

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HISTORICAL CATALOG OF SOUTHERN
GREAT BASIN EARTHQUAKES 1868–1978

by

Mark E. Meremonte and Albert M. Rogers

Open-File Report 87-80

Prepared in cooperation with the
Nevada Operations Office
U.S. Department of Energy
(Interagency agreement DE-AI08-78ET44802)

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

Denver, Colorado
1987

CONTENTS

	Page
Introduction	1
Acknowledgments	2
Sources of data	2
Criteria used in the compilation	2
Hypocenter quality	4
Magnitudes	4
Plotting of data	5
Man-made activity	5
Significant earthquakes	7
Remarks	8
References cited	8
Appendix A: Hypocenter quality rating systems	30
Appendix B: List of the southern Great Basin earthquakes from 04 September 1868 to 29 July 1978	34
Format description of the SGB historical hypocenter summary	35
Appendix C: List of the announced nuclear tests at NTS 22 October 1951 to 31 July 1978	190
Format description of the announced nuclear tests	191

ILLUSTRATIONS

Figure 1. Map of the catalog area showing the southern Great Basin seismic net- work	18
2. Map of generalized seismic zones and tectonic features in the southern Great Basin	19
3. Plots of arc distance Z versus $ \Delta t $ showing the regions A, B, C, and D	20
4. Map of the southern Great Basin catalog area showing the overall his- torical seismicity from 04 September 1868 to 29 July 1978 (original data)	21
5. Map of the southern Great Basin catalog area showing the overall his- torical seismicity from 04 September 1868 to 29 July 1978 (random- ized data)	22
6. Map of the southern Great Basin catalog area showing the historical seismicity from 04 September 1868 through 1939 (randomized data)	23
7. Map of the southern Great Basin catalog area showing the historical seismicity from 1940 through 1949 (randomized data)	24
8. Map of the southern Great Basin catalog area showing the historical seismicity from 1950 through 1959 (randomized data)	25
9. Map of the southern Great Basin catalog area showing the historical seismicity from 1960 through 1969 (randomized data)	26
10. Map of the southern Great Basin catalog area showing the historical seismicity from 1970 to 29 July 1978 (randomized data)	27

11. Map of the southern Great Basin catalog area showing the historical seismicity from 1868 through 1956 before the beginning of extensive underground nuclear testing (randomized data)	28
12. Map of the southern Great Basin catalog area showing the historical seismicity from 1957 to 29 July 1978 after the beginning of extensive underground nuclear testing (randomized data)	29

TABLES

Table 1. List of data sources	11
2. Priority list for multiply reported hypocenters	15
3. Priority list for multiply reported magnitudes	17

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

A CATALOG OF SOUTHERN GREAT BASIN
EARTHQUAKES FOR THE PERIOD 1868–1978

by

Mark E. Meremonte and Albert M. Rogers

INTRODUCTION

This catalog is a collation of earthquake hypocenters, intensities, and magnitudes for the southern Great Basin (SGB) for the period 1868–1978 prior to the operation of the SGB network (fig. 1). The data from this catalog are drawn from many sources such as earlier non-instrumental reports for the oldest earthquakes in national catalogs, reports by university stations operated in California, Nevada, and Utah (generally several hundred kilometers distant), and data collected by local and regional networks that were operated temporarily in limited areas of the SGB.

The geographical boundaries of the catalog are 35.6°–38.5° N., 114.5°–118.0° W. This area encloses a circle of about 160 km radius centered on NTS. Sources outside this zone are unlikely to produce short-period ground motions of a level sufficient to cause damage to either the surface or the subsurface facilities. Long-period ground motions from more distant sources could produce damage to structures with matching structural periods, but this problem, if found to be pertinent to the waste storage facility, will require special study. The area of this catalog includes several Quaternary, Late Quaternary, and Holocene geologic structures such as the Fish Lake–Death Valley–Furnace Creek fault zones on the west, the East-West seismic zone, the “paleoseismic” zone to the east of Yucca Mountain (the proposed site of the repository), and other less prominent structures across the southern Great Basin (fig. 2). The catalog spans the time period from about the beginning of the historical era in this region to the beginning of the operation of the SGB seismograph network. During this 110 year time period, from 1868 to August 1978, over 7300 earthquakes have been noted. For each of these earthquakes we report the date, origin time, hypocenter, and one or more of the following magnitudes: M_S , M_L , M_D , m_b , and *other*. When available, we also include the maximum Modified Mercalli intensity, the hypocenter quality rating, and error estimates for the origin time and the hypocenter.

The catalog includes both natural and man-made earthquake activity. Man-made events include aftershocks and cavity collapses (which occur following most NTS nuclear tests), mining blasts and high-explosive experiments, and induced seismicity due to the impoundment of Lake Mead. An attempt has been made to identify each of these classes of events in the catalog, although the classification should be considered tentative, particularly in the case of nuclear event aftershocks. Research is in progress to determine which events are aftershocks of nuclear tests and how these events should be treated in a seismic hazard assessment.

This catalog is important in two respects. First, the data permit computation of the rate of earthquake occurrence for the region, although corrections for incompleteness are required. Second, the data indicate, in a general way, which geologic zones have been active in the past. Both of these results have a bearing on the computation of seismic hazard to the proposed nuclear waste repository at Yucca Mountain on the Nevada Test Site (NTS).

ACKNOWLEDGMENTS

We would like to thank Carl W. Stover, Glen Reagor, and James Taggart for their help throughout the course of this work and their useful suggestions on data sources, compilation, and report formating. We gratefully acknowledge the assistance of Bruce A. Bolt of the University of California at Berkeley, Kate Hutton of the California Institute of Technology, Ute Vetter of the University of Nevada at Reno, and Fred Fischer, who contributed some of the data in this report. We also thank Luke J. Vortman of Sandia National Laboratories and David M. Perkins and Arthur C. Tarr of the U. S. Geological Survey for their reviews which improved the text. The work was performed in cooperation with the U.S. Department of Energy, Nevada Nuclear Waste Storage Investigations Project under agreement DE-AI08-78ET44802.

SOURCES OF DATA

The SGB historical catalog was compiled from various earthquake catalogs and seismological bulletins that reported earthquakes from the SGB or its subregions. The data sources that we used are as follows:

- the Seismographic Station of the University of California at Berkeley (BRK);
- the Seismological Laboratories of the California Institute of Technology (PAS);
- the California Division of Mines and Geology;
- the National Oceanic and Atmospheric Administration (NOAA);
- the U.S. Geological Survey;
- the Seismological Laboratory of the University of Nevada, Reno;
- the International Seismological Centre (ISC);
- Teledyne Geotech-Alexandria Laboratories;
- and other seismological sources (table 1).

An alphabetical listing of all the source code abbreviations and their respective references are given in table 1. Seismicity recorded by the SGB seismograph network that has been operated by the U.S. Geological Survey since 1978 is published separately (Roger and others, 1981, 1983).

CRITERIA USED IN THE COMPILATION

A problem that occurs when merging catalogs from multiple data sources is that the merged catalog invariably contains multiple entries for the same earthquake, whose origin times, locations, and magnitudes are not exactly equal and may even exhibit significant discrepancies. Thus, one first needs to determine which events are duplicates, and then, to decide which one of the multiple earthquake locations and magnitudes is the most

accurate to retain in the merged catalog. Determination of those entries in the catalog that are duplicates can be a difficult problem, but once decided it is generally feasible to choose the preferred data source. We compiled the data according to a system of priorities for hypocentral location (table 2) and for magnitude (table 3). These priorities are somewhat subjective, but are based on the number, density, and distance of stations that are used to compute the earthquake parameters. For instance, an earthquake located by a local network would always be considered highest priority for listing. Regional stations or networks operating outside of the SGB region were considered to be of intermediate priority, and earthquake data based primarily on reports from national or world-wide stations were considered the lowest priority.

In addition to the system of priorities that were used to help make the final choices amongst duplicates, a procedure to delineate the duplicates had to be found. To do this, we tabulated the absolute difference between origin times ($|\Delta t|$) and the arc distance (Z) between locations for all suspected duplicate earthquakes in the catalog having values of $|\Delta t| \leq 100$ seconds and $Z \leq 3.0^\circ$, where Z is calculated as follows. Converting latitudes to geocentric colatitudes and using spherical trigonometry we have:

$$Z = \cos^{-1}(\sin \phi \sin \theta \cos c + \cos \phi \cos \theta)$$

where angles ϕ and θ are the geocentric colatitudes of the two earthquakes in radians; c is the longitudinal gap between two epicenters in degrees; and Z is the arc distance between the two events in degrees. Plotting Z versus $|\Delta t|$ (fig. 3), we see that $|\Delta t| - Z$ space can be subjectively divided into four principal regions (A, B, C, and D) where the data accumulate.

$$\begin{aligned} |\Delta t| &\leq 10.0 \text{ seconds; } Z \leq 0.5^\circ \text{ (region A)} \\ |\Delta t| &\leq 10.0 \text{ seconds; } 0.5^\circ \leq Z \leq 1.0^\circ \text{ (region B)} \\ |\Delta t| &\geq 10.0 \text{ seconds; } Z \leq 0.5^\circ \text{ (region C)} \\ &\text{outside of above ranges (region D).} \end{aligned}$$

During the initial merging of the sources, obvious duplicates were objectively delineated and, subsequently, eliminated from the merged data set according to the following rule:

$$|\Delta t| \leq 5.0 \text{ seconds; } \Delta lat \leq 0.2^\circ; \Delta long \leq 0.2^\circ$$

Thus, region A is void of the duplicates that satisfied the above initial parameters. Although this procedure eliminated many duplicate events, numerous earthquakes remained in the catalog that appeared to be potential duplicates.

Of the total number of possible duplicates, 92%, 1%, 6%, and 1% fall in regions A, B, C, and D, respectively. Duplicates satisfying the requirements in region A were eliminated systematically unless some peculiarity existed between the two earthquakes, such as very different magnitudes. Events satisfying the criteria in regions B, C, and D were examined individually for potential elimination. If a combination of factors strongly suggested that two entries were duplicates, then one of the entries was eliminated. The result of this process was to eliminate 4558 of 4564 events in A, 44 of 48 events in B, 111 of 277 in C,

and 36 of 54 in D. Note in figure 3 that events occurring whole minutes or whole seconds apart were prime duplicate candidates.

Some nuclear explosion aftershocks and (or) earthquakes occurring minutes to hours after nuclear explosions were unlocatable due to interference of waves from several earthquakes with overlapping time-history signatures. These events were retained in the catalogs of Hamilton and others (1971) and Rogers and others (1977) by date, approximate origin time, and duration magnitude. Of these events, those with $M_D \geq 3.0$ have been retained in this catalog in order to preserve some measure of the total energy release that has occurred in aftershock series in the nuclear testing aftershock zones. We have arbitrarily assigned these events epicentral coordinates equal to those of the nuclear event that occurred just prior to the earthquake.

HYPOCENTER QUALITY

A hypocenter quality rating is reported for events when it is available. In general, the quality ratings used in the past are not uniform—different sources use different schemes—and are retained in their original form here. Data sources that have reported a hypocentral quality are Hamilton and others (1971), Fischer and others (1972), Rogers and Lee (1976), Rogers and others (1977), Askew and Algermissen (1983), the Seismological Laboratory of the University of Nevada-Reno, the Seismological Laboratories of the California Institute of Technology, and the Seismographic Station of the University of California at Berkeley. See appendix A for a more detailed explanation of the quality rating systems used.

MAGNITUDES

Magnitudes are reported whenever possible and follow the priority list as outlined in table 3. The catalog retains as many as five different magnitudes: M_S , M_L , M_D , m_b , and *other*. Of these, M_L and M_D are reported most often. The M_L magnitude is Richter's local magnitude computed from a Wood-Anderson seismograph. These magnitudes were reported by the University of California at Berkeley, the California Institute of Technology, and the University of Nevada-Reno before 1973. From 1973 to present, the University of Nevada-Reno reported M_D magnitude. The M_D magnitude is an equivalent Richter magnitude computed from the duration of the coda and it has been given in seismicity reports by Smith and others (1971), Hamilton and others (1971), Papanek and Hamilton (1972), Fischer and others (1972), Rogers and Lee (1976), and Rogers and others (1977). M_S and m_b magnitudes were less frequently reported. The magnitude denoted as *other* is often unidentified by type in the original source. In some cases, however, such as for magnitudes reported by the source ALX (table 1), a type of m_{bLg} magnitude (R. G. Baker, 1970) is given. Source BRP always listed M_S , although in many cases this magnitude was computed from m_b , M_L or from the reported maximum intensity. These conversions were computed from the relationships:

$$M_S = 1.59m_b - 3.6 \text{ (Nuttli and Zollweg, 1974)}$$

$$M_S = 1.32M_L - 2.112 \text{ (Gutenberg and Richter, 1956)}$$

$$M_L = 1.00 + (2/3)I_0 \text{ (Gutenberg and Richter, 1956).}$$

Note that the intensity relationship will probably produce an underestimated magnitude for this region because it is so sparsely populated. If both BRK and PAS reported M_L magnitudes for the same event, then both magnitudes are included in this catalog unless some other M_L magnitude source took precedence.

PLOTTING OF DATA

Historically, earthquake locations reported in many of the national catalogs before about 1975 were computed to the nearest known degree or decimal degree because data acquisition and location accuracy were not believed to warrant reporting additional precision. Plots of such data have a gridded pattern and many events are overplotted at a single point. The resulting plots obscure the density of earthquake activity and any structure in the events that may be present. To solve the density problem, a small random component was added to the epicentral coordinates in figures 5–12. The maximum magnitude of this random component never exceeds $\pm 0.05^\circ$ and never is smaller than $\pm 0.005^\circ$. The size of the maximum random component depends on the number of decimal places reported for the original coordinate estimate. The more decimal places that were reported for the original coordinate estimate the smaller the added maximum random component. Compare figure 4, a plot of the original data, with figure 5, a plot of the randomized data, to observe the change in the seismicity patterns and density. For many events overplotted at a single point, the maximum limits of the randomizing component force the data to plot in a rectangle centered around that point with dimensions of 0.1° latitude by 0.1° longitude. This is clearly seen near Lake Mead (LM) in figures 5 and 7. Figures 6–10 display the randomized data over a series of sequential time intervals.

Even though the catalog lists five types of magnitudes, only the M_L and the M_D magnitudes were used in the plots. For events which have no M_L and (or) M_D reported, the epicentral symbol is scaled to a magnitude equal to zero. Many earlier hypocentral solutions were reported with fixed depth and, thus, we do not show any plots representing earthquake depths. We know from detailed local studies, however, that most earthquakes in this region occur in the upper half of the crust above 15 km. (Hamilton and others, 1971; Rogers and Lee, 1976; Rogers and others, 1981, 1983).

MAN-MADE ACTIVITY

This catalog includes both natural earthquakes and earthquakes that have been induced by the activities of man, including NTS nuclear testing and the impoundment of Lake Mead. At present no simple technique has been devised to differentiate between induced earthquakes and those that might be considered to be part of the natural background activity of this region. It may prove to be important, however, to identify such events if they have a notable effect on the computed seismic hazard of the region. For this reason we attempt to annotate earthquakes that are potentially induced. We have also specially annotated events that are known to be underground nuclear-test cavity collapses and high energy chemical explosions. It should be noted that the annotation of potentially induced earthquakes in this catalog is arbitrary to a degree and may include earthquakes that are part of the background seismicity or, conversely, may exclude earthquakes that

are induced. Future research, currently in progress, may provide a means of improving our discrimination between the two types of events.

Data on the origin times and dates of collapses and high energy explosions, which permitted annotation of these events, were provided by Sandia National Laboratories (Luke Vortman, written commun.) and NOAA (1982). Lake Mead seismicity was specially annotated if the earthquake occurred within an arbitrary boundary drawn parallel to (but 0.2° outside) the lake perimeter.

Annotation of nuclear event aftershocks is difficult because the time histories of these events are generally undifferentiable from regional earthquakes. Some of these events are undoubtedly related to processes in the immediate vicinity of the nuclear test cavity, but others that are located kilometers away from the test and (or) that occur for days or months (perhaps longer) after the test are more difficult to identify. Premonitory cracking and straining related to the collapse process frequently produces earthquake signatures that are relatively emergent, making these events more difficult to locate. This fact creates a natural discrimination process in the catalog; that is, cavity related events are frequently omitted from earlier catalogs because they can not be located.

Review of detailed studies of nuclear test aftershocks at Pahute Mesa may provide clues about how these events can be discriminated from natural background seismicity. Hamilton and others (1971) noted that 95% of the aftershocks of 4 nuclear explosions having magnitudes greater than about 5.8 occurred within 14 kilometers of ground zero and 94% occurred in the upper 5 kilometers of the crust. Rogers and others (1977) conducted similar studies for 8 nuclear tests having the same magnitude range and found that although the aftershocks in the latter testing series clustered more closely around ground zero, the depths of the aftershocks were significantly greater. Between 93 and 100% of the aftershocks occurred within 6 km of ground zero in each nuclear test studied. These earthquakes had computed hypocentral depths ranging between 4 and 15 km., which is somewhat greater diffusion in depth than was observed in the earlier study. Some of the increase in the observed hypocenter range, however, may be due to sparser station distribution in the latter study and resulting increased inaccuracy in the hypocenter depth determinations compared with the earlier study, but some of this increase in aftershock depths is likely to be real. In any case, based on the results of these studies, we have chosen to annotate earthquakes as potential nuclear test aftershocks if they occur within a boundary drawn 10 km outside of the boundaries of the individual testing areas at NTS; this boundary is depicted by the shaded region in figure 1. This choice should be considered arbitrary until the results of ongoing research improves our understanding of the temporal and spatial distribution of nuclear test aftershocks.

Underground nuclear testing at the NTS began with tunnel explosions in 1957. Although above ground testing occurred at NTS beginning in 1951, it is assumed that these events did not produce aftershocks because of their low yield and poor seismic coupling to the earth. For this reason, we compare maps of seismicity for this region showing pre- and post-1957 underground testing in figures 11 and 12. The region around NTS exhibits low level seismicity before underground testing, but earthquakes are distributed throughout the area. Many of these events are greater than magnitude 3, which is probably the minimum level of location and detection for the regional stations that existed at that

time. Note that all announced nuclear tests (above-ground and underground) have been removed from the figures and listed in Appendix C. These data were obtained from the following sources: Griggs and Press (1961), the U.S. Department of Commerce (1963a, b), Springer and Kinnaman (1971, 1975), Zander and Araskog (1973), NOAA (1982), the U.S. Department of Energy (1985), Lawrence Livermore Laboratory (LLL, written commun.), and ISC.

SIGNIFICANT EARTHQUAKES

A number of major earthquakes ($M \geq 6.5$) have occurred in the Great Basin that are outside of this study area. These events are significant, however, because they occur within the Great Basin or along the province boundaries. For this reason we list them in the table below, where M denotes Richter magnitude and MM denotes Modified Mercalli scale.

Date	Name or region	Location	M	Intensity (MM)
09 Jan 1857	Fort Tejon	¹ 35.0°N 119.0°W	² 8.25	² <i>IX</i>
26 Mar 1872	Owens Valley	¹ 36.5°N 118.0°W	³ 8.25	⁴ <i>XI</i>
21 Dec 1932	Cedar Mountain	⁴ 38.7°N 117.8°W	⁴ 7.3	⁴ <i>X</i>
21 Jul 1952	Kern County	⁵ 35.0°N 119.0°W	⁵ 7.7	⁵ <i>XI</i>
06 Jul 1954	Rainbow Mountain	⁴ 39.4°N 118.5°W	⁶ 6.8	⁶ <i>IX</i>
24 Aug 1954	Rainbow Mountain	⁴ 39.4°N 118.5°W	⁶ 6.8	⁶ <i>VIII</i>
16 Dec 1954	Fairview Peak	⁴ 39.3°N 118.2°W	⁴ 7.2	⁵ <i>X</i>
16 Dec 1954	Dixie Valley	⁷ 39.8°N 118.1°W	⁶ 6.9	¹ <i>X</i>

Data Sources:

- | | |
|---------------------------------|----------------------------------|
| (1) Coffman and von Hake (1973) | (5) Richter (1958) |
| (2) Agnew and Sieh (1978) | (6) Ryall and Priestley (1975) |
| (3) Oakeshott and others (1972) | (7) Romney (1957) |
| (4) Slemmons and others (1965) | (8) Askew and Algermissen (1983) |

Another significant earthquake and aftershock series, although outside this study area, occurred in the Clover Mountains near the Nevada-Utah border in 1966 (Boucher and others, 1967). This event is significant because it occurs within the East-West seismic zone with dextral strike-slip on a north trending fault (Smith and Lindh, 1978; Rogers and others, 1983; Wallace and others, 1983) and, thus, is similar in notable respects to much of the microseismicity that occurs in this region (Rogers and others, 1987). The main shock had several reported magnitudes $M_L = 5.7 - 6.1$ (BRK), $M_L = 6.0$ (PAS), and $m_b = 5.6$ (USCGS). At the peak of the aftershock series, more than 8,000 events were recorded per day (Boucher and others, 1967). Relocations of some events in the aftershock series have been conducted by Beck (1970) and Rogers and others (1983). In the latter study, a joint hypocenter relocation was conducted using a selected set of the aftershocks and the main shock. These relocations are included in this report.

Finally, a notable earthquake occurred in Death Valley in 1908. Several magnitudes have been estimated for this event ($M_S = 5.7$ (BRP), $M = 6.5$ (DMG)). This event is the closest earthquake, of significant size, to the proposed repository at Yucca Mountain.

REMARKS

Before data in this catalog can be used to calculate the probabilistic seismic hazard in the SGB, three significant factors must be taken into account: 1) correction of the catalog for incompleteness; 2) revision of magnitudes reported by California observatories; and 3) correction or removal of earthquakes induced by either nuclear explosions or the impoundment of Lake Mead. Corrections for incompleteness are required to accurately compute the rate of earthquake occurrence for the SGB region. In addition, earthquake occurrence rates for this region could be overestimated because some historical earthquake magnitudes (M_L) may have been estimated too high as pointed out by Rogers and others (1987). Occurrence rates might also be misinterpreted due to the effects of induced seismicity from nuclear tests and the impoundment of Lake Mead. These factors need to be resolved before a comprehensive seismic hazard analysis can be completed.

REFERENCES CITED

- Agnew, D. C., and Sieh, K. E., 1978, A documentary study of the felt effects of the great California earthquake of 1857: *Seismological Society of America Bulletin*, v. 68, no. 6, p. 1717-1729.
- Askew, Bonny, and Algermissen, S. T., 1983, An earthquake catalog for the Basin and Range Province, 1803-1977: U.S. Geological Survey Open-File Report 83-86, 42 p., 3 sheets.
- Baker, R. G., 1970, Determining magnitude from L_g : *Seismological Society of America Bulletin*, v. 60, no. 6, p. 1907-1919.
- Beck, P. J., 1970, The southern Nevada-Utah border earthquakes August to December, 1966: Salt Lake City, Utah, University of Utah Master's thesis, 62 p.
- Coffman, J. L., and von Hake, C. A., 1973, Earthquake history of the United States: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, NOAA EDS Pub. 41-1/COM 74 500 35, 208 p.
- Fischer, F. G., Papanek, P. J., and Hamilton, R. M., 1972, The Massachusetts Mountain earthquake of 5 August 1971 and its aftershocks, Nevada Test Site: U.S. Geological Survey Report USGS-474-149; available from U.S. Department of Commerce, National Technical Information Service, Springfield VA 22161, NTS-238, 20 p.
- Gutenberg, B., and Richter, C. F., 1956, Earthquake magnitude, intensity, energy, and acceleration: *Seismological Society of America Bulletin*, v. 46, no. 2, p. 131, 137.
- Griggs, D., and Press, F., 1961, Probing the Earth with nuclear explosions: *Journal of Geophysical Research*, v. 66, p. 237.
- Hamilton, R. M., Smith, B. E., Fischer, F. G., and Papanek, P. J., 1971, Seismicity of the Pahute Mesa area, Nevada Test Site, 8 December 1968 through 31 December 1971: U.S. Geological Survey Report USGS-474-138; available from U.S. Department of Commerce, National Technical Information Service, Springfield, VA 22161, 170 p.

- Howard, Nancy W., written commun., Lawrence Livermore Laboratory, Livermore, California.
- Lee, W. H. K., and Lahr, J. C., 1975, Hypo 71 (revised): a computer program for determining hypocenter, magnitude, and first motion pattern of local earthquakes: U.S. Geological Survey Open-File Report 75-311, 116 p.
- National Oceanic and Atmospheric Administration, 1982, The NOAA-NGDC earthquake data file, period of coverage, 09 October 1916 to 28 June 1979: Environmental Data Service, Boulder, Colorado.
- Nuttli, O. W., and Zollweg, J. E., 1974, The relation between felt area and magnitude for central United States earthquakes: *Seismological Society of America Bulletin*, v. 64, no. 1, p. 82.
- Oakeshott, G. B., Greesfelder, R. W., and Kahle, J. E., 1972, One hundred years later: *California Geology*, v. 25, no. 3, p. 55-61.
- Papanek, P. J., and Hamilton, R. M., 1972, A seismicity study along the northern Death Valley-Furnace Creek fault zone, California-Nevada boundary: U.S. Geological Survey Report USGS-474-141; available from U.S. Department of Commerce, National Technical Information Service, Springfield, VA 22161, 41 p.
- Richter, C. F., 1958, *Elementary geology*: San Francisco, California, W. H. Freeman and Company, 768 p.
- Rogers, A. M., Harmsen, S. C., and Carr, W. J., 1981, Southern Great Basin seismological data report for 1980 and preliminary data analysis: U.S. Geological Survey Open-File Report 81-1086, 148 p.
- Rogers, A. M., Harmsen, S. C., Carr, W. J., and Spence, W. J., 1983, Southern Great Basin seismological data report for 1981 and preliminary data analysis: U.S. Geological Survey Open-File Report 83-669, 148 p.
- Rogers, A. M., Harmsen, S. C., and Meremonte, M. E., 1987, Evaluation of the seismicity of the southern Great Basin and its relationship to the tectonics framework of the region: U.S. Geological Survey Open-File Report (in review).
- Rogers, A. M., Harmsen, S. C., Herrmann, R. B., and Meremonte, M. E., 1987, A study of ground motion attenuation in the southern Great Basin, Nevada-California, using several techniques for estimates of Q_s , $\log A_o$, and coda Q : *Journal of Geophysical Research*, v. 92, no. B5, p. 3527-3540.
- Rogers, A. M., and Lee, W. H. K., 1976, Seismic study of earthquakes in the Lake Mead, Nevada-Arizona region: *Seismological Society of America Bulletin*, v. 66, no. 5, p. 1657-1681.
- Rogers, A. M., Woulett, G. M., and Covington, P. A., 1977, Seismicity of the Pahute Mesa area, Nevada Test Site, 8 October 1975 to 30 June 1976: U.S. Geological Survey Report USGS-474-184; available from National Technical Information Service, Springfield, VA 22161, 63 p.

- Romney, C., 1957, Seismic waves from the Dixie Valley-Fairview Peak earthquakes: Seismological Society of America Bulletin, v. 47, p. 301–320.
- Ryall, A., and Priestly, K., 1975, Seismicity, secular strain, and maximum magnitude in the Excelsior Mountains area, western Nevada and eastern California: Geological Society of America Bulletin, v. 86, p. 1585–1592.
- Slemmons, D. B., Jones, A. E., and Gimlett, J. I., 1965, Catalog of Nevada earthquakes, 1852–1960: Seismological Society of America Bulletin, v. 55, no. 2, p. 519–565.
- Smith, B. E., Hamilton, R. M., and Jackson, W. H., 1971, Seismicity of the central Nevada test area, 26 September 1969 – 1 October 1970: U.S. Geological Survey Report USGS-474-109; available from U.S. Department of Commerce, National Technical Information Service, Springfield, Va 22161, 27 p.
- Smith, R. B., and Lindh, A. G., 1978, Fault plane solutions of the western United States: a compilation in Smith, R. B., and Eaton, G. P., eds., Cenozoic tectonics and regional geophysics of the western cordillera: Geological Society of America Memoir 152, p. 107–109.
- Springer, D. L., and Kinnaman, R. L., 1971, Seismic source summary for U.S. underground nuclear explosions, 1961–1970: Seismological Society of America Bulletin, v. 61, no. 4, p. 1073–1098.
- Springer, D. L., and Kinnaman, R. L., 1975, Seismic source summary for U.S. underground nuclear explosions, 1971–1973: Seismological Society of America Bulletin, v. 65, no. 2, p. 343–349.
- U.S. Department of Commerce, 1963, World-wide standard station seismic measurements, project 173-7, Little Feller I: U.S. Department of Commerce, Coast and Geodetic Survey, Washington 25, D.C., 4 p.
- U.S. Department of Commerce, 1963, World-wide standard station seismic measurements, project 173-7, Little Feller II: U.S. Department of Commerce, Coast and Geodetic Survey, Washington 25, D.C., 3 p.
- U.S. Department of Energy, 1985, Announced United States nuclear events; July 1945 through December 1984: U.S. Department of Energy, Nevada Operations Office, NVO-209 (rev. 5), 73 p.
- Vortman, L. J., written commun., Sandia National Laboratories, Albuquerque, New Mexico.
- Wallace, T. C., Helmberger, D. V., and Engen, G. R., 1983, Evidence of tectonic release from underground nuclear explosions in long-period P waves: Seismological Society of America Bulletin, v. 73, n. 2, p. 593–613.
- Zander, I., and Araskog, R., 1973, Nuclear explosions 1945–1972 basic data: FOA 4 Report, A4505-A1: The Research Institute of National Defense, Stockholm, Sweden, 55 p.

Table 1.—List of data sources

Code	Source
ALX	Racine, D., O'Donnell, A., Burnett, J., Klouda, P., Marshall, M., Tobin, E., Megyesi, I., and Wagner, R., 1979, A seismicity study of the southwest region of the United States, 01 December 1961 to 01 January 1964: U.S. Army Corps of Engineers, Teledyne Geotech, Alexandria Laboratories, 314 Montgomery Street, Alexandria, VA 22314, 33 p.
ANT	U.S. Department of Energy, 1985, Announced United States nuclear events; July 1945 through December 1984: U.S. Department of Energy, Nevada Operations Office, NVO-209 (rev. 5), 73 p.
BRK	University of California, Berkeley, California, Seismographic Station, B. A. Bolt, Director.
BRP	Askew, Bonny, and Algermissen, S. T., 1983, An earthquake catalog for the Basin and Range Province, 1803-1977: U.S. Geological Survey Open-File Report 83-86, 41 p., 3 sheets. Askew, Bonny, and Algermissen, S. T., 1983, written commun., U.S. Geological Survey, Golden, Colorado.
CGS	U.S. Department of Commerce, 1963, World-wide standard station seismic measurements, project 173-7, Little Feller I: U.S. Department of Commerce, Coast and Geodetic Survey, Washington 25, D.C., 4 p. U.S. Department of Commerce, 1963, World-wide standard station seismic measurements, project 173-7, Little Feller II: U.S. Department of Commerce, Coast and Geodetic Survey, Washington 25, D.C., 3 p.
CVH	Coffman, J. L., and von Hake, C. A., 1973, Earthquake history of the United States: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, NOAA EDS Pub. 41-1/COM 74 500 35, 208 p.
DMG	Real, C. R., Topozada, T. R., and Parke, D. L., 1978, Earthquake epicenter map of California, 1900 through 1978: California Division of Mines and Geology, Map sheet 49.
ERS	Hays, W. W., Algermissen, S. T., Espinosa, A. F., Perkins, D. M., and Rinehart, W. A., 1975, Catalog of U. S. earthquakes <i>in</i> Guidelines for developing design earthquake response spectra: Department of the Army, Construction Engineering Research Laboratory, Technical Report M-114, p. 155-314.
FPH	Fischer, F. G., Papanek, P. J., and Hamilton, R. M., 1972, The Massachusetts Mountain earthquake of 5 August 1971 and its aftershocks, Nevada Test Site: U.S. Geological Survey Report USGS-474-149; available from U.S. Department of Commerce, National Technical Information Service, Springfield VA 22161, NTS-238, 20 p.
GDY	Gawthrop, William., and Dewey, J. W., 1980, written commun., U.S. Geological Survey, Golden, Colorado.

Table 1.—List of data sources—Continued

Code	Source
GPS	Griggs, D., and Press, F., 1961, Probing the Earth with nuclear explosions: Journal of Geophysical Research, v. 66, p. 237.
HSF	Hamilton, R. M., Smith, B. E., Fischer, F. G., and Papanek, P. J., 1971, Seismicity of the Pahute Mesa area, Nevada Test Site, 8 December 1968 through 31 December 1970: U.S. Geological Survey Report USGS-474-138; available from U.S. Department of Commerce, National Technical Information Service, Springfield, VA 22161, 170 p.
ISC	International Seismological Centre, Kew, England, UK.
KKG	King, K. W., Bayer, K. C., and Brockman, S. R., 1971, Earthquakes on and around the Nevada Test Site, 1950–1971: U.S. Atomic Energy Commission Report CGS-746-12; available from U.S. Department of Commerce, National Technical Information Service, Springfield, VA 22161, 32 p.
	Bayer, K. C., Mallis, R. R., and King, K. W., 1972, Earthquakes recorded by a seismograph network located in the southern Nevada region, January 1 to December 22, 1971: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, NOAA Technical Memorandum ERL ESL-16, 43 p.
	Bayer, K. C., 1973a, Seismic data Report, southern Nevada region, December 22, 1971 – December 31, 1972: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, NOAA Technical Memorandum ERL ESL-24, 240 p.
	Bayer, K. C., 1973b, A preliminary seismicity study of the southern Nevada region, quarterly report, January – March 1973: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, NOAA Technical Memorandum ERL ESL-26, 153 p.
	Bayer, K. C., 1974, A preliminary seismicity study of the southern Nevada region, quarterly report, April – June 1973: U.S. Geological Survey, U.S. Atomic Energy Commission Report NVO-474-1; available from U.S. Department of Commerce, National Technical Information Service, Springfield, VA 22161, 115 p.
LLL	Howard, Nancy W., 1980, written commun., Lawrence Livermore Laboratory, Livermore, California.
PAS	California Institute of Technology, Pasadena, California, Seismological Laboratories, L. K. Hutton, Director.
PDX	National Oceanic and Atmospheric Administration, 1982, The NOAA-NGDC earthquake data file, period of coverage, 09 October 1916 to 28 June 1979: Environmental Data Service, Boulder, Colorado.

Table 1.—List of data sources—Continued

Code	Source
PHM	Papanek, P. J., and Hamilton, R. M., 1972, A seismicity study along the northern Death Valley-Furnace Creek fault zone, California-Nevada boundary: U.S. Geological Survey Report USGS-474-141; available from U.S. Department of Commerce, National Technical Information Service, Springfield, VA 22161, 41 p.
ROG	Rogers, A. M., Harmsen, S. C., Carr, W. J., and W. J. Spence, 1983, Southern Great Basin seismological data report for 1981 and preliminary analysis: U.S. Geological Survey Open-File Report 83-669, 240 p.
ROW	Rogers, A. M., Woulett, G. M., and Covington, P. A., 1977, Seismicity of the Pahute Mesa area, Nevada Test Site, 8 October 1975 to 30 June 1976: U.S. Geological Survey Report USGS-474-184; available from National Technical Information Service, Springfield, VA 22161, 63 p.
RWL	Rogers, A. M. and Lee, W. H. K., 1976, Seismic study of earthquakes in the Lake Mead, Nevada-Arizona region: Seismological Society of America Bulletin, v. 66, no. 55, p. 1657-1681.
RYC	Ryall, F. D., 1980, written commun., Seismological Laboratory, University of Nevada, Reno, Nevada.
RYN	University of Nevada, Seismological Laboratory, Reno: University of Nevada, June 1971, Bulletin of the Seismological Laboratory for the period October 1 to December 31, 1970: Reno, Nev., Mackay School of Mines - Nevada Bureau of Mines, 38 p. University of Nevada, January 1972, Bulletin of the Seismological Laboratory for the period January 1 to March 31, 1971: Reno, Nev., Mackay School of Mines - Nevada Bureau of Mines, 36 p. University of Nevada, May 1972, Bulletin of the Seismological Laboratory for the period April 1 to June 30, 1971: Reno, Nev., Mackay School of Mines - Nevada Bureau of Mines, 35 p. University of Nevada, April 1973, Bulletin of the Seismological Laboratory for the period July 1 to September 30, 1971: Reno, Nev., Mackay School of Mines - Nevada Bureau of Mines, 43 p. University of Nevada, June 1973, Bulletin of the Seismological Laboratory for the period October 1 to December 31, 1971: Reno, Nev., Mackay School of Mines - Nevada Bureau of Mines, 48 p. Ryall, F. D., ed., June 1976, Bulletin of the Seismological Laboratory for the period January 1 - June 30, 1972: Reno, Nev., Mackay School of Mines - Nevada Bureau of Mines, 83 p. Ryall, F. D., ed., June 1976, Bulletin of the Seismological Laboratory for the period July 1 - December 31, 1972: Reno, Nev., Mackay School of Mines - Nevada Bureau of Mines, 57 p.

Table 1.—List of data sources—Continued

Code	Source
	Ryall, F. D., ed., June 1976, Bulletin of the Seismological Laboratory for the period January 1 - June 30, 1973: Reno, Nev., Mackay School of Mines - Nevada Bureau of Mines, 65 p.
	Ryall, F. D., ed., June 1976, Bulletin of the Seismological Laboratory for the period July 1 - December 31, 1973: Reno, Nev., Mackay School of Mines - Nevada Bureau of Mines, 49 p.
	Smith, G. M., ed., June 1976, Bulletin of the Seismological Laboratory for the period January 1 - June 30, 1974: Reno, Nev., Mackay School of Mines - Nevada Bureau of Mines, 39 p.
	Smith, G. M., ed., June 1976, Bulletin of the Seismological Laboratory for the period July 1 - December 31, 1974: Reno, Nev., Mackay School of Mines - Nevada Bureau of Mines, 43 p.
	Smith, G. M., and Ryall, F. D., eds., November 1980, Bulletin of the Seismological Laboratory for the period January 1, 1975 to December 31, 1979: Reno, Nev., Mackay School of Mines, 84 p.
SPK	Springer, D. L., Kinnaman, R. L., 1971, Seismic source summary for U.S. underground nuclear explosions, 1961–1970: Seismological Society of America Bulletin, v. 61, no. 4, p. 1073–1098.
	Springer, D. L., Kinnaman, R. L., 1975, Seismic source summary for U.S. underground nuclear explosions, 1971–1973: Seismological Society of America Bulletin, v. 65, no. 2, p. 343–349.
SHJ	Smith, B. E., Hamilton, R. M., and Jackson, W. H., 1971, Seismicity of the central Nevada test area, 26 September 1969 – 1 October 1970: U.S. Geological Survey Report USGS-474-109; available from U.S. Department of Commerce, National Technical Information Service, Springfield, Va 22161, 27 p.
USE	Murphy, L. M. and Cloud, W. K., 1952, United States earthquakes [annual volume]: U.S. Department of Commerce, U.S. Coast and Geodetic Survey, serial no. 773, 112 p.
UTH	Arabasz, W. J., Smith, R. B., and Richins, W. D., eds., 1979, Earthquake studies in Utah, 1850–1978: University of Utah Seismograph Stations, Department of Geology and Geophysics, University of Utah, 552 p.
ZAK	Zander, I., and Araskog, R., 1973, Nuclear explosions 1945–1972 basic data, FOA 4 Report, A4505-A1: The Research Institute of National Defense, Stockholm, Sweden.

Table 2.—Priority list for multiply reported hypocenters

Code ¹	Type of source and extent of operation or listing
HSF	Local network which monitored the Pahute Mesa area from 08 December 1968 to 31 December 1970.
SHJ	Local network which monitored the Central Nevada Test Area from 26 September 1969 to 01 October 1970.
PHM	Local network which monitored the northern Death Valley–Furnace Creek fault zone along the California/Nevada border from 01 March 1970 to 26 January 1971.
FPH	An in-depth study of the Massachusetts's Mountain earthquake of 05 August 1971 and its aftershocks (local network operated by the U.S. Geological Survey).
ROW	Local network which monitored the Pahute Mesa area from 08 October 1975 to 30 June 1976.
KKG	Local network which operated from 01 January 1971 to 30 June 1973. Before 01 January 1971, seismic data reported from other seismological catalogs (for epicenters located north of 38° N., RYN's location was given higher priority than KKG's).
RWL	Local network which monitored Lake Mead seismicity in the Boulder Basin area from 06 July 1972 to 05 December 1973. Included in the seismicity report, was a catalog of Lake Mead historical seismicity.
ROG	Catalog of selected relocated joint hypocenter events for the Clover Mountains earthquake sequence in 1966.
RYN	Regional network operating northwest of the SGB network from 01 January 1970 to present (RYN's location was given a higher priority than BRK's or PAS's after 1974).
GDY	Catalog of selected relocated joint hypocenter events from 1931 to 1974.
BRK	Regional stations operating in California from the early 1900's to present (hypocenters were given higher priority than RYN's from 01 January 1970 to the beginning of 1975: during this period, BRK included phase data from RYN network and RYN did not determine a focal depth).
PAS	Regional stations operating in southern California from the early 1900's to present (hypocenters were given higher priority than RYN's from 01 January 1970 to the beginning of 1975: during this period, PAS included phase data from RYN network and RYN did not determine a focal depth).
UTH	Regional stations operating in Utah since 1974.
BRP	Historical catalog collecting data from other sources for the period ranging from 1803 to 1977.

Table 2.—Priority list for multiply reported hypocenters—Continued

Code ¹	Type of source and extent of operation or listing
DMG	California earthquake epicenter map and catalog from 1900–1974 of $M \geq 4.0$ (where M denotes Richter magnitude) or Modified Mercalli (MM) intensity ≥ 5 .
RYC	Historical catalog collecting data reported from other seismological catalogs, bulletins, and newspapers covering a period from 1852 to 1963 (this catalog is an updated version of a historical catalog published by Slemmons and others, 1965).
PDX	Termed the “NOAA Catalog,” it is a listing of other seismological catalogs from the early 1900’s to present.
USE	Annual publication of felt earthquakes in the United States and nearby territories since 1928.
CVH	Publication of prominent historical U.S. earthquakes from the 1600’s up through 1970 with MM intensities greater than or equal to V.
ERS	Catalog of historical U.S. earthquakes with magnitudes equal to or exceeding MM intensity IV up through 1970.
ALX	Regional network which operated across the Western United States from 01 December 1961 to 01 January 1964.
ISC	International catalog publishing seismological data from the early 1900’s to present.

¹For code source reference see table 1.

Table 3.—Priority list for multiply reported magnitudes

Code ⁺	Type of source and primary magnitude recorded
HSF	Local network reporting duration magnitude (M_D)*.
SHJ	Local network reporting duration magnitude (M_D)*.
PHM	Local network reporting duration magnitude (M_D)*.
FPH	Local network reporting duration magnitude (M_D)*.
ROW	Local network reporting duration magnitude (M_D)*.
KKG	Local network reporting local magnitude (M_L Wood-Anderson) and (or) body-wave magnitude (m_b).
RWL	Local network in the Boulder Basin area which reported duration magnitude (M_D)*.
RYN	Regional network reporting local magnitude (M_L Wood-Anderson) until 1973. After that period, duration magnitude (M_D)* was reported.
UTH	Regional network reporting local magnitude (M_L Wood-Anderson).
BRK	Regional network reporting local magnitude (M_L Wood-Anderson).
PAS	Regional network reporting local magnitude (M_L Wood-Anderson).
PDX	Catalog listing various magnitudes including local magnitude (M_L Wood-Anderson), body-wave magnitude (m_b), and (or) surface wave magnitude (M_S).
BRP	Historical catalog which listed published magnitudes and, in some instances, computed other magnitudes (see section entitled magnitudes in text).
DMG	Historical catalog which listed Richter magnitude (M). Listed in the column marked "OTH".
ALX	Regional network which reported a type of m_{blg} magnitude. Listed in the column marked "OTH".
RYC	Historical catalog which listed magnitudes of unknown type. Listed in the column marked "OTH".
GDY	Catalog of selected relocated joint hypocenter events which listed magnitudes of unknown type. Listed in the column marked "OTH".
ISC	International catalog reporting local magnitude (M_L Wood-Anderson), body-wave magnitude (m_b), and (or) surface wave magnitude (M_S).
ERS	Historical catalog of U.S. earthquakes which listed various magnitudes but did not specify the type used in the earthquake listings. Listed in the column marked "OTH".

⁺For code source reference see table 1.

* M_D is an equivalent M_L magnitude.

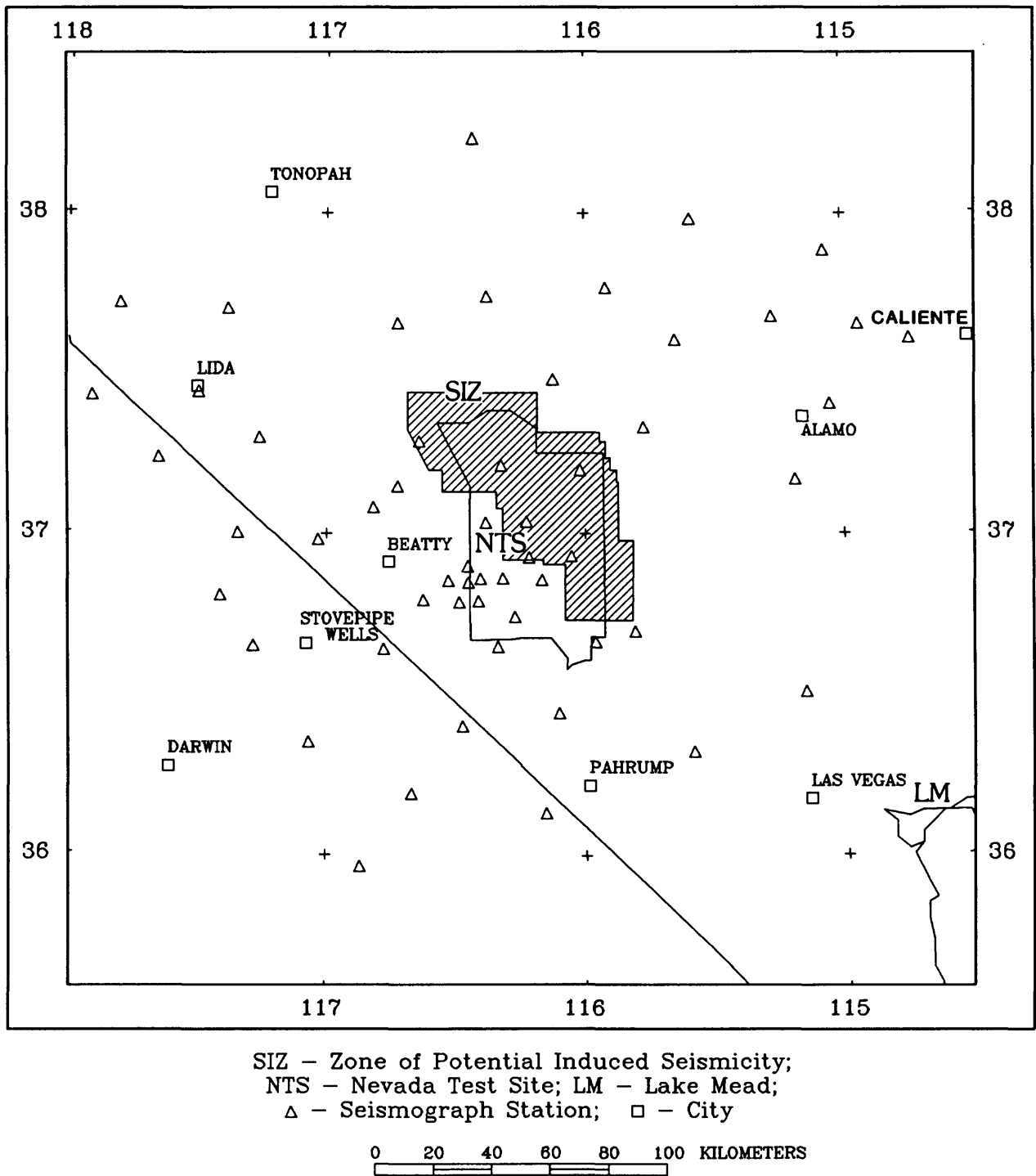
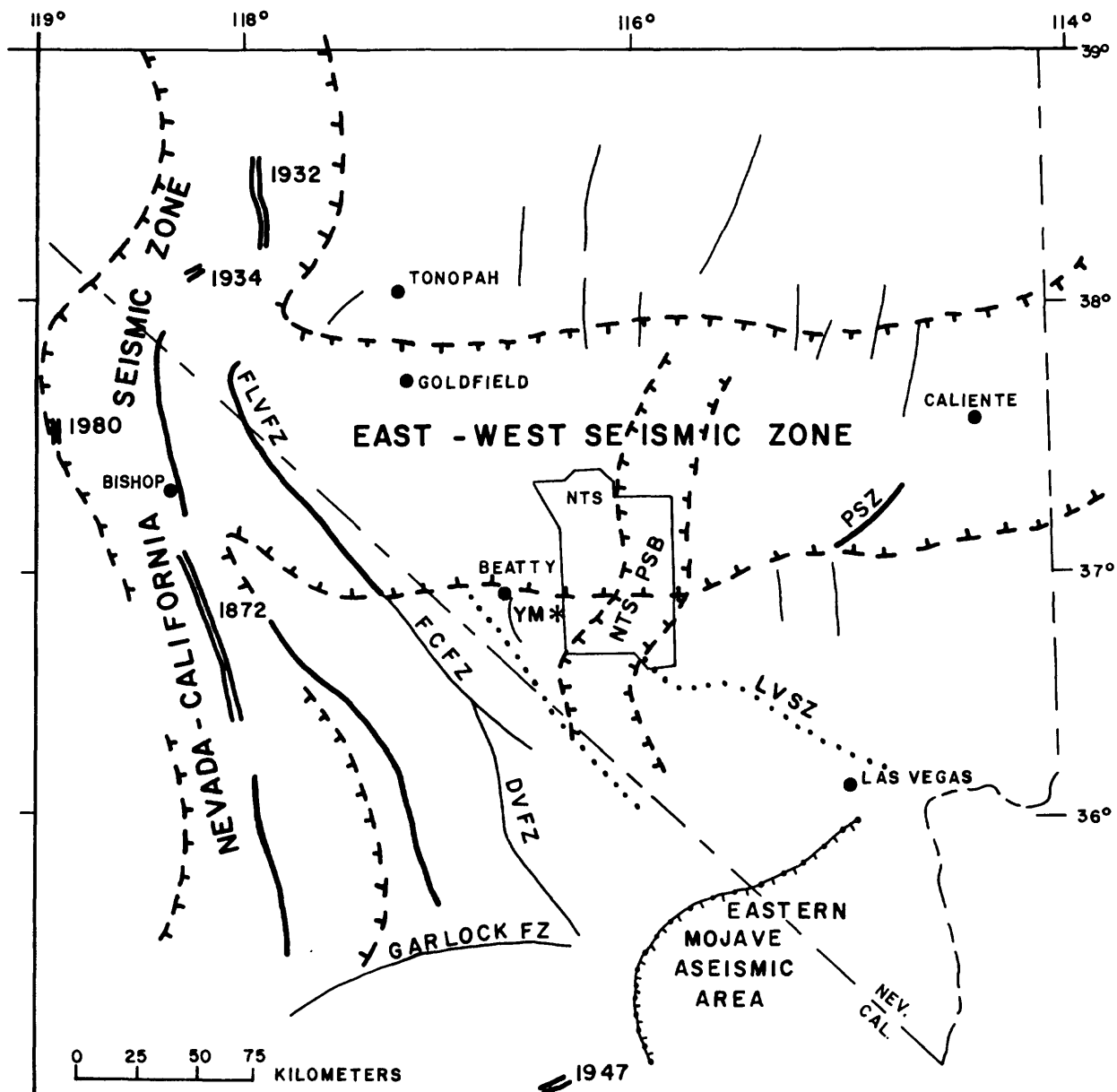


Figure 1.-Map of the catalog area showing the southern Great Basin seismic network.



EXPLANATION	
1872	
	Historic rupture, year
	Seismically active with Quaternary faults
	Seismically inactive with Quaternary faults
	Seismically inactive without Quaternary faults
	Eastern Mojave aseismic area
* YM	Yucca Mountain
NTS	Nevada Test Site
FLVZ	Fish Lake Valley fault zone
FCFZ	Furnace Creek fault zone
DVFZ	Death Valley fault zone
LVSZ	Las Vegas Valley Shear zone
PSZ	Pahranaagat Shear zone
NTSPSB	Nevada Test Site Paleoseismic Belt

Figure 2.—Map of generalized seismic zones and tectonic features in the southern Great Basin.

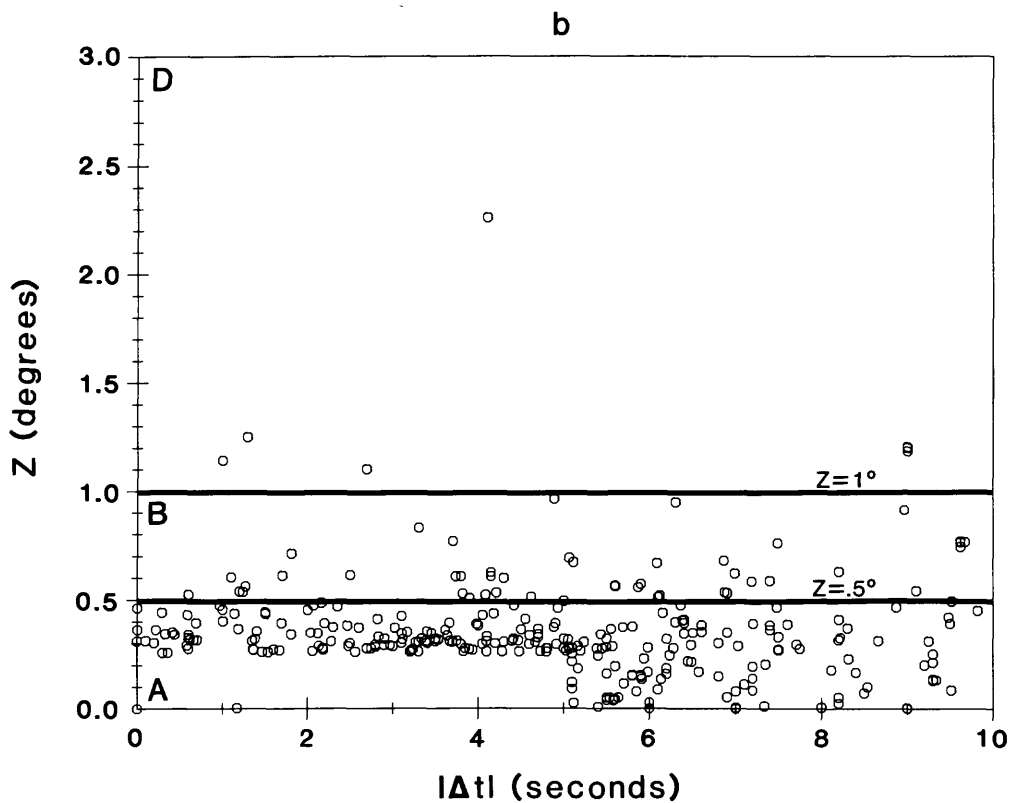
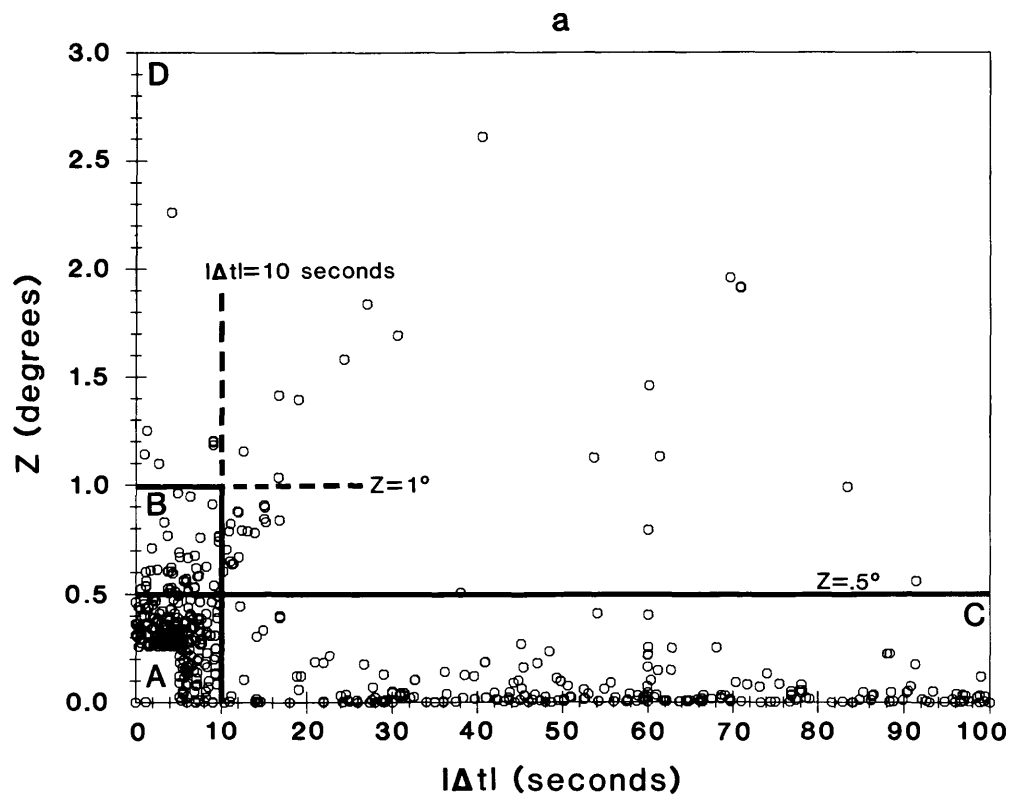
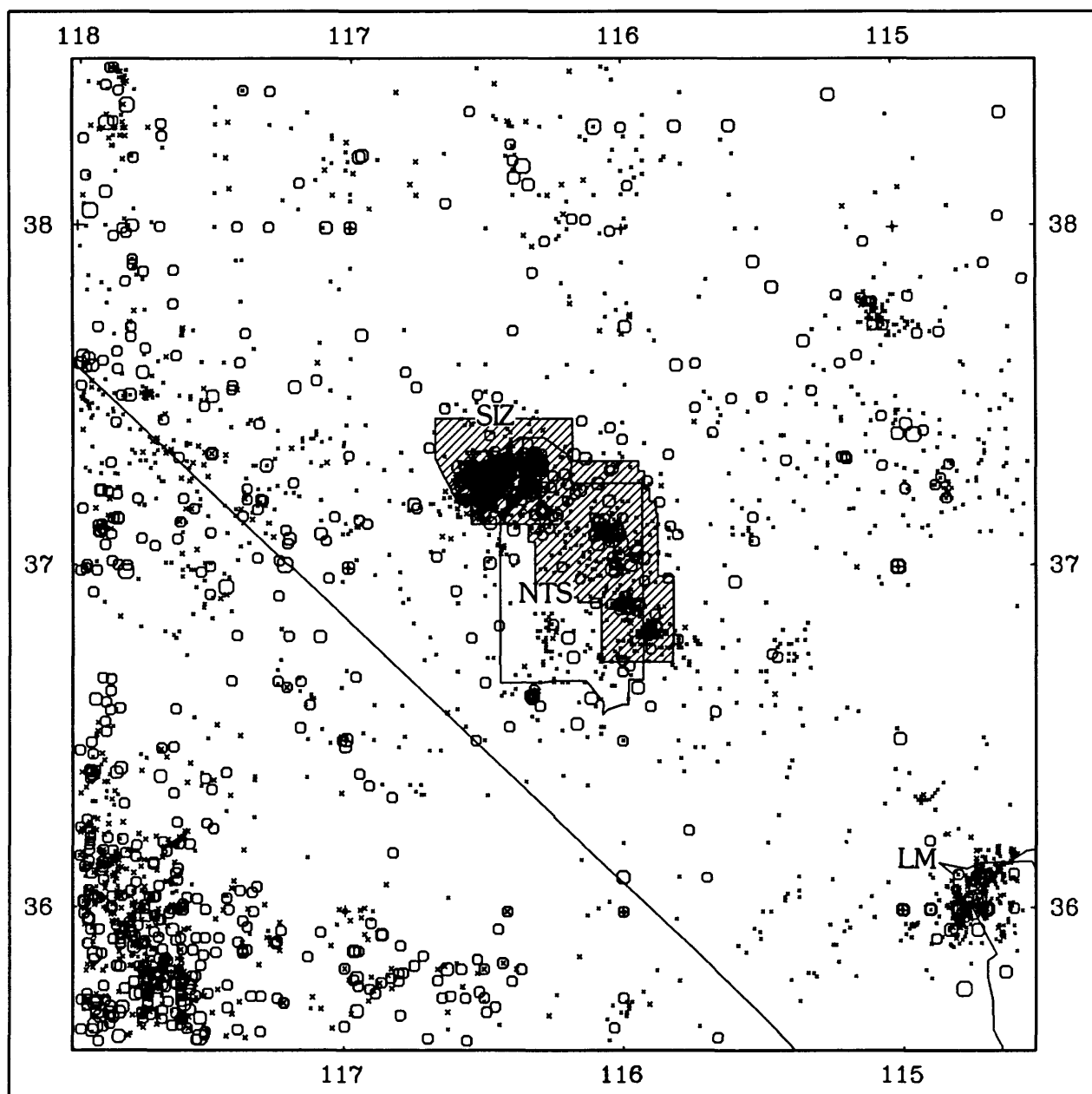


Figure 3.-a: Plot of distance Z versus $|\Delta t|$ showing the regions A, B, C, and D. b: Plot showing regions A, B, and D for $|\Delta t| \leq 10.0$ seconds. Note: Region A is void of the duplicates that satisfied the initial parameters during the merging process.



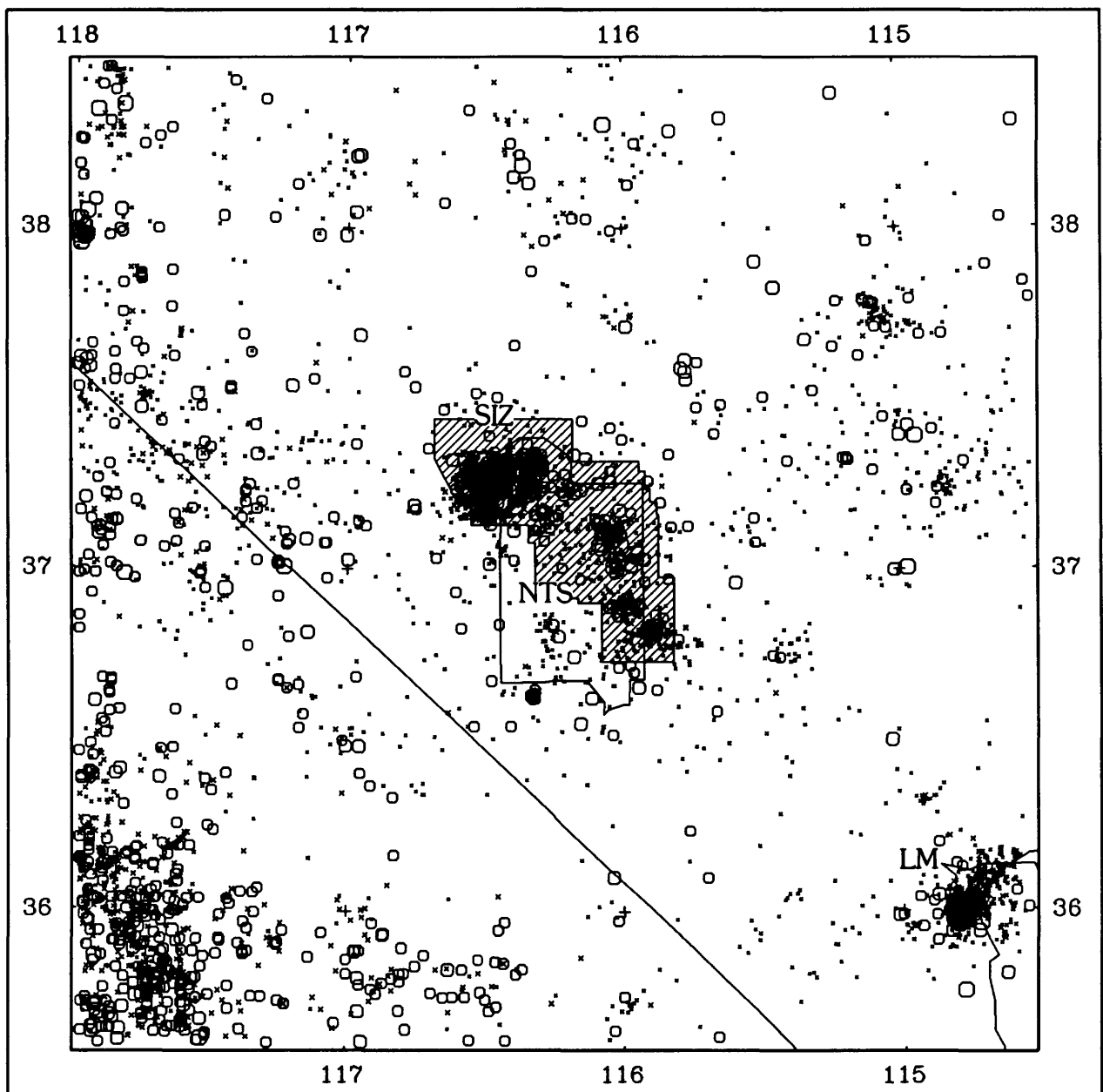
SIZ - Zone of Potential Induced Seismicity;
 NTS - Nevada Test Site; LM - Lake Mead

SYMBOLS

.	0.00 <= MAGNITUDE <	2.00
*	2.00 <= MAGNITUDE <	3.00
o	3.00 <= MAGNITUDE <	4.00
o	4.00 <= MAGNITUDE <	5.00
o	5.00 <= MAGNITUDE <	8.00

0 20 40 60 80 100 KILOMETERS

Figure 4.-Map of the southern Great Basin catalog area showing the overall historical seismicity from 04 September 1868 to 29 July 1978 (original data).



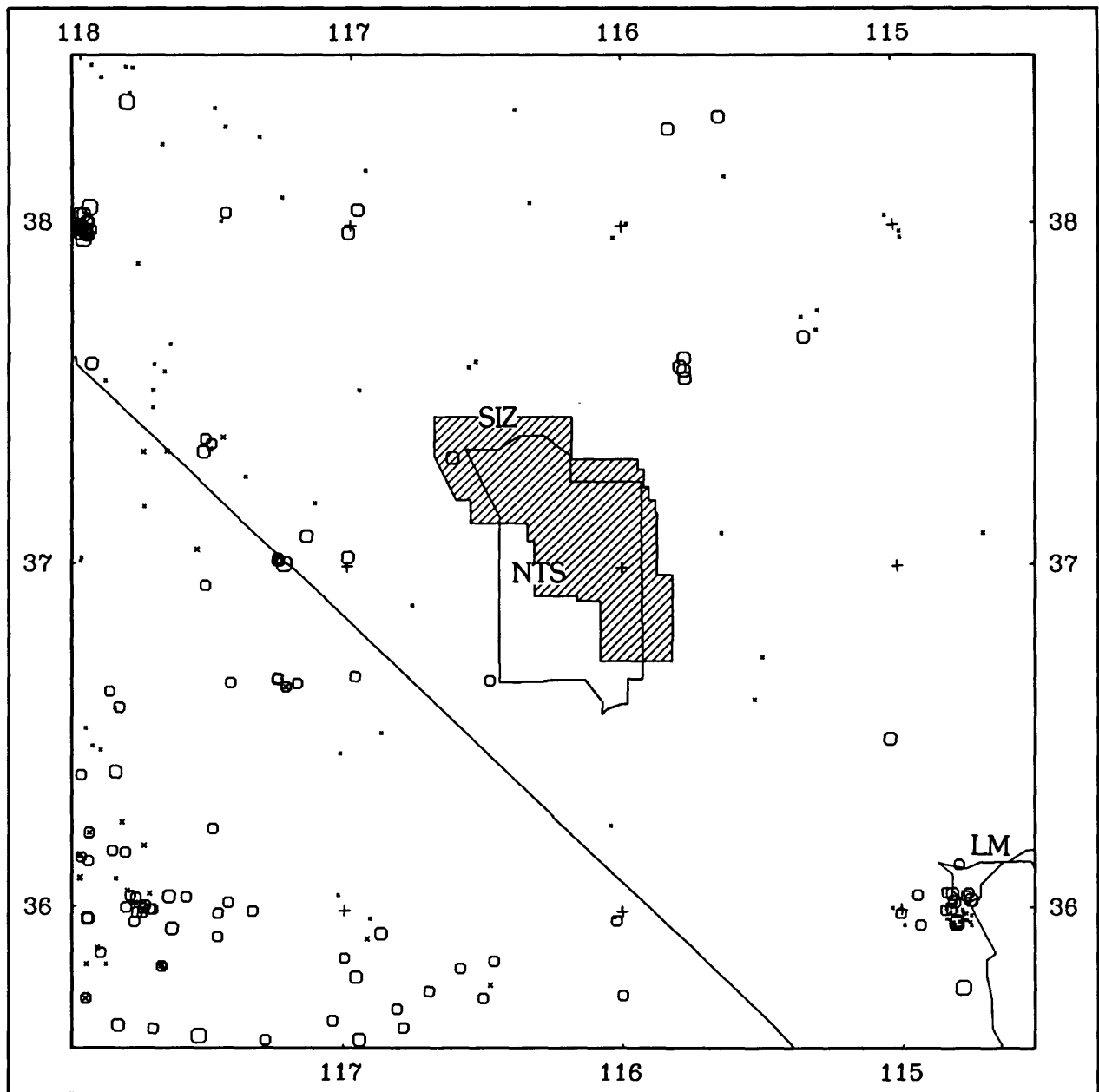
SIZ - Zone of Potential Induced Seismicity;
 NTS - Nevada Test Site; LM - Lake Mead

SYMBOLS

.	0.00 <= MAGNITUDE < 2.00
*	2.00 <= MAGNITUDE < 3.00
o	3.00 <= MAGNITUDE < 4.00
○	4.00 <= MAGNITUDE < 5.00
◻	5.00 <= MAGNITUDE < 8.00

0 20 40 60 80 100 KILOMETERS

Figure 5.-Map of the southern Great Basin catalog area showing the overall historical seismicity from 04 September 1868 to 29 July 1978 (randomized data).



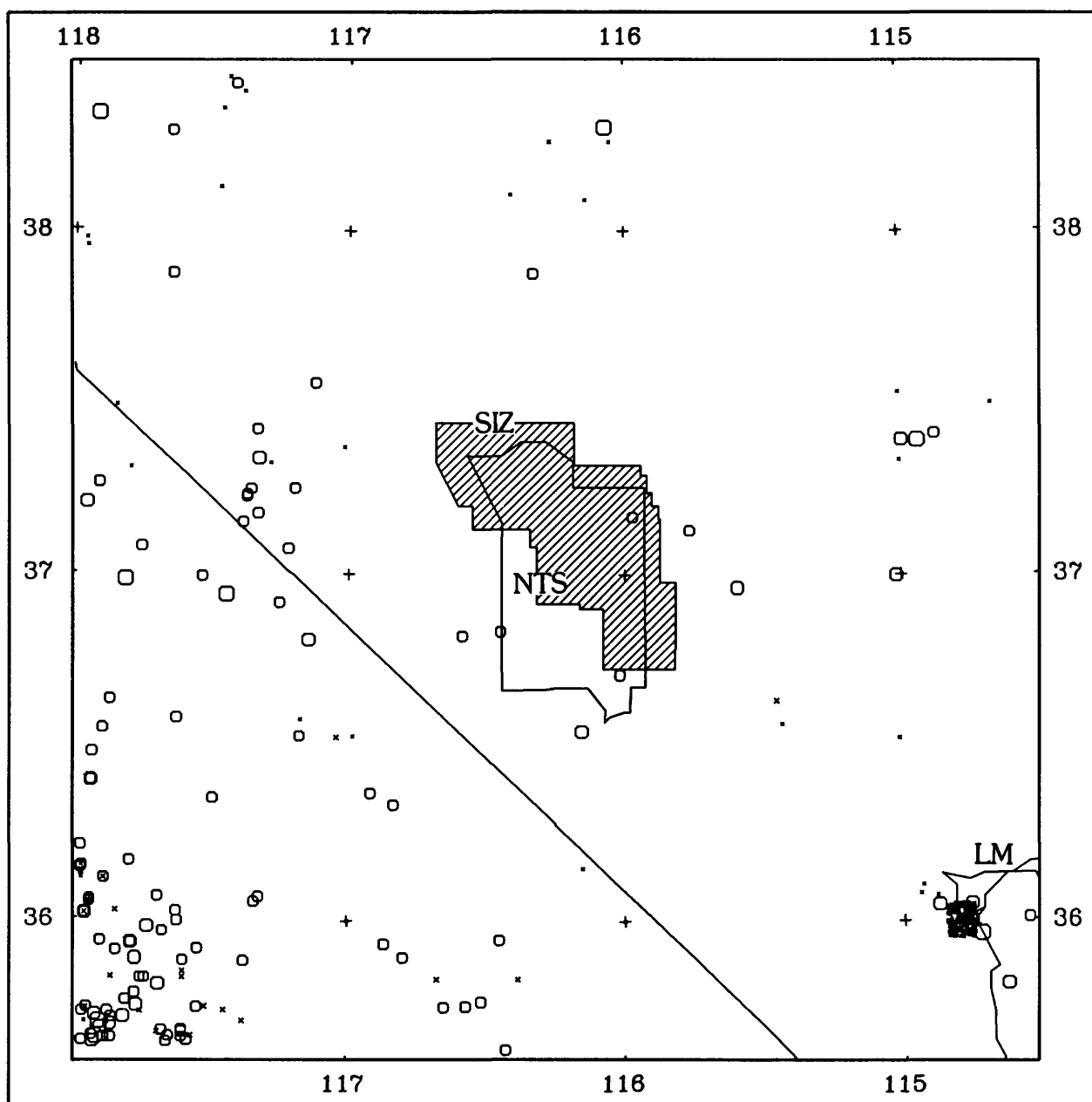
SIZ - Zone of Potential Induced Seismicity;
 NTS - Nevada Test Site; LM - Lake Mead

SYMBOLS

.	0.00 <= MAGNITUDE <	2.00
*	2.00 <= MAGNITUDE <	3.00
o	3.00 <= MAGNITUDE <	4.00
o	4.00 <= MAGNITUDE <	5.00
o	5.00 <= MAGNITUDE <	8.00

0 20 40 60 80 100 KILOMETERS

Figure 6.-Map of the southern Great Basin catalog area showing the historical seismicity from 04 September 1868 through 1939 (randomized data).



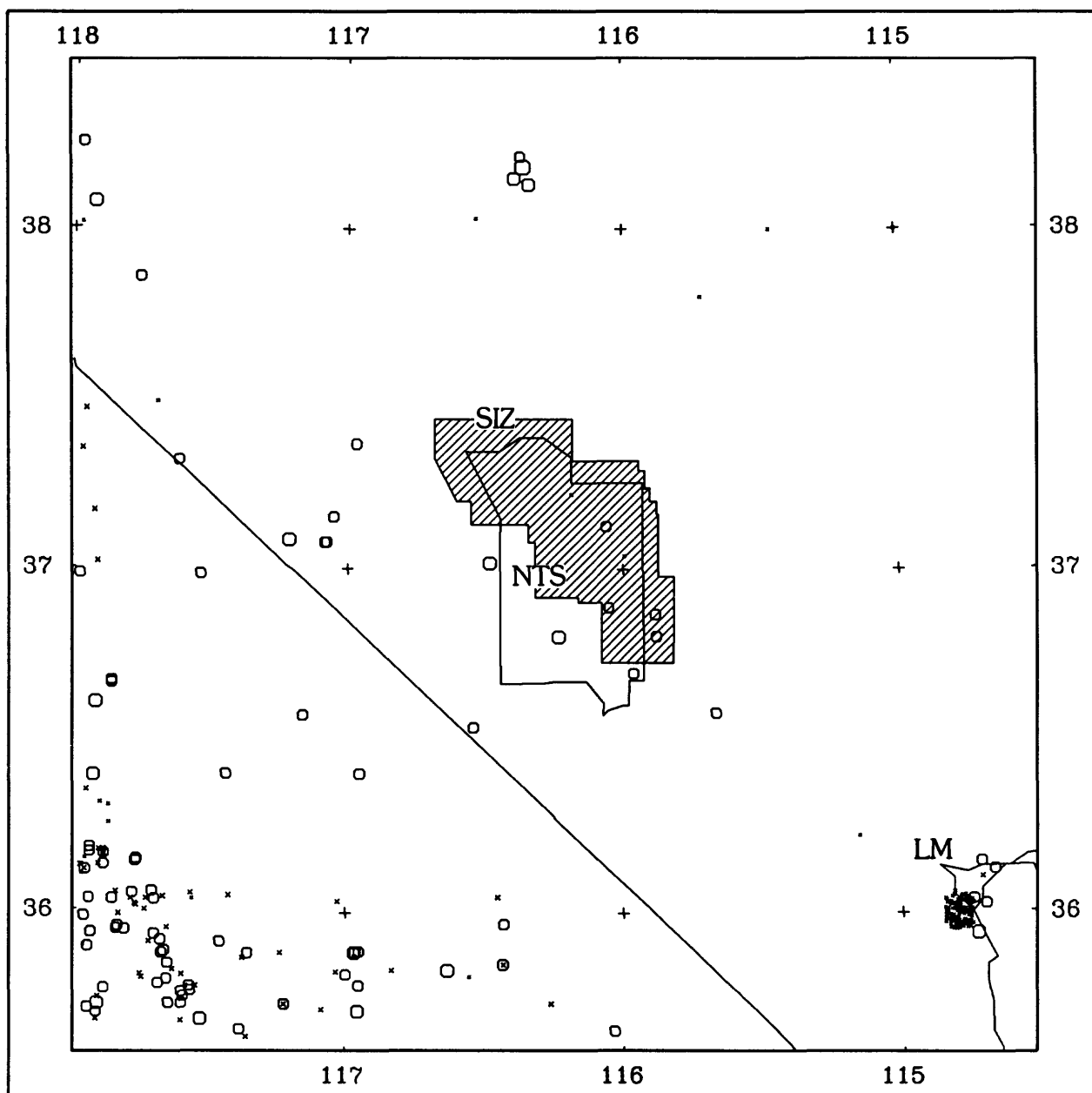
SIZ - Zone of Potential Induced Seismicity;
 NTS - Nevada Test Site; LM - Lake Mead

SYMBOLS

.	0.00 <= MAGNITUDE < 2.00
*	2.00 <= MAGNITUDE < 3.00
o	3.00 <= MAGNITUDE < 4.00
o	4.00 <= MAGNITUDE < 5.00
o	5.00 <= MAGNITUDE < 8.00

0 20 40 60 80 100 KILOMETERS

Figure 7.-Map of the southern Great Basin catalog area showing the historical seismicity from 1940 through 1949 (randomized data).



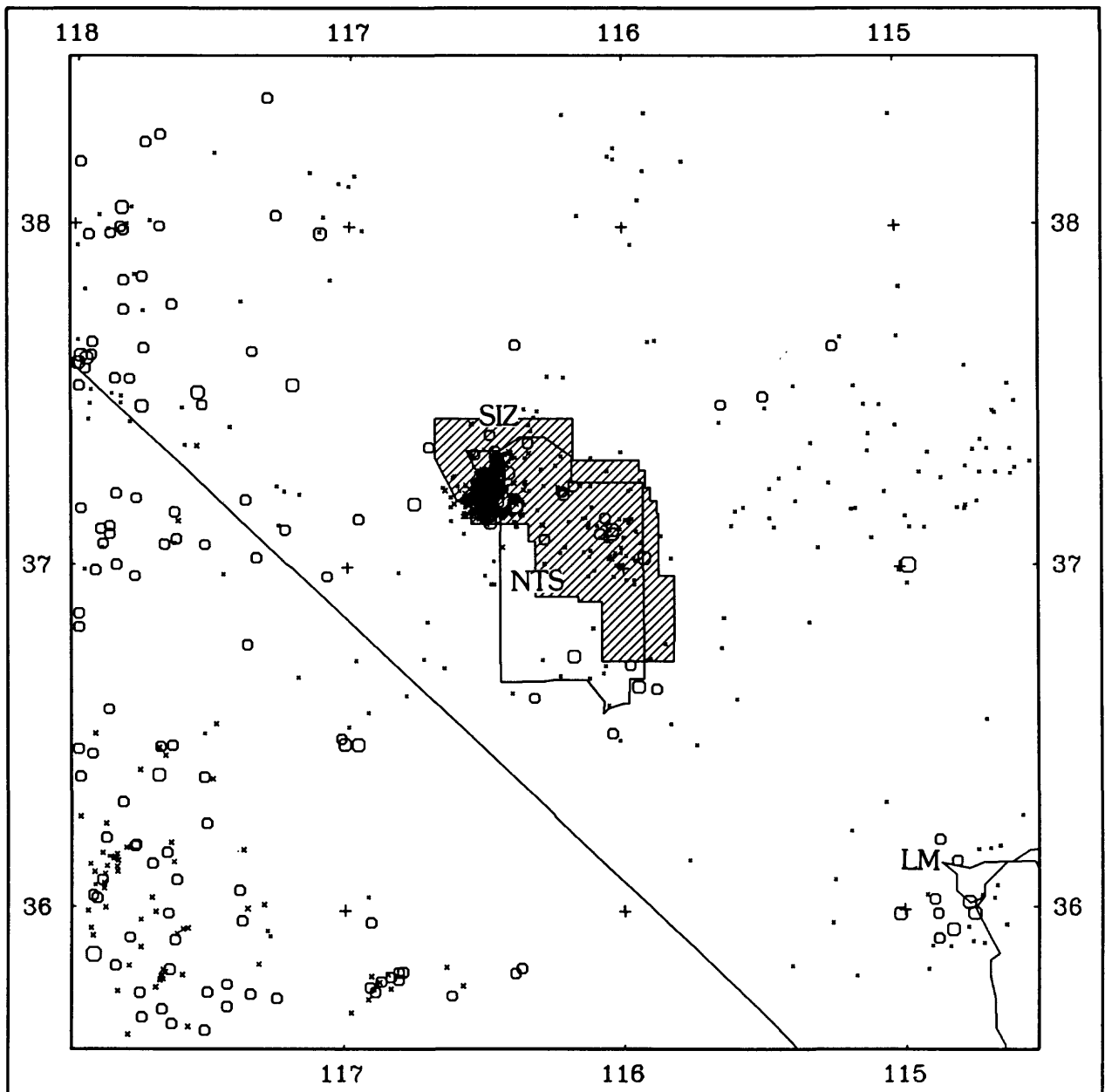
SIZ - Zone of Potential Induced Seismicity;
 NTS - Nevada Test Site; LM - Lake Mead

SYMBOLS

.	0.00	<=	MAGNITUDE	<	2.00
*	2.00	<=	MAGNITUDE	<	3.00
o	3.00	<=	MAGNITUDE	<	4.00
o	4.00	<=	MAGNITUDE	<	5.00
o	5.00	<=	MAGNITUDE	<	8.00

0 20 40 60 80 100 KILOMETERS

Figure 8.-Map of the southern Great Basin catalog area showing the historical seismicity from 1950 through 1959 (randomized data).



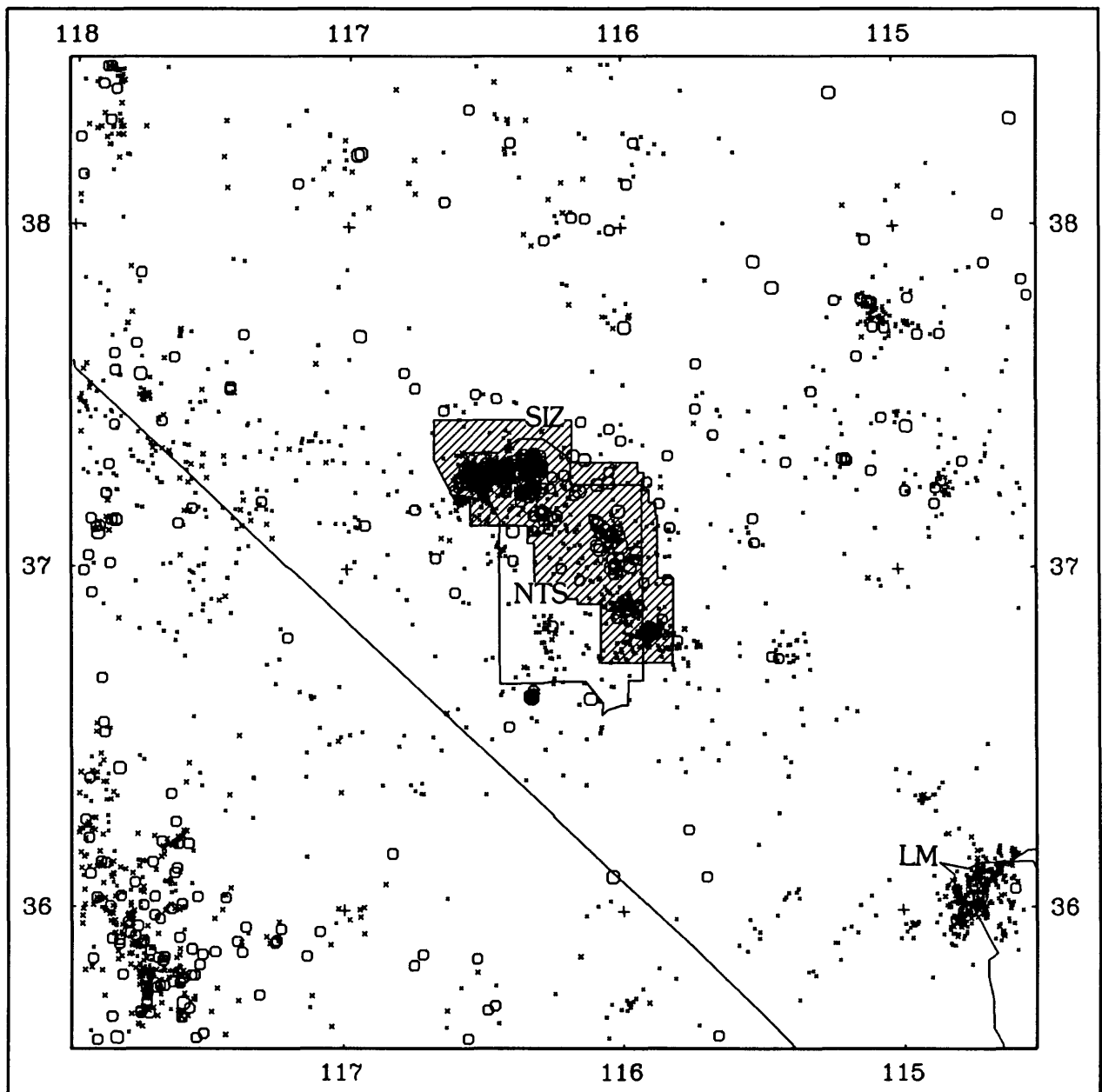
SIZ - Zone of Potential Induced Seismicity;
 NTS - Nevada Test Site; LM - Lake Mead

SYMBOLS

.	0.00 <= MAGNITUDE < 2.00
*	2.00 <= MAGNITUDE < 3.00
o	3.00 <= MAGNITUDE < 4.00
○	4.00 <= MAGNITUDE < 5.00
○	5.00 <= MAGNITUDE < 8.00

0 20 40 60 80 100 KILOMETERS

Figure 9.-Map of the southern Great Basin catalog area showing the historical seismicity from 1960 through 1969 (randomized data).



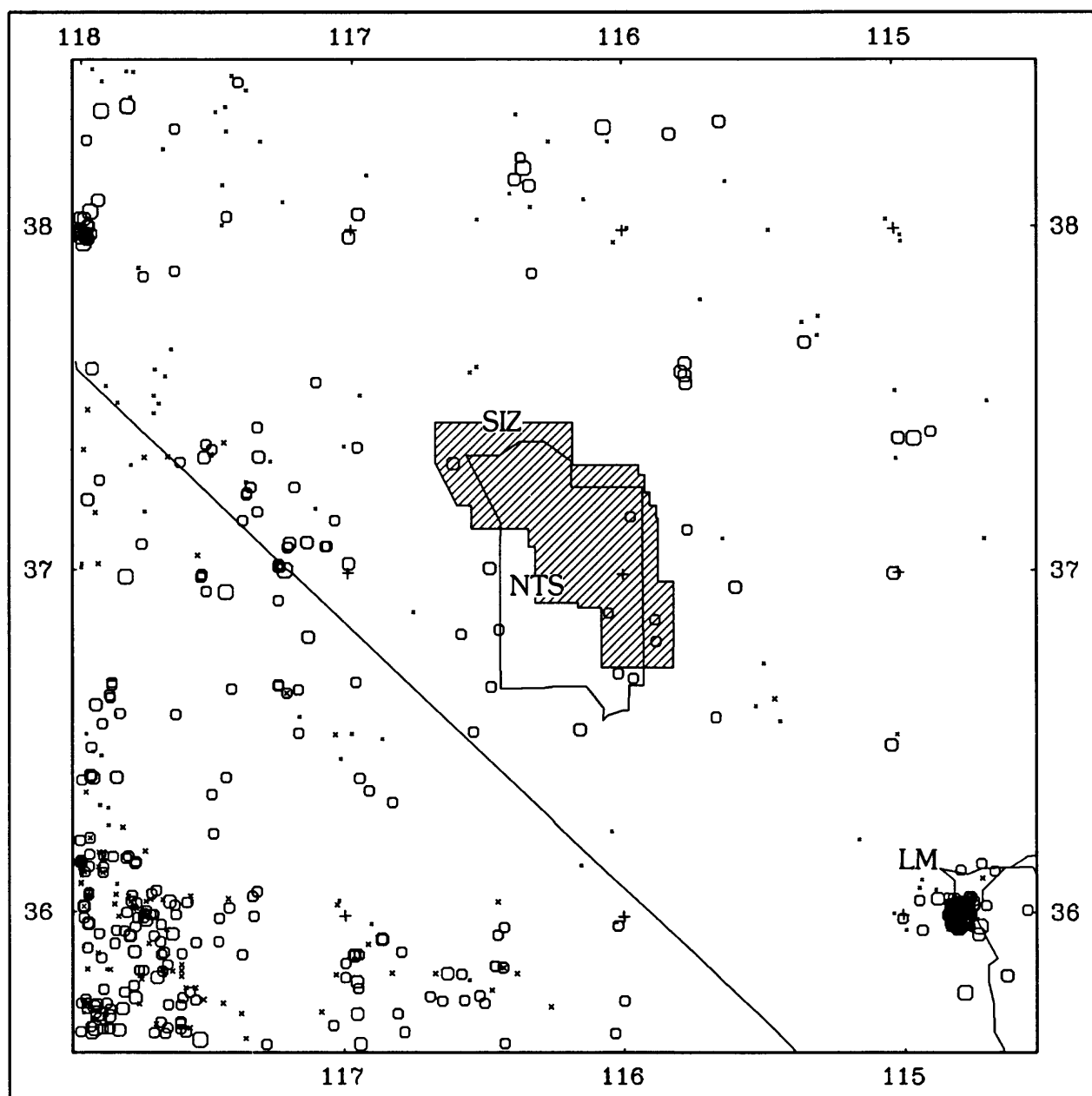
SIZ - Zone of Potential Induced Seismicity;
 NTS - Nevada Test Site; LM - Lake Mead

SYMBOLS

.	0.00 <= MAGNITUDE < 2.00
x	2.00 <= MAGNITUDE < 3.00
o	3.00 <= MAGNITUDE < 4.00
o	4.00 <= MAGNITUDE < 5.00
o	5.00 <= MAGNITUDE < 8.00

0 20 40 60 80 100 KILOMETERS

Figure 10.-Map of the southern Great Basin catalog area showing the historical seismicity from 1970 to 29 July 1978 (randomized data).



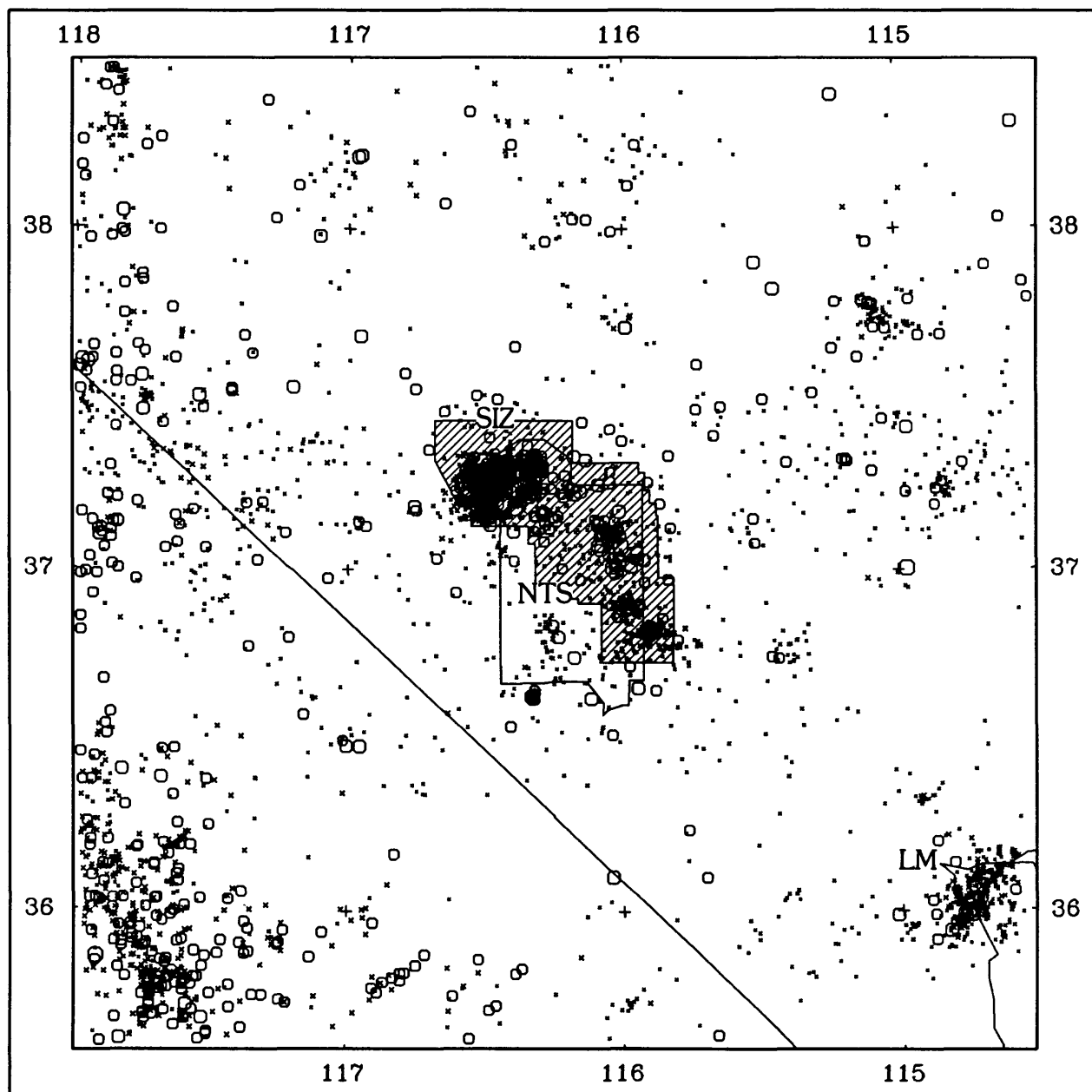
SIZ - Zone of Potential Induced Seismicity;
 NTS - Nevada Test Site; LM - Lake Mead

SYMBOLS

.	0.00 <= MAGNITUDE <	2.00
x	2.00 <= MAGNITUDE <	3.00
o	3.00 <= MAGNITUDE <	4.00
○	4.00 <= MAGNITUDE <	5.00
◻	5.00 <= MAGNITUDE <	8.00

0 20 40 60 80 100 KILOMETERS

Figure 11.-Map of the southern Great Basin catalog area showing the historical seismicity from 1868 through 1956 before the beginning of extensive underground nuclear testing (randomized data).



SIZ - Zone of Potential Induced Seismicity;
 NTS - Nevada Test Site; LM - Lake Mead

SYMBOLS

.	0.00	<=	MAGNITUDE	<	2.00
*	2.00	<=	MAGNITUDE	<	3.00
o	3.00	<=	MAGNITUDE	<	4.00
○	4.00	<=	MAGNITUDE	<	5.00
◻	5.00	<=	MAGNITUDE	<	8.00

0 20 40 60 80 100 KILOMETERS

Figure 12.-Map of the southern Great Basin catalog area showing the historical seismicity from 1957 to 29 July 1978 after the beginning of extensive underground nuclear testing (randomized data).

APPENDIX A

Hypocenter quality rating systems

This appendix explains the different quality rating systems used by the data sources that report one. The original forms are presented here.

- Hamilton and others (1971):

<u>Q</u>	<u>Epicenter</u>	<u>Focal Depth</u>
A	Excellent	Good
B	Good	Fair
C	Fair	Poor
D	Poor	Poor.

Q is taken as the average of the station distribution (QD) with respect to the earthquake and the statistical measures (QS) of the solution. These two factors are independently rated according to the following:

Station Distribution

<u>QD</u>	<u>NO</u>	<u>GAP</u>	<u>DMIN</u>
A	≥ 8	$\leq 120^\circ$	$\leq \text{Depth or } 5 \text{ km}$
B	≥ 6	$\leq 150^\circ$	$\leq 2 \times \text{depth or } 10 \text{ km}$
C	$\left(\begin{array}{l} \geq 6 \\ \geq 4 \end{array} \right)$	$\left(\begin{array}{l} \leq 225^\circ \\ \leq 180^\circ \end{array} \right)$	$\leq 50 \text{ km}$
D	Others.		

Statistical Measures

<u>QS</u>	<u>ERH (km)</u>	<u>ERZ (km)</u>	<u>MD (sec)</u>	<u>RMAX (sec)</u>
A	≤ 1.0	≤ 2.0	≤ 0.10	≤ 0.25
B	≤ 2.5	≤ 5.0	≤ 0.20	≤ 0.50
C	≤ 5.0		≤ 0.30	≤ 0.75
D	Others.			

NO - the number of stations used in locating the earthquake.

GAP - largest azimuthal separation in degrees between stations.

DMIN - epicentral distance in kilometers to the nearest station.

ERH - standard error of the epicenter in kilometers.

ERZ - standard error of the depth in kilometers.

MD - mean deviation of the time residuals in seconds.

RMAX - the maximum time residuals in seconds.

- Fischer and others (1972), Rogers and Lee (1976), and Rogers and others (1977):

<u>Q</u>	<u>Epicenter</u>	<u>Focal Depth</u>
A	Excellent	Good
B	Good	Fair
C	Fair	Poor
D	Poor	Poor.

These quality ratings are based on the rating system given in Lee and Lahr (1975). Q is taken as the average of the station distribution (QD) with respect to the earthquake and the statistical measures (QS) of the solution. These two factors are independently rated according to the following:

Station Distribution

<u>QD</u>	<u>NO</u>	<u>GAP</u>	<u>DMIN</u>
A	≥ 6	$\leq 90^\circ$	$\leq \text{Depth or } 5 \text{ km}$
B	≥ 6	$\leq 135^\circ$	$\leq 2 \times \text{depth or } 10 \text{ km}$
C	≥ 6	$\leq 180^\circ$	$\leq 50 \text{ km}$
D	Others		

Statistical Measures

<u>QS</u>	<u>RMS (sec)</u>	<u>ERH (km)</u>	<u>ERZ (km)</u>
A	≤ 0.15	≤ 1.0	≤ 2.0
B	≤ 0.30	≤ 2.5	≤ 5.0
C	≤ 0.50	≤ 5.0	
D	Others.		

NO - the number of stations used in locating the earthquake.

GAP - largest azimuthal separation in degrees between stations.

DMIN - epicentral distance in kilometers to the nearest station.

ERH - standard error of the epicenter in kilometers.

ERZ - standard error of the depth in kilometers.

RMS - root mean square of time residuals in seconds.

- Askew and Algermissen (1983):

- A Instrumental epicenter estimated to be good within 0.1° .
- B Instrumental epicenter estimated to be good within 0.1° to 0.2° .
- C Instrumental epicenter estimated to be good within 0.2° to 0.5° .
- D Instrumental epicenter estimated to be good within 0.5° to 1.0° .
- E Instrumental epicenter estimated to be in error by more than 1.0° .
- F Epicenter from felt data estimated to be good to 0.5° .
- G Epicenter from felt data estimated to be good from 0.5° to 1.0° .
- H Epicenter from felt data estimated to be good from 1.0° to 2.0° .
- I Epicenter from felt data estimated to be in error by more than 2.0° .
- X Epicenter quality undetermined.

- The Seismological Laboratory of the University of Nevada-Reno uses the quality rating system of Lee and Lahr (1975). However, the station distribution (QD) and the statistical measures (QS) differ slightly.

- The Seismological Laboratories of the California Institute of Technology and the Seismographic Station of the University of California at Berkeley describe Q as follows:

- A Specially investigated (usually with portable seismographs).
- B Epicenter probably within 5 kilometers, origin time to nearest second.
- C Epicenter probably within 15 kilometers, origin time to a few seconds.
- D Epicenter not known within 15 kilometers, rough location.

Q varies depending on how the earthquake was recorded and where it was located.

APPENDIX B

**List of the southern Great Basin earthquakes
04 September 1868 to 29 July 1978**

Format description of the SGB historical hypocenter summary

Heading	Columns	Description
DATE	01-04 (year) 06-08 (month) 10-11 (day)	The year, month, and day of the earthquake in Coordinated Universal Time (UTC).
TIME	14-15 (hour) 17-18 (minutes) 20-24 (seconds)	The UTC origin time of the earthquake. In some cases, particularly for older earthquakes, the origin time may only be known to the nearest hour or minute.
FLAG	27-29	Annotations: CLMT Event associated with Clover Mountains series. LM Lake Mead induced seismic event. SIZ Event located in a zone of potentially induced seismic activity due to nuclear testing. CSNL Cavity collapse reported by SNL. CPDX Cavity collapse reported by PDX. HE High energy explosion or blast.
RMS	32-36	The root mean square of travel time residuals in seconds. A dash indicates the error estimate is unknown.
NO	38-40	The number of stations and (or) phase readings. A dash indicates the number is unknown.
LATITUDE	43-48	Latitude of the epicenter in degrees. The latitude is listed to thousands of a degree, but not necessarily accurate to that decimal place, particularly for older earthquakes.
LONGITUDE	51-58	West longitude coordinate of the epicenter in degrees. The longitude is listed to thousands of a degree, but not necessarily accurate to that decimal place, particularly for older earthquakes.
ERH	60-63	The standard error of the epicenter in kilometers. A dash indicates the error estimate is unknown.
Q	65	The solution quality of the epicenter. A blank indicates the quality is not available. See appendix A for the quality rating systems used.

Format description of the SGB historical hypocenter summary—Continued

Heading	Columns	Description
GAP	67–69	The largest azimuthal separation between stations in degrees. A dash indicates the azimuth is unknown.
DEPTH	71–77	The focal depth of the hypocenter in kilometers. The * notation indicates focal depth was fixed at the value given and a focal depth without the * notation indicates the focal depth was computed. A dash indicates the focal depth was undetermined or is unknown.
ERZ	79–83	The standard error in focal depth in kilometers. A dash indicates the error estimate is unknown.
REF	85–87	Code (table 1) identifying the primary source of the hypocenter solution including the date and the origin time. The * notation indicates the location of this event was attributed the location of the previous nuclear test.
I	91–92	The Modified Mercalli intensity. A dash indicates no data or not felt.
REF	95–97	Code indentifying the reference for the intensity listed (see table 1 for source code).
Magnitudes: (see table 1 for source codes)		
M_S	100–102	Surface wave magnitude.
REF	104–106	Source code for the M_S magnitude.
M_L	109–111	Local magnitude (Wood-Anderson).
REF	113–115	Source code for the M_L magnitude.
M_D	118–120	Duration magnitude (M_L equivalent).
REF	122–124	Source code for the M_D magnitude.
m_b	127–129	Body wave magnitude.
REF	131–133	Source code for the m_b magnitude.
OTH	136–138	Other magnitudes or magnitudes of an unidentified type.
REF	140–142	Source code for other magnitudes.

