 | 140 39.8 | 4.9 | 1.8 | 8 | 5 | 261 | 75 | 0.34 | 3.4 | 25.0 | D | 323 | 1 | 2.2 | 81 | 3 | 3.6 | 219 | 62 | 58.1 | |
| 20 6 | 16 27.2 | 60 2.1 | 141 40.5 | 8.5 | 2.1 | 11 | 9 | 164 | 17 | 0.45 | 0.8 | 0.7 | A | 87 | 13 | 0.7 | 347 | 36 | 1.6 | 194 | 51 | 1.3 | |
| 20 7 | 12 58.0 | 59 58.9 | 140 37.3 | 2.7 | 1.0 | 8 | 4 | 175 | 24 | 0.28 | 1.4 | 1.7 | B | 290 | 2 | 0.9 | 199 | 33 | 2.1 | 23 | 57 | 3.5 | |
| 20 10 | 46 33.1 | 60 8.1 | 141 12.8 | 0.2 | 1.0 | 8 | 7 | 141 | 10 | 0.25 | 0.8 | 1.2 | A | 271 | 1 | 0.4 | 1 | 19 | 1.3 | 178 | 71 | 2.3 | |
| 20 12 | 14 30.8 | 61 40.4 | 148 35.3 | 8.4 | 0.6 | A | 12 | 7 | 89 | 20 | 0.56 | 0.5 | 0.8 | A | 151 | 10 | 0.5 | 261 | 14 | 0.7 | 33 | 64 | 1.5 |
| 20 15 | 14 9.6 | 60 7.5 | 141 30.8 | 9.1 | 0.8 | 9 | 7 | 132 | 2 | 0.50 | 0.6 | 0.5 | A | 281 | 7 | 0.7 | 188 | 25 | 1.2 | 26 | 64 | 0.8 | |
| 20 16 | 16 27.2 | 60 1.7 | 141 31.8 | 8.8 | 1.1 | 8 | 165 | 14 | 0.32 | 0.6 | 0.6 | A | 272 | 7 | 0.7 | 9 | 44 | 1.2 | 175 | 45 | 1.0 | | |
| 20 17 | 12 58.0 | 59 58.9 | 140 37.3 | 2.7 | 1.0 | 8 | 4 | 175 | 24 | 0.28 | 1.4 | 1.7 | B | 290 | 2 | 0.9 | 199 | 33 | 2.1 | 23 | 57 | 3.5 | |
| 20 19 | 21 56 18.1 | 58 6.3 | 151 20.8 | 82.1 | 2.9 | 9 | 3 | 218 | 79 | 0.58 | 5.9 | 5.6 | D | 30 | 17 | 1.8 | 283 | 42 | 12.8 | 136 | 43 | 8.8 | |
| 20 20 | 43 39.1 | 61 55.4 | 147 23.9 | 40.2 | 2.3 | 25 | 12 | 158 | 11 | 0.62 | 0.7 | 1.0 | A | 85 | 5 | 0.6 | 176 | 16 | 1.2 | 338 | 73 | 2.0 | |
| 20 20 | 5 51 | 60 9.2 | 141 32.3 | 7.2 | 0.6 | 7 | 3 | 135 | 8 | 0.46 | 1.1 | 0.9 | A | 290 | 3 | 0.8 | 198 | 31 | 2.3 | 25 | 59 | 1.3 | |
| 20 20 | 18 24 29.0 | 60 20.6 | 140 45.9 | 5.7 | 1.4 | 16 | 8 | 148 | 26 | 0.49 | 0.5 | 0.8 | A | 291 | 10 | 0.6 | 24 | 17 | 0.7 | 172 | 70 | 1.6 | |
| 20 20 | 20 45.0 | 60 6.5 | 141 16.3 | 9.7 | 0.7 | 12 | 14 | 10 | 16 | 0.25 | 0.6 | 0.5 | A | 278 | 0 | 0.5 | 188 | 13 | 1.1 | 8 | 77 | 1.6 | |
| 20 23 | 22 53.6 | 61 9.6 | 146 16.7 | 16.1 | 0.4 | A | 5 | 4 | 154 | 4 | 0.16 | 2.2 | 2.9 | B | 33 | 11 | 0.8 | 301 | 11 | 4.2 | 167 | 74 | 1.6 |
| 20 23 | 24 7.3 | 61 9.3 | 146 16.0 | 18.2 | 0.4 | 4 | 5 | 183 | 4 | 0.2 | 0.6 | 0.5 | A | 278 | 0 | 0.5 | 188 | 13 | 1.1 | 8 | 77 | 1.6 | |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - DECEMBER 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | D1 | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | |
|-------------|-------|------|------|------|-------|------|-------|------|-----|-----|-----|------|------|-------|--------|------|-----|------|------|-----|-----|------|-----|------|
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | |
| DEC 21 | 3 26 | 29.1 | 59 | 56.7 | 140 | 36.7 | 0.6 | 0.4A | 5 | 1 | 188 | 26 | 0.23 | 2.1 | 3.5 C | 107 | 2 | 1.0 | 198 | 28 | 1.9 | 13 | 62 | 7.5 |
| 21 | 6 53 | 42.8 | 60 | 8.8 | 141 | 6.0 | 3.5 | -0.2 | 4 | 3 | 167 | 4 | 0.21 | 0.5 | 0.8 A | 351 | 4 | 0.9 | 261 | 14 | 0.6 | 97 | 75 | 1.6 |
| 21 | 8 40 | 20.3 | 60 | 35.1 | 152 | 25.9 | 12.3 | 0.6 | 3 | 3 | 172 | 2 | 0.51 | 25.0 | 8.2 D | 111 | 9 | 99.0 | 207 | 34 | 1.6 | 8 | 55 | 0.7 |
| 21 | 18 42 | 14.0 | 61 | 12.3 | 151 | 51.3 | 7.6 | -0.1 | 3 | 3 | 292 | 11 | 0.22 | 1.4 | 2.8 C | 25 | 15 | 1.4 | 120 | 16 | 2.0 | 254 | 68 | 5.6 |
| 21 | 19 16 | 58.2 | 59 | 49.0 | 141 | 4.8 | 5.2 | 1.2 | 16 | 8 | 182 | 27 | 0.53 | 0.8 | 1.2 A | 121 | 8 | 0.6 | 215 | 26 | 1.2 | 15 | 63 | 2.5 |
| 21 | 19 25 | 57.4 | 59 | 50.9 | 141 | 1.8 | 5.3 | 0.9A | 13 | 6 | 179 | 24 | 0.54 | 1.2 | 1.5 B | 120 | 4 | 0.9 | 212 | 30 | 1.7 | 23 | 60 | 3.2 |
| 21 | 19 32 | 4.3 | 59 | 51.5 | 141 | 4.4 | 10.4 | 1.3 | 13 | 7 | 179 | 33 | 0.58 | 1.3 | 1.5 B | 126 | 14 | 0.8 | 225 | 33 | 2.1 | 16 | 53 | 3.2 |
| 21 | 19 34 | 16.3 | 60 | 52.6 | 152 | 14.2 | 5.4 | 0.4A | 4 | 4 | 179 | 35 | 0.30 | 25.0 | 2.6 D | 285 | 0 | 47.0 | 15 | 1 | 0.5 | 195 | 89 | 4.8 |
| 22 | 3 13 | 6.3 | 59 | 43.9 | 138 | 49.9 | 28.3 | 1.0 | 4 | 4 | 246 | 31 | 0.27 | 2.2 | 2.0 B | 333 | 26 | 1.2 | 86 | 38 | 1.9 | 218 | 41 | 5.3 |
| 22 | 5 34 | 23.6 | 60 | 33.5 | 143 | 0.3 | 14.6 | 1.1 | 19 | 12 | 93 | 41 | 0.59 | 0.6 | 1.3 A | 261 | 2 | 0.9 | 331 | 5 | 0.7 | 148 | 69 | 2.4 |
| 22 | 10 27 | 41.2 | 61 | 3.2 | 146 | 31.2 | 13.8 | 2.8 | 35 | 14 | 35 | 2 | 0.71 | 0.3 | 0.5 A | 181 | 4 | 0.5 | 271 | 12 | 0.4 | 73 | 77 | 1.0 |
| | | | | | 3.0 | ML | ATWC | | | | | | | | | | | | | | | | | |
| 23 | 4 40 | 15.5 | 61 | 36.1 | 146 | 31.2 | 27.2 | 2.0 | 30 | 18 | 78 | 34 | 0.70 | 0.5 | 0.9 A | 289 | 2 | 0.6 | 199 | 7 | 0.9 | 35 | 83 | 1.8 |
| 23 | 5 50 | 17.6 | 60 | 24.2 | 142 | 57.4 | 22.3 | 1.2A | 5 | 2 | 223 | 23 | 0.41 | 2.6 | 4.0 C | 104 | 10 | 4.4 | 9 | 26 | 1.9 | 213 | 62 | 8.4 |
| 23 | 9 59 | 46.1 | 60 | 12.3 | 140 | 59.2 | 9.9 | 1.4 | 13 | 7 | 119 | 6 | 0.18 | 1.0 | 0.9 A | 107 | 2 | 0.8 | 199 | 43 | 2.3 | 15 | 47 | 0.9 |
| 23 | 13 10 | 6.3 | 60 | 12.5 | 141 | 35.0 | 7.2 | 1.3 | 14 | 9 | 95 | 9 | 0.46 | 0.7 | 0.9 A | 38 | 5 | 1.3 | 129 | 10 | 0.9 | 282 | 79 | 1.7 |