SGB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER							INTENSITY			MAGNITUDE												
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1868 SEP 4		16	0	0.00				37.000	118.000		I				BRP	8	BRP	6.3	BRP								
1871 MAR 6		0	0	0.00				36.300	118.000		H				BRP	2	BRP	2.3	BRP								
1871 JUL 5		3	30	0.00				37.000	118.000		H				BRP	6	BRP	5.0	BRP								
1871 DEC 12		5	0	0.00				37.000	118.000		I				BRP												
1871 DEC 12		8	0	0.00				37.000	118.000		I				BRP												
1872 MAR 17		9	0	0.00				36.500	118.000		H				BRP	5	BRP	4.3	BRP								
1872 APR 13		0	0	0.00				36.000	118.000		I				BRP	6	BRP	5.0	BRP								
1872 APR 18		12	0	0.00				36.000	118.000		I				BRP												
1872 APR 19		0	0	0.00				38.500	116.400		H				RYC												
1872 SEP 14		0	0	0.00				36.500	118.000		H				BRP												
1882 AUG 13		8	0	0.00				36.500	117.000		H				BRP	5	BRP	4.3	BRP								
1885 APR 19		8	0	0.00				36.500	117.900		H				BRP	4	BRP	3.7	BRP							4.9	RYC
1886 APR 14		3	20	0.00				37.200	117.700		H				BRP	6	BRP	5.0	BRP								
1887 OCT 4		11	45	0.00				36.500	117.900		H				BRP												
1892 AUG 31		5	0	0.00				38.300	116.400		H				RYC	3	RYC										
1894 FEB 6		5	1	0.00				36.500	117.900		H				BRP												
1904 OCT 27		0	0	0.00				37.600	116.500		H				BRP												
1905 JUN 11		0	0	0.00				36.700	115.500		H				BRP												
1908 NOV 4		8	37	0.00				36.000	117.000		H				BRP	7	BRP	5.7	BRP								6.5 DMG
1910 NOV 7		17	20	0.00				37.500	117.000		G				BRP	7	BRP	5.7	BRP								5.5 RYC
1910 NOV 19		2	25	0.00				38.000	118.000		G				BRP	3	BRP	3.0	BRP								5.5 RYC
1910 NOV 19		17	57	0.00				38.000	118.000		G				BRP	3	BRP	3.0	BRP								
1910 NOV 20		14	20	0.00				38.000	118.000		G				BRP												
1910 NOV 21		23	20	0.00				38.000	118.000		G				BRP	3	BRP	3.0	BRP								6.1 RYC
1910 NOV 21		23	23	0.00				38.000	118.000		G				BRP	8	BRP	6.3	BRP								4.9 RYC
1910 NOV 22		0	30	0.00				38.000	118.000		G				BRP	6	BRP	5.0	BRP								
1910 NOV 22		6	0	0.00				38.000	118.000		G				BRP	3	BRP	3.0	BRP								
1910 NOV 22		6	5	0.00				38.000	118.000		G				BRP	7	BRP	5.7	BRP								5.5 RYC
1910 NOV 24		6	50	0.00				38.000	118.000		G				BRP	3	BRP	3.0	BRP								
1910 NOV 25		4	30	0.00				38.000	118.000		G				BRP	3	BRP	3.0	BRP								
1910 NOV 25		7	45	0.00				38.000	118.000		G				BRP	3	BRP	3.0	BRP								
1910 DEC 22		0	0	0.00				38.000	118.000		G				BRP	4	BRP	3.7	BRP								
1914 APR 6		9	55	0.00				38.000	117.500		G				BRP												
1916 OCT 9		4	50	0.00				36.500	118.000		D				BRK												
1916 NOV 9		11	0	0.00				38.100	115.600						RYC	2	RYC										
1916 NOV 10		10	15	0.00				36.900	116.800		H				BRP	4	BRP	4.3	BRP								
1916 NOV 10		18	0	0.00				36.200	116.000						RYC	2	RYC										
1917 FEB 10		4	30	0.00				36.250	118.000		D				BRK												
1917 SEP 4		19	13	0.00				36.670	118.000		D				BRK												
1918 JUL 17		0	0	0.00				36.250	118.000		D				BRK												
1918 JUL 27		21	40	0.00				36.580	117.830		D				BRK												
1921 NOV 17		22	12:30	00				36.500	118.000						PDX												
1928 MAR 26		16	27	0.00				38.300	117.500						RYC												4.7 RYC
1928 DEC 9		3	4	0.00				37.900	117.900						RYC												3.8 RYC
1930 MAR 14		5	52	0.00				36.080	118.000		D				BRK												
1930 JUL 7		12	9	0.00				35.700	117.800		X				BRP	2	BRP	3.8	BRP								
1931 JAN 17		8	7:21:53					37.586	117.939				8.00*		GDY	5	BRP	3.4	BRP								4.2 RYC

SSB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE												
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	MD	REF	mb	REF	OTH	REF
1931 APR 23		23:34:	3.15					35.976	116.906				8.00*												
1931 JUN 5		12:45:	0.00					36.080	118.000		D														
1932 JAN 14		3:16:	15.90					36.583	117.817		B		16.00*			4	BRK	1.8 BRP	3.0 PAS						3.0 BRK
1932 FEB 3		21: 4:	7.30					36.250	117.800		B		16.00*					1.2 BRP	2.5 PAS						
1932 FEB 23		20:24:	49.40					36.250	117.800		C		16.00*			1	BRP	0.1 BRP	1.0 PAS						
1932 MAR 6		21: 0:	17.10					37.050	117.550		C		16.00*					0.5 BRP	2.0 PAS						
1932 23		0:20:	14.10					35.600	116.967		B		16.00*			2	BRP	3.2 BRP	4.0 PAS						
1932 31		5: 0:	19.60					36.217	117.917		C		16.00*					1.8 BRP	3.0 PAS						
1932 APR 1		3: 4:	10.60					36.217	117.917		C		16.00*					1.2 BRP	2.5 PAS						
1932 APR 18		12:35:	56.00					35.917	116.917		C		16.00*					1.2 BRP	2.5 PAS						
1932 24		1:23:	0.90					36.083	117.817		C		16.00*			1	BRP	0.1 BRP	1.5 PAS						
1932 MAY 22		1:16:	58.80					37.333	117.667		C		16.00*					1.2 BRP	2.5 PAS						
1932 22		2:44:	46.00					37.333	117.500		C		16.00*						3.5 PAS						4.0 PAS
1932 22		8:16:	56.00					37.333	117.500		C		16.00*						4.0 BRK						
1932 22		9: 2:	56.00					37.333	117.500		C		16.00*						2.5 PAS						
1932 22		9: 6:	6.00					37.333	117.500		C		16.00*						2.5 PAS						
1932 22		9:52:	27.00					37.333	117.500		C		16.00*						3.0 PAS						
1932 JUL 8		9:44:	18.50					36.217	117.917		C		16.00*					0.5 BRP	2.0 PAS						
1932 29		6:53:	0.00					36.160	118.000		D														
1932 AUG 3		5:47:	25.00					38.000	117.000		D								4.0 BRK						
1932 3		16:24:	52.30					37.333	117.750		C		16.00*					1.2 BRP	2.5 PAS						
1932 16		23:39:	50.00					36.217	117.967		C		16.00*					0.5 BRP	2.0 PAS						
1932 19		18: 4:	20.00					36.217	117.967		C		16.00*					0.5 BRP	2.0 PAS						
1932 OCT 22		5:55:	0.00					35.667	117.000		D		16.00*			1	BRP	2.5 BRP	3.5 PAS						
1932 NOV 24		13:48:	0.00					35.750	116.000		D		16.00*					1.8 BRP	3.0 PAS						
1932 DEC 21		7:40:	0.00					38.500	117.600							3	RYC								
1932 26		5: 2:	45.05					38.043	117.957				8.00*			6	BRP	4.9 BRP	5.3 BRP						5.3 RYC
1933 JAN 2		1:34:	0.00					38.000	118.000		C		16.00*						4.5 PAS						
1933 7		8:11:	24.00					38.500	118.000																
1933 20		1:42:	56.00					38.500	117.800							4	RYC								4.2 RYC
1933 29		5:50:	0.00					36.000	117.417		D		16.00*					1.8 BRP	3.0 PAS						
1933 29		13:52:	0.00					38.500	118.000																5.0 RYC
1933 FEB 8		3:57:	11.00					38.500	118.000																4.2 RYC
1933 9		13:57:	0.00					38.500	118.000																4.1 RYC
1933 13		22: 9:	0.00					38.000	118.000		E					5	BRP	5.1 BRP	5.5 BRP						5.5 RYC
1933 20		19:28:	0.00					36.000	117.500		D		16.00*			1	BRP	2.5 BRP	3.5 PAS						
1933 20		22:56:	0.00					36.250	117.967		D		16.00*					1.8 BRP	3.0 PAS						
1933 27		10:53:	0.00					38.000	118.000		E					5	BRP	3.4 BRP	4.2 BRP						4.2 RYC
1933 MAR 12		22: 0:	0.00					38.500	116.750		D					4	BRK								
1933 13		13:17:	48.04					37.262	117.373				8.00*												
1933 13		13:17:	57.00					36.500	118.000																
1933 APR 7		0:19:	0.00					38.000	118.000		F					5	BRP	3.8 BRP	4.5 BRP						4.5 RYC
1933 9		9:46:	32.23					38.456	117.833							3	RYC								5.1 RYC
1933 9		21: 0:	0.00					38.000	117.250		D					3	RYC								4.1 RYC
1933 13		11:34:	0.00					38.400	117.900																5.2 RYC
1933 JUN 4		14: 9:	0.00					38.500	117.900							5	RYC								
1933 JUL 10		10:30:	0.00					38.500	117.800							4	RYC								4.0 RYC
1933 18		18:12:	0.00					38.000	118.000																

SOB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER					INTENSITY				MAGNITUDE															
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1933	JUL	21	2:55:	0.00					38.400	117.800						RYC	4	RYC											
1933		22	22:11:	2.00					35.833	116.583				16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS						4.7	RYC
1933		30	15:48:	3.00					36.167	118.000		C		16.00*		PAS			1.8	BRP	3.0	PAS							
1933	OCT	1	0:49:	54.00					35.917	117.500		C		16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS							
1933		4	21:59:	55.00					38.000	117.417				16.00*		PAS					3.7	PAS							
1933	NOV	28	20:11:	0.00					35.750	116.500		C		16.00*		PAS			1.8	BRP	3.0	PAS							
1934	JAN	2	7: 4:	0.00					36.083	117.950				16.00*		PAS			0.5	BRP	2.0	PAS						2.0	BRK
1934		9	15:44:	0.00					35.833	117.650		B		16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS						3.5	BRK
1934	MAR	1	13: 7:	0.00					36.133	117.967		B		16.00*		PAS			1.2	BRP	2.5	PAS						2.5	BRK
1934		13	16:11:	0.00					38.000	118.000		D				BRK	3	BRK			4.5	BRK							
1934		13	16:20:	0.00					38.000	118.000		D				BRK					5.0	BRK							
1934		19	10:41:	0.00					38.000	118.000		D				BRK	4	BRK			4.5	BRK							
1934		23	22:49:	0.00					38.000	118.000		D				BRK													
1934		28	9:37:	0.00					37.300	116.600		E				BRP	5	BRP	3.8	BRP	4.5	BRP						4.5	RYC
1934		30	16:26:	0.00					37.667	115.333		C		16.00*		PAS	6	BRP	4.4	BRP	4.5	PAS						4.9	RYC
1934		30	18:51:	0.00					37.700	115.300						RYC												4.0	RYC
1934		31	0:12:	0.00					38.100	116.300						RYC												4.5	RYC
1934		31	8:24:	0.00					37.700	115.300						RYC												4.0	RYC
1934		31	22:13:	0.00					37.700	115.300						ERS	4	ERS										4.0	ERS
1934	APR	2	8: 5:	0.00					38.000	118.000		D				BRK					4.5	BRK							
1934		15	12: 9:	0.00					38.000	115.000		E				BRP	6	BRP	5.0	BRP								5.0	RYC
1934		17	3:50:	0.00					38.000	115.000						RYC												4.0	RYC
1934		17	14:46:	0.00					38.000	115.000						RYC													
1934		18	2:48:	0.00					38.000	118.000		D				BRK					4.0	BRK							
1934		22	11:24:	0.00					38.000	118.000		F				BRP	5	BRP	4.0	BRP	4.6	BRP						4.6	RYC
1934		22	5:55:	0.00					38.000	118.000		D				BRK					4.0	BRK							
1934		12	20:57:	0.00					38.000	118.000		D				BRK					4.0	BRK						4.0	RYC
1934		18	5: 7:	0.00					38.000	116.000						RYC	3	RYC											
1934	JUL	1	6: 3:	0.00					35.817	117.650		C		16.00*		PAS			1.2	BRP	2.5	PAS						2.5	BRK
1934		3	19:46:	0.00					36.200	117.717		B		16.00*		PAS			1.2	BRP	2.5	PAS						2.5	BRK
1934		18	16:51:	0.00					36.400	118.000		C		16.00*		PAS			1.8	BRP	3.0	PAS						3.0	BRK
1934		19	1: 9:	0.00					36.400	118.000		B		16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS						3.5	BRK
1934		19	2:54:	0.00					36.400	118.000		B		16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS						3.5	BRK
1934		19	3:30:	0.00					36.400	118.000		B		16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS						3.5	BRK
1934		20	11:53:	0.00					36.400	118.000		C		16.00*		PAS			1.8	BRP	3.0	PAS						3.0	BRK
1934		23	10:52:	0.00					36.400	118.000				16.00*		PAS			1.8	BRP	3.0	PAS						3.0	BRK
1934		23	17:43:	0.00					36.400	118.000		B		16.00*		PAS			1.8	BRP	3.0	PAS						3.0	BRK
1934		13	18:40:	0.00					38.000	118.000		D				BRK					4.0	BRK							
1934		30	8:37:	0.00					35.833	117.650		C		16.00*		PAS			0.5	BRP	2.0	PAS						2.0	BRK
1934	OCT	16	23:13:	0.00					37.100	117.100		E				BRP	5	BRP	3.6	BRP	4.3	BRP						4.3	RYC
1934		30	19:31:	0.00					38.000	118.000		D				BRK					4.0	BRK						4.0	PAS
1934	NOV	30	19:31:	0.00					38.000	118.000		D				BRK					4.0	BRK							
1934	DEC	4	6:17:	0.00					38.000	118.000						BRK					4.0	BRK							
1934		12	10:42:	0.00					35.833	117.650		B		16.00*		PAS			1.2	BRP	2.5	PAS						2.5	BRK
1934		31	5:51:	0.00					38.000	118.000		D				BRK	4	BRK			4.0	BRK						2.5	BRK
1935	JAN	2	12:29:	0.00					36.150	117.950		B		16.00*		PAS			1.2	BRP	2.5	PAS						2.5	BRK
1935		14	22:45:	0.00					36.667	116.500		C		16.00*		PAS					3.0	PAS						3.0	BRK
1935		21	0: 9:	38.00					38.000	118.000		D				BRK					4.0	BRK						4.0	RYC
1935	FEB	6	6:36:	0.00					35.733	117.917		B		16.00*		PAS			1.8	BRP	3.0	PAS						3.0	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE									
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS REF	ML REF	MD REF	mb REF	OTH REF
1935	FEB	6	6	6:41:	0.00				35.733	117.917		C		16.00*		PAS			1.2 BRP	2.5 PAS			
1935		6	6	6:44:	0.00				35.733	117.917		C		16.00*		PAS			0.5 BRP	2.0 PAS			
1935		6	6	7: 5:	0.00				35.733	117.917		C		16.00*		PAS			1.2 BRP	2.5 PAS			
1935		6	6	20:57:	0.00				35.733	117.917		C		16.00*		PAS			1.2 BRP	2.5 PAS			
1935		8	8	4:22:	0.00				35.833	118.000		B		16.00*		PAS	5	BRK	3.2 BRP	4.0 PAS			4.0 BRK
1935		23	23	16:29:	0.00				35.617	117.283		D		16.00*		PAS			1.8 BRP	3.0 PAS			
1935		27	27	7:15:	0.00				36.667	117.167		B		16.00*		PAS			1.8 BRP	3.0 PAS			3.0 BRK
1935	MAR	3	3	5:49:	0.00				38.000	118.000		D				BRK			1.2 BRP	2.5 PAS			2.5 BRK
1935		6	6	0:55:	0.00				36.150	117.950		B		16.00*		PAS			1.8 BRP	2.5 PAS			3.0 BRK
1935		17	17	4:39:	0.00				36.650	117.217		C		16.00*		PAS			1.8 BRP	3.0 PAS			3.0 BRK
1935		17	17	4:41:	0.00				36.650	117.217		B		16.00*		PAS			1.8 BRP	3.0 PAS			3.5 BRK
1935		17	17	5: 4:	0.00				36.650	117.217		B		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS			
1935		24	24	17:26:	0.00				36.667	117.250		C		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS			3.5 BRK
1935		24	24	19:23:	0.00				36.667	117.250		C		16.00*		PAS			1.8 BRP	3.0 PAS			3.0 BRK
1935	MAY	8	8	14:29:	0.00				36.683	116.967		C		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS			3.5 BRK
1935		17	17	2:55:	0.00				35.617	117.283		C		16.00*		PAS			1.8 BRP	4.0 BRK			
1935		6	6	19:33:	0.00				38.000	118.000		D				BRK							
1936	JAN	11	11	6:49:	0.00				38.000	118.000		D				BRK							
1936		14	14	5:30:	0.00				38.000	117.000		D				BRK	5	BRP	4.5 BRP	4.0 BRK			4.5 PAS
1936		20	20	18:32:	0.00				38.000	118.000		E				BRK				4.5 BRK			
1936	MAR	26	26	22:43:	0.00				38.000	118.000		D				BRK							
1936		7	7	2:59:	0.00				37.600	116.600		E				RYC							3.5 RYC
1936	APR	10	10	5:59:	0.00				37.100	115.600		E				BRP	5	BRP	4.0 BRP				2.5 BRK
1936		12	12	12:24:	0.00				35.833	118.000		C		16.00*		PAS			1.2 BRP	2.5 PAS			
1936		19	19	20:19:	0.00				38.000	118.000		D				BRK	4	RYC		4.0 BRK			4.0 PAS
1936		21	21	4:34:	0.00				36.150	117.950		B		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS			3.5 BRK
1936		24	24	19: 0:	9.34				36.161	117.786		C		10.00*		PAS	2	BRP	1.8 BRP	3.0 PAS			4.0 BRK
1936		25	25	18: 4:	0.00				36.150	117.950		B		16.00*		PAS			1.2 BRP	2.5 PAS			2.5 BRK
1936		26	26	16:25:	16.85				36.236	117.476		C		10.00*		PAS	4	BRK	2.5 BRP	3.5 PAS			3.5 BRK
1936	MAY	10	10	19:36:	0.00				36.917	117.500		C		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS			3.5 BRK
1936		31	31	14:48:	0.00				37.500	117.700						RYC							3.0 RYC
1936	JUN	10	10	6:50:	0.00				36.600	115.500						RYC							
1936		2	2	1:40:	0.00				38.000	118.000		D				BRK				4.0 BRK			
1936		25	25	19:39:	0.00				38.000	118.000		D				BRK	4	BRK		4.0 BRK			
1936	AUG	11	11	7:17:	0.00				36.633	117.850		C		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS			3.5 BRK
1936	SEP	5	5	16:52:	0.00				35.833	116.500		C		16.00*		PAS			1.8 BRP	3.0 PAS			3.0 BRK
1936		5	5	22:24:	0.00				35.833	116.500		C		16.00*		PAS			1.2 BRP	2.5 PAS			2.5 BRK
1936		7	7	11:19:	0.00				36.000	115.000						ERS	4	ERS					4.0 ERS
1936		7	7	11:48:	0.00				36.000	114.800						RYC	4	RYC					4.5 RYC
1936		7	7	17:48:	0.00				36.000	114.800						RYC	3	RYC					
1936		19	19	3:38:	0.00				36.000	114.800						RYC	3	RYC					3.5 RYC
1936		19	19	3:50:	0.00				36.000	114.800						RYC							3.0 RYC
1936		19	19	12:29:	0.00				36.000	114.800						RYC							3.0 RYC
1936		20	20	4:13:	0.00				36.000	114.800						RYC	3	RYC					3.5 RYC
1936		20	20	8:18:	0.00				36.000	115.000						ERS	4	ERS					4.0 ERS
1936		21	21	5:27:	0.00				36.000	114.800						RYC	2	RYC					
1936		21	21	8: 5:	0.00				35.833	117.917				16.00*		PAS			1.2 BRP	2.5 PAS			2.5 BRK
1936		22	22	10:40:	48.00				38.300	117.500						ISC							

SGS HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE										
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS REF	ML REF	MD REF	mb REF	REF	OTH REF
1936	SEP	29	3:22:	0:00					36.667	117.417		C		16.00*		PAS			1.8 BRP	3.0 PAS				3.0 BRK
1936	OCT	4	9:31:	0:00					35.800	118.000		D		16.00*		PAS			1.2 BRP	2.5 PAS				2.5 BRK
1936		7	15: 1:	0:00					38.000	118.000		D				BRK	4	RYC		4.0 BRK				4.0 RYC
1936		13	20:39:	0:00					35.600	116.400		D		16.00*		PAS			1.8 BRP	3.0 PAS				
1936		21	15: 4:	0:00					38.000	118.000		D				BRK				4.0 BRK				
1936		26	12:34:	0:00					38.000	118.000		D				BRK				4.0 BRK				
1936	NOV	20	12:39:	0:00					35.733	117.917		C		16.00*		PAS			1.8 BRP	3.0 PAS				
1936		25	7:28:	0:00			LM		36.000	114.800						RYC	2	RYC						
1936		25	19:19:	0:00					36.150	117.950		B		16.00*		PAS			1.2 BRP	2.5 PAS				2.5 BRK
1936	DEC	6	6:23:	0:00			LM		36.000	114.800						RYC	4	RYC						
1936		8	6:48:	0:00			LM		36.000	114.800						RYC	4	RYC						
1937	JAN	28	3:14:	0:00					37.100	114.700						RYC								4.0 RYC
1937	FEB	9	22:15:	0:00			LM		36.000	114.800						RYC	2	RYC						
1937		12	22:47:	0:00					37.500	117.700						RYC	4	RYC						4.0 RYC
1937		19	23: 6:	0:00					38.000	118.000		D				BRK	5	BRP	4.5 BRP	4.5 BRK				4.5 PAS
1937		25	18:21:	0:00					35.733	117.917		B		16.00*		PAS			1.8 BRP	3.0 PAS				
1937		28	8:41:	0:00					38.300	117.300						RYC								2.5 RYC
1937		28	18:17:	0:00					38.000	118.000		D				BRK				4.0 BRK				4.0 PAS
1937		29	2:14:	0:00					35.830	117.850		D				BRK								
1937	APR	11	20:29:	31:42			LM		35.995	117.329		A		10.00*		PAS	1	BRP	2.5 BRP	3.5 PAS				3.5 BRK
1937		26	18:27:	0:00			LM		36.000	114.800						RYC								
1937		28	4:15:	0:00			LM		36.000	114.800						RYC	5	CMH		4.0 RWL				
1937		28	6:16:	0:00			LM		36.000	114.800						RYC	5	RWL		4.0 RWL				
1937	MAY	28	6:20:	0:00					37.900	117.800						RYC								2.5 RYC
1937		18	17:18:	0:00			LM		36.000	114.800						RYC	5	CMH		4.0 RWL				
1937		27	4:27:	0:00					37.600	117.700						RYC								
1937		30	6:13:	0:00					37.600	117.700						RYC								3.5 RYC
1937		30	6:40:	0:00					37.600	117.700						RYC								3.0 RYC
1937	JUL	18	0:37:	0:00					36.150	117.950		B		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS				3.5 BRK
1937	AUG	8	9:44:	0:00					36.100	117.900		C		16.00*		PAS			1.2 BRP	2.5 PAS				2.5 BRK
1937		10	3:20:	0:00					35.633	116.700		C		16.00*		PAS			1.8 BRP	3.0 PAS				
1937		19	7: 3:	0:00					38.000	118.000		D				BRK	5	BRK		4.5 PAS				4.5 BRK
1937		19	7:49:	0:00					38.000	118.000		D				BRK				3.5 BRK				
1937		19	20:42:	0:00					38.000	118.000		D				BRK				3.5 BRK				
1937	SEP	1	19:39:	0:00			LM		36.000	114.800						RYC								3.0 BRK
1937		9	22:11:	0:00					35.967	117.917		C		16.00*		PAS			1.8 BRP	3.0 PAS				
1937		10	11:10:	0:00					35.967	117.917		C		16.00*		PAS			1.8 BRP	3.0 PAS				3.0 BRK
1937		10	19:34:	0:00					35.967	117.917		B		16.00*		PAS	2	BRP	3.2 BRP	4.0 PAS				4.0 BRK
1937		11	18:29:	0:00			LM		36.000	114.800						RYC								
1937		12	18:22:	0:00			LM		36.000	114.800						RYC								
1937		22	5:21:	0:00			LM		36.000	114.800						RYC								
1937	OCT	9	14:35:	0:00			LM		36.000	114.800						RYC								
1937		27	19: 0:	0:00			LM		36.033	117.567		C		16.00*		PAS			1.8 BRP	3.0 PAS				3.0 BRK
1937	NOV	12	0:39:	0:00			LM		36.000	114.800						RYC	6	CMH						3.5 RYC
1937		12	1:17:	0:00			LM		36.000	114.800						RYC								
1937		12	1:38:	0:00			LM		36.000	115.000		D		16.00*		PAS				3.5 PAS				
1937	DEC	3	23:55:	0:00			LM		36.000	114.800						RYC								3.5 RYC
1937		8	5: 8:	0:00			LM		36.000	114.800						RYC								

SGB HISTORICAL HYOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE														
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1937	DEC	27	5:18:	0.00					35.700	116.800			D	16.00*		PAS			1.8	BRP	3.0	PAS						
1937	DEC	27	8:10:	0.00					35.700	116.800			D	16.00*		PAS			1.8	BRP	3.0	PAS						
1938	JAN	17	1:54:	0.00					35.900	117.900			C	16.00*		PAS			1.2	BRP	2.5	PAS					2.5	BRK
1938	MAR	14	21:21:	0.00					38.000	118.000			D			BRK					4.0	BRK						
1938	JUN	3	4:28:	0.00			LM		36.000	114.800						RYC												
1938	JUL	6	6:26:	0.00					35.800	116.867			C	16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS					3.5	BRK
1938		6	17:20:	0.00			LM		36.000	114.800						RYC												
1938		6	18:20:	0.00			LM		36.100	114.800				16.00*		PAS					3.5	PAS						
1938		18	5:40:	0.00					36.150	117.950			C	16.00*		PAS			1.2	BRP	2.5	PAS					2.5	BRK
1938		26	6:35:	0.00					35.600	117.100						ISC												
1938		28	0:1:33.00						37.600	115.800						RYC	4	ERS			4.0	PAS					4.0	RYC
1938		28	0:6:0.00						37.600	115.800			D	16.00*		PAS					4.0	PAS						
1938		28	0:39:24.10						37.600	115.800			C			BRP	5	BRP	4.5	BRP	4.5	PAS					4.5	RYC
1938		28	6:9:0.00						37.600	115.800			D	16.00*		PAS					4.0	PAS					4.0	RYC
1938		31	10:38:40.00						38.300	115.600						RYC					4.0	PAS					4.5	RYC
1938		31	12:44:3.00						38.300	115.600						RYC					4.0	PAS					4.0	RYC
1938	SEP	17	14:23:4.89						35.631	117.513			C	1.00*		PAS	6	BRP	5.0	BRP	5.0	PAS					4.0	RYC
1938		17	14:29:0.00						35.600	117.650			B	16.00*		PAS			1.8	BRP	3.0	PAS						
1938		17	16:16:0.00						35.600	117.817			B	16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS						
1938		23	8:20:0.00				LM		38.000	118.000			D	16.00*		BRK					3.5	BRK					4.5	PAS
1938	OCT	1	1:7:0.00				LM		36.000	114.900						PAS					3.5	PAS					3.5	RYC
1938		1	7:38:0.00				LM		36.000	114.800				16.00*		RYC												
1938		1	8:38:0.00				LM		36.000	114.800				16.00*		PAS					3.5	PAS						
1938		22	13:13:0.00				LM		36.000	114.800						RYC												
1938	NOV	1	0:34:0.00				LM		36.000	114.800						RYC												
1938	DEC	12	5:14:0.00				LM		36.000	116.000						RYC											3.0	RYC
1938		17	8:43:0.00				LM		36.000	114.800			C	16.00*		PAS					3.5	PAS						
1938		26	5:14:0.00						36.000	116.000			C	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939	JAN	3	17:39:0.00						36.000	117.733			B	16.00*		PAS			1.2	BRP	2.5	PAS					2.5	BRK
1939		3	17:44:0.00						36.000	117.733			B	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939		3	17:50:0.00						36.000	117.733			B	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939		3	17:56:0.00						36.000	117.733			B	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939		3	18:2:0.00						36.000	117.733			B	16.00*		PAS			1.2	BRP	2.5	PAS					2.5	BRK
1939		3	20:58:43.71						35.998	117.718			B	10.00*		PAS	1	BRP	2.5	BRP	3.5	PAS					3.5	BRK
1939		7	20:21:49.34						35.940	117.616				8.00*		GDY	2	BRP	3.8	BRP	4.5	PAS					5.0	BRK
1939		7	20:34:0.00						36.000	117.733			B	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939		9	16:18:0.00						36.000	117.733			B	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939		15	23:0:0.00						36.000	117.733			B	16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS					3.5	BRK
1939		30	14:30:0.00				LM		36.000	114.800			C	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939	FEB	20	5:48:9.00						36.000	117.733			C	16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS					3.5	RYC
1939		25	14:15:0.00						36.000	117.733			C	16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS					3.5	BRK
1939		27	8:36:0.00						35.867	117.867			B	16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS					3.5	BRK
1939	MAR	1	20:51:0.00						35.867	117.867			C	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939		16	3:11:0.00						36.000	117.733			C	16.00*		PAS			1.2	BRP	2.5	PAS					2.5	BRK
1939		20	22:18:0.00						36.000	117.733			C	16.00*		PAS					2.5	PAS					2.5	BRK
1939	APR	25	18:16:0.00				LM		36.000	114.800						RYC												
1939		26	15:40:0.00						36.150	117.950			B	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939		26	16:13:0.00						36.150	117.950			B	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER					INTENSITY				MAGNITUDE														
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1939	MAY	4	20:44:48.36						35.768	114.785				8.00*		GDY	6	BRP	5.0	BRP	5.0	PAS					5.0	RYC
1939		4	21:53: 0.00			LM			36.000	114.800			C	16.00*		PAS					4.0	PAS						
1939		4	22:36: 0.00			LM			36.000	114.800			C	16.00*		PAS	4	CVH									4.0	RYC
1939		4	22:37: 0.00			LM			36.000	114.800			C	16.00*		PAS											3.5	RYC
1939		7	12:31: 0.00			LM			36.000	114.800			C	16.00*		PAS											3.5	RYC
1939		7	19:32: 0.00			LM			36.000	114.800			C	16.00*		PAS											3.5	RYC
1939		11	2:42: 0.00						38.000	118.000						BRK	5	BRP	3.6	BRP	4.5	BRK					4.5	PAS
1939		11	18: 4:45.37						38.353	117.828			D	8.00*		GDY					5.5	PAS					5.5	GDY
1939		11	21: 0: 0.00						38.500	118.000						RYC											4.7	RYC
1939		13	2:49: 0.00						38.500	118.000						RYC											4.8	RYC
1939		13	21: 8: 0.00						38.500	118.000						RYC											3.5	RYC
1939		17	11: 7: 0.00						36.167	117.833			B	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939		17	18:19: 0.00						38.500	118.000						RYC											4.5	RYC
1939		24	3:47: 0.00			LM			36.000	114.800						RYC											3.5	RYC
1939	JUN	11	19:15: 0.00			LM			36.000	114.800						RYC	6	RWL			5.0	RWL						
1939		12	15:49:30.00						38.007	115.982						PDX												
1939		12	18: 5: 0.00						37.020	117.250			C			BRK	1	BRP	2.5	BRP	3.5	BRK					3.5	PAS
1939		12	18: 8: 0.00						37.020	117.250			C			BRK	1	BRP	2.5	BRP	3.5	BRK					3.5	PAS
1939		12	18:16: 0.00						37.200	117.100						RYC											3.5	RYC
1939		12	18:24: 0.00						37.020	117.250			C			RYC	1	BRP	2.5	BRP	3.5	BRK					3.5	PAS
1939		13	17:15:32.07						37.007	117.229				8.00*		GDY	6	BRP	5.0	BRP	5.0	BRK					5.0	PAS
1939		13	18:10: 0.00						36.500	116.900			D			BRK												
1939		21	11:28:35.28						38.230	117.694				8.00*		GDY											4.5	RYC
1939	JUL	10	8:21: 0.00						38.200	116.900						RYC											3.5	RYC
1939		25	11:22: 0.00						36.133	117.917			B	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939	AUG	11	17:36:35.00						37.020	117.250			C			BRK			1.8	BRP	3.0	BRK					3.0	PAS
1939		15	15:48:18.00						36.000	117.583			B	16.00*		PAS	2	BRP	3.2	BRP	4.0	BRK					4.0	BRK
1939	SEP	12	0:44:38.00						36.000	117.733			C	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939		13	14:42:49.00						35.833	116.583			C	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939		17	11: 1: 0.00						38.000	118.000						RYC											3.5	RYC
1939		21	9:17: 0.00						37.000	117.000			D			BRK					4.0	BRK					4.0	PAS
1939	OCT	5	20: 6:17.00						35.650	117.300			B	16.00*		PAS			1.8	BRP	3.0	PAS					4.0	RYC
1939	NOV	5	16:14: 0.00						38.000	118.000			D			BRK					4.0	BRK					4.0	RYC
1939		17	20:40:45.00						36.150	117.950			B	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939		21	22:40: 0.00						36.500	115.000			D	16.00*		PAS					4.0	PAS					4.0	RYC
1939	DEC	1	13: 5: 5.12						36.397	117.825			C	4.60		PAS	2	BRP	3.2	BRP	4.0	PAS						
1939		19	20:12: 9.00						35.933	116.867			C	16.00*		PAS	2	BRP	3.2	BRP	4.0	PAS					4.0	BRK
1939		29	9:27:20.00						35.833	117.000			C	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1939		30	5: 0:47.58						35.807	116.955			A	5.30		ISC	2	BRP	3.2	BRP	4.0	PAS					4.0	BRK
1940	JAN	4	8: 7:12.00						38.300	116.300						PAS												
1940	MAR	10	18: 1:53.31						37.389	114.937				8.00*		GDY	4	RYC			5.0	PAS					5.0	RYC
1940		11	0: 6: 0.00						37.000	115.000			D	16.00*		PAS	5	BRP	4.5	BRP	4.5	PAS					4.5	RYC
1940		20	10:22:24.00						38.100	116.100						ISC												
1940		25	21:18:18.00						36.800	117.100			D	16.00*		PAS	2	BRP	3.2	BRP	4.0	PAS					4.0	BRK
1940	APR	7	8:41:52.80						37.391	114.996				8.00*		GDY	5	BRP	4.5	BRP	4.5	PAS					4.5	RYC
1940	MAY	4	13:21:38.00						35.900	117.800			C	16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1940		9	1: 0: 0.00						36.150	116.150						RYC	3	RYC										
1940	JUL	8	10: 5: 0.00						38.350	117.500						RYC												

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE										
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	MB	REF	OTH	REF
1940 SEP 10	1:40	36.00					36.133	117.950		B		16.00*		PAS		1.2	2.5				2.5	BRK
1940 SEP 20	12:21	54.00					36.529	115.012						PDX								
1940 OCT 12	0: 0	0.00					37.000	115.000						RYC								
1940 OCT 28	22:21	6.00					37.369	117.019						PDX								
1941 FEB 21	11:33	56.00					36.150	117.950		C		16.00*		PAS	1	2.5	3.5				3.5	BRK
1941 MAR 17	4:20	33.00					36.133	117.967		C		16.00*		PAS		1.8	3.0				3.0	BRK
1941 MAR 22	11: 8	6.00		LM			36.000	114.600		D		16.00*		PAS			3.5				3.5	RYC
1941 APR 23	5:24	24.00					38.100	116.400						ISC								
1941 APR 25	2:37	53.00					36.200	117.800		C		16.00*		PAS		1.8	3.0				3.0	BRK
1941 JUN 6	19:38	47.67					36.963	115.592				8.00*		GOY			4.0				4.0	RYC
1941 JUN 6	22:12	54.00					37.100	115.800		D		16.00*		PAS			2.5				3.5	RYC
1941 JUL 25	1:53	30.00					36.000	117.800		C		16.00*		PAS		1.2	2.5				2.5	BRK
1941 AUG 17	11:14	18.00					36.500	118.000		D		16.00*		PAS	1	2.5	3.5				3.5	BRK
1941 SEP 3	21:25	0.00		LM			36.000	114.700						RYC							3.5	RYC
1941 SEP 5	13:11	0.00		LM			36.000	114.700						RYC								
1941 SEP 13	20:59	6.00					35.900	116.800		C		16.00*		PAS		1.8	3.0				3.0	BRK
1941 SEP 24	18:34	25.00					35.933	116.867		C		16.00*		PAS		1.8	3.0				3.0	BRK
1941 SEP 25	9:50	59.00					35.883	117.583		C		16.00*		PAS		1.8	3.0				3.0	BRK
1941 OCT 9	2:26	11.00					36.633	117.850		B		16.00*		PAS	1	2.5	3.5				3.5	BRK
1941 OCT 15	4:49	0.00					37.000	117.500		D				BRK		1.8	3.0				3.0	PAS
1941 DEC 14	16:21	42.00		LM			36.000	114.800		D		16.00*		PAS			3.5				3.5	RYC
1942 JAN 11	20:27	56.00					36.233	118.000		C		16.00*		PAS		1.8	3.0				3.0	BRK
1942 JAN 12	3:28	49.00					36.233	118.000		C		16.00*		PAS		1.8	3.0				3.0	BRK
1942 JAN 15	13:23	20.00					36.250	118.000		C		16.00*		PAS		1.8	3.0				3.0	BRK
1942 JUN 4	15:26	0.00		LM			36.000	114.900		I				BRP	5	4.3	4.0					
1942 JUN 22	22:13	51.00					36.250	117.967		B		16.00*		PAS	2	3.2	4.0				4.0	BRK
1942 JUN 22	23:51	3.00					36.250	117.967		B		16.00*		PAS	2	3.2	4.0				4.0	BRK
1942 JUN 22	23:53	27.00					36.250	117.967		C		16.00*		PAS	1	2.5	3.5				3.5	BRK
1942 JUL 4	8:52	25.00					36.250	117.967		C		16.00*		PAS	1	2.5	3.5				3.5	BRK
1942 JUL 11	16:41	48.00					38.300	116.100		D		16.00*		PAS			5.0				5.0	RYC
1942 AUG 11	16:45	42.00					38.300	116.100						RYC							4.5	RYC
1942 AUG 24	9: 3	53.00					36.250	117.967		C		16.00*		PAS	1	2.5	3.5				3.5	BRK
1942 AUG 11	10:14	2.00					35.817	114.633		C		16.00*		PAS	5	3.2	4.0				4.0	RYC
1942 SEP 9	5:15	0.00		LM			36.000	114.700		E		16.00*		BRP	6	5.0	5.0					
1942 OCT 1	18:39	55.00		LM			36.000	114.717		B		16.00*		PAS			3.5					
1942 OCT 7	2:31	32.00					36.250	117.967		C		16.00*		PAS		1.8	3.0				3.0	BRK
1942 OCT 16	10: 7	27.00					36.250	117.967		C		16.00*		PAS	2	3.2	4.0				4.0	BRK
1943 JAN 24	4:30	0.00		LM			36.000	114.800						RYC								
1943 JAN 26	13: 1	0.00		LM			36.000	114.800						RYC								
1943 FEB 3	9: 1	0.00		LM			36.000	114.800						RYC								
1943 FEB 13	23:30	59.00					36.017	117.950		C		16.00*		PAS		1.2	2.5				2.5	BRK
1943 FEB 25	20:28	25.00					36.250	117.967		C		16.00*		PAS	1	2.5	3.5				3.5	BRK
1943 MAR 26	2: 1	50.00					36.250	117.967		C		16.00*		PAS	1	2.5	3.5				3.5	BRK
1943 MAR 11	15: 2	0.00					36.150	117.950		D				BRK								
1943 MAR 12	20:18	0.00					36.120	117.950		D				BRK								
1943 MAR 16	9:59	0.00					36.120	117.950		D				BRK								
1943 MAR 23	3:20	0.00		LM			36.000	114.800						RYC	2							
1943 MAR 23	20:57	0.00					36.120	117.950		D				BRK								

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)		ORIGIN TIME		HYPOCENTER							INTENSITY		MAGNITUDE									
				FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	MD	MB	REF	OTH
1943	MAR 26	3:50:44.00					36.150	117.950		C		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS				3.5 BRK
1943	MAR 29	10:28:12.00					36.133	117.967		C		16.00*		PAS			1.2 BRP	2.5 PAS				2.5 BRK
1943	MAR 29	18:18:00.00					36.150	117.950		D				BRK								
1943	APR 4	15:48:45.00					36.133	117.967		C		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS				3.5 BRK
1943	APR 4	15:51:50.00					36.133	117.967		C		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS				3.5 BRK
1943	APR 8	17:27:00.00					36.000	114.800						RYC	3	RYC						
1943	APR 11	18:36:12.00					38.000	118.000						RYC								3.5 RYC
1943	APR 21	23:29:00.00					38.100	117.500						RYC								3.5 RYC
1943	APR 24	1:12:12.00					36.000	117.600		C		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS				3.5 BRK
1943	APR 24	5:3:15.00					36.000	117.600		C		16.00*		PAS	3	RYC	1.8 BRP	3.0 PAS				3.0 BRK
1943	MAY 6	4:10:00.00					36.000	114.800						RYC			1.8 BRP	3.0 PAS				3.0 BRK
1943	MAY 27	2:41:20.00					35.950	116.450		C		16.00*		PAS								
1943	MAY 30	5:17:00.00					36.000	114.800						RYC	3	RYC						
1943	MAY 30	7:50:54.00					36.133	117.967		C		16.00*		PAS	4	BRK	3.2 BRP	4.0 PAS				4.0 BRK
1943	JUN 4	8:45:00.00					36.000	114.800						RYC	3	RYC						
1943	JUN 6	19:58:00.00					36.000	114.800						RYC	3	RYC						
1943	JUN 10	22:25:30.00					37.300	115.000						RYC								3.5 RYC
1943	JUN 22	20:56:10.00					35.750	116.650		C		16.00*		PAS			1.8 BRP	3.0 PAS				
1943	JUL 1	16:19:20.00					35.617	116.400		C		16.00*		PAS			1.8 BRP	3.0 PAS				
1943	JUL 24	8:12:30.00					36.233	118.000		B		16.00*		PAS			1.8 BRP	3.0 PAS				3.0 BRK
1943	AUG 4	21:49:00.00					36.100	114.900						RYC								3.5 RYC
1943	AUG 4	22:16:48.00					36.100	114.900						RYC								
1943	AUG 5	6:43:12.00					36.100	114.900						RYC								
1943	AUG 10	4:42:40.00					37.870	117.650						BRK				3.5 BRK				
1943	SEP 18	0:30:16.00					35.767	116.517		C		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS				3.5 BRK
1943	SEP 9	10:34:00.00					36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1943	SEP 15	10:57:33.00					36.017	117.933		C		16.00*		PAS			1.8 BRP	3.0 PAS				3.0 BRK
1943	SEP 15	12:38:20.00					36.017	117.933		C		16.00*		PAS			1.8 BRP	3.0 PAS				3.0 BRK
1943	SEP 16	0:16:11.00					36.017	117.933		C		16.00*		PAS	2	BRP	3.2 BRP	4.0 PAS				4.0 BRK
1943	SEP 16	0:47:19.00					36.017	117.933		C		16.00*		PAS			1.8 BRP	3.0 PAS				3.0 BRK
1943	SEP 16	7:52:22.00					35.979	117.711				8.00*		GDY	4	BRK	3.8 BRP	4.5 PAS				4.5 BRK
1943	SEP 16	8:13:36.00					36.017	117.933		C		16.00*		PAS			1.8 BRP	3.0 PAS				3.0 BRK
1943	SEP 17	20:45:41.00					36.017	117.933		C		16.00*		PAS			1.2 BRP	2.5 PAS				2.5 BRK
1943	SEP 19	23:39:00.00					36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1943	SEP 20	6:20:24.00					36.017	117.933		C		16.00*		PAS			1.8 BRP	3.0 PAS				3.0 BRK
1943	SEP 22	20:16:40.00					36.017	117.933		C		16.00*		PAS			1.2 BRP	2.5 PAS				2.5 BRK
1943	OCT 2	18:37:54.00					37.300	117.800						RYC								3.5 RYC
1943	OCT 21	12:2:51.00					36.017	117.933		C		16.00*		PAS			1.2 BRP	2.5 PAS				2.5 BRK
1944	JAN 31	23:22:19.00					36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1944	FEB 28	1:29:00.00					36.000	114.800		H				BRP	3	BRP	3.0 BRP					
1944	MAR 20	9:30:57.00					37.500	114.700		E				BRP	4	BRP	4.0 BRP					4.0 RYC
1944	MAR 26	21:33:9.00					36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1944	MAY 4	9:1:14.00					36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1944	MAY 10	12:7:26.00					36.000	114.800		H				BRP	3	BRP	3.0 BRP					
1944	MAY 11	1:4:22.00					36.000	114.800		H				BRP	3	BRP	3.0 BRP					
1944	MAY 16	4:21:14.00					36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1944	MAY 17	12:16:30.00					36.000	114.800		H				BRP	3	BRP	3.0 BRP					
1944	MAY 27	9:44:37.00					36.000	114.800		C				BRP	3	BRP	3.0 BRP					

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER				INTENSITY				MAGNITUDE												
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1944	MAY 28	11:41:37.00			LM			36.000	114.800		C				BRP	3	BRP	3.0						
1944	MAY 30	7: 1:52.00			LM			36.000	114.800		H				BRP	3	BRP	3.0						
1944	MAY 31	4:40:11.00			LM			36.000	114.800		H				BRP	3	BRP	3.0						
1944	JUN 1	10:21:34.00			LM			36.000	114.800		H				BRP	3	BRP	3.0						
1944	JUN 4	12: 1:40.00			LM			36.000	114.800		H				BRP	3	BRP	3.0						
1944	JUN 16	1:13: 2.00			LM			36.000	114.800		H				BRP	4	BRP	3.7						
1944	JUN 17	5:19:48.00			LM			36.000	114.800		H				BRP	4	BRP	3.7						
1944	JUN 29	8: 5: 0.00			LM			36.000	114.800		H				BRP	3	BRP	3.0						
1944	JUL 14	2:21: 0.00			LM			36.000	114.800		H				BRP	2	BRP	2.3						
1944	JUL 16	18:46: 0.00			LM			36.000	114.800		H				BRP	2	BRP	2.3						
1944	AUG 3	4: 7:20.00			LM			36.633	115.450		C		16.00*		PAS	2	BRP	2.7	2.8	PAS				2.8 RYC
1944	AUG 3	4:24: 0.00			LM			36.000	114.800		H				BRP	2	BRP	2.3						
1944	AUG 9	14: 1: 5.98						35.887	117.752		C		1.00*		PAS	2	BRP	3.2						4.0 BRK
1944	AUG 10	23:50: 0.00			LM			36.000	114.800		H				BRP	2	BRP	2.3	4.0	PAS				
1944	AUG 12	8:25:20.00						35.933	117.767		C		16.00*		PAS	2	BRP	3.3	4.1	PAS				4.1 BRK
1944	AUG 12	21: 8: 0.00			LM			36.000	114.800		H				BRP	2	BRP	2.3						
1944	AUG 12	21:21:20.00						35.933	117.767		C		16.00*		PAS	1	BRP	2.4	3.4	PAS				3.4 BRK
1944	AUG 13	6:27:57.00						35.933	117.767		C		16.00*		PAS	1	BRP	2.8	3.7	PAS				3.7 BRK
1944	SEP 4	9:26: 0.00			LM			36.000	114.800		C				BRP	3	BRP	3.0						
1944	SEP 7	16:24: 0.00			LM			36.000	114.800		H				BRP	3	BRP	3.0						
1944	SEP 14	9:42: 0.00			LM			36.000	114.800		H				BRP	2	BRP	2.3						
1944	SEP 24	21:36: 0.00			LM			36.000	114.800		C				RYC	2	BRP	2.3						
1944	OCT 30	0:54:12.00						36.000	115.450						RYC	—	—	—						2.8 RYC
1944	OCT 9	2:40:16.00						38.400	117.400						RYC	—	—	—						3.7 RYC
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																								
1944																			</					

SGS HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER						INTENSITY				MAGNITUDE									
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF
1945	JUL 26	10:10:58.77						36.104	117.986		C		6.70		PAS	2	BRP	3.3 BRP	4.1 PAS				4.1 BRK
1945	JUL 27	9:31:0.00			LM			36.000	114.800		H				BRP	2	BRP	2.3 BRP					
1945	JUL 31	4:48:0.00			LM			36.000	114.800		H				BRP	3	BRP	3.0 BRP					
1945	AUG 11	11:14:59.00						37.420	117.330		C				BRK	3	BRP		3.3 BRK				3.3 PAS
1945	SEP 11	2:1:8.00						36.533	117.167		C		16.00*		PAS	1	BRP		3.4 PAS				3.4 BRK
1945	OCT 27	7:17:0.00			LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1945	NOV 7	20:25:0.00			LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1945	NOV 16	8:49:0.00			LM			36.000	114.800		H				BRP	2	BRP	2.3 BRP					
1945	NOV 28	7:51:0.00			LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1945	DEC 2	2:10:0.00			LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1945	DEC 18	1:13:0.00			LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1946	JAN 7	23:0:0.00			LM			36.000	114.800		H				BRP	3	BRP	3.0 BRP					
1946	FEB 8	11:13:0.00			LM			36.000	114.800		H				BRP	3	BRP	3.0 BRP					
1946	FEB 14	10:45:0.00			LM			36.000	114.800		H				BRP	3	BRP	3.0 BRP					
1946	FEB 16	2:12:0.00			LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1946	FEB 16	2:43:0.00			LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP					
1946	MAR 11	0:16:0.00			LM			36.000	114.800		H				BRP	3	BRP	3.0 BRP					
1946	MAR 11	5:18:0.00			LM			36.000	114.800		H				BRP	1	BRP	1.7 BRP					
1946	APR 11	13:46:0.00			LM			36.000	114.800		H				BRP	2	BRP	2.3 BRP					
1946	APR 12	11:45:0.00			LM			36.000	114.800		H				BRP	2	BRP	2.3 BRP					
1946	APR 14	9:17:0.00			LM			36.000	114.800		H				BRP	2	BRP	2.3 BRP					
1946	APR 15	3:25:0.00			LM			36.000	114.800		H				GDY	4	BRP	5.1 BRP	5.2 PAS				5.2 GDY
1946	APR 15	13:21:1.06						35.731	117.978				8.00*		GDY	6	BRP	5.1 BRP					
1946	APR 15	13:49:36.56						35.683	117.899				8.00*		GDY								
1946	APR 15	19:18:54.26						35.660	117.886				8.00*		GDY	6	BRP	5.4 BRP	5.4 PAS				5.4 GDY
1946	APR 16	9:46:18.70						35.704	117.927				8.00*		GDY								
1946	APR 17	4:52:0.00						36.000	114.800		H				BRP	2	BRP	2.3 BRP					
1946	APR 17	14:45:53.00			LM			36.300	117.500		D				BRK	5	BRK		5.0 BRK				5.0 PAS
1946	APR 18	15:49:26.48						35.715	117.790				8.00*		GDY	6	BRK	4.2 BRP	4.8 PAS				4.8 BRK
1946	APR 18	15:50:41.23						35.704	117.877				8.00*		GDY	6	PDX	5.3 BRP	5.3 PAS				5.3 GDY
1946	APR 24	5:17:27.80						35.738	117.981		A		16.00*		PAS	2	BRP	3.3 BRP	4.1 PAS				
1946	APR 26	8:38:0.00						35.900	118.000		D				BRK								
1946	APR 3	3:7:57.00						35.700	118.000		C		16.00*		PAS			1.3 BRP	2.6 PAS				
1946	APR 3	3:20:58.00						35.700	118.000		C		16.00*		PAS			0.7 BRP	2.1 PAS				
1946	APR 3	3:39:26.00						35.700	118.000		C		16.00*		PAS			0.5 BRP	2.0 PAS				
1946	APR 3	15:38:27.00						35.700	118.000		C		16.00*		PAS			1.6 BRP	2.8 PAS				
1946	APR 4	15:44:31.00						35.700	118.000		C		16.00*		PAS	1	BRP	2.8 BRP	3.7 PAS				
1946	APR 6	3:59:25.00						35.700	118.000		C		16.00*		PAS	1	BRP	2.1 BRP	3.2 PAS				
1946	APR 7	8:28:31.00						35.700	118.000		C		16.00*		PAS	1	BRP	2.9 BRP	3.8 PAS				
1946	APR 8	15:36:20.00						35.700	118.000		C		16.00*		PAS	1	BRP	2.2 BRP	3.3 PAS				
1946	APR 9	0:35:47.00						35.700	118.000		C		16.00*		PAS			0.7 BRP	2.1 PAS				
1946	APR 9	3:14:28.00						35.700	118.000		C		16.00*		PAS			1.5 BRP	2.7 PAS				
1946	APR 9	5:9:40.00						35.700	118.000		C		16.00*		PAS	1	BRP	2.0 BRP	3.1 PAS				
1946	APR 9	10:17:53.00						35.700	118.000		C		16.00*		PAS	1	BRP	2.8 BRP	3.7 PAS				
1946	APR 10	12:21:0.00						35.700	118.000		C		16.00*		PAS			1.3 BRP	2.6 PAS				
1946	APR 11	23:35:40.00						35.700	118.000		C		16.00*		PAS	1	BRP	2.6 BRP	3.6 PAS				
1946	APR 12	10:34:33.72						35.687	117.869		B		1.00*		PAS	2	BRP	3.2 BRP	4.0 PAS				
1946	APR 12	20:2:37.00						35.700	118.000		C		16.00*		PAS	1	BRP	2.9 BRP	3.8 PAS				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE																		
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1946	APR 13	0:	0:	18.00				35.700	118.000				16.00*		PAS	1	BRP	2.8	BRP	3.7	PAS							
1946	APR 13	15:	46:	57.00				35.700	118.000				16.00*		PAS	1	BRP	2.6	BRP	3.6	PAS							
1946	APR 13	15:	48:	59.00				35.700	118.000				16.00*		PAS	1	BRP	2.8	BRP	3.7	PAS							
1946	APR 16	22:	56:	8.00				35.700	118.000				16.00*		PAS	1	BRP	2.9	BRP	3.8	PAS							
1946	APR 19	1:	14:	50.00				35.700	118.000				16.00*		PAS	1	BRP	2.0	BRP	3.1	PAS							
1946	APR 27	2:	18:	24.00				38.500	118.000						BRK					4.7	BRK					4.7	RYC	
1946	MAY 27	22:	37:	23.84				35.723	117.891				1.00*		PAS	2	BRP	3.3	BRP	4.1	PAS							
1946	MAY 31	17:	30:	10.00				37.000	118.000						BRK	4	BRK	3.2	BRP	4.0	BRK						4.0	PAS
1946	MAY 4	4:	25:	12.00				35.700	118.000				16.00*		PAS			1.6	BRP	2.8	PAS							
1946	MAY 4	5:	44:	52.00				35.700	118.000				16.00*		PAS			1.3	BRP	2.6	PAS							
1946	MAY 5	9:	3:	43.66				35.697	117.836				2.30		PAS	2	BRP	3.4	BRP	4.2	PAS							
1946	MAY 6	11:	1:	11.00				35.700	118.000				16.00*		PAS	1	BRP	2.6	BRP	3.6	PAS							
1946	MAY 9	22:	45:	43.00				35.700	118.000				16.00*		PAS			1.7	BRP	2.9	PAS							
1946	MAY 11	11:	45:	29.00				35.700	118.000				16.00*		PAS	1	BRP	2.1	BRP	3.2	PAS							
1946	MAY 13	1:	16:	57.00				36.050	117.917				16.00*		PAS			1.8	BRP	3.0	PAS						3.0	BRK
1946	MAY 13	1:	18:	33.00				36.050	117.917				16.00*		PAS			1.8	BRP	3.0	PAS						3.0	BRK
1946	MAY 13	1:	26:	9.00				36.050	117.917				16.00*		PAS			1.7	BRP	2.9	PAS						2.9	BRK
1946	MAY 13	8:	12:	59.00				35.700	118.000				16.00*		PAS	1	BRP	2.0	BRP	3.1	PAS							
1946	MAY 13	11:	38:	21.00				35.700	118.000				16.00*		PAS			1.8	BRP	3.0	PAS							
1946	MAY 14	12:	29:	57.00				35.700	118.000				16.00*		PAS			1.7	BRP	2.9	PAS							
1946	MAY 14	14:	32:	58.00				35.700	118.000				16.00*		PAS			0.9	BRP	2.3	PAS							
1946	MAY 15	4:	5:	35.00				35.700	118.000				16.00*		PAS			0.7	BRP	2.1	PAS							
1946	MAY 15	5:	24:	43.00				35.700	118.000				16.00*		PAS			1.6	BRP	2.8	PAS							
1946	MAY 19	0:	30:	45.00				35.700	118.000				16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS							
1946	MAY 20	4:	34:	8.00				35.700	118.000				16.00*		PAS			1.5	BRP	2.7	PAS							
1946	MAY 20	13:	47:	28.00				35.667	117.500				16.00*		PAS			1.6	BRP	2.8	PAS							
1946	MAY 20	17:	6:	53.00				35.700	118.000				16.00*		PAS			1.8	BRP	3.0	PAS							
1946	MAY 22	19:	0:	53.00				36.133	117.950				16.00*		PAS			1.2	BRP	2.5	PAS						2.5	BRK
1946	MAY 23	4:	46:	34.00				35.700	118.000				16.00*		PAS			0.4	BRP	1.9	PAS						2.8	BRK
1946	MAY 24	6:	19:	27.00				36.050	117.917				16.00*		PAS			1.6	BRP	2.8	PAS							
1946	MAY 28	0:	6:	9.00				35.700	118.000				16.00*		PAS			1.6	BRP	2.8	PAS							
1946	MAY 31	8:	47:	54.00				35.700	118.000				16.00*		PAS	1	BRP	2.2	BRP	3.3	PAS							
1946	JUN 1	20:	28:	50.00				35.883	117.367				16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS						3.5	BRK
1946	JUN 10	4:	26:	44.00				35.700	118.000				16.00*		PAS			1.7	BRP	2.9	PAS							
1946	JUN 10	14:	4:	14.69				35.788	117.752				7.40		PAS	1	BRP	2.8	BRP	3.7	PAS							
1946	JUN 11	9:	25:	9.00				35.700	118.000				16.00*		PAS	1	BRP	2.2	BRP	3.3	PAS							
1946	JUN 12	18:	0:	16.00				35.700	118.000				16.00*		PAS	1	BRP	2.2	BRP	3.3	PAS							
1946	JUN 12	20:	20:	43.11				35.733	117.937				4.00*		PAS	1	BRP	2.6	BRP	3.6	PAS							
1946	JUN 14	1:	26:	0.00				35.900	118.000				16.00*		PAS			1.3	BRP	2.6	PAS							
1946	JUN 15	9:	21:	0.00				36.000	114.800						BRP	2	BRP	2.3	BRP									
1946	JUN 16	13:	32:	37.00				35.700	118.000				16.00*		PAS	1	BRP	2.1	BRP	3.2	PAS							
1946	JUN 17	16:	26:	7.00				35.700	118.000				16.00*		PAS			0.7	BRP	2.1	PAS							
1946	JUN 20	15:	45:	56.00				35.700	118.000				16.00*		PAS			1.3	BRP	2.6	PAS							
1946	JUN 20	18:	33:	32.00				35.700	118.000				16.00*		PAS	1	BRP	2.0	BRP	3.1	PAS							
1946	JUN 21	0:	59:	54.00				35.700	118.000				16.00*		PAS			1.2	BRP	2.5	PAS							
1946	JUN 25	20:	25:	19.00				35.750	117.533				16.00*		PAS	1	BRP	2.4	BRP	3.4	PAS							
1946	JUN 26	2:	14:	4.00				35.750	117.533				16.00*		PAS			2.4	BRP	3.4	PAS							
1946	JUN 29	15:	41:	55.00				35.700	118.000				16.00*		PAS			0.8	BRP	2.2	PAS							

LM

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE										
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	MD	REF	mb	REF	OTH	REF
1946 JUL 7	7	7:22	0.00				35.700	118.000		C		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS						
1946 JUL 9	9	3:19	0.67				35.658	117.857		B		1.00*		PAS	1	BRP	2.9 BRP	3.8 PAS						
1946 JUL 13	13	12:00	0.33				35.700	117.600		C		16.00*		PAS	1	BRP	2.4 BRP	3.4 PAS						
1946 JUL 13	13	17:14	0.00	LM			36.000	114.800		H				BRP	2	BRP	2.3 BRP							
1946 JUL 14	14	16:57	0.00	LM			36.000	114.800		H				BRP	2	BRP	2.3 BRP							
1946 JUL 14	14	21:23	0.00	LM			36.000	114.800		H				BRP	2	BRP	2.3 BRP							
1946 JUL 17	17	16:38	2.00				35.683	117.583		C		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS						
1946 JUL 18	18	5:2	1.99				35.657	117.560		C		1.00*		PAS	2	BRP	3.0 BRP	3.9 PAS						
1946 JUL 22	22	15:19	32.92				35.752	117.744		B		5.00*		PAS	4	PDX	3.3 BRP	4.1 PAS						
1946 JUL 23	23	11:25	58.00				35.833	118.000		C		16.00*		PAS	1	BRP	2.4 BRP	3.4 PAS						3.4 BRK
1946 JUL 28	28	5:14	11.00				35.667	117.833		C		16.00*		PAS	1	BRP	2.1 BRP	3.2 PAS						
1946 JUL 29	29	14:36	53.00				35.700	118.000		C		16.00*		PAS			1.7 BRP	2.9 PAS						
1946 AUG 10	10	21:28	28.00				36.483	117.917		B		16.00*		PAS			1.8 BRP	3.0 PAS						3.0 BRK
1946 AUG 31	31	9:10	12.80				35.646	117.896		A		16.00*		PAS	4	PDX	3.4 BRP	4.2 PAS						
1946 SEP 5	5	17:38	39.38				35.938	117.878		C		18.70		PAS	1	BRP	2.8 BRP	3.7 PAS						3.7 BRK
1946 SEP 13	13	16:13	7.00				35.600	117.667		C		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS						
1946 SEP 14	14	9:3	27.00				35.667	117.983		C		16.00*		PAS	1	BRP	2.4 BRP	3.4 PAS						3.1 BRK
1946 SEP 14	14	17:18	38.00				36.067	117.317		C		16.00*		PAS	1	BRP	2.0 BRP	3.1 PAS						
1946 OCT 23	23	18:20	27.00				35.683	117.650		C		16.00*		PAS			1.8 BRP	3.0 PAS						
1946 OCT 29	29	2:1	13.00				35.667	117.583		C		16.00*		PAS	1	BRP	2.1 BRP	3.2 PAS						
1946 OCT 1	1	3:19	3.00				35.667	117.583		C		16.00*		PAS	1	BRP	2.0 BRP	3.1 PAS						
1946 OCT 2	2	11:28	0.00	LM			36.000	114.800		H				BRP	2	BRP	2.3 BRP							
1946 OCT 4	4	14:42	0.00	LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP							
1946 OCT 6	6	7:19	0.00	LM			36.000	114.800		H				BRP	3	BRP	3.0 BRP							
1946 OCT 6	6	16:0	0.00	LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP							
1946 OCT 14	14	10:39	18.00				35.700	117.950		C		16.00*		PAS	1	BRP	2.4 BRP	3.4 PAS						
1946 OCT 14	14	10:52	5.00				35.700	117.950		C		16.00*		PAS			1.6 BRP	2.8 PAS						
1946 OCT 20	20	3:59	11.00				35.600	116.900		D		16.00*		PAS			1.8 BRP	3.0 PAS						
1946 NOV 4	4	5:14	0.00	LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP							
1946 NOV 18	18	13:31	0.00	LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP							
1946 DEC 24	24	21:30	14.00				36.600	117.867		C		16.00*		PAS	1	BRP	2.9 BRP	3.8 PAS						3.8 BRK
1946 DEC 1	1	5:16	29.00				37.250	117.200		C				BRK	3	BRP	3.2 BRP	3.2 BRK						3.2 PAS
1946 DEC 1	1	6:23	3.00				37.170	117.330		C				BRK	3	BRP	3.5 BRP	3.5 BRK						3.5 PAS
1946 DEC 1	1	11:54	35.00				37.200	117.320		C				BRK	3	BRP	3.2 BRP	3.3 BRK						3.3 PAS
1946 DEC 6	6	11:36	0.00	LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP							
1946 DEC 7	7	1:58	0.00				37.300	117.300						RYC										3.5 RYC
1946 DEC 7	7	2:2	29.00				37.300	117.300		D				BRK	5	BRP	4.1 BRP	4.1 BRK						4.1 PAS
1946 DEC 9	9	14:35	17.00				35.767	117.783		C		16.00*		PAS			1.8 BRP	3.0 PAS						3.0 BRK
1946 DEC 26	26	5:28	1.00				35.700	118.000		D		16.00*		PAS			1.2 BRP	2.5 PAS						
1947 JAN 12	12	22:10	0.00				36.600	117.150		D				BRK										
1947 JAN 14	14	2:47	48.00				37.230	117.370		C				BRK										
1947 JAN 14	14	2:50	11.00				37.230	117.370		C				BRK										
1947 FEB 18	18	5:30	3.00				35.700	118.000		C		16.00*		PAS			1.2 BRP	2.5 PAS						
1947 FEB 2	2	7:30	42.00				35.700	117.400		C		16.00*		PAS			1.5 BRP	2.7 PAS						
1947 FEB 2	2	14:1	23.00				35.700	117.400		C		16.00*		PAS			1.7 BRP	2.9 PAS						
1947 FEB 10	10	16:40	52.00				37.700	117.850		C		16.00*		PAS			1.5 BRP	2.7 PAS						
1947 FEB 18	18	7:44	45.00				37.150	117.383		C		16.00*		PAS										3.4 BRK
1947 MAR 9	9	21:10	45.18				35.813	117.669		C		0.90		PAS	5	BRK	3.2 BRP	4.0 PAS						4.0 BRK

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE												
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1947 MAR 12	23:54:	10.00					35.700	118.000		C		16.00*		PAS	—		1.8	BRP	3.0	PAS						
1947 MAR 29	6: 5:	0.00					35.750	118.000		D		16.00*		PAS	4	PDX	0.9	BRP	2.3	PAS						
1947 MAR 30	13:29:	0.00					35.750	118.000		D		16.00*		PAS	1	BRP	2.1	BRP	3.2	PAS						
1947 MAY 7	12:56:	36.87					35.649	117.936		B		4.00*		PAS	1	BRP	2.6	BRP	3.6	PAS						
1947 MAY 19	4:42:	34.00		LM			36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1947 MAY 19	5: 9:	4.00		LM			36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1947 JUN 6	16:58:	11.00		LM			36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1947 JUN 17	14:28:	0.00		LM			36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1947 JUN 19	20: 7:	41.00		LM			36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1947 JUN 20	4: 2:	19.00		LM			36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1947 JUL 19	1:15:	0.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1947 JUL 19	4:35:	0.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1947 JUL 19	9:55:	0.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1947 JUL 27	5:21:	0.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1947 AUG 30	22:45:	0.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP	4.5	RWL						
1947 AUG 16	7:53:	18.00					35.833	116.383		C		16.00*		PAS	—		1.5	BRP	2.7	PAS						
1947 AUG 23	0: 0:	1.00		LM			36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1947 AUG 23	11:39:	26.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1947 SEP 23	6:20:	40.00					37.150	116.000				16.00*		PAS	3	BRP	3.5	BRP	3.5	PAS					3.5	RYC
1947 SEP 25	13:57:	56.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1947 SEP 25	13:59:	54.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1947 SEP 26	21:10:	0.00		LM			36.000	114.800		H				BRP	2	BRP	2.3	BRP								
1947 SEP 30	3: 5:	23.00		LM			36.000	114.800		H				BRP	2	BRP	2.3	BRP								
1947 SEP 30	4:24:	55.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1947 OCT 30	21:58:	0.00		LM			36.000	114.800		H				BRP	5	BRP	4.3	BRP							4.3	RYC
1947 OCT 9	8:36:	48.00					36.700	116.000		D		16.00*		PAS	3	BRP	3.5	BRP	3.6	PAS					3.6	BRK
1947 OCT 21	10:44:	40.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1947 OCT 28	23:59:	37.00					35.967	117.667		B		16.00*		PAS	1	BRP	2.1	BRP	3.2	PAS					3.2	BRK
1947 NOV 3	15:55:	17.00					35.917	117.533		B		16.00*		PAS	1	BRP	2.2	BRP	3.3	PAS					3.3	BRK
1947 DEC 16	23: 8:	43.00					35.750	117.500		D		16.00*		PAS	—		1.5	BRP	2.7	PAS						
1947 DEC 19	2:36:	41.00					36.350	117.483		C		16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS					3.5	BRK
1948 JAN 1	6: 6:	36.00					35.700	117.717		C		16.00*		PAS	—		1.3	BRP	2.6	PAS						
1948 JAN 4	1:30:	35.00					35.833	117.733		C		16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS					3.5	BRK
1948 JAN 9	8:10:	43.00		LM			36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1948 FEB 1	8:49:	3.00		LM			36.000	114.800		H				BRP	2	BRP	2.3	BRP								
1948 FEB 3	11:25:	49.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1948 FEB 6	13:14:	13.00					37.220	117.900		C				BRK	5	BRK	3.4	BRP	4.2	BRK					4.2	PAS
1948 FEB 7	10:55:	48.00					37.220	117.900		C				BRK	1	BRP	2.2	BRP	3.3	BRK					3.3	PAS
1948 FEB 10	11:15:	0.00					37.500	117.800		D				BRK	4	BRP	3.7	BRP								
1948 FEB 20	23: 6:	25.00		LM			36.000	114.800		H				BRK	2	BRP	2.3	BRP								
1948 FEB 29	23:30:	3.00		LM			36.000	114.800		H				BRP	2	BRP	2.3	BRP								
1948 MAR 24	10: 3:	55.00		LM			36.000	114.800		H				BRP	2	BRP	2.3	BRP								
1948 APR 12	11:34:	0.00					35.750	118.000		D		16.00*		PAS	—		0.5	BRP	2.0	PAS						
1948 APR 28	6: 7:	1.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1948 MAY 2	18:39:	38.00		LM			36.000	114.800		H				BRP	2	BRP	2.3	BRP								
1948 MAY 3	10:32:	25.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1948 MAY 3	14:41:	6.00		LM			36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1948 MAY 7	8:18:	49.00		LM			36.000	114.800		H				BRP	3	BRP	3.0	BRP								

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY				MAGNITUDE														
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1948	MAY	8	7:27	34.00		LM	—	—	36.000	114.800	—	H	—	—	—	—	3	BRP	3.0	BRP	—	—	—	—	—	—	—	—
1948		9	0:23	59.00		LM	—	—	36.000	114.800	—	H	—	—	—	—	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—
1948		9	18:53	4.00		LM	—	—	36.000	114.800	—	H	—	—	—	—	5	BRP	4.3	BRP	—	—	—	—	—	—	4.3	RYC
1948		9	19:23	59.00		LM	—	—	36.000	114.800	—	H	—	—	—	—	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1948		14	10:55	46.00		LM	—	—	36.000	114.800	—	H	—	—	—	—	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1948		16	17:22	48.00		LM	—	—	36.000	114.800	—	H	—	—	—	—	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1948		22	8:19	10.00		LM	—	—	36.000	114.800	—	H	—	—	—	—	1	BRP	1.7	BRP	—	—	—	—	—	—	—	—
1948		26	19:35	12.20		LM	—	—	35.680	117.955	—	A	—	16.00*	—	PAS	2	BRP	3.3	BRP	—	—	—	—	—	—	—	—
1948	JUN	9	13:24	34.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1948		17	0:53	47.00		LM	—	—	36.117	117.867	—	B	—	16.00*	—	PAS	1	BRP	2.4	BRP	—	—	—	—	—	—	3.4	BRK
1948		17	0:55	49.00		LM	—	—	36.117	117.867	—	B	—	16.00*	—	PAS	—	—	1.8	BRP	—	—	—	—	—	—	3.0	BRK
1948		17	1:10	14.00		LM	—	—	36.117	117.867	—	B	—	16.00*	—	PAS	—	—	1.3	BRP	—	—	—	—	—	—	2.6	BRK
1948	JUL	1	12:8	0.00		LM	—	—	36.500	117.000	—	D	—	—	—	BRK	—	—	—	—	—	—	—	—	—	—	—	—
1948		6	13:21	0.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—
1948		6	13:25	0.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—
1948		15	5:32	49.00		LM	—	—	35.750	117.917	—	C	—	16.00*	—	PAS	—	—	1.8	BRP	—	—	—	—	—	—	—	—
1948		20	6:42	56.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1948	AUG	29	11:25	57.00		LM	—	—	36.800	116.550	—	C	—	16.00*	—	PAS	3	BRP	3.4	BRP	—	—	—	—	—	—	3.4	BRK
1948		30	19:2	21.00		LM	—	—	36.550	116.167	—	C	—	16.00*	—	PAS	4	BRP	4.0	BRP	—	—	—	—	—	—	4.0	BRK
1948	SEP	1	5:42	17.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—
1948		5	21:16	38.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1948	OCT	1	1:11	21.00		LM	—	—	36.833	116.450	—	D	—	16.00*	—	PAS	3	BRP	3.5	BRP	—	—	—	—	—	—	3.6	BRK
1948		12	17:59	29.00		LM	—	—	35.667	117.667	—	D	—	16.00*	—	PAS	—	—	1.6	BRP	—	—	—	—	—	—	—	—
1948		24	22:6	37.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1948		25	15:56	29.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1948	NOV	2	16:48	8.00		LM	—	—	35.983	114.783	—	H	—	—	—	PDX	6	PDX	—	—	—	—	—	—	—	—	—	—
1948		2	17:58	34.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—
1948		2	23:47	25.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1948		4	12:8	55.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—
1948		5	23:32	38.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1948		9	0:6	31.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1948		22	0:37	6.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1948		27	22:5	35.00		LM	—	—	35.717	117.833	—	C	—	16.00*	—	PAS	1	BRP	2.2	BRP	—	—	—	—	—	—	—	—
1948	DEC	12	20:44	55.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	JAN	7	3:37	5.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—
1949		7	4:4	28.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949		7	15:11	32.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3	BRP	3.0	BRP	—	—	—	—	—	—	—	—
1949		10	15:8	30.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949		28	10:6	23.00		LM	—	—	36.367	116.917	—	C	—	16.00*	—	PAS	1	BRP	2.1	BRP	—	—	—	—	—	—	3.2	BRK
1949	FEB	4	10:30	45.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949		6	15:56	17.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949		11	21:5	23.30		LM	—	—	36.983	117.805	—	—	—	8.00*	—	GDY	6	BRK	5.5	BRP	—	—	—	—	—	—	5.6	BRK
1949		12	5:25	56.00		LM	—	—	37.000	117.750	—	C	—	—	—	BRK	6	PDX	—	—	—	—	—	—	—	—	3.8	PAS
1949	APR	10	23:45	46.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949		14	5:15	58.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—
1949	MAY	4	16:19	47.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949		11	5:30	19.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—
1949		18	9:11	19.00		LM	—	—	35.733	117.850	—	C	—	16.00*	—	PAS	1	BRP	2.0	BRP	—	—	—	—	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE														
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1949	MAY	22	11:	5:	45.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—
1949	MAY	24	10:	45:	49.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3	BRP	3.0	BRP	—	—	—	—	—	—	—	—
1949	MAY	27	4:	22:	33.00	—	—	—	35.833	117.717	—	B	—	16.00*	—	PAS	—	—	1.8	BRP	3.0	PAS	—	—	—	—	3.0	BRK
1949	JUN	14	4:	54:	12.00	—	—	—	36.050	117.333	—	C	—	16.00*	—	PAS	1	BRP	2.5	BRP	3.5	PAS	—	—	—	—	3.5	BRK
1949	JUN	16	6:	24:	28.00	—	—	—	36.333	116.833	—	B	—	16.00*	—	PAS	1	BRP	—	—	3.7	PAS	—	—	—	—	3.7	BRK
1949	JUL	9	20:	31:	34.00	—	—	—	35.783	117.983	—	B	—	16.00*	—	PAS	—	—	1.8	BRP	3.0	PAS	—	—	—	—	3.0	BRK
1949	JUL	15	3:	31:	53.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	JUL	20	5:	2:	41.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	JUL	20	8:	9:	14.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	JUL	20	20:	37:	58.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	JUL	21	7:	9:	8.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	JUL	21	19:	42:	17.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	JUL	22	9:	34:	30.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3	BRP	3.0	BRP	—	—	—	—	—	—	—	—
1949	JUL	23	4:	29:	8.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	JUL	29	8:	14:	6.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	AUG	2	11:	46:	41.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	AUG	8	11:	12:	13.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3	BRP	3.0	BRP	—	—	—	—	—	—	—	—
1949	AUG	11	9:	22:	26.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	AUG	17	2:	55:	54.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	AUG	17	21:	41:	44.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3	BRP	3.0	BRP	—	—	—	—	—	—	—	—
1949	AUG	21	5:	38:	23.00	LM	—	—	37.070	117.220	—	C	—	—	—	BRK	4	BRP	—	—	3.8	BRK	—	—	—	—	3.8	PAS
1949	AUG	22	5:	44:	59.00	—	—	—	36.000	114.800	—	H	—	16.00*	—	PAS	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—
1949	AUG	30	3:	20:	43.00	—	—	—	35.833	116.667	—	C	—	16.00*	—	PAS	—	—	1.5	BRP	2.7	PAS	—	—	—	—	2.7	BRK
1949	AUG	30	20:	56:	45.00	—	—	—	36.583	117.617	—	C	—	16.00*	—	PAS	—	—	1.8	BRP	3.0	PAS	—	—	—	—	3.0	BRK
1949	OCT	8	5:	34:	31.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—
1949	OCT	9	7:	28:	46.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3	BRP	—	—	—	—	—	—	—	—
1949	OCT	30	6:	9:	55.00	—	—	—	35.833	117.583	—	C	—	16.00*	—	PAS	—	—	0.5	BRP	2.0	PAS	—	—	—	—	2.0	BRK
1949	NOV	23	13:	20:	1.00	—	—	—	35.850	117.800	—	B	—	16.00*	—	PAS	—	—	1.3	BRP	2.6	PAS	—	—	—	—	2.6	BRK
1949	DEC	6	22:	7:	4.00	—	—	—	38.300	117.700	—	D	—	16.00*	—	BRK	—	—	—	—	3.7	BRK	—	—	—	—	3.7	RYC
1949	DEC	8	20:	44:	41.00	—	—	—	36.917	117.250	—	C	—	16.00*	—	PAS	1	BRP	—	—	3.3	PAS	—	—	—	—	3.3	BRK
1949	DEC	9	4:	34:	49.00	—	—	—	36.067	117.667	—	B	—	16.00*	—	PAS	1	BRP	—	—	3.1	PAS	—	—	—	—	3.1	BRK
1949	DEC	12	1:	13:	6.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	1	BRP	1.7	BRP	—	—	—	—	—	—	—	—
1949	DEC	14	17:	32:	21.00	—	—	—	37.870	116.330	—	C	—	—	—	BRK	4	BRP	—	—	3.9	PAS	—	—	—	—	3.9	BRK
1949	DEC	19	3:	30:	8.00	—	—	—	35.767	118.000	—	C	—	16.00*	—	PAS	—	—	1.2	BRP	2.5	PAS	—	—	—	—	2.5	BRK
1949	DEC	25	9:	41:	6.00	—	—	—	36.133	117.950	—	B	—	16.00*	—	PAS	—	—	0.7	BRP	2.1	PAS	—	—	—	—	2.1	BRK
1949	DEC	25	22:	2:	30.00	—	—	—	36.133	117.950	—	B	—	16.00*	—	PAS	—	—	—	—	1.6	PAS	—	—	—	—	1.6	BRK
1949	JAN	31	6:	16:	6.00	—	—	—	35.850	117.583	—	B	—	16.00*	—	PAS	—	—	0.8	BRP	2.2	PAS	—	—	—	—	2.2	BRK
1950	JAN	9	22:	30:	8.00	—	—	—	35.683	117.883	—	C	—	16.00*	—	PAS	—	—	—	—	2.8	PAS	—	—	—	—	—	—
1950	JAN	13	5:	7:	19.00	—	—	—	37.017	116.483	—	H	—	—	—	FDX	—	—	—	—	4.1	PDX	—	—	—	—	—	—
1950	JAN	13	15:	36:	34.00	LM	—	—	36.000	114.800	—	C	—	—	—	BRP	3	BRP	3.0	BRP	—	—	—	—	—	—	—	—
1950	JAN	20	4:	0:	0.00	—	—	—	36.150	117.933	—	C	—	16.00*	—	PAS	—	—	0.4	BRP	1.9	PAS	—	—	—	—	1.9	BRK
1950	JAN	21	21:	55:	1.00	—	—	—	36.300	117.833	—	C	—	16.00*	—	PAS	—	—	0.3	BRP	1.8	PAS	—	—	—	—	1.8	BRK
1950	JAN	28	12:	10:	5.00	—	—	—	36.083	117.400	—	C	—	16.00*	—	PAS	—	—	0.8	BRP	2.2	PAS	—	—	—	—	2.2	BRK
1950	JAN	28	22:	36:	21.00	—	—	—	35.833	117.600	—	B	—	16.00*	—	PAS	—	—	1.3	BRP	2.6	PAS	—	—	—	—	2.6	BRK
1950	JAN	28	22:	45:	11.00	—	—	—	35.783	117.533	—	C	—	16.00*	—	PAS	—	—	0.7	BRP	2.1	PAS	—	—	—	—	2.1	BRK
1950	FEB	2	13:	57:	49.00	—	—	—	35.900	117.933	—	C	—	16.00*	—	PAS	—	—	0.1	BRP	1.7	PAS	—	—	—	—	1.7	BRK
1950	FEB	2	14:	7:	2.00	—	—	—	36.033	117.550	—	C	—	16.00*	—	PAS	1	BRP	—	—	1.3	PAS	—	—	—	—	1.3	BRK
1950	FEB	6	18:	33:	43.00	LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7	BRP	—	—	—	—	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE												
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1950 FEB 12	1	5:31.00					36.300	117.833		C		16.00*		PAS			0.1 BRP		1.7 PAS						1.7 BRK	
1950 FEB 12	3	17:3.00					36.300	117.833		C		16.00*		PAS					1.6 PAS						1.6 BRK	
1950 FEB 27	5	12:32.00					36.500	116.533		C		16.00*		PAS			1.8 BRP		3.0 PAS						3.0 BRK	
1950 MAR 12	23	11:28.00					36.100	117.900		C		16.00*		PAS					1.6 PAS						1.6 BRK	
1950 MAR 20	12	16:39.00					35.767	117.550		C		16.00*		PAS	1	BRP	2.1 BRP		3.2 PAS						3.2 BRK	
1950 MAR 22	6	44:40.00		LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP									
1950 APR 22	14	39:40.00					36.133	117.950		B		16.00*		PAS			0.3 BRP		1.8 PAS						1.8 BRK	
1950 APR 1	23	48:15.00					36.167	117.883		B		16.00*		PAS	4	BRK	1.5 BRP		2.7 PAS						2.7 BRK	
1950 APR 4	9	40:52.00					37.167	117.917		B		16.00*		PAS			1.2 BRP		2.5 PAS						2.5 BRK	
1950 APR 17	12	15:32.00					35.700	118.000		C		16.00*		PAS	4	FOX	1.7 BRP		2.9 PAS							
1950 APR 30	15	59:4.00					36.083	117.967		B		16.00*		PAS	4	BRK			3.1 PAS						3.1 BRK	
1950 MAY 7	8	36:26.00		LM			36.000	114.800		H				BRP	5	BRP	4.3 BRP								4.3 RYC	
1950 JUN 5	19	2:50.00		LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP									
1950 JUN 4	2	51:49.00		LM			36.000	114.800		H				BRP	1	BRP	1.7 BRP									
1950 JUN 4	15	4:0.00		LM			36.000	114.800		H				BRP	1	BRP	1.7 BRP									
1950 JUN 7	6	0:0.00		LM			36.000	114.800		H				BRP	1	BRP	1.7 BRP									
1950 JUN 11	11	3:10.00		LM			36.000	114.800		H				BRP	1	BRP	1.7 BRP									
1950 JUN 13	11	42:8.00		LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP									
1950 JUN 14	14	39:59.00		LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP									
1950 JUN 14	20	26:54.00		LM			36.000	114.800		H				BRP	3	BRP	3.0 BRP									
1950 JUN 15	3	53:45.00		LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP									
1950 JUN 25	3	14:50.00		LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP									
1950 AUG 23	16	48:16.00		LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP									
1950 SEP 7	8	7:26.00					35.750	117.583		C		16.00*		PAS	1	BRP	2.1 BRP		3.2 PAS							
1950	9	12:23:0.00					35.833	117.700		C		16.00*		PAS			1.1 BRP		2.4 PAS						2.4 BRK	
1950	12	13:57:1.00					35.833	117.700		C		16.00*		PAS			1.3 BRP		2.6 PAS						2.6 BRK	
1950	13	7:14:29.00					36.000	117.583		C		16.00*		PAS			1.6 BRP		2.8 PAS						2.8 BRK	
1950 OCT 6	11	5:8.00					36.017	117.750		B		16.00*		PAS			1.5 BRP		2.7 PAS						2.7 BRK	
1950	6	11:47:54.00					36.017	117.750		B		16.00*		PAS			0.9 BRP		2.3 PAS						2.3 BRK	
1950	6	14:52:0.00					36.017	117.750		B		16.00*		PAS	4	BRK	1.7 BRP		2.9 PAS						2.9 BRK	
1950	6	14:55:24.00					36.017	117.750		B		16.00*		PAS			0.7 BRP		2.1 PAS						2.1 BRK	
1950	6	16:38:57.00					36.017	117.750		B		16.00*		PAS			0.5 BRP		2.0 PAS						2.0 BRK	
1950	13	3:48:34.00		LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP									
1950	19	23:13:7.00					35.717	117.917		C		16.00*		PAS	1	BRP			3.2 PAS							
1950	26	23:51:39.00		LM			36.000	114.800		H				BRP	1	BRP	1.7 BRP									
1950	31	20:28:18.00		LM			36.000	114.800		H				BRP	1	BRP	1.7 BRP									
1950 NOV 6	18	26:58.00					36.583	115.667		C		16.00*		PAS	4	BRP			3.8 PAS						3.8 BRK	
1950	17	21:15:31.00					36.000	116.417		C		16.00*		PAS			1.3 BRP		2.6 PAS						2.6 BRK	
1950	18	4:57:52.00					36.000	116.417		C		16.00*		PAS	1	BRP			3.5 PAS						3.5 BRK	
1950	23	22:18:4.00					36.133	117.967		B		16.00*		PAS	1	BRP	0.1 BRP		1.4 PAS						1.4 BRK	
1950	25	7:18:36.00					35.783	117.567		C		16.00*		PAS			0.8 BRP		2.2 PAS						2.2 BRK	
1950	25	10:34:53.00					36.133	117.967		B		16.00*		PAS			0.3 BRP		1.8 PAS						1.8 BRK	
1950	26	5:52:52.00					36.033	117.767		C		16.00*		PAS			0.5 BRP		2.0 PAS						2.0 BRK	
1950	26	17:56:20.00					36.133	117.883		D		16.00*		PAS			1.2 BRP		2.5 PAS						2.5 BRK	
1950 DEC 3	21	34:7.00		LM			36.000	114.800		H				BRP	1	BRP	1.7 BRP									
1950	4	9:27:42.00					35.783	118.000		B		16.00*		PAS			1.7 BRP		2.9 PAS						2.9 BRK	
1950	4	9:34:30.00		LM			36.000	114.800		H				BRP	2	BRP	2.3 BRP									
1950	20	9:37:18.00					36.117	117.983		B		16.00*		PAS			0.8 BRP		2.2 PAS						2.2 BRK	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE														
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1950	DEC	26	8:17:37.00						36.767	115.900		C		16.00*		PAS	3	BRP	3.5	BRP	3.6	PAS					3.6	BRK
1950	DEC	29	13:12:51.00						35.800	117.950		C		16.00*		PAS			1.1	BRP	2.4	PAS					2.4	BRK
1951	JAN	4	14: 3:57.00						37.300	118.000		C				BRK	1	BRP	2.9	BRP	3.8	BRK					3.8	PAS
1951	JAN	4	14: 6: 6.00						37.300	118.000		C				BRK			1.7	BRP	2.9	BRK					2.9	PAS
1951	JAN	29	9:46:27.00						36.400	117.433		B		16.00*		PAS	1	BRP	2.1	BRP	3.2	PAS					3.2	BRK
1951	JAN	30	15:34: 2.00						35.850	116.433		C		16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1951	FEB	5	13:30:58.00				LM		36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1951	FEB	8	15:14:31.00						35.850	116.433		C		16.00*		PAS			1.6	BRP	2.8	PAS					2.8	BRK
1951	FEB	9	15:46:58.00				LM		36.000	114.800		H				BRP	2	BRP	2.3	BRP								
1951	FEB	10	16: 6:12.00				LM		36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1951	FEB	11	14:45:23.00				LM		36.000	114.800		H				BRP	2	BRP	2.3	BRP								
1951	FEB	11	15:48:16.00				LM		36.000	114.800		H				BRP	2	BRP	2.3	BRP								
1951	MAR	14	23:13:23.00				LM		36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1951	MAR	31	2: 1:54.00						36.033	117.800		B		16.00*		PAS	4	BRK	1.5	BRP	2.7	PAS					2.7	BRK
1951	APR	24	12:51:34.00						36.733	116.000		C		16.00*		PAS	2	BRP	3.0	BRP	3.0	PAS					3.0	BRK
1951	JUN	12	3:13: 9.00						36.167	117.867		B		16.00*		PAS			0.7	BRP	2.1	PAS					2.1	BRK
1951	JUN	12	14:16: 3.00						36.167	117.867		B		16.00*		PAS			0.5	BRP	2.0	PAS					2.0	BRK
1951	JUN	12	22:21:21.00						36.167	117.867		B		16.00*		PAS	4	BRK	2.0	BRP	3.1	PAS					3.1	BRK
1951	JUL	13	19:39:36.00						36.167	117.867		B		16.00*		PAS	4	BRK	1.1	BRP	2.4	PAS					2.4	BRK
1951	JUL	14	9:26: 1.00				LM		36.400	116.950		C		16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1951	JUL	14	22:32:59.00				LM		36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1951	JUL	15	6:18:21.00				LM		36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1951	JUL	15	15:43:28.00				LM		36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1951	JUL	16	5:52:55.32						37.085	117.213				8.00*		GDY	5	BRP	4.5	BRP	4.5	BRK					4.5	PAS
1951	JUL	16	7:27: 3.00						37.080	117.080		C				BRK	2	BRP	3.0	BRP	3.0	BRK					3.0	PAS
1951	JUL	16	14:48:19.00						37.080	117.080		C				BRK	3	BRP	3.0	BRP	3.1	BRK					3.1	PAS
1951	JUL	16	19:52:55.00						38.000	116.500		D				BRP												
1951	JUL	17	7:58:31.00				LM		36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1951	JUL	25	19:45:41.68						35.772	117.948		A		12.40		PAS	5	BRK	4.0	BRP	4.6	PAS					4.6	BRK
1951	JUL	26	1:26:39.12						35.761	117.953		A		8.10		PAS	4	BRK	3.7	BRP	4.4	PAS					4.4	BRK
1951	JUL	26	2: 0:31.00						35.783	117.950		B		16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS					3.5	BRK
1951	JUL	26	2: 6:14.90						35.774	117.859		B		8.30		PAS	1	BRP	2.6	BRP	3.6	PAS					3.6	BRK
1951	JUL	1	0:16:18.72						35.745	117.984		A		4.40		PAS	3	BRK	2.8	BRP	3.7	PAS					3.7	BRK
1951	JUL	1	0:57:19.00						35.783	117.950		B		16.00*		PAS			1.5	BRP	2.7	PAS					2.7	BRK
1951	JUL	2	17:59:16.00						35.783	117.950		B		16.00*		PAS			1.7	BRP	2.9	PAS					2.9	BRK
1951	JUL	3	19: 8: 0.00						35.783	117.950		B		16.00*		PAS			1.8	BRP	3.0	PAS					3.0	BRK
1951	JUL	14	22:47:53.00						35.783	117.950				16.00*		PAS			1.7	BRP	2.9	PAS					2.9	BRK
1951	JUL	18	23:32: 1.00						35.783	117.950				16.00*		PAS			1.7	BRP	2.9	PAS					2.9	BRK
1951	JUL	28	11:29:38.00						35.783	117.950		B		16.00*		PAS	1	BRP	2.5	BRP	3.5	PAS					3.5	BRK
1951	AUG	13	19:51:44.00				LM		36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1951	AUG	13	23: 9:23.00				LM		36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1951	AUG	18	1:17:12.00				LM		36.000	114.800		H				BRP	2	BRP	2.3	BRP								
1951	SEP	23	12: 4: 7.00				LM		36.000	114.800		H				BRP	3	BRP	3.0	BRP								
1951	SEP	29	4:39:35.00				LM		36.000	114.800		H				BRP	4	BRP	3.7	BRP								
1951	SEP	30	16:54: 1.00						36.133	118.000		B		16.00*		PAS			1.1	BRP	2.4	PAS					2.4	BRK
1951	SEP	22	8:50: 4.00				LM		36.000	114.800		H				BRP	2	BRP	2.3	BRP								
1951	SEP	24	0:45:17.00				LM		36.000	114.800		H				BRP	2	BRP	2.3	BRP								
1951	OCT	4	9:27:45.00				LM		36.000	114.800		H				BRP	2	BRP	2.3	BRP								

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE														
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	MB	REF	OTH	REF
1951 OCT 19	16:57:22.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3 BRP	—	—	—	—	—	—	—	—	—
1951 OCT 24	17:27:19.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	—
1951 NOV 6	1:27:48.00			—	—	—	35.667	118.000	—	C	—	16.00*	—	PAS	—	—	1.7 BRP	—	2.9 PAS	—	—	—	—	—	—	
1951 NOV 18	19:38:18.00			—	—	—	35.767	118.000	—	C	—	16.00*	—	PAS	—	—	1.8 BRP	—	3.0 PAS	—	—	—	—	—	3.0 BRK	
1951 DEC 30	17:11:36.00			—	—	—	36.050	117.817	—	C	—	16.00*	—	PAS	—	—	1.5 BRP	—	2.7 PAS	—	—	—	—	—	2.7 BRK	
1952 JAN 10	5:32: 0.00			—	—	—	36.133	117.950	—	B	—	16.00*	—	PAS	4	BRK	1.7 BRP	—	2.9 PAS	—	—	—	—	—	2.9 BRK	
1952 JAN 14	0: 7:30.00			—	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 JAN 24	12:55:46.00			LM	—	—	35.700	116.267	—	C	—	16.00*	—	PAS	—	—	1.2 BRP	—	2.5 PAS	—	—	—	—	—	—	
1952 FEB 29	1:13:16.00			—	—	—	37.150	117.050	—	C	—	—	—	BRK	3	BRP	3.2 BRP	—	3.3 BRK	—	—	—	—	—	3.3 PAS	
1952 FEB 3	2:25:16.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 FEB 10	6:16.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	—	—	—	—	—	—	—	—	—	—	—	
1952 FEB 8	8:59: 5.00			LM	—	—	36.000	114.700	—	D	—	16.00*	—	PAS	5	BRP	2.4 BRP	—	3.4 PAS	—	—	—	—	—	3.4 RYC	
1952 FEB 9	8:21:31.00			—	—	—	37.000	117.950	—	C	—	—	—	BRK	—	—	1.2 BRP	—	2.5 BRK	—	—	—	—	—	2.5 PAS	
1952 FEB 9	8:43:30.92			—	—	—	36.607	117.905	—	C	—	8.00*	—	PAS	6	BRK	3.3 BRP	—	4.1 PAS	—	—	—	—	—	4.1 BRK	
1952 FEB 9	8:54:46.00			—	—	—	36.667	117.850	—	C	—	16.00*	—	PAS	1	BRP	2.8 BRP	—	3.7 PAS	—	—	—	—	—	3.7 BRK	
1952 FEB 9	19:44:25.00			—	—	—	36.667	117.850	—	C	—	16.00*	—	PAS	1	BRP	2.8 BRP	—	3.7 PAS	—	—	—	—	—	3.7 BRK	
1952 FEB 9	19:50:16.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 FEB 10	9:14:47.00			—	—	—	35.717	117.083	—	C	—	16.00*	—	PAS	—	—	1.6 BRP	—	2.8 PAS	—	—	—	—	—	—	
1952 FEB 12	20:37: 7.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3 BRP	—	—	—	—	—	—	—	—	
1952 FEB 13	14: 0:11.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 FEB 14	7:23:11.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 FEB 14	22:19:11.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3	BRP	3.0 BRP	—	—	—	—	—	—	—	—	
1952 FEB 15	19: 4: 9.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 FEB 20	13:24:37.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3	BRP	3.0 BRP	—	—	—	—	—	—	—	—	
1952 FEB 20	13:41:11.00			LM	—	—	36.000	114.700	—	D	—	16.00*	—	PAS	6	PDX	5.0 BRP	—	3.6 PAS	—	—	—	—	—	5.0 RWL	
1952 FEB 20	14:36:41.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 FEB 21	11:46:34.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 FEB 21	14:20:10.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 FEB 21	17:58: 9.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3 BRP	—	—	—	—	—	—	—	—	
1952 FEB 22	16:58:13.00			—	—	—	35.667	118.000	—	B	—	16.00*	—	PAS	—	—	1.8 BRP	—	3.0 PAS	—	—	—	—	—	—	
1952 FEB 28	19:25:17.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3	BRP	3.0 BRP	—	—	—	—	—	—	—	—	
1952 MAR 4	17: 0: 0.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3 BRP	—	—	—	—	—	—	—	—	
1952 MAR 12	14:14:59.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 MAR 26	11:14:31.00			LM	—	—	35.950	117.817	—	C	—	16.00*	—	PAS	1	BRP	2.2 BRP	—	3.3 PAS	—	—	—	—	—	3.3 BRK	
1952 MAR 26	15:31:34.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 APR 8	18:44:24.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3 BRP	—	—	—	—	—	—	—	—	
1952 MAY 24	4:15:15.44			LM	—	—	35.939	114.732	—	—	—	8.00*	—	GDY	6	PDX	—	—	4.9 PAS	—	—	—	—	—	5.0 KKG	
1952 MAY 24	4:48:12.00			LM	—	—	36.100	114.700	—	D	—	16.00*	—	PAS	4	BRP	3.7 BRP	—	2.7 PAS	—	—	—	—	—	—	
1952 MAY 24	9:52:52.00			LM	—	—	36.100	114.700	—	D	—	16.00*	—	PAS	—	—	3.7 BRP	—	3.8 PAS	—	—	—	—	—	—	
1952 MAY 25	13: 6: 1.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	—	—	—	—	—	—	—	—	—	
1952 MAY 25	13: 6:30.00			LM	—	—	36.100	114.700	—	D	—	16.00*	—	PAS	—	—	—	—	3.9 PAS	—	—	—	—	—	—	
1952 MAY 27	9: 1: 2.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 JUN 30	23:21:30.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3 BRP	—	—	—	—	—	—	—	—	
1952 JUN 1	3:18:55.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	
1952 JUN 2	9:36:33.00			STZ	—	—	36.867	115.883	—	C	—	16.00*	—	PAS	3	BRP	3.5 BRP	—	3.6 PAS	—	—	—	—	—	—	
1952 JUN 4	5:25:16.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3 BRP	—	—	—	—	—	—	—	—	
1952 JUN 12	10:51:22.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2	BRP	2.3 BRP	—	—	—	—	—	—	—	—	
1952 JUN 13	1:48: 5.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER				INTENSITY				MAGNITUDE							
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	MS REF	ML REF	MD REF	mb REF	OTH REF
1952 JUN 13	5	2:23.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2.3 BRP	—	—	—	—
1952 JUN 15	15:23:31.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2.3 BRP	—	—	—	—
1952 JUN 20	1: 2: 6.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.0 BRP	—	—	—	—
1952 JUL 12	11:22: 6.00			LM	—	—	36.000	114.800	—	H	—	—	—	PAS	3.8 PAS	3.8 PAS	—	—	3.8 BRK
1952 JUL 21	15:51:39.00			—	—	—	35.983	117.933	—	C	—	16.00*	—	BRK	2.1 BRP	3.2 PAS	—	—	3.2 PAS
1952 AUG 10	14:37:50.00			—	—	—	37.320	117.620	—	C	—	—	—	—	—	—	—	—	—
1952 JUN 14	19:41:14.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 JUN 24	3: 2: 5.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 JUN 29	2:51:13.00			—	—	—	35.933	117.683	—	B	—	16.00*	—	PAS	2.5 BRP	3.5 PAS	—	—	3.5 BRK
1952 JUN 29	6:43:28.00			—	—	—	35.950	117.633	—	B	—	16.00*	—	PAS	1.7 BRP	2.9 PAS	—	—	2.9 BRK
1952 SEP 13	17:45: 0.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 SEP 30	9: 0: 0.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 OCT 1	1:37:38.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.0 BRP	—	—	—	—
1952 OCT 3	4:12: 0.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 OCT 5	17:24:44.00			—	—	—	35.900	117.700	—	D	—	16.00*	—	PAS	1.6 BRP	2.8 PAS	—	—	2.8 BRK
1952 OCT 9	21: 5:34.00			—	—	—	35.917	117.667	—	C	—	16.00*	—	PAS	2.4 BRP	3.4 PAS	—	—	3.4 BRK
1952 OCT 16	20:19: 3.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 OCT 18	0: 0: 0.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 OCT 18	19:55: 0.00			LM	—	—	36.000	114.800	—	—	—	—	—	USE	—	4.0 RWL	—	—	—
1952 OCT 19	0: 0: 0.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 OCT 20	7:26:39.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	5.0 BRP	—	—	—	4.9 RYC
1952 OCT 24	4:19:48.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2.3 BRP	—	—	—	—
1952 OCT 26	0:52:34.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 OCT 27	9:35: 5.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 OCT 31	11:14:33.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 NOV 1	23:35:48.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 NOV 2	12:18: 2.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 NOV 5	6:18:38.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 NOV 6	20: 5:10.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 NOV 24	9: 1:23.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2.3 BRP	—	—	—	—
1952 NOV 27	14:28:55.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.0 BRP	—	—	—	—
1952 NOV 29	1:34:15.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 DEC 7	2:49:38.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1952 DEC 29	21:52:48.00			LM	—	—	36.000	118.000	—	D	—	—	—	BRK	—	3.6 BRK	—	—	3.6 RYC
1953 JAN 29	18:48:15.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	2.3 BRP	—	—	—	—
1953 FEB 16	3:11:58.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	1.7 BRP	—	—	—	—
1953 FEB 26	3:38:14.00			—	—	—	35.817	118.000	—	B	—	16.00*	—	PAS	2.5 BRP	3.5 PAS	—	—	3.5 BRK
1953 FEB 28	20:45: 5.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.0 BRP	—	—	—	—
1953 MAR 2	20:46:40.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1953 MAR 10	3: 5:20.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.7 BRP	—	—	—	—
1953 MAR 25	2:35:46.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.0 BRP	—	—	—	—
1953 MAR 26	3: 4:45.00			LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3.0 BRP	—	—	—	—
1953 MAR 27	20:36:36.00			—	—	—	35.767	117.983	—	B	—	16.00*	—	PAS	2.2 BRP	3.3 PAS	—	—	3.3 BRK
1953 MAR 27	20:37: 8.64			—	—	—	35.704	117.883	—	C	—	9.90	—	PAS	2.6 BRP	3.6 PAS	—	—	3.6 BRK
1953 MAR 27	22:27: 2.00			—	—	—	35.767	117.983	—	B	—	16.00*	—	PAS	2.0 BRP	3.1 PAS	—	—	3.1 BRK
1953 MAR 30	6:28:55.00			—	—	—	35.883	117.650	—	C	—	16.00*	—	PAS	1.7 BRP	3.2 PAS	—	—	3.2 BRK
1953 MAR 30	7:15:15.00			—	—	—	35.883	117.650	—	C	—	16.00*	—	PAS	2.0 BRP	3.1 PAS	—	—	3.1 BRK
1953 APR 7	1:12: 1.00			—	—	—	37.900	117.800	—	D	—	—	—	BRK	3.5 BRP	3.5 BRK	—	—	3.5 RYC

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER				INTENSITY				MAGNITUDE										
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF
1953 APR 10	23:40:	8.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	1	BRP	—	—	—	—	—	—
1953 MAY 3	23:43:	32.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	1	BRP	1.7 BRP	—	—	—	—	—
1953 MAY 6	0:51:	31.00		—	—	—	37.067	118.000	—	B	—	16.00*	—	PAS	1	BRP	2.4 BRP	—	—	—	—	3.4 BRK
1953 MAY 12	22:51:	13.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	1	BRP	1.7 BRP	—	—	—	—	—
1953 MAY 18	7: 3:	0.00		LM	—	—	36.000	114.500	—	D	—	16.00*	—	PAS	1	BRP	1.7 BRP	—	—	—	—	—
1953 MAY 20	5:35:	29.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—
1953 MAY 22	18:28:	58.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	1	BRP	1.7 BRP	—	—	—	—	—
1953 MAY 24	4:48:	8.00		LM	—	—	36.100	114.800	—	—	—	—	—	RYC	4	RYC	—	—	—	—	—	—
1953 MAY 25	3:24:	55.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	1	BRP	1.7 BRP	—	—	—	—	—
1953 JUL 1	1: 3:	54.00		—	—	—	36.000	117.667	—	B	—	16.00*	—	PAS	—	—	2.0 BRP	—	—	—	—	2.0 BRK
1953 JUL 12	17:19:	35.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	0.5 BRP	—	—	—	—	—
1953 JUL 13	1:42:	24.00		—	—	—	36.900	116.100	—	D	—	16.00*	—	PAS	3	BRP	3.4 BRP	—	—	—	—	3.4 RYC
1953 JUL 13	13: 0:	0.00		—	—	—	37.500	117.700	—	D	—	—	—	BRK	3	BRK	—	—	—	—	—	—
1953 JUL 30	21: 7:	34.00		—	—	—	35.783	116.950	—	B	—	16.00*	—	PAS	1	BRP	2.6 BRP	—	—	—	—	3.6 BRK
1953 JUL 31	2:56:	51.00		—	—	—	35.800	116.967	—	B	—	16.00*	—	PAS	1	BRP	2.2 BRP	—	—	—	—	3.3 BRK
1953 AUG 9	22: 0:	2.00		—	—	—	37.500	114.500	—	D	—	—	—	BRP	5	BRP	3.8 BRP	—	—	—	—	4.5 KKG
1953 SEP 16	15:41:	21.00		—	—	—	37.330	117.000	—	C	—	—	—	BRK	4	BRP	3.9 BRP	—	—	—	—	3.9 PAS
1953 SEP 19	6:35:	7.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3	BRP	3.0 BRP	—	—	—	—	—
1953 SEP 28	15: 8:	46.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3	BRP	3.0 BRP	—	—	—	—	—
1953 OCT 9	22:21:	13.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—
1953 OCT 10	3:15:	28.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	3	BRP	3.0 BRP	—	—	—	—	—
1953 OCT 11	9:48:	48.00		—	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—
1953 NOV 17	12:17:	20.00		—	—	—	36.233	117.950	—	B	—	16.00*	—	PAS	—	—	3.0 PAS	—	—	—	—	3.0 BRK
1953 NOV 24	5:46:	5.42		—	—	—	35.712	116.954	—	—	—	8.00*	—	GDY	4	BRK	4.9 PAS	—	—	—	—	4.9 BRK
1953 NOV 24	12:53:	14.00		—	—	—	35.883	116.967	—	C	—	16.00*	—	PAS	1	BRP	2.2 BRP	—	—	—	—	3.3 BRK
1953 NOV 28	13:31:	12.00		—	—	—	35.883	116.967	—	B	—	16.00*	—	PAS	1	BRP	2.5 BRP	—	—	—	—	3.5 BRK
1953 NOV 29	14:57:	49.00		—	—	—	36.350	117.933	—	C	—	16.00*	—	PAS	—	—	1.7 BRP	—	—	—	—	2.9 BRK
1953 DEC 4	7:44:	17.00		—	—	—	35.883	116.967	—	C	—	16.00*	—	PAS	1	BRP	2.6 BRP	—	—	—	—	3.6 BRK
1953 DEC 16	7: 3:	9.00		—	—	—	35.633	117.350	—	C	—	16.00*	—	PAS	—	—	1.5 BRP	—	—	—	—	2.4 PAS
1953 DEC 23	3:42:	18.00		—	—	—	37.500	118.000	—	D	—	—	—	BRK	4	BRK	1.1 BRP	—	—	—	—	—
1953 DEC 24	15:55:	33.00		—	—	—	35.983	117.950	—	B	—	16.00*	—	PAS	—	—	1.7 BRP	—	—	—	—	2.9 BRK
1953 DEC 29	23:48:	3.00		—	—	—	35.833	117.000	—	C	—	16.00*	—	PAS	—	—	1.3 BRP	—	—	—	—	2.6 BRK
1954 JAN 7	16: 8:	34.19		—	—	—	35.733	117.628	—	A	—	5.10	—	PAS	1	BRP	2.6 BRP	—	—	—	—	3.6 BRK
1954 JAN 22	9:27:	36.00		—	—	—	37.500	118.000	—	C	—	16.00*	—	BRK	1	BRP	2.4 BRP	—	—	—	—	3.4 PAS
1954 FEB 22	4: 3:	7.00		—	—	—	35.883	116.950	—	B	—	16.00*	—	PAS	1	BRP	2.8 BRP	—	—	—	—	3.7 BRK
1954 MAR 2	0:11:	31.00		—	—	—	35.833	116.833	—	C	—	16.00*	—	PAS	—	—	1.7 BRP	—	—	—	—	2.9 BRK
1954 MAR 18	13:20:	42.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	3.7 BRP	—	—	—	—	—
1954 APR 9	17: 7:	38.00		—	—	—	35.833	116.633	—	C	—	16.00*	—	PAS	2	BRP	3.4 BRP	—	—	—	—	4.2 BRK
1954 APR 17	10:11:	26.00		—	—	—	35.883	116.967	—	B	—	16.00*	—	PAS	1	BRP	2.2 BRP	—	—	—	—	3.3 BRK
1954 APR 17	10:11:	40.00		—	—	—	35.883	116.967	—	B	—	16.00*	—	PAS	2	BRP	3.4 BRP	—	—	—	—	4.2 BRK
1954 APR 20	9:11:	30.00		—	—	—	36.117	117.933	—	B	—	16.00*	—	PAS	4	BRK	1.6 BRP	—	—	—	—	2.8 BRK
1954 APR 20	9:18:	35.00		—	—	—	36.117	117.933	—	B	—	16.00*	—	PAS	4	BRK	2.5 BRP	—	—	—	—	3.5 BRK
1954 APR 28	8:43:	41.00		—	—	—	36.983	117.533	—	B	—	16.00*	—	PAS	1	BRP	2.0 BRP	—	—	—	—	3.1 BRK
1954 MAY 6	15:51:	37.00		—	—	—	35.733	117.983	—	B	—	16.00*	—	PAS	—	—	1.8 BRP	—	—	—	—	—
1954 MAY 22	15:32:	47.00		—	—	—	35.800	116.983	—	B	—	16.00*	—	PAS	—	—	1.7 BRP	—	—	—	—	2.9 BRK
1954 MAY 23	11:20:	57.00		—	—	—	35.817	117.583	—	B	—	16.00*	—	PAS	—	—	1.7 BRP	—	—	—	—	2.9 BRK
1954 MAY 28	8:22:	32.00		—	—	—	36.033	117.700	—	C	—	16.00*	—	PAS	1	BRP	2.0 BRP	—	—	—	—	3.1 BRK
1954 MAY 29	0:23:	29.00		—	—	—	36.033	117.700	—	C	—	16.00*	—	PAS	—	—	1.5 BRP	—	—	—	—	2.7 BRK

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER					INTENSITY			MAGNITUDE														
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	REF	MD	REF	mb	REF	OTH	REF
1954	MAY 29	0	24	4.00				36.033	117.700		C		16.00*		PAS			1.1 BRP	2.4 PAS						2.4 BRK	
1954	JUN 14	20	43	52.00	LM			36.000	114.800		H		8.00*		BRP	3	BRP	3.0 BRP								
1954	JUL 2	10	43	13.30				38.149	116.395				8.00*		GDY	3	RYC		4.9 BRK						4.9 RYC	
1954	JUL 4	2	44	22.00				38.000	115.500		E				BRP	4	BRP	4.0 BRP							4.0 RYC	
1954	JUL 17	22	2	44.26				38.132	116.342				8.00*		GDY				4.3 BRK						4.3 RYC	
1954	JUL 20	0	11	38.29				38.184	116.363				8.00*		GDY				5.0 BRK						5.0 RYC	
1954	JUL 28	18	40	2.00				36.000	114.800		H				BRP	3	BRP	3.0 BRP								
1954	AUG 7	22	33	9.00	LM			35.850	117.633		B		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS						3.5 BRK	
1954	AUG 17	19	33	6.00				38.200	116.400		D				BRK				3.8 BRK						3.8 RYC	
1954	SEP 29	3	47	55.33				37.798	115.713				8.00*		GDY	5	BRP	4.4 BRP							4.4 RYC	
1954	NOV 15	0	20	0.00				37.650	118.000		D				BRK	4	BRK									
1954	NOV 17	7	23	57.36				36.390	117.910		B		9.80		PAS	5	BRK	3.3 BRP	4.1 PAS						4.1 BRK	
1954	DEC 26	8	49	21.00				36.150	117.750		C		16.00*		PAS	5	BRK	2.2 BRP	3.3 PAS						3.3 BRK	
1954	DEC 27	2	33	17.00				36.150	117.750		C		16.00*		PAS	4	BRK	2.1 BRP	3.2 PAS						3.2 BRK	
1955	JAN 4	4	47	54.00				36.167	117.917		C		16.00*		PAS	4	BRK	2.1 BRP	3.2 PAS						3.2 BRK	
1955	JAN 10	10	7	0.00				37.000	114.500		D		16.00*		PAS	5	PDX	3.7 BRP	4.4 PAS						4.4 KKG	
1955	JAN 21	12	21	1.50				36.791	117.980				1.00		PDX	4	PDX		4.0 PDX							
1955	MAR 17	3	30	46.00				36.200	115.200		D				BRP	4	BRP	3.7 BRP								
1955	MAY 25	22	0	28.00				36.133	117.867		B		16.00*		PAS	4	BRK	2.4 BRP	3.4 PAS						3.4 BRK	
1955	AUG 7	10	5	41.78				35.896	117.918		A		1.00*		PAS	1	BRP	2.5 BRP	3.5 PAS						3.5 BRK	
1955	AUG 11	12	23	57.00				35.733	117.583		B		16.00*		PAS	1	BRP	2.0 BRP	3.1 PAS						3.5 RYC	
1955	SEP 6	20	56	11.00				38.500	117.500		D				BRK				3.5 BRK							
1955	NOV 20	10	55	0.00	LM			36.000	114.800		H				BRP											
1956	JAN 9	12	57	1.00				35.667	116.033		C		16.00*		PAS			1.8 BRP	3.0 PAS							
1956	APR 27	22	39	27.00				38.220	118.000		B				BRK				3.4 BRK						3.4 RYC	
1956	MAY 27	14	45	0.00	LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP								
1956	MAY 29	16	2	0.00	LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP								
1956	JUL 11	19	22	5.76				35.729	117.882				8.00*		GDY	4	BRK		4.2 PAS						4.2 BRK	
1956	JUL 23	10	43	35.28				35.946	117.787		A		5.70		PAS	1	BRP	2.4 BRP	3.4 PAS						3.4 BRK	
1956	AUG 12	4	4	6.00				38.100	117.900		D				BRK	4	BRP	4.0 BRP	4.0 BRK						4.0 RYC	
1956	SEP 22	5	6	0.00				35.850	116.600		D				BRK											
1956	OCT 28	14	40	38.00				36.050	117.767		B		16.00*		PAS	1	BRP	2.4 BRP	3.4 PAS						3.4 BRK	
1956	NOV 30	8	23	5.00				36.000	117.000		C		16.00*		PAS			1.7 BRP	2.9 PAS						2.9 BRK	
1957	MAR 8	13	24	57.92				35.687	117.515		A		2.00*		PAS	4	PDX	3.2 BRP	4.0 PAS							
1957	APR 2	19	7	2.16				35.654	117.390		A		1.00*		PAS	1	BRP	2.9 BRP	3.8 PAS							
1957	APR 6	6	2	52.00				35.733	117.217		B		16.00*		PAS	1	BRP	2.0 BRP	3.1 PAS							
1957	AUG 13	4	52	13.00				35.733	117.217		B		16.00*		PAS			1.3 BRP	2.6 PAS							
1957	AUG 31	15	58	8.00				36.183	117.917		B		16.00*		PAS	1	BRP	2.1 BRP	3.2 PAS						3.2 BRK	
1957	OCT 4	12	0	36.90				35.831	117.961				6.00		PDX				3.9 PDX							
1957	NOV 6	9	38	57.00				35.883	117.350		B		16.00*		PAS	1	BRP	2.2 BRP	3.3 PAS						3.3 BRK	
1958	APR 19	9	1	2.00	LM			36.000	114.800		H				BRP	6	BRP	5.0 BRP							4.9 RYC	
1958	MAY 3	17	35	57.00				37.900	118.000		D				BRK	5	BRP	4.1 BRP	4.1 BRK						4.1 PAS	
1958	JUL 25	14	2	13.00				36.033	117.683		C		16.00*		PAS	1	BRP	2.2 BRP	3.3 PAS						3.3 BRK	
1958	AUG 15	18	0	24.00				36.033	117.967		C		16.00*		PAS	1	BRP	2.0 BRP	3.1 PAS						3.1 BRK	
1958	AUG 16	5	44	0.00	LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP								
1958	AUG 17	5	15	0.00	LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP								
1958	AUG 22	12	8	23.00	LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP								
1958	AUG 25	18	33	0.00	LM			36.000	114.800		H				BRP	4	BRP	3.7 BRP								

SGB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE											
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF
1958 OCT 30	23	0	0.00	SIZ	—	—	37.190	116.200	—	—	—	—	—	RYC	—	—	—	—	—	—	—	—
1959 JAN 5	12	36	3.00		—	—	36.133	117.967	—	—	—	—	—	—	ISC	—	—	—	—	—	—	—
1959 JAN 7	0	20	41.00		—	—	35.767	117.583	—	B	—	16.00*	—	PAS	—	1	BRP	2.1 BRP	3.2 PAS	—	—	3.2 BRK
1959 JAN 7	2	7	19.00		—	—	35.767	117.583	—	B	—	16.00*	—	PAS	—	1	BRP	2.0 BRP	3.1 PAS	—	—	3.1 BRK
1959 JAN 7	20	4	40.00		—	—	35.767	117.583	—	B	—	16.00*	—	PAS	—	1	BRP	2.0 BRP	3.1 PAS	—	—	3.1 BRK
1959 JAN 9	6	41	5.00	—	—	—	35.767	117.583	—	—	—	16.00*	—	PAS	—	1	BRP	2.2 BRP	3.3 PAS	—	—	3.3 BRK
1959 JAN 12	12	36	6.00	—	—	—	36.150	117.983	—	—	—	—	—	ISC	—	—	—	—	—	—	—	—
1959 JAN 16	0	10	6.00	—	—	—	36.133	117.983	—	—	—	—	—	ISC	—	—	—	—	—	—	—	—
1959 JAN 19	21	46	0.00	—	—	—	36.133	117.967	—	—	—	—	—	ISC	—	—	—	—	—	—	—	—
1959 JAN 28	18	9	4.00	—	—	—	36.800	116.200	—	C	—	16.00*	—	PAS	4	BRP	4.0 BRP	4.0 PAS	—	—	4.0 BRK	
1959 FEB 27	16	47	27.00	—	—	—	35.867	117.367	—	C	—	16.00*	—	PAS	—	—	0.5 BRP	2.0 PAS	—	—	—	—
1959 FEB 27	17	1	47.00	—	—	—	35.883	117.233	—	C	—	16.00*	—	PAS	—	—	0.5 BRP	2.0 PAS	—	—	—	—
1959 MAR 5	5	59	37.00	SIZ	—	—	35.617	117.150	—	C	—	16.00*	—	PAS	1	BRP	2.0 BRP	3.1 PAS	—	—	—	—
1959 MAR 13	22	24	18.00		—	—	37.100	116.100	—	D	—	16.00*	—	PAS	—	1	BRP	2.4 BRP	3.5 PAS	—	—	3.5 RYC
1959 APR 24	16	53	10.00		—	—	36.983	117.967	—	C	—	16.00*	—	PAS	—	1	BRP	2.6 BRP	3.6 BRK	—	—	3.6 PAS
1959 APR 25	12	16	25.00		—	—	37.050	118.000	—	B	—	—	—	BRK	1	BRP	3.7 BRP	—	—	—	—	—
1959 JUN 9	10	53	0.00		LM	—	—	36.000	114.800	—	H	—	—	—	BRP	4	BRP	1.5 BRP	2.7 PAS	—	—	2.7 BRK
1959 JUN 18	6	1	40.00	—		—	36.183	118.000	—	B	—	16.00*	—	PAS	—	4	BRK	—	—	—	—	—
1959 JUL 23	6	25	35.00	—	—	—	36.150	117.970	—	B	—	—	—	BRK	—	—	—	3.8 BRK	—	—	—	—
1959 JUL 16	10	31	45.00	—	—	—	38.500	118.000	—	D	—	—	—	BRK	—	—	—	3.4 BRK	—	—	—	—
1959 JUL 21	0	36	42.00	—	—	—	36.600	117.133	—	C	—	16.00*	—	PAS	1	BRP	2.5 BRP	3.5 PAS	—	—	3.4 RYC	
1959 AUG 28	11	52	38.00	—	—	—	38.000	118.000	—	E	—	—	—	BRP	5	BRP	4.3 BRP	—	—	—	—	—
1959 SEP 15	11	36	24.00	—	—	—	36.033	117.833	—	B	—	16.00*	—	PAS	1	BRP	2.0 BRP	3.1 PAS	—	—	3.1 BRK	
1959 SEP 17	8	11	15.78	—	—	—	35.937	117.907	—	A	—	1.00*	—	PAS	1	BRP	2.9 BRP	3.8 PAS	—	—	3.8 BRK	
1959 SEP 17	8	37	57.00	SIZ	—	—	36.033	117.833	—	B	—	16.00*	—	PAS	—	—	1.8 BRP	3.0 PAS	—	—	3.0 BRK	
1959 SEP 17	15	37	3.00		—	—	36.000	117.833	—	C	—	16.00*	—	PAS	—	—	1.8 BRP	3.0 PAS	—	—	3.0 BRK	
1959 SEP 26	1	57	23.00		—	—	35.917	117.450	—	C	—	16.00*	—	PAS	—	1	BRP	2.1 BRP	3.2 PAS	—	—	3.2 BRK
1959 OCT 27	0	21	50.00		—	—	36.033	117.917	—	C	—	16.00*	—	PAS	—	—	1.8 BRP	3.0 PAS	—	—	3.0 BRK	
1959 OCT 1	11	53	3.00		—	—	35.683	117.583	—	C	—	16.00*	—	PAS	—	1	BRP	0.9 BRP	2.3 PAS	—	—	3.0 BRK
1959 OCT 15	10	19	56.38	—	—	—	35.790	117.668	—	A	—	2.70	—	PAS	1	BRP	2.6 BRP	3.6 PAS	—	—	3.6 BRK	
1959 OCT 19	5	45	12.00	SIZ	—	—	35.783	117.550	—	B	—	16.00*	—	PAS	1	BRP	2.0 BRP	3.1 PAS	—	—	3.1 BRK	
1959 OCT 21	0	6	45.00		—	—	38.000	118.000	—	D	—	—	—	—	BRK	4	BRP	3.7 BRP	3.8 BRK	—	—	—
1959 OCT 21	6	6	45.00		—	—	38.000	118.000	—	—	—	—	—	—	RYC	—	—	—	—	—	—	—
1959 OCT 24	16	9	33.00		—	—	35.750	117.883	—	B	—	16.00*	—	PAS	—	—	1.7 BRP	2.9 PAS	—	—	—	—
1959 OCT 24	19	58	20.60		—	—	35.753	117.999	—	—	—	5.00	—	PDX	—	—	—	3.4 PDX	—	—	—	—
1959 OCT 29	20	28	14.00	—	—	—	35.700	118.000	—	B	—	16.00*	—	PAS	1	BRP	2.0 BRP	3.1 PAS	—	—	—	—
1959 NOV 12	14	51	4.00	SIZ	—	—	35.683	117.967	—	B	—	16.00*	—	PAS	—	—	1.8 BRP	3.0 PAS	—	—	—	—
1959 NOV 16	12	5	34.90		—	—	35.733	118.000	—	C	—	10.00*	—	PDX	—	—	1.7 BRP	2.8 PDX	—	—	—	—
1959 NOV 16	12	15	23.00		—	—	35.750	118.000	—	C	—	16.00*	—	PAS	—	—	1.7 BRP	2.9 PAS	—	—	—	—
1959 NOV 23	20	2	41.00		—	—	35.783	117.600	—	B	—	16.00*	—	PAS	—	1	BRP	2.0 BRP	3.1 PAS	—	—	3.1 BRK
1959 DEC 24	11	24	12.00		—	—	37.000	116.000	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	4.3 KKG	—
1960 JAN 11	19	8	40.00	—	—	—	37.167	117.983	—	B	—	16.00*	—	PAS	1	BRP	2.8 BRP	3.7 PAS	—	—	3.7 BRK	
1960 JAN 12	14	51	4.00	SIZ	—	—	38.470	117.880	—	C	—	—	—	BRK	—	—	—	4.2 BRK	—	—	4.2 RYC	
1960 JAN 16	15	27	21.00		—	—	38.470	117.880	—	C	—	—	—	—	BRK	—	—	—	4.1 BRK	—	—	4.1 RYC
1960 JAN 16	4	17	19.40		—	—	36.654	115.946	—	C	—	8.00*	—	GOY	6	BRP	4.9 BRP	4.9 BRK	—	—	4.9 PAS	
1960 MAR 26	9	58	11.00		—	—	35.967	117.367	—	C	—	16.00*	—	RYC	—	—	1.8 BRP	3.0 PAS	—	—	3.0 BRK	
1960 MAY 9	6	42	31.00		—	—	37.750	117.750	—	—	—	—	—	—	RYC	—	—	—	—	—	2.0 RYC	
1960 AUG 17	9	5	48.00	—	—	—	36.150	117.970	—	B	—	—	—	BRK	—	—	—	3.1 BRK	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE										
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	MD	REF	mb	REF	OTH	REF
1960 OCT 16	23	5	59.00				35.750	117.333		C		16.00*		PAS	1	BRP	2.4 BRP	3.4 PAS						
1960 NOV 13	7	52	58.00				35.750	118.000		B		16.00*		PAS	1	BRP	2.4 BRP	3.4 PAS						
1961 JAN 1	14	27	26.00				35.717	118.000		B		16.00*		PAS	1	BRP	2.0 BRP	3.1 PAS						
1961 JAN 28	17	2	11.10				35.770	117.962				7.00		PDX				3.6 PDX						
1961 MAR 27	9	0	38.95				36.743	116.178				8.00*		GDY	5	BRP	4.4 BRP	4.4 PAS					4.4 BRK	
1961 MAR 27	9	15	6.00				36.600	116.300		D		16.00*		PAS	3	BRP	3.5 BRP	3.6 PAS					3.6 BRK	
1961 APR 11	18	23	19.00				38.470	117.830		B				BRK				3.4 BRK						
1961 APR 25	21	58	44.83				36.202	117.853		B		1.00*		PAS			1.8 BRP	3.0 PAS					3.0 BRK	
1961 APR 26	1	30	25.00				36.217	118.000		B		16.00*		PAS			1.5 BRP	2.7 PAS					2.7 BRK	
1961 MAY 2	10	11	56.00				35.717	117.417		B		16.00*		PAS			1.8 BRP	3.0 PAS						
1961 MAY 29	1	48	43.00				35.683	117.717		B		16.00*		PAS	1	BRP	2.5 BRP	3.5 PAS						
1961 JUL 20	16	25	48.00				37.970	117.870		C				BRK				3.4 BRK						
1961 AUG 28	13	12	30.00				35.737	117.966				2.00		PDX	1	BRP	2.2 BRP	3.3 PDX						
1961 AUG 6	13	57	13.98				35.965	116.907		C		8.20		PAS	1	BRP	2.2 BRP	3.3 PAS					3.3 BRK	
1961 SEP 28	8	28	29.48				35.782	117.418		B		1.00*		PAS	2	BRP	3.0 BRP	3.9 PAS					3.9 BRK	
1961 OCT 1	17	16	32.00				36.500	117.000		D				BRK	2	BRP	3.4 BRP	4.2 BRK						
1961 OCT 1	17	16	41.00				37.500	117.830		C				BRK	4	BRP	3.7 BRP	3.8 BRK					3.8 PAS	
1961 OCT 2	7	4	0.00				37.500	117.830		C				BRK	3	BRP	3.0 BRP	3.1 BRK					3.1 PAS	
1961 OCT 2	12	49	37.00				37.000	117.620		C				BRK	3	BRP	3.0 BRP	3.5 BRK					3.1 PAS	
1961 OCT 2	16	22	28.00				37.470	117.530		B				BRK	3	BRP	3.2 BRP	3.7 BRK					3.3 PAS	
1961 OCT 13	11	49	47.72				35.745	117.240		B		9.10		PAS	1	BRP	2.1 BRP	3.2 PAS					3.3 PAS	
1961 OCT 19	5	1	1.93				35.833	117.813		B		3.00*		PAS	1	BRP	2.4 BRP	3.4 PAS					3.4 BRK	
1961 OCT 19	5	9	44.71				35.864	117.891				8.00*		GDY	7	PDX	5.1 BRP	5.2 PAS					5.2 BRK	
1961 OCT 19	6	29	56.00				35.833	117.767		C		16.00*		PAS			0.5 BRP	2.0 PAS						
1961 OCT 24	6	31	6.00				37.600	117.900		D				BRK				3.2 BRK						
1961 OCT 31	0	42	95				36.459	117.957		C		1.60		PAS	1	BRP	2.5 BRP	3.5 PAS					3.6 BRK	
1961 NOV 1	17	2	47.32				36.167	117.781		B		12.50		PAS			1.6 BRP	2.8 PAS					2.8 BRK	
1961 NOV 26	2	38	2.00				35.833	116.367		C		16.00*		PAS	1	BRP	2.6 BRP	3.6 PAS					3.6 BRK	
1961 DEC 3	23	27	6.00	CPDX			37.045	116.028						PDX										
1961 DEC 19	21	53	7.00				37.700	117.800		D				BRK				3.4 BRK						
1961 DEC 22	5	47	0.00				35.800	116.400		D		16.00*		PAS	1	BRP	2.9 BRP	3.8 PAS					3.8 BRK	
1962 JAN 19	2	0	34.99				35.808	117.575		B		1.00*		PAS			1.5 BRP	2.7 PAS					2.7 BRK	
1962 JAN 21	10	15	11.20				37.420	115.010						ALX									2.4 ALX	
1962 MAR 5	18	0	0.10	SIZ			37.111	116.048						PDX										
1962 MAR 15	11	36	9.00				36.600	115.900		D		16.00*		PAS	2	BRP	3.0 BRP	3.0 PAS					3.0 BRK	
1962 MAR 30	16	51	50.50				35.960	115.260						ALX									2.1 ALX	
1962 APR 31	13	27	14.20				38.100	115.940						ALX									2.4 ALX	
1962 APR 15	14	24	25.20				38.160	115.920						ALX									2.3 ALX	
1962 APR 23	4	20	10.50				38.170	116.000						ALX									2.9 ALX	
1962 APR 23	5	45	42.50				38.200	116.040						ALX									1.8 ALX	
1962 APR 23	6	48	47.00				37.840	117.070						ALX									2.3 ALX	
1962 APR 23	9	2	7.70				37.480	115.120						ALX									2.5 ALX	
1962 MAY 29	18	45	0.70				38.230	116.030						ALX									2.5 ALX	
1962 MAY 6	6	50	19.60				36.850	115.640						ALX									1.9 ALX	
1962 MAY 8	19	30	33.99				36.032	117.689		B		1.00*		PAS			1.7 BRP	2.9 PAS					2.9 BRK	
1962 JUN 14	13	41	59.20				36.090	115.250						ALX									2.6 ALX	
1962 JUN 6	19	46	2.90				37.770	117.650		C				BRK				3.7 BRK						
1962 JUN 24	18	17	53.00				36.183	117.750		C		16.00*		PAS	1	BRP	2.0 BRP	3.1 PAS					3.1 BRK	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY				MAGNITUDE														
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1962	JUN	24	18:18:28.00						36.183	117.750		C		16.00*		PAS	1	BRP	2.0	BRP	3.1	PAS					3.1	BRK	
1962	JUL	8	15:58:15.80						37.700	115.200		C		33.00*		BRP													
1962	AUG	17	11: 3:53.66						35.949	117.981		B		5.40		PAS	1	BRP	2.1	BRP	3.2	PAS					3.2	BRK	
1962	SEP	19	18:50:30.60						35.800	118.000		B				BRK	1	BRP	2.0	BRP	3.1	BRK							
1962		20	17:12:38.70						37.430	115.650						ALX											3.5	ALX	
1962		23	21:29:44.00						37.600	117.400		D				BRK	3	BRP	3.0	BRP	3.1	BRK					3.1	PAS	
1962	OCT	17	17:20:34.90						35.900	114.760						ALX											3.0	ALX	
1962		25	17:34:53.90						36.230	115.190						BRK											2.7	ALX	
1962	NOV	13	6:35:30.40					16	37.700	117.920		C				ALX					3.7	BRK					2.9	ALX	
1962		16	20:15:50.20						37.120	114.960						ALX											3.5	ALX	
1962		27	11:44:11.90						37.590	114.750						ALX											2.4	ALX	
1962	DEC	8	7:22: 7.00						37.410	117.430						ALX													
1963	JAN	1	10:28: 7.70					8	36.970	117.070		C				BRK				1.7	BRP	3.6	BRK						
1963		1	18:37:49.52						36.073	117.963		B		5.10		PAS					2.9	PAS					2.9	BRK	
1963		7	12: 9:54.20						36.980	117.450						ALX											2.5	ALX	
1963		25	7:31:49.60						37.240	117.260						ALX													
1963	FEB	27	12:57:50.00					5	35.920	117.760		D				BRK	1	BRP	2.5	BRP	3.5	BRK							
1963	MAR	25	9:28:42.77						36.018	114.771				8.00*		GDY	6	PDX	5.0	BRP	4.9	PAS			4.3	PDX	4.6	KKG	
1963		26	4:29:42.00						36.000	114.900		D		16.00*		PAS						3.2	PAS				3.2	RYC	
1963	APR	1	20:37: 9.00						36.100	114.800				16.00*		PAS						3.3	PAS				3.3	RYC	
1963		2	9:40:45.00						36.200	114.900						PAS						3.3	PAS				3.3	RYC	
1963		18	17:30: 9.60						37.780	117.400		B				ALX										2.4	ALX		
1963		19	3:21: 9.66						35.772	117.992				5.40		PAS	1	BRP	2.6	BRP	3.6	PAS					3.6	BRK	
1963		23	8:13: 0.00						36.000	115.000						CVH	5	CVH			4.0	RML							
1963		26	4:18:48.00						36.000	114.900		D		16.00*		PAS					3.2	PAS					3.2	RYC	
1963		27	2:29:18.60						37.340	114.900						ALX											2.0	ALX	
1963		27	3: 0:15.40						37.220	117.230						ALX											2.2	ALX	
1963		27	9:57:55.20						37.210	117.180						ALX											2.5	ALX	
1963		29	9:30:36.00						38.000	117.300		D		16.00*		PAS					3.3	PAS					3.3	RYC	
1963	MAY	4	10:48: 8.60						37.260	115.940						ALX											2.7	ALX	
1963		6	14:43:14.50						36.820	116.110						ALX											2.5	ALX	
1963		13	19:25: 9.90						36.300	114.610						ALX											2.5	ALX	
1963		16	16: 9:56.00						36.150	117.840						ALX											2.1	ALX	
1963		18	7:17:42.90						36.480	115.740						ALX											1.8	ALX	
1963		18	20:58:52.50						36.100	114.700		C		5.00*		BRP													
1963		21	18:38:55.00						38.330	115.020						ALX										4.4	PDX	1.9	ALX
1963		24	10:44:52.70						37.530	115.380						ALX											2.5	ALX	
1963		25	0:39:47.10						37.240	116.160						ALX											2.2	ALX	
1963		26	10:10:13.10						37.680	115.000						ALX											1.7	ALX	
1963		26	19:44:50.00					12	38.200	118.000						BRK					3.7	BRK							
1963		29	15:12:42.20						37.050	116.120						ALX											2.6	ALX	
1963	JUN	5	22: 1:27.10						36.840	115.330						ALX											2.9	ALX	
1963		11	18:17: 8.20						36.170	114.690						ALX											2.2	ALX	
1963	JUL	7	16:55:11.60						38.190	115.790						ALX											1.8	ALX	
1963		9	7:56:24.10						37.670	115.880						ALX											2.6	ALX	
1963		11	18:30: 4.50						37.030	115.960						ALX											2.1	ALX	
1963		18	4: 1:16.30						37.200	115.600		C		25.00*		BRP	4	BRP	3.0	BRP						3.9	PDX	3.9	KKG
1963		18	6:33:24.10						37.200	115.500		C		25.00*		BRP										3.9	PDX		

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE														
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1963	JUL	20	11:48:35.70						37.500	117.620						ALX											1.9 ALX	
1963		20	19:13:5.90						37.100	115.600				25.00*		BRP	5	BRP	4.0	BRP					4.1	PDX	4.1 KKG	
1963		26	4:57:20						37.120	115.450						ALX											2.5 ALX	
1963		28	23:46:39.40						37.370	115.320						ALX											2.4 ALX	
1963	AUG	14	19:2:33.90						36.610	115.590						ALX											2.6 ALX	
1963		24	10:49:6.89						36.128	117.688				8.10		PAS	1	BRP	2.4	BRP	3.4	PAS			3.7	PDX		
1963		24	19:58:34.40						36.167	117.640				2.00*		PAS	1	BRP	2.2	BRP	3.3	PAS					3.3 BRK	
1963		26	22:45:59.20						36.097	117.856				10.90		PAS			0.9	BRP	2.3	PAS					2.3 BRK	
1963	SEP	1	15:39:0.00						37.500	115.600				16.00*		PAS					3.4	PAS						
1963		14	12:28:13.50						35.819	117.973				5.00		PDX												
1963	OCT	8	20:1:22.60						37.480	115.070						ALX											3.1 ALX	
1963		8	22:41:31.20						37.250	115.250						ALX											2.4 ALX	
1963		9	8:17:37.20						37.180	114.760						ALX											1.8 ALX	
1963		28	5:35:15.94						35.992	117.914				1.00*		PAS			1.5	BRP	2.7	PAS					2.7 BRK	
1963	NOV	4	1:32:37.49						35.754	117.730				1.00*		PAS	1	BRP	2.2	BRP	3.3	PAS						
1963		8	21:53:45.20						36.244	117.850				1.00*		PAS			1.3	BRP	2.6	PAS					2.6 BRK	
1963		8	23:29:43.34						35.820	117.619				1.00*		PAS	1	BRP	2.4	BRP	3.4	PAS					3.4 BRK	
1963		16	11:58:41.50						38.100	117.000				0.00*		KKG											4.0 KKG	
1963		16	12:56:36.40						38.200	117.100				0.00*		KKG												
1963		16	14:23:43.20						38.100	117.000				0.00*		KKG												
1963		16	16:48:10.20					2	38.000	117.000				0.00*		KKG	5	BRP	4.0	BRP	4.0	BRK			4.0	PDX	3.7 KKG	
1963		16	17:40:2.70						38.100	117.000				0.00*		KKG												
1963		16	19:17:55.70						38.000	117.100				15.00*		BRP												
1963		16	22:51:25.80						38.000	117.000				15.00*		BRP	5	BRP	4.0	BRP					4.1	PDX	4.1 KKG	
1963		17	2:32:49.00						38.000	117.100				15.00*		BRP												
1963	DEC	6	13:54:22.12						36.449	117.910				1.00*		PAS	4	BRK	2.9	BRP	3.8	PAS			4.1	PDX	3.8 BRK	
1964		16	18:8:40.20				CPDX		37.100	116.000						PDX												
1964	JAN	23	16:39:45.30				CPDX	7	37.000	116.000						PDX												
1964		28	10:43:55.10					11	38.480	117.810						BRK												
1964		30	16:0:1.80				SIZ		37.126	116.130				8.00*		GDY												
1964		6	16:17:49.54				HE		37.303	116.247				8.00*		GDY												
1964		12	15:37:59.52				SIZ		37.030	116.121				8.00*		GDY												
1964		13	15:30:2.10				SIZ		37.142	115.985				8.00*		GDY												
1964		13	16:20:35.00					5	36.500	117.000						ISC												
1964		15	2:7:12.00						36.167	118.000				16.00*		PAS			1.2	BRP	2.5	PAS					2.5 BRK	
1964		15	15:47:9.13						36.986	117.949				8.00*		GDY											3.5 GDY	
1964		18	15:37:20.60				SIZ		37.045	116.007				8.00*		GDY									4.7	ISC	4.7 GDY	
1964		18	15:51:46.77				CSNL		36.965	115.961				8.00*		GDY												
1964		18	17:17:15.00				SIZ	4	37.100	116.100						ISC												
1964		20	16:48:8.50				CPDX		37.200	116.000						PDX												
1964		22	3:31:25.90						37.000	116.500				33.00*		BRP												
1964		22	12:44:19.13						36.634	116.401				8.00*		GDY												
1964		24	10:53:52.75						35.756	116.620				10.40		PAS	1	BRP	2.5	BRP	3.5	PAS					3.5 BRK	
1964		25	18:40:25.41				HE		36.953	116.466				8.00*		GDY												
1964		27	18:17:54.60				HE		37.200	116.500				30.00*		BRP												
1964	MAR	5	20:33:44.00					3	36.600	116.800						ISC												
1964		10	1:56:19.00						36.600	116.900				33.00*		ISC												
1964		12	15:0:2.70				SIZ		37.076	115.940				8.00*		GDY												

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE															
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1964	MAR 17	22:58:55.00					5	36.000	116.900						ISC													
1964	MAR 21	14:53:26.00					3	37.400	117.800						ISC													
1964	MAR 24	18:45:5.00					4	36.500	116.000						ISC													
1964	MAR 28	3:33:46.83						35.824	114.919				8.00*		GDY	4	PDX	3.7	BRP									
1964	APR 16	8:3:20.06			LM			36.181	114.658				8.00*		GDY													
1964	APR 17	16:17:6.00					6	36.100	115.800				33.00*		ISC													
1964	APR 25	7:20:13.01			CSNL			37.080	116.053				8.00*		GDY					4.9	ISC				4.9	GDY		
1964	APR 29	20:57:14.80			CSNL			37.040	116.030						ISC													
1964	MAY 6	13:45:41.00					3	37.300	114.700						ISC											2.4	ALX	
1964	MAY 7	12:39:24.10						36.310	115.060						PDX													
1964	MAY 14	14:44:6.40			CPDX		5	37.000	116.100						PDX													
1964	MAY 15	16:25:39.30			CPDX		9	37.100	115.900																			
1964	MAY 29	1:11:7.78						37.343	114.595				8.00*		GDY	4	BRP	3.0	BRP					3.5	BRP	3.6	KKG	
1964	MAY 30	18:35:51.16						37.179	115.563				8.00*		GDY													
1964	JUN 8	2:6:22.00					6	38.000	116.200						ISC													
1964	JUN 12	14:1:1.44						37.026	116.037				8.00*		GDY													
1964	JUN 15	6:24:18.00					3	37.500	115.500				8.00*		ISC													
1964	JUN 15	12:1:31.63						37.456	114.656						GDY													
1964	JUN 15	16:4:3.20						37.430	117.940				8.00*		ALX											2.7	ALX	
1964	JUN 18	13:30:1.95						37.181	116.114						GDY													
1964	JUN 24	15:6:18.00					9	36.800	116.700				33.00*		ISC													
1964	JUN 25	14:8:38.00			CSNL		10	37.100	116.100				33.00*		ISC													
1964	JUL 7	6:39:21.62						36.084	117.601				1.00*		PAS	1	BRP	2.2	BRP			3.3	PAS			3.3	BRK	
1964	JUL 8	3:15:24.30						37.340	115.110						ALX											2.1	ALX	
1964	JUL 16	14:18:6.40			CPDX			37.200	116.100						PDX													
1964	JUL 31	9:42:35.70					4	36.700	117.000						ISC													
1964	AUG 21	22:3:51.60						37.000	115.000				33.00*		BRP	4	BRP	3.0	BRP					3.8	PDX	3.8	KKG	
1964	AUG 24	1:20:36.00					4	37.000	116.500						ISC													
1964	AUG 30	6:41:15.10						37.220	115.050						ALX													
1964	SEP 4	18:35:4.30			CPDX			37.000	116.000						PDX													
1964	SEP 11	14:0:0.00					5	37.200	114.800						ISC													
1964	SEP 16	5:34:29.22						37.114	114.910				8.00*		GDY													
1964	SEP 22	6:5:0.00			LM			36.000	114.900						BRP													
1964	SEP 23	17:9:38.84			LM			35.940	114.829				8.00*		GDY	5	PDX	4.0	BRP		4.4	PAS		4.4	PDX	4.4	KKG	
1964	SEP 24	7:17:22.70			LM			35.950	114.640						ALX											2.2	ALX	
1964	SEP 30	5:1:16.80			LM			35.900	114.720						ALX											2.3	ALX	
1964	OCT 4	21:31:4.70						37.310	114.800						ALX											2.7	ALX	
1964	OCT 16	16:9:40.43						35.939	117.275				8.00*		GDY													
1964	OCT 30	17:44:56.52						37.992	117.838				8.00*		GDY					3.5	BRK				3.5	GDY		
1964	OCT 30	17:50:38.00					14	37.500	117.500						BRK					4.1	BRK							
1964	OCT 30	19:1:43.99						37.505	117.860				8.00*		GDY											3.5	GDY	
1964	OCT 30	19:3:9.30					14	37.500	117.800						BRK	6	PDX	5.0	BRP		4.5	BRK		4.4	PDX	4.5	PAS	
1964	OCT 30	19:14:25.00					6	37.500	117.900				33.00*		ISC													
1964	OCT 30	19:19:45.00					5	37.800	117.800						ISC													
1964	OCT 30	19:40:28.75						37.835	117.823				8.00*		GDY					3.5	BRK					3.5	PAS	
1964	OCT 30	23:2:59.50						37.700	118.000				20.00*		BRP	5	BRP	4.0	BRP					4.0	BRP			
1964	OCT 31	11:57:31.70						38.200	117.800						BRK											3.7	BRK	
1964	OCT 31	18:41:22.52						36.733	116.720				8.00*		GDY												3.5	PAS

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER				INTENSITY				MAGNITUDE										
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF
1964 OCT 31	19:35:24.70						38.000	117.800						BRK	4	BRP	3.0	BRP	4.0	PDX	4.0	PAS
1964 OCT 31	21:37:27.11						38.001	117.814				8.00*		GDY								
1964 NOV 1	19: 2:27.31						37.498	117.824				8.00*		GDY								
1964	20:41: 7.70						38.000	117.700						BRK	4	BRP	3.0	BRP	3.8	PDX	3.5	PAS
1964	1:15:53.90			LM			36.170	114.730						ALX							2.4	ALX
1964	3:13: 3.10					5	37.100	117.600				33.00*		ISC								
1964	11:38:53.43						37.593	117.981				8.00*		GDY								
1964	14: 4:39.59						38.012	117.731				8.00*		GDY								
1964	18:58:42.23						37.606	117.953				8.00*		GDY	4	BRP	3.5	BRP	4.1	PDX	3.5	PAS
1964	11:53:49.77						37.474	117.937				8.00*		GDY								
1964	20: 7:25.40						37.700	118.000						BRK	3	BRP	3.0	BRP	3.8	PDX	4.0	PAS
1964	5: 4:59.60					14	37.530	117.200						BRK	4	BRP	4.0	BRP	4.2	PDX	4.1	PAS
1964	23:52:10.91						37.614	117.973				8.00*		GDY	2	BRP	3.2	BRP	4.2	PDX	4.0	PAS
1964 DEC 1	15:28:19.60						37.883	117.800				8.00*		GDY	4	BRP	3.0	BRP	3.7	PDX	3.7	GDY
1964	9:17:47.39						37.526	117.979				8.00*		GDY	1	BRP	2.5	BRP	3.9	PDX	3.5	PAS
1964	23:43:42.05						37.938	117.991				8.00*		GDY								
1964	14:11:23.64						38.051	117.797				8.00*		GDY								
1964	23:19:28.50			CPDX			37.100	116.100						PDX								
1964	8:50:26.20						37.610	117.970						ALX							2.4	ALX
1964	16:20:33.99						36.678	117.174				8.00*		GDY								
1964	15: 6: 5.00					4	36.500	117.500						ISC								
1964	8:15:40.03						37.980	117.824				8.00*		GDY	4	BRP	3.0	BRP	3.5	PAS	3.5	GDY
1964	21:56: 3.84			LM			35.914	114.881				8.00*		GDY	3	BRP	3.0	BRP	3.6	PAS	3.6	GDY
1964	22:18:21.70			LM			35.900	114.800			C	5.00*		BRP								
1964	18:42:44.20						37.390	115.112				8.00*		GDY								
1964	21: 0: 0.00						37.100	117.300			G			BRP	3	BRP	3.0	BRP				
1965 JAN 12	1:37:53.74						37.356	117.592				8.00*		GDY								
1965	16:24: 2.00			CSNL		12	37.200	116.200				33.00*		ISC								
1965	17:27: 7.60						35.810	115.170				8.00*		ALX							2.1	ALX
1965	7: 5:52.36						37.808	117.962						GDY								
1965	10:24:37.30						37.210	117.840						BRK	1	BRP	2.5	BRP	3.5	BRK		
1965	18:22: 1.58			SIZ		9	37.027	116.053				8.00*		GDY								
1965	18:26:15.00			CSNL		7	36.600	116.100						ISC								
1965 FEB 3	22:32:25.69						35.842	117.307			B	1.00*		PAS							2.6	BRK
1965	7:24: 8.63						36.191	117.623				5.60		PAS							2.5	BRK
1965	1:35:58.84						37.091	117.859				8.00*		GDY	1	BRP	2.5	BRP	3.5	BRK	3.5	GDY
1965	13:29:19.00					8	37.700	115.900						ISC								
1965	17:49:20.64			CSNL			37.048	116.142				8.00*		GDY						4.0	ISC	
1965 MAR 13	6:49:34.10						36.770	115.640						ALX							2.3	ALX
1965	12:13:41.20						36.730	116.290						ALX							2.3	ALX
1965	15:23:48.90			SIZ			37.100	116.000				10.20*		ISC							3.5	ALX
1965	8:29:42.00					7	35.800	115.400				33.00*		ISC								
1965	16:29:40.17			CSNL			36.715	116.064				8.00*		GDY								
1965	23: 8:22.10						35.920	117.270						ALX							2.2	ALX
1965 APR 5	22: 3:19.00			CSNL		5	37.800	115.000						ISC								
1965	8:41:39.88						36.306	117.795				8.00*		GDY								
1965	21: 22: 7.23.34			CSNL			37.062	116.211				8.00*		GDY								
1965	13:39: 1.82			SIZ			37.080	116.065						GDY								

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY				MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF		
1965 MAY 3	3:30	50.94		LM			35.988	114.750				8.00*			3	BRP	4.2	PAS		3.9	PDX	3.9	KKG	
1965 MAY 14	18:46	24.70		CSNL			37.060	116.010				8.00*								3.8	PDX	3.8	KKG	
1965 MAY 15	6:25	2.68		LM			35.947	114.774				8.00*			3	BRP								
1965 MAY 19	11:50	39.13					38.333	115.918				8.00*												
1965 MAY 21	13:51	51.80		CPDX			37.100	116.000				8.00*												
1965 MAY 21	17:50	33.27					37.854	117.785				8.00*												
1965 MAY 25	0:48	11.43					37.109	117.228				8.00*			4	BRP	3.0	BRK		3.8	PDX	3.8	KKG	
1965 MAY 28	8:18	49.83					37.026	117.329				8.00*			4	BRP	3.0	BRK		3.8	PDX	3.8	KKG	
1965 JUN 1	6:30	10.50					37.340	116.010				33.00*											2.3	ALX
1965 JUN 5	14:12	43.00				5	38.000	117.900				8.00*												
1965 JUN 18	8:14	1.04		SIZ			37.286	116.059				8.00*			3	BRP	3.0	BRP		3.3	PDX	3.3	KKG	
1965 JUN 30	4: 2: 5.20						37.470	116.360															2.1	ALX
1965 JUL 1	15:16	51.90					36.990	116.810															2.8	ALX
1965 JUL 2	3:46	26.90					37.190	116.700															2.5	ALX
1965 JUL 22	13:21	10.10		SIZ			37.200	115.980				11.20*											2.4	ALX
1965 JUL 24	0:42	5.40		CPDX			37.100	116.000				1.00*											3.0	BRK
1965 AUG 7	16:34	7.23					36.027	117.964		B						1.8	BRP	3.0	PAS				2.6	ALX
1965 SEP 19	16:20	0.00					36.060	117.890																
1965 NOV 17	3:45	41.00					37.530	115.160							4	BRP	3.0	PAS					2.2	ALX
1965 NOV 17	9:41	28.30					37.600	115.200				16.00*								3.7	PDX	3.7	KKG	
1965 DEC 14	11:39	33.62		CPDX			35.967	117.727		C		50.00*				0.8	BRP	2.2	PAS				2.2	BRK
1965 DEC 16	21:42	55.00					37.100	116.100				1.00*											2.8	BRK
1965 DEC 24	5:47	36.21					35.791	116.875		C		8.10			1	BRP	2.5	PAS		4.0	PDX	4.0	BRK	
1965 DEC 25	15:38	38.32					35.821	116.791		C													3.5	BRK
1965 DEC 25	15:43	18.95					35.777	116.830		C		1.00*											2.8	BRK
1965 DEC 25	15:48	37.44					35.740	116.914		C		1.00*												
1965 DEC 25	16: 9: 44.34						35.819	116.807		C		4.70			1	BRP	2.6	PAS		4.3	ISC	4.3	BRK	
1965 DEC 25	16:49	39.11					35.763	116.974		C		1.00*								4.0	PDX	4.0	KKG	
1965 DEC 25	18:59	53.80		SIZ			37.000	116.300		C		33.00*			4	BRP	1.6	PAS		4.1	PDX	4.1	KKG	
1965 DEC 25	21:37	27.32					35.814	116.843		C		9.40				1.6	BRP	2.8	PAS				2.8	BRK
1965 DEC 26	7:44	54.42					35.769	116.895		C		1.00*								4.1	PDX	4.1	BRK	
1965 DEC 27	3:15	39.05					35.798	116.807		C		1.00*			1	BRP	2.6	PAS		4.5	PDX	4.5	BRK	
1965 DEC 27	23: 7: 13.37						35.774	116.910		C		1.00*			1	BRP	2.1	PAS					3.2	BRK
1965 DEC 28	15:37	11.47					35.763	116.889		C		1.00*			1	BRP	2.5	PAS					3.5	BRK
1965 DEC 28	15:51	21.48					35.792	116.869		C		1.00*			1	BRP	2.4	PAS					3.4	BRK
1966 JAN 8	11: 4: 2.00					5	38.500	117.700																
1966 JAN 13	3:40	39.01					36.080	117.865				8.00*			4	PDX	2.0	PAS		3.2	PAS	3.1	GDY	
1966 JAN 13	3:46	37.71					36.101	117.890				8.00*											2.7	GDY
1966 JAN 18	7:41	52.46					36.431	117.979		B		1.00*												
1966 JAN 21	19: 3:19.30			CPDX			37.000	115.800												3.4	PDX			
1966 JAN 22	15:17	4.00				4	36.500	114.700				8.00*			1	BRP	2.4	PAS		4.1	ISC			
1966 JAN 27	17:55	36.33					36.577	117.852												3.5	PDX	3.5	KKG	
1966 MAR 18	20: 3:40.00			CSNL			37.009	116.009				8.00*												
1966 APR 6	17:56	30.27					37.293	115.358				8.00*			5	BRP	4.0	BRP		4.1	PDX	4.1	KKG	
1966 APR 8	2:54	57.78					37.263	115.433				8.00*												
1966 MAY 19	15:37	17.90		CPDX		13	37.000	116.100				8.00*								4.5	PDX	4.5	KKG	
1966 MAY 20	7:31	9.37					36.055	117.377							1	BRP	2.5	PAS		3.9	PDX	3.9	KKG	
1966 MAY 27	20:52	32.90		CPDX		5	37.200	116.200																

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER				INTENSITY				MAGNITUDE														
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1966 JUN 1	12:28	18.31					37.639	117.746				8.00*			3	BRP	3.2	BRP	3.2	PAS					3.2	GDY
1966 JUN 3	15:31	57.40		CPDX		8	37.100	116.000				5.00*														
1966 JUN 20	19:58	54.40					38.000	117.900		C														3.9	PDX	
1966 JUL 1	1:33	35.60		CPDX		8	37.200	116.100																		
1966 JUL 15	9: 5	25.00				4	37.900	116.400																		
1966 JUL 23	22:55	58.30		LM			35.900	114.900		C		8.00*														
1966 AUG 16	18: 2	36.50		CLMT			37.395	114.206	1.8			7.00*			6	PDX			6.0	PAS			5.6	PDX	6.1	ROG
1966 AUG 16	19:50	10.70		CLMT			37.375	114.186	1.8			7.00*			5	ERS			4.5	PAS			4.6	PDX	4.6	ERS
1966 AUG 16	20:34	48.91		CLMT			37.340	114.216	0.8			7.00*														
1966 AUG 16	21: 6	17.91		CLMT			37.338	114.119	3.8			7.00*														
1966 AUG 16	21:30	30.41		CLMT			37.485	114.575	5.1			7.00*														
1966 AUG 17	2:37	3.67		CLMT			37.326	114.187	3.8			7.00*														
1966 AUG 17	19:14	58.99		CLMT			37.336	114.218	6.9			7.00*														
1966 AUG 17	23: 8	0.16		CLMT			37.355	114.207	0.2			7.00*			2	ERS			5.5	BRK			4.9	PDX	5.2	ERS
1966 AUG 17	23:27	24.34		CLMT			37.304	114.524	14.1			7.00*														
1966 AUG 18	6:15	1.95		CLMT			37.316	114.237	3.1			7.00*			5	ERS			4.5	PAS			4.2	PDX	4.7	ERS
1966 AUG 18	9:28	58.26		CLMT			37.288	114.211	3.4			7.00*							3.8	BRK			3.7	PDX	3.8	GDY
1966 AUG 18	10:43	37.53		CLMT			37.210	114.204	0.9			7.00*														
1966 AUG 18	12: 0	36.30		CLMT			37.291	114.270	0.7			7.00*			4	ERS			4.4	BRK			4.2	PDX	4.4	ERS
1966 AUG 18	13:33	22.46		CLMT			37.344	114.236	0.4			7.00*			5	ERS			4.4	BRK			4.3	PDX	4.6	ERS
1966 AUG 18	19:57	40.30		CLMT			37.201	114.234	2.9			7.00*														
1966 AUG 18	21:23	59.04		CLMT			37.330	114.235	6.6			7.00*														
1966 AUG 19	0:18	57.23		CLMT			37.341	114.242	9.8			7.00*			5	ERS			4.3	BRK			4.7	PDX	4.7	ERS
1966 AUG 19	1:27	18.11		CLMT			37.282	114.230	14.7			7.00*														
1966 AUG 19	2: 8	6.99		CLMT			37.294	114.211	8.0			7.00*							3.6	BRK			3.9	PDX	3.9	ERS
1966 AUG 19	7:57	53.54		CLMT			37.315	114.220	17.8			7.00*														
1966 AUG 19	10:51	41.39		CLMT			37.374	114.211	2.4			7.00*			5	ERS			4.7	UTH			4.2	PDX	4.5	ERS
1966 AUG 19	11:17	49.77		CLMT			37.298	114.135	9.4			7.00*			5	ERS			3.6	BRK			4.4	PDX	4.4	ERS
1966 AUG 20	0:29	40.00					38.000	118.000		C									3.2	BRK						
1966 AUG 21	7:39	51.70					37.300	114.600				33.00*														
1966 AUG 22	8:27	30.84		CLMT			37.295	114.231	2.0			7.00*			6	ERS			4.6	BRK			4.3	PDX	4.8	ERS
1966 AUG 22	19: 5	44.33		CLMT			37.303	114.221	2.2			7.00*							3.8	BRK						
1966 AUG 24	4:54	33.13		CLMT			37.318	114.222	1.1			7.00*														
1966 AUG 31	8:58	16.97		CLMT			37.263	114.223	0.6			7.00*														
1966 SEP 1	12:42	39.82		CLMT			37.321	114.258	2.0			7.00*														
1966 SEP 2	19: 5	53.59		CLMT			37.266	114.330	16.4			7.00*														
1966 SEP 5	16: 8	31.32		CLMT			37.270	114.278	19.0			7.00*														
1966 SEP 6	9:38	2.00				7	37.300	114.600				33.00*														
1966 SEP 6	12:31	43.00				6	37.300	114.700		C		66.00*														
1966 SEP 18	3:14	39.52					35.919	117.962				1.00*			1	BRP	2.0	BRP	3.1	PAS			3.9	PDX	5.0	ERS
1966 SEP 22	18:56	41.56		CLMT			37.316	114.214	1.1			7.00*			6	ERS			5.3	PAS			4.5	PDX	5.0	ERS
1966 SEP 22	18:57	34.07		CLMT			37.369	114.183	65.7			7.00*			5	ERS			5.8	BRK			5.3	PDX	5.3	ERS
1966 SEP 22	19: 9	16.47		CLMT			37.376	114.284	0.9			7.00*							4.0	BRK			4.4	PDX	4.7	ERS
1966 SEP 22	19:59	40.74		CLMT			37.381	114.197	2.7			7.00*			6	ERS			4.7	BRK			4.5	PDX	4.5	ERS
1966 SEP 23	11:56	10.85		CLMT			37.328	114.237				7.00*			5	ERS			4.6	BRK						
1966 SEP 26	13:40	56.00				7	37.500	114.600				33.00*														
1966 SEP 30	18:19	37.00				15	37.200	114.700				33.00*														
1966 OCT 9	0:37	29.00				6	37.300	114.700				33.00*														

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER				INTENSITY				MAGNITUDE															
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1966	OCT	16	13:13:37.37						35.757	117.804		C		14.90		PAS	—	4	BRP	1.5 BRP		2.7 PAS				3.7 BRP		
1966		18	6:13:47.75			CLMT			37.169	114.790	16.1			7.00*		ROG			3.0 BRP									
1966		18	17:58:13.70						37.300	114.500		C		33.00*		ISC												
1966		27	12:37:49.00					7	37.300	114.600				33.00*		BRP												
1966		29	4:35:57.70					6	37.370	114.700				33.00*		ISC												
1966	NOV	18	15:15:5.00			CPDX		14	37.000	116.000						PDX												
1966		22	7:20:33.53			CLMT			37.296	114.222	13.5			7.00*		ROG												
1966		29	1:11:52.89			CLMT			37.270	114.288	8.0			7.00*		ROG												
1966	DEC	20	16:52:28.70			SIZ			37.300	116.600		C		33.00*		BRP	4	BRP	3.0 BRP							3.9 PDX		
1966		20	18:4:2.72			SIZ			37.392	116.485				8.00*		GOY	4	BRP	3.0 BRP			3.7 BRK				3.8 PDX	3.8 GOY	
1966		21	1:19:59.42						37.444	116.325				8.00*		GOY	3	BRP	3.0 BRP							2.9 PDX	2.9 GOY	
1966		21	2:14:24.20			SIZ			37.258	116.492				8.00*		GOY	4	BRP	3.0 BRP							3.5 PDX	3.5 GOY	
1966		21	6:2:3.32			SIZ			37.256	116.515				8.00*		GOY	4	BRP	3.0 BRP							3.4 PDX	3.4 GOY	
1966		21	12:56:57.65						37.462	116.313				8.00*		GOY	4	BRP	3.0 BRP							3.9 PDX	3.9 GOY	
1966		21	14:37:27.43			SIZ			37.325	116.410				8.00*		GOY	4	BRP	3.0 BRP							3.6 PDX	3.6 GOY	
1966		21	19:3:40.09			SIZ			37.176	116.467				8.00*		GOY												
1966		22	7:5:21.65						37.563	116.274				8.00*		GOY												
1966		22	12:59:12.93			SIZ			37.404	116.336				8.00*		GOY	4	BRP	3.0 BRP							3.4 PDX	3.4 GOY	
1966		22	16:1:54.75						37.324	116.118				8.00*		GOY												
1966		22	17:30:1.70			SIZ			37.339	116.430				8.00*		GOY	6	BRP	5.0 BRP							3.3 PDX	3.3 GOY	
1966		23	4:57:7.88			SIZ			37.426	116.340				8.00*		GOY										4.9 PDX	4.9 GOY	
1966		30	18:52:37.90			SIZ			37.300	116.500		C		33.00*		BRP	4	BRP	3.0 BRP									
1967	JAN	3	7:6:35.21			SIZ			37.286	116.469				8.00*		GOY	4	BRP	3.0 BRP							3.2 PDX		
1967		5	12:15:21.78			SIZ			37.281	116.416				8.00*		GOY	5	BRP	4.3 BRP	4.2 PDX						3.6 PDX	3.6 GOY	
1967		12	6:10:36.00					7	36.800	118.000						BRK	1	BRP	2.0 BRP			3.1 BRK						
1967		19	19:40:10.46						36.505	117.898		B		12.50		PAS	3	BRP	1.7 BRP			2.9 PAS						
1967		21	1:46:17.88			SIZ			37.289	116.524				8.00*		GOY			3.0 BRP							3.3 PDX	3.3 GOY	
1967	FEB	13	8:5:59.07			LM			36.029	114.682				8.00*		GOY												
1967		14	1:8:24.97			SIZ			37.344	116.465				8.00*		GOY	4	BRP	3.0 BRP			3.6 PDX				3.9 PDX	3.9 GOY	
1967		23	21:11:33.10			CPDX		24	37.127	116.066						PDX										4.7 PDX		
1967		24	10:17:13.00					4	36.500	116.000						BRK						3.2 BRK						
1967		26	13:52:57.40			LM			36.300	114.500		A		33.00*		BRP												
1967	MAR	2	14:12:49.56						36.398	117.668				8.00*		GOY	5	BRK	3.7 BRP			4.4 PAS				4.7 PDX	4.5 BRK	
1967		2	14:18:45.00						36.467	117.667		C		10.00*		PAS			0.7 BRP			2.1 PAS						
1967		2	14:19:11.67						36.538	117.466				5.80		PAS			0.9 BRP			2.3 PAS						
1967		2	14:19:54.72						36.469	117.665		B		11.70		PAS	1	BRP	2.0 BRP			3.1 PAS						
1967		2	14:21:21.00						36.467	117.667		C		10.00*		PAS			1.6 BRP			2.8 PAS						
1967		2	14:22:6.55						36.444	117.645		B		10.90		PAS			1.1 BRP			2.4 PAS						
1967		2	15:16:50.33						36.403	117.736		B		13.80		PAS			1.2 BRP			2.5 PAS						
1967	APR	19	19:56:31.83						36.985	117.908		C		6.50		PAS	1	BRP	2.1 BRP			3.2 PAS					3.0 BRK	
1967		20	22:27:43.00					8	36.800	117.400						BRK	1	BRP	2.6 BRP			3.6 BRK						
1967		26	9:27:56.00					6	36.900	118.000						BRK			1.8 BRP			3.0 BRK						
1967	MAY	1	12:14:29.60						36.000	114.700		A		9.00*		BRP												
1967		7	18:1:36.10						37.000	115.000		A		20.00*		BRP	4	PDX	5.0 BRP			5.1 PDX				4.7 PDX	4.7 KKG	
1967		7	18:9:15.40						37.100	115.100		A		33.00*		BRP												
1967		9	0:42:25.90						37.000	115.000		A		33.00*		BRP	4	BRP	3.0 BRP							4.0 PDX	3.9 KKG	
1967		10	13:48:54.58						36.159	117.866		B		10.00*		PAS			1.1 BRP			2.4 PAS						
1967		22	13:48:13.50					6	37.200	117.600						BRK	1	BRP	2.6 BRP			3.6 BRK					3.6 PAS	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF
1967 MAY 23	17:52:	4.00		SIZ	—	—	37.300	116.400	—	—	—	16.00*	—	PAS	4	BRP	3.0 BRP	3.6 PAS	—	—	—	—
1967 MAY 23	20:14:	7.00		SIZ	—	—	37.200	116.400	—	—	—	16.00*	—	PAS	5	BRP	4.0 BRP	4.1 PAS	—	4.0 PDX	—	—
1967 MAY 25	22: 6:30	00		—	—	6	37.100	117.500	—	—	—	—	—	BRK	—	—	1.8 BRP	3.7 PAS	—	4.4 PDX	—	3.0 PAS
1967 MAY 29	13:20:18	30		—	—	4	37.000	117.800	—	—	—	—	—	BRK	1	BRP	2.1 BRP	3.2 BRK	—	—	—	—
1967 JUN 30	18:28:16	20		—	—	10	38.210	117.500	—	—	—	—	—	ISC	—	—	—	—	—	—	—	—
1967 JUN 1	0:35:46	14		SIZ	—	—	37.257	116.548	—	—	—	8.00*	—	GDY	4	BRP	3.0 BRP	—	—	3.6 PDX	—	3.6 GDY
1967 JUN 1	9:42:20	95		SIZ	—	—	37.324	116.358	—	—	—	8.00*	—	GDY	—	—	—	—	—	—	—	—
1967 JUN 3	3:30:46	00		—	—	5	38.400	117.300	—	—	—	—	—	BRK	—	—	3.3 BRK	—	—	—	—	—
1967 JUN 7	7:31:18	70		SIZ	—	—	37.300	116.500	—	A	—	33.00*	—	BRP	4	BRP	3.0 BRP	—	—	3.5 PDX	—	—
1967 JUN 26	2:25:58	11		—	—	—	36.121	117.849	—	—	—	8.00*	—	GDY	—	—	1.7 BRP	2.9 PAS	—	—	—	2.9 GDY
1967 JUN 29	12:31:48	01		—	—	—	36.015	117.288	—	B	—	10.00*	—	PAS	—	—	1.7 BRP	2.9 PAS	—	—	—	—
1967 JUL 9	15:41:40	04		—	—	—	37.106	117.891	—	—	—	8.00*	—	GDY	1	BRP	2.5 BRP	3.5 BRK	—	—	—	3.5 GDY
1967 JUL 27	2:21: 0.93			—	—	—	35.806	116.835	—	C	—	15.40	—	PAS	1	BRP	2.0 BRP	3.1 PAS	—	—	—	—
1967 AUG 6	7:27:52	20		—	—	5	37.060	117.880	—	—	—	8.00*	—	BRK	1	BRP	2.0 BRP	3.1 BRK	—	—	—	—
1967 AUG 8	17:52:11	93		SIZ	—	—	37.241	116.512	—	—	—	—	—	GDY	3	BRP	3.0 BRP	—	—	3.2 PDX	—	3.2 GDY
1967 AUG 9	6:45: 5.82			SIZ	—	—	37.242	116.530	—	—	—	8.00*	—	GDY	4	BRP	3.0 BRP	3.8 BRK	—	3.9 PDX	—	3.1 PAS
1967 AUG 9	15:41:41	90		—	—	—	37.100	117.900	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—
1967 AUG 18	4:27:19	69		—	—	—	36.473	117.622	—	B	—	7.80	—	PAS	—	—	1.8 BRP	3.0 PAS	—	—	—	—
1967 SEP 18	20:12:40	20		—	—	9	37.190	116.760	—	—	—	—	—	BRK	—	—	—	4.4 BRK	—	—	—	—
1967 SEP 20	20:25:43	30		—	—	12	37.590	117.960	—	—	—	—	—	BRK	—	—	—	3.8 BRK	—	—	—	—
1967 SEP 11	5: 5:33	00		—	—	—	38.000	118.000	—	—	—	—	—	BRK	—	—	—	3.0 BRK	—	—	—	—
1967 SEP 20	4:51:21	14		—	—	—	37.173	115.158	—	—	—	8.00*	—	GDY	—	—	—	—	—	—	—	—
1967 OCT 16	18:41:56	90		—	—	—	36.383	117.507	—	B	—	11.80	—	PAS	1	BRP	2.2 BRP	3.3 PAS	—	—	—	—
1967 OCT 27	1:25:40	76		—	—	—	37.132	117.613	—	B	—	1.00*	—	PAS	—	—	1.5 BRP	2.7 PAS	—	—	—	—
1967 NOV 27	1:42:28	12		—	—	—	37.354	117.549	—	—	—	8.00*	—	GDY	—	—	1.5 BRP	2.7 PAS	—	—	—	2.7 GDY
1967 NOV 1	4:37:35	00		—	—	—	37.300	114.800	—	A	—	33.00*	—	BRP	—	—	—	—	—	—	—	—
1967 NOV 1	7:41:38	90		—	—	—	37.400	114.600	—	A	—	33.00*	—	BRP	—	—	—	—	—	—	—	—
1967 NOV 11	14:24:26	40		—	—	6	37.060	117.700	—	—	—	—	—	BRK	1	BRP	2.2 BRP	3.3 BRK	—	—	—	—
1967 NOV 21	17:25: 8.49			—	—	—	37.198	117.370	—	—	—	8.00*	—	GDY	4	PDX	2.2 BRP	3.3 BRK	—	—	—	3.3 GDY
1967 NOV 29	17:29: 3.48			—	—	—	35.647	117.495	—	C	—	3.70	—	PAS	—	—	—	—	—	—	—	—
1967 DEC 6	1:33: 3.30			—	—	—	37.058	115.296	—	—	—	8.00*	—	GDY	4	BRP	3.0 BRP	—	—	3.7 PDX	—	3.7 KKG
1967 DEC 11	2:35:19	39		—	—	—	37.172	115.173	—	—	—	8.00*	—	GDY	3	BRP	3.0 BRP	—	—	3.3 PDX	—	3.3 KKG
1967 DEC 31	17:10:28	34		—	—	—	35.657	117.555	—	B	—	1.00*	—	PAS	—	—	0.5 BRP	—	—	—	—	—
1968 JAN 1	9:28: 5.00			—	—	6	38.000	118.000	—	—	—	—	—	BRK	—	—	—	3.0 PAS	—	—	—	—
1968 JAN 4	9:45:43	08		—	—	—	36.481	117.004	—	—	—	8.00*	—	GDY	2	BRP	3.2 BRP	4.0 BRK	—	—	—	3.6 GDY
1968 JAN 4	9:46:42	59		—	—	—	36.497	117.017	—	C	—	6.70	—	PAS	1	BRP	2.6 BRP	3.6 PAS	—	4.1 PDX	—	4.1 KKG
1968 FEB 15	12:37:39	35		—	—	—	36.055	117.858	—	B	—	10.00*	—	PAS	—	—	0.8 BRP	2.2 PAS	—	—	—	—
1968 FEB 15	13:36:15	54		—	—	—	36.001	117.852	—	C	—	4.70	—	PAS	—	—	0.8 BRP	2.2 PAS	—	—	—	—
1968 FEB 5	19:32:57	15		—	—	—	36.137	117.809	—	B	—	8.10	—	PAS	—	—	1.3 BRP	2.6 PAS	—	—	—	—
1968 FEB 5	20:11:17	56		—	—	—	36.140	117.818	—	C	—	1.00*	—	PAS	—	—	0.7 BRP	2.1 PAS	—	—	—	—
1968 FEB 5	20:16:49	10		—	—	—	36.157	117.810	—	B	—	10.10	—	PAS	—	—	0.8 BRP	2.2 PAS	—	—	—	—
1968 FEB 6	1:46:21	74		—	—	—	36.144	117.815	—	B	—	10.00*	—	PAS	—	—	1.2 BRP	2.5 PAS	—	—	—	—
1968 FEB 6	2:15:39	16		—	—	—	36.146	117.824	—	B	—	10.80	—	PAS	—	—	0.5 BRP	2.0 PAS	—	2.0 PDX	—	—
1968 FEB 6	4:19:40	02		—	—	—	36.143	117.825	—	B	—	1.00*	—	PAS	—	—	0.7 BRP	2.1 PAS	—	—	—	—
1968 FEB 6	4:30:37	19		—	—	—	36.149	117.823	—	B	—	6.60	—	PAS	—	—	0.7 BRP	2.1 PAS	—	—	—	—
1968 FEB 9	17:41: 4.04			—	—	—	36.072	117.859	—	B	—	10.00*	—	PAS	—	—	0.8 BRP	2.2 PAS	—	—	—	—
1968 MAR 9	11: 5:31	06		SIZ	—	—	37.329	116.226	—	—	—	8.00*	—	GDY	4	BRP	3.0 BRP	—	—	3.5 PDX	—	3.5 GDY
1968 MAR 3	2: 9:40	39		SIZ	—	—	36.730	115.905	—	—	—	8.00*	—	GDY	—	—	—	—	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE											
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF
1968 MAR 6	3:18:16.00						36.500	115.800		A		33.00*		BRP								
1968 6	8:33: 1.00					7	37.100	117.900				8.00*		BRK			3.2 BRK					
1968 6	8:43: 9.17						37.001	117.833				8.00*		GDY		1.7 BRP	3.3 BRK				2.9 PAS	
1968 11	7:17:12.00						36.700	116.600		A		33.00*		BRP								
1968 11	7:17:14.69						37.196	115.374				8.00*		GDY								
1968 11	7:17:23.00					9	36.800	115.800				33.00*		ISC								
1968 11	7:34:21.14						37.147	115.468				8.00*		GDY	4 BRP	3.0 BRP			3.6 PDX		3.6 KKG	
1968 13	3:11:21.20						35.783	116.577		C		1.00*		PAS		1.6 BRP	2.8 PAS					
1968 APR 12	6:40:10.00						36.900	114.500		A		33.00*		BRP	4 BRP	3.0 BRP			3.4 PDX		3.4 KKG	
1968 13	18:10:47.84						38.264	117.697				8.00*		GDY			3.7 BRK				3.7 GDY	
1968 26	15:14:52.00			SIZ		7	37.138	116.198				33.00*		PDX					5.1 PDX			
1968 26	15:32:21.00			SIZ		23	37.239	116.526				17.00		PDX					4.9 PDX			
1968 26	16:35:17.65			SIZ			37.316	116.440				8.00*		GDY					4.9 PDX		4.9 GDY	
1968 26	18:47:29.46			SIZ			37.046	116.228				8.00*		GDY					3.6 PDX		3.6 GDY	
1968 26	20:42:18.41			SIZ			37.293	116.457				8.00*		GDY					4.0 PDX		4.0 GDY	
1968 28	4:23:40.00			SIZ		15	37.205	116.481				33.00*		PDX					4.0 PDX			
1968 30	16:35:24.00			SIZ		8	37.138	116.395				33.00*		PDX					3.7 PDX			
1968 38	7:49: 3.00			SIZ		18	37.291	116.298				33.00*		PDX					4.2 PDX			
1968 MAY 1	10:50:38.73			SIZ			37.249	116.472				8.00*		GDY					3.8 PDX		3.8 GDY	
1968 1	10:55:11.77			SIZ			37.228	116.446				8.00*		GDY					3.8 PDX		3.8 GDY	
1968 3	0:38:28.58			SIZ			37.327	116.390				8.00*		GDY					3.7 PDX		3.7 GDY	
1968 4	3:33: 9.10			SIZ			36.135	117.612		B		1.00*		PAS		1.5 BRP	2.7 PAS					
1968 4	23:28:43.86			SIZ			37.214	116.454				8.00*		GDY					3.7 PDX		3.7 GDY	
1968 4	23:31:10.47			SIZ			37.235	116.557				8.00*		GDY					3.6 PDX		3.6 GDY	
1968 15	16: 1:12:20			SIZ			37.209	116.540				8.00*		GDY	5 BRP	4.0 BRP			3.9 PDX		3.9 GDY	
1968 17	14:11:15.85			CSNL			37.109	115.952				8.00*		GDY					4.0 PDX		4.0 GDY	
1968 18	12:45: 8.80						36.378	117.476		B		7.60		PAS			2.9 PAS					
1968 31	3:47:58.78						35.887	117.726		C		0.50		PAS		0.9 BRP	2.3 PAS					
1968 JUN 9	16:21:10.02						36.119	117.813		B		10.00*		PAS		1.5 BRP	2.7 PAS					
1968 12	9:30:22.01						35.633	117.766		C		20.30		PAS		1.2 BRP	2.5 PAS					
1968 15	22:30: 5.00						36.700	116.200		A		33.00*		BRP								
1968 24	5:36:44.40						36.717	115.975				8.00*		GDY	4 BRP	3.0 BRP	3.7 BRK		3.9 PDX		3.9 KKG	
1968 26	7:34:13.83						37.368	116.347				8.00*		GDY			3.0 BRK				3.0 GDY	
1968 30	21:21:20.65			SIZ			37.191	116.549				8.00*		GDY					3.6 PDX		3.6 GDY	
1968 JUL 13	8:11:20.73			SIZ			36.003	117.347		B		1.00*		PAS		1.5 BRP	2.7 PAS					
1968 AUG 9	2: 8:52.48						35.605	116.201		C		1.00*		PAS		1.8 BRP	3.0 PAS					
1968 SEP 3	8:33:55.23			SIZ			37.175	116.472				8.00*		GDY							4.0 GDY	
1968 24	17: 1: 2.89						36.035	117.897		B		1.00*		PAS	1 BRP	2.0 BRP	3.1 PAS					
1968 OCT 29	16:35:59.23						36.979	116.501				8.00*		GDY							3.5 GDY	
1968 31	11:36:47.00					3	36.250	117.500				0.80*		BRK	1 BRP	2.5 BRP	3.5 BRK					
1968 DEC 8	15:28: 1.40			SIZ		10	37.332	116.545		1.3 D	308	0.80*		HSF				2.5 HSF				
1968 9	1: 2:58.30			SIZ		7	37.262	116.465		0.5 B	223	3.60	0.40	HSF				0.8 HSF				
1968 11	13:10:56.80			SIZ		9	37.247	116.497		0.2 B	224	3.60	0.10	HSF				1.7 HSF				
1968 12	11: 5:53.40			SIZ		11	37.225	116.508		0.5 A	96	3.80	0.60	HSF				1.5 HSF				
1968 13	0:25:26.74						35.991	117.673		B		10.00*		PAS		0.9 BRP	2.3 PAS					
1968 14	6:53:31.70			SIZ		8	37.227	116.505		0.4 A	95	4.50	0.50	HSF				1.1 HSF				
1968 14	9:10:44.00			SIZ		4	37.218	116.505		D	133	3.00*		HSF				1.1 HSF				
1968 16	18: 6:16.28						35.806	117.651		C		10.00*		PAS		0.8 BRP	2.2 PAS					

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER				INTENSITY				MAGNITUDE									
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	OTH	REF
1968 DEC 16	18	7:22	52				35.795	117.656		C		10.00*		PAS		0.7 BRP	2.1 PAS				
1968 17	02	7:44	12				36.027	117.882				8.00*		GDY	1	2.4 BRP	3.4 PAS		4.0 PDX		3.4 GDY
1968 17	22	46:56	90	SIZ		8	37.227	116.502	0.3	A	93	4.20	0.40	HSF				1.2 HSF			
1968 19	16	31:50	00	SIZ			37.200	116.500				0.00*		HSF*				4.8 HSF			
1968 19	16	32:10	00	SIZ			37.200	116.500				0.00*		HSF*				3.0 HSF			
1968 19	16	33:40	00	SIZ			37.200	116.500				0.00*		HSF*				3.5 HSF			
1968 19	16	34:20	00	SIZ			37.200	116.500				0.00*		HSF*				3.5 HSF			
1968 19	16	42:18	10	SIZ		11	37.250	116.493	0.3	B	158	2.10	0.30	HSF				2.9 HSF			
1968 19	16	47:16	90	SIZ			37.200	116.500				0.00*		HSF*				3.5 HSF			
1968 19	17	0:28	00	SIZ		17	37.210	116.505	0.3	A	67	3.90	0.30	HSF				3.5 HSF			
1968 19	17	6:25	30	SIZ		21	37.235	116.493	0.2	B	50	3.70	0.30	HSF				3.0 HSF			
1968 19	17	7:55	60	SIZ		10	37.272	116.460	0.6	B	138	2.70	0.80	HSF				2.6 HSF			
1968 19	17	8:48	50	SIZ		12	37.275	116.460	0.3	B	148	2.50	0.50	HSF				2.7 HSF			
1968 19	17	9:56	00	SIZ		12	37.262	116.467	0.3	A	112	2.30	0.30	HSF				2.7 HSF			
1968 19	17	30:21	50	SIZ		18	37.208	116.503	0.4	B	50	2.60	0.70	HSF				3.5 HSF	4.3 PDX		
1968 19	18	14:39	30	SIZ		20	37.257	116.475	0.2	A	69	3.70	0.20	HSF				3.0 HSF			
1968 19	18	50:00	00	SIZ		21	37.272	116.458	0.2	A	96	3.10	0.20	HSF				2.8 HSF			
1968 19	18	52:30	80	SIZ		22	37.196	116.475	0.2	A	49	1.60	0.40	HSF				3.1 HSF			
1968 19	18	57:10	00	SIZ		14	37.200	116.497	0.2	A	67	3.20	0.30	HSF				2.9 HSF			
1968 19	19	18:17	70	SIZ		14	37.260	116.485	0.4	B	66	1.10	0.40	HSF				3.3 HSF	4.1 PDX		
1968 19	19	32:29	90	SIZ		18	37.203	116.502	0.2	A	53	3.90	0.30	HSF				3.2 HSF	3.9 PDX		
1968 19	19	45:36	10	SIZ		16	37.230	116.473	0.1	A	41	1.70	0.20	HSF				3.1 HSF	4.3 PDX		
1968 19	19	54:01	10	SIZ		18	37.222	116.502	0.2	A	53	4.40	0.20	HSF				3.2 HSF			
1968 19	20	3:32	20	SIZ		13	37.275	116.467	1.0	C	151	4.10	0.80	HSF				3.2 HSF			
1968 19	20	4:16	40	SIZ		11	37.205	116.490	0.3	A	64	3.30	0.50	HSF				2.6 HSF			
1968 19	20	5:00	00	SIZ			37.200	116.500				0.00*		HSF*				3.0 HSF			
1968 19	20	5:50	50	SIZ		14	37.233	116.463	0.2	A	105	1.70	0.20	HSF				3.0 HSF			
1968 19	20	22:29	20	SIZ		17	37.238	116.503	0.2	A	60	3.90	0.20	HSF				2.8 HSF			
1968 19	20	40:9	10	SIZ		12	37.283	116.463	0.4	A	113	2.10	0.40	HSF				3.1 HSF			
1968 19	21	14:34	30	SIZ		17	37.235	116.470	0.4	B	62	0.70	0.50	HSF				3.1 HSF			
1968 19	22	5:18	40	SIZ		18	37.202	116.498	0.2	A	52	3.50	0.30	HSF				3.3 HSF			
1968 19	22	13:00	00	SIZ			37.200	116.500				0.00*		HSF*				3.0 HSF			
1968 19	22	23:26	30	SIZ		15	37.217	116.467				4.00*		PDX				4.2 HSF	5.0 PDX		4.5 PDX
1968 19	22	28:52	70	SIZ		11	37.207	116.507	0.7	B	70	3.30	1.20	HSF				3.0 HSF			
1968 19	22	32:40	50	SIZ		8	37.230	116.462	0.3	C	156	2.00	2.10	HSF				1.5 HSF			
1968 19	22	40:49	00	SIZ		4	37.230	116.477		D	180	0.30*		HSF				1.1 HSF			
1968 19	22	42:53	90	SIZ		6	37.248	116.535	5.9	C	125	13.90	12.30	HSF				0.8 HSF			
1968 19	22	51:51	50	SIZ		10	37.232	116.467	0.2	A	101	2.20	1.10	HSF				2.3 HSF			
1968 19	22	55:51	80	SIZ		7	37.237	116.465	0.2	B	122	1.40	0.40	HSF				2.0 HSF			
1968 19	22	58:10	00	SIZ		12	37.215	116.508	0.4	A	62	4.30	0.50	HSF				2.0 HSF			
1968 19	23	5:12	10	SIZ		11	37.235	116.497	0.4	A	67	3.60	0.60	HSF				1.7 HSF			
1968 19	23	23:48	40	SIZ		10	37.202	116.468	0.2	B	67	1.80	0.50	HSF				2.3 HSF			
1968 19	23	25:35	20	SIZ		8	37.230	116.477	0.2	A	111	2.00	0.90	HSF				1.5 HSF			
1968 19	23	26:31	20	SIZ		6	37.230	116.475	0.1	B	153	1.30	0.20	HSF				0.9 HSF			
1968 19	23	51:22	60	SIZ		11	37.253	116.493	0.3	A	99	2.70	0.50	HSF				1.7 HSF			
1968 19	23	52:49	10	SIZ		10	37.225	116.468	0.2	A	61	1.90	0.30	HSF				2.2 HSF			
1968 20	0	14:32	20	SIZ		9	37.200	116.492	0.2	B	70	1.60	0.50	HSF				1.2 HSF			
1968 20	0	16:59	00	SIZ		10	37.237	116.472	0.4	A	59	2.70	1.20	HSF				1.3 HSF			

SGS HISTORICAL HYPOCENTER SUMMARY 1968-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY				MAGNITUDE									
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	OTH
1968 DEC 20	0:19	33.20		SIZ	—	11	37.245	116.485	0.3	A	68	1.90	0.40	HSF	—	—	—	2.7	HSF	—
1968	0:22	36.50		SIZ	—	12	37.222	116.500	0.5	A	59	3.70	0.70	HSF	—	—	—	2.9	HSF	—
1968	0:30	41.70		SIZ	—	10	37.213	116.507	0.2	A	61	3.20	0.40	HSF	—	—	—	0.9	HSF	—
1968	0:35	53.10		SIZ	—	10	37.247	116.472	0.4	A	63	2.40	0.50	HSF	—	—	—	1.2	HSF	—
1968	0:39	17.40		SIZ	—	10	37.265	116.492	1.4	B	118	3.40	1.40	HSF	—	—	—	2.0	HSF	—
1968	0:42	38.80		SIZ	—	9	37.205	116.507	0.3	A	103	3.40	0.40	HSF	—	—	—	1.7	HSF	—
1968	1:15	1.90		SIZ	—	17	37.250	116.495	0.3	B	44	3.90	0.30	HSF	—	—	—	2.9	HSF	3.8 PDX
1968	1:28	7.10		SIZ	—	20	37.227	116.500	0.2	A	47	4.40	0.30	HSF	—	—	—	2.9	HSF	3.9 PDX
1968	1:28	21.00		SIZ	—	5	37.900	116.000	—	—	—	4.00*	—	ISC	—	—	—	—	—	—
1968	1:50	21.60		SIZ	—	23	37.207	116.507	0.3	B	49	3.40	0.40	HSF	—	—	—	3.1	HSF	—
1968	2:0	0:12.30		SIZ	—	11	37.208	116.507	0.3	A	101	3.40	0.40	HSF	—	—	—	2.6	HSF	—
1968	2:30	0.00		SIZ	—	—	37.200	116.500	—	—	—	0.00*	—	HSF*	—	—	—	3.0	HSF	—
1968	3:36	43.80		SIZ	—	11	37.215	116.505	0.4	A	97	3.70	0.50	HSF	—	—	—	2.9	HSF	—
1968	4:41	48.30		SIZ	—	10	37.283	116.455	0.4	B	160	2.40	0.70	HSF	—	—	—	2.4	HSF	—
1968	5:5	44.50		SIZ	—	14	37.217	116.510	0.2	A	61	3.50	0.30	HSF	—	—	—	2.3	HSF	—
1968	5:10	2.00		SIZ	—	21	37.265	116.510	0.2	A	55	3.70	0.20	HSF	—	—	—	2.7	HSF	—
1968	5:36	49.20		SIZ	—	21	37.212	116.510	0.2	A	40	4.00	0.20	HSF	—	—	—	2.6	HSF	—
1968	5:41	52.10		SIZ	—	23	37.235	116.487	0.2	A	41	4.00	0.20	HSF	—	—	—	3.0	HSF	—
1968	5:52	10.40		SIZ	—	20	37.223	116.500	0.2	A	43	3.80	0.20	HSF	—	—	—	2.6	HSF	—
1968	6:3	3:54.80		SIZ	—	20	37.238	116.500	0.2	A	45	3.90	0.20	HSF	—	—	—	2.6	HSF	—
1968	6:10	7.10		SIZ	—	20	37.252	116.497	0.2	A	47	3.70	0.20	HSF	—	—	—	2.6	HSF	—
1968	6:16	16.40		SIZ	—	20	37.207	116.510	0.2	A	54	4.00	0.20	HSF	—	—	—	2.5	HSF	—
1968	6:24	57.20		SIZ	—	18	37.220	116.510	0.3	A	60	4.20	0.30	HSF	—	—	—	2.0	HSF	—
1968	6:26	15.30		SIZ	—	20	37.265	116.468	0.3	A	107	2.80	0.40	HSF	—	—	—	2.2	HSF	—
1968	6:36	55.80		SIZ	—	21	37.207	116.505	0.2	A	50	2.90	0.20	HSF	—	—	—	2.6	HSF	—
1968	6:53	23.80		SIZ	—	21	37.248	116.488	0.2	A	49	3.30	0.20	HSF	—	—	—	2.8	HSF	—
1968	7:9	48.80		SIZ	—	20	37.217	116.507	0.2	A	40	3.60	0.20	HSF	—	—	—	2.3	HSF	—
1968	7:10	43.70		SIZ	—	14	37.273	116.485	0.3	B	136	2.10	0.20	HSF	—	—	—	2.2	HSF	—
1968	7:12	9.50		SIZ	—	19	37.217	116.508	0.2	A	39	3.60	0.30	HSF	—	—	—	2.0	HSF	—
1968	7:15	27.40		SIZ	—	21	37.288	116.463	0.3	B	141	2.30	0.40	HSF	—	—	—	2.0	HSF	—
1968	7:18	32.70		SIZ	—	21	37.212	116.507	0.2	A	40	4.00	0.20	HSF	—	—	—	2.6	HSF	—
1968	7:37	47.10		SIZ	—	20	37.227	116.508	0.2	A	54	4.20	0.20	HSF	—	—	—	2.0	HSF	—
1968	7:38	1.10		SIZ	—	14	37.227	116.510	0.2	A	63	4.40	0.20	HSF	—	—	—	2.6	HSF	—
1968	7:42	3.90		SIZ	—	18	37.262	116.470	0.3	A	106	3.30	0.40	HSF	—	—	—	2.1	HSF	—
1968	7:45	25.50		SIZ	—	21	37.227	116.510	0.2	A	54	4.50	0.20	HSF	—	—	—	2.6	HSF	—
1968	7:49	34.40		SIZ	—	19	37.217	116.498	0.1	A	40	2.40	0.30	HSF	—	—	—	2.1	HSF	—
1968	7:54	1.90		SIZ	—	19	37.210	116.507	0.2	A	41	3.90	0.30	HSF	—	—	—	2.3	HSF	—
1968	7:54	59.80		SIZ	—	19	37.223	116.463	0.2	B	56	1.80	0.30	HSF	—	—	—	2.3	HSF	—
1968	8:5	50.10		SIZ	—	18	37.207	116.508	0.3	B	52	3.80	0.50	HSF	—	—	—	2.0	HSF	—
1968	8:13	18.10		SIZ	—	21	37.228	116.510	0.2	A	55	4.40	0.20	HSF	—	—	—	2.2	HSF	—
1968	8:26	59.60		SIZ	—	21	37.267	116.470	0.2	A	107	3.70	0.20	HSF	—	—	—	2.8	HSF	—
1968	8:29	9.10		SIZ	—	18	37.245	116.492	0.2	A	52	3.20	0.30	HSF	—	—	—	2.0	HSF	—
1968	8:41	52.50		SIZ	—	20	37.268	116.468	0.2	B	109	3.00	0.30	HSF	—	—	—	2.3	HSF	—
1968	8:42	0.70		SIZ	—	16	37.228	116.510	0.3	B	57	4.50	0.30	HSF	—	—	—	2.0	HSF	—
1968	8:52	35.90		SIZ	—	21	37.268	116.487	0.2	A	78	2.60	0.30	HSF	—	—	—	2.8	HSF	—
1968	9:26	25.90		SIZ	—	18	37.235	116.502	0.3	A	49	3.20	0.40	HSF	—	—	—	1.9	HSF	—
1968	9:31	43.50		SIZ	—	20	37.223	116.510	0.2	A	55	3.60	0.30	HSF	—	—	—	2.5	HSF	—
1968	9:39	7.50		SIZ	—	19	37.220	116.503	0.2	A	41	3.90	0.20	HSF	—	—	—	2.6	HSF	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE									
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	MB	OTH
1968 DEC 20	9:57:19.30			SIZ	—	20	37.215	116.508	0.2	A	39	3.90	0.20	HSF	—	—	—	2.8	HSF	—
1968	9:58:23.00			SIZ	—	12	37.213	116.510	0.2	B	64	3.40	0.40	HSF	—	—	—	2.6	HSF	—
1968	9:59:27.80			SIZ	—	11	37.217	116.508	0.2	A	61	3.90	0.20	HSF	—	—	—	1.9	HSF	—
1968	10: 3:36.00			SIZ	—	18	37.210	116.510	0.2	A	55	4.10	0.20	HSF	4	BRP	—	2.9	HSF	3.9 PDX
1968	10:13:13.80			SIZ	—	19	37.200	116.508	0.2	A	55	3.50	0.20	HSF	—	—	—	2.3	HSF	—
1968	10:22:29.50			SIZ	—	19	37.215	116.508	0.2	A	40	4.20	0.20	HSF	—	—	—	2.2	HSF	—
1968	10:54:46.60			SIZ	—	18	37.235	116.503	0.2	A	50	3.50	0.20	HSF	—	—	—	2.2	HSF	—
1968	11: 7:44.60			SIZ	—	22	37.227	116.510	0.2	A	54	4.70	0.20	HSF	—	—	—	2.2	HSF	—
1968	11:11: 7.10			SIZ	—	14	37.202	116.485	0.2	A	71	2.20	0.30	HSF	—	—	—	1.6	HSF	—
1968	11:16:54.80			SIZ	—	21	37.255	116.495	0.2	A	56	3.60	0.20	HSF	—	—	—	2.4	HSF	—
1968	11:20:11.60			SIZ	—	20	37.198	116.510	0.2	A	56	3.30	0.20	HSF	—	—	—	2.5	HSF	—
1968	11:24:47.00			SIZ	—	21	37.217	116.508	0.2	A	39	3.60	0.20	HSF	—	—	—	2.7	HSF	—
1968	11:25:53.10			SIZ	—	19	37.217	116.503	0.2	A	44	3.60	0.30	HSF	—	—	—	2.4	HSF	—
1968	11:31: 3.60			SIZ	—	11	37.225	116.512	0.4	A	85	4.60	0.40	HSF	—	—	—	2.3	HSF	—
1968	11:32:34.10			SIZ	—	19	37.273	116.485	0.3	B	110	2.50	0.30	HSF	—	—	—	2.8	HSF	—
1968	11:55:50.20			SIZ	—	18	37.365	116.453	0.4	B	123	0.50	0.40	HSF	—	—	—	2.6	HSF	—
1968	11:57: 0.60			SIZ	—	15	37.227	116.510	0.1	A	63	3.00	0.10	HSF	—	—	—	2.5	HSF	—
1968	11:59:28.00			SIZ	—	16	37.203	116.490	0.1	A	51	3.00	0.10	HSF	—	—	—	2.3	HSF	—
1968	11:59:42.10			SIZ	—	15	37.210	116.510	0.2	A	57	4.10	0.20	HSF	—	—	—	2.0	HSF	—
1968	12: 0:59.50			SIZ	—	19	37.210	116.507	0.3	A	41	3.90	0.40	HSF	—	—	—	2.2	HSF	—
1968	12: 1:24.30			SIZ	—	9	37.220	116.508	0.3	A	107	4.00	0.30	HSF	—	—	—	2.1	HSF	—
1968	12: 8:39.80			SIZ	—	16	37.210	116.510	0.1	A	42	3.00	0.20	HSF	—	—	—	2.1	HSF	—
1968	12:10:22.20			SIZ	—	19	37.210	116.507	0.2	A	41	3.80	0.20	HSF	—	—	—	2.3	HSF	—
1968	12:10:36.80			SIZ	—	14	37.210	116.510	0.2	A	57	3.80	0.20	HSF	—	—	—	2.5	HSF	—
1968	12:14:43.40			SIZ	—	22	37.213	116.510	0.2	A	40	4.30	0.20	HSF	—	—	—	2.8	HSF	—
1968	12:27:27.10			SIZ	—	21	37.218	116.508	0.1	A	41	4.30	0.20	HSF	—	—	—	2.0	HSF	—
1968	12:34:55.90			SIZ	—	20	37.245	116.498	0.2	A	42	3.90	0.20	HSF	—	—	—	2.3	HSF	—
1968	12:40:17.70			SIZ	—	20	37.195	116.510	0.2	A	56	3.60	0.20	HSF	—	—	—	2.7	HSF	—
1968	12:44:55.80			SIZ	—	21	37.250	116.478	0.1	A	48	3.80	0.10	HSF	—	—	—	2.3	HSF	—
1968	12:48:54.30			SIZ	—	17	37.222	116.510	0.2	B	50	4.30	0.30	HSF	—	—	—	2.5	HSF	—
1968	12:56:18.10			SIZ	—	19	37.218	116.508	0.1	A	54	3.40	0.20	HSF	—	—	—	2.1	HSF	—
1968	13: 7:24.20			SIZ	—	19	37.210	116.510	0.2	A	42	4.30	0.30	HSF	—	—	—	2.6	HSF	—
1968	13:14:19.50			SIZ	—	18	37.212	116.475	0.1	A	44	2.40	0.30	HSF	—	—	—	2.1	HSF	—
1968	13:26:39.00			SIZ	—	17	37.220	116.507	0.2	A	52	4.10	0.20	HSF	—	—	—	1.9	HSF	—
1968	13:39:34.00			SIZ	—	21	37.220	116.508	0.2	A	46	4.10	0.20	HSF	—	—	—	2.4	HSF	—
1968	13:46:40.10			SIZ	—	22	37.227	116.508	0.2	A	54	4.60	0.20	HSF	—	—	—	2.3	HSF	—
1968	13:50:32.80			SIZ	—	20	37.253	116.502	0.2	A	61	4.00	0.20	HSF	—	—	—	2.0	HSF	—
1968	14:22:58.80			SIZ	—	19	37.208	116.507	0.2	A	44	4.30	0.20	HSF	—	—	—	2.4	HSF	—
1968	14:23:38.50			SIZ	—	13	37.222	116.510	0.1	A	60	4.20	0.10	HSF	—	—	—	2.2	HSF	—
1968	15: 4:48.70			SIZ	—	22	37.215	116.507	0.2	A	40	4.50	0.20	HSF	—	—	—	2.4	HSF	—
1968	15:24:34.50			SIZ	—	19	37.203	116.472	0.1	A	44	2.30	0.20	HSF	—	—	—	2.5	HSF	—
1968	15:28: 7.10			SIZ	—	18	37.220	116.487	0.1	A	50	3.80	0.10	HSF	—	—	—	2.2	HSF	—
1968	15:46:42.80			SIZ	—	21	37.278	116.463	0.3	A	112	3.40	0.30	HSF	—	—	—	2.3	HSF	—
1968	15:53:10.10			SIZ	—	15	37.203	116.467	0.1	A	68	2.00	0.10	HSF	—	—	—	2.0	HSF	—
1968	16:13:58.50			SIZ	—	17	37.220	116.508	0.2	A	56	4.20	0.20	HSF	—	—	—	1.9	HSF	—
1968	16:19:18.40			SIZ	—	17	37.205	116.488	0.1	A	46	3.10	0.20	HSF	—	—	—	3.1	HSF	3.9 PDX
1968	16:31:23.50			SIZ	—	19	37.222	116.510	0.2	A	52	4.40	0.20	HSF	—	—	—	2.1	HSF	—
1968	16:40:27.00			SIZ	—	20	37.222	116.510	0.2	A	51	4.50	0.20	HSF	—	—	—	2.5	HSF	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER			FLAG	RMS	NO	LATITUDE	HYPOCENTER			INTENSITY			MAGNITUDE					
	HR	MIN	SEC	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	MD	REF	mb	REF	OTH	REF		
1968 DEC 20	16:47:30.90			116.458	0.1 A	86	1.90	0.10	HSF	—	—	—	—	—	2.9	HSF	—	—	—		
1968 20	16:57:53.00			116.488	0.2 A	49	3.80	0.20	HSF	—	—	—	—	—	2.4	HSF	—	—	—		
1968 20	17: 8:27.30			116.513	0.3 B	83	3.70	0.40	HSF	—	—	—	—	—	2.2	HSF	—	—	—		
1968 20	17:14:43.90			116.512	0.2 A	55	4.50	0.20	HSF	—	—	—	—	—	2.9	HSF	3.8	PDX	—		
1968 20	17:15: 0.00			116.500	—	—	0.00*	—	HSF*	—	—	—	—	—	3.2	HSF	—	—	—		
1968 20	17:23:55.00			116.508	0.2 A	40	4.20	0.20	HSF	—	—	—	—	—	2.4	HSF	—	—	—		
1968 20	17:27:58.60			116.473	0.2 A	66	3.90	0.20	HSF	—	—	—	—	—	2.8	HSF	3.7	PDX	—		
1968 20	17:33: 7.30			116.508	0.2 A	40	4.50	0.20	HSF	—	—	—	—	—	2.9	HSF	3.8	PDX	—		
1968 20	17:40: 8.50			116.507	0.2 A	41	3.70	0.20	HSF	—	—	—	—	—	1.8	HSF	—	—	—		
1968 20	17:47:17.20			116.508	0.2 A	40	4.40	0.20	HSF	—	—	—	—	—	2.0	HSF	—	—	—		
1968 20	17:49:37.30			116.512	0.4 B	41	4.10	0.40	HSF	—	—	—	—	—	2.0	HSF	—	—	—		
1968 20	18:16:52.60			116.493	0.2 A	46	3.70	0.30	HSF	—	—	—	—	—	3.0	HSF	3.7	PDX	—		
1968 20	18:20:30.90			116.488	0.1 A	47	3.20	0.20	HSF	—	—	—	—	—	2.1	HSF	—	—	—		
1968 20	18:27: 0.60			116.508	0.2 A	55	4.50	0.20	HSF	—	—	—	—	—	2.5	HSF	—	—	—		
1968 20	18:27:28.20			116.493	0.2 A	46	4.10	0.20	HSF	—	—	—	—	—	2.1	HSF	—	—	—		
1968 20	18:33:20.20			116.478	0.1 A	49	2.40	0.20	HSF	—	—	—	—	—	2.6	HSF	—	—	—		
1968 20	18:35:36.30			116.510	0.2 A	51	4.70	0.20	HSF	—	—	—	—	—	2.3	HSF	—	—	—		
1968 20	18:42:20.80			116.498	0.2 A	43	4.00	0.20	HSF	—	—	—	—	—	1.6	HSF	—	—	—		
1968 20	18:46:28.40			116.505	0.1 A	61	3.80	0.20	HSF	—	—	—	—	—	2.9	HSF	—	—	—		
1968 20	18:49:52.90			116.510	0.2 A	63	4.40	0.20	HSF	—	—	—	—	—	2.4	HSF	—	—	—		
1968 20	18:53:54.40			116.507	0.2 A	58	4.30	0.20	HSF	—	—	—	—	—	2.3	HSF	—	—	—		
1968 20	18:54:59.10			116.505	0.3 B	56	4.40	0.30	HSF	—	—	—	—	—	2.3	HSF	—	—	—		
1968 20	19:46:46.30			116.485	0.4 A	104	2.70	1.10	HSF	—	—	—	—	—	2.0	HSF	—	—	—		
1968 20	20: 8:19.20			116.512	0.2 A	56	4.10	0.20	HSF	—	—	—	—	—	3.4	HSF	4.2	PDX	4.3 PDX		
1968 20	20:56:39.40			116.513	0.2 A	56	3.70	0.30	HSF	—	—	—	—	—	3.1	HSF	—	—	—		
1968 20	21: 7:49.50			116.498	0.4 A	75	3.00	0.70	HSF	—	—	—	—	—	2.7	HSF	—	—	—		
1968 20	21:15: 5.80			116.513	0.3 A	109	2.60	0.50	HSF	—	—	—	—	—	2.8	HSF	—	—	—		
1968 20	21:56:27.30			116.512	0.4 A	66	4.40	0.40	HSF	—	—	—	—	—	1.7	HSF	—	—	—		
1968 20	22: 0:40.30			116.507	0.2 A	61	3.00	0.40	HSF	—	—	—	—	—	2.1	HSF	—	—	—		
1968 20	22: 4:13.40			116.513	0.5 A	67	4.50	0.60	HSF	—	—	—	—	—	1.4	HSF	—	—	—		
1968 20	22:15:49.30			116.512	0.1 A	84	3.00	0.30	HSF	—	—	—	—	—	2.3	HSF	—	—	—		
1968 20	22:26: 5.60			116.512	0.3 A	64	4.40	0.40	HSF	—	—	—	—	—	2.1	HSF	—	—	—		
1968 20	22:27:35.50			116.505	0.3 A	62	3.60	0.40	HSF	—	—	—	—	—	2.2	HSF	—	—	—		
1968 20	22:35:13.90			116.500	0.3 A	59	3.80	0.40	HSF	—	—	—	—	—	2.8	HSF	—	—	—		
1968 20	22:42:52.90			116.507	0.3 A	91	3.10	0.50	HSF	—	—	—	—	—	1.9	HSF	—	—	—		
1968 20	22:45:47.90			116.508	0.4 A	67	4.60	0.50	HSF	—	—	—	—	—	0.9	HSF	—	—	—		
1968 20	23: 8: 7.10			116.507	0.3 A	62	3.90	0.50	HSF	—	—	—	—	—	2.0	HSF	—	—	—		
1968 20	23:12: 3.90			116.490	1.0 B	57	2.50	2.30	HSF	—	—	—	—	—	1.7	HSF	—	—	—		
1968 20	23:18: 2.10			116.513	0.5 A	67	4.50	0.60	HSF	—	—	—	—	—	2.6	HSF	—	—	—		
1968 20	23:25:41.60			116.513	0.2 A	84	2.60	0.30	HSF	—	—	—	—	—	2.4	HSF	—	—	—		
1968 20	23:34: 0.00			116.500	—	—	0.00*	—	HSF*	—	—	—	—	—	3.0	HSF	—	—	—		
1968 20	23:59:15.80			116.475	0.1 A	54	3.10	0.20	HSF	—	—	—	—	—	3.1	HSF	3.9	PDX	—		
1968 21	0:14:25.10			116.488	0.3 B	49	3.50	0.30	HSF	—	—	—	—	—	4.3	HSF	4.9	PDX	4.7 PDX		
1968 21	1: 0:45.00			116.518	0.5 A	80	4.50	0.60	HSF	—	—	—	—	—	2.8	HSF	—	—	—		
1968 21	2:33:21.20			116.497	0.2 A	76	3.80	0.20	HSF	—	—	—	—	—	2.9	HSF	—	—	—		
1968 21	3:19:24.40			116.497	0.4 A	105	3.70	0.40	HSF	—	—	—	—	—	2.4	HSF	—	—	—		
1968 21	3:38:41.60			116.498	0.2 A	49	4.10	0.20	HSF	—	—	—	—	—	3.0	HSF	3.6	PDX	—		
1968 21	5:25:12.40			116.497	0.3 A	82	3.30	0.60	HSF	—	—	—	—	—	2.5	HSF	—	—	—		

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE										
	HR	MM	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	OTH
1968 DEC 21	5:58	0:60		SIZ	—	11	37.208	116.512	0.3	A	100	4.60	0.30	HSF	—	—	—	2.8	HSF	—
1968	7:20	43:60		SIZ	—	11	37.247	116.495	0.3	A	84	3.40	0.50	HSF	—	—	—	2.9	HSF	—
1968	7:23	57:10		SIZ	—	11	37.215	116.508	0.3	A	97	3.10	0.40	HSF	—	—	—	2.8	HSF	—
1968	7:43	42:50		SIZ	—	22	37.257	116.498	0.2	A	61	4.00	0.20	HSF	—	—	—	3.1	HSF	—
1968	8:38	56:90		SIZ	—	11	37.245	116.490	0.3	A	77	2.30	0.50	HSF	—	—	—	2.0	HSF	—
1968	9:15	52:60		SIZ	—	10	37.263	116.497	0.4	A	107	3.90	0.50	HSF	—	—	—	2.6	HSF	—
1968	9:53	59:70		SIZ	—	9	37.270	116.465	0.3	B	131	2.60	0.30	HSF	—	—	—	1.1	HSF	—
1968	11:48	0:20		SIZ	—	11	37.218	116.503	0.3	A	96	3.50	0.40	HSF	—	—	—	2.8	HSF	—
1968	11:58	42:60		SIZ	—	11	37.218	116.510	0.3	A	96	4.70	0.40	HSF	—	—	—	2.5	HSF	—
1968	12: 3	45:70		SIZ	—	11	37.188	116.512	0.3	A	111	3.50	0.40	HSF	—	—	—	2.5	HSF	—
1968	12: 3	45:70		SIZ	—	22	37.202	116.492	0.2	A	52	3.40	0.20	HSF	—	—	—	2.9	HSF	—
1968	12:16	38:00		SIZ	—	21	37.200	116.510	0.2	A	55	4.70	0.20	HSF	—	—	—	2.9	HSF	—
1968	13: 3	13:30		SIZ	—	21	37.218	116.507	0.3	B	43	4.80	0.30	HSF	—	—	—	2.9	HSF	—
1968	13:36	15:90		SIZ	—	20	37.230	116.497	0.2	A	49	4.50	0.20	HSF	—	—	—	2.9	HSF	—
1968	14:35	37:70		SIZ	—	19	37.203	116.503	0.2	A	54	3.80	0.20	HSF	—	—	—	3.1	HSF	—
1968	15: 0	16:90		SIZ	—	18	37.265	116.490	0.3	A	59	2.50	0.30	HSF	—	—	—	3.4	HSF	4.0 GDY
1968	15: 4	58:60		SIZ	—	11	37.212	116.507	0.3	A	99	3.90	0.40	HSF	—	—	—	2.7	HSF	—
1968	15:17	48:10		SIZ	—	20	37.223	116.512	0.2	A	55	4.70	0.20	HSF	—	—	—	3.1	HSF	3.9 GDY
1968	15:45	18:40		SIZ	—	9	37.255	116.497	0.4	A	109	2.70	0.80	HSF	—	—	—	2.9	HSF	—
1968	16: 8	11:10		SIZ	—	11	37.215	116.512	0.4	A	98	4.70	0.40	HSF	—	—	—	2.9	HSF	—
1968	16:53	9:00		SIZ	—	—	37.200	116.500	—	—	—	0.00*	—	—	—	—	—	3.0	HSF	—
1968	17:18	0:00		SIZ	—	21	37.252	116.477	0.2	A	52	4.20	0.20	HSF	—	—	—	3.4	HSF	—
1968	17:32	56:40		SIZ	—	21	37.197	116.513	0.2	A	56	4.60	0.20	HSF	—	—	—	3.1	HSF	3.4 PDX
1968	17:43	12:70		SIZ	—	21	37.197	116.513	0.2	A	56	4.40	0.20	HSF	—	—	—	2.9	HSF	—
1968	17:59	43:30		SIZ	—	12	37.192	116.510	0.5	B	84	2.90	0.90	HSF	—	—	—	2.5	HSF	—
1968	18:28	39:40		SIZ	—	12	37.213	116.508	0.3	A	63	3.40	0.40	HSF	—	—	—	2.2	HSF	—
1968	19: 7	33:90		SIZ	—	21	37.242	116.500	0.2	A	50	4.10	0.20	HSF	—	—	—	3.2	HSF	4.1 GDY
1968	20:59	14:30		SIZ	—	12	37.227	116.512	0.3	A	67	4.80	0.40	HSF	—	—	—	2.5	HSF	—
1968	21:40	31:80		SIZ	—	23	37.188	116.513	0.2	A	88	3.30	0.30	HSF	—	—	—	3.0	HSF	—
1968	21:40	31:80		SIZ	—	12	37.233	116.497	0.4	A	66	3.60	0.60	HSF	—	—	—	1.6	HSF	—
1968	22:10	14:30		SIZ	—	12	37.205	116.482	1.2	B	61	6.50	4.50	HSF	—	—	—	2.9	HSF	—
1968	22:25	58:80		SIZ	—	12	37.258	116.495	0.3	A	101	3.20	0.50	HSF	—	—	—	2.2	HSF	—
1968	22:35	17:10		SIZ	—	12	37.190	116.513	0.2	A	87	2.30	0.50	HSF	—	—	—	2.3	HSF	—
1968	22:37	20:60		SIZ	—	11	37.245	116.497	0.4	A	80	3.30	0.60	HSF	—	—	—	2.2	HSF	—
1968	23: 9	14:60		SIZ	—	11	37.220	116.513	0.3	A	95	5.30	0.80	HSF	—	—	—	2.8	HSF	—
1968	0:10	32:20		SIZ	—	9	37.223	116.467	0.2	A	97	1.70	0.30	HSF	—	—	—	2.2	HSF	—
1968	1:49	23:00		SIZ	—	11	37.247	116.488	0.3	A	78	2.70	0.60	HSF	—	—	—	2.4	HSF	—
1968	2:57	38:00		SIZ	—	10	37.230	116.500	0.3	A	118	3.40	0.50	HSF	—	—	—	2.8	HSF	3.1 PDX
1968	3:51	53:50		SIZ	—	11	37.197	116.510	0.3	A	106	3.80	0.50	HSF	—	—	—	2.8	HSF	—
1968	4: 3	45:40		SIZ	—	11	37.242	116.507	0.4	A	81	4.50	0.40	HSF	—	—	—	2.6	HSF	—
1968	4:37	31:70		SIZ	—	11	37.253	116.497	0.4	A	91	3.00	0.60	HSF	—	—	—	2.7	HSF	—
1968	5:19	30:10		SIZ	—	11	37.222	116.507	0.4	A	95	3.60	0.60	HSF	—	—	—	2.7	HSF	—
1968	6:34	23:30		SIZ	—	11	37.268	116.483	0.3	B	125	1.90	0.30	HSF	—	—	—	2.9	HSF	—
1968	6:38	40:90		SIZ	—	11	37.250	116.498	0.4	A	86	3.30	0.60	HSF	—	—	—	2.9	HSF	—
1968	7:23	24:40		SIZ	—	11	37.268	116.485	0.3	B	127	1.70	0.30	HSF	—	—	—	2.1	HSF	—
1968	7:31	30:90		SIZ	—	11	37.267	116.483	0.3	B	124	1.90	0.30	HSF	—	—	—	2.1	HSF	—
1968	7:32	45:90		SIZ	—	11	37.183	116.512	0.3	A	113	2.70	0.70	HSF	—	—	—	2.8	HSF	—
1968	7:41	54:50		SIZ	—	11	37.258	116.475	0.3	A	102	3.90	0.40	HSF	—	—	—	2.9	HSF	—
1968	7:43	6:20		SIZ	—	11	37.258	116.475	0.3	A	102	3.90	0.40	HSF	—	—	—	2.9	HSF	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER							INTENSITY			MAGNITUDE								
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF
1968	DEC	22	15:15	27.30	SIZ	—	21	37.235	116.508	0.2	A	50	4.20	0.20	HSF	—	—	—	2.0	HSF	—	—	—
1968		22	15:24	32.80	SIZ	—	21	37.242	116.510	0.3	B	53	4.10	0.30	HSF	—	—	—	1.2	HSF	—	—	—
1968		22	15:24	47.10	SIZ	—	19	37.242	116.508	0.3	B	52	4.10	0.30	HSF	—	—	—	2.7	HSF	—	—	—
1968		22	15:29	16.70	SIZ	—	21	37.242	116.508	0.2	A	52	4.20	0.20	HSF	—	—	—	2.2	HSF	—	—	—
1968		22	15:30	5.40	SIZ	—	21	37.242	116.508	0.3	B	52	4.00	0.30	HSF	—	—	—	2.0	HSF	—	—	—
1968		22	15:35	34.40	SIZ	—	21	37.265	116.500	0.3	A	91	4.00	0.30	HSF	—	—	—	1.7	HSF	—	—	—
1968		22	15:38	36.60	SIZ	—	16	37.243	116.505	0.3	A	66	4.20	0.30	HSF	—	—	—	0.8	HSF	—	—	—
1968		22	15:38	47.60	SIZ	—	21	37.245	116.512	0.3	A	57	4.20	0.30	HSF	—	—	—	2.1	HSF	—	—	—
1968		22	15:40	27.30	SIZ	—	21	37.243	116.510	0.3	A	54	4.10	0.30	HSF	—	—	—	1.7	HSF	—	—	—
1968		22	15:47	21.00	SIZ	—	20	37.233	116.508	0.3	A	53	3.60	0.30	HSF	—	—	—	1.7	HSF	—	—	—
1968		22	15:55	55.50	SIZ	—	20	37.197	116.475	0.1	A	51	1.90	0.20	HSF	—	—	—	2.9	HSF	—	—	—
1968		22	16:7	25.40	SIZ	—	21	37.192	116.513	0.2	A	86	4.40	0.30	HSF	—	—	—	2.0	HSF	—	—	—
1968		22	16:16	3.80	SIZ	—	19	37.280	116.467	0.3	B	136	3.00	0.30	HSF	—	—	—	2.0	HSF	—	—	—
1968		22	16:17	22.40	SIZ	—	21	37.270	116.487	0.2	A	107	2.70	0.20	HSF	—	—	—	2.9	HSF	—	—	—
1968		22	16:25	41.40	SIZ	—	19	37.277	116.485	0.3	B	133	2.00	0.30	HSF	—	—	—	1.9	HSF	—	—	—
1968		22	16:36	28.30	SIZ	—	21	37.223	116.512	0.2	A	64	4.20	0.20	HSF	—	—	—	1.9	HSF	—	—	—
1968		22	16:38	4.00	SIZ	—	19	37.237	116.507	0.2	A	49	4.20	0.30	HSF	—	—	—	1.8	HSF	—	—	—
1968		22	16:56	20.30	SIZ	—	20	37.250	116.485	0.4	B	54	3.90	0.40	HSF	—	—	—	2.1	HSF	—	—	—
1968		22	16:59	51.10	SIZ	—	21	37.197	116.475	0.2	A	53	1.90	0.20	HSF	—	—	—	2.5	HSF	—	—	4.3 PDX
1968		22	18:10	52.30	SIZ	—	22	37.237	116.510	0.2	A	49	4.30	0.20	HSF	—	—	—	3.3	HSF	4.2 PDX	—	—
1968		22	18:15	28.70	SIZ	—	11	37.190	116.475	0.1	A	63	1.70	0.40	HSF	—	—	—	2.0	HSF	—	—	—
1968		22	19:25	21.70	SIZ	—	11	37.223	116.513	0.4	A	86	5.00	1.00	HSF	—	—	—	2.4	HSF	—	—	—
1968		22	19:58	59.60	SIZ	—	11	37.232	116.482	1.3	B	88	9.60	3.40	HSF	—	—	—	2.7	HSF	—	—	—
1968		22	20:53	14.00	SIZ	—	11	37.213	116.502	0.3	A	98	2.60	0.60	HSF	—	—	—	2.8	HSF	—	—	—
1968		22	21:10	42.50	SIZ	—	11	37.235	116.498	0.4	A	86	3.30	0.60	HSF	—	—	—	2.5	HSF	—	—	—
1968		22	22:2	9.40	SIZ	—	12	37.193	116.508	0.3	A	83	4.10	0.50	HSF	—	—	—	2.9	HSF	—	—	—
1968		22	22:7	22.80	SIZ	—	11	37.228	116.515	0.4	A	76	4.70	0.50	HSF	—	—	—	2.9	HSF	4.0 PDX	—	—
1968		22	22:45	9.70	SIZ	—	22	37.227	116.510	0.2	A	60	4.70	0.20	HSF	—	—	—	3.1	HSF	—	—	—
1968		22	22:46	0.00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	—	HSF*	—	—	—	3.0	HSF	—	—	—
1968		22	22:47	0.00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	—	HSF*	—	—	—	3.0	HSF	—	—	—
1968		22	22:48	0.00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	—	HSF*	—	—	—	3.0	HSF	—	—	—
1968		22	22:50	43.50	SIZ	—	21	37.218	116.510	0.2	A	59	4.60	0.20	HSF	—	—	—	3.1	HSF	—	—	—
1968		22	23:12	10.40	SIZ	—	11	37.227	116.507	0.4	A	92	3.60	0.50	HSF	—	—	—	2.7	HSF	—	—	—
1968		22	23:28	27.50	SIZ	—	11	37.200	116.508	0.4	A	104	3.70	0.50	HSF	—	—	—	3.0	HSF	—	—	—
1968		23	0:50	5.10	SIZ	—	11	37.218	116.503	0.9	B	96	3.70	1.20	HSF	—	—	—	2.5	HSF	—	—	—
1968		23	1:43	44.10	SIZ	—	6	37.232	116.340	1.2	C	167	3.70	1.00	HSF	—	—	—	1.5	HSF	—	—	—
1968		23	2:53	45.00	SIZ	—	25	37.230	116.510	0.2	A	57	4.20	0.20	HSF	—	—	—	3.1	HSF	—	—	—
1968		23	3:26	29.90	SIZ	—	11	37.252	116.492	0.4	A	92	2.60	0.60	HSF	—	—	—	2.7	HSF	—	—	—
1968		23	3:38	54.30	SIZ	—	11	37.233	116.505	0.4	A	82	3.40	0.60	HSF	—	—	—	2.6	HSF	—	—	—
1968		23	4:13	36.70	SIZ	—	12	37.243	116.495	0.3	A	74	3.10	0.60	HSF	—	—	—	2.6	HSF	—	—	—
1968		23	4:41	21.90	SIZ	—	11	37.193	116.510	0.4	B	153	2.50	0.50	HSF	—	—	—	2.5	HSF	—	—	3.9 GDY
1968		23	5:44	1.80	SIZ	—	26	37.205	116.490	0.2	A	49	3.10	0.30	HSF	—	—	—	3.2	HSF	3.9 PDX	—	—
1968		23	5:56	2.90	SIZ	—	26	37.227	116.508	0.2	A	59	4.20	0.20	HSF	—	—	—	3.1	HSF	3.8 PDX	—	3.8 GDY
1968		23	7:7	21.50	SIZ	—	10	37.202	116.492	0.2	A	64	2.20	0.70	HSF	—	—	—	1.2	HSF	—	—	—
1968		23	7:23	41.20	SIZ	—	11	37.200	116.512	0.3	A	105	5.50	0.80	HSF	—	—	—	2.5	HSF	—	—	—
1968		23	7:32	33.80	SIZ	—	11	37.232	116.505	0.4	A	84	3.50	0.50	HSF	—	—	—	2.4	HSF	—	—	—
1968		23	7:42	5.70	SIZ	—	11	37.270	116.458	0.3	B	132	2.20	0.30	HSF	—	—	—	2.0	HSF	—	—	—
1968		23	9:25	29.30	SIZ	—	26	37.253	116.498	0.2	A	61	4.20	0.20	HSF	—	—	—	3.1	HSF	3.9 PDX	—	3.9 GDY