| 23 | 22 2 | 0.8 | 62 | 13.5 | 150 | 58.8 | 75.6 | 3.4 | 23 | 8 | 97 | 40 | 0.39 | 1.0 | 1.6 B | 91 | 2 | 1.1 | 0 | 20 | 1.6 | 186 | 70 | 3.1 |
| 23 | 22 18 | 9.7 | 60 | 26.4 | 143 | 18.1 | 8.4 | 0.9A | 4 | 2 | 188 | 37 | 0.29 | 3.0 | 11.8 D | 359 | 4 | 1.4 | 268 | 8 | 4.5 | 115 | 81 | 22.3 |
| 23 | 23 9 | 29.6 | 61 | 14.8 | 150 | 37.5 | 8.2 | 0.6A | 3 | 3 | 280 | 25 | 0.11 | 2.7 | 1.4 C | 108 | 14 | 5.1 | 210 | 38 | 1.4 | 2 | 48 | 2.9 |
| 23 | 23 9 | 39.8 | 62 | 10.5 | 149 | 20.5 | 51.3 | 1.2 | 6 | 5 | 264 | 42 | 0.24 | 3.8 | 3.0 C | 275 | 19 | 2.2 | 173 | 31 | 7.7 | 32 | 52 | 4.9 |
| 24 | 1 47 | 39.3 | 60 | 20.4 | 141 | 57.3 | 2.8 | 0.9 | 11 | 4 | 66 | 12 | 0.53 | 0.5 | 1.2 A | 4 | 2 | 0.6 | 274 | 15 | 0.7 | 101 | 75 | 2.3 |
| 24 | 3 30 | 13.9 | 61 | 43.6 | 150 | 38.9 | 10.1 | 0.9A | 9 | 8 | 139 | 30 | 0.82 | 0.4 | 0.9 A | 357 | 0 | 0.8 | 267 | 4 | 0.6 | 87 | 86 | 1.6 |
| 24 | 5 42 | 22.0 | 61 | 48.2 | 148 | 55.2 | 10.2 | 2.4 | 31 | 9 | 108 | 5 | 0.65 | 0.4 | 0.5 A | 173 | 3 | 0.7 | 264 | 21 | 0.5 | 75 | 69 | 1.0 |
| 24 | 6 16 | 14.0 | 61 | 36.2 | 150 | 5.5 | 48.1 | 2.5 | 30 | 16 | 125 | 13 | 0.45 | 0.5 | 0.8 A | 266 | 1 | 0.5 | 176 | 18 | 0.9 | 359 | 72 | 1.6 |
| 24 | 7 13 | 46.1 | 58 | 16.3 | 153 | 4.8 | 55.9 | 2.9 | 9 | 3 | 191 | 68 | 0.16 | 3.8 | 9.6 D | 341 | 10 | 1.4 | 81 | 14 | 4.6 | 219 | 70 | 18.7 |
| 24 | 9 26 | 11.0 | 60 | 12.6 | 141 | 32.8 | 6.4 | 0.9 | 9 | 5 | 92 | 8 | 0.68 | 1.0 | 0.9 A | 328 | 14 | 0.6 | 261 | 41 | 2.0 | 75 | 42 | 1.1 |
| 24 | 11 44 | 0.2 | 60 | 21.2 | 141 | 23.8 | 15.4 | 0.7 | 7 | 5 | 111 | 19 | 0.19 | 0.7 | 1.3 A | 359 | 16 | 0.7 | 95 | 18 | 1.0 | 230 | 65 | 2.5 |
| 24 | 11 51 | 52.8 | 60 | 35.5 | 142 | 46.1 | 25.3 | 0.8A | 8 | 6 | 90 | 43 | 0.50 | 1.2 | 1.5 B | 358 | 4 | 0.9 | 265 | 35 | 1.4 | 94 | 55 | 3.2 |
| 24 | 12 49 | 56.4 | 60 | 11.4 | 143 | 9.3 | 14.7 | 0.6A | 9 | 5 | 207 | 18 | 0.74 | 2.3 | 1.8 B | 286 | 21 | 1.5 | 185 | 28 | 4.5 | 48 | 54 | 3.2 |
| 24 | 13 29 | 57.2 | 58 | 41.7 | 154 | 22.1 | 23.4 | 2.8 | 9 | 4 | 213 | 122 | 0.51 | 5.9 | 12.0 D | 341 | 2 | 1.5 | 81 | 23 | 5.6 | 246 | 65 | 24.2 |
| | | | | | 3.4 | ML | ATWC | | | | | | | | | | | | | | | | | |
| 24 | 15 44 | 37.4 | 62 | 11.3 | 150 | 23.9 | 57.4 | 2.4 | 23 | 7 | 133 | 64 | 0.48 | 1.0 | 1.5 B | 94 | 7 | 0.9 | 1 | 20 | 1.7 | 202 | 69 | 3.0 |
| 24 | 16 16 | 0.1 | 59 | 31.5 | 153 | 17.9 | 104.4 | 2.8 | 13 | 6 | 134 | 58 | 0.26 | 1.5 | 1.8 B | 187 | 21 | 2.0 | 85 | 28 | 1.6 | 309 | 54 | 4.0 |