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1968 DEC 23	9:28	35.60		SIZ	—	11	37.245	116.480	0.4	A	82	3.30	0.60	HSF	—	—	—	3.0	HSF	—	—	—	—
1968	9:38	40.90		SIZ	—	11	37.245	116.480	0.4	A	81	3.40	0.60	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	10:54	16.70		SIZ	—	11	37.222	116.507	0.3	A	95	2.90	0.40	HSF	—	—	—	2.3	HSF	—	—	—	—
1968	11:22	13.40		SIZ	—	11	37.240	116.512	0.4	A	84	4.50	0.40	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	11:43	5.00		SIZ	—	11	37.238	116.512	0.4	A	80	4.30	0.50	HSF	—	—	—	1.7	HSF	—	—	—	—
1968	13: 9:47.60			SIZ	—	11	37.232	116.515	1.1	B	74	3.70	1.40	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	13:46:38.40			SIZ	—	11	37.287	116.452	0.4	B	166	4.10	0.30	HSF	—	—	—	2.0	HSF	—	—	—	—
1968	14:35:51.40			SIZ	—	11	37.225	116.497	0.3	A	93	1.70	0.40	HSF	—	—	—	2.1	HSF	—	—	—	—
1968	15:36: 0.50			SIZ	—	11	37.203	116.512	0.4	A	103	4.60	0.40	HSF	—	—	—	2.3	HSF	—	—	—	—
1968	16:33:23.60			SIZ	—	11	37.208	116.505	0.3	A	100	3.20	0.50	HSF	—	—	—	2.3	HSF	—	—	—	—
1968	17:54:47.60			SIZ	—	11	37.185	116.512	0.4	A	111	2.80	0.70	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	20:26:17.20			SIZ	—	12	37.255	116.473	0.4	A	67	3.40	0.50	HSF	—	—	—	2.6	HSF	—	—	—	—
1968	22:21:21.40			SIZ	—	10	37.278	116.465	0.4	B	152	2.40	0.40	HSF	—	—	—	2.0	HSF	—	—	—	—
1968	23:24:36.80			SIZ	—	9	37.228	116.510	0.5	A	85	3.60	0.70	HSF	—	—	—	2.0	HSF	—	—	—	—
1968	23:28:16.20			SIZ	—	11	37.252	116.498	0.3	A	88	3.00	0.50	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	1: 6:30.60			SIZ	—	11	37.250	116.507	0.5	A	86	4.50	0.50	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	1:47:31.40			SIZ	—	11	37.203	116.488	0.2	A	63	1.70	0.50	HSF	—	—	—	1.4	HSF	—	—	—	—
1968	2:11: 1.90			SIZ	—	11	37.253	116.495	0.4	A	91	3.20	0.60	HSF	—	—	—	2.8	HSF	—	—	—	—
1968	2:13:15.20			SIZ	—	9	37.158	116.373	0.2	A	86	0.90	0.30	HSF	—	—	—	1.1	HSF	—	—	—	—
1968	3:13: 8.10			SIZ	—	11	37.200	116.498	0.3	A	105	2.00	0.50	HSF	—	—	—	2.2	HSF	—	—	—	—
1968	4:30:35.10			SIZ	—	10	37.157	116.368	0.3	A	87	0.60	0.40	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	4:44:25.70			SIZ	—	11	37.227	116.515	0.4	A	88	5.00	0.90	HSF	—	—	—	2.0	HSF	—	—	—	—
1968	5:53:33.00			SIZ	—	11	37.243	116.510	0.4	A	85	4.50	0.40	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	6:15:46.70			SIZ	—	11	37.243	116.510	0.4	A	85	4.40	0.40	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	6:31:59.90			SIZ	—	11	37.243	116.507	0.5	A	82	4.20	0.50	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	6:44: 3.30			SIZ	—	11	37.217	116.513	0.4	A	97	5.40	0.90	HSF	—	—	—	2.3	HSF	—	—	—	—
1968	7:35:54.90			SIZ	—	11	37.220	116.512	0.4	A	95	5.10	0.90	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	7:46: 7.60			SIZ	—	11	37.248	116.473	0.3	A	79	3.00	0.50	HSF	—	—	—	2.3	HSF	—	—	—	—
1968	8:29:14.50			SIZ	—	11	37.238	116.512	0.4	A	81	4.40	0.40	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	9:22:30.10			SIZ	—	11	37.250	116.513	0.4	A	94	4.70	0.40	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	9:58:41.00			SIZ	—	11	37.188	116.510	0.3	A	110	3.80	0.40	HSF	—	—	—	2.6	HSF	—	—	—	—
1968	10:10:30.10			SIZ	—	27	37.190	116.510	0.2	A	56	4.70	0.20	HSF	—	—	—	3.0	HSF	—	—	—	—
1968	10:35:13.80			SIZ	—	12	37.190	116.498	0.2	A	77	2.10	0.70	HSF	—	—	—	1.8	HSF	—	—	—	—
1968	11:23:32.60			SIZ	—	11	37.235	116.513	0.5	A	78	4.40	0.50	HSF	—	—	—	2.0	HSF	—	—	—	—
1968	11:51: 4.40			SIZ	—	11	37.228	116.503	0.4	A	91	3.50	0.50	HSF	—	—	—	2.6	HSF	—	—	—	—
1968	12:15:54.60			SIZ	—	11	37.188	116.502	0.3	A	110	2.90	0.50	HSF	—	—	—	2.8	HSF	—	—	—	—
1968	13:18:45.60			SIZ	—	11	37.277	116.463	0.3	B	149	2.80	0.50	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	13:41: 6.20			SIZ	—	11	37.190	116.513	0.3	A	114	2.90	0.50	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	14:39:45.30			SIZ	—	12	37.250	116.505	0.4	A	85	4.40	0.40	HSF	—	—	—	1.8	HSF	—	—	—	—
1968	15: 0:58.90			SIZ	—	12	37.212	116.498	0.2	A	61	2.50	0.50	HSF	—	—	—	2.0	HSF	—	—	—	—
1968	15:20: 0.40			SIZ	—	11	37.278	116.460	0.4	B	151	2.70	0.60	HSF	—	—	—	1.8	HSF	—	—	—	—
1968	15:25: 0.20			SIZ	—	12	37.270	116.463	0.3	B	134	2.70	0.40	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	15:27:59.40			SIZ	—	10	37.238	116.507	0.4	A	78	4.40	0.50	HSF	—	—	—	1.5	HSF	—	—	—	—
1968	15:34:28.90			SIZ	—	12	37.215	116.512	0.3	A	61	5.50	0.80	HSF	—	—	—	1.7	HSF	—	—	—	—
1968	15:36:23.70			SIZ	—	11	37.223	116.510	0.4	A	62	4.00	0.60	HSF	—	—	—	1.0	HSF	—	—	—	—
1968	20:47:59.70			SIZ	—	—	37.200	116.500	—	—	—	0.00*	—	HSF*	—	—	—	3.0	HSF	—	—	—	—
1968	22:33: 6.20			SIZ	—	12	37.202	116.485	0.2	A	62	2.70	0.40	HSF	—	—	—	2.9	HSF	—	—	—	—
1968	22:41: 6.10			SIZ	—	12	37.220	116.495	0.3	A	59	3.50	0.50	HSF	—	—	—	2.3	HSF	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE												
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1968 DEC 24	23:	4:	8.50	SIZ	—	12	37.212	116.513	0.3	A	63	5.60	0.80	HSF	—	—	—	1.6	HSF	—	—	—	—
1968	25	0:15:	1.80	SIZ	—	11	37.255	116.468	0.4	A	75	2.30	0.50	HSF	—	—	—	1.8	HSF	—	—	—	—
1968	25	2:10:	36.10	SIZ	—	11	37.193	116.512	0.3	A	107	3.60	0.40	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	25	2:49:	29.60	SIZ	—	11	37.192	116.510	0.3	A	108	3.60	0.40	HSF	—	—	—	2.9	HSF	—	—	—	—
1968	25	3:11:	26.50	SIZ	—	11	37.240	116.512	0.4	A	84	4.40	0.40	HSF	—	—	—	2.6	HSF	—	—	—	—
1968	25	3:44:	4.10	SIZ	—	11	37.193	116.510	0.3	A	108	3.10	0.40	HSF	—	—	—	2.6	HSF	—	—	—	—
1968	25	4:45:	58.80	SIZ	—	10	37.177	116.498	0.3	A	82	1.60	0.60	HSF	—	—	—	2.2	HSF	—	—	—	—
1968	25	5:40:	52.20	SIZ	—	11	37.260	116.493	0.4	A	106	3.10	0.60	HSF	—	—	—	2.3	HSF	—	—	—	—
1968	25	6:10:	45.60	SIZ	—	7	37.185	116.478	0.2	B	130	1.10	0.90	HSF	—	—	—	2.0	HSF	—	—	—	—
1968	25	6:56:	21.20	SIZ	—	11	37.250	116.498	0.4	A	87	3.90	0.40	HSF	—	—	—	2.7	HSF	—	—	—	—
1968	25	7:23:	2.10	SIZ	—	11	37.220	116.520	0.7	B	76	6.60	1.60	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	25	7:42:	41.20	SIZ	—	10	37.193	116.488	0.2	A	112	2.00	0.30	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	25	9:	3:49.90	SIZ	—	11	37.213	116.512	0.3	A	98	4.60	0.30	HSF	—	—	—	2.0	HSF	—	—	—	—
1968	25	9:39:	8.80	SIZ	—	11	37.240	116.500	0.4	A	78	3.60	0.50	HSF	—	—	—	2.7	HSF	—	—	—	—
1968	25	10:15:	5.20	SIZ	—	11	37.210	116.515	0.4	A	100	5.50	0.90	HSF	—	—	—	2.2	HSF	—	—	—	—
1968	25	11:36:	34.10	SIZ	—	11	37.292	116.452	0.2	B	174	4.40	0.20	HSF	—	—	—	2.2	HSF	—	—	—	—
1968	25	11:47:	19.70	SIZ	—	11	37.223	116.502	0.3	A	94	2.70	0.60	HSF	—	—	—	2.0	HSF	—	—	—	—
1968	25	12:38:	12.40	SIZ	—	11	37.243	116.488	0.4	A	82	3.10	0.70	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	25	13:35:	52.90	SIZ	—	11	37.222	116.488	0.2	A	94	1.90	0.30	HSF	—	—	—	2.3	HSF	—	—	—	—
1968	25	14:35:	4.80	SIZ	—	11	37.248	116.510	0.5	A	88	4.60	0.50	HSF	—	—	—	2.7	HSF	—	—	—	—
1968	25	15:	6:44.90	SIZ	—	12	37.198	116.467	0.2	B	59	2.80	0.40	HSF	—	—	—	2.2	HSF	—	—	—	—
1968	25	16:32:	28.60	SIZ	—	11	37.213	116.502	1.1	B	98	4.10	1.50	HSF	—	—	—	1.9	HSF	—	—	—	—
1968	25	17:52:	9.70	SIZ	—	11	37.213	116.515	0.5	A	99	5.50	1.10	HSF	—	—	—	2.2	HSF	—	—	—	—
1968	25	18:	3:43.30	SIZ	—	11	37.245	116.505	0.4	A	81	4.30	0.50	HSF	—	—	—	2.7	HSF	—	—	—	—
1968	25	19:32:	17.90	SIZ	—	11	37.247	116.508	0.4	A	85	4.40	0.40	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	25	21:	1:13.40	SIZ	—	11	37.227	116.507	0.4	A	90	4.40	0.40	HSF	—	—	—	2.2	HSF	—	—	—	—
1968	25	22:	7:39.80	SIZ	—	11	37.247	116.508	0.4	A	86	4.50	0.40	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	25	23:	0:55.80	SIZ	—	12	37.252	116.505	0.4	A	88	4.50	0.40	HSF	—	—	—	2.1	HSF	—	—	—	—
1968	25	23:	2:13.70	SIZ	—	12	37.198	116.515	0.3	A	85	2.30	0.40	HSF	—	—	—	2.1	HSF	—	—	—	—
1968	25	23:15:	51.80	SIZ	—	12	37.198	116.517	0.3	A	86	2.20	0.40	HSF	—	—	—	2.1	HSF	—	—	—	—
1968	25	23:17:	37.90	SIZ	—	11	37.198	116.518	0.6	B	88	2.60	1.10	HSF	—	—	—	1.8	HSF	—	—	—	—
1968	25	23:22:	26.70	SIZ	—	11	37.225	116.505	1.0	B	62	4.40	1.30	HSF	—	—	—	1.8	HSF	—	—	—	—
1968	25	23:33:	16.60	SIZ	—	11	37.232	116.503	0.6	B	69	3.50	0.90	HSF	—	—	—	1.8	HSF	—	—	—	—
1968	25	23:56:	18.80	SIZ	—	11	37.243	116.503	0.5	A	78	3.30	0.80	HSF	—	—	—	2.8	HSF	—	—	—	—
1968	26	0:	9.20	SIZ	—	10	37.247	116.502	0.5	A	79	3.50	0.80	HSF	—	—	—	1.9	HSF	—	—	—	—
1968	26	2:34:	44.30	SIZ	—	12	37.232	116.505	0.3	A	70	3.50	0.50	HSF	—	—	—	2.8	HSF	—	—	—	—
1968	26	3:15:	46.30	SIZ	—	12	37.248	116.503	0.4	A	82	4.00	0.40	HSF	—	—	—	3.0	HSF	3.9	PDX	—	—
1968	26	3:44:	37.70	SIZ	—	12	37.240	116.498	0.3	A	71	3.50	0.50	HSF	—	—	—	2.6	HSF	—	—	—	—
1968	26	4:	4:43.90	SIZ	—	11	37.238	116.508	0.3	A	77	4.20	0.50	HSF	—	—	—	2.1	HSF	—	—	—	—
1968	26	5:	6:42.00	SIZ	—	12	37.252	116.497	0.4	A	90	3.40	0.60	HSF	—	—	—	2.1	HSF	—	—	—	—
1968	26	5:48:	18.10	SIZ	—	12	37.237	116.518	0.7	B	85	4.20	0.80	HSF	—	—	—	2.6	HSF	—	—	—	—
1968	26	6:55:	25.90	SIZ	—	12	37.245	116.505	0.5	A	81	4.00	0.60	HSF	—	—	—	2.7	HSF	—	—	—	—
1968	26	7:	4:13.60	SIZ	—	11	37.275	116.485	0.3	B	138	2.00	0.20	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	26	7:	6:54.30	SIZ	—	13	37.202	116.473	0.1	A	60	1.50	0.30	HSF	—	—	—	2.5	HSF	—	—	—	—
1968	26	7:41:	32.10	SIZ	—	11	37.250	116.508	0.6	A	90	4.60	0.60	HSF	—	—	—	2.7	HSF	—	—	—	—
1968	26	8:36:	30.90	SIZ	—	12	37.212	116.508	0.3	A	63	4.70	0.40	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	26	8:49:	6.20	SIZ	—	12	37.205	116.495	0.2	A	63	3.10	0.30	HSF	—	—	—	2.4	HSF	—	—	—	—
1968	26	8:59:	49.50	SIZ	—	11	37.187	116.390	0.3	A	84	7.30	1.00	HSF	—	—	—	2.4	HSF	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE											
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	OTH	REF
1968 DEC 26	9:25:	0:30		SIZ	—	6	37.190	116.387	0.1	B	162	6.20	0.20	HSF	—	—	—	1.1	HSF	—	—
1968 26	10:30:	23:60		SIZ	—	12	37.232	116.507	0.4	A	71	3.30	0.50	HSF	—	—	—	2.0	HSF	—	—
1968 26	11:14:	13:60		SIZ	—	12	37.210	116.505	0.2	A	63	2.50	0.40	HSF	—	—	—	2.7	HSF	—	—
1968 26	11:36:	29:00		SIZ	—	12	37.255	116.495	0.4	A	93	3.10	0.60	HSF	—	—	—	2.6	HSF	—	—
1968 26	12: 5:	47:00		SIZ	—	10	37.202	116.477	0.1	A	64	1.90	0.20	HSF	—	—	—	2.0	HSF	—	—
1968 26	13:40:	17:60		SIZ	—	12	37.232	116.495	0.3	A	84	3.10	0.60	HSF	—	—	—	2.1	HSF	—	—
1968 26	14: 6:	34:10		SIZ	—	12	37.248	116.477	0.3	A	63	2.80	0.50	HSF	—	—	—	2.2	HSF	—	—
1968 26	15:13:	23:20		SIZ	—	12	37.240	116.510	0.4	A	82	4.30	0.50	HSF	—	—	—	2.0	HSF	—	—
1968 26	15:15:	12:20		SIZ	—	10	37.203	116.488	0.3	A	63	2.80	0.70	HSF	—	—	—	1.7	HSF	—	—
1968 26	16:19:	36:00		SIZ	—	11	37.197	116.513	0.5	A	85	5.00	0.50	HSF	—	—	—	2.0	HSF	—	—
1968 26	16:24:	11:00		SIZ	—	11	37.222	116.545	0.4	A	95	4.00	0.40	HSF	—	—	—	2.3	HSF	—	—
1968 26	17: 4:	45:10		SIZ	—	11	37.253	116.503	0.4	A	88	4.60	0.50	HSF	—	—	—	2.5	HSF	—	—
1968 26	18:43:	18:70		SIZ	—	10	37.260	116.467	0.4	A	104	2.20	0.40	HSF	—	—	—	1.9	HSF	—	—
1968 26	21: 7:	50:30		SIZ	—	27	37.255	116.503	0.2	A	48	4.80	0.20	HSF	—	—	—	3.1	HSF	—	—
1968 26	21:11:	3:20		SIZ	—	10	37.243	116.500	0.6	B	152	3.40	0.80	HSF	—	—	—	2.3	HSF	—	—
1968 26	21:42:	7:00		SIZ	—	10	37.247	116.500	0.5	A	82	3.40	0.80	HSF	—	—	—	1.9	HSF	—	—
1968 26	22:14:	6:00		SIZ	—	9	37.128	116.293	0.8	B	152	3.90	0.80	HSF	—	—	—	2.1	HSF	—	—
1968 26	22:29:	21:00		SIZ	—	8	37.127	116.290	1.0	B	160	4.20	0.80	HSF	—	—	—	1.9	HSF	—	—
1968 26	23:58:	34:40		SIZ	—	11	37.243	116.502	0.4	A	78	3.40	0.70	HSF	—	—	—	2.0	HSF	—	—
1968 26	23:59:	20:00		SIZ	—	8	37.252	116.510	0.7	A	92	4.40	0.70	HSF	—	—	—	1.8	HSF	—	—
1968 27	0:17:	18:00		SIZ	—	11	37.255	116.503	0.5	A	91	4.50	0.40	HSF	—	—	—	2.6	HSF	—	—
1968 27	1:10:	47:10		SIZ	—	20	37.253	116.507	0.2	A	76	4.60	0.20	HSF	—	—	—	3.2	HSF	—	—
1968 27	3:22:	37:40		SIZ	—	23	37.268	116.495	0.2	A	101	3.60	0.20	HSF	—	—	—	3.0	HSF	—	—
1968 27	4: 9:	32:10		SIZ	—	11	37.262	116.493	0.4	A	107	3.00	0.60	HSF	—	—	—	2.5	HSF	—	—
1968 27	5:22:	56:00		SIZ	—	11	37.223	116.507	0.3	A	94	3.30	0.50	HSF	—	—	—	2.3	HSF	—	—
1968 27	5:34:	47:10		SIZ	—	10	37.225	116.510	0.4	A	89	4.70	0.40	HSF	—	—	—	2.3	HSF	—	—
1968 27	5:51:	37:00		SIZ	—	10	37.255	116.507	0.5	B	121	4.50	0.50	HSF	—	—	—	1.8	HSF	—	—
1968 27	7:37:	59:20		SIZ	—	10	37.247	116.495	0.4	A	111	3.40	0.60	HSF	—	—	—	2.1	HSF	—	—
1968 27	8:30:	18:70		SIZ	—	9	37.202	116.508	0.4	B	123	0.10	2.30	HSF	—	—	—	2.1	HSF	—	—
1968 27	9: 1:	35:20		SIZ	—	9	37.205	116.513	0.6	B	127	1.30	4.90	HSF	—	—	—	2.0	HSF	—	—
1968 27	9:11:	44:00		SIZ	—	9	37.212	116.500	0.3	B	118	0.50	2.00	HSF	—	—	—	2.1	HSF	—	—
1968 27	10: 0:	30:00		SIZ	—	9	37.240	116.498	0.5	A	115	2.40	1.00	HSF	—	—	—	2.3	HSF	—	—
1968 27	12:30:	13:00		SIZ	—	9	37.178	116.510	0.3	B	120	3.10	0.60	HSF	—	—	—	2.4	HSF	—	—
1968 27	14: 2:	42:30		SIZ	—	9	37.237	116.510	0.6	B	127	3.20	1.00	HSF	—	—	—	2.2	HSF	—	—
1968 27	14:38:	48:10		SIZ	—	9	37.253	116.503	0.5	A	117	4.30	0.60	HSF	—	—	—	2.2	HSF	—	—
1968 27	14:58:	40:00		SIZ	—	9	37.237	116.510	0.5	B	126	2.30	1.20	HSF	—	—	—	2.3	HSF	—	—
1968 27	16:20:	24:00		SIZ	—	9	37.202	116.508	0.5	C	123	1.30	5.00	HSF	—	—	—	2.7	HSF	—	—
1968 27	16:38:	23:50		SIZ	—	7	37.238	116.512	0.6	B	128	1.90	0.90	HSF	—	—	—	2.0	HSF	—	—
1968 27	19: 9:	22:00		SIZ	—	9	37.220	116.507	0.4	B	95	1.50	0.60	HSF	—	—	—	2.2	HSF	—	—
1968 27	20:35:	38:50		SIZ	—	9	37.217	116.548	0.5	A	106	3.80	0.90	HSF	—	—	—	2.4	HSF	—	—
1968 27	21: 4:	55:30		SIZ	—	11	37.240	116.497	0.4	A	80	3.20	0.70	HSF	—	—	—	2.6	HSF	—	—
1968 27	23:29:	2:40		SIZ	—	26	37.248	116.505	0.2	A	43	4.30	0.20	HSF	—	—	2.9	PAS	—	—	GDY
1968 27	23:45:	22:00		SIZ	—	10	37.267	116.482	0.3	B	124	1.80	0.20	HSF	—	—	—	2.6	HSF	—	—
1968 28	0:19:	21:00		SIZ	—	10	37.245	116.495	1.0	C	151	0.00	0.90	HSF	—	—	—	2.1	HSF	—	—
1968 28	0:24:	9:10		SIZ	—	11	37.248	116.508	0.4	A	88	4.50	0.40	HSF	—	—	—	1.6	HSF	—	—
1968 28	1:38:	25:00		SIZ	—	11	37.242	116.510	0.4	A	83	4.50	0.40	HSF	—	—	—	2.3	HSF	—	—
1968 28	2:14:	36:20		SIZ	—	11	37.237	116.490	0.3	A	85	2.80	0.50	HSF	—	—	—	2.1	HSF	—	—
1968 28	2:29:	28:40		SIZ	—	11	37.265	116.472	0.4	A	119	3.90	0.50	HSF	—	—	—	2.5	HSF	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE															
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1968 DEC 28	2:34	35.60		SIZ	—	11	37.202	116.507	0.3	A	103	3.20	0.40	HSF	—	—	—	—	—	—	2.5	HSF	—	—	—	—
1968 28	2:43	33.40		SIZ	—	11	37.242	116.508	0.4	A	83	4.00	0.50	HSF	—	—	—	—	—	—	2.4	HSF	—	—	—	—
1968 28	2:46	53.30		SIZ	—	11	37.243	116.510	0.4	A	83	4.20	0.50	HSF	—	—	—	—	—	—	2.6	HSF	—	—	—	—
1968 28	3:33	17.70		SIZ	—	19	37.245	116.483	0.2	A	51	3.90	0.20	HSF	—	—	—	—	—	—	3.0	HSF	—	—	—	—
1968 28	3:55	55.20		SIZ	—	9	37.183	116.498	0.4	B	193	1.90	0.60	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1968 28	4:19	37.40		SIZ	—	22	37.232	116.493	0.2	A	55	4.00	0.20	HSF	—	—	—	—	—	—	3.1	HSF	—	—	—	—
1968 28	5:14	39.50		SIZ	—	11	37.222	116.507	0.3	A	95	3.00	0.50	HSF	—	—	—	—	—	—	2.3	HSF	—	—	—	—
1968 28	5:58	18.20		SIZ	—	11	37.225	116.547	0.8	B	91	4.00	0.80	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1968 28	6: 2	25.70		SIZ	—	11	37.222	116.548	0.4	A	98	4.00	0.40	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1968 28	6:44	29.30		SIZ	—	11	37.250	116.508	0.4	A	89	4.90	0.40	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1968 28	6:49	17.30		SIZ	—	10	37.233	116.505	0.4	A	81	3.20	0.60	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1968 28	7:34	19.10		SIZ	—	11	37.247	116.510	0.4	A	88	4.50	0.40	HSF	—	—	—	—	—	—	2.2	HSF	—	—	—	—
1968 28	8:48	17.80		SIZ	—	11	37.243	116.512	0.4	A	87	4.40	0.40	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1968 28	9:11	26.30		SIZ	—	11	37.233	116.500	0.3	A	85	3.40	0.50	HSF	—	—	—	—	—	—	2.7	HSF	—	—	—	—
1968 28	11:18	45.60		SIZ	—	11	37.238	116.517	0.4	A	84	4.50	0.40	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1968 28	12: 4	58.80		SIZ	—	10	37.227	116.490	0.3	A	92	3.10	0.60	HSF	—	—	—	—	—	—	2.7	HSF	—	—	—	—
1968 28	12:28	2.70		SIZ	—	10	37.222	116.497	0.3	A	94	3.30	0.30	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1968 28	13: 0	42.30		SIZ	—	11	37.210	116.512	0.4	A	100	4.90	0.40	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1968 28	13: 4	52.40		SIZ	—	11	37.240	116.508	0.4	A	80	4.90	0.40	HSF	—	—	—	—	—	—	2.2	HSF	—	—	—	—
1968 28	13: 7	39.40		SIZ	—	11	37.208	116.512	0.3	A	100	4.90	0.40	HSF	—	—	—	—	—	—	2.6	HSF	—	—	—	—
1968 28	13: 9	7.70		SIZ	—	11	37.210	116.512	0.4	A	100	4.90	0.40	HSF	—	—	—	—	—	—	2.4	HSF	—	—	—	—
1968 28	13:13	36.00		SIZ	—	11	37.222	116.495	0.3	A	95	2.80	0.70	HSF	—	—	—	—	—	—	2.3	HSF	—	—	—	—
1968 28	13:30	48.10		SIZ	—	11	37.205	116.512	0.9	B	102	4.20	1.10	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1968 28	13:34	1.80		SIZ	—	11	37.242	116.495	0.8	B	80	1.40	1.20	HSF	—	—	—	—	—	—	2.4	HSF	—	—	—	—
1968 28	13:35	38.70		SIZ	—	11	37.210	116.513	0.3	A	100	5.30	0.70	HSF	—	—	—	—	—	—	2.4	HSF	—	—	—	—
1968 28	13:40	57.30		SIZ	—	11	37.245	116.503	0.4	A	79	3.10	0.70	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1968 28	13:44	18.10		SIZ	—	11	37.203	116.510	0.3	A	103	2.80	0.50	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1968 28	14:22	18.80		SIZ	—	11	37.248	116.485	0.3	A	77	2.20	0.40	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1968 28	14:49	13.60		SIZ	—	11	37.203	116.512	0.3	A	103	4.80	0.40	HSF	—	—	—	—	—	—	2.5	HSF	—	—	—	—
1968 28	15: 4	30.60		SIZ	—	22	37.263	116.497	0.2	A	76	4.00	0.20	HSF	—	—	—	—	—	—	3.0	HSF	—	—	—	—
1968 28	15:17	44.60		SIZ	—	11	37.218	116.502	0.3	A	96	1.80	0.40	HSF	—	—	—	—	—	—	2.5	HSF	—	—	—	—
1968 28	15:24	32.80		SIZ	—	11	37.247	116.512	0.4	A	89	4.60	0.40	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1968 28	16: 7	46.30		SIZ	—	11	37.203	116.512	0.3	A	103	5.50	0.80	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1968 28	17: 6	20.70		SIZ	—	11	37.203	116.512	0.4	A	103	5.40	0.90	HSF	—	—	—	—	—	—	2.5	HSF	—	—	—	—
1968 28	17:18	33.60		SIZ	—	11	37.252	116.508	0.4	A	91	4.60	0.40	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1968 28	17:34	34.20		SIZ	—	11	37.425	116.553	1.7	C	289	10.80	1.40	HSF	—	—	—	—	—	—	2.2	HSF	—	—	—	—
1968 28	18:10	37.00		SIZ	—	11	37.198	116.492	1.1	C	105	2.20	2.30	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1968 28	19: 3	20.00		SIZ	—	11	37.263	116.495	0.4	A	110	3.90	0.50	HSF	—	—	—	—	—	—	2.2	HSF	—	—	—	—
1968 28	19:22	25.60		SIZ	—	11	37.263	116.483	0.3	A	114	2.30	0.30	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1968 28	19:51	59.80		SIZ	—	11	37.202	116.485	0.1	A	104	2.00	0.30	HSF	—	—	—	—	—	—	2.6	HSF	—	—	—	—
1968 28	19:54	14.50		SIZ	—	11	37.200	116.483	0.2	A	104	1.90	0.30	HSF	—	—	—	—	—	—	2.2	HSF	—	—	—	—
1968 28	19:58	10.10		SIZ	—	10	37.197	116.502	0.3	A	106	2.60	0.50	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1968 28	21:48	18.40		SIZ	—	11	37.253	116.510	0.4	A	93	4.80	0.40	HSF	—	—	—	—	—	—	2.3	HSF	—	—	—	—
1968 28	23: 3	51.60		SIZ	—	10	37.243	116.510	0.5	A	86	4.40	0.60	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1968 28	23:43	32.80		SIZ	—	10	37.212	116.500	0.2	A	99	2.50	0.30	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1968 29	1:21	34.90		SIZ	—	10	37.210	116.552	0.5	A	118	4.30	0.50	HSF	—	—	—	—	—	—	2.5	HSF	—	—	—	—
1968 29	1:24	43.10		SIZ	—	11	37.218	116.548	0.4	A	105	3.80	0.40	HSF	—	—	—	—	—	—	2.2	HSF	—	—	—	—
1968 29	1:28	7.70		SIZ	—	11	37.227	116.500	0.4	A	93	3.80	0.60	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1968 DEC 29	2:12	34.40		SIZ	—	11	37.262	116.468	0.3	A	112	3.20	0.40	HSF	—	—	—	2.6	HSF	—	—	—	—
1968 29	2:13	33.10		SIZ	—	23	37.267	116.470	0.2	A	73	3.20	0.20	HSF	—	—	—	3.0	HSF	—	—	—	—
1968 29	2:22	57.00		SIZ	—	20	37.267	116.470	0.2	A	74	3.30	0.20	HSF	—	—	—	3.1	HSF	—	—	—	—
1968 29	2:33	1.30		SIZ	—	10	37.245	116.513	0.5	A	89	4.50	0.50	HSF	—	—	—	2.3	HSF	—	—	—	—
1968 29	2:59	12.80		SIZ	—	9	37.208	116.513	0.4	A	101	5.40	0.50	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 29	2:59	45.30		SIZ	—	11	37.230	116.500	0.3	A	91	3.10	0.60	HSF	—	—	—	2.4	HSF	—	—	—	—
1968 29	3:15	0.90		SIZ	—	11	37.212	116.510	0.4	A	98	4.90	0.40	HSF	—	—	—	2.1	HSF	—	—	—	—
1968 29	3:33	4.40		SIZ	—	8	37.222	116.520	1.7	B	95	6.70	5.20	HSF	—	—	—	2.1	HSF	—	—	—	—
1968 29	3:43	36.20		SIZ	—	10	37.265	116.468	0.4	A	120	2.90	0.70	HSF	—	—	—	2.7	HSF	—	—	—	—
1968 29	3:51	29.00		SIZ	—	11	37.230	116.507	0.4	A	85	4.50	0.40	HSF	—	—	—	1.9	HSF	—	—	—	—
1968 29	3:54	5.00		SIZ	—	11	37.210	116.513	0.3	A	99	5.50	0.80	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 29	3:56	50.50		SIZ	—	9	37.243	116.510	0.6	A	86	4.40	0.70	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 29	4:50	14.60		SIZ	—	11	37.250	116.513	0.4	A	93	4.50	0.40	HSF	—	—	—	1.9	HSF	—	—	—	—
1968 29	5:12	9.90		SIZ	—	11	37.243	116.475	0.3	A	81	2.90	0.50	HSF	—	—	—	2.5	HSF	—	—	—	—
1968 29	5:17	29.50		SIZ	—	11	37.273	116.483	0.3	B	137	2.20	0.40	HSF	—	—	—	2.4	HSF	—	—	—	—
1968 29	5:21	28.10		SIZ	—	26	37.247	116.512	0.2	A	44	4.50	0.20	HSF	—	—	—	2.5	HSF	—	—	—	—
1968 29	5:25	52.70		SIZ	—	11	37.235	116.488	0.3	A	86	3.10	0.60	HSF	—	—	—	2.2	HSF	—	—	—	—
1968 29	5:27	59.90		SIZ	—	11	37.237	116.480	0.3	A	85	2.90	0.60	HSF	—	—	—	2.6	HSF	—	—	—	—
1968 29	5:29	54.10		SIZ	—	26	37.240	116.480	0.3	B	40	3.60	0.30	HSF	—	—	—	3.1	HSF	—	—	—	—
1968 29	5:33	20.40		SIZ	—	11	37.220	116.548	0.4	A	102	3.70	0.40	HSF	—	—	—	1.9	HSF	—	—	—	—
1968 29	6:41	35.10		SIZ	—	10	37.233	116.502	0.5	A	85	3.10	0.80	HSF	—	—	—	1.4	HSF	—	—	—	—
1968 29	6:55	46.00		SIZ	—	10	37.252	116.510	0.5	A	93	4.70	0.40	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 29	8:52	0.00		SIZ	—	11	37.225	116.498	0.4	A	94	3.70	0.40	HSF	—	—	—	2.2	HSF	—	—	—	—
1968 29	10:26	56.10		SIZ	—	11	37.218	116.503	0.3	A	96	3.30	0.50	HSF	—	—	—	1.7	HSF	—	—	—	—
1968 29	11:35	37.40		SIZ	—	11	37.267	116.490	0.3	A	120	2.90	0.50	HSF	—	—	—	2.2	HSF	—	—	—	—
1968 29	12:19	33.90		SIZ	—	11	37.217	116.548	0.4	A	107	3.80	0.30	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 29	13:24	1.20		SIZ	—	12	37.255	116.512	0.4	A	97	4.80	0.30	HSF	—	—	—	2.3	HSF	—	—	—	—
1968 29	13:34	36.30		SIZ	—	7	37.253	116.478	0.4	B	171	2.60	0.90	HSF	—	—	—	1.7	HSF	—	—	—	—
1968 29	14:46	30.40		SIZ	—	11	37.238	116.498	0.3	A	81	3.40	0.50	HSF	—	—	—	2.4	HSF	—	—	—	—
1968 29	15:51	47.10		SIZ	—	11	37.262	116.495	0.4	A	107	3.80	0.40	HSF	—	—	—	2.5	HSF	—	—	—	—
1968 29	16:13	31.00		SIZ	—	11	37.252	116.503	0.4	A	85	4.40	0.40	HSF	—	—	—	2.4	HSF	—	—	—	—
1968 29	16:17	8.10		SIZ	—	11	37.252	116.500	0.4	A	88	4.30	0.40	HSF	—	—	—	2.1	HSF	—	—	—	—
1968 29	16:59	19.10		SIZ	—	11	37.265	116.502	0.4	A	107	4.60	0.40	HSF	—	—	—	2.4	HSF	—	—	—	—
1968 29	17:55	55.30		SIZ	—	10	37.248	116.512	0.5	A	89	4.80	0.40	HSF	—	—	—	1.5	HSF	—	—	—	—
1968 29	18:48	19.10		SIZ	—	11	37.260	116.470	0.3	A	110	3.00	0.40	HSF	—	—	—	2.5	HSF	—	—	—	—
1968 29	18:53	25.30		SIZ	—	11	37.242	116.507	0.5	A	79	3.80	0.60	HSF	—	—	—	1.7	HSF	—	—	—	—
1968 29	19:24	23.30		SIZ	—	11	37.217	116.548	0.5	A	109	3.60	0.50	HSF	—	—	—	2.6	HSF	—	—	—	—
1968 29	19:30	37.90		SIZ	—	11	37.265	116.517	0.9	B	113	4.70	0.80	HSF	—	—	—	1.5	HSF	—	—	—	—
1968 29	21:17	18.50		SIZ	—	11	37.245	116.482	0.5	B	81	3.60	0.90	HSF	—	—	—	2.4	HSF	—	—	—	—
1968 29	21:22	45.30		SIZ	—	11	37.218	116.547	0.5	A	105	4.10	0.50	HSF	—	—	—	2.3	HSF	—	—	—	—
1968 29	21:27	51.50		SIZ	—	11	37.218	116.547	0.4	A	101	3.70	0.50	HSF	—	—	—	2.3	HSF	—	—	—	—
1968 29	21:45	8.90		SIZ	—	11	37.217	116.548	0.5	A	107	4.00	0.50	HSF	—	—	—	2.6	HSF	—	—	—	—
1968 29	23:38	29.50		SIZ	—	11	37.237	116.507	0.4	A	76	3.40	0.60	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 29	23:51	7.10		SIZ	—	11	37.245	116.503	0.4	A	81	3.10	0.80	HSF	—	—	—	1.8	HSF	—	—	—	—
1968 30	0: 9	32.20		SIZ	—	11	37.250	116.510	0.5	A	92	4.60	0.50	HSF	—	—	—	2.1	HSF	—	—	—	—
1968 30	0:15	57.10		SIZ	—	25	37.230	116.493	0.1	A	56	3.70	0.20	HSF	—	—	—	2.9	HSF	—	—	—	—
1968 30	2: 3	32.80		SIZ	—	11	37.253	116.510	0.4	A	92	4.70	0.40	HSF	—	—	—	2.2	HSF	—	—	—	—
1968 30	2:28	41.10		SIZ	—	11	37.220	116.547	0.4	A	100	4.10	0.40	HSF	—	—	—	2.3	HSF	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE														
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1968 DEC 30	2:46	34.70		SIZ	—	11	37.253	116.510	0.4	A	93	4.70	0.40	HSF	—	—	—	2.5	HSF	—	—	—	—
1968 30	3:1	58.90		SIZ	—	11	37.237	116.488	0.4	A	86	2.90	0.70	HSF	—	—	—	2.4	HSF	—	—	—	—
1968 30	3:10	33.10		SIZ	—	11	37.247	116.500	0.4	A	81	3.30	0.70	HSF	—	—	—	2.6	HSF	—	—	—	—
1968 30	4:8	13.70		SIZ	—	11	37.213	116.505	0.3	A	99	3.50	0.50	HSF	—	—	—	1.9	HSF	—	—	—	—
1968 30	4:13	27.00		SIZ	—	11	37.213	116.510	0.4	A	98	4.10	0.50	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 30	4:40	27.80		SIZ	—	11	37.217	116.550	0.4	A	111	4.10	0.40	HSF	—	—	—	2.6	HSF	—	—	—	—
1968 30	4:58	33.00		SIZ	—	10	37.218	116.548	0.4	A	105	4.10	0.40	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 30	5:45	28.40		SIZ	—	11	37.240	116.515	0.5	A	86	4.50	0.50	HSF	—	—	—	2.6	HSF	—	—	—	—
1968 30	5:54	59.00		SIZ	—	11	37.263	116.493	0.4	A	110	3.00	0.60	HSF	—	—	—	1.9	HSF	—	—	—	—
1968 30	6:18	44.80		SIZ	—	11	37.230	116.505	0.3	A	87	3.30	0.50	HSF	—	—	—	1.7	HSF	—	—	—	—
1968 30	6:40	1.40		SIZ	—	11	37.238	116.512	0.5	A	81	4.20	0.60	HSF	—	—	—	1.5	HSF	—	—	—	—
1968 30	8:42	15.40		SIZ	—	10	37.235	116.482	0.3	A	86	2.90	0.60	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 30	9:0	1.50		SIZ	—	10	37.238	116.513	0.4	A	83	4.60	0.50	HSF	—	—	—	1.8	HSF	—	—	—	—
1968 30	9:33	38.40		SIZ	—	11	37.225	116.498	0.4	A	94	3.80	0.50	HSF	—	—	—	1.8	HSF	—	—	—	—
1968 30	9:54	23.10		SIZ	—	9	37.218	116.553	0.4	A	116	3.90	0.40	HSF	—	—	—	1.8	HSF	—	—	—	—
1968 30	10:7	2.40		SIZ	—	10	37.250	116.512	0.4	A	93	4.70	0.50	HSF	—	—	—	1.7	HSF	—	—	—	—
1968 30	11:9	6.10		SIZ	—	11	37.233	116.483	0.3	A	87	3.00	0.50	HSF	—	—	—	1.8	HSF	—	—	—	—
1968 30	13:16	38.00		SIZ	—	10	37.223	116.545	0.5	A	91	3.70	0.50	HSF	—	—	—	1.7	HSF	—	—	—	—
1968 30	14:16	31.50		SIZ	—	11	37.220	116.512	0.4	A	96	4.60	0.50	HSF	—	—	—	2.4	HSF	—	—	—	—
1968 30	15:30	5.80		SIZ	—	10	37.250	116.473	0.4	A	90	3.30	0.80	HSF	—	—	—	1.6	HSF	—	—	—	—
1968 30	16:51	19.20		SIZ	—	11	37.223	116.498	0.4	A	94	3.30	0.60	HSF	—	—	—	2.2	HSF	—	—	—	—
1968 30	17:0	10.80		SIZ	—	11	37.223	116.498	0.4	A	94	3.20	0.70	HSF	—	—	—	2.2	HSF	—	—	—	—
1968 30	19:30	31.50		SIZ	—	10	37.227	116.510	0.5	A	86	4.40	0.60	HSF	—	—	—	2.7	HSF	—	—	—	—
1968 30	20:2	7.00		SIZ	—	11	37.223	116.505	0.4	A	94	3.50	0.60	HSF	—	—	—	2.2	HSF	—	—	—	—
1968 31	2:4	8.90		SIZ	—	10	37.228	116.505	0.5	A	89	3.70	0.70	HSF	—	—	—	2.4	HSF	—	—	—	—
1968 31	3:28	13.10		SIZ	—	10	37.235	116.498	0.4	A	86	3.50	0.70	HSF	—	—	—	2.3	HSF	—	—	—	—
1968 31	7:2	7.90		SIZ	—	10	37.232	116.507	0.5	A	82	3.20	0.80	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 31	8:43	30.10		SIZ	—	10	37.212	116.507	0.4	A	99	4.60	0.50	HSF	—	—	—	1.9	HSF	—	—	—	—
1968 31	9:30	53.80		SIZ	—	10	37.225	116.490	0.3	A	93	3.00	0.60	HSF	—	—	—	2.2	HSF	—	—	—	—
1968 31	10:32	4.90		SIZ	—	10	37.250	116.508	0.5	A	88	4.50	0.50	HSF	—	—	—	2.5	HSF	—	—	—	—
1968 31	10:58	52.90		SIZ	—	10	37.260	116.497	0.5	A	103	4.30	0.60	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 31	12:25	40.10		SIZ	—	10	37.240	116.507	0.5	A	79	3.30	0.70	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 31	12:27	49.40		SIZ	—	10	37.227	116.507	0.5	A	90	4.50	0.60	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 31	12:43	39.40		SIZ	—	10	37.243	116.503	0.5	A	79	3.20	0.80	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 31	13:52	17.80		SIZ	—	11	37.242	116.508	0.6	A	81	4.60	0.70	HSF	—	—	—	2.0	HSF	—	—	—	—
1968 31	13:53	26.40		SIZ	—	11	37.210	116.508	0.4	A	100	4.60	0.40	HSF	—	—	—	2.1	HSF	—	—	—	—
1968 31	14:1	11.70		SIZ	—	10	37.243	116.505	0.5	A	79	3.50	0.70	HSF	—	—	—	1.9	HSF	—	—	—	—
1968 31	16:29	18.10		SIZ	—	21	37.247	116.502	0.2	A	45	3.90	0.30	HSF	—	—	—	3.3	HSF	—	—	—	—
1968 31	16:34	46.10		SIZ	—	22	37.247	116.498	0.2	A	43	3.80	0.20	HSF	—	—	—	3.1	HSF	—	—	—	—
1968 31	18:12	51.90		SIZ	—	10	37.235	116.500	0.4	A	83	3.20	0.70	HSF	—	—	—	2.2	HSF	—	—	—	—
1968 31	21:26	22.60		SIZ	—	25	37.277	116.483	0.2	A	56	2.10	0.20	HSF	—	—	—	3.0	HSF	—	—	—	—
1968 31	22:14	41.50		SIZ	—	10	37.192	116.495	0.8	B	110	2.00	1.30	HSF	—	—	—	2.2	HSF	—	—	—	—
1968 31	23:59	46.50		SIZ	—	11	37.190	116.512	0.3	A	110	2.40	0.50	HSF	—	—	—	2.4	HSF	—	—	—	—
1969 JAN 1	3:48	32.10		SIZ	—	11	37.270	116.485	0.3	B	130	1.50	0.30	HSF	—	—	—	2.1	HSF	—	—	—	—
1969 1	4:51	56.10		SIZ	—	11	37.258	116.537	1.1	B	146	9.10	1.90	HSF	—	—	—	1.8	HSF	—	—	—	—
1969 1	4:52	7.30		SIZ	—	10	37.252	116.500	0.4	A	114	4.60	0.50	HSF	—	—	—	2.7	HSF	—	—	—	—
1969 1	5:11	47.40		SIZ	—	11	37.220	116.547	0.4	A	100	3.70	0.50	HSF	—	—	—	2.3	HSF	—	—	—	—
1969 1	5:43	27.00		SIZ	—	11	37.212	116.552	0.4	A	117	4.30	0.40	HSF	—	—	—	2.5	HSF	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1969 JAN 1	5:57:28.80			SIZ	—	11	37.247	116.500	0.4	A	81	3.50	0.50	HSF	—	—	—	—	2.5	HSF	—	—	—
1969 1	6:30: 7.60			SIZ	—	11	37.188	116.515	0.3	A	110	2.30	0.50	HSF	—	—	—	—	2.3	HSF	—	—	—
1969 1	8:31:51.80			SIZ	—	11	37.248	116.498	0.4	A	83	3.60	0.60	HSF	—	—	—	—	2.2	HSF	—	—	—
1969 1	9: 0:28.10			SIZ	—	11	37.213	116.567	1.2	C	146	0.30	1.10	HSF	—	—	—	—	2.0	HSF	—	—	—
1969 1	9:44:15.10			SIZ	—	11	37.227	116.470	0.1	A	88	1.50	0.10	HSF	—	—	—	—	2.0	HSF	—	—	—
1969 1	10: 5: 5.20			SIZ	—	11	37.213	116.508	0.4	A	98	4.50	0.50	HSF	—	—	—	—	2.1	HSF	—	—	—
1969 1	13:46:17.80			SIZ	—	10	37.228	116.510	0.5	A	84	4.70	0.50	HSF	—	—	—	—	1.8	HSF	—	—	—
1969 1	14:35: 0.00			SIZ	—	10	37.202	116.487	0.3	A	103	2.30	1.70	HSF	—	—	—	—	2.0	HSF	—	—	—
1969 1	15:17:24.90			SIZ	—	9	37.252	116.503	0.5	A	87	4.30	0.60	HSF	—	—	—	—	1.7	HSF	—	—	—
1969 1	16:11:27.50			SIZ	—	10	37.242	116.512	0.4	A	86	4.60	0.50	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 1	17:23:23.50			SIZ	—	10	37.253	116.495	0.4	B	92	3.40	0.80	HSF	—	—	—	—	2.5	HSF	—	—	—
1969 1	20:12:40.90			SIZ	—	10	37.210	116.512	0.4	A	99	5.40	0.90	HSF	—	—	—	—	1.8	HSF	—	—	—
1969 1	20:43:28.00			SIZ	—	10	37.190	116.512	0.4	A	109	2.50	0.70	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 1	20:43:58.00			SIZ	—	10	37.240	116.510	0.4	A	83	4.70	0.50	HSF	—	—	—	—	2.4	HSF	—	—	—
1969 1	21: 8:48.80			SIZ	—	10	37.232	116.510	0.4	A	79	4.40	0.50	HSF	—	—	—	—	1.7	HSF	—	—	—
1969 1	21:59:10.80			SIZ	—	10	37.265	116.472	0.4	A	118	4.00	0.50	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 1	23:33:39.10			SIZ	—	10	37.232	116.462	0.2	B	83	2.70	0.30	HSF	—	—	—	—	2.0	HSF	—	—	—
1969 2	0:10: 6.30			SIZ	—	10	37.217	116.512	0.5	A	97	4.90	0.50	HSF	—	—	—	—	2.2	HSF	—	—	—
1969 2	1:26:20.10			SIZ	—	10	37.252	116.503	0.3	B	85	4.40	0.40	HSF	—	—	—	—	2.0	HSF	—	—	—
1969 2	1:52:39.40			SIZ	—	10	37.243	116.507	0.4	A	82	4.50	0.50	HSF	—	—	—	—	2.1	HSF	—	—	—
1969 2	1:58:11.40			SIZ	—	10	37.188	116.512	0.3	A	111	3.50	0.50	HSF	—	—	—	—	2.4	HSF	—	—	—
1969 2	3: 4:53.20			SIZ	—	9	37.210	116.552	0.7	A	119	3.80	0.60	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 2	3:26:36.90			SIZ	—	9	37.253	116.493	0.5	B	92	2.80	1.10	HSF	—	—	—	—	1.8	HSF	—	—	—
1969 2	3:33:21.20			SIZ	—	10	37.250	116.505	0.5	A	85	4.60	0.60	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 2	6: 8:23.40			SIZ	—	10	37.247	116.495	0.4	A	83	3.10	0.80	HSF	—	—	—	—	2.1	HSF	—	—	—
1969 2	6:58:23.00			SIZ	—	10	37.252	116.505	0.5	B	86	4.60	0.60	HSF	—	—	—	—	2.4	HSF	—	—	—
1969 2	8:13:47.40			SIZ	—	10	37.250	116.495	0.4	B	88	2.90	0.80	HSF	—	—	—	—	2.1	HSF	—	—	—
1969 2	8:31:26.60			SIZ	—	10	37.253	116.513	0.4	A	75	4.50	0.50	HSF	—	—	—	—	2.2	HSF	—	—	—
1969 2	11:35: 4.60			SIZ	—	9	37.230	116.510	0.5	A	81	4.70	0.60	HSF	—	—	—	—	1.8	HSF	—	—	—
1969 2	13: 2:18.40			SIZ	—	20	37.190	116.510	0.2	A	55	3.90	0.30	HSF	—	—	—	—	2.9	HSF	—	—	—
1969 2	13: 4:12.00			SIZ	—	19	37.190	116.512	0.3	A	55	4.20	0.30	HSF	—	—	—	—	2.9	HSF	—	—	—
1969 2	13:19: 1.00			SIZ	—	9	37.180	116.508	0.4	A	114	2.90	0.70	HSF	—	—	—	—	2.0	HSF	—	—	—
1969 2	14:54:21.50			SIZ	—	10	37.188	116.510	0.4	A	110	3.60	0.60	HSF	—	—	—	—	2.0	HSF	—	—	—
1969 2	15: 3:27.30			SIZ	—	9	37.240	116.488	0.4	A	84	2.80	0.60	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 2	15: 9:44.30			SIZ	—	10	37.187	116.510	0.5	A	111	4.00	0.60	HSF	—	—	—	—	2.2	HSF	—	—	—
1969 2	15:10:46.20			SIZ	—	10	37.185	116.505	0.5	A	111	4.00	0.70	HSF	—	—	—	—	2.5	HSF	—	—	—
1969 2	15:42:35.30			SIZ	—	10	37.183	116.512	0.4	A	113	3.80	0.50	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 2	19: 8:34.50			SIZ	—	9	37.183	116.500	0.2	A	113	2.00	0.30	HSF	—	—	—	—	2.3	HSF	—	—	—
1969 2	19:16:24.30			SIZ	—	9	37.200	116.498	0.3	A	105	2.80	0.60	HSF	—	—	—	—	2.0	HSF	—	—	—
1969 2	22:27:59.90			SIZ	—	10	37.240	116.507	1.1	B	78	3.20	1.90	HSF	—	—	—	—	2.0	HSF	—	—	—
1969 2	23: 3:53.70			SIZ	—	10	37.218	116.513	0.6	A	97	4.50	0.60	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 2	23:10:51.00			SIZ	—	11	37.258	116.470	0.3	A	104	2.90	0.50	HSF	—	—	—	—	2.4	HSF	—	—	—
1969 3	9:19:24.70			SIZ	—	11	37.272	116.483	0.3	B	134	2.10	0.40	HSF	—	—	—	—	2.4	HSF	—	—	—
1969 3	9:23:10.60			SIZ	—	10	37.195	116.498	0.3	A	107	3.00	0.60	HSF	—	—	—	—	2.4	HSF	—	—	—
1969 3	12:59:23.90			SIZ	—	11	37.228	116.460	0.3	A	84	0.20	0.50	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 4	4:32:53.70			SIZ	—	9	37.205	116.505	0.3	B	102	0.00	1.80	HSF	—	—	—	—	2.3	HSF	—	—	—
1969 4	14:10:10.30			SIZ	—	20	37.230	116.510	0.4	B	71	4.40	0.40	HSF	—	—	—	—	2.7	HSF	—	—	—
1969 5	1:58:11.50			SIZ	—	10	37.280	116.465	0.5	B	160	2.20	0.40	HSF	—	—	—	—	2.7	HSF	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE											
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	DEPTH	ERZ	REF	I	MS	ML	MD	mb	OTH	
1969 JAN 5	1:49	19	90	SIZ	—	10	37.238	116.507	0.4	B	87	3.00	HSF	—	—	—	2.7	HSF	—	
1969 5	5:24	21	10	SIZ	—	9	37.215	116.507	0.4	B	98	2.60	HSF	—	—	—	2.2	HSF	—	
1969 6	6:34	14	00	SIZ	—	17	37.245	116.508	0.3	B	84	4.20	HSF	—	—	4.5	PDX	4.6	GDY	
1969 6	6:56	0	00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	HSF*	—	—	—	3.1	HSF	—	
1969 6	8: 3	10	40	SIZ	—	9	37.218	116.503	0.4	B	96	2.50	HSF	—	—	—	2.7	HSF	—	
1969 6	9:41	28	60	SIZ	—	9	37.187	116.478	0.2	B	111	2.80	HSF	—	—	—	2.1	HSF	—	
1969 6	15:57	17	20	SIZ	—	8	37.170	116.538	0.5	C	119	0.60*	HSF	—	—	—	2.3	HSF	—	
1969 6	20:59	59	00	SIZ	—	10	37.245	116.517	0.6	B	134	4.80	HSF	—	—	—	2.7	HSF	—	
1969 7	0:48	0	00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	HSF*	—	—	—	3.0	HSF	—	
1969 7	11:15	16	60	SIZ	—	10	37.247	116.515	0.5	B	132	4.60	HSF	—	—	—	2.7	HSF	—	
1969 7	12: 1	7	70	SIZ	—	10	37.213	116.563	1.1	B	140	7.60	HSF	—	—	—	2.4	HSF	—	
1969 7	12: 7	51	30	SIZ	—	11	37.197	116.550	0.9	B	121	4.20	HSF	—	—	—	2.3	HSF	—	
1969 7	13:50	48	10	SIZ	—	11	37.247	116.507	0.5	A	85	4.40	HSF	—	—	—	1.6	HSF	—	
1969 8	11:46	52	20	SIZ	—	17	37.275	116.490	0.3	A	99	3.10	HSF	—	—	—	3.2	HSF	3.9	GDY
1969 8	13: 3	40	00	SIZ	—	11	37.203	116.493	0.3	A	103	2.90	HSF	—	—	—	2.3	HSF	—	
1969 8	20:44	56	80	SIZ	—	7	37.220	116.515	0.5	D	226	0.00*	HSF	—	—	—	3.3	HSF	—	
1969 8	21: 6	20	80	SIZ	—	7	37.215	116.513	0.6	C	225	0.60*	HSF	—	—	—	3.4	HSF	—	
1969 8	23:49	12	80	SIZ	—	19	37.215	116.508	0.3	A	98	4.50	HSF	5	BRP	4.0	BRP	4.1	GDY	
1969 9	0: 5	0	00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	HSF*	—	—	—	3.0	HSF	—	
1969 9	0:13	18	10	SIZ	—	16	37.220	116.510	0.3	A	96	4.30	HSF	—	—	—	3.3	HSF	4.1	GDY
1969 9	0:15	14	20	SIZ	—	15	37.223	116.510	0.4	B	94	4.40	HSF	—	—	—	3.3	HSF	—	
1969 9	1:47	0	00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	HSF*	—	—	—	3.0	HSF	—	
1969 9	3: 8	58	10	SIZ	—	19	37.212	116.510	0.3	A	98	4.70	HSF	—	—	—	3.0	HSF	—	
1969 9	3:16	0	80	SIZ	—	15	37.210	116.510	0.3	A	100	4.80	HSF	—	—	—	3.3	HSF	4.1	GDY
1969 9	3:19	0	00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	HSF*	—	—	—	3.0	HSF	—	
1969 9	5:52	28	90	SIZ	—	17	37.277	116.485	0.3	B	146	2.00	HSF	—	—	—	3.3	HSF	—	
1969 9	6:22	35	00	SIZ	—	19	37.223	116.510	0.3	A	89	4.60	HSF	—	—	—	3.3	HSF	—	
1969 9	7:46	32	30	SIZ	—	18	37.203	116.510	0.3	A	104	4.40	HSF	—	—	—	3.2	HSF	3.9	PDX
1969 9	10:13	57	90	SIZ	—	13	37.197	116.513	0.3	A	106	5.60	HSF	—	—	—	3.0	HSF	—	
1969 9	11: 8	53	40	SIZ	—	11	37.178	116.510	0.4	A	115	3.40	HSF	—	—	—	2.5	HSF	—	
1969 9	11:15	47	30	SIZ	—	—	37.188	116.513	1.2	B	110	10.30	HSF	—	—	—	2.2	HSF	—	
1969 9	11:19	0	80	SIZ	—	11	37.177	116.510	0.5	A	116	3.70	HSF	—	—	—	1.8	HSF	—	
1969 9	12:41	16	40	SIZ	—	11	37.193	116.515	0.4	A	108	5.50	HSF	—	—	—	2.0	HSF	—	
1969 9	12:57	59	60	SIZ	—	13	37.210	116.515	0.3	A	99	5.30	HSF	—	—	—	2.8	HSF	—	
1969 9	13:16	24	60	SIZ	—	11	37.188	116.510	0.6	A	110	3.80	HSF	—	—	—	2.1	HSF	—	
1969 9	14:12	24	20	SIZ	—	11	37.222	116.537	1.2	B	84	5.30	HSF	—	—	—	2.4	HSF	—	
1969 9	18:39	29	40	SIZ	—	—	37.202	116.515	0.4	A	104	5.40	HSF	—	—	—	2.8	HSF	—	
1969 9	18:48	22	50	SIZ	—	11	37.200	116.513	0.4	A	104	4.80	HSF	—	—	—	2.0	HSF	—	
1969 9	20:16	48	80	SIZ	—	11	37.208	116.520	0.5	A	101	5.60	HSF	—	—	—	2.2	HSF	—	
1969 9	21:13	10	40	SIZ	—	10	37.188	116.515	0.4	A	110	5.40	HSF	—	—	—	2.2	HSF	—	
1969 10	8: 8	41	00	SIZ	—	19	37.180	116.513	0.2	A	115	2.10	HSF	—	—	—	3.0	HSF	—	
1969 10	9: 5	0	00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	HSF*	—	—	—	3.0	HSF	—	
1969 10	9:41	23	45	SIZ	—	—	37.134	116.482	—	—	—	8.00*	GDY	—	—	4.6	PDX	4.4	GDY	
1969 10	9:59	0	00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	HSF*	—	—	—	3.0	HSF	—	
1969 10	10:52	0	00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	HSF*	—	—	—	3.2	HSF	—	
1969 10	10:54	0	00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	HSF*	—	—	—	3.1	HSF	—	
1969 10	11:47	0	00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	HSF*	—	—	—	3.0	HSF	—	
1969 10	12: 3	0	00	SIZ	—	—	37.200	116.500	—	—	—	0.00*	HSF*	—	—	—	3.0	HSF	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1969 JAN 10	12: 8: 0.00			SIZ	—	—	37.200	116.500	—	—	—	0.00*	—	HSF*	—	—	—	—	3.2 HSF	—	—	—	—
1969 10	12:21:34.10			SIZ	—	15	37.178	116.513	0.3	A	116	1.60	0.60	HSF	—	—	—	—	3.0 HSF	—	—	—	—
1969 10	15:20:43.80			SIZ	—	10	37.170	116.513	0.5	A	120	3.50	0.80	HSF	—	—	—	—	2.7 HSF	—	—	—	—
1969 10	15:33:59.00			SIZ	—	10	37.177	116.515	0.3	A	116	2.00	0.50	HSF	—	—	—	—	2.8 HSF	—	—	—	—
1969 10	15:39:56.00			SIZ	—	15	37.173	116.513	0.2	A	118	2.30	0.40	HSF	—	—	—	—	2.8 HSF	—	—	—	—
1969 10	17: 1:47.69			SIZ	—	—	37.100	116.291	—	—	—	8.00*	—	GDY	—	—	—	—	3.4 HSF	4.4	PDX	4.4	GDY
1969 10	17: 3: 0.00			SIZ	—	—	37.200	116.500	—	—	—	0.00*	—	HSF*	—	—	—	—	3.1 HSF	—	—	—	—
1969 10	17: 7: 0.00			SIZ	—	—	37.200	116.500	—	—	—	0.00*	—	HSF*	—	—	—	—	3.0 HSF	—	—	—	—
1969 10	17:14:17.30			SIZ	—	18	37.185	116.512	0.3	A	113	3.00	0.40	HSF	—	—	—	—	3.4 HSF	4.3	PDX	4.3	GDY
1969 10	17:23: 5.10			SIZ	—	10	37.165	116.548	0.7	B	137	6.50	2.60	HSF	—	—	—	—	2.8 HSF	—	—	—	—
1969 10	17:27:44.30			SIZ	—	7	37.170	116.518	0.9	D	241	0.60*	—	HSF	—	—	—	—	2.1 HSF	—	—	—	—
1969 10	17:28:35.20			SIZ	—	17	37.195	116.510	0.3	A	107	3.70	0.40	HSF	—	—	—	—	3.0 HSF	—	—	—	—
1969 11	1:28: 0.00			SIZ	—	—	37.200	116.500	—	—	—	0.00*	—	HSF*	—	—	—	—	3.2 HSF	—	—	—	—
1969 11	9:52:29.20			SIZ	—	18	37.177	116.512	0.3	A	117	3.70	0.40	HSF	—	—	—	—	2.5 HSF	—	—	—	—
1969 11	11: 7: 6.00			SIZ	—	11	37.170	116.508	0.2	A	120	1.60	0.40	HSF	—	—	—	—	2.4 HSF	—	—	—	—
1969 11	17:38:45.10			SIZ	—	10	37.163	116.512	0.2	B	125	2.10	2.60	HSF	—	—	—	—	1.9 HSF	—	—	—	—
1969 11	18:18:26.90			SIZ	—	11	37.165	116.517	0.3	B	124	1.70	0.50	HSF	—	—	—	—	2.1 HSF	—	—	—	—
1969 11	22:28:36.30			SIZ	—	11	37.147	116.512	0.3	B	135	0.60	2.60	HSF	—	—	—	—	2.4 HSF	—	—	—	—
1969 12	20:25:46.50			SIZ	—	10	37.242	116.515	0.6	B	132	4.30	0.60	HSF	—	—	—	—	2.3 HSF	—	—	—	—
1969 12	22:44:48.40			SIZ	—	10	37.253	116.503	0.6	A	118	4.50	0.60	HSF	—	—	—	—	2.5 HSF	—	—	—	—
1969 13	1:23:28.00			SIZ	—	20	37.188	116.495	0.2	A	110	2.30	0.30	HSF	—	—	—	—	2.7 HSF	—	—	—	—
1969 13	2:30: 6.50			SIZ	—	20	37.177	116.513	0.2	A	116	1.90	0.30	HSF	—	—	—	—	3.2 HSF	—	—	—	—
1969 13	2:45:10.40			SIZ	—	19	37.177	116.512	0.2	A	117	1.40	0.50	HSF	—	—	—	—	2.9 HSF	—	—	—	—
1969 13	2:47:38.80			SIZ	—	20	37.175	116.513	0.2	A	117	1.60	0.40	HSF	—	—	—	—	2.8 HSF	—	—	—	—
1969 13	3:13: 5.20			SIZ	—	9	37.155	116.513	0.4	B	130	2.70	0.90	HSF	—	—	—	—	1.9 HSF	—	—	—	—
1969 13	4:43:35.50			SIZ	—	10	37.183	116.513	0.3	A	112	1.90	0.40	HSF	—	—	—	—	2.6 HSF	—	—	—	—
1969 13	15:54:13.80			SIZ	—	10	37.247	116.492	0.4	A	108	2.70	0.80	HSF	—	—	—	—	2.6 HSF	—	—	—	—
1969 14	8:35:20.80			SIZ	—	8	37.175	116.505	0.3	A	117	1.70	0.60	HSF	—	—	—	—	2.0 HSF	—	—	—	—
1969 14	20:31:36.10			SIZ	—	18	37.158	116.515	0.3	B	128	2.10	0.50	HSF	—	—	—	—	2.0 HSF	—	—	—	—
1969 15	1:24:42.40			SIZ	—	10	37.177	116.508	0.2	A	116	1.70	0.40	HSF	—	—	—	—	2.8 HSF	—	—	—	—
1969 15	10:43: 4.10			SIZ	—	10	37.262	116.490	1.3	B	109	4.80	1.30	HSF	—	—	—	—	2.4 HSF	—	—	—	—
1969 15	19:14:18.30			SIZ	—	9	37.185	116.498	0.4	C	191	2.20	2.10	HSF	—	—	—	—	3.0 HSF	—	—	—	—
1969 15	20:13:41.00			CSNL	—	7	37.600	116.200	—	—	—	3.00*	—	ISC	—	—	—	—	—	—	—	3.5	ISC
1969 15	21: 7:44.30			SIZ	—	6	37.200	116.563	3.2	D	259	2.60	2.40	HSF*	—	—	—	—	2.5 HSF	—	—	—	—
1969 16	9:18: 6.00			SIZ	—	—	37.200	116.200	—	—	—	0.00*	—	HSF*	—	—	—	—	3.1 HSF	—	—	—	—
1969 16	9:25:45.50			SIZ	—	8	37.160	116.512	0.4	B	127	2.40	1.10	HSF	—	—	—	—	2.8 HSF	—	—	—	—
1969 17	12:15:59.50			SIZ	—	9	37.172	116.512	0.5	A	119	4.20	0.60	HSF	—	—	—	—	2.0 HSF	—	—	—	—
1969 17	18: 1:22.90			SIZ	—	8	37.212	116.553	0.7	B	157	4.30	0.60	HSF	—	—	—	—	2.7 HSF	—	—	—	—
1969 18	0:17:13.50			SIZ	—	6	37.208	116.498	2.0	D	267	0.60*	—	HSF	—	—	—	—	2.5 HSF	—	—	—	—
1969 18	3:30:14.30			SIZ	—	7	37.235	116.490	0.6	B	197	3.10	0.90	HSF	—	—	—	—	2.4 HSF	—	—	—	—
1969 18	3:40: 3.80			SIZ	—	7	37.240	116.482	1.2	C	185	3.70	1.60	HSF	—	—	—	—	2.5 HSF	—	—	—	—
1969 18	3:54:56.60			SIZ	—	7	37.205	116.553	1.4	D	253	0.60*	—	HSF	—	—	—	—	2.3 HSF	—	—	—	—
1969 18	4: 0:33.00			SIZ	—	6	37.180	116.497	1.4	D	228	0.60*	—	HSF	—	—	—	—	2.0 HSF	—	—	—	—
1969 18	5: 9: 5.10			SIZ	—	7	37.230	116.512	1.0	B	220	3.30	1.10	HSF	—	—	—	—	2.4 HSF	—	—	—	—
1969 18	6: 3:12.50			SIZ	—	6	37.162	116.483	1.0	D	260	0.60*	—	HSF	—	—	—	—	1.8 HSF	—	—	—	—
1969 18	7:30:16.40			SIZ	—	6	37.213	116.495	0.9	C	214	0.60*	—	HSF	—	—	—	—	1.5 HSF	—	—	—	—
1969 18	8:22:30.90			SIZ	—	5	37.163	116.533	1.4	D	251	0.60*	—	HSF	—	—	—	—	1.8 HSF	—	—	—	—
1969 18	10:46:27.30			SIZ	—	6	37.163	116.525	0.9	D	247	0.60*	—	HSF	—	—	—	—	1.2 HSF	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1969 JAN 18	14:26:21.70			SIZ	—	7	37.170	116.510	0.9	D	238	0.60*	—	HSF	—	—	—	—	2.3	HSF	—	—	—
1969 18	14:48:29.90			SIZ	—	6	37.233	116.527	2.0	C	231	3.10	1.90	HSF	—	—	—	—	1.4	HSF	—	—	—
1969 18	15:29:29.70			SIZ	—	7	37.232	116.510	0.9	B	217	2.80	1.30	HSF	—	—	—	—	2.3	HSF	—	—	—
1969 18	16:26:56.70			SIZ	—	6	37.212	116.505	1.1	C	221	0.60*	—	HSF	—	—	—	—	2.1	HSF	—	—	—
1969 18	17:48:2.30			SIZ	—	6	37.182	116.467	0.9	C	210	0.60*	—	HSF	—	—	—	—	1.6	HSF	—	—	—
1969 19	4:15:35.80			SIZ	—	6	37.280	116.492	0.5	B	148	3.20	0.70	HSF	—	—	—	—	2.1	HSF	—	—	—
1969 19	5:57:12.80			SIZ	—	6	37.262	116.493	1.3	C	179	4.90	1.40	HSF	—	—	—	—	1.5	HSF	—	—	—
1969 19	7: 2:31.30			SIZ	—	6	37.200	116.583	1.9	D	269	0.60*	—	HSF	—	—	—	—	2.4	HSF	—	—	—
1969 19	7: 7: 2.50			SIZ	—	6	37.198	116.577	1.7	D	266	0.60*	—	HSF	—	—	—	—	2.4	HSF	—	—	—
1969 19	8: 7:52.90			SIZ	—	6	37.198	116.567	1.6	D	261	0.60*	—	HSF	—	—	—	—	1.8	HSF	—	—	—
1969 19	9:23:25.20			SIZ	—	6	37.188	116.515	1.0	D	241	0.60*	—	HSF	—	—	—	—	1.8	HSF	—	—	—
1969 19	13:12:47.90			SIZ	—	6	37.200	116.562	1.6	D	259	0.60*	—	HSF	—	—	—	—	2.2	HSF	—	—	—
1969 19	13:39:44.20			SIZ	—	6	37.200	116.553	1.2	D	255	0.60*	—	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 19	13:51:11.00			SIZ	—	7	37.200	116.555	1.2	D	265	0.60*	—	HSF	—	—	—	—	2.4	HSF	—	—	—
1969 19	14:35:27.70			SIZ	—	6	37.195	116.575	1.7	D	265	0.60*	—	HSF	—	—	—	—	2.1	HSF	—	—	—
1969 19	17:15:25.50			SIZ	—	6	37.198	116.555	1.3	D	255	0.60*	—	HSF	—	—	—	—	2.0	HSF	—	—	—
1969 19	19:18:15.90			SIZ	—	6	37.193	116.585	1.3	D	270	0.60*	—	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 19	19:33: 9.00			SIZ	—	6	37.198	116.558	1.3	D	258	0.60*	—	HSF	—	—	—	—	2.1	HSF	—	—	—
1969 19	19:49:33.80			SIZ	—	6	37.198	116.568	1.8	D	261	0.60*	—	HSF	—	—	—	—	2.4	HSF	—	—	—
1969 19	20: 3:18.50			SIZ	—	6	37.215	116.520	1.2	D	230	0.60*	—	HSF	—	—	—	—	1.8	HSF	—	—	—
1969 19	23:33:22.50			SIZ	—	6	37.198	116.560	1.8	D	258	0.60*	—	HSF	—	—	—	—	1.8	HSF	—	—	—
1969 20	2:59:59.50			SIZ	—	6	37.197	116.568	1.7	D	262	0.60*	—	HSF	—	—	—	—	2.1	HSF	—	—	—
1969 20	3:43:46.70			SIZ	—	6	37.197	116.572	2.1	D	264	0.60*	—	HSF	—	—	—	—	2.2	HSF	—	—	—
1969 20	3:46: 7.40			SIZ	—	6	37.195	116.565	1.5	D	260	0.60*	—	HSF	—	—	—	—	2.3	HSF	—	—	—
1969 20	3:49: 7.40			SIZ	—	5	37.193	116.567	1.6	D	261	0.60*	—	HSF	—	—	—	—	1.5	HSF	—	—	—
1969 20	5:52:33.30			SIZ	—	6	37.225	116.522	1.2	D	229	0.60*	—	HSF	—	—	—	—	2.3	HSF	—	—	—
1969 20	10:29:22.80			SIZ	—	6	37.190	116.540	2.2	D	247	0.60*	—	HSF	—	—	—	—	1.6	HSF	—	—	—
1969 20	13:23:23.40			SIZ	—	6	37.265	116.492	0.7	B	174	3.30	1.00	HSF	—	—	—	—	2.7	HSF	—	—	—
1969 20	14:29: 0.00			SIZ	—	—	37.200	116.200	—	—	233	0.60*	—	HSF*	—	—	—	—	3.2	HSF	—	—	—
1969 20	14:30:54.90			SIZ	—	6	37.175	116.505	1.0	D	233	0.60*	—	HSF	—	—	—	—	2.2	HSF	—	—	—
1969 20	15:44: 7.10			SIZ	—	5	37.197	116.543	3.0	D	286	0.60*	—	HSF	—	—	—	—	1.7	HSF	—	—	—
1969 20	16:49:36.40			SIZ	—	6	37.193	116.577	1.4	D	266	0.60*	—	HSF	—	—	—	—	1.8	HSF	—	—	—
1969 20	17: 9:24.00			SIZ	—	6	37.262	116.507	0.7	B	195	4.60	0.70	HSF	—	—	—	—	2.5	HSF	—	—	—
1969 21	1:54:13.60			SIZ	—	5	37.195	116.573	2.3	D	265	0.60*	—	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 21	7: 0:25.20			SIZ	—	5	37.195	116.490	0.7	D	218	0.60*	—	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 21	8:24:41.60			SIZ	—	5	37.245	116.508	0.5	D	208	3.00*	—	HSF	—	—	—	—	2.7	HSF	—	—	—
1969 21	23:51:38.60			SIZ	—	5	37.222	116.523	0.9	D	230	0.60*	—	HSF	—	—	—	—	2.2	HSF	—	—	—
1969 22	1:51:58.80			SIZ	—	5	37.247	116.518	—	D	220	4.00	—	HSF	—	—	—	—	2.4	HSF	—	—	—
1969 22	3: 4:33.30			SIZ	—	5	37.188	116.535	1.1	D	245	0.60*	—	HSF	—	—	—	—	1.9	HSF	—	—	—
1969 22	7:47:33.70			SIZ	—	5	37.200	116.522	0.5	D	235	0.60*	—	HSF	—	—	—	—	2.1	HSF	—	—	—
1969 22	8:15:21.00			SIZ	—	5	37.198	116.493	0.8	D	218	0.60*	—	HSF	—	—	—	—	1.6	HSF	—	—	—
1969 22	12:15: 4.10			SIZ	—	5	37.230	116.540	—	D	243	1.80	—	HSF	—	—	—	—	1.8	HSF	—	—	—
1969 22	12:40:50.00			SIZ	—	5	37.162	116.533	1.2	D	251	0.60*	—	HSF	—	—	—	—	2.0	HSF	—	—	—
1969 22	13:24:31.30			SIZ	—	5	37.227	116.525	—	D	231	0.30	—	HSF	—	—	—	—	1.2	HSF	—	—	—
1969 22	15: 0: 2.60			SIZ	—	—	37.000	116.000	—	A	—	20.00*	—	BRP	—	—	—	—	—	—	4.6	PDX	—
1969 22	15:45:27.50			CSNL	—	—	37.000	116.000	—	A	—	33.00*	—	BRP	—	—	—	—	—	—	—	—	—
1969 23	0: 0:21.20			SIZ	—	7	37.230	116.513	1.0	B	221	2.90	1.30	HSF	—	—	—	—	2.2	HSF	—	—	—
1969 23	2:28:14.20			SIZ	—	7	37.195	116.478	0.7	C	212	0.60*	—	HSF	—	—	—	—	1.7	HSF	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE															
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1969	JAN	23	3:12	2	40	SIZ	—	7	37.230	116.517	0.9	B	223	2.90	1.10	HSF	—	—	—	—	—	—	2.5	HSF	—	—	—	—
1969		23	3:36	55	50	SIZ	—	7	37.185	116.512	0.7	D	233	0.60*	—	HSF	—	—	—	—	—	—	2.4	HSF	—	—	—	—
1969		23	6:24	48	90	SIZ	—	6	37.200	116.530	0.7	D	240	0.60*	—	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1969		23	7:28	39	30	SIZ	—	5	37.230	116.498	—	D	207	3.40	—	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1969		23	12:14	11	60	SIZ	—	6	37.220	116.523	1.3	D	231	0.60*	—	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1969		23	15: 8	35	10	SIZ	—	5	37.265	116.503	—	D	188	6.80	—	HSF	—	—	—	—	—	—	1.5	HSF	—	—	—	—
1969		23	15:13	47	70	SIZ	—	7	37.203	116.553	1.2	D	254	0.60*	—	HSF	—	—	—	—	—	—	2.5	HSF	—	—	—	—
1969		23	16:33	29	70	SIZ	—	6	37.195	116.485	0.8	C	215	0.60*	—	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1969		23	17:15	51	90	SIZ	—	7	37.202	116.553	1.1	D	253	0.60*	—	HSF	—	—	—	—	—	—	2.4	HSF	—	—	—	—
1969		23	17:37	19	60	SIZ	—	7	37.202	116.545	1.1	D	249	0.60*	—	HSF	—	—	—	—	—	—	2.2	HSF	—	—	—	—
1969		23	18:25	57	90	SIZ	—	5	37.203	116.552	1.9	D	252	0.60*	—	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1969		24	0:36	46	20	SIZ	—	5	37.262	116.470	—	D	157	3.40	—	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1969		24	1: 0	46	60	SIZ	—	6	37.217	116.477	0.8	D	251	0.60*	—	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1969		24	1:54	46	00	SIZ	—	7	37.232	116.513	1.1	C	221	2.70	1.40	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1969		24	5:10	58	70	SIZ	—	6	37.230	116.517	1.4	C	223	3.20	1.50	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1969		24	6:31	16	80	SIZ	—	7	37.207	116.517	0.7	D	230	0.60*	—	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1969		24	7:26	5	00	SIZ	—	6	37.202	116.518	0.9	D	233	0.60*	—	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1969		24	9:56	47	30	SIZ	—	6	37.243	116.528	1.1	C	231	4.80	1.00	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—
1969		24	11:45	21	50	SIZ	—	7	37.202	116.552	1.3	D	253	0.60*	—	HSF	—	—	—	—	—	—	2.9	HSF	—	—	—	—
1969		24	12:40	31	30	SIZ	—	7	37.200	116.558	1.4	D	256	0.60*	—	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1969		24	12:51	32	70	SIZ	—	7	37.192	116.513	0.9	D	232	0.60*	—	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—
1969		24	13:28	33	00	SIZ	—	7	37.207	116.548	1.4	D	251	0.60*	—	HSF	—	—	—	—	—	—	1.5	HSF	—	—	—	—
1969		24	14:48	20	10	SIZ	—	5	37.238	116.532	—	D	236	4.50	—	HSF	—	—	—	—	—	—	1.5	HSF	—	—	—	—
1969		24	14:52	1	90	SIZ	—	6	37.203	116.548	1.6	D	250	0.60*	—	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1969		24	17:27	49	80	SIZ	—	7	37.245	116.508	1.1	C	208	4.20	1.30	HSF	—	—	—	—	—	—	2.2	HSF	—	—	—	—
1969		24	17:40	20	40	SIZ	—	6	37.198	116.567	1.9	D	261	0.60*	—	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1969		24	19:36	26	50	SIZ	—	6	37.200	116.573	1.8	D	264	0.60*	—	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1969		24	21:47	51	10	SIZ	—	5	37.200	116.545	1.9	D	249	0.60*	—	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1969		25	7:21	14	50	SIZ	—	7	37.205	116.548	1.4	D	251	0.60	—	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1969		25	7:35	2	70	SIZ	—	7	37.203	116.548	1.2	D	250	0.60*	—	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1969		25	10:23	34	40	SIZ	—	7	37.200	116.552	1.2	D	253	0.60*	—	HSF	—	—	—	—	—	—	2.4	HSF	—	—	—	—
1969		25	10:31	8	40	SIZ	—	6	37.198	116.525	2.0	D	279	0.60*	—	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1969		25	10:59	7	00	SIZ	—	7	37.208	116.552	1.3	D	253	0.60*	—	HSF	—	—	—	—	—	—	2.2	HSF	—	—	—	—
1969		25	12:45	11	10	SIZ	—	6	37.203	116.515	1.0	D	230	0.60*	—	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1969		25	17:18	49	80	SIZ	—	7	37.202	116.515	0.7	D	231	0.60*	—	HSF	—	—	—	—	—	—	2.7	HSF	—	—	—	—
1969		26	0:56	5	70	SIZ	—	7	37.200	116.518	0.7	D	232	0.60*	—	HSF	—	—	—	—	—	—	2.4	HSF	—	—	—	—
1969		26	3: 9	42	40	SIZ	—	7	37.200	116.513	0.8	D	230	0.60*	—	HSF	—	—	—	—	—	—	2.5	HSF	—	—	—	—
1969		26	5: 8	36	70	SIZ	—	7	37.153	116.510	1.0	D	244	0.60*	—	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1969		27	3:20	32	00	SIZ	—	6	37.198	116.572	1.7	D	264	0.60*	—	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1969		27	6: 0	57	60	SIZ	—	7	37.190	116.527	0.8	D	241	0.60*	—	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1969		27	7: 5	35	10	SIZ	—	7	37.213	116.557	1.7	D	255	0.60*	—	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1969		27	7:14	6	50	SIZ	—	7	37.212	116.552	1.6	D	253	0.60*	—	HSF	—	—	—	—	—	—	2.3	HSF	—	—	—	—
1969		27	11:26	51	30	SIZ	—	7	37.220	116.515	0.9	C	224	0.60*	—	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1969		27	13: 2	20	70	SIZ	—	6	37.232	116.493	1.2	C	202	3.90	1.70	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1969		27	18:42	48	90	SIZ	—	5	37.215	116.525	0.5	D	233	0.60*	—	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1969		28	6:15	48	90	SIZ	—	5	37.215	116.525	0.7	D	234	0.60*	—	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1969		28	7:32	18	00	SIZ	—	6	37.248	116.505	1.0	C	203	3.10	1.30	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1969		28	7:59	47	20	SIZ	—	6	37.102	116.578	2.8	D	280	0.60*	—	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER			INTENSITY			MAGNITUDE								
	HR	MIN	SEC	NO	LATITUDE	LONGITUDE	ERH	Q	DEPTH	ERZ	REF	I	MS	ML	MD	mb	OTH
1969 JAN 28	9:26:31.30			5	37.243	116.510	—	D 212	2.80	—	HSF	—	—	—	1.7 HSF	—	—
1969 28	9:28:43.90			6	37.197	116.522	1.3	D 236	0.60*	—	HSF	—	—	—	1.9 HSF	—	—
1969 28	14:10:17.80			7	37.197	116.520	0.8	D 234	0.60*	—	HSF	—	—	—	2.2 HSF	—	—
1969 29	2:30:52.10			7	37.197	116.492	0.4	C 218	0.60*	—	HSF	—	—	—	2.2 HSF	—	—
1969 29	4:36:52.60			5	37.298	116.447	—	D 158	3.30	—	HSF	—	—	—	1.5 HSF	—	—
1969 29	8:2:17.10			7	37.200	116.517	0.7	D 232	0.60*	—	HSF	—	—	—	2.5 HSF	—	—
1969 29	12:52:37.10			6	37.228	116.647	4.2	D 299	0.60*	—	HSF	—	—	—	2.3 HSF	—	—
1969 29	13:32:48.34			—	37.354	116.706	—	—	8.00*	—	GDY	—	—	—	3.1 HSF	3.9 PDX	3.9 GDY
1969 29	19:24:50.40			7	37.212	116.532	1.3	D 239	0.60*	—	HSF	—	—	—	2.4 HSF	—	—
1969 29	20:56:51.40			6	37.242	116.488	1.1	C 190	1.60	5.10	HSF	—	—	—	1.9 HSF	—	—
1969 29	22:31:4.70			7	37.200	116.555	1.3	D 255	0.60*	—	HSF	—	—	—	1.9 HSF	—	—
1969 29	23:3:7.70			7	37.248	116.523	1.4	C 224	5.00	4.10	HSF	—	—	—	2.6 HSF	—	—
1969 29	23:59:39.90			7	37.255	116.502	0.7	B 193	2.50	1.00	HSF	—	—	—	2.4 HSF	—	—
1969 30	0:40:46.50			7	37.205	116.517	0.6	D 230	0.60*	—	HSF	—	—	—	2.1 HSF	—	—
1969 30	1:3:54.50			6	37.278	116.490	0.5	B 150	2.90	0.80	HSF	—	—	—	2.3 HSF	—	—
1969 30	6:19:18.00			7	37.258	116.517	1.3	C 211	6.30	3.20	HSF	—	—	—	2.0 HSF	—	—
1969 30	6:20:10.60			5	37.270	116.530	—	D 230	9.70	—	HSF	—	—	—	1.7 HSF	—	—
1969 30	6:45:18.30			7	37.207	116.513	0.7	D 228	0.60*	—	HSF	—	—	—	1.6 HSF	—	—
1969 30	8:45:36.90			6	37.198	116.513	0.8	D 230	0.60*	—	HSF	—	—	—	1.6 HSF	—	—
1969 30	14:56:33.20			7	37.245	116.510	0.9	C 210	3.00*	—	HSF	—	—	—	2.5 HSF	—	—
1969 30	18:24:34.70			7	37.200	116.520	0.9	D 234	0.60*	—	HSF	—	—	—	2.2 HSF	—	—
1969 30	18:56:35.00			6	37.220	116.515	1.1	C 225	0.60*	—	HSF	—	—	—	2.0 HSF	—	—
1969 30	23:22:29.00			7	37.218	116.517	0.7	D 227	0.60*	—	HSF	—	—	—	1.9 HSF	—	—
1969 30	23:39:2.00			6	37.258	116.502	1.2	C 192	3.40	1.60	HSF	—	—	—	2.1 HSF	—	—
1969 31	2:2:18.50			7	37.200	116.518	1.2	D 232	0.60*	—	HSF	—	—	—	2.2 HSF	—	—
1969 31	3:58:45.20			6	37.198	116.518	1.0	D 234	0.60*	—	HSF	—	—	—	1.8 HSF	—	—
1969 31	5:29:5.30			5	37.197	116.512	0.9	D 231	0.60*	—	HSF	—	—	—	1.7 HSF	—	—
1969 31	8:1:18.50			8	37.252	116.563	0.6	B 199	2.90	0.70	HSF	—	—	—	2.5 HSF	—	—
1969 31	13:18:37.80			6	37.247	116.497	0.8	B 195	2.70	1.30	HSF	—	—	—	1.6 HSF	—	—
1969 31	15:34:40.10			6	37.203	116.502	0.8	C 221	0.60*	—	HSF	—	—	—	1.8 HSF	—	—
1969 31	15:44:58.00			6	37.202	116.550	1.4	D 252	0.60*	—	HSF	—	—	—	2.0 HSF	—	—
1969 31	15:52:50.10			6	37.202	116.570	2.3	D 263	0.60*	—	HSF	—	—	—	1.9 HSF	—	—
1969 31	16:8:0.60			6	37.202	116.552	1.7	D 253	0.60*	—	HSF	—	—	—	1.8 HSF	—	—
1969 31	16:21:43.10			6	37.265	116.488	0.4	C 170	3.00*	—	HSF	—	—	—	1.8 HSF	—	—
1969 31	22:56:41.90			7	37.193	116.507	0.9	D 229	0.60*	—	HSF	—	—	—	2.3 HSF	—	—
1969 FEB 1	2:18:50.50			7	37.197	116.518	0.7	D 234	0.60*	—	HSF	—	—	—	2.0 HSF	—	—
1969 1	10:5:31.70			6	37.248	116.517	1.7	C 216	3.40	2.30	HSF	—	—	—	1.2 HSF	—	—
1969 1	16:12:2.00			6	37.232	116.513	1.2	C 219	2.50	4.80	HSF	—	—	—	1.6 HSF	—	—
1969 1	16:49:4.70			7	37.162	116.570	1.5	D 266	0.60*	—	HSF	—	—	—	2.8 HSF	—	—
1969 1	22:32:37.90			7	37.207	116.510	0.7	D 227	0.60*	—	HSF	—	—	—	2.6 HSF	—	—
1969 1	23:31:16.40			7	37.250	116.527	1.8	D 229	5.10	8.50	HSF	—	—	—	2.1 HSF	—	—
1969 1	23:44:54.80			5	37.238	116.488	—	D 193	6.20	—	HSF	—	—	—	2.0 HSF	—	—
1969 2	2:11:56.80			5	37.242	116.522	1.6	D 225	3.00*	—	HSF	—	—	—	1.6 HSF	—	—
1969 2	8:25:22.60			6	37.275	116.488	0.6	B 155	3.00*	0.80	HSF	—	—	—	3.5 HSF	—	—
1969 2	8:27:0.00			—	37.200	116.200	—	—	0.00*	—	HSF*	—	—	—	3.2 HSF	—	—
1969 2	8:48:0.40			5	37.275	116.490	—	D 157	2.90	—	HSF	—	—	—	1.6 HSF	—	—
1969 2	10:28:58.70			6	37.202	116.522	1.3	D 234	0.60*	—	HSF	—	—	—	2.2 HSF	—	—
1969 2	12:22:14.90			6	37.250	116.512	1.0	C 209	4.60	1.10	HSF	—	—	—	2.3 HSF	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE											
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1969 FEB	2	12:59	38.50	SIZ	—	6	37.240	116.518	0.9	B	223	4.20	1.00	HSF	—	—	—	1.6	HSF	—	—	—	—
	2	13:40	26.50	SIZ	—	7	37.270	116.488	0.4	C	163	3.00*	—	HSF	—	—	—	2.8	HSF	—	—	—	
	2	18:30	25.40	SIZ	—	5	37.200	116.513	1.1	D	230	0.60*	—	HSF	—	—	—	2.0	HSF	—	—	—	
	2	18:42	6.60	SIZ	—	7	37.255	116.502	1.2	C	195	4.00	1.40	HSF	—	—	—	2.3	HSF	—	—	—	
	2	19:15	40.80	SIZ	—	7	37.243	116.528	1.6	C	230	6.20	5.00	HSF	—	—	—	2.9	HSF	—	—	—	
1969	2	19:21	7.20	SIZ	—	5	37.267	116.492	—	D	172	3.20	—	HSF	—	—	—	2.1	HSF	—	—	—	
1969	2	21: 8	0.90	SIZ	—	6	37.253	116.498	0.7	C	192	2.20	3.10	HSF	—	—	—	1.6	HSF	—	—	—	
1969	3	1:11	57.50	SIZ	—	6	37.252	116.485	1.6	C	179	5.40	5.70	HSF	—	—	—	2.4	HSF	—	—	—	
1969	3	15:41	54.70	SIZ	—	7	37.198	116.517	0.7	D	232	0.60*	—	HSF	—	—	—	2.1	HSF	—	—	—	
1969	4	1:32	40.90	SIZ	—	5	37.202	116.538	1.1	D	245	0.60*	—	HSF	—	—	—	1.6	HSF	—	—	—	
1969	4	5:59	53.20	SIZ	—	6	37.233	116.533	1.2	C	237	4.40	1.30	HSF	—	—	—	1.2	HSF	—	—	—	
1969	4	6: 0	4.60	SIZ	—	6	37.235	116.527	1.2	C	231	4.30	1.30	HSF	—	—	—	1.3	HSF	—	—	—	
1969	4	8: 3	47.40	SIZ	—	5	37.233	116.528	—	D	233	2.50	—	HSF	—	—	—	1.6	HSF	—	—	—	
1969	4	9:31	8.40	SIZ	—	5	37.198	116.522	1.9	D	235	0.60*	—	HSF	—	—	—	1.7	HSF	—	—	—	
1969	4	12: 3	56.80	SIZ	—	7	37.232	116.515	1.2	C	222	2.80	1.50	HSF	—	—	—	1.8	HSF	—	—	3.7 GDY	
1969	4	15: 0	1.18	SIZ	—	—	37.023	115.955	—	—	—	8.00*	—	GDY	—	—	—	—	—	—	—	—	
1969	4	21:17	5.80	SIZ	—	5	37.273	116.492	—	D	162	3.40	—	HSF	—	—	—	2.4	HSF	—	—	—	
1969	6	9:13	10.20	SIZ	—	5	37.257	116.510	—	D	202	4.30	—	HSF	—	—	—	1.6	HSF	—	—	—	
1969	6	9:52	51.60	SIZ	—	6	37.245	116.515	1.0	C	217	3.00*	—	HSF	—	—	—	1.8	HSF	—	—	—	
1969	7	17: 7	7.70	SIZ	—	6	37.227	116.470	0.5	B	186	2.60	0.70	HSF	—	—	—	2.3	HSF	—	—	—	
1969	8	3:18	6.40	SIZ	—	7	37.207	116.515	0.7	D	229	0.60*	—	HSF	—	—	—	2.5	HSF	—	—	—	
1969	8	4: 7	56.00	SIZ	—	7	37.207	116.512	0.8	D	227	0.60*	—	HSF	—	—	—	2.7	HSF	—	—	—	
1969	8	4:38	1.60	SIZ	—	6	37.200	116.527	0.6	D	238	0.60*	—	HSF	—	—	—	1.4	HSF	—	—	—	
1969	8	5:48	30.40	SIZ	—	7	37.207	116.513	0.8	D	228	0.60*	—	HSF	—	—	—	1.6	HSF	—	—	—	
1969	8	6:36	40.60	SIZ	—	6	37.200	116.518	1.2	D	234	0.60*	—	HSF	—	—	—	2.2	HSF	—	—	—	
1969	8	10:52	43.40	SIZ	—	6	37.203	116.577	1.9	D	266	0.60*	—	HSF	—	—	—	1.6	HSF	—	—	—	
1969	8	10:56	48.60	SIZ	—	6	37.245	116.523	1.4	C	225	4.20	1.50	HSF	—	—	—	1.7	HSF	—	—	—	
1969	8	12:32	24.00	SIZ	—	7	37.207	116.512	0.9	D	227	0.60*	—	HSF	—	—	—	1.8	HSF	—	—	—	
1969	8	16:59	38.10	SIZ	—	6	37.207	116.513	1.4	D	228	0.60*	—	HSF	—	—	—	1.5	HSF	—	—	—	
1969	8	19: 4	29.30	SIZ	—	6	37.263	116.505	2.0	C	192	6.90	6.00	HSF	—	—	—	1.8	HSF	—	—	—	
1969	8	19:49	6.20	SIZ	—	6	37.225	116.492	1.1	C	205	3.70	1.20	HSF	—	—	—	1.6	HSF	—	—	—	
1969	9	0:51	4.00	SIZ	—	6	37.213	116.513	0.9	C	225	0.60*	—	HSF	—	—	—	1.4	HSF	—	—	—	
1969	9	8:56	25.60	SIZ	—	7	37.202	116.518	0.7	D	232	0.60*	—	HSF	—	—	—	2.3	HSF	—	—	—	
1969	9	12:48	17.50	SIZ	—	6	37.243	116.502	0.4	B	203	1.00	1.30	HSF	—	—	—	1.8	HSF	—	—	—	
1969	9	13:15	42.50	SIZ	—	7	37.248	116.498	0.6	B	195	2.50	1.00	HSF	—	—	—	2.3	HSF	—	—	—	
1969	9	14:11	18.50	SIZ	—	5	37.200	116.533	1.1	D	242	0.60*	—	HSF	—	—	—	1.4	HSF	—	—	—	
1969	10	2:18	46.10	SIZ	—	5	37.203	116.570	2.5	D	263	0.60*	—	HSF	—	—	—	1.3	HSF	—	—	—	
1969	10	3:20	1.00	SIZ	—	6	37.232	116.472	0.3	B	184	2.80	0.40	HSF	—	—	—	2.1	HSF	—	—	—	
1969	10	12:27	16.20	SIZ	—	6	37.282	116.532	3.5	D	244	5.50	4.90	HSF	—	—	—	1.6	HSF	—	—	—	
1969	10	14:56	51.30	SIZ	—	5	37.213	116.522	0.9	D	232	0.60*	—	HSF	—	—	—	1.0	HSF	—	—	—	
1969	12	23: 1	25.90	SIZ	—	5	37.252	116.518	—	D	235	4.90	—	HSF	—	—	—	2.4	HSF	—	—	—	
1969	13	5:18	32.70	SIZ	—	6	37.235	116.522	1.2	C	243	2.10	4.40	HSF	—	—	—	2.1	HSF	—	—	—	
1969	13	7:20	6.60	SIZ	—	5	37.195	116.522	1.5	D	254	0.60*	—	HSF	—	—	—	1.3	HSF	—	—	—	
1969	13	9:33	51.60	SIZ	—	5	37.220	116.518	1.6	D	246	0.60*	—	HSF	—	—	—	2.3	HSF	—	—	—	
1969	13	22:37	44.13	SIZ	—	—	35.758	117.488	—	C	—	1.00*	—	PAS	—	—	—	—	—	—	—	—	
1969	14	2: 9	58.70	SIZ	—	5	37.242	116.513	1.9	D	234	3.00*	—	HSF	—	—	—	2.4	HSF	—	—	—	
1969	14	10:55	44.70	SIZ	—	5	37.247	116.502	—	D	221	3.00	—	HSF	—	—	—	2.2	HSF	—	—	—	
1969	14	14:17	29.90	SIZ	—	5	37.223	116.522	2.1	D	246	0.60*	—	HSF	—	—	—	1.2	HSF	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE														
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1969 FEB 14	15:11	35.10		SIZ	—	5	37.190	116.528	1.8	D	259	0.60*	—	HSF	—	—	—	2.1	HSF	—	—	—	—
1969 15	8:15	27.30		SIZ	—	5	37.225	116.520	1.9	D	245	0.60*	—	HSF	—	—	—	2.2	HSF	—	—	—	—
1969 15	11:31	18.30		SIZ	—	5	37.222	116.520	2.1	D	246	0.60*	—	HSF	—	—	—	2.6	HSF	—	—	—	—
1969 15	19:40	48.90		SIZ	—	5	37.223	116.520	1.9	D	245	0.60*	—	HSF	—	—	—	2.0	HSF	—	—	—	—
1969 16	1: 1:46.80			SIZ	—	5	37.235	116.505	—	D	217	4.60	—	HSF	—	—	—	2.0	HSF	—	—	—	—
1969 16	4: 5: 1.60			SIZ	—	5	37.210	116.545	3.1	D	265	0.60*	—	HSF	—	—	—	1.6	HSF	—	—	—	—
1969 16	7:11:16.80			—	—	5	37.198	116.560	2.8	D	273	0.60*	—	HSF	—	—	—	2.2	HSF	—	—	—	—
1969 16	14: 3:41.60			SIZ	—	5	37.225	116.518	1.8	D	245	0.60*	—	HSF	—	—	—	2.2	HSF	—	—	—	—
1969 16	22:19:49.40			SIZ	—	5	37.203	116.502	0.8	D	242	0.60*	—	HSF	—	—	—	2.3	HSF	—	—	—	—
1969 17	11:36:40.30			SIZ	—	5	37.208	116.520	1.8	D	250	0.60*	—	HSF	—	—	—	2.2	HSF	—	—	—	—
1969 17	13:24:31.00			SIZ	—	5	37.208	116.517	1.8	D	248	0.60*	—	HSF	—	—	—	2.5	HSF	—	—	—	—
1969 17	13:25:39.60			SIZ	—	5	37.206	116.535	1.9	D	259	0.60*	—	HSF	—	—	—	2.4	HSF	—	—	—	—
1969 17	14:51:36.90			SIZ	—	5	37.235	116.495	—	D	222	2.90	—	HSF	—	—	—	2.0	HSF	—	—	—	—
1969 17	15:18: 6.40			SIZ	—	5	37.208	116.515	1.9	D	246	0.60*	—	HSF	—	—	—	2.4	HSF	—	—	—	—
1969 18	5:47:27.60			SIZ	—	6	37.235	116.527	1.3	C	232	4.40	1.40	HSF	—	—	—	2.0	HSF	—	—	—	—
1969 18	6:27:12.80			SIZ	—	7	37.217	116.513	0.8	C	225	0.60*	—	HSF	—	—	—	2.1	HSF	—	—	—	—
1969 18	14:58: 4.14			—	—	—	35.769	117.671	—	B	—	1.00*	—	PAS	—	1.5 BRP	2.7 PAS	—	—	—	—	—	—
1969 18	16:37:58.60			SIZ	—	7	37.252	116.502	0.8	C	196	3.00*	—	HSF	—	—	—	2.1	HSF	—	—	—	—
1969 19	9:11:38.40			SIZ	—	6	37.265	116.485	0.4	C	166	3.00*	—	HSF	—	—	—	2.5	HSF	—	—	—	—
1969 19	10:50:27.60			SIZ	—	7	37.213	116.515	1.0	D	227	0.60*	—	HSF	—	—	—	2.0	HSF	—	—	—	—
1969 19	12: 1:54.10			SIZ	—	6	37.197	116.507	1.0	D	228	0.60*	—	HSF	—	—	—	1.6	HSF	—	—	—	—
1969 19	14:58: 3.80			SIZ	—	7	37.243	116.517	0.9	C	219	3.00*	—	HSF	—	—	—	2.5	HSF	—	—	—	—
1969 20	7:26:23.00			SIZ	—	5	37.227	116.497	1.3	D	207	0.60*	—	HSF	—	—	—	2.1	HSF	—	—	—	—
1969 20	12: 4:31.20			SIZ	—	7	37.202	116.490	0.5	C	215	0.60*	—	HSF	—	—	—	2.6	HSF	—	—	—	—
1969 20	15:31: 3.48			—	—	—	35.770	117.671	—	B	—	1.00*	—	PAS	—	1.1 BRP	2.4 PAS	—	—	—	—	—	—
1969 21	4: 8:39.60			SIZ	—	7	37.207	116.512	0.8	D	227	0.60*	—	HSF	—	—	—	1.8	HSF	—	—	—	—
1969 21	4:56: 5.30			SIZ	—	7	37.187	116.508	0.7	D	231	0.60*	—	HSF	—	—	—	2.5	HSF	—	—	—	—
1969 21	10:49:17.30			SIZ	—	7	37.232	116.517	1.1	C	222	2.90	1.30	HSF	—	—	—	1.8	HSF	—	—	—	—
1969 21	11: 5:35.90			SIZ	—	7	37.230	116.515	0.9	B	222	2.60	1.20	HSF	—	—	—	2.0	HSF	—	—	—	—
1969 21	11: 9:50.70			SIZ	—	7	37.228	116.518	1.2	C	225	0.80	4.90	HSF	—	—	—	1.5	HSF	—	—	—	—
1969 21	12:30:50.20			SIZ	—	7	37.168	116.513	0.8	D	240	0.60*	—	HSF	—	—	—	2.0	HSF	—	—	—	—
1969 21	16:27:36.10			SIZ	—	7	37.247	116.500	1.0	B	198	3.50	1.40	HSF	—	—	—	2.3	HSF	—	—	—	—
1969 21	23:11: 4.70			SIZ	—	7	37.338	116.343	1.5	C	168	3.00*	—	HSF	—	—	—	2.3	HSF	—	—	—	—
1969 22	0:10: 2.70			SIZ	—	7	37.247	116.513	1.1	C	213	3.20	1.50	HSF	—	—	—	2.1	HSF	—	—	—	—
1969 22	2:17:39.60			SIZ	—	5	37.205	116.512	0.4	D	227	0.60*	—	HSF	—	—	—	1.8	HSF	—	—	—	—
1969 22	3:30:57.80			SIZ	—	5	37.277	116.462	—	D	135	3.40	—	HSF	—	—	—	1.1	HSF	—	—	—	—
1969 22	4: 8:54.60			SIZ	—	7	37.223	116.510	0.8	C	220	0.60*	—	HSF	—	—	—	2.0	HSF	—	—	—	—
1969 22	4:14:43.50			SIZ	—	6	37.206	116.510	0.7	C	225	0.60*	—	HSF	—	—	—	1.6	HSF	—	—	—	—
1969 22	5:33:47.30			SIZ	—	6	37.202	116.525	0.9	D	237	0.60*	—	HSF	—	—	—	1.7	HSF	—	—	—	—
1969 22	6:35: 3.40			SIZ	—	7	37.177	116.507	0.8	D	234	0.60*	—	HSF	—	—	—	2.3	HSF	—	—	—	—
1969 22	11:47:40.90			SIZ	—	6	37.220	116.520	1.3	D	229	0.60*	—	HSF	—	—	—	1.4	HSF	—	—	—	—
1969 22	13:41:39.40			SIZ	—	6	37.243	116.517	1.1	C	220	3.00*	—	HSF	—	—	—	1.3	HSF	—	—	—	—
1969 22	14:49: 7.20			SIZ	—	6	37.235	116.470	0.4	C	181	3.00*	—	HSF	—	—	—	2.0	HSF	—	—	—	—
1969 23	10:15:27.00			SIZ	—	6	37.232	116.527	1.1	C	233	4.20	1.30	HSF	—	—	—	1.8	HSF	—	—	—	—
1969 23	22: 2:47.90			SIZ	—	6	37.275	116.523	3.7	C	216	8.70	9.20	HSF	—	—	—	2.4	HSF	—	—	—	—
1969 25	2:37:17.80			SIZ	—	5	37.225	116.528	0.9	D	234	0.60*	—	HSF	—	—	—	1.6	HSF	—	—	—	—
1969 25	8:36:50.10			SIZ	—	5	37.223	116.525	0.8	D	232	0.60*	—	HSF	—	—	—	2.1	HSF	—	—	—	—
1969 25	21:26:17.20			SIZ	—	7	37.238	116.515	1.3	C	219	1.00	3.60	HSF	—	—	—	1.8	HSF	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE																	
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1969 FEB 26		6	3	0.60	SIZ	—	5	37.208	116.533	0.7	D	287	0.60*	—	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—
1969 MAR 8		8	52	32.90	SIZ	—	6	37.217	116.517	1.2	D	227	0.60*	—	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1969 8		8	54	50.80	SIZ	—	6	37.218	116.517	0.9	D	227	0.20*	—	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1969 8		13	9	55.90	SIZ	—	6	37.272	116.498	1.1	C	172	3.00*	—	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1969 11		7	27	14.60	SIZ	—	6	37.193	116.515	1.3	D	234	1.30	8.00	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1969 11		8	17	36.70	SIZ	—	6	37.193	116.517	1.5	D	234	2.00	7.30	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1969 11		12	28	55.80	SIZ	—	6	37.242	116.517	1.0	C	220	3.00*	—	HSF	—	—	—	—	—	—	2.2	HSF	—	—	—	—
1969 11		15	38	48.10	SIZ	—	6	37.242	116.517	0.9	C	220	3.00*	—	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1969 12		9	59	24.60	SIZ	—	5	37.235	116.520	—	D	225	1.80	—	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	—
1969 12		22	51	29.60	SIZ	—	5	37.295	116.457	—	D	208	4.70	—	HSF	—	—	—	—	—	—	2.5	HSF	—	—	—	—
1969 12		23	21	13.20	SIZ	—	5	37.232	116.540	—	D	242	2.00	—	HSF	—	—	—	—	—	—	2.3	HSF	—	—	—	—
1969 14		11	31	2.90	SIZ	—	6	37.210	116.513	0.8	D	227	0.60*	—	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1969 14		11	43	54.90	SIZ	—	6	37.210	116.513	0.8	D	227	0.60*	—	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1969 14		13	15	55.00	SIZ	—	6	37.265	116.477	1.7	C	158	5.80	4.80	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1969 14		21	16	59.80	SIZ	—	6	37.222	116.508	0.8	C	220	0.90*	—	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1969 15		2	8	46.50	SIZ	—	5	37.193	116.515	—	D	234	1.30	—	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1969 16		13	30	39.10	SIZ	—	5	37.187	116.532	1.0	D	244	0.80*	—	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1969 16		21	5	11.40	SIZ	—	5	37.218	116.518	—	D	228	1.30	—	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1969 18		4	50	55.40	SIZ	—	6	37.203	116.523	1.0	D	235	0.10*	—	HSF	—	—	—	—	—	—	1.5	HSF	—	—	—	—
1969 18		13	35	6.10	SIZ	—	6	37.195	116.545	1.3	D	250	0.60*	—	HSF	—	—	—	—	—	—	2.4	HSF	—	—	—	—
1969 18		14	40	1.68	SIZ	—	—	37.114	116.039	—	—	—	8.00*	—	GDY	5	BRP	4.0	BRP	4.0	PDX	—	—	4.4	PDX	4.4	GDY
1969 20		4	40	35.40	SIZ	—	5	37.212	116.485	—	D	208	1.60	—	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1969 21		5	47	16.70	SIZ	—	5	37.200	116.492	—	D	218	2.80	—	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—
1969 21		6	34	29.30	SIZ	—	5	37.120	116.392	—	D	213	3.10	—	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1969 21		13	42	8.90	SIZ	—	5	37.257	116.440	—	D	140	3.30	—	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1969 22		2	12	56.90	SIZ	—	5	37.222	116.527	—	D	233	2.50	—	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—
1969 22		12	13	25.10	SIZ	—	5	37.225	116.530	—	D	235	1.20	—	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1969 24		13	42	57.00	SIZ	—	5	37.240	116.525	—	D	228	2.00	—	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1969 29		6	3	35.20	SIZ	—	6	37.193	116.517	0.8	C	234	1.80	2.80	HSF	—	—	—	—	—	—	2.3	HSF	—	—	—	—
1969 29		11	12	31.50	SIZ	—	7	37.247	116.513	1.2	C	214	3.40	1.60	HSF	—	—	—	—	—	—	2.2	HSF	—	—	—	—
1969 30		6	57	56.60	SIZ	—	5	37.195	116.513	1.0	D	232	0.60*	—	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1969 30		9	58	35.90	SIZ	—	5	37.208	116.525	—	D	235	1.50	—	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1969 31		7	16	57.00	SIZ	—	5	37.125	116.388	—	D	208	3.30	—	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1969 31		10	56	0.50	SIZ	—	5	37.213	116.530	—	D	237	1.80	—	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1969 APR 2		20	56	33.30	SIZ	—	5	37.218	116.527	—	D	234	2.50	—	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1969 3		3	12	4.10	SIZ	—	5	37.250	116.507	—	D	203	1.50	—	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1969 4		2	49	33.50	SIZ	—	5	37.195	116.492	—	D	219	2.30	—	HSF	—	—	—	—	—	—	1.5	HSF	—	—	—	—
1969 4		9	2	35.20	SIZ	—	5	37.203	116.523	—	D	235	2.20	—	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1969 8		7	59	16.30	SIZ	—	6	37.245	116.497	2.1	C	197	6.00	11.80	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1969 8		11	40	13.70	SIZ	—	5	37.260	116.500	—	D	187	1.40	—	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1969 13		7	45	41.76	SIZ	—	—	36.129	117.973	—	—	—	8.00*	—	GDY	—	1.8	BRP	3.0	PDX	—	—	—	—	3.0	GDY	
1969 18		13	30	12.10	SIZ	—	6	37.208	116.515	1.5	D	228	1.30	9.50	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1969 18		13	41	5.70	SIZ	—	6	37.207	116.518	1.7	D	232	2.00	8.00	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1969 24		13	4	2.13	SIZ	—	—	37.101	116.084	—	—	—	8.00*	—	GDY	—	—	3.8	PAS	—	—	—	—	—	3.8	GDY	
1969 28		2	42	53.10	SIZ	—	5	37.203	116.515	0.5	D	230	0.60*	—	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—
1969 29		20	47	0.70	SIZ	—	5	37.210	116.630	6.5	D	306	0.60*	—	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1969 MAY 2		3	41	29.65	SIZ	—	—	35.841	116.640	—	C	—	1.40	—	PAS	—	1.7	BRP	2.9	PAS	—	—	—	—	2.0	HSF	—
1969 3		8	26	16.50	SIZ	—	6	37.177	116.500	0.9	D	230	0.60*	—	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE															
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1969	MAY	3	12:33	30	42				35.808	116.904		C		10.00*		PAS			1.2	BRP	2.5	PAS						
1969		4	11:12	6	80	SIZ		6	37.215	116.413	0.3	C	149	5.00*		HSF							1.3	HSF				
1969		4	11:52	9	80	SIZ		5	37.228	116.522		D	227	2.10		HSF							1.2	HSF				
1969		5	18: 7	8	20	SIZ		5	37.265	116.467		D	151	2.30		HSF							1.4	HSF				
1969		7	7: 0	1	50	SIZ		6	37.223	116.520	1.3	D	228	0.60*		HSF							1.0	HSF				
1969		7	15: 4	32	80	SIZ		7	37.280	116.502	0.5	B	163	0.50	0.80	HSF							3.0	HSF				
1969		7	16:31	44	20	SIZ		6	37.270	116.498	0.6	B	174	3.50	0.80	HSF							2.1	HSF				
1969		7	17:41	1	80	SIZ		5	37.282	116.502		D	160	0.80		HSF							1.9	HSF				
1969		7	18: 8	35	10	SIZ		7	37.273	116.488	0.8	B	158	3.00	1.10	HSF							2.0	HSF				
1969		7	18:33	37	10	SIZ		5	37.273	116.458	2.4	D	260	2.00*		HSF							1.8	HSF				
1969		7	19:11	47	40	SIZ		6	37.292	116.493	1.3	C	151	0.20	2.00	HSF							2.0	HSF				
1969		7	20:23	39	30	SIZ		6	37.278	116.462	0.6	B	132	2.70	1.10	HSF							2.0	HSF				
1969		7	20:59	51	50	SIZ		6	37.278	116.462	0.7	B	132	2.60	1.40	HSF							2.1	HSF				
1969		7	21: 7	44	00	SIZ		7	37.280	116.462	0.3	B	133	2.80	0.40	HSF							1.7	HSF				
1969		8	1: 5	14	50	SIZ		6	37.265	116.498	1.9	C	182	5.90	8.30	HSF							1.7	HSF				
1969		8	1:24	38	40	SIZ		6	37.277	116.463	0.2	B	134	2.60	0.50	HSF							2.0	HSF				
1969		8	2:49	47	20	SIZ		7	37.278	116.463	0.6	B	133	2.40	1.10	HSF							2.0	HSF				
1969		8	4:31	47	90	SIZ		5	37.278	116.463		D	133	3.60		HSF							1.8	HSF				
1969		8	5:19	35	20	SIZ		5	37.277	116.468		D	138	2.40		HSF							1.4	HSF				
1969		8	5:24	56	30	SIZ		7	37.282	116.465	1.3	B	135	2.30	1.60	HSF							1.3	HSF				
1969		8	5:56	6	10	SIZ		7	37.277	116.508	0.8	B	180	0.70	1.20	HSF							1.9	HSF				
1969		8	9:52	5	40	SIZ		5	37.222	116.517	1.1	D	228	0.60*		HSF							1.5	HSF				
1969		8	12:35	23	70	SIZ		5	37.265	116.493		D	175	1.20		HSF							1.2	HSF				
1969		8	12:42	22	90	SIZ		6	37.275	116.493	0.7	B	161	3.40	0.80	HSF							1.8	HSF				
1969		9	0: 8	21	90	SIZ		5	37.275	116.465		D	139	3.30		HSF							1.2	HSF				
1969		9	9:38	52	80	SIZ		6	37.255	116.515	1.0	B	212	4.90	0.90	HSF							1.6	HSF				
1969		9	10:12	30	10	SIZ		5	37.270	116.472		D	148	1.70		HSF							1.2	HSF				
1969		9	11:25	48	20	SIZ		5	37.223	116.600	5.0	D	280	2.00*		HSF							1.0	HSF				
1969		9	11:52	16	60	SIZ		7	37.237	116.527	2.7	D	229	2.00*		HSF							1.6	HSF				
1969		11	14:46	39	90	SIZ		6	37.258	116.502	0.4	B	189	2.60	0.50	HSF							1.7	HSF				
1969		11	21:11	59	90	SIZ		5	37.242	116.490	0.4	D	192	2.00*		HSF							1.8	HSF				
1969		12	1:28	34	60	SIZ		6	37.065	116.440	2.6	D	270	0.60*		HSF							2.1	HSF				
1969		13	6:40	17	90	SIZ		6	37.212	116.488	0.5	C	210	0.60*		HSF							1.7	HSF				
1969		13	12:55	2	20	SIZ		5	37.222	116.527	0.6	D	233	0.60*		HSF							1.1	HSF				
1969		14	20:34	1	10	SIZ		6	37.222	116.482	1.5	D	257	0.60*		HSF							2.9	HSF				
1969		14	20:50	10	70	SIZ		4	37.198	116.597		D	276	0.60*		HSF							1.8	HSF				
1969		14	21: 9	4	90	SIZ		5	37.218	116.480	3.0	D	255	0.60*		HSF							2.5	HSF				
1969		14	21:25	22	70	SIZ		5	37.218	116.523	1.6	D	232	0.60*		HSF							2.2	HSF				
1969		14	21:28	1	90	SIZ		4	37.217	116.522		D	231	0.60*		HSF							2.1	HSF				
1969		14	21:29	51	60	SIZ		5	37.223	116.517	0.8	D	226	0.60*		HSF							2.1	HSF				
1969		14	21:58	10	80	SIZ		6	37.223	116.473	2.1	C	248	1.60	4.90	HSF							2.3	HSF				
1969		14	22:16	1	20	SIZ		6	37.222	116.523	0.8	D	231	0.60*		HSF							2.6	HSF				
1969		14	23:43	57	00	SIZ		4	37.222	116.522		D	230	0.60*		HSF							1.6	HSF				
1969		15	0:53	1	60	SIZ		7	37.223	116.515	1.0	C	225	0.60*		HSF							2.2	HSF				
1969		15	2:48	12	40	SIZ		4	37.225	116.522		D	228	0.60*		HSF							1.5	HSF				
1969		15	3: 0	30	60	SIZ		4	37.223	116.525		D	232	0.60*		HSF							1.7	HSF				
1969		15	3:17	14	90	SIZ		4	37.222	116.528		D	235	0.60*		HSF							1.8	HSF				
1969		15	3:24	25	60	SIZ		7	37.225	116.513	1.5	C	223	0.60*		HSF							2.5	HSF				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER					INTENSITY		MAGNITUDE												
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF	
1969 MAY	15	3:26	6.60	SIZ	—	5	37.203	116.582	4.0	D	268	0.60*	—	HSF	—	—	—	1.7	HSF	—	—	—	—	
	15	3:29	0.00	SIZ	—	4	37.215	116.547	—	D	248	0.60*	—	HSF	—	—	—	1.8	HSF	—	—	—		
	15	3:31	0.00	SIZ	—	5	37.220	116.535	1.9	D	240	0.60*	—	HSF	—	—	—	1.6	HSF	—	—	—		
	15	9:20	57.10	SIZ	—	5	37.227	116.525	1.0	D	232	0.60*	—	HSF	—	—	—	1.2	HSF	—	—	—		
	15	17:59	59.30	SIZ	—	—	37.031	115.922	—	—	—	3.00*	—	BRP	5	4.0	4.6	4.6	PDX	4.5	BRP	4.0	PDX	
	15	20:28	22.70	SIZ	—	6	37.223	116.522	1.4	D	230	0.60*	—	HSF	—	—	—	2.2	HSF	—	—	—		
1969	16	9: 4:	7.40	SIZ	—	5	37.283	116.515	—	D	182	1.30	—	HSF	—	—	—	2.0	HSF	—	—	—	—	
	17	2:22	52.56	SIZ	—	—	36.105	117.811	—	A	—	10.00*	—	PAS	—	—	—	—	—	—	—	—	—	
	18	9:57	52.40	SIZ	—	5	37.340	116.523	—	D	301	12.50	—	HSF	—	—	—	1.6	HSF	—	—	—	—	
	19	4:23	58.30	SIZ	—	6	37.245	116.493	0.5	C	193	0.10	2.80	HSF	—	—	—	2.1	HSF	—	—	—	—	
	20	11:26	10.20	SIZ	—	5	37.145	116.520	5.4	D	251	0.60*	—	HSF	—	—	—	1.9	HSF	—	—	—	—	
	22	6:29	19.93	SIZ	—	—	35.927	117.596	—	B	—	10.00*	—	PAS	—	—	—	—	—	—	—	—	—	
1969	23	18: 9:	59.10	SIZ	—	4	37.220	116.538	—	D	242	0.60*	—	HSF	—	—	—	1.6	HSF	—	—	—	—	
	25	4: 2:	37.76	—	—	—	35.791	117.656	—	B	—	10.00*	—	PAS	—	—	—	—	—	—	—	—	—	
	25	9: 3:	1.93	—	—	—	35.802	117.651	—	B	—	10.00*	—	PAS	—	—	—	—	—	—	—	—	—	
	27	1:18	31.87	—	—	—	35.826	117.640	—	B	—	9.50	—	PAS	—	—	—	—	—	—	—	—	—	
	28	4:51	41.30	SIZ	—	4	37.253	116.512	—	D	226	3.60	—	HSF	—	—	—	1.8	HSF	—	—	—	—	
	30	17:20	44.10	SIZ	—	4	37.252	116.512	—	D	209	1.40	—	HSF	—	—	—	1.8	HSF	—	—	—	—	
1969 JUN	1	16:54	32.60	SIZ	—	5	37.205	116.520	1.9	D	237	0.60*	—	HSF	—	—	—	1.1	HSF	—	—	—	—	
	4	6: 1:	22.20	SIZ	—	6	37.255	116.503	0.9	B	196	3.10	1.20	HSF	—	—	—	2.5	HSF	—	—	—	—	
	6	2:50	23.30	SIZ	—	6	37.198	116.545	2.6	D	250	0.60*	—	HSF	—	—	—	1.8	HSF	—	—	—	—	
	7	13:43	18.40	SIZ	—	5	37.240	116.522	—	D	226	2.50	—	HSF	—	—	—	2.0	HSF	—	—	—	—	
	9	22:53	46.80	SIZ	—	6	37.202	116.477	0.2	B	207	3.20	0.20	HSF	—	—	—	2.0	HSF	—	—	—	—	
	11	18:20	19.80	SIZ	—	7	37.278	116.533	1.4	D	261	0.60*	—	HSF	—	—	—	2.3	HSF	—	—	—	—	
1969	12	11:38	7.20	SIZ	—	7	37.263	116.505	0.7	B	193	4.50	0.50	HSF	—	—	—	1.8	HSF	—	—	—	—	
	13	1:20	19.49	—	—	—	37.198	117.766	—	—	—	8.00*	—	GDY	1	2.5	3.5	3.5	PAS	—	3.9	PDX	3.8	BRK
	13	8:17	4.40	SIZ	—	7	37.207	116.510	1.6	C	226	7.90	2.40	HSF	—	—	—	1.2	HSF	—	—	—	—	
	13	12: 0:	21.80	SIZ	—	7	37.218	116.517	2.1	C	227	7.90	2.80	HSF	—	—	—	1.7	HSF	—	—	—	—	
	13	19:27	59.50	SIZ	—	5	37.193	116.538	2.0	D	246	0.60*	—	HSF	—	—	—	1.6	HSF	—	—	—	—	
	13	19:43	15.00	SIZ	—	8	37.195	116.548	1.0	D	238	0.60*	—	HSF	—	—	—	2.4	HSF	—	—	—	—	
1969	19	7:35	19.20	SIZ	—	7	37.180	116.458	0.3	C	194	1.50*	—	HSF	—	—	—	1.6	HSF	—	—	—	—	
	19	10:52	3.00	SIZ	—	7	37.215	116.518	1.7	C	229	5.30	1.90	HSF	—	—	—	1.6	HSF	—	—	—	—	
	20	11: 5:	11.90	SIZ	—	7	37.260	116.518	0.7	B	183	5.30	1.20	HSF	—	—	—	1.7	HSF	—	—	—	—	
	22	12:12	24.30	SIZ	—	10	37.268	116.502	0.3	A	105	4.60	0.50	HSF	—	—	—	2.2	HSF	—	—	—	—	
	22	22:36	5.50	SIZ	—	5	37.190	116.482	0.3	D	211	3.00*	—	HSF	—	—	—	1.4	HSF	—	—	—	—	
	23	5:58	37.30	SIZ	—	9	37.200	116.528	0.9	C	203	0.60*	—	HSF	—	—	—	2.0	HSF	—	—	—	—	
1969	23	23:29	2.70	SIZ	—	11	37.145	116.522	0.6	D	226	0.60*	—	HSF	—	—	—	2.7	HSF	—	—	—	—	
	26	16: 0:	1.58	SIZ	—	—	37.101	116.039	—	—	—	8.00*	—	GDY	5	4.2	4.4	4.4	PDX	—	4.4	PDX	4.4	GDY
	28	6:16	54.00	SIZ	—	7	37.148	116.532	0.9	D	228	0.60*	—	HSF	—	—	—	1.2	HSF	—	—	—	—	
	30	3:14	39.60	SIZ	—	6	37.292	116.507	0.9	B	133	2.10	0.80	HSF	—	—	—	1.7	HSF	—	—	—	—	
	4	12:50	24.40	SIZ	—	9	37.262	116.518	0.6	B	159	5.70	1.20	HSF	—	—	—	0.4	HSF	—	—	—	—	
	5	4:23	41.50	SIZ	—	9	37.163	116.432	2.2	C	185	3.00*	—	HSF	—	—	—	1.8	HSF	—	—	—	—	
1969	5	4:26	2.60	SIZ	—	8	37.153	116.433	1.9	C	192	3.00*	—	HSF	—	—	—	1.1	HSF	—	—	—	—	
	5	5: 0:	6.20	SIZ	—	9	37.160	116.438	2.2	C	191	3.00*	—	HSF	—	—	—	2.7	HSF	—	—	—	—	
	5	5:55	18.00	SIZ	—	9	37.153	116.445	2.1	C	197	3.00*	—	HSF	—	—	—	1.7	HSF	—	—	—	—	
	5	7:34	53.90	SIZ	—	8	37.153	116.432	1.9	C	192	3.00*	—	HSF	—	—	—	1.5	HSF	—	—	—	—	
	5	9:16	30.40	SIZ	—	9	37.155	116.442	2.2	C	194	3.00*	—	HSF	—	—	—	1.3	HSF	—	—	—	—	
	5	11:30	14.70	SIZ	—	8	37.173	116.423	1.7	C	175	3.00*	—	HSF	—	—	—	1.1	HSF	—	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE														
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF	
1969 JUL 5	13:35	44.80		SIZ	—	9	37.157	116.443	2.2	C	194	3.00*	—	HSF	—	—	—	2.3	HSF	—	—	—	—	
1969 5	13:37	17.40		SIZ	—	8	37.150	116.438	1.7	C	197	3.00*	—	HSF	—	—	—	1.4	HSF	—	—	—	—	
1969 5	13:39	44.80		SIZ	—	9	37.157	116.442	2.3	C	193	3.00*	—	HSF	—	—	—	1.8	HSF	—	—	—	—	
1969 5	22:24	53.80		SIZ	—	8	37.260	116.520	0.5	C	162	5.00*	—	HSF	—	—	—	0.8	HSF	—	—	—	—	
1969 6	3:27	27.40		SIZ	—	9	37.293	116.510	0.5	B	133	10.00*	0.40	HSF	—	—	—	2.1	HSF	—	—	—	—	
1969 8	20:50	25.77			—	—	35.664	117.612	—	B	—	—	—	PAS	1	BRP	2.2	BRP	3.3	PAS	—	—	—	—
1969 9	8: 8:47	30		SIZ	—	7	37.288	116.455	0.8	B	124	4.80	1.50	HSF	—	—	—	1.5	HSF	—	—	—	—	
1969 12	3:59	27.40		SIZ	—	9	37.162	116.443	1.6	C	191	3.00*	—	HSF	—	—	—	2.4	HSF	—	—	—	—	
1969 12	4: 0:51	30		SIZ	—	8	37.153	116.437	1.6	C	194	3.00*	—	HSF	—	—	—	1.3	HSF	—	—	—	—	
1969 12	4:26	46.60		SIZ	—	9	37.182	116.418	0.7	B	182	14.60	1.70	HSF	—	—	—	0.5	HSF	—	—	—	—	
1969 12	4:36	33.70		SIZ	—	10	37.158	116.438	1.7	C	191	3.00*	—	HSF	—	—	—	1.4	HSF	—	—	—	—	
1969 12	10:11	29.90		SIZ	—	7	37.160	116.428	0.8	C	186	3.00*	—	HSF	—	—	—	0.4	HSF	—	—	—	—	
1969 12	13:28	14.50		SIZ	—	9	37.165	116.423	1.4	C	181	3.00*	—	HSF	—	—	—	1.1	HSF	—	—	—	—	
1969 12	23:16	39.40		SIZ	—	8	37.155	116.433	1.7	C	192	3.00*	—	HSF	—	—	—	2.0	HSF	—	—	—	—	
1969 13	3:20	25.60		SIZ	—	10	37.175	116.420	1.4	C	169	3.00*	—	HSF	—	—	—	1.6	HSF	—	—	—	—	
1969 13	3:45	33.60		SIZ	—	9	37.160	116.442	1.7	C	191	3.00*	—	HSF	—	—	—	1.6	HSF	—	—	—	—	
1969 13	9:27	29.00			—	—	36.000	118.000	—	—	—	—	—	BRK	1	BRP	2.4	BRP	3.4	BRK	—	—	—	
1969 14	9:33	46.00		SIZ	—	7	37.258	116.518	0.7	B	161	6.80	1.60	HSF	—	—	—	2.1	HSF	—	—	—	—	
1969 14	10:38	35.60		SIZ	—	7	37.173	116.438	1.6	C	182	3.00*	—	HSF	—	—	—	1.4	HSF	—	—	—	—	
1969 14	17: 6:20	30		SIZ	—	6	37.212	116.437	0.5	C	153	5.40*	—	HSF	—	—	—	1.1	HSF	—	—	—	—	
1969 14	20:45	7.80		SIZ	—	7	37.200	116.553	0.9	C	174	3.00*	—	HSF	—	—	—	0.8	HSF	—	—	—	—	
1969 16	2:25	27.20		SIZ	—	8	37.140	116.510	1.8	D	171	1.60*	—	HSF	—	—	—	1.0	HSF	—	—	—	—	
1969 16	10: 2:23	80		SIZ	—	10	37.293	116.513	0.4	A	99	1.90	0.40	HSF	—	—	—	2.1	HSF	—	—	—	—	
1969 19	2:26	59.70		SIZ	—	5	37.232	116.498	—	D	166	3.20	—	HSF	—	—	—	2.4	HSF	—	—	—	—	
1969 21	12:46	28.70		SIZ	—	3	37.232	116.512	—	D	280	0.60*	—	HSF	—	—	—	1.6	HSF	—	—	—	—	
1969 26	17:19	8.75		SIZ	—	—	37.290	114.926	—	—	—	8.00*	—	GOY	—	—	—	—	—	—	—	—	—	
1969 28	21:29	3.80		SIZ	—	6	37.258	116.517	2.5	D	254	3.00*	—	HSF	—	—	—	1.9	HSF	—	—	—	—	
1969 29	17:20	23.60		SIZ	—	7	37.262	116.507	0.3	B	93	7.00	0.80	HSF	—	—	—	1.1	HSF	—	—	—	—	
1969 AUG 1	7:41	56.80		SIZ	—	8	37.287	116.512	0.6	C	83	2.00	6.00	HSF	—	—	—	2.2	HSF	—	—	—	—	
1969 1	7:52	12.30		SIZ	—	7	37.283	116.505	0.5	B	111	1.20	2.20	HSF	—	—	—	2.2	HSF	—	—	—	—	
1969 2	2:12	37.50		SIZ	—	5	37.153	116.435	2.0	C	149	3.00*	—	HSF	—	—	—	1.4	HSF	—	—	—	—	
1969 2	17:53	9.50		SIZ	—	5	37.258	116.527	1.1	C	114	3.00*	—	HSF	—	—	—	1.9	HSF	—	—	—	—	
1969 5	14:20	30.40		SIZ	—	5	37.208	116.523	0.8	C	121	3.00*	—	HSF	—	—	—	2.7	HSF	—	—	—	—	
1969 5	14:42	6.20		SIZ	—	5	37.213	116.522	0.5	C	117	5.00*	—	HSF	—	—	—	2.2	HSF	—	—	—	—	
1969 5	14:43	6.20		SIZ	—	4	37.193	116.535	—	D	209	0.60*	—	HSF	—	—	—	1.7	HSF	—	—	—	—	
1969 5	14:58	7.10		SIZ	—	6	37.205	116.523	0.5	C	123	3.00*	—	HSF	—	—	—	1.9	HSF	—	—	—	—	
1969 5	15: 9: 4.90			SIZ	—	5	37.230	116.510	—	D	108	7.30	—	HSF	—	—	—	1.6	HSF	—	—	—	—	
1969 6	3:18	55.70		SIZ	—	5	37.213	116.522	—	D	118	4.70	—	HSF	—	—	—	1.5	HSF	—	—	—	—	
1969 6	3:50	58.00		SIZ	—	5	37.213	116.523	—	D	118	4.50	—	HSF	—	—	—	1.9	HSF	—	—	—	—	
1969 6	9: 4: 2.50			SIZ	—	5	37.215	116.520	—	D	117	5.00	—	HSF	—	—	—	2.0	HSF	—	—	—	—	
1969 7	10:58	50.50		SIZ	—	5	37.212	116.522	0.5	C	119	5.20*	—	HSF	—	—	—	0.9	HSF	—	—	—	—	
1969 7	11: 5:31	00		SIZ	—	5	37.212	116.523	0.4	C	119	4.50*	—	HSF	—	—	—	2.0	HSF	—	—	—	—	
1969 7	12:28	40.60		SIZ	—	5	37.297	116.462	—	D	222	4.70	—	HSF	—	—	—	2.1	HSF	—	—	—	—	
1969 7	12:36	6.10		SIZ	—	5	37.212	116.523	—	D	119	4.50	—	HSF	—	—	—	0.4	HSF	—	—	—	—	
1969 7	12:52	51.00		SIZ	—	4	37.290	116.478	—	D	193	3.50	—	HSF	—	—	—	1.1	HSF	—	—	—	—	
1969 9	2:49	24.90		SIZ	—	5	37.148	116.442	1.8	C	154	0.60*	—	HSF	—	—	—	1.2	HSF	—	—	—	—	
1969 9	2:51	18.40		SIZ	—	5	37.150	116.438	1.9	C	151	0.60*	—	HSF	—	—	—	2.3	HSF	—	—	—	—	
1969 9	3: 8:16	10		SIZ	—	6	37.155	116.427	1.7	C	146	0.60*	—	HSF	—	—	—	1.5	HSF	—	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE											
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF
1969	AUG	9	13:37	9.50	SIZ	—	5	37.260	116.515	0.3	C	136	5.10*	—	HSF	—	—	—	2.4	HSF	—	—	—
1969		10	23:26	31.50	SIZ	—	5	37.302	116.458	—	D	225	4.80	—	HSF	—	—	—	2.1	HSF	—	—	—
1969		11	7: 2	8.10	SIZ	—	6	37.263	116.485	0.4	B	148	3.90	0.50	HSF	—	—	—	2.4	HSF	—	—	—
1969		11	9:16	4.30	SIZ	—	5	37.220	116.515	—	D	188	6.50	—	HSF	—	—	—	1.1	HSF	—	—	—
1969		13	15:45	15.30	SIZ	—	5	37.265	116.482	—	D	147	4.10	—	HSF	—	—	—	2.7	HSF	—	—	—
1969		16	11:57	46.89	SIZ	—	—	35.707	117.648	—	—	—	8.00*	—	GDY	1	BRP	2.4	PAS	4.0	PDX	4.0	GDY
1969		16	12: 0	15.64	—	—	—	35.794	117.645	—	C	—	7.70	—	PAS	—	1.3	BRP	2.6	PAS	—	—	—
1969		16	14:32	48.00	SIZ	—	5	37.240	116.530	0.4	D	181	3.00*	—	HSF	—	—	—	1.8	HSF	—	—	—
1969		16	14:51	55.50	SIZ	—	5	37.240	116.530	0.4	C	180	3.00*	—	HSF	—	—	—	1.8	HSF	—	—	—
1969		16	16: 3	46.50	SIZ	—	4	37.200	116.532	—	D	205	0.60*	—	HSF	—	—	—	0.3	HSF	—	—	—
1969		17	7: 3	54.50	SIZ	—	5	37.232	116.522	0.1	D	183	5.20*	—	HSF	—	—	—	1.4	HSF	—	—	—
1969		18	0:34	26.20	—	—	5	37.187	116.570	—	D	227	2.50	—	HSF	—	—	—	1.4	HSF	—	—	—
1969		18	1:27	6.90	—	—	4	37.185	116.570	—	D	228	0.60*	—	HSF	—	—	—	0.8	HSF	—	—	—
1969		18	20:33	19.50	SIZ	—	4	37.205	116.397	—	D	149	0.20*	—	HSF	—	—	—	3.0	HSF	—	—	—
1969		18	20:51	43.90	SIZ	—	4	37.215	116.393	—	D	152	9.60	—	HSF	—	—	—	2.9	HSF	—	—	—
1969		18	23:15	52.70	SIZ	—	5	37.203	116.408	—	D	154	6.50	—	HSF	—	—	—	2.2	HSF	—	—	—
1969		18	23:24	25.30	SIZ	—	5	37.210	116.398	—	D	147	9.10	—	HSF	—	—	—	1.6	HSF	—	—	—
1969		19	1:27	53.40	SIZ	—	5	37.203	116.408	0.8	C	153	5.50*	—	HSF	—	—	—	2.2	HSF	—	—	—
1969		19	1:32	9.90	SIZ	—	5	37.202	116.407	0.7	C	155	5.50*	—	HSF	—	—	—	1.6	HSF	—	—	—
1969		19	2:51	3.30	SIZ	—	5	37.203	116.407	0.7	C	153	6.00*	—	HSF	—	—	—	1.8	HSF	—	—	—
1969		19	2:58	0.70	SIZ	—	5	37.205	116.407	0.6	C	153	5.20*	—	HSF	—	—	—	1.7	HSF	—	—	—
1969		19	5: 4	0.60	SIZ	—	5	37.203	116.405	0.6	C	153	5.30*	—	HSF	—	—	—	1.8	HSF	—	—	—
1969		19	5:48	7.60	SIZ	—	5	37.205	116.405	0.8	C	152	5.20*	—	HSF	—	—	—	1.5	HSF	—	—	—
1969		19	10:30	17.60	SIZ	—	5	37.198	116.412	0.9	C	158	6.00*	—	HSF	—	—	—	2.4	HSF	—	—	—
1969		19	13: 9	10.90	—	—	5	37.185	116.575	—	D	230	6.10	—	HSF	—	—	—	1.9	HSF	—	—	—
1969		20	5: 8	48.80	SIZ	—	5	37.213	116.388	—	D	179	12.90	—	HSF	—	—	—	1.5	HSF	—	—	—
1969		20	18:53	22.50	SIZ	—	4	37.177	116.552	—	D	144	3.00*	—	HSF	—	—	—	1.7	HSF	—	—	—
1969		20	23: 3	0.90	SIZ	—	6	37.210	116.403	0.8	C	169	5.70*	—	HSF	—	—	—	2.0	HSF	—	—	—
1969		20	23:17	35.10	SIZ	—	6	37.200	116.410	0.8	C	159	5.80*	—	HSF	—	—	—	1.2	HSF	—	—	—
1969		21	2: 3	43.60	SIZ	—	6	37.213	116.397	0.8	B	174	6.70	1.30	HSF	—	—	—	2.3	HSF	—	—	—
1969		21	2: 8	15.60	SIZ	—	5	37.198	116.413	—	D	155	7.00	—	HSF	—	—	—	1.3	HSF	—	—	—
1969		21	2:13	22.40	SIZ	—	6	37.205	116.405	0.7	C	165	6.20*	—	HSF	—	—	—	0.8	HSF	—	—	—
1969		21	3:32	22.30	SIZ	—	6	37.208	116.400	1.1	C	169	6.00	2.50	HSF	—	—	—	1.1	HSF	—	—	—
1969		21	7:58	16.60	SIZ	—	5	37.197	116.407	—	D	159	7.20	—	HSF	—	—	—	1.0	HSF	—	—	—
1969		21	9:28	38.50	SIZ	—	7	37.202	116.398	0.6	B	166	6.70	1.20	HSF	—	—	—	2.0	HSF	—	—	—
1969		21	11:48	20.70	SIZ	—	5	37.187	116.415	—	D	152	6.80	—	HSF	—	—	—	1.0	HSF	—	—	—
1969		21	12:38	57.30	SIZ	—	7	37.195	116.408	0.6	B	156	6.80	1.10	HSF	—	—	—	2.1	HSF	—	—	—
1969		21	21:47	16.40	SIZ	—	8	37.198	116.400	0.5	B	166	7.70	1.20	HSF	—	—	—	2.2	HSF	—	—	—
1969		21	22:37	13.10	SIZ	—	7	37.202	116.398	0.4	B	169	7.40	0.80	HSF	—	—	—	0.9	HSF	—	—	—
1969		22	0: 1	50.70	SIZ	—	9	37.203	116.402	0.4	A	116	6.80	1.00	HSF	—	—	—	2.2	HSF	—	—	—
1969		22	0:10	51.40	SIZ	—	9	37.203	116.400	0.4	A	116	6.80	1.50	HSF	—	—	—	2.1	HSF	—	—	—
1969		22	0:14	29.10	SIZ	—	8	37.208	116.390	0.5	B	187	8.70	1.10	HSF	—	—	—	1.0	HSF	—	—	—
1969		22	2:19	30.40	—	—	10	37.205	116.398	0.4	A	118	6.70	1.00	HSF	—	—	—	1.5	HSF	—	—	—
1969		22	3:16	52.80	SIZ	—	11	37.203	116.398	0.3	A	117	6.80	0.80	HSF	—	—	—	1.4	HSF	—	—	—
1969		22	4:35	11.50	SIZ	—	12	37.203	116.400	0.4	A	117	7.90	1.10	HSF	—	—	—	1.6	HSF	—	—	—
1969		22	7:58	58.90	SIZ	—	6	37.195	116.550	1.9	C	180	12.00	7.00	HSF	—	—	—	0.8	HSF	—	—	—
1969		22	11:31	42.50	SIZ	—	12	37.203	116.400	0.4	A	116	7.70	1.00	HSF	—	—	—	1.9	HSF	—	—	—
1969		22	12:45	9.00	SIZ	—	12	37.205	116.402	0.4	A	117	8.00	1.00	HSF	—	—	—	1.6	HSF	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE											
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	OTH
1969 AUG 22	14:37:26.10					10	37.188	116.568	0.7	D	226	5.10*	—	HSF	—	—	—	1.8 HSF	—	—
1969 23	1:45:20.40			SIZ	—	11	37.208	116.398	0.2	A	119	6.50	0.70	HSF	—	—	—	2.1 HSF	—	—
1969 23	3:33:24.40			SIZ	—	12	37.208	116.400	0.4	A	119	7.80	0.80	HSF	—	—	—	2.0 HSF	—	—
1969 23	3:36:37.60			SIZ	—	10	37.208	116.400	0.3	A	118	7.10	0.80	HSF	—	—	—	1.5 HSF	—	—
1969 23	3:47:12.70			SIZ	—	10	37.207	116.400	0.3	A	118	6.30	0.90	HSF	—	—	—	1.1 HSF	—	—
1969 23	3:56:53.80			SIZ	—	9	37.208	116.403	0.3	A	118	6.60	0.90	HSF	—	—	—	1.0 HSF	—	—
1969 23	4:15:51.30			SIZ	—	7	37.203	116.403	0.5	B	138	7.10	1.10	HSF	—	—	—	0.8 HSF	—	—
1969 23	5: 4:25.30			SIZ	—	12	37.203	116.402	0.4	A	116	7.60	1.00	HSF	—	—	—	2.0 HSF	—	—
1969 23	5:33: 3.90			SIZ	—	11	37.205	116.402	0.5	A	117	7.10	1.20	HSF	—	—	—	1.0 HSF	—	—
1969 23	6:16:54.60			SIZ	—	10	37.198	116.583	0.3	B	126	7.40	0.90	HSF	—	—	—	1.4 HSF	—	—
1969 23	8:17:42.70			SIZ	—	11	37.157	116.403	0.6	B	133	5.00	0.60	HSF	—	—	—	1.8 HSF	—	—
1969 23	11:27:47.40			SIZ	—	10	37.203	116.402	0.2	A	116	6.60	0.70	HSF	—	—	—	2.1 HSF	—	—
1969 23	16:57:39.60			SIZ	—	10	37.203	116.400	0.2	A	116	6.30	0.70	HSF	—	—	—	1.4 HSF	—	—
1969 24	5:12:54.10			SIZ	—	10	37.205	116.400	0.5	A	117	6.90	1.30	HSF	—	—	—	2.2 HSF	—	—
1969 24	5:41:41.40			SIZ	—	10	37.205	116.398	0.5	B	118	6.60	2.60	HSF	—	—	—	1.5 HSF	—	—
1969 26	3:16:18.70			SIZ	—	8	37.192	116.560	0.6	B	139	7.30	3.70	HSF	—	—	—	1.4 HSF	—	—
1969 27	5:16:41.40			SIZ	—	6	37.178	116.410	—	—	—	6.50	0.60	HSF	—	—	—	1.1 HSF	—	—
1969 27	14:44:51.70			SIZ	—	5	37.177	116.415	—	D	147	5.90	—	HSF	—	—	—	1.0 HSF	—	—
1969 28	1: 0: 7.10			SIZ	—	6	37.247	116.507	0.8	B	185	3.20	1.30	HSF	—	—	—	1.9 HSF	—	—
1969 28	5: 2: 7.20			SIZ	—	5	37.205	116.390	0.4	C	155	1.60*	—	HSF	—	—	—	1.3 HSF	—	—
1969 31	19:28:27.20			SIZ	—	5	37.262	116.620	5.6	D	319	1.60*	—	HSF	—	—	—	1.0 HSF	—	—
1969 SEP 3	3:44:13.80			SIZ	—	5	37.208	116.385	0.8	C	153	2.30*	—	HSF	—	—	—	0.9 HSF	—	—
1969 3	4: 3:28.00			SIZ	—	5	37.208	116.385	0.6	C	153	1.60*	—	HSF	—	—	—	0.8 HSF	—	—
1969 3	4:13:45.00			SIZ	—	5	37.208	116.385	0.6	C	153	1.60*	—	HSF	—	—	—	1.4 HSF	—	—
1969 5	1:26:38.80			SIZ	—	7	37.275	116.505	0.9	B	219	4.10	0.60	HSF	—	—	—	1.8 HSF	—	—
1969 6	22:38:38.80			SIZ	—	9	37.240	116.498	0.5	A	115	4.90	0.30	HSF	—	—	—	1.5 HSF	—	—
1969 8	11:34: 6.38			SIZ	—	—	36.125	117.908	—	B	—	3.50	—	PAS	—	1.3 BRP	2.6 PAS	—	—	—
1969 11	1:38: 4.70			SIZ	—	7	37.198	116.500	0.8	B	192	3.10	1.20	HSF	—	—	—	1.9 HSF	—	—
1969 13	21: 1:33.60			SIZ	—	9	37.262	116.525	0.1	A	73	6.10	0.30	HSF	—	—	—	1.1 HSF	—	—
1969 16	14: 4:47.40			SIZ	—	9	37.258	116.510	0.3	B	122	4.80	0.20	HSF	—	—	—	1.7 HSF	—	—
1969 16	14:48:24.80			SIZ	—	13	37.315	116.462	0.1	C	62	0.60*	—	HSF	—	—	—	2.8 HSF	—	—
1969 16	14:52:40.30			SIZ	—	7	37.312	116.438	1.1	C	196	0.60*	—	HSF	—	—	—	2.8 HSF	—	—
1969 16	14:56:56.50			SIZ	—	13	37.317	116.457	0.4	C	81	0.60*	—	HSF	—	—	—	2.7 HSF	—	—
1969 16	14:57:39.60			SIZ	—	13	37.320	116.457	0.1	C	64	0.60*	—	HSF	—	—	—	2.8 HSF	—	—
1969 16	14:58:11.00			SIZ	—	10	37.318	116.453	0.5	C	90	0.60*	—	HSF	—	—	—	3.0 HSF	—	—
1969 16	14:59:36.50			SIZ	—	9	37.287	116.455	0.3	C	91	0.60*	—	HSF	—	—	—	2.9 HSF	—	—
1969 16	15: 1:35.40			SIZ	—	14	37.318	116.452	0.2	C	64	0.60*	—	HSF	—	—	—	2.7 HSF	—	—
1969 16	15: 4:59.30			SIZ	—	14	37.317	116.457	0.2	C	63	0.60*	—	HSF	—	—	—	2.8 HSF	—	—
1969 16	15:10:32.70			SIZ	—	15	37.315	116.455	0.2	C	62	0.60*	—	HSF	—	—	—	2.9 HSF	—	—
1969 16	15:14:58.70			SIZ	—	20	37.322	116.460	0.3	D	88	0.60	—	HSF	—	—	—	2.8 HSF	—	—
1969 16	15:16: 0.70			SIZ	—	14	37.318	116.457	0.5	C	67	0.60*	—	HSF	—	—	—	3.0 HSF	—	—
1969 16	15:21:32.10			SIZ	—	12	37.313	116.460	0.3	C	61	0.60*	—	HSF	—	—	—	2.7 HSF	—	—
1969 16	15:22:43.10			SIZ	—	13	37.315	116.462	0.2	C	63	0.60*	—	HSF	—	—	—	2.8 HSF	—	—
1969 16	15:28:39.30			SIZ	—	12	37.328	116.453	0.4	C	68	0.60*	—	HSF	—	—	—	2.5 HSF	—	—
1969 16	15:31:53.10			SIZ	—	13	37.320	116.458	0.4	C	68	0.60*	—	HSF	—	—	—	3.2 HSF	4.1 PDX	—
1969 16	15:34:50.60			SIZ	—	15	37.315	116.460	0.1	C	62	0.60*	—	HSF	—	—	—	2.8 HSF	—	—
1969 16	15:39:16.10			SIZ	—	10	37.317	116.463	0.3	C	86	0.60*	—	HSF	—	—	—	2.7 HSF	—	—
1969 16	15:43:39.10			SIZ	—	15	37.313	116.457	0.3	C	62	0.60*	—	HSF	—	—	—	4.3 HSF	4.9 PDX	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE															
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF		
1969 SEP 16	15:45:29.90			SIZ	—	6	37.318	116.458	0.6	C	83	0.60*	—	HSF	—	—	—	2.5	HSF	—	—	—		
1969 16	15:46:27.60			SIZ	—	9	37.312	116.455	0.5	C	107	0.60*	—	HSF	—	—	—	2.7	HSF	—	—	—		
1969 16	15:50:16.50			SIZ	—	14	37.315	116.458	0.2	C	62	0.60*	—	HSF	—	—	—	2.9	HSF	—	—	—		
1969 16	15:51:41.40			SIZ	—	10	37.327	116.453	0.5	C	113	0.60*	—	HSF	—	—	—	2.7	HSF	—	—	—		
1969 16	15:53:56.60			SIZ	—	10	37.318	116.460	0.4	C	68	0.60*	—	HSF	—	—	—	2.6	HSF	—	—	—		
1969 16	15:54:53.60			SIZ	—	7	37.312	116.450	0.7	C	139	0.60*	—	HSF	—	—	—	2.8	HSF	—	—	—		
1969 16	15:55:0.00			SIZ	—	—	37.300	116.500	—	—	—	0.00*	—	HSF*	—	—	—	3.0	HSF	—	—	—		
1969 16	15:56:36.90			SIZ	—	10	37.298	116.443	0.3	C	92	0.60*	—	HSF	—	—	—	2.4	HSF	—	—	—		
1969 16	15:58:20.40			SIZ	—	9	37.318	116.460	0.2	C	84	0.60*	—	HSF	—	—	—	2.8	HSF	—	—	—		
1969 16	16:2:1.90			SIZ	—	9	37.317	116.455	0.3	C	90	0.60*	—	HSF	—	—	—	3.0	HSF	—	—	—		
1969 16	16:3:38.60			SIZ	—	13	37.315	116.455	0.2	C	63	0.60*	—	HSF	—	—	—	3.0	HSF	—	—	—		
1969 16	16:7:26.20			SIZ	—	15	37.312	116.458	0.2	C	61	0.60*	—	HSF	—	—	—	2.9	HSF	—	—	—		
1969 16	16:14:23.60			SIZ	—	10	37.315	116.458	0.4	C	66	0.60*	—	HSF	—	—	—	2.8	HSF	—	—	—		
1969 16	16:18:42.10			SIZ	—	12	37.315	116.455	0.2	C	112	0.60*	—	HSF	—	—	—	2.8	HSF	—	—	—		
1969 16	16:19:33.10			SIZ	—	9	37.305	116.432	0.2	C	71	0.60*	—	HSF	—	—	—	2.1	HSF	—	—	—		
1969 16	16:21:0.50			SIZ	—	8	37.332	116.443	0.6	C	74	0.60*	—	HSF	—	—	—	2.7	HSF	—	—	—		
1969 16	16:22:26.80			SIZ	—	8	37.315	116.473	0.4	C	91	0.60*	—	HSF	—	—	—	2.8	HSF	—	—	—		
1969 16	16:23:53.40			SIZ	—	12	37.312	116.455	0.3	C	61	0.60*	—	HSF	—	—	3.7	PDX	3.6	HSF	4.4	PDX	4.4	GDY
1969 16	16:34:9.20			SIZ	—	11	37.318	116.453	0.3	C	64	0.60*	—	HSF	—	—	—	2.2	HSF	—	—	—	—	
1969 16	16:38:39.30			SIZ	—	13	37.315	116.458	0.2	C	91	0.60*	—	HSF	—	—	—	2.8	HSF	—	—	—	—	
1969 16	16:42:28.10			SIZ	—	14	37.312	116.463	0.1	C	61	0.60*	—	HSF	—	—	—	2.7	HSF	—	—	—	—	
1969 16	16:46:7.90			SIZ	—	17	37.318	116.460	0.2	C	63	0.60*	—	HSF	—	—	—	2.8	HSF	—	—	—	—	
1969 16	16:47:58.30			SIZ	—	14	37.317	116.453	0.3	C	63	0.60*	—	HSF	—	—	—	2.8	HSF	—	—	—	—	
1969 16	16:49:19.90			SIZ	—	11	37.317	116.453	0.2	C	63	0.60*	—	HSF	—	—	—	2.4	HSF	—	—	—	—	
1969 16	16:51:45.30			SIZ	—	16	37.313	116.462	0.2	C	62	0.60*	—	HSF	—	—	—	3.0	HSF	—	—	—	—	
1969 16	16:56:16.60			SIZ	—	17	37.315	116.458	0.1	B	55	1.90	1.00	HSF	—	—	—	2.7	HSF	—	—	—	—	
1969 16	17:2:45.30			SIZ	—	19	37.313	116.458	0.2	C	55	1.70*	—	HSF	—	—	—	2.7	HSF	—	—	—	—	
1969 16	17:8:2.50			SIZ	—	13	37.318	116.457	0.3	C	64	0.60*	—	HSF	—	—	—	2.8	HSF	—	—	—	—	
1969 16	17:11:39.40			SIZ	—	15	37.318	116.462	0.2	B	61	2.60	0.30	HSF	—	—	—	2.8	HSF	—	—	—	—	
1969 16	17:16:15.00			SIZ	—	15	37.318	116.460	0.2	C	64	0.60*	—	HSF	—	—	—	3.1	HSF	—	—	—	—	
1969 16	17:17:37.90			SIZ	—	15	37.315	116.460	0.2	C	63	0.60*	—	HSF	—	—	—	3.0	HSF	—	—	—	—	
1969 16	17:21:0.00			SIZ	—	—	37.300	116.500	—	—	—	0.00*	—	HSF*	—	—	—	3.0	HSF	—	—	—	—	
1969 16	17:23:10.30			SIZ	—	10	37.317	116.457	0.2	C	105	0.60*	—	HSF	—	—	—	2.8	HSF	—	—	—	—	
1969 16	17:24:12.50			SIZ	—	14	37.315	116.462	0.2	C	62	0.60*	—	HSF	—	—	—	3.2	HSF	—	—	—	—	
1969 16	17:31:14.20			SIZ	—	10	37.317	116.460	0.6	C	84	0.60*	—	HSF	—	—	4.2	PDX	4.4	HSF	5.0	PDX	5.0	GDY
1969 16	18:3:9.60			SIZ	—	14	37.320	116.452	0.2	C	65	0.60*	—	HSF	—	—	—	2.9	HSF	—	—	—	—	
1969 16	18:14:2.10			SIZ	—	9	37.312	116.447	0.3	C	65	0.60*	—	HSF	—	—	—	2.9	HSF	—	—	—	—	
1969 16	18:15:39.10			SIZ	—	13	37.317	116.455	0.3	C	64	0.60*	—	HSF	—	—	4.2	PDX	3.9	HSF	4.6	PDX	4.6	GDY
1969 16	18:37:41.40			SIZ	—	8	37.290	116.448	0.3	B	85	4.70	0.70	HSF	—	—	—	1.1	HSF	—	—	—	—	
1969 16	19:28:5.60			SIZ	—	18	37.293	116.440	0.2	B	76	3.60	0.30	HSF	—	—	—	2.7	HSF	—	—	—	—	
1969 16	20:7:34.50			SIZ	—	17	37.303	116.432	0.2	B	87	3.90	0.30	HSF	—	—	—	2.6	HSF	—	—	—	—	
1969 16	20:18:17.20			SIZ	—	15	37.305	116.430	0.2	B	48	3.80	0.30	HSF	—	—	—	2.6	HSF	—	—	—	—	
1969 16	21:19:34.40			SIZ	—	13	37.290	116.447	0.2	A	53	4.50	0.30	HSF	—	—	—	2.0	HSF	—	—	—	—	
1969 16	21:46:42.40			SIZ	—	15	37.287	116.450	0.2	A	47	4.10	0.20	HSF	—	—	—	1.9	HSF	—	—	—	—	
1969 16	23:4:10.70			SIZ	—	15	37.325	116.450	0.2	A	69	2.40	0.00	HSF	—	—	—	2.4	HSF	—	—	—	—	
1969 16	23:22:24.50			SIZ	—	8	37.308	116.473	0.2	A	76	3.80	0.20	HSF	—	—	—	2.3	HSF	—	—	—	—	
1969 16	23:56:29.20			SIZ	—	5	37.325	116.458	1.2	D	237	3.00*	0.30	HSF	—	—	—	2.3	HSF	—	—	—	—	
1969 17	0:25:12.90			SIZ	—	14	37.285	116.443	0.2	A	80	2.30	0.30	HSF	—	—	—	1.1	HSF	—	—	—	—	

SC8 HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY				MAGNITUDE														
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1969	NOV	6	6	9:25	40	SIZ	—	12	37.325	116.462	0.4	B	92	1.00	1.00	HSF	—	3	BRP	3.0	BRP	—	—	2.0	HSF	—	—	—
1969	8	6:58	2	36	—	—	—	—	37.151	114.978	—	—	—	8.00*	—	—	—	—	—	—	—	—	—	3.3	PDX	3.3	KKG	—
1969	8	8:37	27	90	—	SIZ	—	9	37.305	116.447	0.2	A	88	6.50	0.40	HSF	—	—	—	—	—	—	—	0.4	HSF	—	—	—
1969	9	12:53	14	20	—	SIZ	—	5	37.333	116.428	1.0	D	247	3.00*	—	—	—	—	—	—	—	—	0.3	HSF	—	—	—	
1969	10	6:30	44	50	—	SIZ	—	5	37.237	116.525	0.6	D	181	3.00*	—	—	—	—	—	—	—	—	0.1	HSF	—	—	—	
1969	11	20:27	31	80	—	SIZ	—	7	37.298	116.542	2.8	D	261	8.00*	—	—	—	—	—	—	—	—	1.4	HSF	—	—	—	
1969	14	6:38	9	20	—	SIZ	—	6	37.202	116.553	1.2	D	291	4.70*	—	—	—	—	—	—	—	—	1.1	HSF	—	—	—	
1969	14	6:51	6	30	—	SIZ	—	6	37.215	116.523	7.0	D	282	4.70	2.70	HSF	—	—	—	—	—	—	0.5	HSF	—	—	—	
1969	14	7:17	17	80	—	SIZ	—	6	37.207	116.523	2.0	C	280	6.30	2.10	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	
1969	14	8:45	39	56	—	—	—	—	35.944	117.558	—	C	—	10.00*	—	—	—	—	1.5	BRP	2.7	PAS	—	—	—	—	—	
1969	14	12:51	5	30	—	SIZ	—	7	37.205	116.557	2.4	D	293	6.50*	—	—	—	—	—	—	—	—	1.8	HSF	—	—	—	
1969	14	13:39	23	20	—	SIZ	—	6	37.202	116.555	2.4	D	291	5.00*	—	—	—	—	—	—	—	—	1.0	HSF	—	—	—	
1969	14	15:58	15	70	—	SIZ	—	7	37.203	116.547	1.1	D	289	4.90*	—	—	—	—	—	—	—	—	1.4	HSF	—	—	—	
1969	15	8:12	15	10	—	SIZ	—	4	37.208	116.542	—	D	287	5.80*	—	—	—	—	—	—	—	—	0.5	HSF	—	—	—	
1969	15	9:45	12	00	—	SIZ	—	5	37.242	116.490	0.7	D	269	5.10*	—	—	—	—	—	—	—	—	0.5	HSF	—	—	—	
1969	16	7:23	59	27	—	—	—	—	35.815	117.637	—	B	—	10.00*	—	—	—	—	1.5	BRP	2.7	PAS	—	—	—	—	—	
1969	17	6:28	32	87	—	—	—	—	36.174	117.366	—	B	—	10.00*	—	—	—	—	1.5	BRP	2.7	PAS	—	—	—	—	—	
1969	17	8:35	35	70	—	SIZ	—	6	37.198	116.532	2.7	D	282	3.30	1.00	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	
1969	17	17:27	57	40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1969	19	13:3	11	20	—	SIZ	—	6	37.182	116.630	1.5	D	308	1.20*	—	—	—	—	—	—	—	—	0.6	HSF	—	—	—	
1969	19	13:37	19	70	—	SIZ	—	5	37.197	116.522	3.9	D	278	0.80*	—	—	—	—	—	—	—	—	0.1	HSF	—	—	—	
1969	19	14:9	5	80	—	SIZ	—	5	37.195	116.520	2.5	D	277	3.00*	—	—	—	—	—	—	—	—	0.4	HSF	—	—	—	
1969	20	13:50	24	50	—	SIZ	—	6	37.200	116.508	3.3	D	271	3.00*	—	—	—	—	—	—	—	—	1.0	HSF	—	—	—	
1969	21	12:21	11	20	—	SIZ	—	9	37.205	116.580	0.5	B	117	3.80	0.80	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	
1969	21	19:31	42	70	—	SIZ	—	8	37.143	116.505	0.1	B	167	3.50	0.20	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	
1969	23	5:43	3	40	—	SIZ	—	7	37.282	116.453	0.4	B	101	4.60	0.30	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	
1969	25	19:6	20	15	—	—	—	—	35.987	117.629	—	B	—	10.00*	—	—	—	—	1.8	BRP	3.0	PAS	—	—	—	—	—	
1969	30	12:28	21	50	—	SIZ	—	10	37.210	116.397	0.2	B	123	4.80	0.20	HSF	—	—	—	—	—	—	1.1	HSF	—	—	—	
1969	DEC	1	6:41	22	27	—	—	—	35.909	117.604	—	B	—	10.00*	—	—	—	—	1.8	BRP	3.0	PAS	—	—	—	—	—	
1969	4	13:44	43	04	—	—	—	—	35.942	117.576	—	B	—	10.00*	—	—	—	—	1.3	BRP	2.6	PAS	—	—	—	—	—	
1969	6	23:19	58	68	—	—	—	—	35.940	117.902	—	B	—	10.00*	—	—	—	—	1.5	BRP	2.7	PAS	—	—	—	—	—	
1969	7	0:36	43	24	—	—	—	—	35.919	117.896	—	C	—	10.00*	—	—	—	—	1.5	BRP	2.7	PAS	—	—	—	—	—	
1969	7	14:57	13	70	—	SIZ	—	5	37.315	116.472	0.4	C	123	1.40*	—	—	—	—	—	—	—	—	0.4	HSF	—	—	—	
1969	7	22:24	12	00	—	SIZ	—	10	37.210	116.393	0.2	B	82	4.50	0.30	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	
1969	8	2:26	25	53	—	—	—	—	37.142	116.961	—	—	—	8.00*	—	—	—	—	—	—	—	—	0.7	HSF	—	—	3.5	PAS
1969	8	9:41	16	80	—	SIZ	—	5	37.322	116.465	0.1	C	125	4.20*	—	—	—	—	—	—	—	—	0.5	HSF	—	—	—	
1969	8	18:40	28	60	—	SIZ	—	7	37.212	116.393	0.5	B	118	5.00	0.40	HSF	—	—	—	—	—	—	0.5	HSF	—	—	—	
1969	9	6:41	21	40	—	SIZ	—	9	37.210	116.513	0.3	B	191	4.80	0.20	HSF	—	—	—	—	—	—	1.0	HSF	—	—	—	
1969	9	20:22	17	80	—	SIZ	—	8	37.315	116.472	0.3	B	124	1.60	0.40	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	
1969	10	8:5	53	90	—	SIZ	—	7	37.243	116.515	0.6	B	172	4.80	0.60	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	
1969	10	18:30	1	88	—	—	—	—	37.146	116.010	—	—	—	8.00*	—	—	—	—	—	—	—	—	—	—	—	—	4.6	GOY
1969	12	5:3	48	40	—	SIZ	—	8	37.255	116.515	0.3	A	95	4.80	0.30	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	
1969	12	12:55	30	90	—	SIZ	—	9	37.313	116.462	0.6	A	116	4.70	0.60	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	
1969	12	14:49	45	20	—	SIZ	—	5	37.228	116.482	1.2	D	235	0.50*	—	—	—	—	—	—	—	—	0.8	HSF	—	—	—	
1969	12	15:53	21	30	—	SIZ	—	6	37.315	116.468	0.4	C	122	2.50*	—	—	—	—	—	—	—	—	0.8	HSF	—	—	—	
1969	15	2:34	48	10	—	SIZ	—	9	37.325	116.480	0.3	B	87	2.90	0.80	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	
1969	15	14:43	4	60	—	SIZ	—	5	37.280	116.465	0.1	D	185	3.10*	—	—	—	—	—	—	—	—	0.1	HSF	—	—	—	
1969	15	23:46	19	20	—	SIZ	—	8	37.247	116.520	0.2	B	173	4.30	0.20	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	
1969	16	1:45	4	30	—	SIZ	—	12	37.317	116.472	0.4	B	75	3.80	0.50	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER						INTENSITY		MAGNITUDE													
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	REF	MD	REF	mb	REF	OTH	REF
1969 DEC 16		17:37:57.00					6	36.400	117.900							BRK		1.8 BRP	3.0 BRK							
1969 17		12:23:57.90			SIZ		6	37.313	116.472			0.3 C	104	2.70*		HSF					0.4	HSF				
1969 17		15:47:53.00			CSNL		16	37.000	116.000							ISC										
1969 17		22:37:5.90			SIZ		7	37.313	116.470			0.4 C	92	3.00*		HSF					1.1	HSF				
1969 18		22:33:38.80			SIZ		12	37.212	116.513			0.4 B	191	4.50		0.30 HSF					2.3	HSF				
1969 18		22:36:17.30			SIZ		13	37.208	116.513			0.4 B	192	4.70		0.30 HSF					2.2	HSF				
1969 19		5:36:59.60			SIZ		14	37.213	116.512			0.2 A	118	4.40		0.20 HSF					1.8	HSF				
1969 19		5:53:58.50			SIZ		14	37.212	116.513			0.2 A	119	4.40		0.20 HSF					1.8	HSF				
1969 19		6:23:58.10			SIZ		13	37.220	116.502			0.4 A	115	4.50		0.40 HSF					1.9	HSF				
1969 19		10:49:20.90			SIZ		9	37.218	116.505			0.5 B	114	6.70*		HSF					0.2	HSF				
1969 20		12:42:51.10			SIZ		6	37.293	116.455			0.7 C	127	2.50*		HSF					0.2	HSF				
1969 22		7:32: 0.80			SIZ		8	37.225	116.515			0.3 B	184	4.80		0.20 HSF					0.7	HSF				
1969 25		8:44:27.00			SIZ		11	37.167	116.312			0.5 B	131	4.00		0.70 HSF					1.2	HSF				
1969 25		11:41:19.10			SIZ		6	37.282	116.435			0.4 B	126	4.50		0.50 HSF					0.4	HSF				
1969 30		12:23:26.60			SIZ		9	37.250	116.517			0.4 A	96	4.80		0.50 HSF					1.1	HSF				
1969 31		0:22:54.10			SIZ		5	37.323	116.460			0.6 C	147	4.00*		HSF					1.2	HSF				
1969 31		7:27:35.60			SIZ		13	37.252	116.515			0.1 A	69	5.10		0.40 HSF					1.5	HSF				
1969 31		18:13:27.10			SIZ		10	37.208	116.515			0.4 C	121	3.80*		HSF					0.9	HSF				
1970 JAN 1		16:44:24.70			SIZ		6	37.263	116.433			0.8 C	123	7.70*		HSF					1.0	HSF				
1970 1		22:47:55.20			SIZ		12	37.255	116.502			0.2 A	111	4.10		0.20 HSF					1.9	HSF				
1970 2		5: 6:43.50			SIZ		9	37.257	116.502			0.2 A	107	3.90		0.30 HSF					1.5	HSF				
1970 2		7: 8:15.80			SIZ		11	37.295	116.400			0.1 A	96	5.70		0.30 HSF					1.4	HSF				
1970 2		20: 1:31.60			SIZ	0.69	13	37.418	114.963							RYN		1.3 BRP	4.0 RYN							
1970 2		21:47:56.04						35.744	117.849			C		10.00*		PAS			2.6 PAS							
1970 3		19:33:17.30			SIZ		7	37.267	116.472			0.2 B	135	3.50		0.70 HSF					1.0	HSF				
1970 4		10:52: 3.10			SIZ		9	37.253	116.513			0.5 B	95	5.20		0.70 HSF					0.7	HSF				
1970 4		11:44:22.90			SIZ		8	37.250	116.515			0.4 B	139	5.00		0.30 HSF					0.4	HSF				
1970 4		19: 5: 4.30			SIZ		7	37.312	116.468			0.4 B	91	3.80		0.60 HSF					1.4	HSF				
1970 5		6:36:47.20			SIZ		5	37.267	116.518			0.9 C	171	4.30*		HSF					0.6	HSF				
1970 5		9:58: 9.40			SIZ		11	37.252	116.515			0.2 A	69	4.80		0.20 HSF					1.7	HSF				
1970 5		12: 1:51.90			SIZ		11	37.228	116.513			0.3 A	109	4.70		0.30 HSF					1.6	HSF				
1970 5		14:25:34.40			SIZ		8	37.227	116.510			0.2 C	110	5.00*		HSF					1.1	HSF				
1970 5		16:23:49.40			SIZ		6	37.252	116.517			0.5 C	166	4.80*		HSF					0.7	HSF				
1970 5		16:38:47.20			SIZ		13	37.227	116.512			0.2 A	110	4.70		0.20 HSF		1.1 BRP	2.4 PAS		1.5	HSF				
1970 7		3:25:26.92					3	35.711	117.675			C		10.00*		PAS					2.0	HSF				
1970 8		2:33:16.60			SIZ		14	37.237	116.492			0.1 A	93	3.70		0.10 HSF										
1970 8		8: 0:29.00			SIZ		13	37.252	116.515			0.2 A	69	4.70		0.20 HSF					2.4	HSF				
1970 8		9: 0:58.90			SIZ		5	37.252	116.518			0.3 D	192	4.60*		HSF					0.3	HSF				
1970 10		19:57:52.20			SIZ		13	37.252	116.515			0.2 A	69	5.30		0.40 HSF					1.1	HSF				
1970 11		15:52:15.40			SIZ		11	37.203	116.500			0.3 B	124	2.80		0.60 HSF					1.4	HSF				
1970 12		11:24:10.30					11	37.043	116.423			0.8 C	240	9.80		1.70 HSF					1.4	HSF				
1970 12		19: 4:15.09						35.858	117.641			A		10.00*		PAS	1	BRP	2.1 BRP	3.2 PAS						
1970 13		5: 0: 9.50			SIZ		7	37.212	116.577			0.4 C	144	5.00*		HSF					0.4	HSF				
1970 13		5:41:19.40			SIZ		6	37.212	116.580			0.6 C	156	5.00*		HSF					0.3	HSF				
1970 13		11:23:15.50			SIZ		7	37.213	116.582			0.6 C	142	5.00*		HSF					0.1	HSF				
1970 14		9:35:26.90			SIZ		6	37.265	116.455			0.3 B	117	3.50		0.90 HSF					0.8	HSF				
1970 15		2:40:27.20			SIZ		12	37.252	116.518			0.1 A	71	4.70		0.10 HSF					1.0	HSF				
1970 15		2:46: 8.00			SIZ		13	37.253	116.515			0.2 A	69	5.30		0.50 HSF					1.5	HSF				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY		MAGNITUDE													
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1970 JAN 15	3:10:50.40			SIZ	—	13	37.228	116.513	0.1	A	109	4.80	0.10	HSF	—	—	—	—	—	1.8	HSF	—	—	—	—
1970 JAN 20	0:31:33.30			SIZ	—	6	37.215	116.588	1.5	C	149	5.60	8.00	HSF	—	—	—	—	—	0.4	HSF	—	—	—	—
1970 JAN 20	0:32:2.20			SIZ	—	6	37.215	116.580	0.2	B	148	4.10	0.30	HSF	—	—	—	—	—	0.2	HSF	—	—	—	—
1970 JAN 20	1:10:9.70			SIZ	—	9	37.212	116.578	0.3	B	113	4.00	0.40	HSF	—	—	—	—	—	1.4	HSF	—	—	—	—
1970 JAN 20	1:57:5.90			SIZ	—	11	37.210	116.577	0.3	C	146	5.10*	—	HSF	—	—	—	—	—	1.3	HSF	—	—	—	—
1970 JAN 21	3:47:13.60			SIZ	—	8	37.257	116.442	0.3	B	145	0.60	0.30	HSF	—	—	—	—	—	1.6	HSF	—	—	—	—
1970 JAN 24	2:29:53.50			SIZ	—	9	37.230	116.473	0.3	B	123	1.60	0.30	HSF	—	—	—	—	—	0.8	HSF	—	—	—	—
1970 JAN 25	9:24:22.80			SIZ	—	7	37.252	116.515	0.3	B	134	5.30	0.70	HSF	—	—	—	—	—	0.6	HSF	—	—	—	—
1970 JAN 26	10:58:32.30			SIZ	0.08	5	37.506	115.136	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970 JAN 30	17:9:55.00			CSNL	—	13	36.900	116.000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	ISC
1970 JAN 30	17:47:29.80			SIZ	—	9	37.192	116.500	0.4	C	235	2.70	0.60	HSF	—	—	—	—	—	1.2	HSF	—	—	—	—
1970 JAN 31	6:42:27.50			SIZ	—	6	37.223	116.500	0.6	B	166	3.90	0.70	HSF	—	—	—	—	—	1.2	HSF	—	—	—	—
1970 FEB 3	10:29:23.71			SIZ	—	—	36.134	117.686	—	A	—	10.00*	—	—	PAS	1	BRP	2.1	BRP	3.2	PAS	—	—	—	—
1970 FEB 3	10:41:26.10			SIZ	—	8	37.315	116.443	0.1	B	148	7.80	0.30	HSF	—	—	—	—	—	1.3	HSF	—	—	—	—
1970 FEB 4	17:30:47.00			CSNL	—	11	36.900	116.000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.9	ISC
1970 FEB 4	18:7:20.00			CSNL	—	13	37.700	116.800	—	—	—	33.00*	—	—	—	—	—	—	—	—	—	—	—	4.4	ISC
1970 FEB 4	19:31:46.90			SIZ	—	9	37.200	116.488	0.3	B	203	2.60	0.40	HSF	—	—	—	—	—	1.8	HSF	—	—	—	—
1970 FEB 5	4:36:57.70			SIZ	—	8	37.262	116.493	0.3	B	126	3.30	0.40	HSF	—	—	—	—	—	1.0	HSF	—	—	—	—
1970 FEB 5	19:37:4.00			CPDX	—	19	37.164	116.039	—	—	—	—	—	—	PDX	5	BRP	4.0	BRP	—	—	4.3	PDX	—	—
1970 FEB 6	20:2:48.63			SIZ	—	4	38.476	116.074	—	—	—	12.20	—	—	SHJ	—	—	—	—	1.0	SHJ	—	—	—	—
1970 FEB 7	10:50:17.20			SIZ	—	5	37.303	116.390	1.2	C	132	7.50*	—	—	HSF	—	—	—	—	1.1	HSF	—	—	—	—
1970 FEB 8	15:56:26.60			SIZ	0.77	8	37.317	115.402	—	—	—	—	—	—	RYN	—	—	3.5	RYN	—	—	—	—	—	—
1970 FEB 10	16:39:54.20			SIZ	—	5	37.248	116.497	1.1	C	142	3.00*	—	—	HSF	—	—	—	—	0.5	HSF	—	—	—	—
1970 FEB 10	20:28:31.02			SIZ	—	7	38.487	116.620	—	—	—	5.00*	—	—	SHJ	—	—	—	—	1.0	SHJ	—	—	—	—
1970 FEB 12	13:23:57.12			SIZ	—	—	36.842	115.971	—	C	—	10.00*	—	—	PAS	—	—	2.6	PAS	—	—	—	—	—	—
1970 FEB 12	19:17:23.50			SIZ	—	7	37.318	116.477	0.2	B	103	2.50	1.80	HSF	—	—	—	—	—	1.8	HSF	—	—	—	—
1970 FEB 13	12:30:13.10			SIZ	0.29	7	38.411	117.906	—	—	—	—	—	—	RYN	—	—	3.1	RYN	—	—	—	—	—	—
1970 FEB 13	17:40:22.70			SIZ	—	8	37.200	116.483	0.2	B	196	2.00	0.20	HSF	—	—	—	—	—	2.0	HSF	—	—	—	—
1970 FEB 15	5:10:10.80			SIZ	—	5	37.255	116.490	0.1	C	125	3.50*	—	—	HSF	—	—	—	—	0.5	HSF	—	—	—	—
1970 FEB 15	7:20:11.30			SIZ	—	9	37.142	116.492	0.4	C	239	2.90	0.30	HSF	—	—	—	—	—	1.1	HSF	—	—	—	—
1970 FEB 15	14:32:33.20			SIZ	—	5	37.215	116.563	1.1	D	270	3.90*	—	—	HSF	—	—	—	—	0.1	HSF	—	—	—	—
1970 FEB 15	15:14:23.61			SIZ	—	3	38.478	116.229	—	—	—	5.00*	—	—	SHJ	—	—	—	—	0.7	SHJ	—	—	—	—
1970 FEB 16	13:51:3.40			SIZ	—	6	37.278	116.447	0.5	B	120	3.10	0.60	HSF	—	—	—	—	—	0.8	HSF	—	—	—	—
1970 FEB 17	12:18:0.90			SIZ	—	6	37.205	116.527	2.4	C	244	3.80	1.90	HSF	—	—	—	—	—	2.0	HSF	—	—	—	—
1970 FEB 18	22:16:4.30			SIZ	—	8	37.142	116.492	0.5	C	239	2.10	1.10	HSF	—	—	—	—	—	2.0	HSF	—	—	—	—
1970 FEB 18	22:16:40.40			SIZ	—	6	37.095	116.657	6.8	D	300	0.60*	—	—	HSF	—	—	—	—	2.2	HSF	—	—	—	—
1970 FEB 19	9:46:38.80			SIZ	—	8	37.315	116.465	0.3	B	141	2.80	0.60	HSF	—	—	—	—	—	1.8	HSF	—	—	—	—
1970 FEB 20	19:56:0.40			SIZ	—	9	37.198	116.592	0.4	D	251	0.70*	—	—	HSF	—	—	—	—	1.5	HSF	—	—	—	—
1970 FEB 21	4:16:40.60			SIZ	—	10	37.145	116.488	0.5	C	237	1.10	1.60	HSF	—	—	—	—	—	2.1	HSF	—	—	—	—
1970 FEB 23	9:5:5.50			SIZ	—	5	37.178	116.468	0.2	D	203	3.50*	—	—	HSF	—	—	—	—	0.3	HSF	—	—	—	—
1970 FEB 24	5:58:30.50			SIZ	—	3	37.263	116.460	—	D	143	3.00*	—	—	HSF	—	—	—	—	0.4	HSF	—	—	—	—
1970 FEB 24	6:50:3.00			SIZ	—	9	37.227	116.510	0.3	B	216	4.70	0.20	HSF	—	—	—	—	—	1.9	HSF	—	—	—	—
1970 FEB 26	17:43:4.90			CSNL	—	12	37.580	116.110	—	—	—	—	—	—	ISC	—	—	—	—	—	—	—	—	3.9	ISC
1970 FEB 27	0:13:58.56			SIZ	—	—	37.022	116.096	—	—	—	8.00*	—	—	GDY	—	—	—	—	—	—	—	—	3.5	GDY
1970 FEB 27	3:21:7.60			SIZ	—	5	37.210	116.578	1.1	D	262	1.90*	—	—	HSF	—	—	—	—	0.1	HSF	—	—	—	—
1970 FEB 27	10:6:46.90			SIZ	—	9	37.255	116.515	0.2	B	133	5.20	0.30	HSF	—	—	—	—	—	0.5	HSF	—	—	—	—
1970 FEB 27	18:12:40.40			SIZ	—	8	37.193	116.590	0.5	D	234	0.60*	—	—	HSF	—	—	—	—	1.8	HSF	—	—	—	—
1970 MAR 1	5:44:22.90			SIZ	—	—	36.333	117.416	—	—	—	8.00	—	—	PDX	—	—	2.9	PDX	—	—	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE															
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1970 MAR	2	4:56:00.00			SIZ	—	5	37.283	116.535	0.8	D	279	4.40*	—	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1970	4	18:10:52.60			SIZ	—	8	37.250	116.513	0.3	B	190	4.60	0.20	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1970	5	7:47:58.40			—	—	5	37.197	116.607	1.3	D	285	2.20*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—
1970	6	7:20:46.90			SIZ	—	8	37.207	116.492	0.4	B	121	1.30	0.70	HSF	—	—	—	—	—	—	0.5	HSF	—	—	—	—
1970	6	9:27:11.00			SIZ	—	7	37.202	116.582	0.9	C	163	1.00	6.20	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	—
1970	7	1:31:7.98			—	—	4	37.481	117.962	—	—	—	3.00*	—	PHM	—	—	—	—	—	—	0.5	PHM	—	—	—	—
1970	8	5:11:30.40			—	—	4	37.073	116.455	—	D	267	3.20	—	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970	8	18:15:56.00			SIZ	—	6	37.240	116.545	1.7	C	226	4.20	1.10	HSF	—	—	—	—	—	—	0.3	HSF	—	—	—	—
1970	9	2:40:34.90			—	—	4	37.068	116.457	—	D	270	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970	9	3:14:8.16			—	—	5	37.479	117.958	—	—	—	5.80	—	PHM	—	—	—	—	—	—	0.9	PHM	—	—	—	—
1970	9	20:21:32.48			—	—	5	37.545	117.891	—	—	—	3.00*	—	PHM	—	—	—	—	—	—	0.4	PHM	—	—	—	—
1970	10	4:54:28.89			—	—	4	37.493	117.983	—	—	—	3.00*	—	PHM	—	—	—	—	—	—	—	—	—	—	—	—
1970	11	8:24:57.04			—	—	4	37.493	117.979	—	—	—	3.00*	—	PHM	—	—	—	—	—	—	0.7	PHM	—	—	—	—
1970	13	4:41:5.80			—	—	4	37.486	117.982	—	—	—	3.00*	—	PHM	—	—	—	—	—	—	0.5	PHM	—	—	—	—
1970	14	18:37:34.66			—	—	4	37.495	117.971	—	—	—	3.00*	—	PHM	—	—	—	—	—	—	—	—	—	—	—	—
1970	14	20:59:34.00			—	—	7	37.420	117.850	—	—	—	—	—	BRK	—	—	1.8	BRP	3.0	BRK	—	—	—	—	—	—
1970	15	17:32:44.25			—	—	4	37.262	117.691	—	—	—	3.00*	—	PHM	—	—	—	—	—	—	0.4	PHM	—	—	—	—
1970	16	3:24:21.80			SIZ	—	9	37.220	116.488	0.3	A	113	1.60	0.50	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1970	16	4:47:29.80			SIZ	—	13	37.220	116.490	0.2	A	113	1.30	0.40	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1970	16	8:18:48.50			SIZ	—	8	37.202	116.493	0.7	B	212	2.70	0.80	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970	17	11:6:24.66			—	—	3	37.505	117.996	—	—	—	6.60	—	PHM	—	—	—	—	—	—	0.9	PHM	—	—	—	—
1970	19	11:18:46.90			SIZ	—	8	37.285	116.533	0.5	A	106	3.70	0.90	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—
1970	19	16:29:19.95			CSNL	—	—	36.838	116.254	—	C	—	8.00*	—	PAS	—	—	—	—	—	—	—	—	—	—	—	—
1970	19	17:31:44.30			SIZ	—	9	37.285	116.455	0.3	B	147	1.70	0.30	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970	20	11:22:13.00			—	—	4	36.930	117.980	—	—	—	—	—	BRK	1	BRP	2.0	BRP	3.1	BRK	—	—	—	—	—	—
1970	20	16:47:57.22			—	—	—	35.791	117.667	—	B	—	10.00*	—	PAS	—	—	1.6	BRP	2.8	PAS	—	—	—	—	—	—
1970	21	7:57:29.01			—	—	5	37.486	117.974	—	—	—	6.50	—	PHM	—	—	—	—	—	—	0.4	PHM	—	—	—	—
1970	21	8:53:30.10			SIZ	—	12	37.227	116.507	0.3	A	78	3.20	0.50	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	—
1970	21	9:4:44.39			—	—	4	37.480	117.954	—	—	—	4.40	—	PHM	—	—	—	—	—	—	—	—	—	—	—	—
1970	21	10:35:11.10			SIZ	—	11	37.198	116.485	0.4	B	147	2.00	0.50	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970	21	18:35:50.60			SIZ	—	7	37.290	116.407	0.8	B	150	0.50	0.70	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—
1970	22	0:3:7.40			SIZ	—	13	37.200	116.482	0.2	A	86	1.60	0.50	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1970	22	4:15:6.90			SIZ	—	16	37.255	116.515	0.2	A	69	5.10	0.50	HSF	—	—	—	—	—	—	1.1	HSF	—	—	—	—
1970	22	10:2:21.80			SIZ	—	14	37.255	116.515	0.2	A	69	5.30	0.60	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1970	23	19:52:11.90			—	—	—	37.711	115.987	—	—	—	8.00*	—	GOY	5	BRP	4.0	BRP	4.0	PAS	—	—	4.3	PDX	4.3	KKG
1970	24	1:15:31.70			SIZ	0.61	5	37.233	116.155	—	—	—	—	—	RYN	—	—	—	4.5	RYN	—	—	—	—	—	—	—
1970	24	7:55:55.48			—	—	4	37.459	117.917	—	—	—	5.80	—	PHM	—	—	—	—	—	—	—	—	—	—	—	—
1970	25	1:40:54.60			SIZ	—	17	37.268	116.452	0.2	A	50	2.60	0.40	HSF	—	—	—	—	—	—	1.5	HSF	—	—	—	—
1970	25	6:31:54.34			—	—	5	37.484	117.964	—	—	—	3.00*	—	PHM	—	—	—	—	—	—	—	—	—	—	—	—
1970	25	15:38:54.00			SIZ	—	8	37.283	116.435	1.0	C	246	6.10	1.50	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—
1970	26	19:24:41.00			SIZ	—	7	37.285	116.587	1.0	C	120	0.60*	—	HSF	—	—	—	—	—	—	2.7	HSF	—	—	—	—
1970	26	20:9:32.20			SIZ	—	9	37.218	116.503	0.3	A	81	2.80	0.40	HSF	—	—	—	—	—	—	2.3	HSF	—	—	—	—
1970	26	20:19:33.90			SIZ	—	12	37.298	116.535	0.1	A	66	1.40	0.30	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—
1970	26	20:23:51.30			SIZ	—	13	37.305	116.535	0.2	A	60	1.70	0.40	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1970	26	20:31:57.70			SIZ	—	7	37.287	116.535	0.7	C	194	1.30	2.30	HSF	—	—	—	—	—	—	0.3	HSF	—	—	—	—
1970	27	0:14:38.50			—	1.64	7	37.577	116.793	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27	5:51:16.00			—	1.52	13	37.532	116.753	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27	7:44:58.40			SIZ	—	8	37.295	116.562	0.4	B	134	3.00	0.70	HSF	—	—	—	—	—	—	2.7	HSF	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1970	27				—	—	—	—	—	—	—	—	—	—	—												

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE																	
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1970 MAR 27	9:38: 7.80				SIZ	—	8	37.277	116.533	0.2	B	132	1.60	0.40	HSF	—	—	—	—	—	—	—	2.8	HSF	—	—	—
1970 MAR 27	14:23: 0.00				SIZ	—	—	37.300	116.500	—	—	—	0.00*	—	HSF*	—	—	—	—	—	—	—	3.0	HSF	—	—	—
1970 MAR 27	14:58:48.50				SIZ	—	7	37.292	116.560	1.2	C	211	0.00*	—	HSF	—	—	—	—	—	—	—	2.3	HSF	—	—	—
1970 MAR 27	15:45: 5.50				SIZ	—	10	37.307	116.547	0.3	A	72	3.60	0.50	HSF	—	—	—	—	3.8	RYN	—	2.8	HSF	—	—	—
1970 MAR 27	16: 3: 0.00				SIZ	—	—	37.300	116.500	—	—	—	0.00*	—	HSF*	—	—	—	—	—	—	—	3.0	HSF	—	—	—
1970 MAR 27	16:14:42.00				—	—	6	36.900	116.600	—	—	—	—	—	ISC	—	—	—	—	—	—	—	—	—	3.4	ISC	—
1970 MAR 27	16:42:18.80				—	—	—	37.503	116.456	—	—	—	8.00*	—	—	—	—	—	—	—	—	—	3.8	HSF	—	4.1	GDY
1970 MAR 27	16:50: 0.00				SIZ	—	—	37.300	116.500	—	—	—	0.00*	—	HSF*	—	—	—	—	—	—	—	3.1	HSF	—	—	—
1970 MAR 27	17: 7: 0.00				SIZ	—	—	37.300	116.500	—	—	—	0.00*	—	HSF*	—	—	—	—	—	—	—	3.0	HSF	—	—	—
1970 MAR 27	18: 8:25.70				SIZ	—	—	37.235	116.609	—	—	—	8.00*	—	—	—	—	—	—	—	—	—	3.8	HSF	—	4.2	GDY
1970 MAR 27	18:18:32.63				SIZ	—	—	37.243	116.593	—	—	—	8.00*	—	—	—	—	—	—	—	—	—	3.8	HSF	—	4.9	GDY
1970 MAR 27	18:33:26.30				—	0.45	10	36.623	116.115	—	—	—	—	—	—	—	—	—	—	4.0	RYN	—	—	—	—	—	—
1970 MAR 27	18:33:30.00				SIZ	—	11	37.310	116.543	0.2	A	62	4.00	0.40	HSF	—	—	—	—	—	—	—	2.7	HSF	—	—	—
1970 MAR 27	19:41:10.50				SIZ	—	6	37.307	116.547	0.2	B	115	4.70	0.10	HSF	—	—	—	—	—	—	—	1.1	HSF	—	—	—
1970 MAR 27	19:48:30.40				SIZ	—	10	37.295	116.550	0.4	A	83	1.70	0.90	HSF	—	—	—	—	—	—	—	1.8	HSF	—	—	—
1970 MAR 27	20:11:11.50				SIZ	—	14	37.283	116.575	0.2	A	101	2.90	0.20	HSF	—	—	—	—	—	—	—	1.5	HSF	—	—	—
1970 MAR 27	21: 9: 9.00				SIZ	—	11	37.297	116.547	0.2	A	81	3.00	0.50	HSF	—	—	—	—	—	—	—	1.1	HSF	—	—	—
1970 MAR 27	21:44: 8.10				SIZ	—	10	37.287	116.567	0.3	A	71	0.60	0.40	HSF	—	—	—	—	—	—	—	1.2	HSF	—	—	—
1970 MAR 28	0: 4: 4.00				SIZ	—	13	37.293	116.542	0.2	A	89	0.60	0.20	HSF	—	—	—	—	—	—	—	1.5	HSF	—	—	—
1970 MAR 28	0:17:58.20				SIZ	—	18	37.302	116.550	0.1	A	59	2.90	0.20	HSF	—	—	—	—	—	—	—	2.3	HSF	—	—	—
1970 MAR 28	0:42:21.10				SIZ	—	13	37.283	116.545	0.2	A	108	2.70	0.40	HSF	—	—	—	—	—	—	—	0.7	HSF	—	—	—
1970 MAR 28	1:25:10.80				SIZ	—	14	37.310	116.542	0.2	A	60	3.80	0.20	HSF	—	—	—	—	—	—	—	1.3	HSF	—	—	—
1970 MAR 28	1:29:44.50				SIZ	—	18	37.278	116.607	0.2	A	73	1.30	0.90	HSF	—	—	—	—	—	—	—	1.7	HSF	—	—	—
1970 MAR 28	1:36: 2.00				SIZ	—	20	37.310	116.547	0.2	A	59	3.90	0.20	HSF	—	—	—	—	—	—	—	1.5	HSF	—	—	—
1970 MAR 28	2: 5:41.30				SIZ	—	13	37.295	116.543	0.3	A	80	3.10	0.60	HSF	—	—	—	—	—	—	—	0.9	HSF	—	—	—
1970 MAR 28	2:57: 0.40				SIZ	—	9	37.282	116.598	0.4	B	166	2.20	0.40	HSF	—	—	—	—	—	—	—	1.0	HSF	—	—	—
1970 MAR 28	3:33:16.80				SIZ	—	12	37.277	116.550	0.3	A	116	4.40	0.30	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970 MAR 28	4:14:19.10				SIZ	—	14	37.277	116.548	0.2	A	116	4.80	0.20	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970 MAR 28	4:25:48.30				SIZ	—	20	37.265	116.580	0.2	A	65	2.00	0.20	HSF	—	—	—	—	—	—	—	1.7	HSF	—	—	—
1970 MAR 28	4:29:54.10				SIZ	—	20	37.307	116.545	0.1	A	58	3.70	0.20	HSF	—	—	—	—	—	—	—	2.7	HSF	—	—	—
1970 MAR 28	4:44:49.30				SIZ	—	20	37.283	116.548	0.1	A	57	3.10	0.20	HSF	—	—	—	—	—	—	—	2.3	HSF	—	—	—
1970 MAR 28	4:46:48.90				SIZ	—	14	37.283	116.548	0.2	A	108	3.30	0.30	HSF	—	—	—	—	—	—	—	0.7	HSF	—	—	—
1970 MAR 28	5: 3:13.10				SIZ	—	20	37.310	116.545	0.2	A	57	3.50	0.30	HSF	—	—	—	—	—	—	—	1.9	HSF	—	—	—
1970 MAR 28	5: 6:29.89				—	—	—	35.954	117.785	—	—	—	10.00*	—	PAS	—	1.1	BRP	2.4	PAS	—	—	—	—	—	—	—
1970 MAR 28	5:18:59.60				SIZ	—	19	37.310	116.547	0.2	B	57	3.70	0.30	HSF	—	—	—	—	—	—	—	2.2	HSF	—	—	—
1970 MAR 28	5:31:19.90				SIZ	—	18	37.307	116.547	0.2	A	67	3.50	0.20	HSF	—	—	—	—	—	—	—	2.1	HSF	—	—	—
1970 MAR 28	5:39:50.40				SIZ	—	11	37.275	116.597	0.3	B	126	2.40	0.40	HSF	—	—	—	—	—	—	—	0.7	HSF	—	—	—
1970 MAR 28	6:37:53.30				SIZ	—	19	37.302	116.567	0.1	A	62	1.80	0.10	HSF	—	—	—	—	—	—	—	2.4	HSF	—	—	—
1970 MAR 28	6:42:55.30				SIZ	—	12	37.277	116.553	0.3	B	130	2.80	0.60	HSF	—	—	—	—	—	—	—	0.6	HSF	—	—	—
1970 MAR 28	7:10:42.70				SIZ	—	18	37.297	116.573	0.1	A	62	2.70	0.20	HSF	—	—	—	—	—	—	—	1.9	HSF	—	—	—
1970 MAR 28	7:40:49.90				SIZ	—	17	37.308	116.547	0.3	A	60	3.60	0.40	HSF	—	—	—	—	—	—	—	1.3	HSF	—	—	—
1970 MAR 28	8:32:10.50				SIZ	—	11	37.297	116.572	0.3	B	145	2.70	0.40	HSF	—	—	—	—	—	—	—	0.2	HSF	—	—	—
1970 MAR 28	10:35:29.80				SIZ	—	16	37.290	116.475	0.3	A	87	4.40	0.30	HSF	—	—	—	—	—	—	—	0.7	HSF	—	—	—
1970 MAR 28	11:23:57.40				SIZ	—	20	37.200	116.585	0.2	B	96	3.40	0.30	HSF	—	—	—	—	—	—	—	1.9	HSF	—	—	—
1970 MAR 28	11:27:42.40				SIZ	—	18	37.308	116.547	0.2	A	65	3.80	0.20	HSF	—	—	—	—	—	—	—	1.4	HSF	—	—	—
1970 MAR 28	14: 3:14.20				SIZ	—	19	37.275	116.548	0.2	A	60	4.60	0.20	HSF	—	—	—	—	—	—	—	1.1	HSF	—	—	—
1970 MAR 28	14: 6:48.50				SIZ	—	12	37.327	116.450	0.3	B	122	1.10	1.00	HSF	—	—	—	—	—	—	—	1.5	HSF	—	—	—
1970 MAR 28	14:54:31.90				SIZ	—	20	37.285	116.543	0.1	A	57	2.90	0.20	HSF	—	—	—	—	—	—	—	1.9	HSF	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE															
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1970	MAR	28	15:	9:	22.30	SIZ	—	8	37.313	116.543	0.3	B	121	2.90	0.70	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970		28	17:	28:	44.40	SIZ	—	15	37.300	116.552	0.3	A	68	3.80	0.40	HSF	—	—	—	—	—	—	—	1.2	HSF	—	—	—
1970		28	18:	31:	42.60	SIZ	—	21	37.305	116.552	0.1	A	60	3.80	0.20	HSF	—	—	—	—	—	—	—	1.5	HSF	—	—	—
1970		28	21:	19:	51.30	SIZ	—	9	37.295	116.542	0.2	A	120	3.00	0.40	HSF	—	—	—	—	—	—	—	1.2	HSF	—	—	—
1970		28	21:	25:	52.90	SIZ	—	14	37.302	116.567	0.2	A	92	1.60	0.30	HSF	—	—	—	—	—	—	—	1.8	HSF	—	—	—
1970		28	21:	59:	47.80	SIZ	—	21	37.308	116.548	0.2	A	61	3.90	0.20	HSF	—	—	—	—	—	—	—	1.8	HSF	—	—	—
1970		28	22:	43:	45.40	SIZ	—	12	37.310	116.548	0.3	A	99	3.90	0.40	HSF	—	—	—	—	—	—	—	0.7	HSF	—	—	—
1970		28	23:	17:	2.40	SIZ	—	17	37.307	116.552	0.2	A	60	3.90	0.20	HSF	—	—	—	—	—	—	—	1.6	HSF	—	—	—
1970		29	0:	7:	40.10	SIZ	—	14	37.277	116.552	0.3	A	77	2.60	0.50	HSF	—	—	—	—	—	—	—	1.4	HSF	—	—	—
1970		29	0:	33:	6.60	SIZ	—	20	37.302	116.563	0.1	A	61	1.50	0.20	HSF	—	—	—	—	—	—	—	2.1	HSF	—	—	—
1970		29	0:	43:	16.90	SIZ	—	10	37.285	116.580	0.2	B	145	2.50	0.20	HSF	—	—	—	—	—	—	—	0.4	HSF	—	—	—
1970		29	1:	14:	8.00	SIZ	—	15	37.290	116.553	0.2	A	103	3.80	0.20	HSF	—	—	—	—	—	—	—	0.5	HSF	—	—	—
1970		29	1:	17:	44.30	SIZ	—	16	37.292	116.552	0.2	A	107	3.50	0.20	HSF	—	—	—	—	—	—	—	0.7	HSF	—	—	—
1970		29	3:	2:	18.50	SIZ	—	10	37.293	116.547	0.2	A	106	2.90	0.40	HSF	—	—	—	—	—	—	—	0.1	HSF	—	—	—
1970		29	3:	27:	25.10	SIZ	—	12	37.297	116.550	0.4	A	79	4.00	0.50	HSF	—	—	—	—	—	—	—	0.6	HSF	—	—	—
1970		29	5:	31:	39.10	SIZ	—	15	37.312	116.540	0.2	A	60	3.10	0.40	HSF	—	—	—	—	—	—	—	1.2	HSF	—	—	—
1970		29	6:	31:	0.50	SIZ	—	16	37.300	116.565	0.1	A	69	1.50	0.20	HSF	—	—	—	—	—	—	—	1.7	HSF	—	—	—
1970		29	7:	16:	12.80	SIZ	—	14	37.308	116.548	0.3	A	89	3.90	0.40	HSF	—	—	—	—	—	—	—	0.6	HSF	—	—	—
1970		29	9:	15:	30.80	SIZ	—	16	37.277	116.565	0.2	A	119	2.60	0.30	HSF	—	—	—	—	—	—	—	1.4	HSF	—	—	—
1970		29	9:	51:	36.20	SIZ	—	12	37.290	116.550	0.4	A	89	2.80	0.70	HSF	—	—	—	—	—	—	—	0.9	HSF	—	—	—
1970		29	10:	10:	35.60	SIZ	—	15	37.308	116.543	0.3	A	60	3.40	0.50	HSF	—	—	—	—	—	—	—	0.4	HSF	—	—	—
1970		29	10:	41:	33.20	SIZ	—	16	37.293	116.550	0.2	A	79	3.40	0.30	HSF	—	—	—	—	—	—	—	1.2	HSF	—	—	—
1970		29	10:	42:	39.30	SIZ	—	19	37.293	116.557	0.3	B	73	2.80	0.40	HSF	—	—	—	—	—	—	—	2.3	HSF	—	—	—
1970		29	14:	23:	49.70	SIZ	—	16	37.290	116.547	0.2	A	87	3.30	0.30	HSF	—	—	—	—	—	—	—	1.2	HSF	—	—	—
1970		29	15:	41:	22.90	SIZ	—	15	37.298	116.573	0.2	A	89	2.40	0.20	HSF	—	—	—	—	—	—	—	0.9	HSF	—	—	—
1970		29	16:	33:	41.90	SIZ	—	15	37.297	116.545	0.2	A	77	3.20	0.30	HSF	—	—	—	—	—	—	—	1.7	HSF	—	—	—
1970		29	18:	24:	39.00	SIZ	—	19	37.310	116.538	0.1	A	51	3.10	0.20	HSF	—	—	—	—	—	—	—	1.7	HSF	—	—	—
1970		29	19:	11:	55.90	SIZ	—	13	37.287	116.498	0.5	A	112	4.20	0.50	HSF	—	—	—	—	—	—	—	0.3	HSF	—	—	—
1970		29	19:	34:	15.30	SIZ	—	12	37.297	116.543	0.2	A	66	3.40	0.50	HSF	—	—	—	—	—	—	—	0.5	HSF	—	—	—
1970		29	19:	35:	59.00	SIZ	—	10	37.308	116.552	0.4	A	100	3.50	0.60	HSF	—	—	—	—	—	—	—	0.2	HSF	—	—	—
1970		29	19:	49:	1.80	SIZ	—	19	37.328	116.402	0.2	B	92	2.60	1.30	HSF	—	—	—	—	—	—	—	1.8	HSF	—	—	—
1970		29	20:	32:	57.30	SIZ	—	13	37.303	116.548	0.2	A	68	2.20	0.30	HSF	—	—	—	—	—	—	—	1.4	HSF	—	—	—
1970		29	23:	51:	18.70	SIZ	—	17	37.312	116.545	0.2	A	55	3.90	0.30	HSF	—	—	—	—	—	—	—	1.1	HSF	—	—	—
1970		30	4:	52:	50.30	SIZ	—	12	37.295	116.465	0.2	A	70	3.40	0.30	HSF	—	—	—	—	—	—	—	1.8	HSF	—	—	—
1970		30	5:	4:	37.30	SIZ	—	19	37.300	116.537	0.1	A	77	1.20	0.20	HSF	—	—	—	—	—	—	—	2.1	HSF	—	—	—
1970		30	5:	14:	29.20	SIZ	—	18	37.302	116.563	0.5	B	90	3.70	0.60	HSF	—	—	—	—	—	—	—	1.0	HSF	—	—	—
1970		30	5:	37:	40.10	SIZ	—	13	37.300	116.560	0.2	B	122	2.50	0.40	HSF	—	—	—	—	—	—	—	1.2	HSF	—	—	—
1970		30	5:	52:	5.10	SIZ	—	20	37.308	116.543	0.1	A	54	3.60	0.20	HSF	—	—	—	—	—	—	—	1.5	HSF	—	—	—
1970		30	8:	1:	10.50	SIZ	—	19	37.310	116.548	0.2	A	60	3.90	0.20	HSF	—	—	—	—	—	—	—	1.3	HSF	—	—	—
1970		30	8:	10:	26.60	SIZ	—	8	37.203	116.568	1.3	C	220	2.60	1.60	HSF	—	—	—	—	—	—	—	0.7	HSF	—	—	—
1970		30	8:	33:	28.60	SIZ	—	11	37.302	116.557	0.4	A	80	3.40	1.00	HSF	—	—	—	—	—	—	—	0.6	HSF	—	—	—
1970		30	9:	39:	5.90	SIZ	—	8	37.255	116.463	1.1	B	125	3.80	1.20	HSF	—	—	—	—	—	—	—	0.4	HSF	—	—	—
1970		30	9:	43:	1.40	SIZ	—	18	37.307	116.553	0.2	A	72	4.30	0.20	HSF	—	—	—	—	—	—	—	1.3	HSF	—	—	—
1970		30	10:	20:	49.80	SIZ	—	13	37.198	116.585	0.4	B	97	3.20	0.60	HSF	—	—	—	—	—	—	—	0.4	HSF	—	—	—
1970		30	10:	52:	30.60	SIZ	—	20	37.288	116.573	0.2	A	73	2.00	0.20	HSF	—	—	—	—	—	—	—	1.8	HSF	—	—	—
1970		30	11:	4:	39.80	SIZ	—	16	37.312	116.470	0.1	A	73	2.70	0.20	HSF	—	—	—	—	—	—	—	0.9	HSF	—	—	—
1970		30	11:	28:	20.30	SIZ	—	14	37.207	116.482	0.3	A	82	3.00	0.50	HSF	—	—	—	—	—	—	—	0.8	HSF	—	—	—
1970		30	11:	31:	12.80	SIZ	—	21	37.285	116.545	0.1	A	57	3.00	0.20	HSF	—	—	—	—	—	—	—	2.0	HSF	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER						INTENSITY			MAGNITUDE														
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1970	MAR	30	13:23:35.90			SIZ	—	19	37.310	116.548	0.2	A	61	3.80	0.20	HSF	—	—	—	—	—	—	0.8	HSF	—	—	—	—
1970	MAR	30	14:48:58.60			SIZ	—	15	37.310	116.545	0.2	A	102	4.00	0.30	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	—
1970	MAR	30	17:10:55.80			SIZ	—	17	37.312	116.470	0.2	A	73	2.50	0.30	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—
1970	MAR	30	18:58:45.40			SIZ	—	20	37.310	116.548	0.2	A	60	3.90	0.20	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1970	MAR	30	19:0:19.80			SIZ	—	11	37.308	116.552	0.3	A	98	4.00	0.40	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970	MAR	30	20:23:41.30			SIZ	—	16	37.290	116.552	0.2	A	85	3.50	0.30	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970	MAR	30	20:53:9.30			SIZ	—	16	37.292	116.547	0.2	A	110	3.50	0.20	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	—
1970	MAR	30	23:56:24.50			SIZ	—	16	37.243	116.602	0.3	A	74	1.70	0.60	HSF	—	—	—	—	—	—	2.2	HSF	—	—	—	—
1970	MAR	31	0:2:21.10			SIZ	—	15	37.303	116.527	0.2	A	72	1.90	0.30	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970	MAR	31	0:25:32.40			SIZ	—	12	37.283	116.540	0.4	A	106	2.70	0.70	HSF	—	—	—	—	—	—	1.0	HSF	—	—	—	—
1970	MAR	31	0:55:22.30			SIZ	—	16	37.288	116.562	0.2	A	85	2.80	0.40	HSF	—	—	—	—	—	—	1.5	HSF	—	—	—	—
1970	MAR	31	3:18:4.33			—	—	8	38.486	115.870	—	—	—	0.60	—	SHJ	—	—	—	—	—	—	1.0	SHJ	—	—	—	—
1970	MAR	31	4:16:6.80			SIZ	—	20	37.293	116.463	0.2	A	70	3.00	0.30	HSF	—	—	—	—	—	—	2.3	HSF	—	—	—	—
1970	MAR	31	7:30:0.40			SIZ	—	17	37.298	116.548	0.2	A	72	2.10	0.20	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1970	MAR	31	7:31:41.40			SIZ	—	16	37.302	116.552	0.3	A	73	4.20	0.30	HSF	—	—	—	—	—	—	1.1	HSF	—	—	—	—
1970	MAR	31	7:38:10.20			SIZ	—	8	37.293	116.552	0.2	A	80	3.40	0.30	HSF	—	—	—	—	—	—	2.6	HSF	—	—	—	—
1970	MAR	31	8:19:58.40			SIZ	—	17	37.297	116.558	0.2	A	77	1.90	0.20	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—
1970	MAR	31	10:42:44.10			SIZ	—	7	37.302	116.557	0.6	B	133	1.90	0.60	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—
1970	MAR	31	10:56:37.50			SIZ	—	7	37.208	116.485	0.8	B	119	4.30	1.30	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	—
1970	MAR	31	12:26:10.00			SIZ	—	17	37.303	116.547	0.3	A	65	3.00	0.60	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	—
1970	MAR	31	13:37:23.30			SIZ	—	16	37.295	116.562	0.2	A	79	3.40	0.20	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—
1970	MAR	31	13:45:27.50			SIZ	—	11	37.293	116.563	0.3	A	81	3.60	0.30	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—
1970	MAR	31	16:22:36.90			SIZ	—	7	37.335	116.478	0.3	B	217	1.40	0.50	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970	MAR	31	17:57:38.20			SIZ	—	16	37.283	116.548	0.3	A	107	2.90	0.30	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1970	MAR	31	20:20:31.90			SIZ	—	13	37.293	116.558	0.3	A	74	2.50	0.60	HSF	—	—	—	—	—	—	1.0	HSF	—	—	—	—
1970	MAR	31	20:29:18.90			SIZ	—	13	37.282	116.570	0.2	A	112	1.80	0.20	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—
1970	MAR	31	20:48:10.40			SIZ	—	10	37.283	116.548	0.3	B	121	3.60	0.30	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	—
1970	MAR	31	21:35:35.50			SIZ	—	12	37.298	116.558	0.4	A	80	1.70	0.50	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—
1970	MAR	31	23:50:35.20			SIZ	—	17	37.290	116.548	0.2	A	89	3.80	0.20	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—
1970	MAR	31	23:57:21.20			SIZ	—	15	37.307	116.542	0.2	A	63	2.40	0.40	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1970	APR	1	3:36:51.10			SIZ	—	18	37.303	116.552	0.3	A	73	3.80	0.30	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970	APR	1	6:31:9.10			SIZ	—	16	37.292	116.535	0.2	A	71	1.60	0.30	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1970	APR	1	7:32:8.20			SIZ	—	7	37.307	116.540	0.1	B	114	4.30	0.20	HSF	—	—	—	—	—	—	0.8	HSF	—	—	—	—
1970	APR	1	10:30:41.60			SIZ	—	8	37.302	116.570	0.4	A	91	2.00	0.60	HSF	—	—	—	—	—	—	0.8	HSF	—	—	—	—
1970	APR	1	11:9:11.50			SIZ	—	7	37.293	116.552	0.1	B	133	3.50	0.10	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—
1970	APR	1	14:18:54.60			SIZ	—	19	37.298	116.545	0.1	A	74	3.40	0.20	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1970	APR	1	14:40:20.30			SIZ	—	18	37.282	116.552	0.2	A	58	2.90	0.40	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1970	APR	1	16:8:37.30			SIZ	—	9	37.298	116.545	0.4	A	95	3.10	1.10	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970	APR	1	17:59:10.80			SIZ	—	16	37.215	116.505	0.4	A	83	3.60	0.60	HSF	—	—	—	—	—	—	1.0	HSF	—	—	—	—
1970	APR	1	19:10:12.80			SIZ	—	20	37.303	116.553	0.2	A	74	4.20	0.20	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1970	APR	1	19:42:51.50			SIZ	—	19	37.293	116.547	0.2	A	61	3.60	0.20	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1970	APR	2	0:22:50.10			SIZ	—	9	37.287	116.552	0.3	B	126	3.70	0.30	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970	APR	2	1:55:48.40			SIZ	—	14	37.277	116.583	0.3	B	123	2.80	0.40	HSF	—	—	—	—	—	—	0.8	HSF	—	—	—	—
1970	APR	2	1:56:19.40			SIZ	—	18	37.307	116.545	0.2	A	58	3.70	0.30	HSF	—	—	—	—	—	—	1.1	HSF	—	—	—	—
1970	APR	2	8:58:40.60			SIZ	—	11	37.303	116.543	0.2	A	101	3.10	0.40	HSF	—	—	—	—	—	—	0.2	HSF	—	—	—	—
1970	APR	2	9:31:2.30			SIZ	—	15	37.302	116.555	0.2	A	78	4.50	0.20	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1970	APR	2	9:34:48.60			SIZ	—	17	37.303	116.553	0.2	A	74	4.30	0.20	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970	APR	2	10:55:44.60			SIZ	—	14	37.305	116.548	0.3	A	82	3.80	0.30	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—