| 24 | 23 6 | 57.0 | 61 | 51.8 | 149 | 24.0 | 5.1 | 1.1 | 19 | 12 | 162 | 23 | 0.69 | 0.5 | 0.6 A | 1 | 9 | 1.0 | 268 | 17 | 0.4 | 118 | 71 | 1.2 |
| 25 | 3 25 | 48.2 | 60 | 2.0 | 141 | 13.9 | 5.1 | 1.1 | 12 | 3 | 160 | 7 | 0.38 | 0.8 | 1.0 A | 262 | 11 | 0.7 | 165 | 32 | 1.2 | 9 | 56 | 2.1 |
| 25 | 5 2 | 46.0 | 60 | 2.7 | 141 | 13.2 | 6.3 | 1.5 | 13 | 7 | 158 | 6 | 0.42 | 0.6 | 0.6 A | 268 | 12 | 0.6 | 167 | 43 | 1.2 | 10 | 45 | 1.0 |
| 25 | 5 49 | 8.0 | 61 | 58.6 | 148 | 48.2 | 10.0 | 1.6 | 25 | 9 | 172 | 18 | 0.56 | 0.6 | 0.5 A | 28 | 25 | 0.9 | 141 | 39 | 1.2 | 275 | 40 | 0.7 |
| 25 | 6 11 | 5.7 | 60 | 6.6 | 141 | 11.3 | 0.4 | 0.8 | 11 | 3 | 119 | 7 | 0.24 | 0.7 | 1.6 B | 287 | 5 | 0.6 | 18 | 11 | 1.3 | 173 | 78 | 3.1 |
| 25 | 7 2 | 30.2 | 60 | 40.7 | 143 | 1.5 | 21.0 | 8 | 3 | 95 | 54 | 0.33 | 1.0 | 2.8 C | 310 | 6 | 1.1 | 218 | 15 | 1.3 | 61 | 74 | 5.4 | |
| 25 | 7 8 | 44.0 | 60 | 1.8 | 139 | 54.7 | 10.7 | 0.5 | 6 | 3 | 168 | 18 | 0.23 | 2.8 | 0.9 C | 297 | 7 | 0.6 | 28 | 7 | 5.3 | 163 | 80 | 1.5 |
| 25 | 9 58 | 47.2 | 60 | 0.9 | 140 | 39.8 | 12.5 | 1.2 | 9 | 4 | 164 | 24 | 0.52 | 1.7 | 1.3 B | 111 | 6 | 0.7 | 17 | 35 | 3.6 | 209 | 54 | 1.8 |
| 25 | 10 2 | 16.2 | 60 | 1.1 | 141 | 14.2 | 3.0 | 1.0 | 12 | 6 | 163 | 8 | 0.47 | 0.7 | 0.8 A | 108 | 4 | 0.6 | 201 | 36 | 1.1 | 13 | 54 | 1.7 |
| 25 | 11 17 | 25.1 | 60 | 1.7 | 141 | 13.9 | 2.9 | 0.8 | 10 | 6 | 161 | 7 | 0.36 | 0.7 | 0.9 A | 104 | 7 | 0.5 | 199 | 33 | 0.9 | 4 | 56 | 1.8 |
| 25 | 12 24 | 28.8 | 60 | 9.5 | 141 | 1.2 | 5.5 | 0.2A | 5 | 3 | 160 | 1 | 0.30 | 1.3 | 0.7 A | 261 | 12 | 1.8 | 347 | 12 | 2.5 | 124 | 73 | 1.2 |
| 25 | 16 41 | 3.7 | 60 | 12.3 | 141 | 2.5 | 12.8 | 1.0 | 14 | 6 | 116 | 6 | 0.14 | 0.6 | 0.5 A | 93 | 21 | 0.6 | 343 | 40 | 0.6 | 203 | 42 | 1.3 |
| 25 | 17 12 | 40.0 | 60 | 11.6 | 141 | 2.2 | 10.5 | 0.7 | 12 | 5 | 114 | 4 | 0.20 | 0.7 | 0.6 A | 293 | 15 | 0.6 | 191 | 36 | 1.6 | 42 | 50 | 0.7 |
| 25 | 19 20 | 50.5 | 60 | 14.9 | 140 | 56.1 | 10.1 | 2.0 | 19 | 9 | 129 | 12 | 0.32 | 0.5 | 0.7 A | 288 | 3 | 0.5 | 20 | 33 | 0.6 | 193 | 57 | 1.5 |
| 25 | 19 28 | 33.3 | 60 | 13.3 | 140 | 58.5 | 9.4 | 0.7 | 14 | 7 | 122 | 8 | 0.22 | 0.8 | 0.8 A | 97 | 3 | 0.5 | 4 | 43 | 0.7 | 190 | 47 | 2.0 |
| 25 | 20 11 | 9.6 | 59 | 59.5 | 152 | 45.3 | 87.7 | 2.4 | 17 | 6 | 152 | 21 | 0.32 | 1.1 | 1.1 A | 81 | 14 | 1.0 | 163 | 38 | 1.6 | 333 | 49 | 2.4 |
| 25 | 22 51 | 6.6 | 58 | 3.5 | 151 | 42.0 | 28.1 | 2.7 | 10 | 4 | 205 | 58 | 0.32 | 13.9 | 25.0 D | 303 | 9 | 6.5 | 35 | 12 | 1.4 | 177 | 75 | 99.0 |
| 26 | 3 28 | 47.9 | 60 | 27.3 | 145 | 13.7 | 14.5 | 0.1A | 3 | 3 | 264 | 9 | 0.34 | 2.2 | 2.8 C | 46 | 13 | 3.6 | 144 | 32 | 2.5 | 297 | 55 | 6.0 |

PRELIMINARY DETERMINATION OF HYPOCENTERS IN SOUTHERN ALASKA - DECEMBER 1984

| ORIGIN TIME | LAT | N | LONG | W | DEPTH | MAG | NP | NS | GAP | D1 | RMS | SEH | SEZ | Q | AZ1 | DIP1 | SE1 | AZ2 | DIP2 | SE2 | AZ3 | DIP3 | SE3 | | | | |
|-------------|-----|----|------|-----|-------|-----|------|-------|-------|------|-----|-----|------|------|------|------|-----|-----|------|------|-----|------|-----|------|-----|-----|----|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1984 | HR | MN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | DEG | MIN | SEC | | | |
| DEC 26 | 3 | 30 | 12.7 | 60 | 59.6 | 141 | 9.6 | 7.0 | 0.2A | 4 | 3 | 143 | 4 | 0.08 | 1.3 | 2.4 | B | 21 | 12 | 1.7 | 286 | 21 | 1.0 | 139 | 65 | | |
| | | | | 61 | 42.5 | 150 | 52.2 | 63.9 | 2.3 | 24 | 11 | 130 | 28 | 0.48 | 1.0 | 1.4 | B | 81 | 7 | 0.8 | 172 | 20 | 1.7 | 332 | 69 | | |
| 26 | 5 | 53 | 33.0 | 61 | 57.5 | 59 | 29.8 | 138 | 49.9 | 10.9 | 1.4 | 8 | 4 | 247 | 6 | 0.57 | 4.6 | 2.2 | C | 223 | 22 | 9.3 | 117 | 34 | 3.6 | 339 | 48 |
| 26 | 6 | 52 | 57.5 | 59 | 29.8 | 139 | 49.9 | 10.9 | 1.4 | 8 | 4 | 247 | 18 | 0.17 | 19.6 | 25.0 | D | 305 | 19 | 4.0 | 204 | 31 | 0.9 | 62 | 53 | | |
| 26 | 6 | 55 | 43.9 | 61 | 44.5 | 152 | 18.2 | 15.0 | 0.5A | 3 | 3 | 195 | 22 | 0.41 | 2.7 | 1.3 | B | 312 | 13 | 0.9 | 218 | 16 | 5.2 | 79 | 69 | | |
| 26 | 8 | 50 | 42.8 | 61 | 49.0 | 148 | 57.1 | 1.1 | -0.1A | 4 | 4 | 149 | 2 | 0.32 | 1.1 | 3.6 | C | 162 | 7 | 0.8 | 81 | 9 | 1.7 | 293 | 76 | | |
| 26 | 9 | 36 | 56.1 | 58 | 35.3 | 154 | 48.3 | 24.8 | -2.5 | 7 | 4 | 228 | 138 | 0.38 | 17.3 | 25.0 | D | 151 | 4 | 2.5 | 81 | 21 | 8.2 | 251 | 61 | | |
| 26 | 19 | 54 | 23.5 | 59 | 59.8 | 152 | 57.4 | 108.4 | 2.7 | 13 | 10 | 150 | 22 | 0.52 | 1.6 | 1.8 | B | 81 | 11 | 1.6 | 155 | 21 | 2.5 | 332 | 54 | | |
| 27 | 7 | 30 | 42.5 | 61 | 33.3 | 149 | 52.0 | 51.4 | 1.0A | 13 | 9 | 117 | 39 | 0.36 | 0.7 | 1.3 | A | 81 | 2 | 0.6 | 191 | 7 | 1.3 | 335 | 83 | | |
| 27 | 8 | 11 | 12.4 | 59 | 57.8 | 139 | 42.0 | 18.8 | 0.7 | 5 | 5 | 155 | 4 | 0.42 | 2.7 | 1.0 | C | 46 | 16 | 5.3 | 305 | 34 | 0.9 | 157 | 51 | | |