SG3 HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER							INTENSITY		MAGNITUDE													
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1970	APR	2	13:23	24.70	SIZ	—	14	37.328	116.405	0.3	B	92	4.00	0.30	HSF	—	—	—	—	—	—	1.1	HSF	—	—	—	—
1970		2	14:11	46.60	SIZ	—	17	37.277	116.585	0.3	A	106	1.90	0.30	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	—
1970		2	14:54	13.40	SIZ	—	8	37.298	116.562	0.2	A	108	3.70	0.40	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—
1970		2	15: 6	37.70	SIZ	—	16	37.297	116.548	0.2	A	75	3.50	0.30	HSF	—	—	—	—	—	—	0.8	HSF	—	—	—	—
1970		2	15:53	1.10	SIZ	—	9	37.315	116.467	0.2	B	125	2.80	0.50	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—
1970		2	20:20	32.10	SIZ	—	17	37.312	116.548	0.2	A	60	4.50	0.20	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	—
1970		2	20:22	49.90	SIZ	—	10	37.303	116.550	0.3	B	179	4.00	0.30	HSF	—	—	—	—	—	—	0.5	HSF	—	—	—	—
1970		2	22:13	37.40	SIZ	—	12	37.272	116.600	0.3	A	96	1.80	0.30	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970		3	1:17	10.40	SIZ	—	12	37.288	116.552	0.2	A	106	3.50	0.30	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970		3	2: 9	13.10	SIZ	—	12	37.298	116.560	0.4	A	84	3.00	0.70	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970		3	2: 9	38.10	SIZ	—	10	37.293	116.558	0.3	A	116	3.00	0.60	HSF	—	—	—	—	—	—	1.0	HSF	—	—	—	—
1970		3	3:35	9.40	SIZ	—	12	37.308	116.545	0.2	A	62	3.50	0.30	HSF	—	—	—	—	—	—	1.1	HSF	—	—	—	—
1970		3	3:55	44.90	SIZ	—	6	37.297	116.558	0.4	B	117	1.60	1.10	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—
1970		3	4:56	56.10	SIZ	—	5	37.278	116.553	0.2	C	150	1.50	—	HSF	—	—	—	—	—	—	1.1	HSF	—	—	—	—
1970		3	6: 2	36.40	SIZ	—	15	37.297	116.545	0.2	A	77	3.50	0.30	HSF	—	—	—	—	—	—	0.70	HSF	—	—	—	—
1970		3	6:54	20.90	SIZ	—	12	37.298	116.552	0.4	A	70	3.20	0.70	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	—
1970		3	8:16	5.30	SIZ	—	7	37.315	116.542	0.3	B	99	2.40	0.40	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—
1970		3	9:16	54.30	SIZ	—	6	37.298	116.528	0.3	C	163	2.40*	—	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970		3	9:49	12.80	SIZ	—	5	37.303	116.565	—	D	96	1.80	—	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970		3	10:30	44.90	SIZ	—	13	37.290	116.557	0.2	A	94	2.20	0.30	HSF	—	—	—	—	—	—	1.0	HSF	—	—	—	—
1970		3	11:42	8.30	SIZ	—	9	37.310	116.538	0.2	A	84	3.40	0.50	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—
1970		3	11:53	37.00	SIZ	—	7	37.305	116.527	0.2	B	87	2.30	0.20	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970		3	15:37	32.60	SIZ	—	9	37.310	116.540	0.4	A	98	2.20	0.50	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1970		3	15:43	14.40	SIZ	—	16	37.310	116.550	0.3	A	93	3.90	0.30	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1970		3	16:33	30.90	SIZ	—	12	37.298	116.558	0.2	A	84	3.80	0.30	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1970		3	16:42	53.80	SIZ	—	14	37.300	116.562	0.2	A	86	3.50	0.30	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1970		3	17:56	43.40	SIZ	—	7	37.285	116.550	0.3	B	137	2.00	0.30	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970		3	20: 1	16.10	SIZ	—	10	37.297	116.547	0.3	A	89	3.90	0.40	HSF	—	—	—	—	—	—	0.5	HSF	—	—	—	—
1970		3	21:51	40.80	SIZ	—	9	37.275	116.512	0.3	A	112	3.60	0.40	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—
1970		3	22:35	0.80	SIZ	—	9	37.297	116.553	0.3	B	168	3.00	0.40	HSF	—	—	—	—	—	—	1.5	HSF	—	—	—	—
1970		4	1:59	21.00	SIZ	—	18	37.297	116.560	0.2	A	79	3.20	0.30	HSF	—	—	—	—	—	—	1.5	HSF	—	—	—	—
1970		4	2:24	6.50	SIZ	—	14	37.198	116.597	0.5	C	212	4.80*	—	HSF	—	—	—	—	—	—	0.8	HSF	—	—	—	—
1970		4	3:15	7.90	SIZ	—	15	37.202	116.587	0.4	B	111	3.90	0.50	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—
1970		4	3:34	8.10	SIZ	—	13	37.283	116.547	0.2	A	107	2.70	0.50	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970		4	5:38	41.30	SIZ	—	12	37.193	116.590	1.1	C	243	2.80	1.00	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970		4	6:34	0.20	SIZ	—	16	37.200	116.587	0.3	B	111	3.40	0.40	HSF	—	—	—	—	—	—	1.1	HSF	—	—	—	—
1970		4	6:36	16.20	SIZ	—	13	37.202	116.590	0.3	B	115	4.10	0.40	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	—
1970		4	7:39	21.00	SIZ	—	14	37.210	116.577	0.3	B	108	2.20	1.70	HSF	—	—	—	—	—	—	0.5	HSF	—	—	—	—
1970		4	9: 6	16.00	SIZ	—	14	37.197	116.580	0.3	C	104	0.60*	—	HSF	—	—	—	—	—	—	0.5	HSF	—	—	—	—
1970		4	9:54	19.00	SIZ	—	9	37.190	116.398	1.0	C	233	5.10	0.60	HSF	—	—	—	—	—	—	0.2	HSF	—	—	—	—
1970		4	10:14	53.20	SIZ	—	13	37.203	116.588	0.5	B	123	4.50	0.60	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970		4	12:20	20.60	SIZ	—	8	37.218	116.578	0.8	C	167	5.00*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—
1970		4	14:37	35.70	SIZ	—	14	37.293	116.553	0.2	A	84	4.10	0.20	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	—
1970		4	14:56	25.40	SIZ	—	10	37.285	116.555	0.2	A	110	1.90	0.20	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970		4	18:30	6.90	SIZ	—	10	37.295	116.550	0.6	A	97	3.60	1.10	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970		4	18:59	25.30	SIZ	—	8	37.298	116.548	0.2	A	91	3.20	0.60	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970		4	20:51	0.70	SIZ	—	7	37.293	116.552	0.6	B	107	4.40	0.80	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—
1970		4	21: 0	7.20	SIZ	—	11	37.300	116.565	0.2	B	125	3.20	0.30	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER							INTENSITY			MAGNITUDE								
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	MB	REF	OTH	REF
1970 APR	4	21:27:15.10			SIZ	—	6	37.292	116.548	0.6	B	127	4.30	0.80	HSF	—	—	—	0.1	HSF	—	—	—
1970	4	23:25:20.20			SIZ	—	10	37.300	116.552	0.5	A	90	3.70	1.00	HSF	—	—	—	0.8	HSF	—	—	—
1970	5	0:56:58.60			SIZ	—	12	37.247	116.582	0.3	A	116	1.70	0.60	HSF	—	—	—	1.9	HSF	—	—	—
1970	5	2:40:24.50			SIZ	—	16	37.300	116.552	0.2	A	84	2.90	0.30	HSF	—	—	—	1.4	HSF	—	—	—
1970	5	4:22:28.90			SIZ	—	12	37.308	116.555	0.4	A	97	4.50	0.40	HSF	—	—	—	0.3	HSF	—	—	—
1970	5	4:30:22.10			SIZ	—	8	37.292	116.557	0.3	B	157	4.70	0.20	HSF	—	—	—	0.1	HSF	—	—	—
1970	5	12:18:14.70			SIZ	—	12	37.305	116.553	0.4	A	87	3.70	0.50	HSF	—	—	—	0.4	HSF	—	—	—
1970	5	12:25:51.90			SIZ	—	16	37.285	116.545	0.2	A	112	2.50	0.30	HSF	—	—	—	1.5	HSF	—	—	—
1970	5	13:54:5.80			SIZ	—	13	37.267	116.585	0.2	A	88	2.40	0.40	HSF	—	—	—	1.3	HSF	—	—	—
1970	5	15:51:42.20			SIZ	—	8	37.200	116.485	1.4	C	229	3.60	1.10	HSF	—	—	—	0.5	HSF	—	—	—
1970	5	18:24:37.00			SIZ	—	7	37.293	116.565	0.6	B	114	1.80	0.60	HSF	—	—	—	0.7	HSF	—	—	—
1970	5	22:12:14.60			SIZ	—	13	37.293	116.565	0.4	B	79	1.50	0.70	HSF	—	—	—	1.0	HSF	—	—	—
1970	5	23:18:14.90			SIZ	—	8	37.313	116.548	0.6	A	103	3.40	1.30	HSF	—	—	—	—	—	—	—	—
1970	6	0:4:48.90			SIZ	—	13	37.292	116.548	0.3	A	118	3.90	0.40	HSF	—	—	—	1.2	HSF	—	—	—
1970	6	2:37:13.40			SIZ	—	11	37.313	116.537	0.1	A	96	2.90	0.30	HSF	—	—	—	1.4	HSF	—	—	—
1970	6	6:34:20.50			SIZ	—	11	37.308	116.550	0.4	A	105	3.90	0.50	HSF	—	—	—	0.9	HSF	—	—	—
1970	6	14:8:40.20			SIZ	—	15	37.310	116.542	0.1	A	84	3.60	0.20	HSF	—	—	—	2.4	HSF	—	—	—
1970	6	15:13:39.30			SIZ	—	9	37.298	116.552	0.5	A	116	3.60	0.60	HSF	—	—	—	0.8	HSF	—	—	—
1970	6	15:34:40.10			SIZ	—	7	37.217	116.503	0.6	B	156	4.60	0.50	HSF	—	—	—	0.1	HSF	—	—	—
1970	6	15:41:16.60			SIZ	—	7	37.295	116.552	0.7	B	126	4.70	0.60	HSF	—	—	—	—	—	—	—	—
1970	6	17:21:30.50			SIZ	—	9	37.202	116.500	0.5	B	117	4.50	0.80	HSF	—	—	—	1.5	HSF	—	—	—
1970	6	18:54:59.10			SIZ	—	7	37.298	116.543	1.0	B	84	3.80	1.70	HSF	—	—	—	0.8	HSF	—	—	—
1970	6	21:34:21.60			SIZ	—	7	37.305	116.555	0.9	B	111	4.70	0.90	HSF	—	—	—	0.2	HSF	—	—	—
1970	6	23:15:42.40			SIZ	—	5	37.310	116.563	—	D	108	0.10	—	HSF	—	—	—	0.3	HSF	—	—	—
1970	6	23:44:48.50			SIZ	—	7	37.282	116.545	0.7	B	164	2.10	0.70	HSF	—	—	—	0.5	HSF	—	—	—
1970	7	0:17:14.70			SIZ	—	9	37.213	116.502	0.3	B	185	4.10	0.30	HSF	—	—	—	0.4	HSF	—	—	—
1970	7	10:59:5.10			SIZ	—	8	37.312	116.553	0.4	A	103	3.60	0.60	HSF	—	—	—	0.9	HSF	—	—	—
1970	7	12:4:58.70			SIZ	—	11	37.310	116.543	0.4	A	101	3.20	0.70	HSF	—	—	—	0.9	HSF	—	—	—
1970	7	12:48:12.20			SIZ	—	14	37.298	116.550	0.3	A	82	4.50	0.30	HSF	—	—	—	1.3	HSF	—	—	—
1970	7	15:58:0.80			SIZ	—	8	37.313	116.548	0.4	A	104	2.90	0.80	HSF	—	—	—	0.7	HSF	—	—	—
1970	7	17:47:16.40			SIZ	—	16	37.215	116.507	0.3	A	120	5.00	0.30	HSF	—	—	—	2.1	HSF	—	—	—
1970	7	17:59:25.70			SIZ	—	12	37.212	116.507	0.5	B	119	4.70	0.50	HSF	—	—	—	0.9	HSF	—	—	—
1970	7	18:16:33.10			SIZ	—	12	37.313	116.547	0.3	A	100	3.90	0.30	HSF	—	—	—	1.4	HSF	—	—	—
1970	7	18:57:0.10			SIZ	—	13	37.210	116.512	0.3	A	120	4.90	0.30	HSF	—	—	—	0.8	HSF	—	—	—
1970	7	19:10:43.60			SIZ	—	9	37.218	116.575	0.5	B	147	3.40	0.90	HSF	—	—	—	0.3	HSF	—	—	—
1970	7	19:36:29.00			SIZ	—	6	37.295	116.548	0.8	B	148	4.40	0.70	HSF	—	—	—	0.4	HSF	—	—	—
1970	7	20:39:52.00			SIZ	—	8	37.312	116.545	0.4	A	104	3.40	0.70	HSF	—	—	—	0.9	HSF	—	—	—
1970	7	23:51:6.30			SIZ	—	5	37.302	116.545	—	D	140	4.40	—	HSF	—	—	—	1.5	HSF	—	—	—
1970	8	1:30:32.00			SIZ	—	16	37.307	116.550	0.3	A	106	4.00	0.30	HSF	—	—	—	—	—	—	—	—
1970	8	1:40:25.80			SIZ	—	5	37.167	116.460	1.9	D	308	1.50*	—	HSF	—	—	—	0.1	HSF	—	—	—
1970	8	1:58:7.80			SIZ	—	6	37.295	116.560	0.5	B	129	5.00	0.40	HSF	—	—	—	—	—	—	—	—
1970	8	2:45:6.80			SIZ	—	5	37.302	116.545	—	D	195	3.50	—	HSF	—	—	—	—	—	—	—	—
1970	8	2:48:54.20			SIZ	—	5	37.275	116.552	—	D	206	4.80	—	HSF	—	—	—	0.1	HSF	—	—	—
1970	8	4:11:5.50			SIZ	—	5	37.240	116.567	3.6	D	258	3.00*	—	HSF	—	—	—	0.1	HSF	—	—	—
1970	8	4:42:25.30			SIZ	—	10	37.308	116.542	0.5	B	128	2.90	0.80	HSF	—	—	—	1.0	HSF	—	—	—
1970	8	4:43:9.70			SIZ	—	15	37.308	116.542	0.2	B	128	3.70	0.20	HSF	—	—	—	2.3	HSF	—	—	—
1970	8	7:46:17.50			SIZ	—	8	37.310	116.548	0.5	B	129	1.80	0.80	HSF	—	—	—	0.8	HSF	—	—	—
1970	8	8:42:7.90			SIZ	—	10	37.302	116.550	0.2	B	135	1.40	0.50	HSF	—	—	—	1.7	HSF	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE												
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF
1970	APR	8	9:38:	5.10			9	37.198	116.588	0.5	B	179	3.10	0.80	HSF	—	—	—	0.7	HSF	—	—	—
1970		8	11: 5:	31.60	SIZ	—	5	37.422	116.577	4.1	D	261	3.00*	—	HSF	—	—	—	0.1	HSF	—	—	—
1970		8	13:58:	17.50	SIZ	—	9	37.300	116.553	0.4	B	124	4.50	0.30	HSF	—	—	—	0.9	HSF	—	—	—
1970		8	16:18:	12.30	SIZ	—	10	37.313	116.545	0.4	B	157	4.00	0.40	HSF	—	—	—	1.1	HSF	—	—	—
1970		8	16:46:	18.90	SIZ	—	8	37.297	116.560	0.4	B	176	5.00	0.30	HSF	—	—	—	—	—	—	—	—
1970		8	17:53:	26.40	SIZ	—	4	37.220	116.595	—	D	139	0.60*	—	HSF	—	—	—	0.5	HSF	—	—	—
1970		9	1:46:	10.80	SIZ	—	11	37.310	116.547	0.3	B	144	3.70	0.40	HSF	—	—	—	0.5	HSF	—	—	—
1970		9	5:12:	7.60	SIZ	—	5	37.248	116.560	—	D	237	3.90	—	HSF	—	—	—	0.2	HSF	—	—	—
1970		9	8:20:	49.10	SIZ	—	3	37.454	117.978	—	—	—	3.00*	—	PM	—	—	—	—	—	—	—	—
1970		9	16:20:	55.30	SIZ	—	7	37.297	116.560	0.7	C	263	1.80	0.70	HSF	—	—	—	0.1	HSF	—	—	—
1970		9	23: 7:	41.00	SIZ	—	9	37.298	116.560	0.3	B	140	1.80	0.30	HSF	—	—	—	1.6	HSF	—	—	—
1970		10	1:29:	59.90	SIZ	—	6	37.340	116.538	0.8	B	168	2.50	1.60	HSF	—	—	—	0.1	HSF	—	—	—
1970		10	1:49:	19.10		—	3	37.453	117.978	—	—	—	3.00*	—	PM	—	—	—	—	—	—	—	—
1970		10	4:14:	33.50	SIZ	—	12	37.107	116.317	0.7	B	130	3.10	0.90	HSF	—	—	—	1.9	HSF	—	—	—
1970		10	5:15:	49.50	SIZ	—	6	37.105	116.305	1.1	C	177	4.40	1.20	HSF	—	—	—	0.3	HSF	—	—	—
1970		10	6:12:	56.20	SIZ	—	4	37.250	116.548	—	D	245	5.00	—	HSF	—	—	—	0.1	HSF	—	—	—
1970		10	6:21:	26.30	SIZ	—	6	37.295	116.548	0.5	B	132	4.50	0.50	HSF	—	—	—	0.1	HSF	—	—	—
1970		10	10: 8:	14.80	SIZ	—	7	37.273	116.383	0.7	C	160	1.20	2.20	HSF	—	—	—	0.9	HSF	—	—	—
1970		10	11:16:	13.00	SIZ	—	5	37.262	116.510	—	D	173	5.00	—	HSF	—	—	—	0.2	HSF	—	—	—
1970		10	14: 3:	2.30	SIZ	—	5	37.255	116.607	—	D	126	0.20	—	HSF	—	—	—	1.4	HSF	—	—	—
1970		10	22: 3:	49.10		—	7	37.193	116.592	0.6	C	181	3.00*	—	HSF	—	—	—	1.2	HSF	—	—	—
1970		10	23:26:	29.70		—	6	37.192	116.583	0.9	D	231	0.60*	—	HSF	—	—	—	0.9	HSF	—	—	—
1970		10	23:48:	16.90		—	7	37.193	116.585	1.0	D	232	3.00*	—	HSF	—	—	—	1.2	HSF	—	—	—
1970		11	1:10:	41.80	SIZ	—	7	37.302	116.552	1.3	C	194	3.70	1.40	HSF	—	—	—	0.8	HSF	—	—	—
1970		11	2:59:	48.80	SIZ	—	9	37.307	116.553	0.3	B	146	4.60	0.30	HSF	—	—	—	1.1	HSF	—	—	—
1970		11	3:11:	47.00	SIZ	—	13	37.205	116.568	0.4	B	120	3.50	0.60	HSF	—	—	—	1.8	HSF	—	—	—
1970		11	4:14:	31.90	SIZ	—	14	37.277	116.555	0.3	B	133	2.80	0.50	HSF	—	—	—	2.1	HSF	—	—	—
1970		11	4:18:	10.10	SIZ	—	5	37.270	116.560	—	D	162	1.50	—	HSF	—	—	—	0.1	HSF	—	—	—
1970		11	4:23:	11.90	SIZ	—	8	37.308	116.570	1.2	B	132	4.50	1.80	HSF	—	—	—	2.3	HSF	—	—	—
1970		11	4:57:	45.50	SIZ	—	15	37.290	116.557	0.2	A	112	1.70	0.30	HSF	—	—	—	2.3	HSF	—	—	—
1970		11	5: 8: 6:	30	SIZ	—	3	37.242	116.552	—	D	154	3.00*	—	HSF	—	—	—	0.1	HSF	—	—	—
1970		11	5:10:	39.40	SIZ	—	6	37.213	116.567	2.3	C	200	4.70	2.00	HSF	—	—	—	0.9	HSF	—	—	—
1970		11	5:31:	48.90	SIZ	—	10	37.208	116.570	0.6	B	171	3.90	0.90	HSF	—	—	—	1.3	HSF	—	—	—
1970		11	5:34:	16.10		—	9	37.198	116.587	0.6	B	179	3.80	0.80	HSF	—	—	—	1.1	HSF	—	—	—
1970		11	7:43:	21.20	SIZ	—	4	37.283	116.547	—	D	153	4.50	—	HSF	—	—	—	—	—	—	—	—
1970		11	10:39:	30.00		—	12	37.198	116.573	0.5	B	177	2.40	1.90	HSF	—	—	—	2.1	HSF	—	—	—
1970		11	10:41:	37.00	SIZ	—	7	37.212	116.568	0.9	B	169	3.60	1.00	HSF	—	—	—	1.6	HSF	—	—	—
1970		11	11:21:	50.10	SIZ	—	12	37.207	116.573	0.7	C	173	2.80	1.10	HSF	—	—	—	2.1	HSF	—	—	—
1970		11	11:32:	24.10	SIZ	—	11	37.207	116.570	0.4	B	119	3.20	0.60	HSF	—	—	—	2.0	HSF	—	—	—
1970		11	11:34:	59.50	SIZ	—	5	37.277	116.565	—	D	151	4.60	—	HSF	—	—	—	0.2	HSF	—	—	—
1970		12	0:39:	30.80	SIZ	—	9	37.213	116.582	0.5	B	112	4.30	0.70	HSF	—	—	—	2.1	HSF	—	—	—
1970		12	1:15:	52.70	SIZ	—	6	37.293	116.560	0.3	B	179	2.50	0.50	HSF	—	—	—	1.8	HSF	—	—	—
1970		12	2:44:	30.20	SIZ	—	6	37.200	116.595	2.8	D	234	3.00*	—	HSF	—	—	—	1.0	HSF	—	—	—
1970		12	4:36:	51.40	SIZ	—	7	37.297	116.575	0.3	B	137	2.70	0.50	HSF	—	—	—	1.1	HSF	—	—	—
1970		12	6:41:	22.80	SIZ	—	12	37.273	116.563	0.3	A	97	1.50	0.90	HSF	—	—	—	2.9	HSF	3.2	PDX	3.2 KKG
1970		12	6:59:	46.70	SIZ	—	9	37.275	116.563	0.5	A	103	2.60	1.10	HSF	—	—	—	2.0	HSF	—	—	—
1970		12	8:35:	17.10		—	5	37.195	116.582	0.1	D	230	0.60*	—	HSF	—	—	—	1.1	HSF	—	—	—
1970		12	13:46:	48.00	SIZ	—	10	37.273	116.565	0.4	A	101	2.50	0.80	HSF	—	—	—	1.9	HSF	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER				INTENSITY		MAGNITUDE										
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	OTH
1970 APR 12	23:24:57.90			SIZ	—	12	37.278	116.567	0.3	A	103	2.50	1.60	HSF	—	—	—	2.2	HSF	—
1970 13	0:55:15.10			SIZ	—	11	37.310	116.553	0.3	B	147	4.30	0.50	HSF	—	—	—	1.8	HSF	—
1970 13	2:6:36.70			SIZ	—	7	37.290	116.550	0.6	B	177	3.80	0.50	HSF	—	—	—	0.2	HSF	—
1970 13	2:31:42.00			SIZ	—	10	37.285	116.542	0.4	A	118	2.80	0.60	HSF	—	—	—	1.5	HSF	—
1970 13	5:9:18.30			SIZ	—	4	37.193	116.585	—	D	232	0.50*	—	HSF	—	—	—	0.6	HSF	—
1970 13	7:56:38.00			SIZ	—	7	37.212	116.577	0.5	B	113	4.70	0.70	HSF	—	—	—	1.3	HSF	—
1970 13	9:19:33.20			SIZ	—	6	37.300	116.557	0.7	B	191	4.80	0.50	HSF	—	—	—	0.1	HSF	—
1970 13	22:0:11.10			SIZ	—	7	37.292	116.548	0.8	B	177	3.70	0.80	HSF	—	—	—	1.4	HSF	—
1970 14	1:35:3.30			SIZ	—	9	37.290	116.548	0.4	A	119	3.60	0.50	HSF	—	—	—	1.4	HSF	—
1970 14	5:30:13.60			SIZ	—	5	37.270	116.568	—	D	196	0.00	—	HSF	—	—	—	0.3	HSF	—
1970 14	5:32:7.20			SIZ	—	5	37.265	116.560	—	D	197	0.00	—	HSF	—	—	—	0.1	HSF	—
1970 14	12:22:14.20			SIZ	—	9	37.298	116.553	0.4	B	138	3.10	0.60	HSF	—	—	—	1.5	HSF	—
1970 14	15:39:42.40			SIZ	—	7	37.213	116.512	0.6	B	189	4.40	0.50	HSF	—	—	—	0.3	HSF	—
1970 14	16:3:21.10			SIZ	—	5	37.290	116.550	—	D	169	2.90	—	HSF	—	—	—	1.4	HSF	—
1970 14	16:48:47.50			SIZ	—	5	37.305	116.560	—	D	142	4.00	—	HSF	—	—	—	0.6	HSF	—
1970 14	22:32:22.80			SIZ	—	6	37.310	116.540	0.8	B	209	3.80	0.40	HSF	—	—	—	1.7	HSF	—
1970 15	4:29:53.90			SIZ	—	5	37.273	116.557	—	D	183	0.50	—	HSF	—	—	—	0.1	HSF	—
1970 15	7:14:52.20			SIZ	—	9	37.310	116.547	0.6	B	153	3.80	0.60	HSF	—	—	—	1.4	HSF	—
1970 15	11:27:33.90			SIZ	—	9	37.298	116.555	0.7	B	180	4.30	0.50	HSF	—	—	—	1.9	HSF	—
1970 15	12:16:11.60			SIZ	—	8	37.300	116.555	0.4	B	140	4.10	0.30	HSF	—	—	—	1.7	HSF	—
1970 15	17:14:29.40			SIZ	—	9	37.310	116.548	0.4	B	154	4.40	0.30	HSF	—	—	—	1.4	HSF	—
1970 16	0:41:9.20			SIZ	—	10	37.295	116.557	0.3	B	142	4.20	0.30	HSF	—	—	—	1.4	HSF	—
1970 16	4:55:34.50			SIZ	—	5	37.307	116.515	—	D	136	1.90	—	HSF	—	—	—	0.2	HSF	—
1970 16	5:55:1.30			SIZ	—	6	37.308	116.550	0.4	B	152	3.50	0.70	HSF	—	—	—	0.7	HSF	—
1970 16	12:15:25.70			SIZ	—	8	37.207	116.490	0.4	C	184	3.00*	—	HSF	—	—	—	1.0	HSF	—
1970 16	15:51:9.40			SIZ	—	5	37.283	116.558	—	D	170	5.10	—	HSF	—	—	—	0.1	HSF	—
1970 17	10:53:23.40			SIZ	—	3	37.148	116.518	—	D	206	3.00*	—	HSF	—	—	—	0.1	HSF	—
1970 17	22:7:44.00			SIZ	—	7	37.295	116.558	0.8	B	175	4.20	0.60	HSF	—	—	—	2.2	HSF	—
1970 18	4:25:51.40			SIZ	—	6	37.293	116.557	0.4	B	125	1.40	1.20	HSF	—	—	—	1.3	HSF	—
1970 18	5:48:13.20			SIZ	—	6	37.315	116.547	1.7	C	216	3.90	0.80	HSF	—	—	—	1.2	HSF	—
1970 18	11:11:30.90			SIZ	—	5	37.298	116.573	0.4	C	141	2.50*	—	HSF	—	—	—	1.1	HSF	—
1970 18	15:26:21.10			SIZ	—	9	37.310	116.543	0.3	B	143	3.90	0.30	HSF	—	—	—	2.0	HSF	—
1970 19	9:9:48.80			SIZ	—	5	37.298	116.550	—	D	137	4.00	—	HSF	—	—	—	1.0	HSF	—
1970 19	10:29:31.70			SIZ	—	6	37.302	116.557	0.8	B	143	3.40	1.10	HSF	—	—	—	1.8	HSF	—
1970 19	13:39:59.98			SIZ	—	3	37.285	117.956	—	D	—	3.00*	—	PHM	—	—	—	0.6	PHM	—
1970 19	16:25:29.10			SIZ	—	7	37.302	116.545	0.4	B	135	4.00	0.40	HSF	—	—	—	1.2	HSF	—
1970 20	11:5:18.26			SIZ	—	—	36.505	117.993	—	B	—	0.80	—	PAS	—	0.8 BRP	2.2 PAS	—	—	—
1970 20	19:21:47.20			SIZ	—	4	37.300	116.545	—	D	156	3.00*	—	HSF	—	—	—	0.1	HSF	—
1970 20	19:55:14.30			SIZ	—	5	37.252	116.563	1.4	D	218	3.00*	—	HSF	—	—	—	0.4	HSF	—
1970 20	21:16:48.90			SIZ	—	21	37.295	116.573	0.7	B	62	3.40	1.20	HSF	—	—	—	2.8	HSF	—
1970 21	1:15:17.10			SIZ	—	5	37.193	116.592	1.8	D	235	3.00*	—	HSF	—	—	—	0.3	HSF	—
1970 21	5:22:2.50			SIZ	—	4	37.313	116.568	—	D	166	3.00*	—	HSF	—	—	—	0.9	HSF	—
1970 21	6:49:28.10			SIZ	—	6	37.298	116.558	1.1	B	136	3.40	1.70	HSF	—	—	—	1.3	HSF	—
1970 21	7:58:24.40			SIZ	—	4	37.293	116.543	—	D	139	3.00*	—	HSF	—	—	—	1.1	HSF	—
1970 22	18:34:16.20			SIZ	—	4	37.307	116.480	—	D	137	3.00*	—	HSF	—	—	—	0.8	HSF	—
1970 23	6:10:41.50			SIZ	—	5	37.290	116.560	1.7	C	173	3.00*	—	HSF	—	—	—	1.0	HSF	—
1970 23	6:20:19.10			SIZ	—	6	37.255	116.513	1.3	C	164	6.30	4.90	HSF	—	—	—	0.6	HSF	—
1970 23	7:37:39.10			SIZ	—	5	37.292	116.547	2.0	C	179	3.00*	—	HSF	—	—	—	1.1	HSF	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER						INTENSITY			MAGNITUDE										
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF
1970	APR 23	14:	5:	45.90	SIZ	—	4	37.237	116.517	—	D	177	3.00*	—	HSF	—	—	—	0.1 HSF	—	—	—	—
1970	23	16:	34:	36.00	SIZ	—	4	37.275	116.583	—	D	185	3.00*	—	HSF	—	—	—	1.9 HSF	—	—	—	—
1970	24	5:	38:	24.90	SIZ	—	3	37.207	116.555	—	D	212	3.00*	—	HSF	—	—	—	—	—	—	—	—
1970	24	14:	3:	11.30	SIZ	—	3	37.260	116.490	—	D	185	3.00*	—	HSF	—	—	—	1.1 HSF	—	—	—	—
1970	25	2:	55:	29.60	SIZ	—	6	37.280	116.582	0.4	C	137	3.00*	—	HSF	—	—	3.0 PDX	1.6 HSF	—	—	—	—
1970	25	8:	25:	50.10	LM	—	—	36.000	114.700	—	A	—	5.00*	—	BRP	—	—	—	—	—	—	3.0 KKG	—
1970	25	8:	26:	20.60	SIZ	—	6	37.122	116.305	2.1	C	141	3.00*	—	HSF	—	—	—	1.5 HSF	—	—	—	—
1970	25	10:	54:	37.60	SIZ	—	5	37.300	116.547	—	D	193	3.80	—	HSF	—	—	—	0.9 HSF	—	—	—	—
1970	26	2:	27:	14.80	SIZ	—	6	37.315	116.543	3.1	C	216	3.70	1.30	HSF	—	—	—	0.5 HSF	—	—	—	—
1970	26	2:	29:	36.10	LM	—	—	36.000	114.700	—	A	—	5.00*	—	BRP	—	—	2.7 PDX	—	—	—	2.7 KKG	—
1970	27	2:	1:	53.90	SIZ	—	5	37.300	116.548	—	D	184	2.80	—	HSF	—	—	—	2.4 HSF	—	—	—	—
1970	27	15:	22:	7.60	SIZ	—	6	37.293	116.552	0.3	B	142	4.00	0.30	HSF	—	—	—	0.4 HSF	—	—	—	—
1970	27	18:	51:	0.40	SIZ	—	6	37.295	116.548	0.4	B	123	2.40	0.70	HSF	—	—	—	0.1 HSF	—	—	—	—
1970	27	19:	2:	47.80	SIZ	—	5	37.308	116.540	—	D	120	2.50	—	HSF	—	—	—	0.5 HSF	—	—	—	—
1970	28	4:	15:	38.60	SIZ	—	8	37.298	116.557	0.2	B	123	2.80	0.70	HSF	—	—	—	1.0 HSF	—	—	—	—
1970	28	5:	48:	29.80	SIZ	—	6	37.297	116.555	0.2	B	125	4.50	0.20	HSF	—	—	—	—	—	—	—	—
1970	28	22:	2:	15.80	SIZ	—	5	37.293	116.572	0.9	C	142	3.00*	—	HSF	—	—	—	—	—	—	—	—
1970	29	15:	32:	59.00	SIZ	—	7	37.202	116.577	0.4	B	120	3.50	0.70	HSF	—	—	—	0.9 HSF	—	—	—	—
1970	30	6:	22:	14.00	SIZ	—	9	37.275	116.555	0.4	A	81	3.10	0.80	HSF	—	—	—	1.4 HSF	—	—	—	—
1970	30	14:	15:	28.70	SIZ	—	8	37.295	116.553	0.3	B	126	3.10	0.70	HSF	—	—	—	0.4 HSF	—	—	—	—
1970	30	18:	58:	43.30	SIZ	—	11	37.290	116.557	0.3	B	136	2.90	0.50	HSF	—	—	—	2.1 HSF	—	—	—	—
1970	30	23:	1:	19.90	SIZ	—	8	37.287	116.555	0.4	B	138	1.50	0.50	HSF	—	—	—	1.1 HSF	—	—	—	—
1970	30	23:	49:	36.10	SIZ	—	13	37.288	116.558	0.3	B	138	2.90	0.50	HSF	—	—	—	2.3 HSF	—	—	—	—
1970	MAY 1	0:	51:	6.00	SIZ	—	5	37.288	116.553	0.7	C	135	3.00*	—	HSF	—	—	—	0.5 HSF	—	—	—	—
1970	1	4:	55:	22.40	SIZ	—	5	37.292	116.502	1.0	C	126	3.00*	—	HSF	—	—	—	—	—	—	—	—
1970	1	6:	37:	26.10	SIZ	—	13	37.207	116.572	0.2	B	118	3.40	0.40	HSF	—	—	—	2.3 HSF	—	—	—	—
1970	1	10:	17:	45.90	SIZ	—	13	37.207	116.573	0.3	B	118	3.20	0.50	HSF	—	—	—	2.5 HSF	—	—	—	—
1970	1	10:	45:	52.10	SIZ	—	12	37.297	116.560	0.3	A	82	3.30	0.50	HSF	—	—	—	2.1 HSF	—	—	—	—
1970	1	11:	42:	11.90	SIZ	—	7	37.205	116.572	1.0	B	220	3.60	0.90	HSF	—	—	—	0.6 HSF	—	—	—	—
1970	1	13:	8:	8.30	SIZ	—	13	37.298	116.560	0.2	A	83	2.90	0.40	HSF	—	—	—	1.9 HSF	—	—	—	—
1970	1	14:	49:	1.10	CSNL	0.60	7	37.300	116.037	—	—	—	—	—	RYN	—	4.0 RYN	—	—	—	—	3.8 GDY	
1970	1	14:	55:	48.30	CSNL	0.67	6	37.306	116.023	—	—	—	—	—	RYN	—	—	—	—	—	—	—	—
1970	2	18:	28:	13.00	SIZ	—	5	37.287	116.555	0.2	C	163	3.00*	—	HSF	—	—	—	1.9 HSF	—	—	—	—
1970	2	21:	34:	50.60	SIZ	—	5	37.207	116.652	0.7	D	183	3.00*	—	HSF	—	—	—	0.1 HSF	—	—	—	—
1970	3	1:	6:	36.40	SIZ	—	5	37.270	116.558	2.2	C	166	3.00*	—	HSF	—	—	—	1.2 HSF	—	—	—	—
1970	3	4:	49:	6.10	SIZ	—	11	37.295	116.547	0.3	B	132	3.50	0.40	HSF	—	—	—	—	—	—	—	—
1970	3	13:	4:	12.80	SIZ	—	6	37.285	116.558	0.6	B	145	1.40	0.90	HSF	—	—	—	1.4 HSF	—	—	—	—
1970	3	19:	39:	44.80	SIZ	—	4	37.277	116.508	—	D	152	3.00*	—	HSF	—	—	—	0.1 HSF	—	—	—	—
1970	4	19:	43:	54.30	SIZ	—	5	37.300	116.550	1.5	D	193	3.00*	—	HSF	—	—	—	0.9 HSF	—	—	—	—
1970	5	10:	46:	18.60	SIZ	—	6	37.257	116.458	0.4	B	127	3.80	0.60	HSF	—	—	—	0.1 HSF	—	—	—	—
1970	5	15:	58:	19.80	SIZ	—	4	37.222	116.237	—	D	226	3.00*	—	HSF	—	—	—	0.3 HSF	—	—	—	—
1970	6	1:	27:	44.90	SIZ	—	8	37.297	116.553	0.6	B	128	2.80	1.20	HSF	—	—	—	1.3 HSF	—	—	—	—
1970	7	13:	10:	10.30	SIZ	—	5	37.283	116.547	0.7	C	157	3.00*	—	HSF	—	—	—	0.1 HSF	—	—	—	—
1970	8	8:	5:	6.70	SIZ	—	13	37.302	116.555	0.2	A	87	3.80	0.20	HSF	—	—	—	2.1 HSF	—	—	—	—
1970	8	9:	3:	24.40	SIZ	—	3	37.298	116.558	—	D	165	3.00*	—	HSF	—	—	—	0.1 HSF	—	—	—	—
1970	8	11:	10:	54.60	SIZ	—	11	37.305	116.550	0.3	A	88	3.70	0.40	HSF	—	—	—	1.1 HSF	—	—	—	—
1970	9	0:	27:	39.30	SIZ	—	5	37.197	116.582	1.2	D	229	3.00*	—	HSF	—	—	—	0.1 HSF	—	—	—	—
1970	9	18:	45:	39.60	SIZ	—	9	37.207	116.565	0.6	B	118	4.50	0.80	HSF	—	—	—	1.2 HSF	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER							INTENSITY		MAGNITUDE														
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1970	MAY	10	12:45:	4.10		SIZ	—	9	37.258	116.525	0.7	B	91	5.40	2.40	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970		10	21:27:	49.30		SIZ	—	5	37.313	116.540	0.6	C	155	3.00*	—	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—
1970		11	12:58:	23.70		SIZ	—	7	37.290	116.560	0.7	C	139	3.00*	—	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970		11	20:59:	39.50		SIZ	—	4	37.290	116.558	—	D	173	3.00*	—	HSF	—	—	—	—	—	—	0.5	HSF	—	—	—	—
1970		12	7:36:	48.10		SIZ	—	8	37.235	116.560	1.1	B	105	3.00*	—	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970		12	7:47:	19.20		SIZ	—	6	37.232	116.507	0.8	B	125	5.00	1.00	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970		13	3:55:	45.60		SIZ	—	9	37.228	116.597	0.4	A	120	5.10	0.60	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—
1970		13	6:30:	9.60		SIZ	—	6	37.285	116.560	0.8	B	145	5.60	3.40	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—
1970		13	6:32:	43.00		SIZ	—	12	37.290	116.553	0.3	B	74	4.10	0.30	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	—
1970		13	14:59:	7.90		SIZ	—	11	37.293	116.560	0.2	B	78	3.30	0.30	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1970		14	2:7:	32.20		SIZ	—	5	37.290	116.552	1.2	C	133	3.00*	—	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—
1970		14	4:15:	13.40		SIZ	—	7	37.308	116.548	0.1	B	104	3.40	0.30	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970		15	0:9:	13.60		SIZ	—	7	37.310	116.547	0.9	B	197	4.10	0.90	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—
1970		15	0:14:	18.70		SIZ	—	4	37.303	116.547	—	D	198	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970		15	4:2:	49.30		SIZ	—	10	37.290	116.588	0.5	A	91	4.30	0.60	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—
1970		15	7:58:	22.70		SIZ	—	11	37.305	116.553	0.3	B	90	3.70	0.40	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	3.5 GDY
1970		15	13:57:	23.43		CSNL	—	—	37.163	116.036	—	—	—	8.00*	—	GDY	2	BRP	3.2 BRP	4.0 BRK	—	—	—	—	—	—	—	—
1970		15	15:19:	38.00		CSNL	—	4	36.100	116.000	—	—	—	—	—	BRK	—	—	—	—	—	—	—	—	—	—	—	—
1970		15	15:53:	2.90		SIZ	—	11	37.292	116.553	0.3	B	121	4.00	0.40	HSF	—	—	—	—	—	—	2.4	HSF	—	—	—	—
1970		15	16:41:	35.70		SIZ	—	8	37.290	116.555	0.5	B	120	4.20	0.60	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970		15	19:25:	5.10		SIZ	—	8	37.292	116.555	0.4	B	128	4.10	0.40	HSF	—	—	—	—	—	—	1.1	HSF	—	—	—	—
1970		16	1:24:	40.50		SIZ	—	9	37.290	116.553	0.3	B	127	4.00	0.40	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—
1970		16	19:34:	10.60		SIZ	—	10	37.292	116.555	0.3	B	95	3.80	0.40	HSF	—	—	—	—	—	—	2.3	HSF	—	—	—	—
1970		16	21:56:	8.80		SIZ	—	10	37.290	116.555	0.3	B	95	3.80	0.40	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—
1970		17	1:55:	54.90		SIZ	—	9	37.290	116.585	0.4	A	89	4.00	0.40	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	—
1970		17	5:56:	27.00		SIZ	—	4	37.298	116.553	—	D	121	3.00*	—	HSF	—	—	—	—	—	—	0.3	HSF	—	—	—	—
1970		17	8:23:	37.60		SIZ	—	5	37.293	116.553	0.7	C	128	3.00*	—	HSF	—	—	—	—	—	—	0.2	HSF	—	—	—	—
1970		17	8:58:	37.40		SIZ	—	5	37.160	116.522	2.2	D	220	3.00*	—	HSF	—	—	—	—	—	—	0.2	HSF	—	—	—	—
1970		17	11:2:	8.00		SIZ	—	5	37.292	116.553	0.5	C	130	3.00*	—	HSF	—	—	—	—	—	—	0.5	HSF	—	—	—	—
1970		17	16:17:	22.60		SIZ	—	9	37.290	116.555	0.4	B	168	3.70	0.50	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—
1970		17	16:29:	19.40		SIZ	—	5	37.288	116.550	1.3	C	174	3.00*	—	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970		17	16:35:	24.40		SIZ	—	7	37.290	116.553	0.5	B	175	3.10	0.60	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1970		17	16:40:	20.80		SIZ	—	9	37.287	116.557	0.3	B	165	3.70	0.40	HSF	—	—	—	—	—	—	2.4	HSF	—	—	—	—
1970		17	17:23:	8.82		SIZ	—	6	38.482	116.104	—	—	—	12.00	—	SHJ	—	—	—	—	—	—	1.1	SHJ	—	—	—	—
1970		17	17:59:	17.50		SIZ	—	6	37.288	116.555	0.9	B	171	4.10	0.90	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—
1970		17	23:11:	36.80		SIZ	—	9	37.293	116.555	0.4	B	130	4.10	0.40	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—
1970		18	2:50:	47.60		SIZ	—	6	37.295	116.552	0.5	C	104	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970		18	5:13:	6.90		SIZ	—	4	37.250	116.475	—	D	114	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970		18	15:40:	11.40		SIZ	—	17	37.295	116.557	0.5	B	79	4.10	0.60	HSF	—	—	—	—	—	—	2.7	HSF	—	—	—	—
1970		18	16:52:	39.30		SIZ	—	10	37.277	116.555	0.6	B	136	2.70	1.10	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	3.7 KKG
1970		18	20:10:	42.37		SIZ	—	—	36.378	117.920	—	—	—	8.00*	—	GDY	1	BRP	2.8 BRP	3.7 PAS	—	—	0.1	HSF	—	—	—	—
1970		19	11:12:	31.60		SIZ	—	4	37.275	116.553	—	D	156	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	—	—	—
1970		19	13:48:	29.20		SIZ	—	5	37.267	116.562	1.7	D	311	3.00*	—	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970		19	14:23:	4.90		SIZ	—	4	37.300	116.547	—	D	125	3.00*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—
1970		19	15:39:	4.60		SIZ	—	5	37.288	116.553	1.2	C	168	3.00*	—	HSF	—	—	—	—	—	—	1.1	HSF	—	—	—	—
1970		19	15:45:	40.60		SIZ	—	6	37.275	116.557	1.2	C	157	3.30	2.30	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—
1970		19	16:38:	37.60		SIZ	—	7	37.303	116.545	0.4	B	188	4.30	0.30	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—
1970		19	21:44:	42.60		SIZ	—	8	37.308	116.545	0.7	B	206	4.00	0.50	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER					INTENSITY		MAGNITUDE																	
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1970 MAY 20	4:	6:	17.90	SIZ	—	10	37.290	116.553	0.3	A	101	4.00	0.30	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—	
1970 20	8:	44:	14.90	SIZ	—	11	37.293	116.555	0.3	A	96	4.10	0.30	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—	
1970 20	10:	18:	48.50	SIZ	—	5	37.295	116.555	0.7	C	126	3.00*	—	HSF	—	—	—	—	—	—	0.5	HSF	—	—	—	—	
1970 20	11:	34:	44.30	SIZ	—	4	37.297	116.552	—	D	123	3.00*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—	
1970 20	15:	19:	38.30	SIZ	—	11	37.290	116.557	0.3	B	168	3.70	0.20	HSF	—	—	—	—	—	—	2.5	HSF	—	—	—	—	
1970 21	2:	26:	24.70	SIZ	—	13	37.293	116.555	0.3	A	77	4.30	0.30	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—	
1970 21	3:	40:	12.90	SIZ	—	9	37.290	116.548	0.4	B	129	3.90	0.40	HSF	—	—	—	—	—	—	0.5	HSF	—	—	—	—	
1970 21	6:	1:	17.90	SIZ	—	6	37.292	116.553	0.4	B	131	4.20	0.60	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—	
1970 21	14:	28:	30.80	SIZ	—	5	37.157	116.255	2.0	D	258	3.00*	—	HSF	—	—	—	—	3.1	RYN	0.1	HSF	—	—	—	—	
1970 21	23:	14:	51.90	SIZ	—	5	37.297	116.552	0.8	C	123	3.00*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—	
1970 22	0:	48:	4.90	SIZ	—	5	37.305	116.550	0.4	C	113	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	—	—	—	
1970 22	17:	5:	6.90	SIZ	—	4	37.297	116.552	—	D	123	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	—	—	—	
1970 22	18:	8:	24.60	SIZ	—	5	37.295	116.552	0.3	C	124	3.00*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—	
1970 23	0:	12:	13.10	SIZ	—	10	37.298	116.555	0.9	B	122	3.50	1.10	HSF	—	—	—	—	—	—	1.7	HSF	—	—	—	—	
1970 23	4:	21:	56.00	SIZ	—	4	37.315	116.550	—	D	122	3.00*	—	HSF	—	—	—	—	—	—	0.2	HSF	—	—	—	—	
1970 23	5:	45:	37.60	SIZ	—	8	37.207	116.505	0.6	B	221	4.80	0.40	HSF	—	—	—	—	—	—	0.3	HSF	—	—	—	—	
1970 24	5:	48:	13.40	SIZ	—	5	37.285	116.567	0.9	C	157	3.00*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—	
1970 24	15:	58:	39.80	SIZ	—	4	37.288	116.555	—	D	169	3.00*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—	
1970 24	19:	2:	33.40	SIZ	—	10	37.203	116.537	0.5	B	205	3.30	0.50	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—	
1970 25	0:	0:	9.40	SIZ	—	7	37.200	116.542	0.8	B	209	3.10	1.20	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—	
1970 25	4:	50:	37.50	SIZ	—	6	37.288	116.550	0.6	B	133	4.30	0.60	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	—	
1970 25	21:	43:	0.30	SIZ	—	7	37.278	116.550	0.6	B	146	2.90	0.90	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—	
1970 26	11:	25:	43.80	SIZ	—	11	37.308	116.552	0.2	A	106	4.40	0.20	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—	
1970 26	11:	51:	18.40	SIZ	—	11	37.308	116.552	0.3	A	106	4.40	0.30	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—	
1970 26	12:	54:	19.60	SIZ	—	9	37.112	116.298	1.2	C	226	3.30	0.90	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—	
1970 27	5:	58:	44.60	SIZ	—	12	37.295	116.555	0.4	A	97	4.20	0.30	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	—	
1970 27	6:	16:	32.60	SIZ	—	6	37.293	116.555	0.6	B	102	4.30	0.80	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	—	
1970 27	9:	7:	56.00	SIZ	—	10	37.305	116.552	0.4	A	110	4.40	0.40	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	—	
1970 28	12:	0:	1.81	SIZ	—	—	37.200	116.049	—	—	—	8.00*	—	GDY	—	—	—	—	4.2	RYN	—	—	4.2	PDX	—	4.2	GDY
1970 30	1:	29:	16.10	SIZ	—	5	37.193	116.580	0.6	C	171	3.00*	—	HSF	—	—	—	—	—	—	0.5	HSF	—	—	—	—	
1970 30	10:	54:	16.70	—	—	6	37.198	116.578	0.9	B	176	3.70	1.00	HSF	—	—	—	—	—	—	—	—	—	—	—	—	
1970 30	12:	23:	34.00	SIZ	—	5	37.303	116.545	6.6	D	318	3.00*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—	
1970 JUN 1	17:	7:	2.60	SIZ	—	5	37.283	116.588	1.5	C	178	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	—	—	—	
1970 2	5:	51:	28.50	SIZ	—	7	37.173	116.250	1.1	C	223	2.40	2.10	HSF	—	—	—	—	—	—	1.4	HSF	—	—	—	—	
1970 2	12:	11:	13.80	SIZ	—	8	37.322	116.468	0.3	B	125	4.40	0.40	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—	
1970 4	17:	35:	54.90	SIZ	—	12	37.298	116.548	0.3	A	82	3.30	0.40	HSF	—	—	—	—	—	—	—	—	—	—	—	—	
1970 5	7:	13:	3.70	SIZ	—	4	37.297	116.555	—	D	186	3.00*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—	
1970 7	3:	2:	24.60	SIZ	—	13	37.290	116.550	0.2	A	73	3.60	0.30	HSF	—	—	—	—	—	—	1.6	HSF	—	—	—	—	
1970 7	3:	28:	34.40	SIZ	—	4	37.287	116.552	—	D	164	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	—	—	—	
1970 7	10:	19:	10.20	SIZ	—	5	37.300	116.557	0.5	C	109	3.00*	—	HSF	—	—	—	—	—	—	1.3	HSF	—	—	—	—	
1970 8	18:	59:	54.30	SIZ	—	8	37.115	116.282	1.7	C	205	3.80	1.30	HSF	—	—	—	—	—	—	1.5	HSF	—	—	—	—	
1970 9	13:	34:	54.80	SIZ	0.40	4	38.205	117.814	—	—	—	—	—	RYN	—	—	—	—	—	—	—	—	—	—	—	—	
1970 9	19:	39:	15.20	SIZ	—	4	37.283	116.548	—	D	142	3.00*	—	HSF	—	—	—	—	—	—	0.2	HSF	—	—	—	—	
1970 10	0:	21:	52.80	SIZ	—	5	37.298	116.547	0.6	C	117	3.00*	—	HSF	—	—	—	—	—	—	1.1	HSF	—	—	—	—	
1970 11	14:	56:	10.20	SIZ	—	6	37.310	116.547	0.3	B	194	3.60	0.40	HSF	—	—	—	—	—	—	0.3	HSF	—	—	—	—	
1970 12	20:	2:	41.30	SIZ	—	6	37.190	116.475	0.8	B	196	3.30	1.30	HSF	—	—	—	—	—	—	—	—	—	—	—	—	
1970 13	2:	39:	4.30	SIZ	—	4	37.218	116.578	—	D	259	3.00*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—	
1970 13	2:	47:	47.90	SIZ	—	6	37.207	116.583	0.9	C	227	3.30	1.10	HSF	—	—	—	—	—	—	—	—	—	—	—	—	

SG8 HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE												
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF	
1970 JUN 16		6:35:53.00			SIZ	—	6	37.292	116.552	0.8	B	177	4.30	0.70	HSF	—	—	—	0.1	HSF	—	—	—	
1970 JUN 17		12: 8:21.71			—	—	—	35.901	117.743	—	A	—	8.00*	—	PAS	—	—	2.4	PAS	—	—	—		
1970 JUN 18		13:52:25.80			SIZ	—	6	37.298	116.557	0.3	B	122	3.60	1.40	HSF	—	—	—	0.4	HSF	—	—		
1970 JUN 18		20: 4:45.20			—	—	6	37.487	116.533	3.8	D	276	11.80	5.00	HSF	—	—	—	0.7	HSF	—	—		
1970 JUN 19		13:13:55.80			SIZ	—	4	37.287	116.548	—	D	163	3.00*	—	HSF	—	—	—	—	—	—	—		
1970 JUN 19		13:41:56.60			SIZ	—	4	37.292	116.555	—	D	181	3.00*	—	HSF	—	—	—	0.4	HSF	—	—		
1970 JUN 20		1:30: 2.40			SIZ	—	4	37.283	116.450	—	D	170	3.00*	—	HSF	—	—	—	0.5	HSF	—	—		
1970 JUN 20		14: 4:55.90			SIZ	—	5	37.293	116.548	2.5	D	184	3.00*	—	HSF	—	—	—	0.5	HSF	—	—		
1970 JUN 21		13:24:11.30			SIZ	—	4	37.312	116.547	—	D	141	3.00*	—	HSF	—	—	—	—	—	—	—		
1970 JUN 24		0:28:25.60			SIZ	—	10	37.217	116.522	1.2	C	192	4.30	0.80	HSF	—	—	—	2.2	HSF	—	—		
1970 JUN 24		10:45:33.00			SIZ	—	11	37.292	116.553	0.3	B	131	3.60	0.30	HSF	—	—	—	2.0	HSF	—	—		
1970 JUN 25		2:28:24.90			SIZ	—	6	37.218	116.520	0.4	B	189	3.20	0.60	HSF	—	—	—	0.3	HSF	—	—		
1970 JUN 25		10:20:13.10			SIZ	—	7	37.220	116.515	0.7	B	223	5.30	1.10	HSF	—	—	—	0.4	HSF	—	—		
1970 JUN 25		11:51:40.80			SIZ	—	7	37.288	116.555	0.5	B	138	4.20	0.60	HSF	—	—	—	0.5	HSF	—	—		
1970 JUN 25		20:52:53.60			SIZ	—	7	37.210	116.563	0.6	C	117	3.00*	—	HSF	—	—	—	0.9	HSF	—	—		
1970 JUN 25		21:21:19.60			SIZ	—	14	37.303	116.555	0.5	B	88	3.40	0.70	HSF	—	—	—	2.1	HSF	—	—		
1970 JUN 26		3: 6:30.70			SIZ	—	4	37.292	116.452	—	D	124	3.00*	—	HSF	—	—	—	0.3	HSF	—	—		
1970 JUN 26		12:50:52.20			SIZ	—	7	37.202	116.588	0.6	B	148	4.00	0.80	HSF	—	—	—	0.6	HSF	—	—		
1970 JUN 26		14:52:40.50			SIZ	—	5	37.203	116.585	0.8	C	165	3.00*	—	HSF	—	—	—	—	—	—	—		
1970 JUN 26		15:19:39.80			SIZ	—	6	37.202	116.593	0.5	C	146	4.90*	—	HSF	—	—	—	0.1	HSF	—	—		
1970 JUN 28		4:55:32.70			SIZ	—	4	37.207	116.520	—	D	242	3.00*	—	HSF	—	—	—	—	—	—	—		
1970 JUN 28		8: 3: 4.10			SIZ	—	6	37.308	116.460	0.3	B	111	3.00	0.90	HSF	—	—	—	1.2	HSF	—	—		
1970 JUN 29		7:25:10.90			SIZ	—	4	37.153	116.290	—	D	133	3.00*	—	HSF	—	—	—	0.1	HSF	—	—		
1970 JUN 30		1:13:29.70			SIZ	—	4	37.215	116.577	—	D	262	3.00*	—	HSF	—	—	—	0.1	HSF	—	—		
1970 JUN 30		5:10:45.50			—	—	—	35.687	117.579	—	A	—	8.00*	—	PAS	—	—	2.3	PAS	—	—	—		
1970 JUN 30		13: 7: 1.50			SIZ	—	9	37.310	116.542	0.5	B	100	3.40	1.10	HSF	—	—	—	0.9	HSF	—	—		
1970 JUN 30		16: 1:31.50			SIZ	—	5	37.315	116.562	0.9	D	329	3.00*	—	HSF	—	—	—	1.9	HSF	—	—		
1970 JUL 2		17:36: 8.86			—	—	7	37.558	117.721	—	—	—	6.60	—	PHM	—	—	—	1.6	PHM	—	—		
1970 JUL 3		1: 5:42.10			SIZ	—	8	37.285	116.540	2.3	D	292	1.50*	—	HSF	—	—	—	1.8	HSF	—	—		
1970 JUL 3		2:11:51.00			SIZ	—	5	37.202	116.567	0.9	D	232	3.00*	—	HSF	—	—	—	0.7	HSF	—	—		
1970 JUL 3		2:14:12.20			SIZ	—	5	37.195	116.493	0.9	D	216	3.00*	—	HSF	—	—	—	0.5	HSF	—	—		
1970 JUL 3		2:58:41.40			SIZ	—	6	37.297	116.560	1.5	C	264	3.30	0.80	HSF	—	—	—	1.2	HSF	—	—		
1970 JUL 3		10:13:29.60			SIZ	—	6	37.187	116.513	0.6	C	238	3.20	0.80	HSF	—	—	—	1.3	HSF	—	—		
1970 JUL 5		9:38:48.60			SIZ	—	5	37.237	116.593	4.0	D	292	3.00*	—	HSF	—	—	—	0.5	HSF	—	—		
1970 JUL 5		21:23:47.59			—	—	—	36.024	117.867	—	B	—	8.00*	—	PAS	—	—	2.6	PAS	—	—	—		
1970 JUL 7		10:48:34.85			—	—	—	36.036	117.677	—	—	—	8.00*	—	CDY	—	—	3.1	PAS	—	3.4	PDX	3.4	KKG
1970 JUL 8		0:53:16.60			SIZ	—	4	37.278	116.468	—	D	167	3.00*	—	HSF	—	—	—	1.8	HSF	—	—		
1970 JUL 8		19:11:29.80			SIZ	—	5	37.238	116.533	0.9	D	247	3.00*	—	HSF	—	—	—	0.4	HSF	—	—		
1970 JUL 10		2: 4:50.10			SIZ	—	4	37.287	116.510	—	D	202	3.00*	—	HSF	—	—	—	1.0	HSF	—	—		
1970 JUL 12		16:32:52.30			SIZ	—	8	37.300	116.568	1.4	C	270	3.10	0.80	HSF	—	—	—	2.3	HSF	—	—		
1970 JUL 13		0:41:58.00			SIZ	—	5	37.283	116.515	1.5	D	202	3.00*	—	HSF	—	—	—	1.4	HSF	—	—		
1970 JUL 13		17:49:21.46			—	—	4	37.438	117.935	—	—	—	3.00*	—	PHM	—	—	—	—	—	—	—		
1970 JUL 14		13:57:36.40			SIZ	—	8	37.288	116.558	1.7	C	267	2.50	1.10	HSF	—	—	—	2.3	HSF	—	—		
1970 JUL 15		9:20:55.80			SIZ	—	9	37.263	116.575	0.9	C	272	3.30	0.50	HSF	—	—	—	1.6	HSF	—	—		
1970 JUL 16		3: 0:21.00			—	0.12	5	37.037	117.602	—	—	—	—	—	RYN	—	—	2.4	RYN	—	—	—		
1970 JUL 17		12:47:41.13			—	—	12	37.454	117.993	—	—	—	3.00*	—	PHM	—	—	3.1	RYN	—	—	3.9	BRK	
1970 JUL 18		22:50: 5.90			SIZ	—	4	37.220	116.492	—	D	213	3.00*	—	HSF	—	—	—	2.5	PHM	—	—		
1970 JUL 18		22:53:32.90			SIZ	—	6	37.223	116.510	0.6	C	226	5.00	0.30	HSF	—	—	—	1.1	HSF	—	—		

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER				INTENSITY		MAGNITUDE															
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	REF	MD	REF	mb	REF	OTH	REF
1970 JUL 19	19	1:33:43.90			SIZ	—	6	37.312	116.598	2.4	D	325	3.00*	—	HSF	—	—	—	—	—	1.0	HSF	—	—	—	—
1970 JUL 19	19	9:53: 0.20			SIZ	—	12	37.295	116.555	0.3	B	191	3.40	0.30	HSF	—	—	—	—	—	2.5	HSF	—	—	—	—
1970 JUL 19	19	11:35:34.80			SIZ	—	18	37.297	116.557	0.4	A	82	3.70	0.60	HSF	—	—	—	3.2	PAS	—	—	—	—	—	—
1970 JUL 19	19	12:32:26.90			SIZ	—	8	37.293	116.567	1.8	C	314	3.70	0.70	HSF	—	—	—	—	—	1.1	HSF	—	—	—	—
1970 JUL 19	19	13:57:49.10			SIZ	—	10	37.297	116.567	0.5	C	261	3.70	0.30	HSF	—	—	—	—	—	2.1	HSF	—	—	—	—
1970 JUL 19	19	14:51:19.10			SIZ	—	8	37.293	116.557	1.7	C	261	3.70	0.70	HSF	—	—	—	—	—	1.1	HSF	—	—	—	—
1970 JUL 19	19	15:32:49.30			SIZ	—	7	37.292	116.548	0.4	C	249	3.80	0.10	HSF	—	—	—	—	—	1.1	HSF	—	—	—	—
1970 JUL 19	19	16: 1: 8.90			SIZ	—	9	37.297	116.560	0.7	C	257	3.80	0.30	HSF	—	—	—	—	—	0.9	HSF	—	—	—	—
1970 JUL 19	19	17:52:47.90			SIZ	—	4	37.278	116.517	—	D	205	3.00*	—	HSF	—	—	—	—	—	0.9	HSF	—	—	—	—
1970 JUL 19	19	20:58:20.90			SIZ	—	6	37.288	116.552	1.0	C	304	3.70	0.30	HSF	—	—	—	—	—	1.8	HSF	—	—	—	—
1970 JUL 20	20	2:27: 9.00			SIZ	—	11	37.292	116.562	0.4	B	193	3.50	0.40	HSF	—	—	—	—	—	2.2	HSF	—	—	—	—
1970 JUL 20	20	2:33:18.40			SIZ	—	5	37.278	116.545	3.3	D	281	3.00*	—	HSF	—	—	—	—	—	0.5	HSF	—	—	—	—
1970 JUL 20	20	3:54:25.90			SIZ	—	4	37.285	116.492	—	D	163	3.00*	—	HSF	—	—	—	—	—	0.1	HSF	—	—	—	—
1970 JUL 20	20	10:46:17.00			SIZ	—	8	37.295	116.560	0.5	C	155	3.00*	—	HSF	—	—	—	—	—	2.5	HSF	—	—	—	—
1970 JUL 20	20	11:26:27.50			SIZ	—	4	37.288	116.512	—	D	232	3.00*	—	HSF	—	—	—	—	—	0.8	HSF	—	—	—	—
1970 JUL 21	21	11:14:33.20			SIZ	—	—	36.101	117.828	—	A	—	8.00*	—	PAS	—	—	—	2.5	PAS	—	—	—	—	—	—
1970 JUL 28	28	16:25:47.40			SIZ	—	10	37.283	116.547	0.4	B	137	3.10	0.50	HSF	—	—	—	—	—	2.5	HSF	—	—	—	—
1970 JUL 28	28	17: 2:10.23			SIZ	—	—	36.947	114.965	—	—	—	8.00*	—	GDY	—	—	—	—	—	—	—	—	—	—	
1970 JUL 29	29	1:23:16.87			SIZ	—	—	35.969	117.658	—	—	—	8.00*	—	GDY	—	—	—	3.0	PAS	—	—	3.5	PDX	3.0	KKG
1970 JUL 29	29	6:16: 1.70			SIZ	—	4	37.310	116.563	—	D	217	3.00*	—	HSF	—	—	—	—	—	0.8	HSF	—	—	—	—
1970 JUL 29	29	18:10:57.40			SIZ	—	6	37.285	116.557	1.8	C	190	3.00*	—	HSF	—	—	—	—	—	2.4	HSF	—	—	—	—
1970 JUL 29	29	18:10:59.10			SIZ	0.16	6	37.197	117.311	—	—	—	3.00*	—	RYN	—	—	—	3.2	RYN	—	—	—	—	—	—
1970 JUL 29	29	18:15:55.10			SIZ	—	4	37.283	116.560	—	D	169	3.00*	—	HSF	—	—	—	—	—	2.5	HSF	—	—	—	—
1970 JUL 29	29	19:10:39.50			SIZ	—	5	37.302	116.543	0.1	C	110	3.00*	—	HSF	—	—	—	—	—	2.1	HSF	—	—	—	—
1970 JUL 30	30	0:51:19.40			SIZ	—	4	37.298	116.560	—	D	335	3.00*	—	HSF	—	—	—	—	—	1.6	HSF	—	—	—	—
1970 JUL 30	30	20:16:35.40			SIZ	—	10	37.283	116.560	—	C	103	0.60*	—	HSF	—	—	—	4.3	RYN	—	—	4.1	PDX	4.4	PAS
1970 JUL 30	30	23: 2:58.30			SIZ	—	5	37.290	116.548	0.4	C	144	3.00*	—	HSF	—	—	—	—	—	1.9	HSF	—	—	—	—
1970 JUL 31	31	4:44:54.20			SIZ	—	5	37.297	116.553	0.3	C	166	3.00*	—	HSF	—	—	—	—	—	1.5	HSF	—	—	—	—
1970 JUL 31	31	4:56: 5.30			SIZ	—	6	37.302	116.553	0.7	C	145	3.00*	—	HSF	—	—	—	—	—	2.2	HSF	—	—	—	—
1970 JUL 31	31	8:44:25.40			SIZ	—	4	37.292	116.550	—	D	157	3.00*	—	HSF	—	—	—	—	—	1.7	HSF	—	—	—	—
1970 JUL 31	31	14:35: 9.80			SIZ	—	5	37.295	116.550	1.7	C	154	3.00*	—	HSF	—	—	—	—	—	1.8	HSF	—	—	—	—
1970 AUG 1	1	3:12:51.40			SIZ	—	4	37.307	116.573	—	D	158	3.00*	—	HSF	—	—	—	—	—	1.8	HSF	—	—	—	—
1970 AUG 1	1	16:11: 2.70			SIZ	—	5	37.293	116.555	0.6	C	155	3.00*	—	HSF	—	—	—	—	—	1.4	HSF	—	—	—	—
1970 AUG 2	2	7:25:31.00			SIZ	—	4	37.287	116.555	—	D	192	3.00*	—	HSF	—	—	—	—	—	0.2	HSF	—	—	—	—
1970 AUG 2	2	11:38:55.80			SIZ	—	5	37.292	116.563	0.8	D	186	3.00*	—	HSF	—	—	—	—	—	1.6	HSF	—	—	—	—
1970 AUG 2	2	13:14:33.40			SIZ	—	5	37.272	116.575	1.1	C	127	3.00*	—	HSF	—	—	—	—	—	1.0	HSF	—	—	—	—
1970 AUG 2	2	13:35:27.50			SIZ	—	5	37.288	116.565	—	D	191	3.00*	—	HSF	—	—	—	—	—	1.1	HSF	—	—	—	—
1970 AUG 3	3	9:15:46.00			SIZ	—	4	37.228	116.548	—	D	262	3.00*	—	HSF	—	—	—	—	—	1.1	HSF	—	—	—	—
1970 AUG 3	3	23:47:53.80			SIZ	—	4	37.287	116.552	—	D	190	3.00*	—	HSF	—	—	—	—	—	0.6	HSF	—	—	—	—
1970 AUG 4	4	11:43:46.20			SIZ	—	5	37.288	116.555	0.3	C	163	3.00*	—	HSF	—	—	—	—	—	1.6	HSF	—	—	—	—
1970 AUG 5	5	8:29:58.40			SIZ	—	5	37.300	116.558	0.4	C	149	3.00*	—	HSF	—	—	—	—	—	1.0	HSF	—	—	—	—
1970 AUG 5	5	11: 1:44.00			SIZ	—	7	37.288	116.560	0.5	B	165	3.80	0.50	HSF	—	—	—	—	—	2.1	HSF	—	—	—	—
1970 AUG 5	5	14:58:24.40			SIZ	—	5	37.290	116.555	0.6	D	184	3.00*	—	HSF	—	—	—	—	—	0.8	HSF	—	—	—	—
1970 AUG 7	7	6:11:36.00			SIZ	—	4	37.287	116.548	—	D	194	3.00*	—	HSF	—	—	—	—	—	1.1	HSF	—	—	—	—
1970 AUG 9	9	9:32:20.30			SIZ	—	4	37.277	116.538	—	D	230	3.00*	—	HSF	—	—	—	—	—	1.2	HSF	—	—	—	—
1970 AUG 10	10	0:20:46.60			SIZ	—	6	37.283	116.555	0.6	C	169	3.00*	—	HSF	—	—	—	—	—	1.9	HSF	—	—	—	—
1970 AUG 10	10	0:46:37.40			SIZ	—	—	37.322	116.465	0.8	B	125	4.50	0.90	HSF	—	—	—	—	—	1.7	HSF	—	—	—	—
1970 AUG 10	10	10:48:57.54			SIZ	—	—	37.196	115.864	—	—	—	8.00*	—	GDY	—	—	—	3.9	RYN	—	—	4.1	PDX	3.9	PAS

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE												
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF	
1970 AUG	10	14:42:	6.70	SIZ	—	4	37.290	116.553	—	D	184	3.00*	—	HSF	—	—	—	1.5	HSF	—	—	—	—	
	10	15:51:	20.70	SIZ	—	5	37.275	116.550	1.1	D	188	3.00*	—	HSF	—	—	—	1.8	HSF	—	—	—		
	10	21:33:	31.50	SIZ	—	6	37.277	116.455	0.6	B	161	3.60	1.00	HSF	—	—	—	1.8	HSF	—	—	—		
	12	11:45:	2.12	—	—	—	36.059	118.000	A	—	—	8.00*	—	PAS	—	—	2.7	PAS	—	—	—	—		
	13	21:12:	16.40	SIZ	—	8	37.310	116.540	0.3	A	117	3.80	0.50	HSF	—	—	—	2.4	HSF	—	—	—		
1970	15	3:31:	40.90	SIZ	—	7	37.292	116.557	0.6	B	144	4.00	0.50	HSF	—	—	—	2.2	HSF	—	—	—		
1970	15	4:25:	26.00	SIZ	—	4	37.290	116.552	—	D	186	3.00*	—	HSF	—	—	—	1.7	HSF	—	—	—		
	15	5:47:	34.55	—	—	—	35.915	117.589	B	—	—	8.00*	—	PAS	—	—	3.0	PAS	—	—	—	—		
	16	11:28:	24.60	SIZ	—	5	37.282	116.548	0.3	C	179	3.00*	—	HSF	—	—	—	2.1	HSF	—	—	—		
	16	13:12:	2.80	SIZ	—	5	37.280	116.547	0.6	D	181	3.00*	—	HSF	—	—	—	2.5	HSF	—	—	—		
	20	11:26:	0.20	—	0.22	4	37.221	117.551	—	—	—	—	—	RYN	—	—	—	—	—	—	—	2.6 PAS		
1970	21	2:45:	42.90	—	1.05	6	37.520	117.411	—	—	—	—	—	RYN	—	—	2.8	RYN	—	—	—	—		
1970	21	14:40:	8.30	—	0.39	5	37.363	117.594	—	—	—	—	—	RYN	—	—	—	—	—	—	—	—	—	
	23	0:36:	36.58	—	—	—	36.006	117.762	A	—	—	8.00*	—	PAS	—	—	2.6	PAS	—	—	—	—	—	
	24	2:51:	32.50	SIZ	—	5	37.283	116.553	0.3	C	176	3.00*	—	HSF	—	—	—	0.9	HSF	—	—	—	—	
	25	5:42:	12.40	SIZ	—	5	37.292	116.562	1.2	D	185	3.00*	—	HSF	—	—	—	1.5	HSF	—	—	—	—	
	26	16:59:	2.20	—	—	—	35.897	117.987	—	—	—	8.00	—	PDX	—	—	2.7	PDX	—	—	—	—	—	
1970	30	15:25:	52.70	—	0.39	4	37.522	117.532	—	—	—	—	—	RYN	—	—	2.5	RYN	—	—	—	—	—	
1970	31	7:26:	43.10	—	0.16	5	37.336	117.526	—	—	—	—	—	RYN	—	—	2.6	RYN	—	—	—	—	—	
	1	6:20:	1.80	SIZ	—	4	37.300	116.560	—	D	162	3.00*	—	HSF	—	—	—	1.0	HSF	—	—	—	—	
	2	2:34:	1.00	SIZ	—	5	37.282	116.547	0.7	C	157	3.00*	—	HSF	—	—	—	1.5	HSF	—	—	—	—	
	4	4:6:	26.70	SIZ	—	8	37.290	116.557	0.5	B	135	4.00	0.50	HSF	—	—	—	1.9	HSF	—	—	—	—	
	6	3:24:	9.30	—	0.69	10	37.445	117.671	—	—	—	—	—	RYN	—	—	2.9	RYN	—	—	—	—	—	
1970	6	6:41:	42.60	—	0.31	4	37.434	117.689	—	—	—	—	—	RYN	—	—	2.5	RYN	—	—	—	—	—	
1970	6	13:11:	49.10	—	0.34	6	37.429	117.677	—	—	—	—	—	RYN	—	—	3.1	RYN	—	—	—	—	2.9 PAS	
	6	15:59:	41.50	—	0.38	8	37.507	117.759	—	—	—	—	—	RYN	—	—	2.9	RYN	—	—	—	—	2.9 PAS	
	7	9:24:	40.40	—	0.18	6	37.376	117.700	—	—	—	—	—	RYN	—	—	2.9	RYN	—	—	—	—	2.9 PAS	
	8	14:33:	59.90	—	1.97	6	37.864	117.758	—	—	—	—	—	RYN	—	—	3.0	RYN	—	—	—	—	—	
	11	11:13:	32.90	SIZ	—	5	37.287	116.550	0.4	C	166	3.00*	—	HSF	—	—	—	1.1	HSF	—	—	—	—	
1970	11	13:39:	41.44	—	—	7	38.174	116.400	—	—	—	5.00*	—	SHJ	—	—	—	0.6	SHJ	—	—	—	—	
1970	13	5:44:	51.90	SIZ	—	5	37.312	116.552	0.5	C	157	3.00*	—	HSF	—	—	—	0.9	HSF	—	—	—	—	—
	13	6:15:	48.90	SIZ	—	8	37.198	116.490	0.7	B	189	2.00	0.60	HSF	—	—	—	2.7	HSF	—	—	—	—	
	15	3:7:	11.90	—	0.29	5	37.305	117.568	—	—	—	—	—	RYN	—	—	2.9	RYN	—	—	—	—	2.7 PAS	
	18	5:5:	25.60	SIZ	—	7	37.182	116.455	0.7	B	184	3.60	1.00	HSF	—	—	—	1.2	HSF	—	—	—	—	
	19	16:27:	28.11	—	—	—	37.012	117.855	—	—	—	8.00*	—	GDY	—	—	3.1	PAS	—	—	—	—	3.8 BRK	
1970	20	13:1:	25.66	—	—	3	38.436	116.033	—	—	—	5.00*	—	SHJ	—	—	—	0.2	SHJ	—	—	—	—	
1970	20	17:4:	10.50	SIZ	—	5	37.285	116.553	0.4	C	158	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	—
	21	14:59:	40.70	SIZ	—	15	37.290	116.553	0.3	A	74	3.60	0.40	HSF	—	—	—	2.9	HSF	—	—	—	—	
	21	15:18:	46.90	SIZ	—	11	37.290	116.550	0.3	B	131	4.00	0.30	HSF	—	—	—	2.0	HSF	—	—	—	—	
	21	15:22:	55.00	SIZ	—	5	37.287	116.555	0.4	C	163	3.00*	—	HSF	—	—	—	0.9	HSF	—	—	—	—	
	21	15:32:	41.10	SIZ	—	5	37.287	116.553	0.5	C	166	3.00*	—	HSF	—	—	—	0.9	HSF	—	—	—	—	
1970	22	9:30:	33.60	SIZ	—	5	37.285	116.555	0.9	C	158	3.00*	—	HSF	—	—	—	0.1	HSF	—	—	—	—	
1970	22	14:2:	8.90	SIZ	—	5	37.287	116.555	0.4	C	163	3.00*	—	HSF	—	—	—	0.1	HSF	—	—	—	—	—
	22	17:26:	28.40	SIZ	—	7	37.287	116.555	0.4	B	138	3.40	0.50	HSF	—	—	—	1.2	HSF	—	—	—	—	
	23	3:26:	18.50	SIZ	—	5	37.285	116.553	0.4	C	159	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	
	26	1:15:	42.50	—	0.64	6	38.143	116.139	—	—	—	—	—	RYN	—	—	2.4	RYN	—	—	—	—	—	
	26	6:40:	20.60	SIZ	—	5	37.285	116.555	0.4	C	160	3.00*	—	HSF	—	—	—	0.5	HSF	—	—	—	—	
1970	27	8:37:	35.30	SIZ	—	6	37.283	116.555	0.6	B	156	3.10	0.80	HSF	—	—	—	0.4	HSF	—	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE																				
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF			
1970	SEP	28	0:47	15.60	SIZ	—	5	37.295	116.540	0.5	C	132	3.00*	—	HSF	—	—	—	—	—	—	—	0.6	HSF	—	—	—	—		
1970	28	8:0	23.00	5			37.022	116.382	4.4	D	262	3.00*	—	HSF	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—		
1970	28	10:46	9.62	11			38.217	116.393	—	—	—	5.00*	—	SHJ	—	—	—	—	—	—	—	—	1.4	SHJ	—	—	—	—		
1970	30	3:6	8.80	9			37.192	116.202	2.4	D	268	0.60*	—	HSF	—	HSF	—	—	—	—	—	—	1.5	HSF	—	—	—	—		
1970	30	6:3	19.90	6			37.135	116.205	2.2	C	272	4.10	—	0.70	HSF	—	HSF	—	—	—	—	—	1.2	HSF	—	—	—	—		
1970	30	20:2	29.60	SIZ	—	—	4	37.288	116.552	—	D	168	3.00*	—	HSF	—	—	—	—	—	—	0.2	HSF	—	—	—	—			
1970	OCT	1	0:5	31.40	SIZ	—	11	37.252	116.515	0.3	A	70	5.30	0.60	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—			
1970	2	11:55	20.10	SIZ	—	—	5	37.200	116.585	0.8	C	121	3.00*	—	HSF	—	—	—	—	—	—	0.2	HSF	—	—	—	—			
1970	3	8:31	26.50	SIZ	—	—	7	37.202	116.588	0.4	C	119	5.00*	—	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	—			
1970	3	8:50	46.90	SIZ	—	—	5	37.203	116.588	0.4	C	117	4.20*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—			
1970	5	12:20	48.40	SIZ	—	—	4	37.292	116.558	—	D	176	3.00*	—	HSF	—	—	—	—	—	—	0.4	HSF	—	—	—	—			
1970	5	13:53	24.70	SIZ	—	—	5	37.292	116.548	0.4	C	127	3.00*	—	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	—			
1970	5	14:22	46.85	SIZ	—	—	9	37.463	117.999	—	—	—	1.40	—	PHM	—	—	—	—	—	—	0.9	PHM	—	—	—	—			
1970	5	19:9	25.00				7	37.295	116.553	0.4	B	133	3.00	0.70	HSF	—	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—		
1970	6	12:37	58.80				SIZ	—	—	11	37.308	116.543	0.2	A	104	3.60	0.30	HSF	—	—	—	—	—	1.8	HSF	—	—	—	—	
1970	8	4:0	20.00				SIZ	—	—	7	37.152	116.590	0.6	C	169	3.00*	—	HSF	—	—	—	—	—	1.1	HSF	—	—	—	—	
1970	9	2:7	15.80				SIZ	—	—	6	37.210	116.543	0.6	B	124	2.40	1.30	HSF	—	—	—	—	—	—	0.7	HSF	—	—	—	
1970	10	13:16	47.50	SIZ	—	—	8	37.298	116.547	0.3	B	129	3.30	0.30	HSF	—	—	—	—	—	—	1.2	HSF	—	—	—	—			
1970	13	15:5	1.48	SIZ	—	—	—	37.110	116.075	—	—	—	8.00*	—	GDY	—	—	—	—	—	3.8	PAS	—	—	—	3.8	GDY			
1970	14	10:44	39.10	SIZ	—	—	7	37.285	116.557	0.9	B	159	3.60	1.00	HSF	—	—	—	—	—	—	1.1	HSF	—	—	—	—			
1970	14	11:41	51.85	SIZ	—	—	5	37.305	117.706	—	—	—	3.00*	—	PHM	—	—	—	—	—	—	—	—	—	—	—	—			
1970	14	15:22	21.00	CSNL	—	—	22	36.900	115.700	—	—	—	3.00*	—	ISC	—	—	—	—	—	—	—	—	—	—	4.4	ISC			
1970	16	17:46	3.70	SIZ	—	—	9	37.158	116.665	1.2	C	151	3.00*	—	HSF	—	—	—	—	—	—	0.8	HSF	—	—	—	—			
1970	17	1:35	38.60	SIZ	—	—	4	37.328	116.402	—	D	178	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	—	—	—			
1970	17	5:17	48.10	SIZ	—	—	7	37.285	116.553	0.4	B	159	3.50	0.50	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—			
1970	17	19:1	41.19	SIZ	—	—	—	36.009	117.984	—	B	—	8.00*	—	PAS	—	—	—	—	—	—	—	—	—	—	—	—			
1970	18	11:3	54.50	SIZ	1.54	—	8	37.686	117.383	—	—	—	—	—	RYN	—	—	—	—	—	—	2.7	PAS	—	—	2.9	PAS			
1970	19	14:17	18.60	SIZ	—	—	12	37.305	116.552	0.3	A	88	4.20	0.30	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—			
1970	19	16:25	55.90	SIZ	—	—	11	37.290	116.547	0.3	A	119	3.60	0.30	HSF	—	—	—	—	—	—	1.8	HSF	—	—	—	—			
1970	19	16:49	10.50	SIZ	—	—	12	37.305	116.553	0.3	A	89	4.30	0.30	HSF	—	—	—	—	—	—	—	—	—	—	—	—			
1970	21	11:11	22.90	SIZ	—	—	11	37.302	116.557	0.3	A	88	4.10	0.30	HSF	—	—	—	—	—	—	1.9	HSF	—	—	—	—			
1970	21	11:30	1.90	SIZ	—	—	11	37.300	116.555	0.2	A	85	4.20	0.20	HSF	—	—	—	—	—	—	2.0	HSF	—	—	—	—			
1970	21	14:55	53.00	SIZ	—	—	5	37.053	116.653	3.5	D	280	3.00*	—	HSF	—	—	—	—	—	—	—	—	—	—	—	—			
1970	23	2:7	6.00	SIZ	—	—	7	37.361	117.698	—	—	—	3.00*	—	PHM	—	—	—	—	—	—	0.5	PHM	—	—	—	—			
1970	23	13:10	0.40	SIZ	—	—	6	37.285	116.552	0.9	B	159	3.20	1.10	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—			
1970	23	17:19	44.70	SIZ	—	—	6	37.283	116.552	0.5	B	153	3.10	0.70	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—			
1970	28	8:44	45.46	SIZ	—	—	6	37.458	117.947	—	—	—	7.60	—	PHM	—	—	—	—	—	—	0.6	PHM	—	—	—	—			
1970	29	14:49	2.00				5	37.485	117.985	—	—	—	—	—	6.60	—	PHM	—	—	—	—	—	—	—	—	—	—	—	—	
1970	30	3:13	8.90				8	38.306	117.454	—	—	—	—	—	—	—	RYN	—	—	—	—	—	—	2.6	RYN	—	—	—	—	
1970	31	16:34	27.53				6	37.468	117.949	—	—	—	—	—	9.50	—	PHM	—	—	—	—	—	—	—	0.4	PHM	—	—	—	—
1970	NOV	1	19:10				22.80	—	—	—	36.203	117.915	—	B	—	8.00*	—	PAS	—	—	—	—	—	—	—	—	—	—	—	—
1970	2	23:53	7.40	SIZ	—	—	7	37.145	116.243	1.9	C	268	2.70	1.00	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—			
1970	3	2:12	28.00	SIZ	—	—	4	37.175	116.605	—	D	194	3.00*	—	HSF	—	—	—	—	—	—	0.1	HSF	—	—	—	—			
1970	3	2:19	9.60				9	37.177	116.602	0.4	B	140	3.60	0.80	HSF	—	HSF	—	—	—	—	—	—	2.1	HSF	—	—	—	—	
1970	3	2:51	11.80				6	37.303	116.383	0.2	B	137	3.90	0.40	HSF	—	HSF	—	—	—	—	—	—	0.6	HSF	—	—	—	—	
1970	5	16:41	25.00				9	37.521	115.306	—	—	—	—	—	—	—	RYN	—	—	—	—	—	—	—	—	—	—	—	—	
1970	5	16:1	0.00				2	37.000	116.000	—	—	—	—	—	—	—	—	ISC	—	—	—	—	—	—	—	—	—	4.5	ISC	
1970	6	0:2	11.70	CSNL	—	—	7	37.100	116.488	1.5	D	257	3.00*	—	HSF	—	—	—	—	—	—	0.9	HSF	—	—	—	—			

SCB HISTORICAL HYPOCENTER SUMMARY 1968-1978

DATE		ORIGIN TIME			HYPOCENTER					INTENSITY		MAGNITUDE															
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1970	NOV	7	2:52:47.72				9	37.378	117.728				3.00*		PHM							1.1	PHM				
1970		7	22:41:52.02				5	37.341	117.698				3.00*		PHM												
1970		8	7:28:29.20		SIZ		5	37.262	116.570	2.6	C	104	2.20*		HSF							0.6	HSF				
1970		8	20:7:44.40		SIZ		5	37.297	116.550	1.6	D	193	3.00*		HSF												
1970		9	8:32:39.20		SIZ		5	37.285	116.555	0.3	C	161	3.00*		HSF							0.1	HSF				
1970		10	22:49:24.50		SIZ		13	37.123	116.267	0.7	B	225	4.00	0.40	HSF							1.8	HSF				
1970		12	22:56:9.10		SIZ		8	37.295	116.563	0.4	B	212	3.90	0.30	HSF							1.8	HSF				
1970		13	1:58:47.60				5	37.058	116.440	2.4	D	227	3.00*		HSF							0.9	HSF				
1970		13	2:37:41.10				6	37.070	116.430	0.6	B	219	7.60	1.60	HSF							0.7	HSF				
1970		13	10:13:9.00				6	37.060	116.430	1.5	C	226	8.30	4.70	HSF							0.5	HSF				
1970		14	2:43:34.00				14	37.045	116.443	0.8	D	227	3.00*		HSF							2.2	HSF				
1970		14	3:9:39.30				9	37.060	116.440	1.0	D	226	3.00*		HSF							1.2	HSF				
1970		15	7:56:39.00		SIZ		5	37.287	116.548	0.6	C	166	3.00*		HSF							0.7	HSF				
1970		15	9:3:36.70		SIZ		5	37.287	116.548	0.6	C	165	3.00*		HSF							0.7	HSF				
1970		15	11:1:55.59				5	37.251	117.673				3.00*		PHM							1.6	PHM				
1970		15	14:44:48.30		SIZ		6	37.283	116.552	2.3	C	305	3.20	0.60	HSF							2.0	HSF				
1970		16	9:5:18.20		SIZ		6	37.283	116.560	0.4	C	239	3.20	0.40	HSF							1.4	HSF				
1970		16	12:4:32.60		SIZ		7	37.287	116.565	0.3	C	243	2.70	0.20	HSF							1.9	HSF				
1970		17	21:24:13.70				5	37.007	116.572	0.8	D	266	3.00*		HSF							0.9	HSF				
1970		19	15:0:0.00		SIZ		16	37.000	116.000				8.00*		ISC												
1970		19	15:23:50.82		CSNL			36.877	116.134				3.00*		GDY												
1970		19	23:7:40.88				6	37.459	117.861				3.00*		PHM							0.1	HSF				
1970		22	0:5:2.00		SIZ		5	37.280	116.563	0.6	C	157	3.00*		HSF							0.2	HSF				
1970		23	0:41:56.50		SIZ		6	37.173	116.472	0.6	B	141	10.80	2.30	HSF												
1970		25	8:32:13.03				6	37.469	117.952				11.30		PHM							0.6	PHM				
1970		25	21:49:33.80			1.51	8	37.965	116.283				3.00*		RYN						3.1	RYN					
1970		27	6:40:20.90		SIZ		5	37.253	116.490	0.5	C	91	3.00*		HSF							0.4	HSF				
1970	DEC	1	9:24:15.10		SIZ		8	37.283	116.562	0.8	D	232	3.00*		HSF						2.5	RYN					
1970		1	10:47:46.90		SIZ		10	37.290	116.558	0.4	A	75	4.10	0.40	HSF							2.1	HSF				
1970		1	11:38:9.70		SIZ		8	37.290	116.560	0.5	A	97	3.90	0.70	HSF							1.7	HSF				
1970		1	13:8:5.80		SIZ		4	37.292	116.555		D	177	3.00*		HSF							1.2	HSF				
1970		1	14:12:33.70		SIZ		5	37.282	116.560	0.3	C	152	3.00*		HSF							0.7	HSF				
1970		2	12:23:34.67		LM			36.032	114.719				8.00*		GDY												
1970		3	15:6:59.40			1.48	7	37.152	115.524				3.00*		RYN						3.4	PDX					
1970		3	15:7:3.70		SIZ		6	37.120	116.268	1.9	D	226	3.00*		HSF							2.7	HSF				
1970		5	1:15:12.40		SIZ		6	37.163	116.375	0.8	B	104	3.50	1.50	HSF							0.3	HSF				
1970		6	2:58:10.60		SIZ		5	37.282	116.563	0.3	C	153	3.00*		HSF												
1970		6	10:45:13.40		SIZ		12	37.290	116.562	0.2	A	74	3.90	0.20	HSF							2.2	HSF				
1970		6	18:27:25.80		SIZ		8	37.175	116.473	0.3	B	141	10.20	0.90	HSF							0.4	HSF				
1970		8	4:15:34.93				6	37.442	117.825				8.60		PHM							0.8	PHM				
1970		10	11:8:53.50		SIZ		7	37.298	116.528	0.4	B	78	2.70	0.70	HSF							1.8	HSF				
1970		14	1:55:50.80		SIZ		5	37.285	116.563	0.3	C	156	2.40*		HSF							0.1	HSF				
1970		15	17:47:57.40		SIZ		10	37.293	116.558	0.2	B	131	4.20	0.20	HSF							1.7	HSF				
1970		15	18:11:45.70		SIZ		5	37.290	116.558	0.6	C	174	3.00*		HSF							0.1	HSF				
1970		16	0:39:47.90		SIZ		6	37.103	116.300	0.9	C	193	3.00*		HSF							1.1	HSF				
1970		16	16:13:0.00		CSNL			37.100	116.000						ISC												
1970		16	16:32:0.00		CSNL			37.100	116.000						ISC												
1970		17	2:17:45.10		SIZ		6	37.283	116.553	0.4	B	156	2.80	0.90	HSF							1.0	HSF				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE															
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	MD	REF	mb	REF	OTH	REF
1970 DEC 17	17	23:13	40	SIZ	—	5	37.295	116.555	0.5	D	183	3.00*	—	HSF	—	—	—	—	0.7	HSF	—	—	—	—
1970 DEC 17	17	13:27	0.30	SIZ	—	7	37.257	116.550	0.5	C	170	3.00*	—	HSF	—	—	—	—	0.6	HSF	—	—	—	—
1970 DEC 17	17	16:20	44.00	CSNL	—	5	36.500	116.500	—	—	—	—	—	ISC	—	—	—	—	—	—	—	—	—	—
1970 DEC 18	4	1:25	00	LM	—	—	36.000	114.800	—	A	—	3.00*	—	BRP	—	—	—	2.6	PDX	—	—	—	2.6	KKG
1970 DEC 18	8	8:21	30.00	LM	—	—	36.000	114.800	—	A	—	7.00*	—	BRP	—	—	—	3.0	PDX	—	—	—	—	—
1970 DEC 18	9	9:18	34.20	LM	—	—	35.990	114.788	—	—	—	8.00*	—	GDY	4	BRP	3.0	BRP	—	—	3.7	PDX	3.7	GDY
1970 DEC 18	11	0:52	60	LM	—	—	36.000	114.800	—	A	—	3.00*	—	BRP	—	—	—	2.3	PDX	—	—	—	2.3	KKG
1970 DEC 18	12	35:30	70	—	—	6	37.195	116.595	0.4	B	122	3.70	0.70	HSF	—	—	—	—	0.3	HSF	—	—	—	—
1970 DEC 23	23	24:15	30	—	—	12	37.483	116.607	0.9	C	279	11.80	1.00	HSF	—	—	—	—	1.8	HSF	—	—	—	—
1970 DEC 25	11	27:4	27	—	—	—	36.117	117.599	—	—	—	8.00*	—	GDY	—	—	—	3.1	PAS	—	—	—	3.1	GDY
1970 DEC 28	6	47:40	15	—	—	—	35.735	117.374	—	C	—	8.00*	—	PAS	—	—	—	2.9	PAS	—	—	—	—	—
1970 DEC 29	7	16:3	20	—	—	6	37.087	116.450	0.4	D	241	0.60*	—	HSF	—	—	—	—	0.9	HSF	—	—	—	—
1970 DEC 29	15	30:36	20	SIZ	—	8	37.317	116.545	0.7	B	219	3.70	0.40	HSF	—	—	—	—	0.8	HSF	—	—	—	—
1970 DEC 30	5	57:49	60	SIZ	—	11	37.288	116.557	0.5	A	72	2.80	0.80	HSF	—	—	—	—	2.0	HSF	—	—	—	—
1970 DEC 30	13	4:48	80	—	—	—	35.725	117.572	—	—	—	8.00*	—	GDY	5	PDX	3.7	BRP	—	—	4.8	PDX	4.6	PDX
1970 DEC 30	16	25:42	74	—	—	—	35.864	117.588	—	C	—	8.00*	—	PAS	—	—	—	2.6	PAS	—	—	—	—	—
1970 DEC 31	4	52:8	40	SIZ	—	5	37.332	116.452	0.7	D	270	3.00*	—	HSF	—	—	—	—	0.6	HSF	—	—	—	—
1970 DEC 31	13	52:50	56	—	—	—	35.783	117.583	—	C	—	8.00*	—	PAS	—	—	—	3.2	PAS	—	—	—	—	—
1971 JAN 1	6	7:47	79	—	—	10	37.276	117.941	—	—	—	1.10	—	PHM	—	—	—	—	1.3	PHM	—	—	—	—
1971 JAN 2	2	19:13	00	—	—	—	35.737	117.535	—	C	—	8.00	—	PAS	—	—	—	2.8	PAS	—	—	—	—	—
1971 JAN 2	2	37:50	30	—	—	—	35.806	117.532	—	C	—	3.00*	—	PAS	—	—	—	3.0	PAS	—	—	—	—	—
1971 JAN 2	2	51:35	53	—	—	6	37.348	117.934	—	—	—	8.00*	—	PHM	—	—	—	—	0.9	PHM	—	—	—	—
1971 JAN 2	7	59:8	00	—	—	—	35.889	117.554	—	A	—	8.00	—	PAS	—	—	—	2.8	PAS	—	—	—	—	—
1971 JAN 2	11	19:28	70	—	—	—	35.867	117.506	—	C	—	8.00	—	PAS	—	—	—	3.0	PAS	—	—	—	—	—
1971 JAN 4	5	37:56	40	—	—	—	35.882	117.543	—	C	—	8.00	—	PAS	—	—	—	3.0	PAS	—	—	—	—	—
1971 JAN 9	1	43:20	55	—	—	—	35.805	117.557	—	B	—	8.00*	—	PAS	—	—	—	3.1	PAS	—	—	—	—	—
1971 JAN 9	16	52:46	67	—	—	—	35.711	117.549	—	B	—	8.00*	—	PAS	—	—	—	3.2	PAS	—	—	—	—	—
1971 JAN 15	22	33:30	13	—	—	—	35.875	117.461	—	B	—	8.00*	—	PAS	—	—	—	—	—	—	—	—	—	—
1971 JAN 21	3	2:49	92	—	—	—	35.777	117.579	—	B	—	8.00*	—	PAS	—	—	—	2.7	PAS	—	—	—	—	—
1971 JAN 21	5	38:20	98	—	—	—	35.806	117.545	—	C	—	8.00*	—	PAS	—	—	—	3.0	PAS	—	—	—	—	—
1971 FEB 2	15	42:3	51	—	—	—	35.906	117.382	—	B	—	8.00*	—	PAS	—	—	—	3.0	PAS	—	—	—	—	—
1971 FEB 10	1	32:20	50	—	0.18	5	38.397	117.859	—	—	—	—	—	RYN	—	—	—	3.0	RYN	—	—	—	—	—
1971 FEB 10	4	39:45	30	—	0.15	5	38.354	117.841	—	—	—	—	—	RYN	—	—	—	2.2	RYN	—	—	—	—	—
1971 FEB 11	12	31:37	63	—	—	—	36.640	117.170	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1971 FEB 12	17	3:59	75	—	—	—	37.158	114.838	—	—	—	8.00*	—	GDY	—	—	—	—	—	—	—	—	—	—
1971 FEB 13	1	36:21	22	—	—	—	36.390	117.330	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1971 FEB 14	7	37:58	56	—	—	—	37.280	116.550	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1971 FEB 16	9	11:49	57	—	—	—	36.530	116.220	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1971 FEB 20	10	48:49	20	—	—	—	38.500	116.710	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1971 FEB 22	13	57:15	13	—	—	—	36.075	117.749	—	—	—	8.00*	—	GDY	—	—	—	—	—	—	—	—	—	—
1971 MAR 1	3	47:18	96	—	—	—	37.330	117.640	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1971 MAR 1	5	56:6	53	—	—	—	37.810	117.890	—	—	—	16.50	—	KKG	—	—	—	—	—	—	—	—	—	—
1971 MAR 1	6	18:58	56	—	—	—	37.890	117.860	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1971 MAR 1	10	16:11	22	—	—	—	37.830	117.910	—	—	—	20.00	—	KKG	—	—	—	—	—	—	—	—	—	—
1971 MAR 3	3	27:44	30	—	—	—	37.010	117.500	—	—	—	10.80	—	KKG	—	—	—	—	—	—	—	—	—	—
1971 MAR 5	1	27:41	24	—	—	—	37.390	115.420	—	—	—	20.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1971 MAR 8	13	24:23	77	LM	—	—	35.920	114.780	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1971 MAR 8	21	4:52	27	SIZ	—	—	37.280	116.550	—	—	—	—	—	KKG	—	—	—	—	—	—	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER					INTENSITY		MAGNITUDE								
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS REF	ML REF	MD REF	mb REF	OTH REF
1971 MAR 8	21:12:42	34		SIZ	—	—	37.280	116.590	—	—	—	19.40	—	—	—	—	—	—	—	—
1971 MAR 9	17:41:48	85	35.670				115.730	0.00*				—	—	—	—	—				
1971 MAR 12	11:23:59	60	37.310				117.740	0.00*				—	—	—	—	—				
1971 MAR 13	23: 1:31	90	37.160				117.350	0.00*				—	—	—	—	—				
1971 MAR 16	18: 2:43	73		SIZ	—	—	37.250	116.420	—	—	—	5.00*	—	—	—	—	—	—	—	—
1971 MAR 17	9:27:34	70	37.270				116.580	1.00*				—	—	—	—	—				
1971 MAR 21	13:55:27	99		SIZ	—	—	37.100	116.240	—	—	—	4.50	—	—	—	—	—	—	—	—
1971 MAR 24	0:44:48	93	36.380				117.330	0.00*				—	—	—	—	—				
1971 MAR 25	10:17:16	10	36.700				115.730	0.00*				—	—	—	—	—				
1971 MAR 25	19:30:46	67	35.810				117.570	0.00*				—	—	—	—	—				
1971 MAR 26	16:45: 0	00		SIZ	—	—	37.000	116.000	—	—	—	5.00*	—	—	—	—	—	—	—	—
1971 MAR 27	17:32:37	02	36.670				115.480	0.00*				—	—	—	—	—				
1971 MAR 27	20:18:26	26		LM	—	—	35.910	117.240	—	—	—	14.20	—	—	—	—	—	—	—	2.1 GDY
1971 MAR 29	13:22:36	01	35.980				114.710	6.20				—	—	—	—	—				
1971 MAR 29	0: 2:56	15	35.980				117.030	20.60				—	—	—	—	—				
1971 MAR 29	3: 6: 3	81	37.080				116.010	0.00*				—	—	—	—	—				
1971 MAR 30	7:54:26	87		SIZ	—	—	36.200	117.810	—	—	—	0.00*	—	—	—	—	—	—	—	—
1971 MAR 30	18: 7:50	59	37.150				116.550	8.60				—	—	—	—	—				
1971 MAR 30	19:25:21	95					35.940	117.570				0.00*	—	—	—	—				
1971 MAR 30	22:28:47	39	37.480				115.400	10.00*				—	—	—	—	—				
1971 MAR 31	20: 5: 8	41		SIZ	—	—	37.050	116.490	—	—	—	0.00*	—	—	—	—	—	—	—	—
1971 MAR 31	2:12:35	19	35.910				115.010	0.00*				—	—	—	—	—				
1971 MAR 31	8:28:34	75	37.080				116.210	20.00*				—	—	—	—	—				
1971 MAR 31	22: 7: 3	40	80				38.416	117.932				15.00*	—	—	—	—				
1971 MAR 31	23: 0:29	1.00		SIZ	—	—	37.000	116.000	—	—	—	5.00*	—	—	—	—	—	—	—	—
1971 MAR 31	11:26:37	91	37.080				115.950	0.00*				—	—	—	—	—				
1971 MAR 31	24: 5:32	20	00				38.063	117.980				—	—	—	—	—				
1971 MAR 31	9:58:34	06	0.09				4	37.300				117.900	—	—	—	—				
1971 MAR 31	19:21:12	33		SIZ	—	—	37.220	116.600	—	—	—	6.50	—	—	—	—	—	—	—	—
1971 MAR 31	20:55: 8	83	37.100				117.440	0.00*				—	—	—	—	—				
1971 MAR 31	19: 0: 0	00		HE	—	13	37.122	116.333	—	—	—	—	—	—	—	—	—	—	—	—
1971 MAR 31	0:23:13	65	35.920				115.510	0.00*				—	—	—	—	—				
1971 MAR 31	1:10:22	39	37.310				117.080	0.00*				—	—	—	—	—				
1971 MAR 31	1:14:25	22	37.300				117.100	0.00*				—	—	—	—	—				
1971 MAR 31	1:15:31	73		SIZ	—	—	37.310	117.140	—	—	—	0.00*	—	—	—	—	—	—	—	—
1971 MAR 31	6:12:55	83	37.140				117.350	0.00*				—	—	—	—	—				
1971 MAR 31	22:32:39	35		LM	—	—	36.450	114.500	—	—	—	5.00*	—	—	—	—	—	—	—	—
1971 MAR 31	0:22:23	40	37.170				117.390	5.00*				—	—	—	—	—				
1971 MAR 31	20:56:31	93	36.440				115.660	0.00*				—	—	—	—	—				
1971 MAR 31	8:29:29	08	37.130				117.380	0.00*				—	—	—	—	—				
1971 MAR 31	0: 4:58	94		SIZ	—	—	37.520	117.940	—	—	—	13.80	—	—	—	—	—	—	—	—
1971 MAR 31	2:47:21	17	37.540				117.940	13.10				—	—	—	—	—				
1971 MAR 31	10: 8:44	28	46	SIZ	—	—	37.290	116.870	—	—	—	5.00*	—	—	—	—	—	—	—	—
1971 MAR 31	17:11:55	90	37.581				117.963	—				—	—	—	—	—				
1971 MAR 31	23:40:34	90	37.177				116.750	—				—	—	—	—	—				
1971 MAR 31	15:44:31	26	37.260				117.610	—				—	—	—	—	—				
1971 MAR 31	18:46:17	50		SIZ	—	—	35.967	117.753	—	—	—	8.00*	—	—	—	—	—	—	—	—
1971 MAR 31	19:13:26	88	36.480				116.810	0.00*				—	—	—	—	—				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE											
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	MB	REF	OTH	REF
1971	MAY	23	19:49:34.03						36.510	116.790				0.00*		KKG								2.6 GDY
1971		24	4:10:31.15						36.080	117.640				5.00*		KKG			2.6 PAS					
1971		24	5:20:30.59						36.130	117.868				8.00*		PAS			2.9 PAS					
1971	JUN	5	1:14:4.60					4	38.478	117.847						RYN			2.0 RYN					
1971		10	0:17:25.57						35.660	116.630				10.00*		KKG								
1971		11	7:18:31.30						37.270	117.900				10.00*		KKG								
1971		19	7:54:58.98						36.620	115.980				8.30		KKG								
1971		23	15:29:0.09				SIZ		37.090	116.000				0.00*		KKG								
1971		24	10:30:13.00					8	37.100	117.900						BRK			3.2 BRK					
1971		24	14:45:24.98						35.975	117.932				1.00*		PAS			2.3 PAS					
1971		26	5:19:0.30						35.870	116.720				8.00*		KKG			3.3 PAS					3.3 GDY
1971		28	19:04:45.39						36.760	116.280				5.40		KKG								
1971		30	11:16:30.90						37.340	116.070				0.00*		KKG								
1971	JUL	6	6:53:35.78				SIZ		37.280	116.550				0.00*		KKG								
1971		6	7:23:32.25				SIZ		37.510	116.560				0.00*		KKG								
1971		6	19:22:40.12						37.510	116.530				15.00*		KKG	4	BRP	3.0 BRP	3.3 RYN		3.6 KKG		3.6 GDY
1971		7	4:8:10.62				SIZ		36.730	116.040				6.20		KKG								
1971		7	9:44:35.27						37.780	116.190				38.70		KKG				2.5 RYN				
1971		9	14:0:2.40				SIZ		37.037	116.143				15.00*		ISC								
1971		14	22:29:39.43				SIZ		37.210	116.200				9.00		KKG								
1971		14	23:27:44.22						35.820	115.320				10.00*		KKG								
1971		17	20:2:8.63						37.120	115.830				12.90		KKG								
1971		21	19:36:10.80					6	38.417	117.841						RYN			2.1 RYN					
1971		24	8:9:45.10					5	35.610	117.993						RYN								
1971		24	14:55:30.50						35.919	117.280				8.00*		GDY			2.9 PAS					2.9 GDY
1971		25	23:47:59.29						36.960	117.760				7.50		KKG								
1971		27	2:11:52.28						36.840	115.920				10.00*		KKG								
1971		28	11:14:59.15						37.690	116.000				10.00*		KKG			2.0 RYN					
1971		29	5:19:29.20						36.740	116.260				0.00*		KKG								
1971		29	5:40:9.50						35.710	116.490				15.40		KKG			3.2 PAS					2.8 GDY
1971		31	0:15:10.59						37.430	115.090				0.00*		KKG								
1971	AUG	5	17:58:17.66				SIZ	0.18	36.916	115.990	0.8	B	92	4.60	2.80	FPH	4	KKG	4.0 BRP	4.8 RYN	3.5 FPH	4.3 KKG	4.5 KKG	
1971		5	18:13:25.62				SIZ		36.910	115.990				0.00*		KKG								
1971		5	18:18:11.18				SIZ	0.09	36.886	116.000	0.8	C	173	6.10	4.00	FPH					2.6 FPH			
1971		5	18:41:40.41				SIZ	0.09	36.915	115.984	7.2	D	282	6.80	6.80	FPH					1.3 FPH			
1971		5	18:43:9.14				SIZ		36.910	115.980				2.90		KKG								
1971		5	18:44:5.09				SIZ		36.930	115.980				5.00		KKG								
1971		5	18:53:13.09				SIZ		36.910	115.980				0.00*		KKG								
1971		5	18:55:35.91				SIZ		36.890	115.980				6.00		KKG								
1971		5	19:8:13.00				SIZ		36.910	115.960				4.30		KKG								
1971		5	19:15:4.35				SIZ		36.920	115.980				10.00		KKG								
1971		5	19:16:12.91				SIZ	0.06	36.901	115.992	1.3	C	174	9.70	1.50	FPH					1.7 FPH			
1971		5	19:17:29.40				SIZ		36.910	115.960				0.00*		KKG								
1971		5	19:24:9.88				SIZ		36.910	115.990				5.90		KKG								
1971		5	19:36:29.34				SIZ		36.910	115.960				2.70		KKG								
1971		5	20:2:15.67				SIZ	0.13	36.894	116.010	0.9	B	114	10.00	1.40	FPH					2.2 FPH			
1971		5	20:8:2.48				SIZ		36.920	116.010				0.00*		KKG								
1971		5	20:46:36.89				SIZ	0.16	36.897	116.010	1.1		114	7.70	2.20	FPH	4	BRP	3.0 BRP		3.0 FPH	3.9 KKG		