| 27 | 9 | 3 | 55.0 | 60 | 7.8 | 139 | 49.2 | 13.3 | 0.9 | 7 | 2 | 193 | 22 | 0.41 | 2.7 | 1.3 | B | 312 | 13 | 0.9 | 218 | 16 | 5.2 | 79 | 69 | | |
| 27 | 19 | 39 | 50.2 | 60 | 10.9 | 141 | 7.0 | 13.6 | 0.7 | 13 | 8 | 109 | 6 | 0.19 | 0.6 | 0.5 | A | 295 | 21 | 0.6 | 192 | 29 | 1.2 | 55 | 53 | | |
| 28 | 0 | 58 | 10.8 | 59 | 22.0 | 154 | 38.7 | 0.7 | 2.1 | 9 | 6 | 201 | 53 | 0.65 | 2.2 | 1.4 | B | 295 | 24 | 4.4 | 187 | 35 | 1.8 | 52 | 45 | | |
| 28 | 4 | 29 | 54.4 | 59 | 21.5 | 151 | 20.0 | 33.9 | 2.4 | 16 | 6 | 150 | 52 | 0.71 | 1.2 | 3.2 | C | 267 | 4 | 1.1 | 176 | 5 | 2.3 | 35 | 84 | | |
| 28 | 5 | 36 | 7.0 | 61 | 8.5 | 146 | 26.2 | 15.5 | 0.6 | 12 | 6 | 88 | 6 | 0.84 | 0.7 | 0.6 | A | 225 | 3 | 0.6 | 134 | 33 | 1.4 | 320 | 57 | | |
| 28 | 6 | 14 | 46.4 | 61 | 46.8 | 149 | 4.3 | -0.3A | 4 | 4 | 228 | 8 | 0.42 | 1.7 | 1.2 | B | 169 | 24 | 1.3 | 81 | 27 | 3.2 | 301 | 54 | | | |
| 28 | 13 | 21 | 8.6 | 60 | 20.4 | 140 | 0.4 | 0.4 | 0.5 | 7 | 4 | 199 | 30 | 0.57 | 0.9 | 1.7 | B | 316 | 3 | 0.7 | 81 | 10 | 1.2 | 214 | 54 | | |
| 28 | 13 | 34 | 13.1 | 60 | 18.3 | 140 | 0.6 | 7.2 | 0.7 | 7 | 3 | 196 | 27 | 0.27 | 1.4 | 2.7 | C | 331 | 10 | 0.8 | 81 | 21 | 1.1 | 220 | 60 | | |
| 28 | 18 | 35 | 8.3 | 61 | 9.5 | 150 | 9.2 | 51.0 | 1.0A | 9 | 9 | 89 | 46 | 0.59 | 0.6 | 2.0 | B | 336 | 1 | 0.9 | 81 | 5 | 0.9 | 236 | 74 | | |
| 28 | 20 | 3 | 9.8 | 61 | 27.8 | 149 | 43.6 | 33.8 | 1.5 | 25 | 12 | 64 | 22 | 0.83 | 0.4 | 0.6 | A | 92 | 3 | 0.5 | 184 | 27 | 0.6 | 356 | 63 | | |
| 28 | 22 | 56 | 25.0 | 61 | 38.6 | 142 | 25.7 | 0.0 | 1.2 | 11 | 4 | 237 | 68 | 0.57 | 2.2 | 6.7 | D | 292 | 0 | 0.8 | 22 | 4 | 4.1 | 202 | 86 | | |
| 28 | 22 | 56 | 46.0 | 61 | 43.3 | 142 | 26.3 | 0.5 | 1.2 | 6 | 4 | 243 | 77 | 0.73 | 3.0 | 3.8 | C | 280 | 0 | 1.2 | 10 | 7 | 5.6 | 190 | 83 | | |
| 29 | 3 | 2 | 14.6 | 60 | 3.4 | 153 | 18.8 | 150.7 | 3.9 | 16 | 8 | 75 | 31 | 0.42 | 1.2 | 1.4 | B | 206 | 8 | 1.7 | 111 | 29 | 2.2 | 310 | 60 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 4 | 32 | 57.0 | 61 | 20.4 | 146 | 58.9 | 21.5 | 2.2 | 32 | 14 | 46 | 33 | 0.44 | 0.3 | 0.9 | A | 209 | 2 | 0.6 | 300 | 7 | 0.5 | 103 | 83 | | |
| 29 | 6 | 23 | 11.9 | 62 | 38.6 | 149 | 29.2 | 43.5 | 2.4 | 21 | 5 | 142 | 94 | 0.50 | 1.6 | 6.2 | D | 309 | 5 | 2.2 | 40 | 10 | 2.0 | 193 | 79 | | |
| 29 | 9 | 4 | 19.3 | 61 | 51.5 | 149 | 16.4 | 4.9 | 1.1 | 14 | 11 | 178 | 96 | 0.67 | 0.7 | 1.1 | A | 358 | 1 | 1.3 | 267 | 24 | 0.7 | 90 | 66 | | |
| 29 | 17 | 9 | 43.4 | 62 | 35.5 | 151 | 15.9 | 93.9 | 2.8 | 18 | 4 | 194 | 69 | 0.36 | 4.1 | 3.5 | C | 85 | 16 | 2.8 | 188 | 39 | 9.2 | 337 | 47 | | |
| 29 | 18 | 2 | 18.9 | 61 | 6.4 | 152 | 12.4 | 9.1 | 0.5 | 4 | 4 | 179 | 12 | 0.27 | 2.4 | 2.7 | C | 197 | 26 | 1.0 | 301 | 28 | 2.9 | 71 | 50 | | |
| 29 | 20 | 8 | 30.3 | 61 | 11.2 | 152 | 13.0 | 8.2 | 1.7 | 10 | 10 | 164 | 9 | 0.88 | 1.0 | 0.5 | A | 285 | 5 | 1.9 | 20 | 43 | 1.2 | 190 | 47 | | |
| 30 | 2 | 3 | 28.5 | 61 | 4.6 | 152 | 19.3 | 14.9 | 0.6 | 4 | 4 | 198 | 19 | 0.19 | 2.4 | 0.9 | B | 107 | 5 | 4.5 | 199 | 27 | 1.0 | 7 | 63 | | |
| 30 | 2 | 20 | 2.8 | 61 | 33.2 | 151 | 13.8 | 5.2 | 1.1 | 11 | 8 | 104 | 28 | 0.69 | 0.6 | 1.1 | A | 81 | 5 | 0.8 | 161 | 10 | 1.1 | 323 | 75 | | |
| 30 | 2 | 28 | 0.7 | 62 | 10.6 | 151 | 8.9 | 80.2 | 2.9 | 22 | 9 | 168 | 30 | 0.41 | 1.7 | 1.3 | B | 81 | 18 | 1.1 | 337 | 23 | 3.3 | 203 | 58 | | |
| 30 | 6 | 34 | 47.7 | 62 | 9.8 | 149 | 32.7 | 15.8 | 2.5 | 7 | 191 | 47 | 0.56 | 1.1 | 2.8 | C | 189 | 4 | 1.9 | 280 | 17 | 0.9 | 86 | 73 | | | |
| 30 | 11 | 5 | 14.9 | 58 | 36.8 | 137 | 43.4 | 16.1 | 1.7 | 5 | 3 | 347 | 114 | 0.31 | 25.0 | 9.1 | D | 81 | 5 | 99.0 | 149 | 45 | 4.3 | 346 | 41 | | |
| 30 | 7 | 42 | 48.2 | 61 | 1.3 | 152 | 13.0 | 10.1 | 3 | 3 | 3 | 20 | 0.23 | 15.0 | 25.0 | D | 194 | 2 | 1.8 | 284 | 16 | 6.2 | 97 | 99.0 | | | |
| 30 | 8 | 30 | 11.8 | 60 | 25.0 | 141 | 27.2 | 17.6 | 0.7 | 5 | 4 | 112 | 17 | 0.27 | 2.6 | 3.8 | D | 139 | 7 | 1.7 | 81 | 32 | 1.0 | 240 | 46 | | |
| 30 | 9 | 42 | 10.3 | 61 | 26.0 | 140 | 12.0 | 0.2 | 1.6 | 8 | 4 | 255 | 80 | 0.42 | 2.4 | 18.9 | D | 349 | 0 | 4.5 | 81 | 1 | 3.5 | 259 | 88 | | |
| 30 | 10 | 27 | 30.5 | 60 | 26.3 | 141 | 24.5 | 11.3 | 0.8 | 6 | 3 | 116 | 21 | 0.27 | 3.3 | 7.3 | D | 20 | 15 | 0.9 | 115 | 18 | 1.6 | 253 | 66 | | |
| 30 | 11 | 5 | 14.9 | 58 | 36.8 | 137 | 43.4 | 16.1 | 1.7 | 5 | 3 | 347 | 114 | 0.31 | 25.0 | 9.1 | D | 81 | 5 | 99.0 | 149 | 45 | 4.3 | 346 | 41 | | |
| 31 | 0 | 4 | 24.2 | 61 | 34.0 | 150 | 43.1 | 54.7 | 2.5 | 23 | 16 | 114 | 12 | 0.53 | 0.5 | 0.8 | A | 82 | 4 | 0.6 | 174 | 18 | 0.9 | 340 | 71 | | |
| 31 | 8 | 19 | 52.0 | 61 | 42.3 | 142 | 25.8 | 0.2 | 1.8 | 12 | 3 | 220 | 75 | 0.59 | 2.4 | 5.4 | D | 293 | 0 | 1.1 | 23 | 9 | 4.3 | 203 | 81 | | |
| 31 | 11 | 18 | 54.0 | 61 | 40.0 | 142 | 26.9 | 4.0 | 0.9A | 4 | 2 | 238 | 70 | 0.19 | 4.7 | 25.0 | D | 105 | 1 | 1.3 | 15 | 4 | 5.4 | 209 | 86 | | |