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE															
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF	
1971	AUG	5	20:47:38.03					38.030	115.990				0.00*												
1971		5	20:56:16.38		SIZ			36.900	115.980				6.20												
1971		5	21:41:36.09		SIZ			36.910	115.970				-0.10												
1971		5	22:20:2.91		SIZ	0.49	13	36.893	115.938	2.5	C	81	9.00	3.90	FPH				3.1	FPH					
1971		5	22:41:41.59		SIZ	0.09	9	36.889	115.986	0.7	B	119	10.40	1.40	FPH				2.8	FPH					
1971		5	22:43:40.99		SIZ	0.13	10	36.890	116.006	0.9	B	115	10.00	1.70	FPH			3.3	RYN	2.9	FPH				
1971		5	22:56:16.85		SIZ			36.900	115.990				0.00*												
1971		5	23:6:34.60		SIZ	0.11	8	36.909	116.009	1.2	C	163	8.50	1.40	FPH				1.5	FPH					
1971		6	0:1:19.17		SIZ			36.910	116.020				6.40												
1971		6	0:6:53.61		SIZ	0.04	5	36.909	116.009	1.4	C	216	10.40	1.10	FPH				1.8	FPH					
1971		6	0:11:42.09		SIZ			36.890	115.970				5.20												
1971		6	0:27:47.09		SIZ	0.10	5	36.909	116.000	28.6	D	286	7.10	23.40	FPH				1.9	FPH					
1971		6	0:31:33.74		SIZ			36.900	115.990				6.80												
1971		6	0:55:49.47		SIZ	0.12	8	36.879	116.000	2.0	C	229	10.40	1.70	FPH				1.8	FPH					
1971		6	0:56:50.21		SIZ			36.890	115.980				7.80												
1971		6	0:58:17.70		SIZ	0.03	4	36.919	115.997	0.4	C	275	6.60						1.3	FPH					
1971		6	1:31:26.03		SIZ			36.900	116.030				6.70												
1971		6	1:42:50.06		SIZ			36.880	115.990				6.20												
1971		6	1:47:3.80		SIZ	0.09	7	36.888	116.004	2.0	C	224	9.20	1.50	FPH				1.7	FPH					
1971		6	2:11:51.81		SIZ			36.870	115.980				5.80												
1971		6	2:41:46.56		SIZ			36.890	115.980				4.50												
1971		6	2:44:23.91		SIZ	0.07	8	36.875	115.998	1.5	C	234	10.30	1.30	FPH				2.1	FPH					
1971		6	3:15:4.09		SIZ	0.05	5	36.866	115.959	2.6	D	248	10.70	2.00	FPH				1.5	FPH					
1971		6	5:41:50.51		SIZ			36.880	115.940				0.00*												
1971		6	6:19:31.12		SIZ			36.900	115.970				10.00												
1971		6	6:28:26.48		SIZ			36.880	115.940				3.00												
1971		6	6:33:52.36		SIZ			36.880	115.970				4.40												
1971		6	7:50:12.23		SIZ			36.890	115.960				1.10												
1971		6	8:39:0.51		SIZ			36.890	115.960				6.80												
1971		6	9:8:12.72		SIZ			36.890	115.980				8.00												
1971		6	10:6:42.35		SIZ			36.900	115.970				8.00												
1971		6	11:6:46.89		SIZ			36.890	115.920				0.00*												
1971		6	21:11:27.60		SIZ			36.900	115.980				0.10												
1971		6	22:38:35.06		SIZ			36.890	115.950				0.00*												
1971		7	1:26:36.82		SIZ			36.890	115.950				0.00*												
1971		7	2:21:12.73		SIZ			36.890	115.980				10.00*												
1971		7	15:36:1.67		SIZ			36.890	115.960				10.00*												
1971		8	2:32:6.55		SIZ	0.02	5	36.898	116.041	0.4		164	9.40	0.50	FPH	4	BRP	3.2	RYN	2.5	FPH	3.7	KKG	3.7	GDY
1971		9	1:52:17.01		SIZ			36.900	115.940				0.00*												
1971		10	0:2:25.58		SIZ			37.430	116.000				6.30												
1971		10	6:21:39.02		SIZ			36.890	115.850				0.00*												
1971		10	8:16:50.75		SIZ			36.890	115.870				0.00*												
1971		11	11:35:47.17		SIZ			36.880	115.960				0.00*												
1971		11	14:20:52.71		SIZ			36.890	115.970				0.00*												
1971		12	0:36:8.42		SIZ			36.910	115.990				5.20												
1971		12	19:53:6.65		SIZ			36.890	115.970				9.60												
1971		15	7:51:41.71		SIZ			36.900	115.990				6.30												
1971		15	17:0:40.99		SIZ			36.910	115.990				10.00												

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE														
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF	
1971 AUG 15	17:43	23	56	SIZ	—	—	36.870	115.930	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 16	4: 1	15	92	—	—	—	37.360	114.680	—	—	—	20.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 16	10:41	52	52	SIZ	—	—	36.910	115.980	—	—	—	3.60	—	KKG	—	—	—	—	—	—	—	—	—	
1971 18	14:38	8	85	—	—	—	36.730	116.080	—	—	—	10.40	—	KKG	—	—	—	—	—	—	—	—	—	
1971 18	15:46	56	46	SIZ	—	—	36.900	115.970	—	—	—	9.90	—	KKG	—	—	—	—	—	—	—	—	—	
1971 18	22:30	38	37	—	—	—	37.980	116.360	—	—	—	10.00*	—	KKG	—	—	2.6	RYN	—	—	—	—	—	
1971 21	20:27	6	26	SIZ	—	—	36.780	115.900	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 22	6:23	47	08	SIZ	—	—	36.910	115.940	—	—	—	0.00*	—	KKG	—	—	2.3	RYN	—	—	—	—	—	
1971 25	2:23	46	30	—	0.51	4	36.816	116.242	—	—	—	—	—	RYN	—	—	2.5	RYN	—	—	—	—		
1971 28	17:49	56	90	—	0.37	6	38.296	116.000	—	—	—	—	—	RYN	—	—	3.9	RYN	—	—	—	3.4	GDY	
1971 28	18:16	0	12	—	—	—	38.210	115.840	—	—	—	8.90	—	KKG	—	—	—	—	—	—	—	—	—	
1971 29	11:31	15	11	—	—	—	36.970	117.430	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 31	3: 9	26	30	—	0.39	7	38.464	117.872	—	—	—	—	—	RYN	—	—	2.7	RYN	—	—	—	—	—	
1971 31	5:57	25	70	—	0.27	6	38.491	117.928	—	—	—	—	—	RYN	—	—	2.6	RYN	—	—	—	—	—	
1971 31	6:52	38	20	—	0.20	5	38.482	117.905	—	—	—	—	—	RYN	—	—	2.3	RYN	—	—	—	—	—	
1971 31	7:11	20	70	—	0.24	5	38.473	117.890	—	—	—	—	—	RYN	—	—	3.1	RYN	—	—	—	—	—	
1971 31	7:14	53	10	—	0.11	4	38.495	117.906	—	—	—	—	—	RYN	—	—	2.2	RYN	—	—	—	—	—	
1971 31	7:24	20	20	SIZ	—	—	36.870	115.940	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 31	17:25	49	60	—	—	—	36.740	117.580	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 4	13:44	28	15	SIZ	—	—	36.900	115.970	—	—	—	3.90	—	KKG	—	—	—	—	—	—	—	—	—	
1971 4	14:28	1	53	SIZ	—	—	36.900	115.970	—	—	—	1.60	—	KKG	—	—	—	—	—	—	—	—	—	
1971 5	3:50	38	36	—	—	—	36.520	116.940	—	—	—	16.70	—	KKG	—	—	—	—	—	—	—	—	—	
1971 5	20:30	16	26	—	—	—	37.300	117.350	—	—	—	20.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 7	8:53	11	58	SIZ	—	—	37.060	116.190	—	—	—	3.30	—	KKG	—	—	—	—	—	—	—	—	—	
1971 10	1: 8	20	70	—	1.62	5	38.425	116.468	—	—	—	—	—	RYN	—	—	2.6	RYN	—	—	—	—	—	
1971 10	6:34	20	19	SIZ	—	—	36.900	115.980	—	—	—	8.10	—	KKG	—	—	—	—	—	—	—	—	—	
1971 10	11:22	24	12	SIZ	—	—	37.020	116.010	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 10	13:39	20	84	SIZ	—	—	37.020	116.020	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 11	23:23	28	60	—	0.06	4	38.262	117.833	—	—	—	13.90	—	RYN	—	—	2.3	RYN	—	—	—	—	—	
1971 13	1:15	46	89	—	—	—	36.620	117.120	—	—	—	—	—	KKG	—	—	—	—	—	—	—	—	—	
1971 13	1:24	32	16	—	—	—	36.620	117.130	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 13	1:42	46	48	—	—	—	36.630	117.130	—	—	—	12.40	—	KKG	—	—	—	—	—	—	—	—	—	
1971 19	15:39	38	59	—	—	—	36.790	115.730	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 22	10:29	50	00	—	—	—	36.500	115.500	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 22	10:39	53	31	—	—	—	35.616	117.872	—	—	—	8.00*	—	GDY	—	—	3.1	PAS	—	—	—	—	3.1	GDY
1971 22	13:59	59	10	SIZ	1.76	6	36.965	115.921	—	—	—	—	—	RYN	—	—	3.9	RYN	—	—	—	—	—	
1971 22	14:46	40	30	—	—	—	37.300	117.340	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 23	11:12	53	66	SIZ	—	—	36.880	115.940	—	—	—	3.90	—	KKG	—	—	—	—	—	—	—	—	—	
1971 26	3:32	43	77	SIZ	—	—	37.340	116.570	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 6	22:23	34	11	SIZ	—	—	36.910	115.950	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 7	5:51	20	17	SIZ	—	—	36.900	115.980	—	—	—	6.10	—	KKG	—	—	—	—	—	—	—	—	—	
1971 7	9:27	58	17	SIZ	—	—	36.880	116.010	—	—	—	0.00*	—	KKG	4	BRP	3.0	BRP	—	—	3.9	KKG	3.9	GDY
1971 7	9:55	22	31	SIZ	—	—	36.890	115.960	—	—	—	9.30	—	KKG	—	—	—	—	—	—	—	—	—	
1971 7	16:21	31	71	SIZ	—	—	36.890	116.020	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 7	21:28	49	84	SIZ	—	—	36.890	116.020	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 10	9:27	25	03	SIZ	—	—	37.200	116.290	—	—	—	1.00	—	KKG	—	—	—	—	—	—	—	—	—	
1971 12	11: 2	1	80	SIZ	—	—	36.870	115.970	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1971 14	14:30	1	02	SIZ	—	—	37.146	116.031	—	—	—	8.00*	—	GDY	5	BRP	4.0	BRP	—	—	4.4	PDX	4.4	GDY

SC8 HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER					INTENSITY		MAGNITUDE														
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	REF	MD	REF	mb	REF	OTH	REF
1971	OCT 17	3:41	45	23	SIZ	—	—	36.910	115.980	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—
1971	OCT 19	21:20	12	60	—	—	—	37.450	117.860	—	—	—	17.50	—	KKG	—	—	—	—	—	—	—	—	—	—	—
1971	OCT 22	7:31	19	79	SIZ	—	—	36.880	115.960	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—
1971	OCT 23	16:13	49	21	—	—	—	36.960	117.020	—	—	—	10.00*	—	KKG	—	—	—	2.2	RYN	—	—	—	—	—	—
1971	OCT 23	20:00	53	63	—	—	—	37.130	117.290	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—
1971	OCT 28	22:17	8	69	—	—	—	36.960	117.520	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—
1971	OCT 28	23:57	58	20	—	0.07	5	37.514	117.915	—	—	—	—	—	RYN	—	—	—	—	—	—	—	—	—	—	
1971	OCT 30	5:42	57	60	—	0.29	5	38.452	117.855	—	—	—	5.00*	—	RYN	—	—	—	2.8	RYN	—	—	—	—	—	
1971	NOV 30	17:11	22	72	SIZ	—	—	36.890	115.970	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	NOV 1	10:08	31	90	—	—	—	36.590	115.190	—	—	—	1.50	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	NOV 1	17:28	43	92	SIZ	—	—	36.890	115.950	—	—	—	8.00*	—	PAS	—	—	—	2.5	PAS	—	—	—	—	—	
1971	NOV 9	13:42	47	04	—	—	—	36.062	117.717	—	A	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1971	NOV 16	23:31	29	91	SIZ	—	—	36.890	116.000	—	—	—	5.30	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	NOV 17	4:23	31	18	SIZ	—	—	36.900	116.010	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	NOV 17	5:29	9	30	SIZ	—	—	36.880	116.000	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	NOV 17	12:50	49	45	—	—	—	37.200	114.600	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	NOV 18	12:53	2	97	—	—	—	37.300	115.250	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	NOV 22	10:50	31	54	—	—	—	37.320	115.290	—	—	—	18.20	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	NOV 22	14:03	33	79	—	—	—	37.720	114.930	—	—	—	13.10	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	NOV 23	0:44	50	01	SIZ	—	—	36.870	115.990	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	NOV 24	9:57	54	80	—	0.98	4	38.500	117.869	—	—	—	—	—	RYN	—	—	—	1.6	RYN	—	—	—	—	—	
1971	NOV 24	20:15	20	00	—	—	—	35.867	117.133	—	D	—	16.00*	—	PAS	—	—	—	3.8	PAS	—	—	—	—	—	
1971	NOV 25	16:24	40	03	—	—	—	37.190	116.690	—	—	—	10.70	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	NOV 25	18:27	25	00	—	0.70	7	37.795	114.950	—	—	—	—	—	RYN	—	—	—	3.7	RYN	—	—	—	—	—	
1971	NOV 28	6:00	6	58	—	—	—	37.170	116.670	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	NOV 30	15:45	1	41	SIZ	—	—	37.136	116.090	—	—	—	8.00*	—	CDY	6	BRP	5.0	BRP	—	—	—	4.7	PDX	4.7	GDY
1971	DEC 3	18:52	54	10	—	0.13	5	38.479	117.855	—	—	—	10.100	—	RYN	—	—	—	4.3	BRK	—	—	—	—	—	
1971	DEC 8	15:23	52	91	—	—	—	37.710	115.080	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	15:26	33	20	—	—	—	37.760	115.090	—	—	—	9.80	—	KKG	—	—	—	—	—	—	—	—	—	3.6	KKG
1971	DEC 8	15:33	44	73	—	—	—	37.720	115.060	—	—	—	—	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	15:33	59	00	—	1.07	5	38.126	115.978	—	—	—	—	—	RYN	—	—	—	3.6	RYN	—	—	—	—	—	
1971	DEC 8	15:41	16	16	—	—	—	37.770	115.070	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	15:43	55	25	—	—	—	37.760	115.070	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	16:02	41	54	—	—	—	37.770	115.080	—	—	—	13.10	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	17:18	40	91	—	—	—	38.330	114.600	—	—	—	0.00*	—	KKG	4	KKG	—	4.7	PAS	—	—	4.8	KKG	4.8	GDY
1971	DEC 8	17:38	6	64	—	—	—	37.710	114.990	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	18:15	12	02	—	—	—	37.730	115.050	—	—	—	0.00*	—	KKG	—	—	—	2.6	RYN	—	—	—	—	—	
1971	DEC 8	18:18	8	08	—	—	—	37.750	115.060	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	18:27	4	57	—	—	—	37.810	114.940	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	18:32	28	02	—	—	—	37.720	115.130	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	19:45	30	92	—	—	—	37.600	114.760	—	—	—	20.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	19:55	1	03	—	—	—	37.730	115.040	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	21:35	12	91	—	—	—	37.710	115.040	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	21:43	29	15	—	—	—	37.720	115.040	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 8	22:46	10	54	—	—	—	37.720	115.050	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 9	0:47	20	65	—	—	—	37.770	115.070	—	—	—	11.60	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 9	0:53	20	41	—	—	—	37.700	114.960	—	—	—	16.50	—	KKG	—	—	—	—	—	—	—	—	—	—	
1971	DEC 9	1:04	24	51	—	—	—	37.720	114.950	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE															
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1971	DEC	9	2:	1:59.78				37.750	115.030				0.00		KKG												
1971		9	2:	41:17.87				37.750	115.040				0.00		KKG												
1971		9	4:	6:1.61				37.710	115.000				0.00		KKG												
1971		9	4:	16:30.56				37.720	115.020				0.00		KKG												
1971		9	6:	51:11.01				37.760	115.040				13.80		KKG												
1971		9	10:	3:12.77				37.700	115.060				0.00		KKG												
1971		9	15:	7:23.74				37.770	115.090				8.80		KKG												
1971		9	15:	42:4.77				37.710	114.950				16.20		KKG												
1971		9	23:	48:18.46				37.740	115.050				17.80		KKG												
1971		11	9:	12:3.11				37.720	115.030				10.00*		KKG												
1971		12	9:	40:17.41				37.720	114.960				13.20		KKG												
1971		12	22:	11:2.30			0.05	5	38.161	116.969					RYN					2.1	RYN						
1971		15	0:	11:1.50			0.26	6	38.053	117.192					RYN					1.7	RYN						
1971		15	4:	36:22.55				36.980	116.900				0.00*		KKG												
1971		15	20:	28:39.98				37.120	116.320				5.00*		KKG					3.0	RYN						
1971		16	10:	5:3.76				37.680	115.020				10.00*		KKG												
1971		17	18:	21:32.63				37.690	115.020				10.00*		KKG												
1971		17	22:	1:45.07				37.730	115.060				10.00*		KKG												
1971		18	1:	34:47.93				36.050	114.760				0.00		KKG												
1971		19	0:	45:53.40			0.03	4	38.169	117.018					RYN					1.9	RYN						
1971		19	11:	24:25.24				37.600	115.090				23.10		KKG												
1971		19	18:	15:54.20				38.000	115.170				23.00		KKG												
1971		24	9:	12:31.73				36.050	114.700				5.00*		KKG												
1971		24	13:	19:12.94				37.650	115.050				5.00*		KKG												
1971		26	0:	12:12.83				37.740	115.060				5.00*		KKG												
1971		26	6:	3:55.30			0.06	5	37.342	114.331					RYN					4.2	RYN				4.1	ISC	GDY
1971		27	0:	43:51.10			0.34	7	38.422	117.831					RYN					2.7	RYN						
1971		28	0:	43:49.47				38.420	117.970				0.00*		KKG												
1971		29	8:	5:6.63				36.390	117.850				0.00*		KKG												
1971		30	8:	44:19.08				36.940	115.970				20.00*		KKG												
1971		30	16:	2:47.60			0.41	5	38.146	117.963					RYN					1.5	RYN						
1972	JAN	2	8:	42:29.08				37.690	114.980				13.60		KKG												
1972		2	16:	35:14.37				36.270	117.330				25.20		KKG												
1972		6	10:	10:40.31				35.740	117.710				5.00*		KKG												
1972		6	23:	59:5.86				37.400	116.080				13.90		KKG												
1972		8	8:	15:19.85				36.600	115.780				0.00*		KKG												
1972		8	12:	22:0.02				36.860	117.560				5.00*		KKG												
1972		8	14:	7:8.08				37.030	116.070				8.30		KKG												
1972		10	14:	18:54.22				37.740	115.090				13.00		KKG												
1972		10	14:	48:30.40				37.750	115.100				14.90		KKG												
1972		10	15:	4:23.26				37.730	115.090				17.10		KKG												
1972		12	7:	32:8.62				37.720	115.120				16.40		KKG												
1972		13	16:	22:34.71				37.330	117.450				20.00		KKG					2.2	RYN						
1972		14	10:	6:9.75				37.770	115.110				0.00*		KKG												
1972		15	20:	51:57.80				36.990	115.980				15.00*		KKG												
1972		19	2:	0:33.30				35.940	115.210				15.00*		KKG												
1972		19	15:	43:58.50				36.960	115.880				10.00*		KKG												
1972		21	22:	36:37.18				36.710	115.320				10.00*		KKG												

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER					INTENSITY		MAGNITUDE																
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1972	JAN 22	0:40:29	57					36.780	115.400				1.00		KKG												
1972	22	23:11:51	60					36.750	115.400				0.00*		KKG												
1972	24	10:59:7	15					37.250	115.900				1.00		KKG												
1972	24	13:30:54	41					36.750	115.460				14.80		KKG					3.6 RYN						3.2 PAS	
1972	26	14:56:22	76					36.110	117.940				0.00*		KKG				1.2 BRP		2.5 PAS						
1972	27	8:45:12	67					36.040	117.960				10.00*		KKG												
1972	28	15:26:51	23					37.230	117.330				15.00		KKG												
1972	30	18:17:57	75					37.210	116.600				0.00		KKG												
1972	FEB 1	13:49:5	93		SIZ			36.920	115.970				3.40		KKG												
1972	6	6:35:40	84		SIZ			36.930	115.980				5.70		KKG												
1972	8	7:51:41	71					36.690	116.340				6.80		KKG												
1972	8	11:17:42	53					36.590	116.600				7.30		KKG												
1972	10	23:47:12	06					35.940	115.510				5.00*		KKG												
1972	14	2:10:17	03		SIZ			37.240	116.520				5.50		KKG												
1972	14	12:5:52	06					36.860	116.270				7.60		KKG												
1972	17	0:35:24	56					37.170	117.570				5.00*		KKG					2.3 RYN							
1972	17	7:55:32	66					37.170	117.560				15.00		KKG	1	BRP	2.1 BRP		3.3 RYN						3.6 BRK	
1972	17	11:57:46	69					37.180	117.540				5.00*		KKG												
1972	17	14:49:30	06					37.130	117.590				10.00*		KKG												
1972	17	19:2:1	61		SIZ			37.144	116.065				8.00*		KGY	5	BRP	4.0 BRP						4.6 PDX		4.6 GDY	
1972	18	7:13:24	32					36.140	117.710				15.00		KKG												
1972	18	13:3:35	67		SIZ			37.150	116.280				0.00		KKG												
1972	19	10:59:1	16		SIZ			36.910	115.970				5.90		KKG												
1972	22	2:33:56	89					36.490	115.620				5.00*		KKG												
1972	22	5:5:4	44					36.950	115.920				12.80		KKG												
1972	24	15:57:24	82					37.010	117.910				0.00*		KKG												
1972	25	13:52:31	33		SIZ			37.300	115.970				16.60		KKG												
1972	25	22:2:37	05					37.280	115.860				10.00*		KKG												
1972	26	0:6:43	64					37.260	117.570				15.00*		KKG												
1972	26	4:19:18	60			0.22	7	38.057	116.930						RYN					2.0 RYN							
1972	26	5:45:49	24					36.340	116.490				25.00*		KKG												
1972	26	23:27:9	17		SIZ			36.840	115.830				25.00*		KKG												
1972	27	14:3:5	36		SIZ			36.740	115.990				14.30		KKG												
1972	28	23:17:42	26					36.410	114.730				12.00		KKG												
1972	MAR 2	7:16:59	80					37.850	115.690				0.00		KKG												
1972	2	10:18:26	62		SIZ			36.740	116.020				5.00*		KKG												
1972	2	10:47:19	71					36.740	115.980				12.10		KKG												
1972	2	10:53:38	50					36.040	117.430				8.70		KKG												
1972	3	13:57:51	23					36.830	116.240				5.00*		KKG												
1972	4	1:55:23	77					35.830	117.800				15.50		KKG	1	BRP	2.1 BRP		3.2 PAS							
1972	4	13:56:52	13					36.870	116.260				8.20		KKG												
1972	4	18:17:38	93					36.000	115.470				0.00		KKG												
1972	7	3:9:57	38					36.510	117.000				17.90		KKG												
1972	10	3:43:13	41		SIZ			37.190	116.310				0.00		KKG												
1972	10	10:1:22	60					37.460	115.540				10.00*		KKG												
1972	10	11:32:36	51					37.050	116.700				0.00		KKG												
1972	11	15:2:52	53					37.460	114.620				0.00*		KKG												
1972	11	16:21:28	64		SIZ			37.240	116.390				0.00		KKG												

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER					INTENSITY		MAGNITUDE																	
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1972 MAR 12		9:34:46.83						37.010	117.660				5.00*		KKG													
1972 12		12:18:42.59						37.010	117.640				5.00*		KKG													
1972 13		0:38:23.50				0.32	12	38.463	117.888						KKG					2.5	RYN							
1972 13		13:35:13.84						35.980	118.000				1.00*		RYN													
1972 15		4:29:39.57						36.490	117.660				15.70		KKG													
1972 15		23:19:42.39						35.810	115.310				0.00		KKG													
1972 16		3: 9: 0.65						35.640	117.760				10.00*		KKG													
1972 17		5:49:58.44			SIZ			37.350	116.550				5.00*		KKG													
1972 17		8:35:45.91						37.110	116.990				12.20		KKG													
1972 17		18: 7:42.80				0.48	5	38.460	117.841						RYN					1.8	RYN							
1972 18		0:10:33.32						36.170	117.540				25.00*		KKG													
1972 18		15:56:40.04			LM			35.920	114.970				0.00*		KKG													
1972 20		23:18:42.19						36.330	114.930				18.00		KKG		1	BRP	2.4	BRP	3.4	PAS					3.4	KKG
1972 21		1:21:11.78						35.980	117.880				8.40		KKG													
1972 21		1:27:23.37						36.340	117.860				4.50		KKG													
1972 21		1:36: 1.75			SIZ			37.030	116.010				0.00		KKG													
1972 22		16: 4:28.80						37.701	114.583						RYN													
1972 23		20:38:11.28			SIZ			37.250	116.210				13.30		KKG													
1972 25		13:31: 8.41						37.170	117.410				0.00		KKG													
1972 25		13:41:37.55			SIZ			37.290	116.410				0.00*		KKG					3.3	RYN							
1972 25		14:28:35.64			SIZ			37.330	116.410				0.00		KKG													
1972 25		14:30:32.37			SIZ			37.400	116.480				32.10		KKG													
1972 25		14:41:23.14			SIZ			37.360	116.410				0.00		KKG													
1972 25		14:48:13.28			SIZ			37.360	116.410				0.00		KKG													
1972 25		14:57: 8.09			SIZ			36.880	115.960				6.10		KKG													
1972 25		15:37:36.40			SIZ			37.350	116.410				0.00		KKG													
1972 25		15:46:13.26			SIZ			37.320	116.400				11.60		KKG													
1972 25		16:16:53.15			SIZ			37.370	116.410				0.00		KKG													
1972 25		16:22:56.62			SIZ			37.350	116.420				0.00		KKG													
1972 25		17:51:27.66			SIZ			37.220	116.410				17.00		KKG													
1972 25		18:14:45.25			SIZ			37.320	116.400				9.50		KKG													
1972 25		18:15:35.87			SIZ			37.390	116.430				5.00*		KKG													
1972 25		18:20:24.94			SIZ			37.360	116.410				0.00		KKG													
1972 25		18:30:36.19			SIZ			37.220	116.410				14.90		KKG													
1972 25		20:13:44.52			SIZ			37.260	116.410				11.00		KKG													
1972 25		22:26:10.28			SIZ			37.180	116.240				10.00*		KKG													
1972 26		0: 0: 8.10			SIZ			37.350	116.410				0.00		KKG													
1972 26		2: 1:18.87			LM			36.060	114.660				3.50		KKG													
1972 26		2: 7:42.92			SIZ			37.310	116.410				13.40		KKG													
1972 26		7:22:53.07			SIZ			37.310	116.580				29.30		KKG													
1972 26		11:22: 6.42						36.050	117.760				20.00*		KKG													
1972 26		13: 2:55.30						36.090	117.720				15.00*		KKG													
1972 26		23:52:23.02			SIZ			36.890	115.970				9.40		KKG													
1972 28		2:30:43.86			SIZ			37.360	116.420				8.30		KKG													
1972 28		12:37:26.29			SIZ			37.410	116.420				0.00		KKG													
1972 28		23:40:59.41			SIZ			37.210	116.310				0.00		KKG													
1972 29		2:31:28.15						36.420	115.400				5.00*		KKG													
1972 29		5:16:39.15			SIZ			37.320	116.480				24.70		KKG													

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER					INTENSITY		MAGNITUDE																
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1972 MAR 29	13:12: 2.01							36.280	115.440				15.00*		—	—	—	—	—	—	—	—	—	—	—	—	—
1972 MAR 30	8:31:15.11							36.390	115.410				10.00*		—	—	—	—	—	—	—	—	—	—	—	—	—
1972 MAR 30	14: 7:26.44							37.300	114.800				9.40		—	—	—	—	—	—	—	—	—	—	—	—	—
1972 MAR 30	21: 0: 1.20				SIZ			37.000	116.000		A		10.00*		—	5	BRP	4.0	BRP	—	—	—	—	4.6	PDX	—	—
1972 MAR 30	21: 0:17.80					1.44	6	37.684	116.955				—		—	—	—	—	—	—	—	—	—	—	—	—	
1972 MAR 30	22:14:45.30				SIZ			36.950	116.060				8.10		—	—	—	—	—	—	—	—	—	—	—	—	
1972 MAR 30	23:25:57.81				SIZ			37.320	116.400				15.50		—	—	—	—	—	—	—	—	—	—	—	—	
1972 MAR 31	9:48:47.03				SIZ			37.380	116.410				0.00		—	—	—	—	—	—	—	—	—	—	—	—	
1972 MAR 31	11: 1: 9.13				SIZ			37.360	116.400				0.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 MAR 31	13:17:53.72				SIZ			37.400	116.410				0.00		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 1	19:34:11.57							36.440	115.390				15.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 6	8:16:40.87							37.520	117.430				14.70		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 6	9:38:51.30					0.34	8	37.532	117.426				—		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 7	6: 2:44.86				SIZ			37.070	116.150				7.90		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 7	22:21:29.15							36.480	114.690				1.50		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 9	6:41: 0.64							36.870	116.290				4.60		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 9	9:50:22.53				SIZ			37.010	116.130				5.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 9	10: 0:53.43				SIZ			37.010	116.130				5.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 9	15:37:47.42							37.600	117.460				5.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 11	20:51:47.80					0.29	5	38.424	117.840				—		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 11	21:40:12.50					0.14	4	38.417	117.840				—		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 14	23:33:48.75							35.730	116.040				5.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 15	23:38: 1.31							37.900	117.400				15.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 15	23:39:33.43							37.900	117.420				10.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 16	12: 4:25.28							36.990	116.160				5.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 16	14:37: 8.28				SIZ			36.990	116.160				5.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 17	14:39:11.92				SIZ			36.980	116.140				5.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 18	0: 7:25.42				SIZ			37.240	116.520				0.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 19	0:38:28.19							37.340	117.790				5.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 19	8:50:29.45							37.730	115.100				25.50		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 19	13: 7: 1.56							36.720	115.820				5.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 19	21: 6:45.08				LM			36.020	114.760				0.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 19	23: 8:39.04							35.740	115.370				0.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 20	11: 2: 7.25				LM			35.980	114.870				3.80		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 21	5: 7: 8.58							35.998	117.436		C		8.00*		—	—	—	1.7	BRP	2.9	PAS	—	—	—	—	—	
1972 APR 21	8:17:20.79							35.973	117.464		C		8.00*		—	—	—	1.5	BRP	2.7	PAS	—	—	—	—	—	
1972 APR 21	13:43:37.30							36.070	117.550				25.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 21	20:58:39.16							37.530	115.320				25.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 21	22: 8:36.43							36.340	114.890				10.60		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 21	22:48:38.89							37.890	115.210				0.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 21	22:56:38.13							36.350	116.750				20.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 22	4:56: 5.93							37.740	115.970				5.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 22	4:57:54.41							37.780	115.980				5.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 22	6: 0:43.28							37.740	116.060				5.00*		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 22	6:14: 3.57							37.810	116.060				0.00		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 22	15:41:31.09				SIZ			36.900	115.960				4.00		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 23	4:43:17.70							36.140	117.740				8.00		—	—	—	—	—	—	—	—	—	—	—	—	
1972 APR 24	2:12:31.72							37.710	115.040				20.00		—	—	—	—	—	—	—	—	—	—	—	—	

SC8 HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER					INTENSITY			MAGNITUDE															
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1972	APR	25	9:59	9	73	SIZ	—	—	37.220	116.510	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		26	2:12	26	79		—	—	—	37.090	115.830	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		26	8: 9	40	98		—	—	—	37.190	116.800	—	—	—	6.80	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		26	10: 7	52	08		SIZ	—	—	36.740	115.440	—	—	—	0.00	—	—	—	—	—	—	3.0	RYN	—	—	—	—	—
1972		26	14: 0	56	15			—	—	—	36.760	115.950	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—
1972		27	14:21	14	36	—	—	—	37.310	117.590	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		27	14:44	39	14	SIZ	—	—	37.290	117.590	—	—	—	10.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		27	14:51	25	41		—	—	—	37.400	117.760	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	
1972		28	0: 7	25	42		—	—	—	37.240	116.520	—	—	—	12.00	—	—	—	—	—	—	—	—	—	—	—	—	
1972		29	19: 2	32	46		—	—	—	37.640	117.350	—	—	—	10.00*	—	—	—	—	—	—	—	—	—	—	—	—	
1972		30	0: 3	15	10		—	—	—	37.310	114.810	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	
1972		30	18:36	35	30	—	0.27	6	38.459	117.865	—	—	—	—	—	—	—	—	—	—	1.1	RYN	—	—	—	—	—	
1972	MAY	1	12:45	41	05	SIZ	—	—	36.870	115.990	—	—	—	3.50	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		1	13:51	44	81		—	—	—	37.020	116.080	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	
1972		2	14:54	4	96		—	—	—	37.890	115.030	—	—	—	16.80	—	—	—	—	—	—	—	—	—	—	—	—	
1972		2	19:55	8	40		SIZ	—	—	37.270	116.410	—	—	—	11.10	—	—	—	—	—	—	—	—	—	—	—	—	
1972		4	14:22	46	36			—	—	—	37.040	115.830	—	—	—	31.00	—	—	—	—	—	—	—	—	—	—	—	—
1972		4	21:27	40	31	—	—	—	36.810	117.660	—	—	—	15.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		6	6:50	40	89	SIZ	—	—	36.530	117.840	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		6	15:52	48	92		—	—	—	37.180	116.300	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	
1972		7	11:43	51	76		—	—	—	37.280	114.780	—	—	—	17.10	—	—	—	—	—	—	—	—	—	—	—	—	
1972		7	13:30	13	87		—	—	—	37.400	117.120	—	—	—	10.00*	—	—	—	—	—	—	—	—	—	—	—	—	
1972		8	4:31	37	10		—	0.12	6	38.467	117.872	—	—	—	—	—	—	—	—	—	—	1.3	RYN	—	—	—	—	
1972		8	14:56	56	12	SIZ	—	—	37.210	116.030	—	—	—	34.50	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		8	22:41	7	98	SIZ	—	—	35.690	116.060	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		9	3:36	25	70		—	—	—	36.760	115.960	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	
1972		9	15:39	51	66		—	—	—	35.921	117.788	—	B	—	8.00*	—	—	—	—	—	1.2	BRP	—	—	—	—	—	
1972		10	3:24	58	83		—	—	—	37.270	115.220	—	—	—	0.00	—	—	—	—	—	—	2.5	PAS	—	—	—	—	
1972		10	12: 0	0	00		HE	—	—	37.010	116.200	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	
1972		12	18:50	42	15	SIZ	—	—	36.870	115.960	—	—	—	5.40	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		13	1:49	58	00	SIZ	—	—	37.160	116.290	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		13	20:46	40	70		—	0.18	5	38.044	116.213	—	—	—	0.00	—	—	—	—	—	—	2.3	RYN	—	—	—	—	
1972		15	1:59	16	67		—	—	—	37.180	116.740	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	
1972		15	5: 9	39	25		—	—	—	37.230	116.970	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	
1972		15	8:55	22	20		—	0.62	5	37.987	116.079	—	—	—	—	—	—	—	—	—	—	1.9	RYN	—	—	—	—	
1972		15	8:55	23	49	—	—	—	37.170	117.270	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		15	17:17	42	20	SIZ	0.80	5	38.471	116.534	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		16	1:16	58	13		—	—	—	36.340	116.730	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	
1972		16	5:46	30	63		—	—	—	37.130	116.410	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	
1972		16	15:31	30	15		—	—	—	36.740	116.260	—	—	—	10.00*	—	—	—	—	—	—	—	—	—	—	—	—	
1972		16	15:36	37	33		—	—	—	36.760	116.260	—	—	—	15.00*	—	—	—	—	—	—	—	—	—	—	—	—	
1972		16	16:14	8	06	—	—	—	36.720	116.290	—	—	—	10.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		18	12: 0	40	01	SIZ	—	—	37.130	116.100	—	—	—	19.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1972		20	23:44	6	97		—	—	—	35.710	115.990	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	
1972		21	12:26	38	24		—	—	—	37.020	117.400	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	
1972		21	12:30	54	60		—	—	—	37.390	117.170	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	
1972		21	22:24	56	11		—	—	—	37.010	115.630	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	
1972		22	8:57	10	08		—	—	—	37.350	117.260	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	
1972		22					—	—	—			—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER						INTENSITY		MAGNITUDE															
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1972	MAY	22	12:48:	0.60				36.400	114.970				0.00		KKG												
1972		22	16: 3:	40.44	SIZ			37.170	116.190				27.00		KKG												
1972		22	23:28:	56.00	HE			37.120	116.330				0.00*		KKG												
1972		22	23:53:	58.09				36.370	116.770				5.00*		KKG												
1972		23	6:47:	59.60				36.820	117.240				0.00*		KKG												
1972		23	12:57:	11.67	SIZ			36.740	116.000				10.90		KKG												
1972		23	22:15:	38.00	HE			37.120	116.330				0.00*		KKG												
1972		23	22:45:	35.86				37.600	117.540				10.00*		KKG												
1972		24	15:37:	27.41				37.390	117.140				5.00*		KKG												
1972		24	16:59:	48.18				37.200	116.850				0.00		KKG												
1972		24	21:21:	19.00	HE			37.120	116.330				0.00*		KKG												
1972		25	4:34:	59.66				37.390	117.120				0.00		KKG												
1972		25	4:40:	45.47				37.370	117.100				20.00*		KKG												
1972		25	4:42:	36.05				37.290	116.770				0.00		KKG												
1972		25	4:45:	0.11				37.390	117.130				0.00		KKG												
1972		25	5:26:	25.65				37.390	117.070				5.00*		KKG												
1972		25	7: 3:	31.33				37.360	117.020				5.00*		KKG												
1972		25	8:37:	7.35				38.270	117.070				25.00*		KKG												
1972		25	8:59:	28.25	SIZ			37.020	116.160				5.00*		KKG												
1972		25	20:30:	59.00	HE			37.120	116.330				0.00*		KKG												
1972		26	16:47:	12.19				37.110	115.790				20.00*		KKG												
1972		26	18:43:	1.71				36.350	114.870				14.50		KKG												
1972		26	19:15:	42.00	HE			37.120	116.330				0.00*		KKG												
1972		30	9: 1:	34.04				36.720	115.760				7.50		KKG												
1972	JUN	2	8:39:	32.18				36.310	117.910				13.20		KKG												
1972		2	11:46:	22.87				38.500	117.640				5.00*		KKG												
1972		5	8:47:	49.90				35.760	116.240				10.00*		KKG												
1972		5	11: 3:	46.20				36.890	117.520				11.50		KKG												
1972		5	23:59:	54.78				37.218	117.875				8.00*		GDY			1.8 BRP	3.0 BRK							3.0 GDY	
1972		6	0: 0:	56.76				37.180	117.760				10.00*		KKG												
1972		6	0:54:	7.85				37.230	117.840				0.00		KKG												
1972		6	1: 1:	38.20				37.230	117.830				5.00*		KKG												
1972		6	1:10:	55.67				37.230	117.870				10.00*		KKG												
1972		7	22:57:	32.90				35.740	115.990				15.00*		KKG												
1972		9	18:37:	38.43				36.890	114.570				24.30		KKG												
1972		10	15:25:	10.59				36.910	116.780				10.00*		KKG												
1972		12	4:47:	49.50				37.170	116.780				0.00		KKG												
1972		12	6:11:	47.80				36.750	115.380				0.00*		KKG												
1972		13	6:59:	55.15				36.730	115.400				10.00*		KKG												
1972		16	13: 3:	7.20	SIZ			37.290	116.560				5.00*		KKG					2.2 RYN							
1972		17	22:31:	46.35				37.220	117.380				15.00*		KKG												
1972		18	10:38:	36.42				36.810	117.610				0.00		KKG												
1972		18	19:23:	43.98				37.030	116.480				9.90		KKG												
1972		19	10:51:	40.40				36.800	117.630				0.00*		KKG												
1972		21	4:27:	5.06				36.500	117.140				22.60		KKG												
1972		22	4:50:	47.64				36.440	115.870				15.00*		KKG												
1972		24	9:38:	16.88				36.010	117.890				5.00*		KKG												
1972		26	6:13:	21.26				35.856	117.643				8.00*		GDY			1.7 BRP	2.9 PAS							2.9 GDY	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER					INTENSITY			MAGNITUDE																
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1972	JUN 26	9:21:14.34						35.847	117.646				8.00*							3.0	PAS						3.0	GDY
1972	JUN 28	3:51:6.94						37.740	115.250				20.00*															
1972	JUN 28	5:29:10.44						35.786	117.608				8.00*			1	BRP			3.2	PAS						3.2	GDY
1972	JUN 28	16:18:29.63			SIZ			36.870	115.940				13.60															
1972	JUN 28	16:30:2.06			SIZ			37.104	116.068				8.00*															
1972	JUN 29	13:53:10.89						37.250	114.710				5.00*															
1972	JUN 30	6:18:12.12						37.250	114.740				15.00*															
1972	JUN 30	21:10:3.94						36.330	114.950				5.00*															
1972	JUL 1	2:40:4.98						35.808	117.592		C		8.00*					1.6	BRP	2.8	PAS							
1972	JUL 1	13:34:57.20				0.97	9	38.213	116.426																			
1972	JUL 2	10:52:24.72						37.970	116.240				18.20															
1972	JUL 4	3:51:39.20				0.06	5	38.323	117.847												1.9	RYN						
1972	JUL 4	5:12:16.28						37.980	116.230				0.00								4.0	PAS					4.4	GDY
1972	JUL 4	8:19:59.62						35.630	117.800				5.00*			2	BRP			2.7	PAS						3.4	GDY
1972	JUL 4	8:26:13.11						35.883	117.585		C		8.00*			1	BRP			3.4	PAS							
1972	JUL 4	8:37:15.87						35.798	117.573				8.00*															
1972	JUL 5	2:37:18.36						37.700	116.060				14.00								2.2	RYN						
1972	JUL 5	4:38:51.11			SIZ			37.150	116.290				0.00															
1972	JUL 6	9:39:12.79						36.360	117.520				5.00*															
1972	JUL 8	7:30:12.84						36.820	115.340				14.50															
1972	JUL 8	8:8:47.33						36.790	115.370				10.00*															
1972	JUL 8	9:50:41.79						36.790	115.370				15.00*															
1972	JUL 8	19:59:48.91						36.370	116.730				0.00															
1972	JUL 8	20:4:47.45						37.230	114.800				15.00*															
1972	JUL 9	3:19:53.68						37.420	117.370				5.00*															
1972	JUL 9	6:45:16.47						37.460	117.470				5.00*															
1972	JUL 10	14:54:25.65						36.450	115.790				10.00*															
1972	JUL 10	23:59:56.51			LM		5	35.982	114.782		1.6 C 158		5.76										1.6	RWL				
1972	JUL 12	22:10:38.07			LM		6	36.087	114.676		1.0 C 149		5.00*										1.4	RWL				
1972	JUL 16	2:52:29.90			LM			35.930	114.990				0.00															
1972	JUL 16	7:56:7.84			LM		7	36.109	114.808		0.6 C 229		7.32										1.6	RWL				
1972	JUL 19	8:5:26.72						37.180	117.450				18.80															
1972	JUL 19	14:34:31.22						37.150	117.410				15.80															
1972	JUL 19	17:1:34.23						36.770	116.280				0.00															
1972	JUL 20	12:40:37.63						38.260	116.130				5.00*															
1972	JUL 21	3:53:37.85			LM		5	36.093	114.637		3.7 D 166		3.60										1.3	RWL				
1972	JUL 21	17:52:40.27			LM		7	36.000	114.788		0.6 B 138		4.27										1.4	RWL				
1972	JUL 22	12:59:55.28			LM		6	36.003	114.831		0.4 C 215		9.32										1.4	RWL				
1972	JUL 23	7:40:52.07						35.790	117.690				10.40															
1972	JUL 23	14:14:54.79						37.310	117.450				5.00*															
1972	JUL 24	18:32:28.05			LM		5	35.911	114.667		0.7 C 280		6.93										1.4	RWL				
1972	JUL 25	13:30:1.76			SIZ			36.953	116.009				8.00*			5	BRP	4.0	BRP					4.0	PDX	4.0	GDY	
1972	JUL 25	16:47:12.81			LM		5	36.085	114.763		2.5 D 207		12.97										1.2	RWL				
1972	JUL 25	20:50:17.21			LM		7	36.047	114.718		0.3 B 103		9.53										2.3	RWL				
1972	JUL 26	21:14:46.17						36.320	114.900				13.90															
1972	JUL 27	11:35:39.42			LM		7	36.067	114.741		1.0 C 180		7.09										1.5	RWL				
1972	JUL 27	20:18:16.34						37.450	115.640				5.00*															
1972	JUL 28	1:37:45.57			SIZ			37.240	116.130				5.00*															

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE																
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1972	JUL	28	2	36	43.75	LM	—	6	35.944	114.660	0.3	C	230	4.72	0.40	RWL	—	—	—	—	—	—	2.1	RWL	—	—	—	—	
1972		28	23	22	6.75	SIZ	—	—	37.250	116.220	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		29	4	45	3.76	—	—	—	35.950	117.350	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	3.0	GDY	
1972		29	9	49	39.73	LM	—	6	36.114	114.685	0.3	B	179	6.44	0.30	RWL	—	—	—	—	—	—	1.5	RWL	—	—	—	—	
1972		29	22	40	16.50	—	—	—	37.770	117.890	—	—	—	12.30	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		29	23	54	9.35	SIZ	—	—	37.100	116.190	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		30	6	40	7.62	—	—	—	37.460	114.990	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		30	6	41	46.45	—	—	—	37.460	115.000	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		30	9	4	38.69	—	—	—	37.450	115.000	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		30	14	9	54.82	—	—	—	35.814	117.591	—	—	—	8.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	3.0	GDY	
1972		30	19	2	14.72	—	—	—	35.775	117.639	—	—	—	8.00*	—	GDY	1	BRP	—	—	3.0	PAS	—	—	—	3.4	GDY		
1972		30	21	17	5.39	—	—	—	35.780	117.649	—	—	—	8.00*	—	GDY	1	BRP	—	—	3.3	PAS	—	—	—	3.3	GDY		
1972		30	23	17	53.53	—	—	—	37.100	116.210	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		31	4	26	28.80	—	—	—	38.130	116.217	—	—	—	0.00	—	RYN	—	—	—	—	—	—	—	—	—	—	—	—	
1972		31	4	27	29.16	—	0.59	8	38.030	116.240	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972	AUG	1	3	14	33.01	—	—	—	36.150	117.656	—	—	—	8.00*	—	GDY	—	—	1.5	BRP	—	—	—	—	—	—	—	2.7	GDY
1972		1	5	16	59.70	—	—	—	36.940	117.550	—	—	C 236	8.80	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		1	22	40	8.02	LM	—	4	36.047	114.768	—	—	—	3.99	—	RWL	—	—	—	—	—	—	2.5	RWL	—	—	—	—	
1972		1	22	50	8.16	LM	—	5	36.017	114.779	3.1	D	261	8.72	9.20	RWL	—	—	—	—	—	—	—	—	—	—	—	—	
1972		2	0	28	36.32	—	—	—	36.030	115.420	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		3	1	8	52.92	SIZ	—	—	37.330	116.220	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		3	7	19	16.59	SIZ	—	—	36.890	116.060	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		3	9	42	12.93	—	—	—	36.910	117.490	—	—	—	15.50	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		3	12	53	30.42	LM	—	4	36.130	114.622	—	—	C 173	0.73	—	RWL	—	—	—	—	—	—	—	—	—	—	—	—	
1972		3	15	34	5.54	—	—	—	36.840	116.260	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		3	20	52	49.41	—	—	—	37.410	117.840	—	—	—	25.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		3	23	28	18.07	LM	—	4	36.052	114.742	—	—	C 220	9.29	—	RWL	—	—	—	—	—	—	—	—	—	—	—	—	
1972		4	14	17	24.42	—	—	—	37.430	114.840	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		4	18	59	52.75	SIZ	—	—	36.890	116.040	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		4	20	44	25.65	—	—	—	37.730	115.080	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		4	21	50	6.09	—	—	—	36.100	115.370	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		5	0	5	59.49	—	—	—	35.700	115.990	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		5	12	37	13.35	—	—	—	36.520	116.080	—	—	—	25.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		7	4	21	6.81	—	—	—	38.020	116.230	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		8	6	23	35.46	SIZ	—	—	37.000	116.280	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		9	20	25	52.95	—	—	—	35.860	117.760	—	—	—	20.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		11	11	48	32.90	—	1.17	8	38.100	116.272	—	—	—	—	—	RYN	—	—	—	—	—	—	—	—	—	—	—	—	
1972		13	5	34	12.62	—	—	—	37.700	115.090	—	—	—	19.60	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		13	14	1	39.30	—	—	—	37.400	114.660	—	—	—	18.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		13	20	13	40.58	SIZ	—	—	36.910	116.080	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		14	7	59	45.76	—	—	—	37.200	117.540	—	—	—	15.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		14	18	1	25.85	—	—	—	37.250	114.970	—	—	—	12.70	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		15	3	36	42.10	—	—	—	37.700	116.010	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		15	7	12	53.00	—	0.79	7	38.435	117.845	—	—	—	—	—	RYN	—	—	—	—	—	—	—	—	—	—	—	—	
1972		15	18	28	51.75	—	—	—	37.480	115.290	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		16	2	40	34.23	—	—	—	36.370	116.130	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		16	6	17	56.17	SIZ	—	—	37.250	116.450	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	
1972		16	19	34	24.69	—	—	—	37.520	117.070	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE														
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1972 AUG 19	3:32	30	98				38.260	117.070				25.00*		KKG									
1972 19	10:28	7	86				37.020	116.490				25.00*		KKG									
1972 19	15:13	49	83				37.260	114.710				0.00		KKG									
1972 19	20:12	0	79				35.950	115.530				15.00*		KKG									
1972 19	23:1	51	99				36.890	117.880				17.20		KKG									
1972 20	1:20	34	84				36.670	116.200				20.00*		KKG									
1972 22	2:14	56	21				38.470	116.050				0.00		KKG									
1972 22	10:58	7	99				38.190	117.070				25.00*		KKG									
1972 22	12:19	44	85				37.280	116.180				20.00*		KKG									
1972 23	2:14	53	91	LM		6	36.006	114.790	0.4	C	223	6.43	1.00	RWL				1.4	RWL				
1972 23	8:6	30	61	SIZ			36.880	116.000				0.00		KKG									
1972 23	8:58	43	35	SIZ			36.920	116.070				0.00*		KKG									
1972 23	10:56	22	18	SIZ			36.860	115.940				10.00*		KKG									
1972 23	12:36	52	15	SIZ			36.880	115.990				0.00		KKG									
1972 23	20:59	33	37	SIZ			36.890	116.010				15.00*		KKG									
1972 23	23:20	52	30	SIZ			36.820	115.900				15.00*		KKG									
1972 24	2:20	4	40				37.730	114.970				16.90		KKG									
1972 24	22:32	32	81				35.821	117.596		B		8.00*		PAS		1.1	BRP	2.4	PAS				
1972 24	23:41	12	12	LM		4	35.978	114.788		C	173	8.45		RWL				1.5	RWL				
1972 25	3:28	32	78	SIZ			37.160	116.100				0.00		KKG									
1972 25	10:4	2	26	SIZ			36.900	116.040				0.00		KKG									
1972 25	22:20	42	45	LM		6	35.968	114.622	0.5	C	240	4.67	0.50	RWL				1.1	RWL				
1972 25	23:9	24	01				36.080	116.200				20.00*		KKG									
1972 26	0:2	7	45	SIZ			37.360	116.210				0.00		KKG									
1972 26	4:41	11	55	SIZ			37.280	116.430				0.00*		KKG									
1972 27	11:17	10	80				38.200	115.850				25.00*		KKG									
1972 27	11:31	2	71				38.230	115.940				5.00*		KKG									
1972 27	17:23	29	66				38.230	115.940				0.00		KKG									
1972 29	4:15	15	47				36.370	116.870				0.00		KKG									
1972 29	4:41	22	69				36.660	117.250				15.00*		KKG									
1972 31	11:23	30	57				37.490	116.390				0.00*		KKG									
1972 31	21:36	37	92				36.870	117.420				16.40		KKG									
1972 SEP 1	0:5	17	91				35.740	116.500				10.00*		KKG									
1972 1	4:42	1	10				37.340	116.810				0.00*		KKG									
1972 1	6:13	15	63				35.680	117.580				8.00		KKG									
1972 2	14:7	51	37	LM		4	36.134	114.637		C	116	0.69		RWL				0.8	RWL				
1972 3	21:5	6	75				35.740	115.970				15.00*		KKG									
1972 3	22:49	55	67				36.560	116.310				0.00		KKG									
1972 4	9:4	48	24				36.570	116.330				11.20		KKG									
1972 4	14:35	0	05	LM		6	36.049	114.724	0.2	B	162	8.53	0.30	RWL				1.2	RWL				
1972 4	17:20	34	21	LM		6	36.049	114.715	0.5	B	153	7.44	1.00	RWL				1.1	RWL				
1972 5	11:16	6	30				37.270	117.840				10.00*		KKG									
1972 5	20:55	59	54				37.180	117.740				11.40		KKG									
1972 6	2:54	22	79	LM		6	36.069	114.708	0.1	B	148	7.82	0.10	RWL				1.6	RWL				
1972 6	3:53	53	43				37.130	117.610				14.00		KKG				3.2	RYN				
1972 6	20:7	47	57	LM		7	36.019	114.654	0.4	B	105	6.63	1.00	RWL				1.1	RWL				
1972 7	4:39	47	75	LM		6	36.047	114.726	0.2	B	164	8.25	0.30	RWL				1.4	RWL				
1972 7	7:55	40	06	LM		7	36.070	114.699	0.6	B	139	6.72	1.10	RWL				1.2	RWL				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER							INTENSITY		MAGNITUDE													
	(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1972	SEP	7	18:27:20.11		LM	—	7	36.062	114.707	0.5	B	147	4.92	0.90	RWL	—	—	—	—	—	—	1.8	RWL	—	—	—	—
1972		7	19:31:56.52		—	—	—	37.840	116.220	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		7	20:38:26.74		SIZ	—	—	37.040	115.980	—	—	—	11.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		7	21:26:25.51		LM	—	5	36.006	114.829	0.6	C	254	8.77	0.90	RWL	—	—	—	—	—	3.6	RYN	1.5	RWL	—	—	—
1972		7	21:58:55.56		—	—	—	37.088	115.520	—	—	—	10.00*	—	—	—	—	—	—	—	2.2	RYN	—	—	—	—	—
1972		9	20:52:21.00		—	0.01	8	36.088	117.983	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		10	2:31:34.95		—	—	—	36.920	116.010	—	—	—	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		10	6:42:37.72		SIZ	—	—	36.780	115.390	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		12	14: 3:30.96		—	—	—	37.000	117.580	—	—	—	15.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		12	14: 4:14.65		—	—	—	36.990	117.600	—	—	—	15.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		12	22: 3:22.32		—	—	—	36.990	117.570	—	—	—	10.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		12	22:50:58.70		—	—	—	37.350	117.210	—	—	—	5.00*	—	—	—	—	—	—	—	2.0	RYN	—	—	—	—	—
1972		12	23:19: 1.00		—	—	—	37.490	116.390	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		13	8:23: 5.00		0.77	13	37.196	117.869	—	—	—	—	—	—	—	—	—	—	—	—	2.2	RYN	—	—	—	—	—
1972		13	11:26:35.90		0.97	10	37.000	115.148	—	—	—	—	—	—	—	—	—	—	—	—	2.3	RYN	—	—	—	—	—
1972		13	16:44: 4.15		—	—	—	37.320	117.270	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		14	1:40:42.35		—	—	—	37.100	115.560	—	—	—	31.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		14	4:53:55.69		—	—	—	37.110	115.540	—	—	—	22.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		14	7:11:51.69		LM	—	7	36.031	114.787	0.7	C	218	9.62	0.80	RWL	—	—	—	—	—	—	1.3	RWL	—	—	—	—
1972		14	14: 1:49.42		LM	—	7	36.067	114.699	0.8	B	140	6.59	1.20	RWL	—	—	—	—	—	—	1.8	RWL	—	—	—	—
1972		14	17:39:56.80		—	—	—	37.500	117.580	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		14	18:41:51.90		—	—	—	37.350	117.170	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		14	23:29:54.71		—	—	—	37.490	117.580	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		14	23:56:58.36		—	—	—	37.310	117.010	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		15	0:45:35.62		—	—	—	37.370	117.170	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		15	0:57:52.90		—	—	—	37.490	117.520	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		15	4:49:27.99		—	—	—	37.400	117.260	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		15	4:58:33.23		—	—	—	37.490	117.540	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		15	12: 9:54.73		—	—	—	37.310	115.250	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		15	13:53: 9.53		—	—	—	37.430	117.360	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		15	14:13:57.99		—	—	—	37.230	115.140	—	—	—	25.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		15	22:15:27.34		—	—	—	36.320	114.930	—	—	—	17.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		16	17:47:33.57		—	—	—	37.520	115.700	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		17	7:14:30.86		—	—	—	37.850	117.960	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		18	12: 5:38.92		—	—	—	37.420	116.940	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		19	5:28:48.67		LM	—	7	36.103	114.679	0.3	B	110	4.37	0.50	RWL	—	—	—	—	—	—	1.6	RWL	—	—	—	—
1972		19	8:36:17.82		—	—	—	36.098	114.671	1.0	C	182	5.34	1.50	RWL	—	—	—	—	—	—	1.0	RWL	—	—	—	—
1972		19	19:54:20.35		—	—	—	35.900	115.590	—	—	—	21.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		19	22:13:14.24		—	—	—	36.320	114.920	—	—	—	15.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		19	22:46:38.92		—	—	—	35.630	116.050	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		20	7:22:48.51		—	—	—	38.020	117.830	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		21	4:41:18.82		LM	—	9	36.099	114.676	0.8	B	110	6.28	1.80	RWL	—	—	—	—	—	—	1.7	RWL	—	—	—	—
1972		21	18:59:48.99		SIZ	—	—	37.100	116.030	—	—	—	20.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		22	8:48:25.86		—	—	—	37.840	117.760	—	—	—	10.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		22	9:11:40.64		LM	—	9	36.019	114.803	0.7	C	232	8.78	0.90	RWL	—	—	—	—	—	—	1.8	RWL	—	—	—	—
1972		22	16:13:50.65		LM	—	6	36.020	114.790	1.2	C	222	8.43	1.60	RWL	—	—	—	—	—	—	1.6	RWL	—	—	—	—
1972		22	16:22:19.78		—	—	—	36.560	115.230	—	—	—	20.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		23	1:29:51.64		LM	—	7	36.095	114.666	1.0	B	105	5.00*	2.70	RWL	—	—	—	—	—	—	1.5	RWL	—	—	—	—

SC3B HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE																
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1972	SEP	23	6:14	48	08	SIZ	—	—	36.770	115.840	—	—	—	10.80	—	KKG	—	—	—	—	2.8	RYN	—	1.2	RWL	—	—	3.0	PAS
1972		23	13:14	31	69	LM	—	6	36.065	114.708	0.3	B	148	5.07	0.60	RWL	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		23	15:58	47	96	SIZ	—	—	37.140	116.430	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		23	16:00	38	81	SIZ	—	—	37.180	116.410	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		23	19:05	20	93	SIZ	—	—	37.160	116.420	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		24	6:35	6	84	—	—	—	36.740	116.080	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		24	7:59	11	89	SIZ	—	—	36.740	116.070	—	—	—	11.20	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		24	8:50	48	90	LM	—	5	36.021	114.787	1.0	C	219	8.55	1.30	RWL	—	—	—	—	—	—	1.6	RWL	—	—	—	—	—
1972		24	20:42	0	69	LM	—	7	36.051	114.720	0.5	B	159	6.78	1.00	RWL	—	—	—	—	—	—	1.4	RWL	—	—	—	—	—
1972		26	2:15	56	44	SIZ	—	—	36.850	116.060	—	—	—	20.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		26	2:14	5	46	LM	—	5	36.085	114.671	0.1	C	211	4.62	0.20	RWL	—	—	—	—	—	—	1.1	RWL	—	—	—	—	—
1972		26	5:10	34	83	—	—	—	37.060	117.390	—	—	—	16.10	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		26	6:27	25	33	LM	—	10	36.021	114.808	0.8	C	236	8.51	1.30	RWL	—	—	—	—	—	—	1.8	RWL	—	—	—	—	—
1972		26	6:28	31	79	LM	—	9	36.019	114.811	0.8	C	239	8.97	1.40	RWL	—	—	—	—	—	—	1.9	RWL	—	—	—	—	—
1972		26	8:14	6	73	LM	—	5	36.016	114.801	0.8	C	156	9.35	1.10	RWL	—	—	—	—	—	—	0.9	RWL	—	—	—	—	—
1972		26	12:55	14	41	—	—	—	37.010	116.400	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		26	15:54	51	44	SIZ	—	—	37.100	116.140	—	—	—	25.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		26	17:15	59	11	—	—	—	36.900	116.410	—	—	—	15.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		26	21:50	15	94	SIZ	—	—	36.890	116.020	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		26	21:54	38	78	SIZ	—	—	36.890	116.030	—	—	—	4.50	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		27	12:29	49	00	—	1.94	8	38.479	114.814	—	—	—	—	—	RYN	—	—	—	—	3.8	RYN	—	—	—	—	—	—	—
1972		27	17:37	22	95	—	—	—	37.370	115.490	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		27	20:41	17	20	SIZ	—	—	36.880	116.000	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		27	22:05	4	45	—	—	—	38.260	115.630	—	—	—	30.40	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		28	1:36	20	20	SIZ	—	—	36.940	116.060	—	—	—	20.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		28	10:23	36	56	SIZ	—	—	36.870	115.960	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		29	0:43	25	43	LM	—	3	36.077	114.688	—	C	219	5.00*	—	RWL	—	—	—	—	—	—	0.5	RWL	—	—	—	—	—
1972		29	4:33	39	75	—	—	—	36.760	116.140	—	—	—	4.20	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		29	5:23	53	12	LM	—	4	36.009	114.787	—	C	220	6.64	—	RWL	—	—	—	—	—	—	1.3	RWL	—	—	—	—	—
1972		29	7:43	45	59	—	—	—	36.850	117.490	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		29	10:34	24	04	LM	—	8	36.096	114.673	0.8	B	110	5.00*	2.20	RWL	—	—	—	—	—	—	1.7	RWL	—	—	—	—	—
1972		29	12:29	53	61	—	—	—	37.360	115.250	—	—	—	13.80	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		30	20:20	4	64	—	—	—	35.890	117.370	—	—	—	15.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972	OCT	1	5:28	8	83	SIZ	—	—	37.190	116.280	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		1	11:47	15	16	—	—	—	36.560	117.550	—	—	—	15.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		1	12:48	31	32	—	—	—	35.930	117.340	—	—	—	14.70	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		2	17:55	16	35	LM	—	3	36.077	114.688	—	C	219	5.00*	—	RWL	—	—	—	—	—	—	1.1	RWL	—	—	—	—	—
1972		3	13:22	36	49	SIZ	—	—	37.190	116.290	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		3	18:15	52	78	—	—	—	37.520	116.500	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		3	21:12	15	40	—	0.41	7	38.343	116.561	—	—	—	—	—	RYN	—	—	—	—	3.0	RYN	—	—	—	—	—	—	—
1972		4	10:31	5	10	—	0.06	7	38.313	116.351	—	—	—	—	—	RYN	—	—	—	—	2.7	RYN	—	—	—	—	—	—	—
1972		5	22:20	52	50	—	—	—	35.980	115.100	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		6	0:22	50	54	—	—	—	37.270	115.330	0.2	B	110	25.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		6	12:28	23	22	LM	—	6	36.027	114.661	—	—	—	7.31	0.30	RWL	—	—	—	—	—	—	0.9	RWL	—	—	—	—	—
1972		6	22:51	59	89	LM	—	—	35.840	114.760	—	—	—	15.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		7	1:22	3	39	—	—	—	37.820	117.040	—	—	—	25.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		7	3:53	33	09	—	—	—	37.330	117.710	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—
1972		7	14:17	7	42	—	—	—	36.400	117.520	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER						INTENSITY		MAGNITUDE															
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1972	OCT	7	21:16:45.40			0.51	8	38.242	116.400							RYN				2.9	RYN						
1972		8	1:21:31.22					38.330	116.470				5.00*			KG											
1972		8	2:48:26.48					38.000	115.580				5.00*			KG											
1972		8	4:47:31.34					36.670	116.220				1.10			KG											
1972		8	9:55:18.94					37.130	117.010				12.40			KG											
1972		8	17:25:48.86					38.150	115.950				20.00*			KG											
1972		8	19:25:34.35					35.830	115.880				25.00*			KG											
1972		9	9:37:53.56					37.330	117.780				7.10*			KG											
1972		10	3:59:56.61					37.330	117.780				15.00*			KG											
1972		10	7: 5:13.11					37.250	117.680				0.00			KG											
1972		10	8: 5:55.51					37.310	117.760				5.00*			KG											
1972		10	11:40:41.99					37.290	117.720				10.00*			KG											
1972		10	11:55:52.68					37.360	117.590				25.00*			KG											
1972		10	12: 2: 0.36					37.040	116.850				0.00*			KG											
1972		10	12:47:21.63					37.120	115.540				19.60			KG											
1972		10	15:45:58.15		LM		4	35.950	114.657			C 153	13.62			RWL						1.2	RWL				
1972		10	18: 6:28.64		LM		4	35.946	114.773			C 228	1.68			RWL						1.1	RWL				
1972		11	1:47:20.16		SIZ			37.130	116.040				25.00*			KG											
1972		11	20:50:33.90			0.73	7	38.247	116.407							RYN				3.2	RYN						
1972		12	1:39:54.67					37.240	114.860				0.00*			KG											
1972		12	8:49:11.23					37.240	114.870				0.00*			KG											
1972		12	13:12:32.19					38.320	116.460				10.00*			KG											
1972		12	13:28:54.39		LM		8	36.070	114.708			0.3 B 103	7.96	0.80		RWL						1.4	RWL				
1972		12	14:42: 7.03					38.180	115.960				20.00*			KG											
1972		13	1:30:57.69		LM		6	36.021	114.688			0.3 C 183	9.26	0.40		RWL						0.9	RWL				
1972		13	16: 4:32.15					37.170	115.340				25.00*			KG											
1972		13	21:18:11.50			0.12	6	38.301	116.414							RYN				1.8	RYN						
1972		13	21:42: 9.84					38.270	115.990				10.00*			KG											
1972		14	0:50: 4.59		LM		6	36.002	114.723			0.7 B 121	7.63	1.40		RWL				2.9	RYN						
1972		14	7:35:26.60			0.15	5	38.315	116.419							RYN											
1972		14	7:49:10.51					38.310	116.410				10.10			KG											
1972		14	13:30:15.10		SIZ			36.890	115.940				5.00*			KG											
1972		14	15:25: 1.77		SIZ			37.330	116.650				0.00*			KG											
1972		14	16:11:44.02					37.510	114.750				18.20			KG											
1972		14	16:37:30.57					36.410	115.020				5.00*			KG											
1972		14	18:35:54.30					38.100	116.000				20.00*			KG											
1972		15	14: 8: 2.65		LM		8	35.893	114.828			1.6 C 289	3.79	2.40		RWL						1.9	RWL				
1972		16	7:33:30.57					37.700	115.050			C 258	15.80			KG											
1972		17	3:35:14.86		LM		4	36.071	114.738				8.10			RWL						1.4	RWL				
1972		17	10:27:44.13					37.220	114.630				0.00*			KG											
1972		17	12:46:42.07					37.210	114.630				15.00*			KG											
1972		17	15:27:38.22					37.330	114.680				10.00*			KG											
1972		17	19:22: 2.28					38.270	116.150				10.00*			KG											
1972		18	0:18:56.74		LM		4	36.014	114.808			C 125	7.21			RWL						1.0	RWL				
1972		19	5:17:22.45					37.440	117.890				10.00*			KG											
1972		19	16:42:58.46					37.260	114.840				0.00*			KG											
1972		20	18:38: 6.63					36.370	114.850				0.00			KG											
1972		20	23:16: 6.80		LM		6	36.094	114.678			0.5 B 161	4.61	0.60		RWL						1.6	RWL				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER						INTENSITY			MAGNITUDE														
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1972	OCT 21	6:14:36.79						37.470	115.650				5.00*		KKG													
1972	OCT 21	22:35:11.07						37.080	115.530				0.00		KKG													
1972	OCT 22	0: 5:59.77			LM		5	36.119	114.659	0.6	C	200	5.05	1.30	RWL							1.8	RWL					
1972	OCT 22	4:45:47.13						37.090	114.880				20.00*		KKG													
1972	OCT 22	11:49:24.95						37.230	114.820				5.00*		KKG													
1972	OCT 22	12:33:30.75						37.290	114.610				10.00*		KKG													
1972	OCT 22	14:33:26.30			SIZ			36.980	116.020				8.90		KKG													
1972	OCT 23	2:13:48.26						36.760	116.270				5.00*		KKG													
1972	OCT 23	8: 2: 9.33						37.200	114.840				0.00*		KKG													
1972	OCT 23	8:30:48.43						37.690	114.870				25.00*		KKG													
1972	OCT 23	14:50:58.92						37.310	116.930				5.00*		KKG													
1972	OCT 23	15:11:27.55						37.380	114.790				15.00*		KKG													
1972	OCT 23	19:39:58.71						37.280	114.930				0.00*		KKG													
1972	OCT 24	5:50:19.60						37.290	114.970				0.00*		KKG													
1972	OCT 24	13:21:47.49						37.220	114.810				0.00*		KKG													
1972	OCT 24	21: 2: 2.85			LM		4	36.114	114.738			C 210	7.34		RWL							1.6	RWL					
1972	OCT 27	6:53:21.32						36.390	116.350				20.00*		KKG													
1972	OCT 27	8:26: 9.13						36.040	115.110				15.60		KKG													
1972	OCT 27	15:33:25.17						37.240	114.840				0.00*		KKG													
1972	OCT 28	19: 1:24.98						37.260	114.840				17.50		KKG													
1972	OCT 28	21:17:56.95						37.040	115.900				13.50		KKG													
1972	OCT 28	21:20: 5.53			SIZ			37.060	115.970				11.80		KKG													
1972	OCT 28	23: 6:19.90						37.850	114.900				5.00*		KKG													
1972	OCT 29	1:34:18.41						37.720	114.830				20.00*		KKG													
1972	OCT 29	7: 3:28.18						37.390	114.840				25.00*		KKG													
1972	OCT 29	11:35: 7.74						37.240	114.860				0.00*		KKG													
1972	OCT 29	13:12:10.66						37.350	114.850				25.00*		KKG													
1972	OCT 29	20:27: 4.35						37.300	114.810				20.00*		KKG													
1972	OCT 30	2: 7:21.10						37.200	114.820				0.00*		KKG													
1972	OCT 30	7: 8:21.40						37.210	114.810				0.00*		KKG													
1972	OCT 30	8:13: 9.60						37.210	114.830				0.00*		KKG													
1972	OCT 30	14: 3: 6.88						37.200	114.820				0.00*		KKG													
1972	OCT 31	4: 2:50.85						37.260	114.840				0.00*		KKG													
1972	OCT 31	5:26:50.36			SIZ			36.820	115.930				15.00*		KKG													
1972	NOV 1	18:57:27.25						37.200	114.820				5.30		KKG													
1972	NOV 1	20: 2:13.33						37.230	114.830				0.00*		KKG													
1972	NOV 1	20:10:34.18						37.570	114.610				15.00*		KKG													
1972	NOV 1	20:15:27.27						37.250	114.820				0.00*		KKG													
1972	NOV 1	23: 4:35.38						37.250	114.810				0.00*		KKG													
1972	NOV 2	1:18:12.11						36.750	116.080				6.40		KKG													
1972	NOV 2	11:58:33.28						37.220	114.820				5.00*		KKG													
1972	NOV 2	13:28:36.08						37.230	114.830				0.00*		KKG													
1972	NOV 3	22:49:26.52						37.240	114.810				0.00*		KKG													
1972	NOV 3	12:11:13.30			LM		4	36.171	114.718			C 246	5.92		RWL							1.9	RWL					
1972	NOV 3	20:55:39.60						36.770	116.120				6.10		KKG													
1972	NOV 5	2: 4:42.01						37.540	115.990				0.00		KKG													
1972	NOV 5	21:28:42.67						37.150	117.510				15.00*		KKG													
1972	NOV 6	0: 5:25.96						37.230	114.830				0.00*		KKG													

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE																		
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1972	NOV	6	1:19:	36.68				36.790	115.450				20.80		KKG													
1972		6	11:32:	2.08				36.780	115.430				0.00		KKG													
1972		6	17:29:	26.05				37.140	117.850				10.00*		KKG													
1972		6	17:57:	19.67				37.180	114.540				20.00*		KKG													
1972		6	18:10:	31.98				37.090	114.550				20.00*		KKG													
1972		7	11:38:	4.77	SIZ			37.170	116.260				0.00		KKG													
1972		7	12:30:	24.39				37.040	116.260				5.20		KKG													
1972		7	23:45:	20.23	SIZ			35.730	115.980				0.00*		KKG													
1972		8	10:15:	10.47				36.920	117.920				0.00*		KKG													
1972		9	11:0:	24.56	SIZ			37.150	115.950				8.60		KKG	1	BRP	2.0	BRP	3.1	BRK					3.1	GDY	
1972		9	14:43:	9.66				37.130	115.870				9.40		KKG													
1972		9	18:43:	34.11				36.540	115.350				5.00*		KKG													
1972		10	18:40:	2.45	LM		6	35.986	114.708	0.2	B	146	5.43	0.70	RWL								2.4	RWL				
1972		10	18:58:	57.90	LM		6	35.970	114.709	1.0	C	164	9.76	2.40	RWL								1.7	RWL				
1972		11	3:45:	6.37				37.880	117.000				0.00		KKG													
1972		11	21:23:	45.14				36.010	115.150				10.20		KKG													
1972		12	0:23:	25.85				36.200	115.480				15.00*		KKG													
1972		12	1:7:	4.54				36.670	116.140				0.00		KKG													
1972		12	9:43:	47.69	SIZ			36.910	115.970				0.00		KKG													
1972		12	15:46:	54.48	SIZ			36.980	116.090				0.00		KKG													
1972		12	16:46:	21.85	SIZ			36.980	116.090				5.00		KKG													
1972		12	22:22:	16.42	LM		6	35.918	114.642	0.6	C	240	8.38	1.80	RWL					2.9	PAS		2.3	RWL			2.9	GDY
1972		13	1:18:	8.32				35.950	117.930				8.50		KKG													
1972		13	14:13:	59.48	LM		4	36.137	114.733		C	224	9.04		RWL								2.2	RWL				
1972		14	7:25:	53.30				35.970	117.670				25.00		KKG			0.8	BRP	2.2	PAS							
1972		14	15:8:	36.61				36.660	116.040				11.50		KKG													
1972		14	15:39:	30.55	LM		4	36.146	114.734		C	230	9.65		RWL							2.2	RWL					
1972		15	20:15:	14.70				35.770	115.930				0.00		KKG													
1972		16	13:57:	48.76	LM		4	35.921	114.808		C	284	5.78		RWL								1.8	RWL				
1972		16	16:23:	33.58				37.280	114.850				25.00		KKG													
1972		16	22:8:	58.01				35.880	115.560				10.00*		KKG													
1972		16	23:14:	4.88				38.100	115.060				0.00*		KKG													
1972		17	7:39:	21.05				37.780	115.100				15.00*		KKG													
1972		17	7:46:	58.66				37.780	115.100				17.20		KKG					3.7	RYN							
1972		17	9:29:	8.89				37.780	115.090				18.00		KKG					3.5	RYN							
1972		17	9:50:	4.44				37.780	115.100				18.20		KKG	5	BRP	4.0	BRP	3.6	RYN				4.6	PDX	4.6	GDY
1972		17	10:2:	27.28				37.760	115.060				20.00*		KKG													
1972		17	10:22:	18.73				38.080	117.000				10.00		KKG													
1972		17	10:48:	40.90				37.730	115.100				0.00		KKG													
1972		17	11:11:	9.12				37.760	115.070				17.40		KKG													
1972		17	11:16:	38.59				37.750	115.070				17.60		KKG													
1972		17	11:20:	46.44				37.770	115.070				16.20		KKG													
1972		17	11:43:	29.35				37.790	115.130				13.70		KKG					2.8	RYN							
1972		17	13:42:	41.30				37.770	115.040				16.60		KKG													
1972		17	13:43:	34.87				36.700	115.480				22.40		KKG													
1972		17	18:9:	52.65				38.200	114.920				15.00*		KKG													
1972		17	18:27:	56.79				35.870	116.160				0.00		KKG			1.3	BRP	2.6	PAS					2.6	GDY	
1972		17	23:18:	42.95				37.790	115.120				14.20		KKG					3.8	RYN							

SGS HISTORICAL HYPOCENTER SUMMARY 1869-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY		MAGNITUDE													
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1972 NOV 18	2	10	29.47				36.030	117.530				12.20		KKG					3.5	PDX					3.5	GDY
1972 18	13	17	17.13				36.770	115.440				10.90		KKG												
1972 18	17	18	10.47				36.680	116.080				0.00		KKG												
1972 18	22	34	45.56				37.780	115.020				17.60		KKG												
1972 19	4	38	57.20				36.660	116.030				15.00		KKG												
1972 19	5	31	11.77				36.800	115.740				0.00		KKG												
1972 19	6	58	24.24				36.530	117.090				25.00*		KKG												
1972 19	11	44	58.21				37.780	115.020				0.00*		KKG												
1972 19	15	41	3.31				36.750	115.330				0.00*		KKG												
1972 19	15	41	27.96				36.740	115.370				0.00*		KKG												
1972 19	15	46	24.98				37.770	115.120				16.30		KKG					2.9	RYN						
1972 19	15	53	28.27				37.760	115.080				5.00*		KKG												
1972 19	18	8	4.16				37.780	115.110				14.70		KKG												
1972 19	20	10	29.19				36.690	115.380				5.00*		KKG												
1972 19	21	10	36.27				37.780	115.110				14.70		KKG												
1972 20	17	52	15.05				37.730	115.090				0.00*		KKG												
1972 21	13	35	58.38	LM		4	36.010	114.844			C 297	8.00*		RWL							1.3	RWL				
1972 21	13	57	14.96	LM		4	36.024	114.792			C 234	6.75		RWL							0.7	RWL				
1972 22	1	14	53.51				37.760	115.090				0.00		KKG												
1972 22	3	3	14.89				36.810	117.660				11.70		KKG												
1972 22	5	33	21.64				37.790	115.200				10.80		KKG												
1972 22	9	27	32.89				36.730	117.240				19.00		KKG												
1972 23	5	52	5.70				37.790	115.120				16.50		KKG					3.8	RYN						
1972 23	11	18	22.60				36.880	117.520				5.00*		KKG												
1972 24	4	42	40.61				36.510	117.020				25.00		KKG												
1972 24	13	26	13.69				36.710	116.240				8.40		KKG												
1972 24	16	22	46.94	LM		5	36.047	114.813			2.0 D 131	5.00*	5.30	RWL							1.1	RWL				
1972 25	0	33	10.07				37.100	114.660				0.00		KKG												
1972 25	9	57	18.00				37.660	117.110				10.00		KKG												
1972 25	19	31	38.00				36.670	117.880			B			BRK				1.3	BRP		3.2	BRK				
1972 27	2	48	31.01	SIZ			36.940	116.020				6.00		KKG												
1972 27	7	40	12.70				37.140	117.100				0.00*		KKG												
1972 27	13	49	30.82				36.610	116.160				13.10		KKG												
1972 28	5	47	40.76				36.750	116.680				11.30		KKG												
1972 29	5	45	37.12				37.840	114.530				0.00		KKG												
1972 29	5	53	20.27				37.798	114.510				8.00*		GDY											2.9	PDX
1972 30	6	42	48.67				36.520	115.490				5.00*		KKG											3.0	PDX
1972 30	9	35	18.19				36.730	115.380				5.00*		KKG												
1972 30	13	45	16.12				36.730	115.380				5.00*		KKG												
1972 30	15	51	2.34	LM		6	36.046	114.757			0.4 B 146	7.24	0.90	RWL							1.6	RWL				
1972 30	19	57	41.30				36.850	116.220				7.40		KKG												
1972 30	23	38	54.98	LM		6	36.046	114.758			0.4 B 147	7.14	0.90	RWL							1.7	RWL				
1972 DEC 1	7	42	4.68	LM		4	36.151	114.647			C 239	0.77		RWL							1.2	RWL				
1972 1	10	31	44.12				37.160	114.580				15.60		KKG												
1972 1	13	41	15.59	SIZ			37.240	116.290				5.00*		KKG												
1972 1	13	41	44.27	SIZ			37.240	116.280				5.00*		KKG												
1972 1	21	54	31.67	LM		6	36.047	114.756			0.4 B 146	5.54	1.00	RWL							2.0	RWL				
1972 1	22	38	49.90	LM		5	36.048	114.762			0.1 C 144	7.53	0.20	RWL							1.5	RWL				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER						INTENSITY		MAGNITUDE															
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1972 DEC	2	20:26	31.09					35.730	115.980				10.00*		KKG												
1972	2	21:45	58.01		LM		6	36.045	114.758		0.5	B	147	7.44	0.90	RWL						1.7	RWL				
1972	5	12:58	15.05					37.160	116.600				14.30		KKG												
1972	6	1:22	20.72		LM		6	36.038	114.813		0.2	B	174	5.88	0.40	RWL						2.1	RWL				
1972	6	2:15	10.45					37.270	117.850				0.00		KKG												
1972	6	8: 1:21	89					37.120	115.080				10.00*		KKG												
1972	6	10:56	31.67					35.822	117.668		A		8.00*		PAS			1.3	BRP	2.6	PAS						
1972	6	17:25	54.31					37.710	114.910				14.10		KKG												
1972	6	18:48	51.09					37.760	114.810				13.40		KKG												
1972	7	3:34	5.26					37.120	115.600				20.00*		KKG												
1972	7	4: 5:22	36					37.850	115.070				25.00*		KKG												
1972	8	0:48	9.76					36.040	115.420				0.00		KKG												
1972	8	2:11	4.04					37.250	114.560				0.00*		KKG												
1972	8	14:32	29.61					37.130	115.910				25.00*		KKG												
1972	8	19:56	13.21		SIZ		4	36.036	114.811				6.53		RWL							1.6	RWL				
1972	9	3:30	46.52		LM		8	36.042	114.799		0.4	B	95	2.62	1.80	RWL						2.0	RWL				
1972	9	3:51	10.79		LM		7	36.041	114.798		0.3	B	161	3.23	1.90	RWL						2.8	RWL				
1972	9	3:34	22.97		LM		7	36.044	114.808		0.3	B	176	4.40	0.80	RWL						2.0	RWL				
1972	9	3:43	27.07		LM		6	36.042	114.804		0.4	B	167	3.13	1.50	RWL						2.2	RWL				
1972	9	3:45	35.35		LM		6	36.041	114.809		0.5	B	172	4.12	1.40	RWL						1.8	RWL				
1972	9	4:22	50.13		LM		6	36.043	114.806		0.5	B	172	2.82	1.80	RWL						1.5	RWL				
1972	9	6:46	40.66		LM		8	36.042	114.801		0.4	B	97	3.08	1.60	RWL						2.6	RWL				
1972	9	7: 3:10	07		LM		8	36.041	114.803		0.3	B	165	3.19	0.90	RWL						2.1	RWL				
1972	9	10:57	51.75		LM		7	36.043	114.810		0.3	B	176	4.92	0.60	RWL						1.7	RWL				
1972	9	15:26	43.05		LM		8	36.038	114.807		0.4	B	166	3.84	1.10	RWL						1.8	RWL				
1972	10	22: 0:23	00		LM		8	36.040	114.798		0.6	B	91	5.00*	1.60	RWL						1.2	RWL				
1972	11	14:29	14.32		LM		5	36.036	114.808		1.5	C	137	30.30	3.30	RWL						0.9	RWL				
1972	12	2:16	25.21					36.780	116.130				11.70		KKG												
1972	12	9:52	5.40					37.330	116.000						KKG												
1972	12	16:30	2.70		SIZ	0.08	4	37.081	116.039						RYN					4.0	RYN						
1972	12	20:54	55.17					36.580	115.150				0.00		KKG												
1972	13	4:42	48.97		LM		3	36.022	114.814		C	167	5.00*		RWL							1.4	RWL				
1972	14	1: 1:45	42					36.220	117.850				0.00*		KKG												
1972	14	18:50	30.24		SIZ			37.120	116.160				15.00*		KKG												
1972	14	19:31	5.74					36.650	116.390				0.00*		KKG												
1972	15	1:35	49.71					35.800	115.800				0.00		KKG												
1972	16	1: 9:38	78					36.340	116.720				5.00*		KKG												
1972	16	16:36	24.71					37.160	116.100				15.00*		KKG												
1972	16	23: 3:23	69		LM		4	36.032	114.803		C	148	2.61		RWL							1.6	RWL				
1972	17	0:20	50.80					37.780	115.090				0.00*		KKG			3.0	RYN								
1972	18	4:52	28.17					37.770	115.070				10.00*		KKG												
1972	18	4:57	2.10					37.800	115.010				0.00		KKG												
1972	18	6:30	4.20		LM		4	36.084	114.760		C	154	0.86		RWL							1.6	RWL				
1972	18	23:30	25.28		LM		4	36.086	114.759		C	151	0.54		RWL							1.4	RWL				
1972	19	5:20	25.28		LM		10	36.052	114.797		0.9	B	84	1.02	2.80	RWL						2.8	RWL				
1972	19	5:21	51.44		LM		5	36.041	114.799		0.5	D	133	0.97	14.80	RWL						2.6	RWL				
1972	19	5:22	8.71		LM		5	36.045	114.803		1.4	D	124	1.72	13.60	RWL						2.6	RWL				
1972	19	5:26	0.04		LM		10	36.050	114.797		0.8	B	85	1.12	2.70	RWL						2.9	RWL				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE												
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	MD	REF	mb	REF	OTH	REF
1972 DEC 19	5:43	48.03		LM	—	5	36.044	114.798	0.8	D	129	0.58	—	RWL	—	—	—	—	1.6	RWL	—	—	—	—
1972 DEC 19	6:43	30.22		LM	—	4	36.085	114.757	—	C	151	4.27	—	RWL	—	—	—	—	1.8	RWL	—	—	—	—
1972 DEC 19	9:57	5.23		LM	—	4	36.034	114.805	—	C	142	3.46	—	RWL	—	—	—	—	1.5	RWL	—	—	—	—
1972 DEC 19	23: 4	19.46		—	—	—	36.310	114.930	—	—	—	11.20	—	KKG	—	—	—	—	2.7	RWL	—	—	—	—
1972 DEC 20	2:18	5.55		LM	—	4	36.105	114.650	—	C	220	5.91	—	RWL	—	—	—	—	1.3	RWL	—	—	—	—
1972 DEC 20	18:11	10.39		—	—	—	35.950	117.810	—	—	—	25.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 21	0:52	34.88		—	—	—	35.810	117.680	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 21	2:37	54.62		—	—	—	35.930	117.760	—	—	—	11.30	—	KKG	4	BRP	—	3.9	PAS	—	4.6	PDX	—	3.9 GDY
1972 DEC 21	2:50	6.27		—	—	—	35.910	117.800	—	—	—	5.00	—	KKG	1	BRP	—	3.3	PAS	—	—	—	—	3.3 GDY
1972 DEC 21	2:56	41.59		—	—	—	36.340	117.620	—	—	—	0.00	—	KKG	1	BRP	—	3.3	PAS	—	—	—	—	3.6 GDY
1972 DEC 21	5:15	53.22		—	—	—	35.950	117.740	—	—	—	12.20	—	KKG	4	BRP	—	3.6	PAS	—	—	—	—	—
1972 DEC 21	6:56	11.04		—	—	—	36.090	117.930	—	—	—	15.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 21	7: 2	31.38		—	—	—	35.930	117.800	—	—	—	5.20	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 21	7:22	12.37		—	—	—	36.090	117.960	—	—	—	15.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 21	10:31	27.09		—	—	—	35.920	117.750	—	—	—	11.10	—	KKG	1	BRP	—	3.7	PAS	—	—	—	—	3.7 GDY
1972 DEC 21	11:26	5.01		—	—	—	35.950	117.810	—	—	—	8.40	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 22	0:52	35.57		—	—	—	35.980	117.767	—	B	—	8.00*	—	PAS	—	—	1.7	BRP	2.9	PAS	—	—	—	—
1972 DEC 22	1: 8	40.93		—	—	—	36.010	117.820	—	—	—	15.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 22	1:55	57.96		—	—	—	36.230	117.940	—	—	—	20.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 22	2:37	3.78		—	—	—	35.965	117.759	—	B	—	8.00*	—	PAS	—	—	1.3	BRP	2.6	PAS	—	—	—	—
1972 DEC 22	2:37	44.73		—	—	—	35.959	117.771	—	—	—	8.00*	—	GDY	1	BRP	—	3.2	PAS	—	—	—	—	2.6 GDY
1972 DEC 22	3:13	3.40		LM	—	6	36.035	114.802	0.3	B	92	2.06	1.40	RWL	—	—	—	—	1.7	RWL	—	—	—	—
1972 DEC 23	0:41	41.19		SIZ	—	—	36.780	115.940	—	—	—	9.10	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 23	2:37	0.08		LM	—	5	35.953	114.656	0.4	C	204	4.47	1.80	RWL	—	—	—	—	1.4	RWL	—	—	—	—
1972 DEC 23	8:24	27.66		LM	—	4	36.114	114.715	—	C	147	5.00*	—	RWL	—	—	—	—	1.9	RWL	—	—	—	—
1972 DEC 23	11:58	0.03		—	—	—	37.430	115.000	—	—	—	15.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 25	7:21	10.60		LM	—	4	36.085	114.758	—	C	152	4.33	—	RWL	—	—	—	—	1.8	RWL	—	—	—	—
1972 DEC 25	16:24	41.99		—	—	—	36.140	117.720	—	—	—	5.00*	—	KKG	—	—	—	2.9	PAS	—	—	—	—	—
1972 DEC 26	10:36	18.17		LM	—	4	36.085	114.757	—	C	151	4.27	—	RWL	—	—	—	—	2.0	RWL	—	—	—	—
1972 DEC 26	11:20	4.96		LM	—	4	36.085	114.757	—	C	151	4.27	—	RWL	—	—	1.1	BRP	1.5	RWL	—	—	—	—
1972 DEC 26	14:41	20.87		—	—	—	35.945	117.782	—	B	—	8.00*	—	PAS	—	—	—	2.4	PAS	—	—	—	—	—
1972 DEC 27	15:10	8.83		—	—	—	37.120	116.960	—	—	—	25.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 27	15:27	49.25		—	—	—	37.130	116.930	—	—	—	0.00*	—	KKG	—	—	—	3.1	RYN	—	—	—	—	—
1972 DEC 27	15:31	52.67		—	—	—	37.120	116.970	—	—	—	25.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 28	10:54	51.22		—	—	—	37.220	117.200	—	—	—	2.30	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 30	12: 2	31.05		SIZ	—	—	36.850	115.910	—	—	—	4.70	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 30	18:50	52.99		LM	—	3	35.983	114.702	—	C	199	5.00*	—	RWL	—	—	—	—	1.3	RWL	—	—	—	—
1972 DEC 31	4:31	21.10		LM	—	8	35.987	114.707	0.3	B	145	4.85	0.70	RWL	—	—	—	—	2.3	RWL	—	—	—	—
1972 DEC 31	7:21	57.68		—	—	—	37.230	114.960	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1972 DEC 31	13:20	10.32		LM	—	4	36.135	114.699	—	C	204	3.35	—	RWL	—	—	—	—	1.5	RWL	—	—	—	—
1973 JAN 1	4:58	40.41		—	—	—	37.290	115.610	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	—
1973 JAN 3	3:59	13.17		LM	—	5	35.962	114.786	0.1	C	199	7.38	0.10	RWL	—	—	—	—	1.7	RWL	—	—	—	—
1973 JAN 3	6:48	13.39		LM	—	5	35.961	114.787	—	C	202	7.57	—	RWL	—	—	—	—	2.0	RWL	—	—	—	—
1973 JAN 3	9:58	40.13		SIZ	—	—	36.930	116.070	—	—	—	25.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1973 JAN 3	12:43	15.31		SIZ	—	—	37.180	116.020	—	—	—	21.70	—	KKG	—	—	—	—	—	—	—	—	—	—
1973 JAN 3	14: 8	25.88		—	—	—	37.200	114.940	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—
1973 JAN 3	16:54	44.61		LM	—	4	35.964	114.786	—	C	195	6.50	—	RWL	—	—	—	—	1.2	RWL	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY		MAGNITUDE												
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	REF	MD	REF	mb	REF	OTH	REF
1973 JAN 3	21:	6:	43.43				37.050	115.870				20.00*		KKG											
1973 4	1:	40:	47.45	LM		3	35.966	114.788		C	194	5.00*		RWL						1.4	RWL				
1973 5	15:	33:	52.49				36.480	115.710				0.00*		KKG											
1973 6	3:	33:	30.99				36.380	117.890				0.00*		KKG											
1973 7	15:	45:	3.54	LM		5	35.959	114.787	0.1	C	208	7.83	0.20	RWL						2.0	RWL				
1973 7	18:	24:	36.74				36.270	117.850				12.90		KKG											
1973 7	22:	7:	41.34				37.100	117.020				12.10		KKG											
1973 7	23:	24:	10.82				35.720	115.980				0.00		KKG											
1973 8	22:	46:	16.34				37.100	117.000				5.00*		KKG											
1973 8	23:	29:	19.20				35.780	116.590				20.00*		KKG											
1973 9	0:	32:	45.08	SIZ			37.000	116.110				14.20		KKG											
1973 9	22:	32:	14.53				36.350	115.010				13.80		KKG											
1973 10	12:	18:	38.29	LM		6	36.110	114.652	0.2	B	99	5.22	0.50	RWL						1.9	RWL				
1973 11	1:	49:	44.33				37.040	115.190				0.00		KKG											
1973 11	3:	49:	26.52				36.590	115.360				15.00*		KKG											
1973 11	13:	25:	42.05	LM		3	36.080	114.643		C	255	5.00*		RWL						1.2	RWL				
1973 11	16:	20:	37.14				37.070	117.360				10.00*		KKG											
1973 11	23:	25:	47.25				35.950	115.190				5.00*		KKG											
1973 12	2:	30:	47.24	LM		4	35.979	114.702		C	203	7.33		RWL						1.8	RWL				
1973 12	23:	37:	38.32				36.950	114.520				23.70		KKG											
1973 13	0:	20:	55.11				37.180	117.330				0.00*		KKG											
1973 13	0:	28:	49.28				37.230	117.290				0.00*		KKG											
1973 13	1:	28:	18.49	LM		7	35.954	114.789	0.6	C	219	8.86	0.70	RWL						2.3	RWL				
1973 13	1:	29:	0.67	LM		4	35.946	114.800		C	245	9.09		RWL						1.9	RWL				
1973 13	1:	30:	52.50				37.130	117.890				0.00		KKG											
1973 13	5:	22:	34.68	SIZ			37.080	115.940				15.00		KKG											
1973 13	6:	55:	11.85	LM		4	36.000	114.782		C	131	2.47		KKG						1.5	RWL				
1973 13	7:	30:	49.59				37.080	115.530				15.10		RWL											
1973 13	10:	0:	18.88	LM		7	35.955	114.789	0.5	C	217	8.82	0.70	RWL						2.5	RWL				
1973 13	10:	12:	21.29	LM		5	35.960	114.789	0.8	C	208	7.87	1.30	RWL						1.8	RWL				
1973 13	10:	55:	14.09				37.320	115.480				3.00		KKG											
1973 13	11:	8:	52.36	LM		4	35.952	114.793		C	229	9.48		RWL						1.8	RWL				
1973 13	11:	38:	39.31	LM		5	35.946	114.794	3.5	D	242	9.82	4.60	RWL						2.1	RWL				
1973 13	14:	1:	33.90	LM		4	35.952	114.793		C	228	9.53		RWL						1.5	RWL				
1973 13	18:	26:	20.34				37.100	115.530				0.00		KKG											
1973 13	22:	56:	48.52	LM			35.960	114.800				0.00*		KKG											
1973 14	16:	52:	56.54				36.870	116.120				11.60		KKG											
1973 14	21:	2:	5.19				36.650	115.650				0.00*		KKG											
1973 15	19:	32:	39.92				36.320	114.910				11.60		KKG											
1973 16	14:	39:	48.73	SIZ			37.120	116.200				4.60		KKG											
1973 17	23:	59:	33.64	SIZ			37.070	116.170				5.50		KKG											
1973 18	4:	26:	23.93	LM		6	35.931	114.645	0.7	C	229	3.86	2.40	RWL						2.0	RWL				
1973 18	15:	30:	8.23				36.700	115.590				0.00		KKG											
1973 18	15:	31:	17.86				35.930	117.820				10.10		KKG											
1973 18	15:	54:	31.97	LM		6	35.926	114.648	0.8	C	232	3.42	3.40	RWL			1.5	BRP	2.7	PAS					
1973 18	20:	10:	25.10				36.030	116.050				0.00*		KKG						2.0	RWL				
1973 18	20:	58:	58.07	SIZ			37.110	116.250				7.80		KKG											
1973 19	0:	57:	5.95	SIZ			37.110	116.230				5.00		KKG											