| 31 | 13 | 19 | 38.8 | 60 | 8.9 | 139 | 44.4 | 20.3 | 0.9 | 6 | 3 | 191 | 23 | 0.46 | 2.5 | 1.5 | B | 120 | 15 | 1.1 | 218 | 26 | 5.1 | 3 | 59 | | |
| 31 | 17 | 46 | 3.7 | 59 | 58.6 | 140 | 42.8 | 0.5 | 0.7 | 5 | 3 | 232 | 27 | 0.37 | 1.2 | 1.9 | B | 277 | 4 | 0.7 | 187 | 5 | 2.2 | 46 | 84 | | |
| 31 | 23 | 29 | 8.8 | 61 | 48.3 | 148 | 60.0 | 13.6 | 1.0 | 17 | 13 | 105 | 4 | 0.61 | 0.4 | 0.4 | A | 147 | 7 | 0.8 | 261 | 40 | 0.5 | 50 | 44 | | |
| 31 | 23 | 46 | 26.7 | 61 | 13.2 | 141 | 40.9 | 8.2 | 1.2 | 6 | 3 | 223 | 34 | 0.37 | 2.1 | 2.7 | C | 301 | 11 | 0.9 | 38 | 33 | 2.5 | 195 | 55 | | |

Appendix B

References of Previously Published Catalogs

- Lahr, J. C., Page, R. A., and Thomas, J. A., 1984, Catalog of earthquakes in south central Alaska, April-June 1972, U.S. Geological Survey Open-File Report, 35 p.
- Fogleman, K. A., Stephens, Christopher, Lahr, J. C., Helton, S. M., and Allan, M. A., 1978, Catalog of earthquakes in southern Alaska, October-December 1977, U.S. Geological Survey Open-File Report 78-1097, 28 p.
- Stephens, C. D., Lahr, J. C., Fogleman, K. A., Allan, M. A., and Helton, S. M., 1979, Catalog of earthquakes in southern Alaska, January-March 1978, U.S. Geological Survey Open-File Report 79-718, 31 p.
- Stephens, C. D., Astrue, M. A., Pelton, J. R., Fogleman, K. A., Page, R. A., Lahr, J. C., Allan, M. A. and Helton, S. M., 1982, Catalog of earthquakes in southern Alaska, April-June 1978, U.S. Geological Survey Open-File Report 82-488, 36 p.
- Stephens, C. D., Lahr, J. C., Fogleman, K. A., Helton, S. M., Cancilla, R. S., Tam, Roy and Baldonado, K. A., 1980, Catalog of earthquakes in southern Alaska, October-December 1979, U.S. Geological Survey Open-File Report 80-2002, 53 p.
- Stephens, C. D., Fogleman, K. A., Lahr, J. C., Helton, S. M., Cancilla, R. S., Tam, Roy and Freiberg, J. A., 1980, Catalog of earthquakes in southern Alaska, January-March 1980, U.S. Geological Survey Open-File Report 80-1253, 55 p.
- Fogleman, K. A., Stephens, C. D., Lahr, J. C., Rogers, J. A., Helton, S. M., Cancilla, R. S., Tam, Roy, Freiberg, J. A., and Melnick, J. P., 1983, Catalog of earthquakes in southern Alaska, April-June 1980, U.S. Geological Survey Open-File Report 83-14, 54 p.
- Fogleman, K. A., Stephens, C. D., Lahr, J. C., Rogers, J. A., Cancilla, R. S., Tam, Roy, Helton, S. M., Freiberg, J. A., and Melnick, J. P., 1983, Catalog of earthquakes in southern Alaska, July-September 1980, U.S. Geological Survey Open-File Report 83-15, 54 p.