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER						INTENSITY		MAGNITUDE											
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF
1973	JAN 19	4:	2:	32.66	LM	—	5	35.890	114.820	2.2	D	287	0.54	53.60	RWL	—	—	—	1.7	RWL	—	—	—
1973	JAN 20	17:	36:	0.06	SIZ	—	—	37.210	116.360	—	—	—	15.00	—	—	—	—	—	—	—	—	—	
1973	JAN 21	9:	13:	9.98	—	—	—	36.970	117.600	—	—	—	15.00*	—	—	—	—	—	—	—	—	—	
1973	JAN 21	10:	58:	40.49	—	—	—	36.510	116.130	—	—	—	6.70	—	—	—	—	—	—	—	—	—	
1973	JAN 21	22:	28:	14.00	LM	—	7	36.043	114.799	0.5	C	95	0.37	86.70	RWL	—	—	—	2.0	RWL	—	—	
1973	JAN 22	3:	2:	56.96	LM	—	4	36.062	114.708	—	—	C 191	6.34	—	—	—	—	—	1.3	RWL	—	—	
1973	JAN 22	3:	19:	5.40	LM	—	4	36.061	114.707	—	—	C 189	6.67	—	—	—	—	—	1.4	RWL	—	—	
1973	JAN 22	3:	32:	3.55	LM	—	4	36.061	114.707	—	—	C 189	6.67	—	—	—	—	—	1.8	RWL	—	—	
1973	JAN 22	5:	11:	17.00	SIZ	—	—	37.090	115.930	—	—	—	19.00	—	—	—	—	—	—	—	—	—	
1973	JAN 22	9:	24:	57.72	LM	—	5	36.066	114.708	0.3	C	102	6.75	0.50	RWL	—	—	—	2.0	RWL	—	—	
1973	JAN 22	15:	44:	58.02	SIZ	—	—	37.170	116.470	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	
1973	JAN 22	23:	42:	0.29	—	—	—	35.730	115.980	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	
1973	JAN 23	4:	9:	11.80	—	—	—	36.540	116.070	—	—	—	14.60	—	—	—	—	—	—	—	—	—	
1973	JAN 23	19:	28:	3.49	LM	—	3	36.091	114.638	—	—	C 264	5.00*	—	—	—	—	—	1.7	RWL	—	—	
1973	JAN 24	14:	55:	40.73	—	—	—	36.540	116.080	—	—	—	13.40	—	—	—	—	—	—	—	—	—	
1973	JAN 25	0:	49:	33.89	—	—	—	36.780	115.720	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	
1973	JAN 26	7:	57:	58.34	LM	—	5	36.043	114.814	0.2	C	116	3.75	0.50	RWL	—	—	—	1.5	RWL	—	—	
1973	JAN 26	13:	3:	17.66	LM	—	5	36.044	114.813	0.1	C	115	3.12	0.20	RWL	—	—	—	1.7	RWL	—	—	
1973	JAN 26	15:	41:	51.18	LM	—	6	36.047	114.810	0.5	B	112	2.19	3.10	RWL	—	—	—	1.9	RWL	—	—	
1973	JAN 26	18:	17:	3.27	LM	—	4	35.952	114.794	—	—	C 229	9.48	—	—	—	—	—	1.4	RWL	—	—	
1973	JAN 26	19:	51:	28.93	—	—	—	35.730	115.980	—	—	—	10.00	—	—	—	—	—	—	—	—	—	
1973	JAN 26	20:	42:	19.28	LM	—	4	35.947	114.798	—	—	C 243	10.75	—	—	—	—	—	1.2	RWL	—	—	
1973	JAN 27	0:	27:	5.67	LM	—	4	35.953	114.794	—	—	C 228	9.62	—	—	—	—	—	1.0	RWL	—	—	
1973	JAN 27	11:	1:	54.00	—	—	—	37.190	117.320	—	—	—	0.00	—	—	—	—	—	—	—	—	—	
1973	JAN 27	11:	21:	37.62	—	—	—	38.140	117.130	—	—	—	25.00	—	—	—	—	—	—	—	—	—	
1973	JAN 27	18:	1:	43.35	—	—	—	36.680	115.850	—	—	—	20.00*	—	—	—	—	—	—	—	—	—	
1973	JAN 28	1:	12:	16.02	—	—	—	36.340	117.830	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	
1973	JAN 28	1:	58:	41.22	—	—	—	36.320	117.860	—	—	—	0.00	—	—	—	—	—	—	—	—	—	
1973	JAN 28	19:	6:	26.78	—	—	—	36.780	116.280	—	—	—	0.00	—	—	—	—	—	—	—	—	—	
1973	JAN 29	14:	8:	50.41	SIZ	—	—	36.850	115.980	—	—	—	7.80	—	—	—	—	—	—	—	—	—	
1973	JAN 29	14:	38:	46.85	—	—	—	37.880	114.730	—	—	—	11.30	—	—	—	—	—	—	—	—	—	
1973	JAN 29	15:	47:	43.66	—	—	—	37.120	114.890	—	—	—	0.00	—	—	—	—	—	—	—	—	—	
1973	JAN 29	20:	4:	33.52	SIZ	—	—	36.850	116.000	—	—	—	0.00	—	—	—	—	—	—	—	—	—	
1973	JAN 31	23:	56:	57.23	LM	—	4	36.082	114.823	—	—	C 123	2.00*	—	—	—	—	—	2.0	RWL	—	—	
1973	FEB 1	15:	14:	50.20	SIZ	—	—	36.810	115.910	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	
1973	FEB 1	21:	39:	48.90	—	1.42	5	36.799	117.213	—	—	—	—	—	—	—	—	—	3.0	RYN	—	—	
1973	FEB 2	0:	10:	30.67	LM	—	4	36.082	114.820	—	—	C 120	2.03	—	—	—	—	—	1.7	RWL	—	—	
1973	FEB 2	0:	43:	50.27	—	—	—	36.330	117.820	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	
1973	FEB 2	23:	24:	15.35	LM	—	5	36.032	114.779	2.0	C	231	8.54	3.00	RWL	—	—	—	1.9	RWL	—	—	
1973	FEB 3	5:	15:	27.03	—	—	—	37.400	115.670	—	—	—	12.10	—	—	—	—	—	3.9	RYN	—	—	
1973	FEB 3	7:	2:	23.56	LM	—	3	36.068	114.711	—	—	C 180	5.00*	—	—	—	—	—	1.6	RWL	—	—	
1973	FEB 3	13:	14:	50.64	—	—	—	36.710	115.810	—	—	—	-0.60	—	—	—	—	—	—	—	—	—	
1973	FEB 4	2:	22:	13.35	LM	—	3	35.972	114.758	—	—	C 219	5.00*	—	—	—	—	—	2.1	RWL	—	—	
1973	FEB 4	4:	34:	31.17	—	—	—	37.310	114.690	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	
1973	FEB 6	13:	48:	5.36	LM	—	7	36.012	114.766	0.2	B	100	2.57	0.90	RWL	—	—	—	2.0	RWL	—	—	
1973	FEB 6	18:	7:	17.34	—	—	—	36.012	114.766	—	—	C 246	0.97	—	—	—	—	—	1.5	RWL	—	—	
1973	FEB 7	7:	12:	8.01	LM	—	4	35.971	114.796	—	—	C 196	4.31	—	—	—	—	—	1.2	RWL	—	—	
1973	FEB 8	0:	18:	4.31	LM	—	4	36.016	114.765	—	—	C 150	5.22	—	—	—	—	—	1.2	RWL	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY				MAGNITUDE															
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1973 FEB 8	7:58:40.62			LM	—	9	36.037	114.771	0.3	A	75	9.32	0.80	RWL	—	—	—	—	—	—	2.3	RWL	—	—	—	—
1973 8	16:34:59.59			SIZ	—	—	36.040	115.370	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 9	5:46:19.09			SIZ	—	—	36.800	115.860	—	—	—	1.50	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 9	23: 9:51.62			SIZ	—	—	36.820	115.900	—	—	—	13.10	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 9	23:10:33.88			SIZ	—	—	36.820	115.900	—	—	—	5.00*	—	—	3	—	—	—	—	—	—	—	—	—	—	
1973 9	23:15:59.94			SIZ	—	—	36.810	115.920	—	—	—	-1.00	—	—	—	—	—	—	—	—	—	—	—	—	4.0 PAS	
1973 10	3:48: 5.26			—	—	—	36.820	116.270	—	—	—	4.30	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 10	6: 2:24.27			SIZ	—	—	36.820	115.870	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 11	1:54:41.60			—	—	—	36.740	116.090	—	—	—	5.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 11	4: 2:39.99			SIZ	—	—	36.750	116.020	—	—	—	9.60	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 11	4:13:33.63			SIZ	—	—	36.750	116.020	—	—	—	14.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 11	6:38:55.26			SIZ	—	—	36.810	115.910	—	—	—	3.60	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 11	6:54: 0.57			SIZ	—	—	37.100	116.030	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 11	9:43:22.40			SIZ	—	—	36.770	116.010	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 11	10:15:34.77			SIZ	—	—	36.810	115.920	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 11	10:18:53.36			SIZ	—	—	36.810	115.870	—	—	—	1.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 11	10:30:18.57			SIZ	—	—	36.820	115.880	—	—	—	0.80	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 11	11:27:39.71			SIZ	—	—	36.810	115.910	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 11	12:39: 4.00			SIZ	—	—	36.820	115.910	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 11	21:43:12.03			LM	—	3	36.057	114.731	—	—	C 165	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 12	1:44:24.90			SIZ	—	—	36.760	116.030	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 12	3:11:57.72			—	—	—	36.200	117.960	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 12	20:21:43.97			—	—	—	36.700	117.250	—	—	—	4.80	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 13	20:21:50.28			SIZ	—	—	36.810	115.900	—	—	—	1.70	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 13	23: 4:38.68			SIZ	—	—	36.810	115.900	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 14	3:52:11.17			LM	—	4	36.071	114.715	—	—	C 127	1.03	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 14	7:53:31.30			SIZ	—	—	37.210	116.190	—	—	—	5.70	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 14	9:16:45.12			—	—	—	36.830	116.280	—	—	—	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 14	9:28: 1.20			—	—	—	36.790	115.580	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 14	19: 1:56.17			SIZ	—	—	37.320	116.440	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 15	0:15:46.12			SIZ	—	—	36.820	115.900	—	—	—	1.60	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 15	0:30:52.69			—	—	—	36.330	114.890	—	—	—	19.80	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 15	1:38: 7.11			SIZ	—	—	36.810	115.890	—	—	—	1.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 15	4:19:17.72			SIZ	—	—	36.810	115.900	—	—	—	1.10	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 15	9:52:57.11			SIZ	—	—	36.820	115.900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 15	10: 9:56.17			SIZ	—	—	36.820	115.890	—	—	—	0.50	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 15	17:56:48.49			LM	—	3	36.126	114.633	—	—	C 262	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 15	21:21:52.62			LM	—	4	35.992	114.770	—	—	C 128	2.93	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 15	23: 6: 8.88			SIZ	—	—	36.820	115.910	—	—	—	16.30	—	—	3	—	—	—	—	—	—	—	—	—	—	
1973 15	23:14:57.13			SIZ	—	—	36.810	115.910	—	—	—	11.70	—	—	3	—	—	—	—	—	—	—	—	—	—	
1973 16	0: 0:55.48			SIZ	—	—	36.810	115.900	—	—	—	8.50	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 16	2:12: 4.10			SIZ	—	—	36.790	116.020	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 16	3:12:47.57			SIZ	—	—	36.800	115.930	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 16	4:10: 5.17			SIZ	—	—	36.810	115.880	—	—	—	5.50	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 16	4:55:11.98			SIZ	—	—	36.810	115.900	—	—	—	8.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 16	6:32:53.76			SIZ	—	—	36.810	115.920	—	—	—	8.00	—	—	—	—	—	—	—	—	—	—	—	—	—	
1973 16	7: 1:42.07			—	—	—	36.940	116.810	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER				INTENSITY		MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1973 FEB 16	10:33:42.15			SIZ	—	—	36.810	115.840	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973 16	10:58:33.51			LM	—	3	35.946	114.798	—	C 244	—	5.00*	—	—	—	—	—	1.5 RWL	—	—	—	—	—
1973 16	13:15:23.65			LM	—	7	35.898	114.831	—	3.7 D 281	—	2.17	6.80	—	—	—	—	1.8 RWL	—	—	—	—	—
1973 16	15:24:57.90			SIZ	—	—	36.820	115.870	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973 17	4:1:20.86			LM	—	4	36.130	114.718	—	C 166	—	7.28	—	—	—	—	—	1.1 RWL	—	—	—	—	—
1973 17	4:56:12.43			—	—	—	36.690	115.970	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973 17	10:58:42.13			LM	—	3	35.933	114.774	—	C 249	—	5.00*	—	—	—	—	—	1.4 RWL	—	—	—	—	—
1973 17	18:30:49.92			LM	—	3	36.068	114.804	—	C 267	—	5.00*	—	—	—	—	—	1.0 RWL	—	—	—	—	—
1973 17	19:53:18.88			SIZ	—	—	36.800	115.800	—	—	—	-0.80	—	—	—	—	—	—	—	—	—	—	—
1973 18	1:18:6.84			—	—	—	36.870	116.320	—	—	—	15.70	—	—	—	—	—	—	—	—	—	—	—
1973 18	7:57:24.80			—	—	—	36.650	115.720	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—
1973 18	18:4:44.23			SIZ	—	—	36.820	115.910	—	—	—	17.70	—	—	—	—	4.0 KKG	3.8 RYN	—	—	—	4.0 PAS	—
1973 18	18:31:10.80			SIZ	—	—	36.810	115.850	—	—	—	5.20	—	—	—	—	—	—	—	—	—	—	—
1973 18	20:9:30.09			SIZ	—	—	36.820	115.930	—	—	—	2.20	—	—	—	—	—	—	—	—	—	—	—
1973 18	21:14:16.94			SIZ	—	—	36.810	115.930	—	—	—	0.70	—	—	—	—	—	—	—	—	—	—	—
1973 18	21:44:10.52			SIZ	—	—	36.810	115.940	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—
1973 19	2:26:55.82			SIZ	—	—	36.810	115.930	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—
1973 19	3:10:41.67			SIZ	—	—	36.820	115.900	—	—	—	16.30	—	—	—	—	2.9 KKG	3.4 RYN	—	—	—	—	3.0 PAS
1973 19	3:13:10.50			SIZ	—	—	36.810	115.910	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—
1973 19	7:26:29.83			SIZ	—	—	36.810	115.890	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—
1973 19	10:12:1.47			SIZ	—	—	36.900	115.490	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973 19	11:15:21.51			SIZ	—	—	36.830	115.850	—	—	—	16.30	—	—	—	—	4.1 PAS	—	—	—	4.3 PDX	—	—
1973 19	11:18:42.39			SIZ	—	—	36.830	115.900	—	—	—	5.00	—	—	—	—	3.0 PAS	2.9 RYN	—	—	—	—	—
1973 19	11:20:48.44			SIZ	—	—	36.810	115.930	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973 19	11:26:50.51			SIZ	—	—	36.820	115.900	—	—	—	15.60	—	—	—	—	3.7 PAS	—	—	—	—	—	—
1973 19	11:33:6.13			SIZ	—	—	36.820	115.920	—	—	—	-0.10	—	—	—	—	—	—	—	—	—	—	—
1973 19	11:34:10.66			SIZ	—	—	36.820	115.930	—	—	—	1.10	—	—	—	—	—	—	—	—	—	—	—
1973 19	11:38:7.73			SIZ	—	—	36.820	115.930	—	—	—	0.50	—	—	—	—	—	—	—	—	—	—	—
1973 19	11:39:0.21			SIZ	—	—	36.820	115.900	—	—	—	15.80	—	—	—	—	3.2 PAS	—	—	—	—	—	—
1973 19	11:41:32.48			SIZ	—	—	36.820	115.890	—	—	—	3.50	—	—	—	—	—	—	—	—	—	—	—
1973 19	11:47:46.57			SIZ	—	—	36.830	115.890	—	—	—	6.40	—	—	—	—	—	—	—	—	—	—	—
1973 19	11:49:39.25			SIZ	—	—	36.790	115.800	—	—	—	15.90	—	—	—	—	—	—	—	—	—	—	—
1973 19	11:50:34.89			SIZ	—	—	36.820	115.910	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—
1973 19	12:1:36.50			SIZ	—	—	36.810	115.850	—	—	—	7.70	—	—	—	—	—	—	—	—	—	—	—
1973 19	12:11:57.00			SIZ	—	—	36.810	115.890	—	—	—	1.90	—	—	—	—	—	—	—	—	—	—	—
1973 19	12:16:44.05			SIZ	—	—	36.820	115.920	—	—	—	-0.30	—	—	—	—	—	—	—	—	—	—	—
1973 19	12:19:20.44			SIZ	—	—	36.810	115.900	—	—	—	4.30	—	—	—	—	—	—	—	—	—	—	—
1973 19	12:20:58.99			SIZ	—	—	36.820	115.930	—	—	—	1.40	—	—	—	—	3.1 PAS	—	—	—	—	—	—
1973 19	12:22:31.54			SIZ	—	—	36.810	115.890	—	—	—	16.10	—	—	—	—	—	—	—	—	—	—	—
1973 19	12:41:49.36			SIZ	—	—	36.810	115.900	—	—	—	4.70	—	—	—	—	—	—	—	—	—	—	—
1973 19	12:55:56.62			SIZ	—	—	36.820	115.920	—	—	—	0.00	—	—	—	—	3.8 PAS	4.2 RYN	—	—	—	—	—
1973 19	13:43:18.98			SIZ	—	—	36.830	115.890	—	—	—	17.80	—	—	—	—	—	—	—	—	—	—	—
1973 19	14:6:4.69			SIZ	—	—	36.810	115.840	—	—	—	16.20	—	—	—	—	—	—	—	—	—	—	—
1973 19	14:41:8.00			SIZ	—	—	36.820	115.900	—	—	—	3.30	—	—	—	—	—	—	—	—	—	—	—
1973 19	15:17:16.50			SIZ	—	—	36.820	115.900	—	—	—	1.70	—	—	—	—	—	—	—	—	—	—	—
1973 19	16:11:58.51			SIZ	—	—	36.810	115.890	—	—	—	1.90	—	—	—	—	—	—	—	—	—	—	—
1973 19	16:29:38.78			SIZ	—	—	36.810	115.910	—	—	—	5.20	—	—	—	—	—	—	—	—	—	—	—
1973 19	17:19:49.87			SIZ	—	—	36.810	115.900	—	—	—	2.80	—	—	—	—	—	—	—	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE																	
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1973 FEB 19	17:27	6	62	SIZ	—	—	36.810	115.890	—	—	—	11.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	17:32	33	61	SIZ	—	—	36.820	115.910	—	—	—	1.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	17:39	52	67	SIZ	—	—	36.820	115.930	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	17:44	25	31	SIZ	—	—	36.810	115.930	—	—	—	1.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	17:46	13	06	SIZ	—	—	36.820	115.900	—	—	—	2.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	18: 4	33	25	SIZ	—	—	36.820	115.900	—	—	—	15.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	18:25	2	14	SIZ	—	—	36.810	115.890	—	—	—	2.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	18:44	45	30	SIZ	—	—	36.810	115.890	—	—	—	2.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	18:50	4	36	SIZ	—	—	36.820	115.950	—	—	—	-0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	18:53	3	59	SIZ	—	—	36.810	115.920	—	—	—	2.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	19:17	26	99	SIZ	—	—	36.820	115.900	—	—	—	3.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	19:21	13	40	SIZ	—	—	36.820	115.910	—	—	—	2.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	19:35	46	91	SIZ	—	—	36.810	115.900	—	—	—	8.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	19:46	35	33	SIZ	—	—	36.820	115.850	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	20: 1	37	67	SIZ	—	—	36.810	115.900	—	—	—	-0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	20:43	33	04	SIZ	—	—	36.820	115.930	—	—	—	0.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	20:58	8	48	SIZ	—	—	36.820	115.900	—	—	—	13.60	—	—	—	—	—	—	3.3	KKG	—	—	—	—	—	—
1973 FEB 19	21:41	26	17	SIZ	—	—	36.820	115.940	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	22:15	5	06	SIZ	—	—	36.810	115.950	—	—	—	1.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	22:27	46	70	SIZ	—	—	36.810	115.920	—	—	—	-1.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	23:10	21	00	SIZ	—	—	36.820	115.910	—	—	—	1.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	23:38	19	50	SIZ	—	—	36.820	115.860	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	23:42	18	98	SIZ	—	—	36.820	115.920	—	—	—	-0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 19	23:53	6	98	SIZ	—	—	36.810	115.950	—	—	—	-0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	1:44	36	63	SIZ	—	—	36.820	115.930	—	—	—	0.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	3:21	56	47	SIZ	—	—	36.810	115.880	—	—	—	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	5: 0	21	79	SIZ	—	—	36.890	116.000	—	—	—	1.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	7: 4	40	11	SIZ	—	—	36.820	115.900	—	—	—	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	7:29	11	53	SIZ	—	—	36.810	115.950	—	—	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	8:36	4	40	SIZ	—	—	36.810	115.900	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	8:55	35	49	LM	—	10	36.089	114.677	0.4	A	77	6.34	0.90	RWL	—	—	—	—	—	—	1.9	RWL	—	—	—	—
1973 FEB 20	9:47	15	06	SIZ	—	—	36.820	115.930	—	—	—	-0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	10: 3	29	03	SIZ	—	—	36.820	115.890	—	—	—	0.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	10: 8	16	08	SIZ	—	—	36.820	115.940	—	—	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	10:42	36	60	SIZ	—	—	36.820	115.910	—	—	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	13:19	21	52	LM	—	4	36.090	114.671	—	C	160	0.05	—	—	—	—	—	—	—	—	—	1.6	RWL	—	—	—
1973 FEB 20	14:24	9	90	LM	—	7	35.982	114.702	0.9	B	98	6.59	3.20	RWL	—	—	—	—	—	—	—	1.9	RWL	—	—	—
1973 FEB 20	14:48	59	28	SIZ	—	—	36.820	115.900	—	—	—	9.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	15:43	8	47	SIZ	—	—	36.830	115.880	—	—	—	5.00*	—	—	—	—	—	—	3.5	KKG	—	—	—	—	—	—
1973 FEB 20	16: 5	32	51	SIZ	—	—	36.810	115.910	—	—	—	6.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	16:36	14	79	SIZ	—	—	36.810	115.900	—	—	—	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	17:44	16	82	SIZ	—	—	36.810	115.890	—	—	—	8.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	20: 4	22	57	SIZ	—	—	36.820	115.920	—	—	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	21:53	3	01	SIZ	—	—	36.820	115.930	—	—	—	2.10	—	—	—	—	—	—	—	—	—	2.8	RYN	—	—	—
1973 FEB 20	22: 9	21	56	SIZ	—	—	36.820	115.890	—	—	—	1.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 20	22:44	58	09	SIZ	—	—	36.810	115.950	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 21	0:28	9	53	SIZ	—	—	36.810	115.890	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 FEB 21	2:29	33	70	SIZ	—	—	36.810	115.890	—	—	—	2.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE																	
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1973 FEB 21	3	5	9.80	SIZ	—	—	36.810	115.850	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 21	4	25	24.85	SIZ	—	—	36.810	115.940	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 21	4	30	10.98	SIZ	—	—	36.820	115.890	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 21	6	43	0.13	SIZ	—	—	36.820	115.930	—	—	—	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 21	7	43	51.02	SIZ	—	—	36.810	115.930	—	—	—	1.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 21	7	59	48.10	LM	—	4	36.804	114.727	—	C	156	0.63	—	—	—	—	—	—	—	—	1.6	RWL	—	—	—	—
1973 21	9	57	46.84	SIZ	—	—	36.810	115.910	—	—	—	3.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 21	10	1	7.51	SIZ	—	—	36.820	115.900	—	—	—	3.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 21	11	5	8.76	SIZ	—	—	36.820	115.920	—	—	—	2.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 21	17	0	2.30	LM	—	5	35.991	114.711	0.2	C	97	3.51	0.80	RWL	—	—	—	—	—	—	1.1	RWL	—	—	—	—
1973 21	18	15	46.32	SIZ	—	—	36.810	115.900	—	—	—	8.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 22	0	29	14.92	SIZ	—	—	36.820	115.890	—	—	—	1.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 22	0	47	24.83	SIZ	—	—	37.180	116.280	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 22	1	23	24.29	SIZ	—	—	36.810	115.920	—	—	—	-0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 22	5	37	49.67	SIZ	—	—	37.300	116.510	—	—	—	-0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 22	6	17	24.47	SIZ	—	—	37.310	116.520	—	—	—	15.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 22	10	2	49.00	SIZ	—	—	36.810	115.900	—	—	—	4.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 22	12	48	27.71	SIZ	—	—	36.810	115.910	—	—	—	4.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 22	23	9	10.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 23	0	20	41.81	SIZ	—	—	35.900	115.250	—	—	—	20.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 23	0	52	24.51	SIZ	—	—	36.820	115.910	—	—	—	1.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 23	0	56	24.89	SIZ	—	—	36.810	115.920	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 23	4	13	19.35	SIZ	—	—	36.810	115.910	—	—	—	2.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 23	11	36	31.95	LM	—	6	36.110	114.688	0.1	B	171	2.40	0.20	RWL	—	—	—	—	—	—	1.8	RWL	—	—	—	—
1973 23	12	13	33.23	LM	—	4	36.115	114.683	—	C	181	5.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 23	12	30	35.57	LM	—	5	36.113	114.689	0.4	C	174	6.89	0.80	RWL	—	—	—	—	—	—	1.3	RWL	—	—	—	—
1973 23	14	26	11.02	SIZ	—	—	36.820	115.890	—	—	—	3.10	—	—	—	—	—	—	—	—	—	1.5	RWL	—	—	—
1973 23	16	58	19.82	SIZ	—	—	36.810	115.900	—	—	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 23	18	1	18.63	SIZ	—	—	36.810	115.940	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 23	18	53	12.46	LM	—	6	36.093	114.676	1.0	B	113	2.92	3.20	RWL	—	—	—	—	—	—	2.1	RWL	—	—	—	—
1973 23	19	27	11.30	SIZ	—	—	36.820	115.870	—	—	—	4.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 23	19	57	18.95	SIZ	—	—	36.820	115.910	—	—	—	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 23	20	9	51.13	SIZ	—	—	36.810	115.910	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 23	20	56	56.47	SIZ	—	—	36.820	115.810	—	—	—	1.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 24	2	49	0.89	SIZ	—	—	36.820	115.920	—	—	—	0.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 24	5	55	8.27	SIZ	—	—	36.810	115.890	—	—	—	1.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 24	13	40	8.56	SIZ	—	—	36.820	115.920	—	—	—	0.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 24	17	51	24.43	LM	—	8	36.037	114.651	0.2	A	83	5.33	0.40	RWL	—	—	—	—	—	—	2.0	RWL	—	—	—	—
1973 24	18	28	1.27	SIZ	—	—	36.820	115.910	—	—	—	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 24	21	56	58.00	SIZ	—	—	36.330	114.930	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 24	23	24	22.35	—	—	—	37.370	117.640	—	—	—	20.00*	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 25	2	4	27.95	LM	—	4	36.100	114.635	—	C	191	5.04	—	—	—	—	—	—	—	—	—	1.5	RWL	—	—	—
1973 25	4	9	26.08	SIZ	—	—	36.820	115.890	—	—	—	3.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 25	4	11	31.47	SIZ	—	—	36.820	115.910	—	—	—	1.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 25	6	35	58.97	SIZ	—	—	36.820	115.950	—	—	—	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 25	6	49	23.61	LM	—	3	35.928	114.601	—	C	258	5.00*	—	—	—	—	—	—	—	—	1.4	RWL	—	—	—	—
1973 25	6	57	2.50	SIZ	—	—	36.810	115.930	—	—	—	0.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 25	7	34	15.16	—	—	—	37.390	115.680	—	—	—	14.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE											
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	MB	REF	OTH	REF	
1973 FEB 25		7:38	26	65	SIZ	—	—	36.810	115.980	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 25		12:39	32	14	SIZ	—	—	36.810	115.940	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 25		13: 0	41	25	SIZ	—	—	36.780	115.910	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 25		15:38	37	59	SIZ	—	—	36.780	115.960	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 25		20:25	42	79	SIZ	—	—	36.780	115.970	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 26		3:55	19	32	SIZ	—	—	36.820	115.900	—	—	—	2.00	—	KKG	4	BRP	3.0	BRP	—	3.6	PDX	3.6	GDY
1973 FEB 26		4: 9	8	25	SIZ	—	—	36.810	115.900	—	—	—	4.70	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 26		6:34	51	55	SIZ	—	—	36.810	115.890	—	—	—	1.50	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 26		8:34	47	98	SIZ	—	—	36.820	115.910	—	—	—	1.20	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 26		10:59	37	97	SIZ	—	—	36.800	115.890	—	—	—	0.50	—	KKG	—	—	—	1.5	RWL	—	—	—	
1973 FEB 26		20:51	28	87	LM	—	4	35.959	114.623	—	C	192	4.13	—	RWL	—	—	—	—	—	—	—	—	
1973 FEB 27		1:55	48	09	SIZ	—	—	36.820	115.890	—	—	—	1.30	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		2:43	9	78	SIZ	—	—	36.810	115.920	—	—	—	2.10	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		3:43	28	68	SIZ	—	—	36.810	115.940	—	—	—	2.30	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		4:10	54	19	LM	—	4	35.976	114.812	—	C	211	8.04	—	RWL	—	—	—	1.2	RWL	—	—	—	
1973 FEB 27		5:38	6	42	LM	—	8	35.993	114.792	—	0.3	B 154	3.70	—	1.00	RWL	—	—	2.1	RWL	—	—	—	
1973 FEB 27		8:38	49	95	SIZ	—	—	36.820	115.920	—	—	—	2.90	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		8:48	35	08	SIZ	—	—	36.810	115.900	—	—	—	1.70	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		9:47	7	86	SIZ	—	—	36.820	115.920	—	—	—	2.30	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		9:55	22	29	SIZ	—	—	36.810	115.850	—	—	—	16.70	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		10: 2	11	29	LM	—	7	36.043	114.799	—	0.3	C 95	0.54	—	59.50	RWL	—	—	1.8	RWL	—	—	—	
1973 FEB 27		11:34	37	31	SIZ	—	—	36.780	115.930	—	—	—	-0.10	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		11:45	32	53	LM	—	7	36.044	114.799	—	0.4	B 96	1.58	—	4.30	RWL	—	—	1.8	RWL	—	—	—	
1973 FEB 27		11:50	35	51	SIZ	—	—	36.780	115.920	—	—	—	0.60	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		13: 3	1	38	SIZ	—	—	36.820	115.910	—	—	—	4.00	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		13:28	32	88	SIZ	—	—	36.820	115.900	—	—	—	0.90	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		14:28	3	11	SIZ	—	—	36.990	116.250	—	—	—	7.00	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		19: 0	21	33	SIZ	—	—	36.820	115.900	—	—	—	1.40	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		19: 1	40	32	SIZ	—	—	36.820	115.920	—	—	—	0.80	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		19:49	18	51	SIZ	—	—	36.810	115.930	—	—	—	-0.60	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 27		19:58	17	20	SIZ	—	—	36.820	115.930	—	—	—	1.50	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 28		0:31	21	16	SIZ	—	—	36.810	115.940	—	—	—	3.90	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 28		2: 0	34	31	SIZ	—	—	36.820	115.930	—	—	—	0.20	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 28		3:34	18	04	SIZ	—	—	36.820	115.910	—	—	—	2.40	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 28		5:31	32	84	SIZ	—	—	36.820	115.930	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 28		8: 0	7	09	SIZ	—	—	36.810	115.900	—	—	—	12.30	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 28		10:44	16	84	SIZ	—	—	36.810	115.940	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 28		10:59	32	52	SIZ	—	—	36.820	115.910	—	—	—	3.40	—	KKG	—	—	—	—	—	—	—	—	
1973 FEB 28		11: 1	15	78	SIZ	—	—	36.810	115.900	—	—	—	0.20	—	KKG	—	—	—	—	—	—	—	—	
1973 MAR 1		2: 6	55	96	SIZ	—	—	36.820	115.870	—	—	—	5.10	—	KKG	—	—	—	—	—	—	—	—	
1973 MAR 1		2: 9	56	73	SIZ	—	—	36.820	115.890	—	—	—	1.50	—	KKG	—	—	—	—	—	—	—	—	
1973 MAR 1		3:16	15	60	SIZ	—	—	36.820	115.910	—	—	—	1.10	—	KKG	—	—	—	—	—	—	—	—	
1973 MAR 1		4:14	27	95	LM	—	7	36.094	114.735	—	0.3	B 99	5.13	—	0.90	RWL	—	—	1.9	RWL	—	—	—	
1973 MAR 1		6:12	27	29	SIZ	—	—	36.820	115.930	—	—	—	2.10	—	KKG	—	—	—	—	—	—	—	—	
1973 MAR 1		11: 7	30	75	SIZ	—	—	36.810	115.920	—	—	—	1.60	—	KKG	—	—	—	—	—	—	—	—	
1973 MAR 1		14: 0	55	41	SIZ	—	—	36.810	115.910	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	
1973 MAR 1		14:57	20	37	SIZ	—	—	36.820	115.930	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	
1973 MAR 1		18:42	44	37	SIZ	—	—	36.820	115.950	—	—	—	1.80	—	KKG	—	—	—	—	—	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE														
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF	
1973 MAR	1	18:46:	0.57		SIZ	—	—	36.810	115.950	—	—	—	0.40	—	KKG	—	—	—	—	—	—	—	—	—	
	1	18:52:	32.72		SIZ	—	—	36.810	115.920	—	—	—	3.30	—	KKG	—	—	—	—	—	—	—	—		
	1	22: 1:	27.33		SIZ	—	—	36.810	115.910	—	—	—	1.00	—	KKG	—	—	—	—	—	—	—	—		
	1	23:54:	24.48		SIZ	—	—	36.820	115.920	—	—	—	0.80	—	KKG	—	—	—	—	—	—	—	—		
	2	0:10:	57.12		SIZ	—	—	36.820	115.930	—	—	—	1.70	—	KKG	—	—	—	—	—	—	—	—		
	2	4:26:	9.82		SIZ	—	—	36.820	115.920	—	—	—		—	KKG	—	—	—	—	—	—	—	—		
1973	2	8:14:	42.37		LM	—	6	36.092	114.734	0.4	B	179	5.92	1.10	RWL	—	—	—	1.7	RWL	—	—	—	—	
	2	14:11:	1.56		LM	—	8	36.093	114.735	0.3	B	99	5.09	1.00	RWL	—	—	—	2.3	RWL	—	—	—	—	
	2	18:21:	36.37		LM	—	7	36.094	114.736	0.3	B	99	5.17	0.90	RWL	—	—	—	1.8	RWL	—	—	—	—	
	3	1:18:	44.11		LM	—	6	36.035	114.776	1.2	B	131	9.55	3.10	RWL	—	—	—	1.5	RWL	—	—	—	—	
	3	1:23:	29.12		LM	—	6	36.093	114.737	0.5	B	97	5.61	1.30	RWL	—	—	—	1.6	RWL	—	—	—	—	
	3	3:19:	31.55		LM	—	8	36.095	114.735	0.3	B	99	5.35	0.90	RWL	—	—	—	2.0	RWL	—	—	—	—	
1973	3	9:50:	9.14		LM	—	5	35.958	114.798	1.2	C	221	5.21	1.80	RWL	—	—	—	1.3	RWL	—	—	—	—	
	4	11:12:	51.40			0.31	7	36.063	115.185	—	—	—	—	—	RYN	—	—	—	2.8	RYN	—	—	—	—	
	4	13:13:	24.04		SIZ	—	—	36.820	115.910	—	—	—	1.60	—	KKG	—	—	—	—	—	—	—	—	—	
	4	14:45:	16.62		LM	—	7	36.096	114.735	0.5	B	100	5.52	1.40	RWL	—	—	—	1.7	RWL	—	—	—	—	
1973	4	19:43:	5.41		LM	—	8	36.095	114.733	0.5	B	102	5.01	1.50	RWL	—	—	—	1.9	RWL	—	—	—	—	
	4	19:44:	51.98		LM	—	5	36.091	114.734	0.1	C	128	5.62	0.20	RWL	—	—	—	1.9	RWL	—	—	—	—	
1973	4	20:27:	21.72		LM	—	6	36.092	114.735	0.3	B	98	5.53	0.90	RWL	—	—	—	1.6	RWL	—	—	—	—	—
	5	4:22:	45.02		SIZ	—	—	36.810	115.930	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
	5	8:34:	14.78			—	—	36.950	115.060	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
	5	8:49:	55.39		LM	—	—	36.970	115.070	—	—	—	0.60	—	KKG	—	—	—	—	—	—	—	—	—	
	5	9:24:	17.57		LM	—	9	36.095	114.735	0.2	A	83	5.28	0.50	RWL	—	—	—	2.6	RWL	—	—	—	—	
1973	5	9:25:	11.76		LM	—	7	36.093	114.731	0.7	B	103	6.02	1.70	RWL	—	—	—	1.9	RWL	—	—	—	—	—
	5	9:33:	2.43		LM	—	9	36.095	114.735	0.2	B	82	5.07	0.70	RWL	—	—	—	2.8	RWL	—	—	—	—	
	5	9:37:	47.63		LM	—	8	36.095	114.735	0.3	B	100	5.19	0.90	RWL	—	—	—	2.3	RWL	—	—	—	—	
	5	9:39:	39.03		LM	—	5	36.096	114.739	0.5	C	144	6.24	1.10	RWL	—	—	—	1.5	RWL	—	—	—	—	
	5	9:41:	26.58		LM	—	8	36.095	114.735	0.2	B	82	5.04	0.70	RWL	—	—	—	2.0	RWL	—	—	—	—	
1973	5	10:23:	26.42		SIZ	—	—	36.820	115.930	—	—	—	0.70	—	KKG	—	—	—	—	—	—	—	—	—	
	5	13:18:	47.09		LM	—	5	36.097	114.739	0.5	C	144	6.11	1.20	RWL	—	—	—	1.5	RWL	—	—	—	—	
1973	5	13:50:	9.80		SIZ	—	—	36.820	115.930	—	—	—	0.00	—	KKG	—	—	—	—	—	—	—	—	—	
	5	16:52:	17.04		LM	—	6	36.093	114.735	0.5	B	99	5.14	1.40	RWL	—	—	—	1.9	RWL	—	—	—	—	
	5	23:58:	8.35		LM	—	9	36.096	114.734	0.2	B	82	5.09	0.60	RWL	—	—	—	2.4	RWL	—	—	—	—	
	6	0: 9:	4.04		SIZ	—	—	36.820	115.870	—	—	—	6.50	—	KKG	—	—	—	—	—	—	—	—	—	
	6	5:28:	9.52			—	—	36.790	116.280	—	—	—	7.30	—	KKG	—	—	—	—	—	—	—	—	—	
	6	7: 5:	2.83			—	—	37.400	116.690	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	—	—	—	
1973	6	7:48:	57.37		LM	—	6	35.904	114.654	1.3	C	251	5.77	1.20	RWL	—	—	—	1.7	RWL	—	—	—	—	
	6	9:57:	25.91		LM	—	8	36.096	114.731	0.6	B	105	5.86	1.60	RWL	—	—	—	1.6	RWL	—	—	—	—	
	6	10:37:	41.52		LM	—	3	36.096	114.744	—	C	223	6.00*	—	RWL	—	—	—	1.2	RWL	—	—	—	—	
	6	12:11:	36.22		LM	—	4	36.129	114.643	—	C	290	6.00*	—	RWL	—	—	—	1.2	RWL	—	—	—	—	
	6	15:44:	22.41		LM	—	9	36.096	114.736	0.2	A	83	5.32	0.60	RWL	—	—	—	2.4	RWL	—	—	—	—	
	6	20:11:	44.92		LM	—	4	36.085	114.736	—	C	227	6.80	—	RWL	—	—	—	1.5	RWL	—	—	—	—	
1973	7	8:13:	4.50		LM	—	8	36.048	114.809	0.5	B	111	5.05	1.50	RWL	—	—	—	2.3	RWL	—	—	—	—	—
	7	9:31:	50.14		LM	—	8	36.098	114.733	0.3	B	104	5.11	0.80	RWL	—	—	—	2.0	RWL	—	—	—	—	—
	7	15:30:	15.55		SIZ	—	—	36.800	115.910	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
	8	1:20:	20.49			—	—	37.620	117.750	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	
	8	2: 4:	43.57			—	—	37.180	117.300	—	—	—	10.00*	—	KKG	—	—	—	—	—	—	—	—	—	
	8	11:12:	16.48		LM	—	3	36.092	114.890	—	C	281	5.00*	—	RWL	—	—	—	—	—	—	—	—	—	

SG8 HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME HR MN SEC		HYPOCENTER					INTENSITY			MAGNITUDE											
			FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	MD	MB	REF	OTH	REF
1973 MAR 8	23:11:54.20		LM	—	5	36.099	114.731	0.3	C	120	5.14	0.70	RWL	—	—	—	—	1.8	RWL	—	—	—
1973 9	4:39: 8.98		SIZ	—	—	36.820	115.870	—	—	—	0.60	—	—	—	—	—	—	—	—	—	—	—
1973 9	6:17: 3.23		LM	—	4	35.991	114.738	—	C	154	0.28	—	—	—	—	—	—	1.5	RWL	—	—	—
1973 9	7:50:34.38		LM	—	5	36.091	114.734	0.1	C	178	6.50	0.30	RWL	—	—	—	—	1.4	RWL	—	—	—
1973 9	10:34:30.80		LM	—	—	37.420	117.010	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—
1973 9	14:35:49.41		LM	—	5	35.979	114.784	0.6	C	165	5.33	1.50	RWL	—	—	—	—	1.6	RWL	—	—	—
1973 9	20:52:20.35		SIZ	—	—	36.810	115.890	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 9	23:42:34.09		LM	—	—	35.710	116.010	—	—	—	10.00	—	—	—	—	—	—	—	—	—	—	—
1973 11	2: 6:53.99		LM	—	6	36.095	114.733	0.5	B	102	5.29	1.30	RWL	—	—	—	—	1.6	RWL	—	—	—
1973 11	5:37:57.15		LM	—	9	36.096	114.735	0.2	A	83	5.26	0.50	RWL	—	—	—	—	2.8	RWL	—	—	—
1973 11	5:39: 0.87		LM	—	4	36.096	114.732	—	—	—	5.45	—	—	—	—	—	—	1.7	RWL	—	—	—
1973 11	6:13:58.99		LM	—	6	36.090	114.735	0.4	B	97	5.43	1.00	RWL	—	—	—	—	1.3	RWL	—	—	—
1973 11	6:43:49.47		LM	—	4	36.090	114.736	—	—	C	188	—	—	—	—	—	—	1.1	RWL	—	—	—
1973 11	6:43:50.64		LM	—	4	36.092	114.735	—	—	C	189	—	—	—	—	—	—	1.8	RWL	—	—	—
1973 11	7:26:55.13		LM	—	—	35.920	114.860	—	—	—	—	—	—	—	—	—	—	2.8	RWL	—	—	—
1973 11	7:28: 3.13		LM	—	5	36.094	114.633	0.2	C	112	6.89	0.30	RWL	—	—	—	—	1.6	RWL	—	—	—
1973 11	9:41:26.83		LM	—	5	36.093	114.734	0.3	C	180	5.85	0.70	RWL	—	—	—	—	1.4	RWL	—	—	—
1973 11	10:36:13.85		LM	—	4	36.126	114.710	—	—	C	218	—	—	—	—	—	—	1.5	RWL	—	—	—
1973 11	11:17:44.02		LM	—	5	36.068	114.746	0.4	C	135	6.00*	0.80	RWL	—	—	—	—	1.5	RWL	—	—	—
1973 12	4: 2:14.96		LM	—	5	36.095	114.733	0.3	C	182	6.62	0.70	RWL	—	—	—	—	1.4	RWL	—	—	—
1973 12	6:38:29.46		LM	—	4	36.950	114.601	—	—	C	222	—	—	—	—	—	—	0.7	RWL	—	—	—
1973 12	7:57:56		LM	—	4	36.102	114.675	—	—	C	172	—	—	—	—	—	—	1.3	RWL	—	—	—
1973 12	13:15:12.07		LM	—	9	36.091	114.735	0.4	B	81	4.37	1.60	RWL	—	—	—	—	1.9	RWL	—	—	—
1973 12	13:57:53.03		LM	—	4	35.989	114.713	—	—	C	155	—	—	—	—	—	—	1.1	RWL	—	—	—
1973 12	14:29: 3.26		LM	—	7	36.097	114.733	0.6	B	104	5.57	1.60	RWL	—	—	—	—	1.6	RWL	—	—	—
1973 12	15: 8:31.55		LM	—	—	35.750	117.500	—	—	—	10.00*	—	—	—	—	—	—	—	—	—	—	—
1973 13	2:26:48.75		SIZ	—	—	36.810	115.890	—	—	—	1.70	—	—	—	—	—	—	—	—	—	—	3.3 GDY
1973 13	4: 8:46.94		SIZ	—	—	37.140	115.890	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—
1973 13	4:31:18.86		SIZ	—	—	36.820	115.870	—	—	—	4.70	—	—	—	—	—	—	—	—	—	—	—
1973 13	5:25:51.89		LM	—	4	36.128	114.668	—	—	C	207	—	—	—	—	—	—	1.3	RWL	—	—	—
1973 13	7: 4:12.40		LM	—	3	36.102	114.660	—	—	C	279	—	—	—	—	—	—	0.9	RWL	—	—	—
1973 13	7:43:40.53		LM	—	3	36.102	114.661	—	—	C	279	—	—	—	—	—	—	0.6	RWL	—	—	—
1973 13	11:17: 5.95		SIZ	—	—	36.810	115.900	—	—	—	7.60	—	—	—	—	—	—	—	—	—	—	—
1973 13	21:43: 0.58		SIZ	—	—	36.810	115.910	—	—	—	2.20	—	—	—	—	—	—	—	—	—	—	—
1973 13	22:31:33.50		SIZ	—	—	36.810	115.910	—	—	—	14.70	—	—	—	—	—	—	3.4	RYN	—	—	—
1973 13	22:37: 3.92		SIZ	—	—	36.810	115.900	—	—	—	4.80	—	—	—	—	—	—	—	—	—	—	—
1973 13	22:39: 7.51		SIZ	—	—	36.810	115.900	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—
1973 14	0:23: 7.50		SIZ	—	—	36.810	115.910	—	—	—	7.90	—	—	—	—	—	—	—	—	—	—	—
1973 14	9:20:46.50		SIZ	—	—	36.820	115.880	—	—	—	3.30	—	—	—	—	—	—	—	—	—	—	—
1973 14	18:51:14.55		LM	—	7	36.097	114.733	0.3	B	103	5.32	1.00	RWL	—	—	—	—	1.9	RWL	—	—	—
1973 14	21:32: 8.24		SIZ	—	—	36.780	115.910	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973 15	0:29:17.02		SIZ	—	—	36.820	115.900	—	—	—	4.80	—	—	—	—	—	—	—	—	—	—	—
1973 15	16:11:10.48		LM	—	3	36.036	114.702	—	—	C	154	—	—	—	—	—	—	1.4	RWL	—	—	—
1973 15	23: 6:51.88		LM	—	—	35.820	115.340	—	—	—	15.00*	—	—	—	—	—	—	—	—	—	—	—
1973 16	7:40: 7.68		LM	—	4	36.096	114.734	—	—	C	228	—	—	—	—	—	—	1.2	RWL	—	—	—
1973 17	2:22:43.08		SIZ	—	—	36.810	115.910	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973 17	17:18:39.57		LM	—	3	36.095	114.739	—	—	C	214	—	—	—	—	—	—	1.4	RWL	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE														
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1973	MAR 18	6:44:42.91						37.600	114.580				0.60		KKG												
1973	MAR 18	19:40:25.85			LM		3	36.095	114.735		C	183	5.00*		RWL							1.4	RWL				
1973	MAR 19	1:50:3.65			SIZ			36.810	115.910				1.50		KKG												
1973	MAR 19	1:53:38.00			SIZ			36.810	115.910				2.60		KKG												
1973	MAR 19	3:6:54.28			SIZ			36.810	115.900				1.60		KKG												
1973	MAR 19	3:12:49.38			SIZ			36.810	115.890				1.80		KKG												
1973	MAR 19	13:34:17.52			SIZ			36.810	115.880				1.80		KKG												
1973	MAR 19	22:40:7.64			SIZ			36.810	115.900				1.20		KKG												
1973	MAR 20	13:22:17.93			LM		4	36.113	114.684		C	178	6.06		RWL							1.4	RWL				
1973	MAR 20	13:34:59.44			SIZ			36.820	115.900				0.70		KKG												
1973	MAR 20	21:34:7.35			LM		6	36.010	114.752		0.3	C	141	1.58	3.60	RWL						1.9	RWL				
1973	MAR 21	21:44:3.23						36.790	116.290				5.00*		KKG												
1973	MAR 22	3:49:10.77			LM		4	36.092	114.739		C	131	0.11		RWL							1.1	RWL				
1973	MAR 22	8:58:2.55			SIZ			36.810	115.890				1.80		KKG												
1973	MAR 22	10:50:10.20				0.21	4	37.365	117.715						RYN							2.2	RYN				
1973	MAR 22	22:59:50.75			LM		5	36.097	114.737		0.2	C	142	6.08	0.40	RWL						1.5	RWL				
1973	MAR 23	8:14:36.72			SIZ			36.800	115.940				0.00*		KKG												
1973	MAR 23	18:9:49.70			LM		6	36.008	114.720		0.3	B	116	4.19	0.70	RWL						2.1	RWL				
1973	MAR 23	19:44:35.50			LM		3	35.973	114.702		C	210	5.00*		RWL							1.5	RWL				
1973	MAR 24	9:21:6.24			LM		3	36.070	114.666		C	219	5.00*		RWL							0.9	RWL				
1973	MAR 24	18:18:37.86						36.790	117.620				5.00*		KKG												
1973	MAR 25	3:30:24.23						36.770	115.800				14.30		KKG												
1973	MAR 25	5:58:59.13						36.770	115.790				12.10		KKG												
1973	MAR 25	6:56:12.53			LM		4	36.091	114.638		C	157	5.09		RWL							1.4	RWL				
1973	MAR 26	1:9:27.44			LM		4	36.095	114.734		C	124	3.66		RWL							2.3	RWL				
1973	MAR 26	9:49:3.00			LM			37.010	117.520				19.20		KKG												
1973	MAR 26	13:9:17.70			LM		7	36.098	114.733		0.4	B	104	5.35	1.10	RWL						1.5	RWL				
1973	MAR 26	20:52:45.19			LM		7	36.095	114.736		0.3	B	99	5.42	0.80	RWL						1.9	RWL				
1973	MAR 27	0:59:19.20				0.44	6	37.431	115.736						RYN							2.8	RYN				
1973	MAR 27	1:0:18.11						37.500	115.680				-1.00		KKG												
1973	MAR 27	1:1:59.78			LM		3	36.070	114.665		C	218	5.00*		RWL							1.3	RWL				
1973	MAR 27	2:21:44.10			SIZ			36.810	115.950				0.00*		KKG												
1973	MAR 27	3:32:50.46						38.220	115.590				5.00*		KKG												
1973	MAR 27	5:3:21.68			LM		9	36.096	114.733		0.2	B	81	5.06	0.70	RWL						2.4	RWL				
1973	MAR 27	7:59:8.13			SIZ			36.820	115.840				4.10		KKG												
1973	MAR 27	14:58:6.71			LM		9	36.094	114.735		0.2	B	82	5.11	0.60	RWL						2.2	RWL				
1973	MAR 27	20:22:54.50			LM			36.290	114.890				11.20		KKG												
1973	MAR 28	8:54:58.95			LM		4	35.993	114.571		C	176	8.58		RWL							1.5	RWL				
1973	MAR 28	10:41:59.71			SIZ			36.990	115.900				20.00*		KKG												
1973	MAR 28	11:51:41.82			SIZ			36.810	115.920				1.90		KKG												
1973	MAR 28	16:7:17.89			SIZ			36.810	115.890				0.60		KKG												
1973	MAR 28	16:37:52.44			SIZ			36.820	115.890				1.10		KKG												
1973	MAR 29	1:59:10.05			SIZ			36.820	115.890				2.00		KKG												
1973	MAR 29	6:7:5.11			SIZ			36.770	116.070				0.00		KKG												
1973	MAR 30	3:21:14.61			SIZ			36.810	115.920				0.00		KKG												
1973	MAR 30	14:16:33.00				0.25	6	38.464	117.879				5.00*		RYN							3.1	RYN				
1973	MAR 31	23:7:2.62						37.760	116.020				0.00*		KKG												
1973	APR 1	1:32:10.82			SIZ			36.770	116.070				0.00*		KKG												

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE														
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF	
1973 APR	1	14:56	53.26	SIZ	—	—	36.810	115.940	—	—	—	1.30	—	—	—	—	—	—	—	—	—	—	—	
1973	2	15: 5	54.99	—	—	—	37.170	117.590	—	—	—	5.90	—	—	—	—	—	—	2.8	RYN	—	—	—	
1973	2	21:17	2.25	SIZ	—	—	36.800	115.950	—	—	—	3.10	—	—	—	—	—	—	—	—	—	—	—	
1973	3	10:18	47.14	SIZ	—	—	36.810	115.890	—	—	—	0.40	—	—	—	—	—	—	—	—	—	—	—	
1973	4	19:42	34.93	—	—	—	36.410	115.780	—	—	—	20.60	—	—	—	—	—	—	—	—	—	—	—	
1973	6	6:41	21.12	—	—	—	37.470	115.650	—	—	—	25.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	6	18:13	8.24	LM	—	6	36.118	114.712	0.1	B	146	6.77	0.30	RWL	—	—	—	1.8	RWL	—	—	—	—	
1973	7	2:59	29.07	SIZ	—	—	36.860	115.860	—	—	—	15.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	7	5:50	27.85	—	—	—	36.530	117.860	—	—	—	10.20	—	—	—	—	—	—	—	—	—	—	—	
1973	7	21:24	24.94	—	—	—	36.670	116.250	—	—	—	15.70	—	—	—	—	—	—	—	—	—	—	—	
1973	8	5: 9	47.45	—	—	—	36.680	116.250	—	—	—	14.10	—	—	—	—	—	—	—	—	—	—	—	
1973	8	5:21	59.95	—	—	—	36.790	116.290	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	8	10:48	3.37	LM	—	5	36.051	114.819	0.9	C	199	5.02	2.10	RWL	—	—	—	1.5	RWL	—	—	—	—	
1973	8	11:56	13.25	LM	—	4	36.014	114.711	—	C	174	5.00*	—	—	—	—	—	1.4	RWL	—	—	—	—	
1973	9	4: 7	31.43	—	—	—	36.670	116.250	—	—	—	14.40	—	—	—	—	—	—	—	—	—	—	—	
1973	9	10:14	3.99	—	—	—	37.290	114.830	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	9	10:19	20.93	LM	—	5	36.000	114.706	0.4	C	88	4.22	1.20	RWL	—	—	—	1.2	RWL	—	—	—	—	
1973	9	10:46	59.16	LM	—	5	36.097	114.735	0.2	C	139	6.18	0.40	RWL	—	—	—	1.3	RWL	—	—	—	—	
1973	9	14:45	51.31	LM	—	5	36.013	114.752	0.3	C	144	2.27	1.80	RWL	—	—	—	1.1	RWL	—	—	—	—	
1973	10	4:27	35.47	LM	—	5	36.121	114.712	0.2	C	161	5.98	0.30	RWL	—	—	—	1.4	RWL	—	—	—	—	
1973	10	4:28	35.53	—	—	—	36.820	116.300	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	10	6:55	6.88	—	—	—	36.820	116.310	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	10	9:25	20.79	—	—	—	37.340	114.680	—	—	—	20.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	10	16:18	40.94	LM	—	6	36.001	114.707	0.3	A	90	3.35	0.90	RWL	—	—	—	1.7	RWL	—	—	—	—	
1973	10	16:19	54.25	LM	—	8	36.001	114.707	0.2	A	74	3.23	0.50	RWL	—	—	—	2.1	RWL	—	—	—	—	
1973	10	17:53	38.07	—	—	—	36.750	116.230	—	—	—	14.00	—	—	—	—	—	—	—	—	—	—	—	
1973	10	18:37	2.82	—	—	—	36.830	116.280	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	10	18:37	13.21	—	—	—	36.830	116.280	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	10	20: 1	10.41	LM	—	8	36.004	114.754	0.4	A	89	10.07	0.90	RWL	—	—	—	1.9	RWL	—	—	—	—	
1973	10	21:54	58.74	LM	—	6	36.031	114.734	1.2	C	170	8.78	2.20	RWL	—	—	—	1.3	RWL	—	—	—	—	
1973	10	23:24	14.66	—	—	—	35.900	115.240	—	—	—	19.70	—	—	—	—	—	—	—	—	—	—	—	
1973	11	3:50	26.99	—	—	—	37.460	114.950	—	—	—	10.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	11	5:56	5.16	—	—	—	36.670	116.300	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	11	12:36	33.55	—	—	—	37.130	115.680	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	11	15:43	56.21	LM	—	5	36.063	114.819	0.4	D	126	1.11	8.70	RWL	—	—	—	1.7	RWL	—	—	—	—	
1973	11	22:34	37.58	SIZ	—	—	36.810	115.910	—	—	—	1.80	—	—	—	—	—	—	—	—	—	—	—	
1973	12	0:33	28.13	SIZ	—	—	36.810	115.930	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	12	8:55	11.28	LM	—	5	36.090	114.753	1.0	C	143	10.87	1.70	RWL	—	—	—	1.2	RWL	—	—	—	—	
1973	12	10:20	34.33	—	—	—	36.740	116.470	—	—	—	20.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	12	12:24	6.60	—	—	—	36.740	116.490	—	—	—	20.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	12	13:33	33.48	SIZ	—	—	36.810	115.890	—	—	—	0.30	—	—	—	—	—	—	—	—	—	—	—	
1973	12	14:19	34.40	LM	—	7	36.092	114.678	0.2	B	116	6.00*	0.30	RWL	—	—	—	1.6	RWL	—	—	—	—	
1973	13	3:31	8.20	—	0.32	5	36.169	117.095	—	—	—	—	—	—	—	—	—	2.7	RYN	—	—	—	—	
1973	13	4:36	59.16	—	—	—	35.990	116.130	—	—	—	15.00*	—	—	—	—	—	—	—	—	—	—	—	
1973	13	8:45	30.71	—	—	—	35.630	116.560	—	—	—	0.00*	—	—	—	—	—	3.0	PAS	—	—	—	3.0	QDY
1973	13	10:50	12.42	—	—	—	36.820	115.420	—	—	—	15.00*	—	—	—	—	—	—	—	—	—	—	—	—
1973	13	17:59	25.40	—	—	—	36.010	116.090	—	—	—	25.00*	—	—	—	—	—	—	—	—	—	—	—	—
1973	13	18:11	5.86	LM	—	4	35.983	114.782	—	C	157	5.05	—	—	—	—	—	—	—	—	—	—	—	—

SG8 HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER					INTENSITY		MAGNITUDE																
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1973	APR 13	19:33:	6.88					36.820	116.180				0.00*		KKG													
1973	13	19:43:	55.96					36.800	116.280				0.00*		KKG													
1973	13	21:57:	17.12					36.050	115.410				0.00*		KKG													
1973	14	1:21:	9.15		LM		4	36.098	114.739			C 213	6.79		RWL							1.5	RWL					
1973	14	12:31:	57.96		LM		6	35.975	114.801			0.9 C 196	5.58	1.70	RWL							1.7	RWL					
1973	14	13:26:	29.53		LM		3	36.080	114.674			C 253	5.00*		RWL							1.1	RWL					
1973	15	1: 7:	50.86					36.620	116.080				16.60		KKG													
1973	15	6:29:	12.38		LM		8	36.060	114.823			0.6 C 133	1.60	6.40	RWL													
1973	15	7:22:	31.99		LM		5	35.927	114.642			1.5 C 232	3.39	1.20	RWL							1.6	RWL					
1973	15	14:19:	49.01					38.200	115.920				5.00*		KKG													
1973	15	21: 6:	45.71					36.740	115.780				1.30		KKG													
1973	15	21: 7:	24.00					36.730	115.760				9.90		KKG													
1973	15	23:10:	14.05		SIZ			36.810	115.890				-0.60		KKG													
1973	16	1:25:	21.71		LM		3	35.940	114.835			C 275	5.00*		RWL							1.4	RWL					
1973	16	17:26:	9.45		LM		6	36.010	114.750			0.3 B 140	3.93	1.00	RWL							1.5	RWL					
1973	16	17:28:	32.18		LM		5	36.013	114.754			0.2 C 144	2.64	1.00	RWL							1.4	RWL					
1973	16	17:40:	58.46		LM		5	36.011	114.752			0.2 C 142	2.47	1.10	RWL							1.0	RWL					
1973	16	21:52:	37.54		SIZ			36.810	115.930				0.00*		KKG													
1973	17	6:55:	30.80		LM		5	36.010	114.750			0.1 C 140	1.44	2.00	RWL							1.2	RWL					
1973	17	7:42:	46.24		SIZ			36.790	116.000				0.00*		KKG													
1973	17	7:50:	17.93		SIZ			36.790	115.970				10.00*		KKG													
1973	17	7:53:	59.67		SIZ			36.790	115.970				5.00*		KKG													
1973	17	8: 8:	38.39		SIZ			36.790	115.980				5.00*		KKG													
1973	17	9: 1:	6.19		SIZ			36.790	115.980				5.00*		KKG													
1973	17	12:30:	30.29		SIZ			37.110	116.170				1.70		KKG													
1973	18	5:31:	57.73		LM		9	36.085	114.603			0.1 B 132	4.22	0.20	RWL							2.8	RWL					
1973	18	12:45:	0.01		LM		6	36.040	114.792			0.8 B 151	9.54	1.70	RWL							1.3	RWL					
1973	18	18:26:	45.27		LM		8	36.011	114.753			0.2 B 91	4.06	0.70	RWL							1.7	RWL					
1973	19	3:46:	35.41		LM		4	36.040	114.797			C 227	6.94		RWL							1.3	RWL					
1973	19	10:24:	36.39					36.920	116.500				20.00*		KKG													
1973	20	0: 0:	34.12		LM		6	36.092	114.679			0.1 B 122	5.86	0.10	RWL							1.6	RWL					
1973	20	0:49:	33.97					36.534	117.985				8.00*		GDY							3.0	PAS				3.3	BRK
1973	20	1:46:	50.88		SIZ			36.810	115.910				11.00		KKG													
1973	20	3:13:	7.79		LM		7	36.043	114.800			0.4 C 96	1.33	5.60	RWL							1.8	RWL					
1973	21	5:15:	43.35		SIZ			36.770	115.840				8.30		KKG													
1973	21	5:54:	40.14		SIZ			36.770	115.870				12.20		KKG													
1973	21	23:41:	19.78		LM		7	36.074	114.633			0.2 B 106	5.23	0.40	RWL							1.5	RWL					
1973	22	0:11:	9.35		LM		5	36.092	114.678			0.2 C 157	6.18	0.30	RWL							1.0	RWL					
1973	22	0:19:	12.98		LM		5	36.011	114.752			0.1 C 142	2.74	0.70	RWL							1.3	RWL					
1973	22	13: 5:	0.28		LM		7	36.099	114.750			0.4 B 109	5.61	1.00	RWL							1.6	RWL					
1973	22	14:37:	5.13					36.850	116.280				0.00*		KKG													
1973	22	17:48:	31.24		SIZ			36.810	115.890				1.00		KKG													
1973	22	21:13:	9.15		LM		5	36.092	114.641			0.2 C 106	5.00*	0.50	RWL							1.1	RWL					
1973	23	6:58:	34.91					37.430	115.200				0.00*		KKG													
1973	23	8:35:	38.93					37.470	115.220				0.00*		KKG													
1973	23	17:47:	13.11		LM		6	35.947	114.828			0.3 C 255	1.68	1.20	RWL							1.8	RWL					
1973	24	8:43:	58.08		LM		8	36.091	114.733			0.4 B 79	5.07	1.10	RWL							1.9	RWL					
1973	24	12:15:	59.67		LM		7	36.094	114.733			0.3 B 102	5.95	0.70	RWL							1.5	RWL					

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1973 APR 25	0:11:3.70			LM	—	6	36.001	114.719	0.5	C	106	0.31	99.70	RWL	—	—	—	2.0	RWL	—	—	—	—
1973 25	0:12:21.15			LM	—	4	36.003	114.730	—	C	197	0.49	—	RWL	—	—	—	1.6	RWL	—	—	—	—
1973 25	0:59:41.18			LM	—	7	36.092	114.679	0.1	B	116	5.98	0.30	RWL	—	—	—	1.5	RWL	—	—	—	—
1973 25	16:26:12.84			LM	—	5	36.001	114.707	0.4	C	91	4.16	1.10	RWL	—	—	—	1.2	RWL	—	—	—	—
1973 25	20:52:15.69			LM	—	4	36.005	114.734	—	C	206	0.46	—	RWL	—	—	—	1.5	RWL	—	—	—	—
1973 26	9:29:49.51			—	—	—	36.040	116.630	—	—	—	5.60	—	—	—	—	—	—	—	—	—	—	—
1973 26	15:15:2.00			SIZ	—	—	36.985	116.008	—	—	—	8.00*	—	—	5	4.0	—	—	—	4.1	PDX	4.1	GDY
1973 26	17:47:25.21			LM	—	4	35.978	114.781	—	C	162	4.49	—	RWL	—	—	—	1.3	RWL	—	—	—	—
1973 27	2:27:27.77			LM	—	4	36.018	114.805	—	C	173	12.84	—	RWL	—	—	—	1.4	RWL	—	—	—	—
1973 27	2:31:26.36			—	—	—	37.450	114.900	—	—	—	25.00*	—	—	—	—	—	—	—	—	—	—	—
1973 27	6:56:43.46			—	—	—	38.270	115.920	—	—	—	10.00*	—	—	—	—	—	—	—	—	—	—	—
1973 27	7:14:21.48			—	—	—	37.810	115.110	—	—	—	24.30	—	—	—	—	—	—	—	—	—	—	—
1973 27	20:43:8.17			—	—	—	37.580	115.260	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973 28	1:0:1.17			LM	—	5	35.982	114.781	0.8	C	156	4.55	2.30	RWL	—	—	—	1.7	RWL	—	—	—	—
1973 28	6:0:51.17			—	—	—	37.440	115.200	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973 29	11:12:42.91			LM	—	4	35.978	114.785	—	C	189	5.00*	—	—	—	—	—	1.0	RWL	—	—	—	—
1973 29	13:20:38.35			LM	—	5	36.014	114.840	0.7	C	259	7.61	0.90	RWL	—	—	—	1.7	RWL	—	—	—	—
1973 30	16:46:21.12			LM	—	7	36.011	114.759	0.3	B	97	7.60	0.80	RWL	—	—	—	1.8	RWL	—	—	—	—
1973 30	18:46:25.66			LM	—	4	36.006	114.757	—	C	140	5.02	—	—	—	—	—	1.3	RWL	—	—	—	—
1973 30	20:35:5.44			LM	—	4	36.065	114.710	—	C	195	5.93	—	—	—	—	—	1.4	RWL	—	—	—	—
1973 30	20:42:54.25			LM	—	3	36.051	114.702	—	C	174	5.00*	—	—	—	—	—	1.2	RWL	—	—	—	—
1973 MAY 1	0:15:7.17			LM	—	9	36.066	114.708	0.2	A	55	6.51	0.40	RWL	—	—	—	2.1	RWL	—	—	—	—
1973 1	0:20:33.68			LM	—	6	36.063	114.678	0.2	B	115	6.15	0.50	RWL	—	—	—	1.4	RWL	—	—	—	—
1973 1	0:36:46.79			LM	—	8	35.948	114.822	1.8	C	253	4.41	2.20	RWL	—	—	—	2.0	RWL	—	—	—	—
1973 1	0:49:58.81			LM	—	5	36.064	114.707	0.3	C	194	6.35	0.50	RWL	—	—	—	1.3	RWL	—	—	—	—
1973 1	2:0:0.86			LM	—	4	36.077	114.670	—	C	243	4.26	—	—	—	—	—	1.1	RWL	—	—	—	—
1973 1	11:52:23.28			—	—	—	36.540	116.570	—	—	—	20.00*	—	—	—	—	—	—	—	—	—	—	—
1973 1	11:57:25.49			—	—	—	36.470	116.700	—	—	—	20.00*	—	—	—	—	—	—	—	—	—	—	—
1973 1	12:17:1.08			—	—	—	36.470	116.660	—	—	—	20.00*	—	—	—	—	—	—	—	—	—	—	—
1973 1	13:0:35.46			LM	—	5	36.106	114.688	0.1	C	167	5.96	0.20	RWL	—	—	—	1.5	RWL	—	—	—	—
1973 1	21:18:51.42			—	—	—	36.320	114.940	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973 2	1:58:36.60			LM	—	6	36.099	114.735	0.3	B	140	5.38	0.80	RWL	—	—	—	1.3	RWL	—	—	—	—
1973 2	8:25:17.56			LM	—	4	35.977	114.785	—	C	170	5.00*	—	—	—	—	—	1.3	RWL	—	—	—	—
1973 2	17:3:50.59			LM	—	—	36.560	115.680	—	—	—	15.00*	—	—	—	—	—	—	—	—	—	—	—
1973 2	18:58:14.84			LM	—	7	36.012	114.760	0.5	B	97	8.35	1.30	RWL	—	—	—	1.9	RWL	—	—	—	—
1973 2	22:14:23.73			LM	—	8	36.067	114.708	0.2	B	102	6.72	0.40	RWL	—	—	—	1.7	RWL	—	—	—	—
1973 2	22:14:51.13			LM	—	5	36.066	114.708	0.4	C	101	6.27	0.70	RWL	—	—	—	1.4	RWL	—	—	—	—
1973 3	0:52:49.35			SIZ	—	—	36.770	115.860	—	—	—	-0.30	—	—	—	—	—	—	—	—	—	—	—
1973 3	3:31:29.55			SIZ	—	—	37.440	116.590	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—
1973 3	3:52:50.18			LM	—	6	36.107	114.688	0.1	B	126	6.03	0.20	RWL	—	—	—	1.6	RWL	—	—	—	—
1973 3	13:22:1.49			—	—	—	36.690	116.390	—	—	—	10.10	—	—	—	—	—	—	—	—	—	—	—
1973 3	15:27:29.07			LM	—	4	35.975	114.807	—	C	205	5.63	—	—	—	—	—	1.1	RWL	—	—	—	—
1973 3	16:52:5.34			LM	—	6	36.065	114.708	0.2	B	102	6.40	0.40	RWL	—	—	—	1.7	RWL	—	—	—	—
1973 3	22:49:38.21			LM	—	—	35.980	115.810	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973 3	23:54:43.43			LM	—	6	35.976	114.812	1.7	C	211	6.19	2.90	RWL	—	—	—	1.7	RWL	—	—	—	—
1973 4	1:22:56.26			LM	—	4	36.064	114.766	0.4	C	96	1.28	10.20	RWL	—	—	—	1.6	RWL	—	—	—	—
1973 4	2:1:11.03			LM	—	7	36.066	114.767	0.3	B	98	3.35	1.80	RWL	—	—	—	2.4	RWL	—	—	—	—
1973 4	2:2:42.36			LM	—	6	35.911	114.787	1.7	D	209	0.95	8.50	RWL	—	—	—	1.7	RWL	—	—	—	—

SG8 HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER						INTENSITY			MAGNITUDE								
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS REF	ML REF	MD REF	mb REF	OTH REF
1973 MAY	4	7:18:	2:34					36.010	117.830		A		8.00*		PAS			1.3 BRP	2.6 PAS			
1973	4	8:12:	22:84					35.998	117.853		A		8.00*		PAS			1.5 BRP	2.7 PAS			
1973	4	9:4:	1:11		LM		4	36.130	114.688		C 148		0.22							1.0 RWL		
1973	5	3:25:	1:12		LM		7	36.013	114.752	0.3 B	95		3.53	1.00	RWL					1.9 RWL		
1973	5	13:17:	51:45		LM		5	35.981	114.801	0.7 C	186		3.84	1.90	RWL					1.0 RWL		
1973	5	14:5:	47:32		SIZ			36.780	115.820				0.00*		KKG							
1973	5	14:8:	54:91		SIZ			36.770	115.830				5.00									
1973	5	17:35:	7:89		SIZ			36.850	115.970				25.00		KKG							
1973	5	21:13:	57:87		LM		6	36.103	114.730	0.3 B	134		5.93	0.60	RWL					1.8 RWL		
1973	6	3:28:	30:28		SIZ			36.770	115.830				0.70		KKG							
1973	6	6:17:	2:50		LM		7	36.098	114.725	0.3 B	114		5.23	0.80	RWL					1.5 RWL		
1973	6	14:23:	41:80		LM		3	36.077	114.587		C 227		5.00*		RWL					1.1 RWL		
1973	6	16:46:	58:67					36.840	116.760				0.00*		KKG							
1973	6	17:40:	56:23		LM		7	36.087	114.770	0.5 B	100		3.10	3.20	RWL					1.8 RWL		
1973	6	21:13:	19:32		LM		6	36.108	114.652	0.2 B	99		5.42	0.50	RWL					1.5 RWL		
1973	6	23:0:	55:37		LM			36.080	115.050				0.00*		KKG							
1973	7	2:42:	13:70					36.650	117.020				5.00*		KKG							
1973	7	16:53:	56:55		LM		4	36.010	114.750		C 140		2.26		RWL					1.3 RWL		
1973	7	17:27:	35:77																			
1973	7	18:54:	51:47		LM		6	36.011	114.751	0.4 B	141		4.10	1.20	RWL					1.5 RWL		
1973	7	19:0:	21:53		LM		7	36.013	114.752	0.3 B	95		3.47	1.00	RWL					1.8 RWL		
1973	7	19:0:	21:53		LM		7	36.088	114.769	0.5 B	173		4.05	1.80	RWL					1.9 RWL		
1973	7	22:54:	6:25					35.850	115.230				0.00*		KKG							
1973	8	11:15:	53:11		LM		3	36.082	114.707		C 298		5.00*		RWL					1.4 RWL		
1973	8	11:28:	27:85		LM		8	36.088	114.766	0.4 B	99		4.29	1.80	RWL					1.7 RWL		
1973	8	12:45:	59:65		SIZ			36.820	115.870				7.00		KKG							
1973	8	14:10:	29:66		LM		6	36.012	114.752	0.3 B	143		3.15	1.10	RWL					1.6 RWL		
1973	8	16:33:	59:13		LM		5	35.981	114.803	0.8 C	190		4.25	2.10	RWL					1.7 RWL		
1973	8	17:30:	59:31		LM		8	36.085	114.767	0.4 B	96		4.25	1.60	RWL					2.1 RWL		
1973	8	22:17:	47:11		LM		4	36.110	114.693		C 167		6.67	0.90	RWL					1.3 RWL		
1973	9	4:7:	12:54		LM		5	36.100	114.724	0.4 C	187		5.27	0.90	RWL					1.7 RWL		
1973	9	5:44:	46:13										0.00*		KKG							
1973	9	9:43:	17:84		SIZ			36.810	115.890				1.30		KKG							
1973	9	14:1:	38:38		SIZ			36.750	115.860				12.40		KKG							
1973	9	21:0:	27:43		LM		5	35.996	114.709	0.1 C	89		5.60	0.20	RWL					1.4 RWL		
1973	9	21:25:	22:33		LM		5	36.108	114.688	0.1 C	169		6.00*	0.30	RWL					1.6 RWL		
1973	10	0:35:	11:99		LM		3	35.977	114.788		C 174		5.00*		RWL					1.3 RWL		
1973	10	5:32:	23:16																			
1973	10	9:29:	31:21		SIZ			35.940	117.230				10.00*		KKG	1	BRP		3.1 PAS			3.1 GDY
1973	10	17:1:	50:26		LM		5	36.770	115.830				7.90		KKG					1.5 RWL		
1973	10	21:34:	19:54					36.012	114.753	0.2 C	143		1.56	2.80	RWL							
1973	10	22:26:	21:82		LM		5	36.800	116.310				15.00*		KKG							
1973	10	23:34:	1:12		LM		4	35.981	114.800	0.6 C	186		3.86	1.50	RWL					1.4 RWL		
1973	10	23:34:	1:12		LM			36.112	114.693		C 169		7.04		RWL					1.2 RWL		
1973	11	2:48:	38:69		LM		3	35.984	114.702		C 198		5.00*		RWL					1.0 RWL		
1973	11	5:35:	11:89		LM		4	36.124	114.733		C 201		7.17		RWL					1.6 RWL		
1973	11	21:38:	27:97		LM		6	36.088	114.731	0.4 B	129		1.91	2.30	RWL					1.7 RWL		
1973	11	22:8:	50:54					35.970	115.200				0.00*		KKG							
1973	12	2:33:	46:15		LM		5	36.110	114.688	0.2 C	171		6.41	0.40	RWL					1.5 RWL		
1973	12	3:56:	12:03					36.440	117.720				10.00*		KKG							

SGS HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER						INTENSITY		MAGNITUDE																
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1973	MAY	12	3:49	1:56				36.450	117.740				5.00*															
1973		12	5:53	4:47	LM		7	36.109	114.688	0.2	B	170	6.31	0.30	RWL								1.9	RWL				
1973		12	6:5	7:08	LM		5	36.109	114.688		C	169	6.35	0.10	RWL								1.4	RWL				
1973		14	9:34	36:35				36.060	114.800				10.00*															
1973		15	15:21	1:50				37.870	114.770				0.00*															
1973		16	9:8:42.08					37.370	115.920				5.00*															
1973		17	14:36	25:87	SIZ			36.810	115.890				5.00*															
1973		18	0:29	31:14				36.790	115.740				11.90															
1973		18	19:58	21:66	SIZ			36.800	115.920				5.00*															
1973		19	1:6	9:43	SIZ			36.810	115.900				5.00*															
1973		19	10:14	39:11	SIZ			36.820	115.970				7.80															
1973		19	12:57	58:26	SIZ			36.810	115.910				5.00*															
1973		20	7:52	21:15	SIZ			36.820	115.890				1.50															
1973		20	15:9:42.38		SIZ			36.820	115.890				7.10															
1973		21	16:49	42:71				35.751	117.115		B		8.00*					1.6	BRP	2.8	PAS							
1973		22	3:25	20:49				36.780	115.770				18.30															
1973		22	4:29	16:09				36.780	115.730				5.00*															
1973		22	12:5	30:27				36.780	115.720				5.00*															
1973		22	12:11	4:99				36.780	115.730				5.00*															
1973		23	2:36	16:92				36.780	115.730				5.50															
1973		23	19:3	23:91	LM		4	36.108	114.686		C	171	5.43										0.9	RWL				
1973		24	0:25	33:78	LM		6	36.008	114.734	0.7	C	130	0.65										1.7	RWL				
1973		24	5:41	41:47	LM		8	36.110	114.688	0.1	B	93	5.92	0.20	RWL													
1973		24	9:21	11:42	LM		5	36.109	114.686	0.1	C	172	5.56	0.10	RWL								1.4	RWL				
1973		24	9:45	26:09	LM		5	36.108	114.687	0.1	C	170	5.62	0.20	RWL								1.5	RWL				
1973		24	13:30	1:58	SIZ			37.145	116.088				8.00*			6	BRP	5.0	BRP	3.9	PDX			4.8	PDX		4.8	GDY
1973		24	21:9:36.06		LM		6	36.006	114.733	0.7	C	127	0.69										2.0	RWL				
1973		25	8:30	51:54	LM		4	36.138	114.612		C	156	4.28										1.0	RWL				
1973		25	10:36	1:46	LM		5	35.995	114.729	0.4	C	107	2.85	2.20	RWL								1.5	RWL				
1973		25	12:14	34:87	LM		6	35.970	114.601	1.3	C	205	8.66	2.10	RWL								1.7	RWL				
1973		25	19:45	41:94	LM		4	35.978	114.787		C	171	5.00*										1.4	RWL				
1973		25	19:52	35:50	LM		6	36.110	114.686	0.1	B	122	5.84	0.20	RWL								1.7	RWL				
1973		26	0:4	49:02				36.990	117.560				-0.30															
1973		26	22:19	31:48	SIZ			36.820	115.860				0.50															
1973		26	22:40	17:62	LM		7	36.067	114.707	0.2	B	101	7.72	0.00	RWL								1.7	RWL				
1973		27	2:39	26:92				37.300	115.050				18.00										3.7	RYN			3.3	KKG
1973		27	10:12	40:49				37.340	115.090				21.90															
1973		29	23:13	29:06				36.310	117.900				10.00*															
1973		31	9:51	35:66				36.640	116.430				19.70															
1973		31	9:52	41:56				36.630	116.440				18.80															
1973	JUN	5	6:35	3:08				37.040	115.840				20.00*															
1973		5	20:57	35:04	SIZ			36.800	115.880				15.00*															
1973		6	14:19	29:92	SIZ			37.270	116.360				2.60															
1973		6	21:12	41:85	SIZ			37.250	116.350				4.00															
1973		6	22:8	16:43				36.000	115.900				0.00*															
1973		6	22:38	9:49	LM		8	36.064	114.767	0.4	A	79	9.46	1.10	RWL								1.8	RWL				
1973		6	22:52	48:67	LM		8	36.064	114.768	0.3	A	79	9.70	0.90	RWL								2.1	RWL				
1973		7	3:35	29:60	SIZ			36.970	116.110				1.00															

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER				INTENSITY		MAGNITUDE													
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1973	JUN	7	5:24	37.11	SIZ	—	—	37.180	116.410	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973		7	10:39	2.08	SIZ	—	—	37.220	116.340	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973		7	13:25	32.17	SIZ	—	—	37.240	116.410	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973		7	15:23	59.65	LM	—	4	36.105	114.743	—	C 220	—	5.00*	—	—	—	—	—	1.5	RWL	—	—	—	—
1973		7	23:41	49.02	LM	—	5	36.127	114.713	—	0.1 C 171	—	5.51	0.20	RWL	—	—	—	2.1	RWL	—	—	—	—
1973		8	1:46	24.22	—	—	—	36.210	117.680	—	—	—	20.00*	—	—	—	1.7	BRP	2.9	PAS	—	—	—	—
1973		8	10:18	56.82	—	—	—	38.290	117.220	—	—	—	10.00*	—	—	—	—	—	—	—	—	—	—	—
1973		8	15:7	44.41	LM	—	4	36.105	114.694	—	C 161	—	6.73	—	—	—	—	—	1.1	RWL	—	—	—	—
1973		8	18:47	40.59	SIZ	—	—	37.300	116.440	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973		9	3:11	35.35	SIZ	—	—	37.270	116.450	—	—	—	0.00*	—	—	—	—	—	—	—	—	—	—	—
1973		9	5:11	30.36	SIZ	—	—	36.970	116.120	—	—	—	3.90	—	—	—	—	—	—	—	—	—	—	—
1973		9	6:11	0.09	SIZ	—	—	37.240	116.370	—	—	—	5.00	—	—	—	—	—	—	—	—	—	—	—
1973		9	21:1	50.65	SIZ	—	—	37.250	116.360	—	—	—	2.20	—	—	—	—	—	2.8	RYN	—	—	—	—
1973		10	5:57	16.10	—	0.27	6	37.686	114.917	—	—	—	15.80	—	—	—	—	—	3.0	RYN	—	—	—	2.9 GDY
1973		10	6:38	17.21	—	—	—	36.220	117.990	—	—	—	0.70	—	—	—	—	—	—	—	—	—	—	3.8 GDY
1973		10	22:22	7.00	SIZ	—	—	37.230	116.360	—	—	—	0.00*	—	—	—	—	—	3.9	RYN	—	—	—	3.2 GDY
1973		11	7:56	21.06	SIZ	—	—	37.240	116.350	—	—	—	0.00*	—	—	—	—	—	3.2	PAS	—	—	—	3.4 GDY
1973		12	6:48	51.14	SIZ	—	—	37.250	116.360	—	—	—	0.00*	—	—	—	—	—	3.3	RYN	—	—	—	3.4 GDY
1973		12	8:15	48.92	SIZ	—	—	37.230	116.360	—	—	—	2.60	—	—	—	0.7	BRP	4.5	PAS	—	4.8	PDX	4.8 GDY
1973		12	12:54	38.65	—	—	—	35.915	117.712	—	C	—	8.00*	—	—	—	—	—	1.8	RYN	—	—	—	—
1973		14	6:18	8.40	—	0.38	4	38.233	117.874	—	—	—	1.40	—	—	—	—	—	—	—	—	—	—	—
1973		16	14:36	43.63	SIZ	—	—	37.240	116.350	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973		16	15:48	13.67	SIZ	—	—	37.240	116.340	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1973		16	20:0	55.35	—	—	—	36.790	115.340	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—
1973		17	21:34	19.90	SIZ	—	—	36.810	115.910	—	—	—	1.10	—	—	—	—	—	—	—	—	—	—	—
1973		17	21:36	39.11	SIZ	—	—	36.830	115.930	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—
1973		17	22:38	14.91	SIZ	—	—	36.810	115.890	—	—	—	12.40	—	—	—	—	—	—	—	—	—	—	—
1973		18	4:42	2.52	SIZ	—	—	36.800	115.970	—	—	—	5.00*	—	—	—	—	—	—	—	—	—	—	—
1973		18	5:38	30.81	SIZ	—	—	36.810	115.930	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—
1973		18	12:14	59.96	SIZ	—	—	37.240	116.470	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—
1973		18	20:34	17.87	—	—	—	37.470	116.650	—	—	—	0.40	—	—	—	—	—	3.2	RYN	—	—	—	—
1973		19	4:25	8.99	—	—	—	37.350	115.560	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—
1973		20	10:29	36.16	LM	—	8	36.108	114.703	—	1.2 C 156	—	7.83	—	—	—	—	—	—	—	—	—	—	—
1973		20	12:54	9.13	LM	—	7	36.109	114.685	—	0.9 B 121	—	4.56	1.00	RWL	—	—	—	0.5	RWL	—	—	—	—
1973		21	14:45	0.61	SIZ	—	—	37.071	116.005	—	—	—	8.00*	—	—	6	BRP	5.4	PDX	—	5.3	PDX	—	5.3 GDY
1973		22	7:31	28.70	LM	—	8	35.980	114.799	—	0.7 C 191	—	4.70	1.30	RWL	—	—	—	1.7	RWL	—	—	—	—
1973		22	15:57	11.43	—	—	—	36.097	114.736	—	0.6 C 178	—	1.42	6.00	RWL	—	—	—	1.7	RWL	—	—	—	—
1973		22	17:20	50.46	—	—	—	37.130	116.950	—	—	—	0.80	—	—	—	—	—	—	—	—	—	—	—
1973		23	9:21	10.21	LM	—	7	36.101	114.750	—	1.3 C 227	—	5.08	2.90	RWL	—	—	—	1.1	RWL	—	—	—	—
1973		23	11:48	13.34	LM	—	7	36.088	114.747	—	1.0 C 190	—	7.81	1.50	RWL	—	—	—	1.3	RWL	—	—	—	—
1973		23	12:11	1.93	LM	—	8	36.090	114.751	—	0.8 C 195	—	7.26	1.30	RWL	—	—	—	1.2	RWL	—	—	—	—
1973		23	13:5	51.59	LM	—	7	36.086	114.760	—	0.6 C 204	—	8.10	1.10	RWL	—	—	—	1.8	RWL	—	—	—	—
1973		23	13:8	58.39	—	—	—	36.089	114.749	—	0.6 C 192	—	7.78	0.90	RWL	—	—	—	1.3	RWL	—	—	—	—
1973		23	14:8	38.77	LM	—	7	36.089	114.748	—	1.1 C 192	—	7.84	1.30	RWL	—	—	—	0.4	RWL	—	—	—	—
1973		23	15:3	32.00	—	—	—	36.045	117.716	—	D	—	8.00*	—	—	—	1.5	BRP	2.7	PAS	—	—	—	—
1973		23	17:47	55.17	—	—	—	36.060	115.370	—	—	—	0.00	—	—	—	—	—	—	—	—	—	—	—
1973		24	0:5	46.69	LM	—	—	36.020	114.760	—	—	—	16.50	—	—	—	—	—	2.4	RWL	—	—	—	—

SGS HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE														
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1973	JUN	24	2:23:	2:41		LM	—	9	36.091	114.683	0.5	B	120	6.53	1.10	RWL	—	—	—	—	—	—	1.1	RWL	—	—	—	—
1973		24	3:21:	14:65		SIZ	—	—	36.930	116.030	—	—	—	8.90	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—
1973		24	6:7:	46:06		—	—	—	36.750	116.690	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—
1973		24	11:37:	37:22		—	—	—	37.480	116.640	—	—	—	5.00*	—	KKG	5	BRP	4.0	BRP	—	—	—	—	4.2	PDX	—	4.2
1973		25	21:32:	51:73		LM	—	6	36.063	114.794	0.8	C	227	5.85	2.00	RWL	—	—	—	—	—	—	1.1	RWL	—	—	—	—
1973		26	14:40:	3:95		LM	—	8	36.111	114.733	1.1	C	176	6.38	2.40	RWL	—	—	—	—	—	—	1.0	RWL	—	—	—	—
1973		26	23:32:	13:94		LM	—	7	35.982	114.716	1.0	B	97	7.95	2.10	RWL	—	—	—	—	—	—	0.3	RWL	—	—	—	—
1973		27	0:16:	33:42		LM	—	6	36.010	114.750	0.3	C	91	0.58	61.00	RWL	—	—	—	—	—	—	1.3	RWL	—	—	—	—
1973		27	17:7:	25:86		—	—	—	37.150	116.970	—	—	—	4.10	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—
1973		28	2:51:	54:84		SIZ	—	—	36.810	115.880	—	—	—	0.00*	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—
1973		28	3:17:	29:77		SIZ	—	—	37.260	116.610	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	2.7	RYN	—	—	—	—
1973		28	7:50:	46:99		SIZ	—	—	37.270	116.610	—	—	—	5.00*	—	KKG	—	—	—	—	—	—	2.4	RYN	—	—	—	—
1973		28	19:45:	0:50		SIZ	—	—	37.100	116.000	—	A	—	5.00*	—	BRP	—	—	—	—	—	—	—	—	—	—	—	—
1973		30	2:46:	35:88		SIZ	—	—	36.920	116.120	—	—	—	11.00	—	KKG	—	—	—	—	—	—	—	—	—	—	—	—
1973	JUL	1	0:28:	39:11		LM	—	6	35.928	114.817	1.8	C	320	9.56	2.50	RWL	—	—	—	—	—	—	1.4	RWL	—	—	—	—
1973		1	14:15:	14:03		LM	—	7	35.972	114.788	1.0	C	238	7.68	1.80	RWL	—	—	—	—	—	—	1.0	RWL	—	—	—	—
1973		1	15:58:	34:00		LM	—	7	36.159	114.583	1.3	C	194	3.90	2.30	RWL	—	—	—	—	—	—	1.5	RWL	—	—	—	—
1973		1	18:11:	59:96		LM	—	6	36.207	114.753	2.0	C	198	6.17	3.40	RWL	—	—	—	—	—	—	2.4	RWL	—	—	—	—
1973		4	23:3:	19:92		LM	—	6	35.997	114.759	1.4	C	235	7.55	1.80	RWL	—	—	—	—	—	—	0.8	RWL	—	—	—	—
1973		5	13:37:	31:92		LM	—	5	36.189	114.737	1.6	C	210	6.94	2.60	RWL	—	—	—	—	—	—	0.7	RWL	—	—	—	—
1973		5	16:0:	21:57		LM	—	4	36.169	114.733	—	C	267	5.00*	—	RWL	—	—	—	—	—	—	2.1	RWL	—	—	—	—
1973		6	3:14:	23:64		LM	—	5	35.973	114.823	0.6	C	289	6.48	1.10	RWL	—	—	—	—	—	—	0.8	RWL	—	—	—	—
1973		6	3:52:	15:34		LM	—	6	36.099	114.733	0.2	C	175	0.37	17.90	RWL	—	—	—	—	—	—	1.4	RWL	—	—	—	—
1973		7	16:32:	24:65		LM	—	8	36.183	114.712	0.6	B	145	6.72	1.50	RWL	—	—	—	—	—	—	1.2	RWL	—	—	—	—
1973		7	22:2:	1:80		—	0.88	7	37.603	115.730	—	—	—	—	—	RYN	—	—	—	—	—	—	3.5	RYN	—	—	—	—
1973		7	23:30:	6:74		LM	—	6	36.066	114.804	0.8	D	253	0.67	89.90	RWL	—	—	—	—	—	—	1.3	RWL	—	—	—	—
1973		8	2:19:	53:63		LM	—	6	36.060	114.801	1.1	C	232	5.00*	3.90	RWL	—	—	—	—	—	—	1.8	RWL	—	—	—	—
1973		9	0:4:	7:31		LM	—	5	36.102	114.743	0.2	C	232	0.62	0.10	RWL	—	—	—	—	—	—	1.4	RWL	—	—	—	—
1973		11	5:55:	32:40		—	0.43	5	38.255	117.891	—	—	—	—	—	RYN	—	—	—	—	—	—	2.5	RYN	—	—	—	—
1973		11	13:41:	4:66		LM	—	5	36.019	114.825	4.2	D	265	0.80	—	RWL	—	—	—	—	—	—	1.8	RWL	—	—	—	—
1973		13	0:2:	54:39		SIZ	—	—	37.210	116.333	—	—	—	8.00*	—	GOY	—	—	—	—	—	—	—	—	—	—	—	—
1973		14	7:51:	54:94		LM	—	12	36.101	114.721	0.4	B	121	7.01	0.80	RWL	—	—	—	—	—	—	1.2	RWL	—	—	—	—
1973		17	9:3:	44:30		LM	—	6	36.157	114.596	1.1	C	166	3.52	2.30	RWL	—	—	—	—	—	—	1.0	RWL	—	—	—	—
1973		17	10:2:	40:44		LM	—	7	36.163	114.603	0.9	B	153	6.02	1.50	RWL	—	—	—	—	—	—	0.9	RWL	—	—	—	—
1973		17	21:9:	3:97		LM	—	6	36.149	114.700	0.8	B	175	8.19	0.90	RWL	—	—	—	—	—	—	0.8	RWL	—	—	—	—
1973		18	8:9:	37:92		LM	—	6	36.096	114.665	1.4	B	109	7.42	3.00	RWL	—	—	—	—	—	—	1.1	RWL	—	—	—	—
1973		19	8:47:	52:84		LM	—	8	36.165	114.599	0.6	B	164	5.89	1.00	RWL	—	—	—	—	—	—	0.9	RWL	—	—	—	—
1973		19	20:13:	29:63		LM	—	—	36.186	117.608	—	B	—	8.00*	—	PAS	—	—	—	—	—	—	—	—	—	—	—	—
1973		20	20:34:	12:01		LM	—	10	36.015	114.619	0.3	C	116	1.10	11.20	RWL	—	—	—	—	—	—	1.5	RWL	—	—	—	—
1973		20	21:1:	43:79		LM	—	6	36.039	114.637	1.7	B	99	8.06	4.00	RWL	—	—	—	—	—	—	1.0	RWL	—	—	—	—
1973		22	12:26:	39:57		LM	—	8	35.929	114.642	0.6	C	231	5.14	1.10	RWL	—	—	—	—	—	—	0.9	RWL	—	—	—	—
1973		22	17:5:	52:85		LM	—	7	36.090	114.765	0.3	B	171	4.60	0.90	RWL	—	—	—	—	—	—	1.5	RWL	—	—	—	—
1973		23	8:19:	42:22		LM	—	7	36.109	114.658	0.4	C	188	6.57	0.60	RWL	—	—	—	—	—	—	0.4	RWL	—	—	—	—
1973		23	10:2:	1:82		LM	—	10	36.097	114.774	0.3	C	186	5.83	0.50	RWL	—	—	—	—	—	—	1.2	RWL	—	—	—	—
1973		24	17:21:	58:88		LM	—	6	36.159	114.652	1.1	C	168	0.41	—	RWL	—	—	—	—	—	—	1.7	RWL	—	—	—	—
1973		24	23:49:	38:68		LM	—	8	36.089	114.768	0.3	B	174	2.89	1.40	RWL	—	—	—	—	—	—	1.5	RWL	—	—	—	—
1973		25	3:36:	26:68		LM	—	11	36.098	114.773	0.5	C	186	5.94	1.10	RWL	—	—	—	—	—	—	0.7	RWL	—	—	—	—
1973		25	8:56:	45:67		LM	—	8	36.160	114.652	0.7	C	170	0.90	14.80	RWL	—	—	—	—	—	—	1.8	RWL	—	—	—	—

SG8 HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	REF	OTH	REF
1973 JUL 25	10:	6:	19.85	LM	—	8	36.163	114.655	0.9	C	177	1.00*	13.00	RWL	—	—	—	2.5	RWL	—	—	—
1973 JUL 25	10:	27:	11.29	LM	—	8	36.166	114.658	0.7	D	185	1.10	8.90	RWL	—	—	—	1.9	RWL	—	—	—
1973 JUL 25	10:	31:	5.19	LM	—	10	36.176	114.654	0.9	C	204	5.47	1.90	RWL	—	—	—	1.5	RWL	—	—	—
1973 JUL 25	20:	52:	27.10	LM	—	9	36.015	114.764	0.8	B	101	8.78	2.20	RWL	—	—	—	1.3	RWL	—	—	—
1973 JUL 26	5:	4:	48.31	LM	—	9	36.182	114.652	1.5	C	214	5.92	2.80	RWL	—	—	—	1.7	RWL	—	—	—
1973 JUL 28	20:	32:	58.58	LM	—	7	36.218	114.835	4.7	D	308	5.00*	3.10	RWL	—	—	—	2.1	RWL	—	—	—
1973 JUL 29	4:	10:	12.02	LM	—	8	36.104	114.735	0.4	B	142	4.39	1.10	RWL	—	—	—	0.9	RWL	—	—	—
1973 JUL 29	12:	7:	53.87	LM	—	11	36.026	114.870	0.4	C	304	6.80	0.30	RWL	—	—	—	0.8	RWL	—	—	—
1973 JUL 29	16:	51:	35.75	LM	—	6	36.163	114.603	1.1	C	153	6.04	1.10	RWL	—	—	—	0.6	RWL	—	—	—
1973 JUL 29	16:	51:	43.09	LM	—	6	36.174	114.608	0.6	B	149	8.83	0.80	RWL	—	—	—	1.0	RWL	—	—	—
1973 JUL 30	9:	18:	43.20	LM	—	—	37.624	115.139	—	—	—	8.00*	—	GDY	—	—	—	—	—	—	3.5	GDY
1973 JUL 31	22:	16:	24.43	LM	—	7	36.161	114.599	0.6	B	161	4.94	0.70	RWL	—	—	—	0.6	RWL	—	—	—
1973 AUG 1	2:	22:	36.20	LM	—	7	36.162	114.596	0.4	B	169	5.18	0.70	RWL	—	—	—	0.9	RWL	—	—	—
1973 AUG 1	9:	14:	53.07	LM	—	—	36.258	117.890	—	B	—	8.00*	—	PAS	—	—	—	—	—	—	—	—
1973 AUG 1	14:	27:	11.59	LM	—	7	36.093	114.730	1.4	B	131	6.13	3.50	RWL	—	—	—	0.6	RWL	—	—	—
1973 AUG 3	9:	34:	6.08	LM	—	11	36.067	114.840	0.4	C	235	5.88	0.90	RWL	—	—	—	1.0	RWL	—	—	—
1973 AUG 4	2:	19:	47.04	LM	—	8	35.982	114.789	0.4	B	169	6.64	1.00	RWL	—	—	—	0.9	RWL	—	—	—
1973 AUG 4	3:	32:	22.88	LM	—	8	35.929	114.647	0.9	C	230	5.00*	1.10	RWL	—	—	—	1.2	RWL	—	—	—
1973 AUG 4	19:	9:	3.73	LM	—	11	36.112	114.692	0.3	B	95	6.56	0.60	RWL	—	—	—	0.8	RWL	—	—	—
1973 AUG 4	19:	18:	16.01	LM	—	12	36.075	114.725	0.3	B	119	6.36	1.00	RWL	—	—	—	1.0	RWL	—	—	—
1973 AUG 6	9:	2:	35.95	LM	—	8	35.925	114.645	0.4	C	233	4.09	0.40	RWL	—	—	—	0.4	RWL	—	—	—
1973 AUG 6	10:	9:	54.14	LM	—	6	36.083	114.702	1.0	B	159	6.96	1.20	RWL	—	—	—	0.2	RWL	—	—	—
1973 AUG 6	22:	24:	58.83	LM	—	8	36.089	114.712	1.0	B	110	7.13	2.20	RWL	—	—	—	0.4	RWL	—	—	—
1973 AUG 7	11:	57:	0.03	LM	—	7	36.104	114.738	0.3	B	147	3.69	0.80	RWL	—	—	—	0.3	RWL	—	—	—
1973 AUG 9	4:	12:	14.05	LM	—	8	35.938	114.834	0.6	C	274	5.48	1.10	RWL	—	—	—	0.9	RWL	—	—	—
1973 AUG 9	18:	28:	48.97	LM	—	7	35.932	114.648	0.5	B	165	5.00*	0.80	RWL	—	—	—	1.7	RWL	—	—	—
1973 AUG 9	20:	5:	41.58	LM	—	8	35.922	114.639	0.5	C	282	4.87	0.40	RWL	—	—	—	0.5	RWL	—	—	—
1973 AUG 9	20:	5:	46.98	LM	—	9	35.930	114.640	0.5	C	210	4.96	0.60	RWL	—	—	—	1.8	RWL	—	—	—
1973 AUG 10	2:	50:	43.63	LM	—	8	36.096	114.725	1.2	B	125	3.28	4.10	RWL	—	—	—	0.5	RWL	—	—	—
1973 AUG 10	8:	43:	28.17	LM	—	11	36.090	114.670	0.5	B	85	1.71	2.80	RWL	—	—	—	1.3	RWL	—	—	—
1973 AUG 11	2:	11:	53.30	LM	0.16	5	38.493	117.874	—	—	—	—	—	RYN	—	—	—	1.7	RYN	—	—	—
1973 AUG 11	13:	5:	14.54	LM	—	9	35.957	114.951	1.2	C	324	5.00*	4.00	RWL	—	—	—	1.3	RWL	—	—	—
1973 AUG 13	1:	50:	55.00	LM	—	6	35.950	114.712	—	B	87	3.85	0.20	RWL	—	—	—	0.6	RWL	—	—	—
1973 AUG 14	11:	42:	20.50	LM	—	8	36.145	114.703	0.3	C	229	5.00*	0.50	RWL	—	—	—	0.8	RWL	—	—	—
1973 AUG 14	23:	48:	41.53	LM	—	7	36.100	114.725	0.5	B	127	5.16	1.50	RWL	—	—	—	0.6	RWL	—	—	—
1973 AUG 15	9:	15:	1.68	LM	—	9	36.113	114.726	0.3	B	128	6.22	0.70	RWL	—	—	—	0.4	RWL	—	—	—
1973 AUG 16	1:	1:	13.39	LM	—	—	35.932	116.928	—	B	—	8.00*	—	PAS	—	—	—	—	—	—	—	—
1973 AUG 17	7:	11:	33.20	LM	0.89	6	37.000	117.946	—	—	—	—	—	RYN	—	—	—	3.4	RYN	—	—	—
1973 AUG 19	11:	58:	21.30	LM	0.01	6	38.451	117.860	—	—	—	—	—	RYN	—	—	—	2.5	RYN	—	—	—
1973 AUG 21	2:	36:	48.40	LM	0.26	5	37.337	115.834	—	—	—	—	—	RYN	—	—	—	3.4	RYN	—	—	—
1973 AUG 21	3:	42:	41.10	LM	0.21	4	37.474	115.731	—	—	—	—	—	RYN	—	—	—	3.0	RYN	—	—	—
1973 AUG 22	8:	4:	50.82	LM	—	9	36.151	114.714	1.5	C	198	7.11	2.30	RWL	—	—	—	0.8	RWL	—	—	—
1973 AUG 22	15:	43:	30.36	LM	—	5	36.138	114.733	0.2	C	215	5.00*	0.20	RWL	—	—	—	0.5	RWL	—	—	—
1973 AUG 24	1:	10:	8.12	LM	—	6	35.973	114.825	0.7	C	299	7.75	1.30	RWL	—	—	—	0.7	RWL	—	—	—
1973 AUG 24	8:	15:	21.61	LM	—	8	36.014	114.773	0.7	B	149	7.18	1.00	RWL	—	—	—	0.5	RWL	—	—	—
1973 AUG 26	10:	31:	39.97	LM	—	7	36.151	114.695	0.7	C	247	3.01	2.00	RWL	—	—	—	1.6	RWL	—	—	—
1973 AUG 26	13:	51:	25.50	LM	—	8	36.123	114.650	0.2	C	208	3.33	0.60	RWL	—	—	—	0.4	RWL	—	—	—
1973 AUG 26	15:	27:	33.47	LM	—	6	36.067	114.694	0.6	B	102	8.28	1.00	RWL	—	—	—	0.5	RWL	—	—	—

SG8 HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	EPZ	REF	I	MS	ML	MD	mb	REF	OTH	REF	
1973 AUG 26	18:58:27.16			LM	—	4	36.084	114.613	—	C	243	5.00*	—	RWL	—	—	—	1.1	—	—	—	—	
1973 27	1:53:38.75			LM	—	6	36.053	114.705	0.4	C	227	7.98	0.50	RWL	—	—	—	0.9	—	—	—	—	
1973 27	4:50:22.27			LM	—	8	36.161	114.594	0.8	C	282	4.14	3.10	RWL	—	—	—	1.4	—	—	—	—	
1973 27	4:50:51.44			LM	—	10	36.151	114.590	1.1	C	250	6.97	2.40	RWL	—	—	—	1.2	—	—	—	—	
1973 27	5: 9: 5.98			LM	—	6	36.160	114.600	1.9	C	301	8.23	3.70	RWL	—	—	—	1.4	—	—	—	—	
1973 27	6:44: 6.43			LM	—	9	36.152	114.596	0.2	C	249	3.70	0.90	RWL	—	—	—	1.4	—	—	—	—	
1973 27	16:46: 6.67			LM	—	7	36.071	114.702	0.4	B	104	7.03	0.80	RWL	—	—	—	1.4	—	—	—	—	
1973 28	13: 5:56.23			LM	—	9	35.974	114.816	0.3	C	219	7.31	0.30	RWL	—	—	—	0.1	—	—	—	—	
1973 29	14:41:44.60			LM	—	9	36.107	114.703	0.4	B	154	8.28	0.50	RWL	—	—	—	0.3	—	—	—	—	
1973 29	20:41: 2.81			LM	—	6	36.015	114.650	0.5	B	95	4.36	1.50	RWL	—	—	—	0.4	—	—	—	—	
1973 31	11:42:38.33			LM	—	9	35.951	114.966	1.5	D	313	1.91	12.60	RWL	—	—	—	1.7	—	—	—	—	
1973 SEP 1	2: 3:24.24			LM	—	6	36.123	114.655	0.4	C	206	4.04	1.10	RWL	—	—	—	0.8	—	—	—	—	
1973 1	5: 2:41.33			LM	—	7	36.064	114.840	0.5	C	234	5.73	1.00	RWL	—	—	—	0.9	—	—	—	—	
1973 1	7:38:55.06			LM	—	9	36.067	114.841	0.4	C	236	6.14	0.90	RWL	—	—	—	1.1	—	—	—	—	
1973 1	8:40:18.76			LM	—	7	36.119	114.653	0.4	C	203	1.72	2.40	RWL	—	—	—	1.2	—	—	—	—	
1973 2	6:13:43.07			LM	—	7	36.120	114.652	0.2	C	204	2.89	0.80	RWL	—	—	—	1.1	—	—	—	—	
1973 2	19: 6:10.42			LM	—	7	36.089	114.678	0.3	B	151	5.61	0.70	RWL	—	—	—	1.7	—	—	—	—	
1973 2	20:54:35.68			LM	—	9	36.085	114.672	0.6	B	167	7.48	1.30	RWL	—	—	—	0.8	—	—	—	—	
1973 3	8:13:51.45			LM	—	8	36.088	114.677	0.3	B	150	5.69	0.60	RWL	—	—	—	1.7	—	—	—	—	
1973 5	8:57: 0.56			LM	—	7	36.066	114.768	0.7	B	155	7.83	0.70	RWL	—	—	—	1.6	—	—	—	—	
1973 5	16:16: 6.23			LM	—	6	35.984	114.795	0.7	B	173	6.77	1.40	RWL	—	—	—	1.2	—	—	—	—	
1973 5	20:44:57.39			LM	—	7	36.065	114.763	0.2	B	149	7.38	0.50	RWL	—	—	—	1.6	—	—	—	—	
1973 6	4:19:53.04			LM	—	9	35.953	114.823	0.3	B	168	3.48	1.00	RWL	—	—	—	1.7	—	—	—	—	
1973 6	23:41:28.23			LM	—	6	35.962	114.946	4.4	D	258	5.00*	9.20	RWL	—	—	—	1.6	—	—	—	—	
1973 8	8: 3:24.47			LM	—	7	36.158	114.595	1.0	C	169	5.09	1.10	RWL	—	—	—	0.3	—	—	—	—	
1973 8	12:57:50.59			LM	—	7	36.090	114.602	0.6	B	135	3.01	2.00	RWL	—	—	—	1.4	—	—	—	—	
1973 8	23:28:55.91			LM	—	8	35.945	114.976	0.4	C	322	3.30	1.70	RWL	—	—	—	1.8	—	—	—	—	
1973 9	6: 8:42.98			LM	—	7	35.921	114.646	0.3	C	237	4.21	0.70	RWL	—	—	—	0.8	—	—	—	—	
1973 9	7: 9:24.97			LM	—	8	36.018	114.802	0.4	B	160	8.00*	0.70	RWL	—	—	—	0.4	—	—	—	—	
1973 10	6:14: 0.54			LM	—	7	36.012	114.731	0.5	C	119	0.37	76.60	RWL	—	—	—	1.6	—	—	—	—	
1973 10	11:29:35.81			LM	—	8	36.058	114.803	0.3	C	202	9.27	0.60	RWL	—	—	—	1.3	—	—	—	—	
1973 10	16:20:28.41			LM	—	9	35.989	114.808	0.5	C	215	6.91	0.60	RWL	—	—	—	0.6	—	—	—	—	
1973 12	9:52:37.87			LM	—	8	35.929	114.648	0.6	C	230	4.07	0.80	RWL	—	—	—	1.6	—	—	—	—	
1973 12	16:33: 5.77			LM	—	6	36.233	114.798	1.3	C	295	9.53	1.60	RWL	—	—	—	1.8	—	—	—	—	
1973 13	10:49:16.69			LM	—	—	35.772	117.662	—	B	—	8.00*	—	PAS	—	1.1	BRP	2.4	PAS	—	—	—	
1973 13	11:37: 5.26			LM	—	6	36.118	114.717	0.9	C	310	6.84	0.80	RWL	—	—	—	0.5	—	—	—	—	
1973 14	11:37:19.96			LM	—	6	36.118	114.651	0.9	C	187	4.20	2.10	RWL	—	—	—	0.6	—	—	—	—	
1973 14	22:19: 4.50			LM	0.36	5	37.443	115.053	0.9	B	177	6.92	1.30	RYN	—	—	—	3.8	—	—	—	—	
1973 14	23:45:18.18			LM	—	6	36.170	114.597	0.9	B	177	6.92	1.30	RWL	—	—	—	1.0	—	—	—	—	
1973 14	23:45:44.07			LM	—	7	36.161	114.603	0.9	B	152	5.90	0.80	RWL	—	—	—	0.3	—	—	—	—	
1973 15	4:56:53.69			LM	—	7	36.156	114.597	1.0	C	163	4.66	2.20	RWL	—	—	—	0.9	—	—	—	—	
1973 15	11:14: 8.44			LM	—	8	36.110	114.726	0.4	B	164	4.13	0.80	RWL	—	—	—	0.1	—	—	—	—	
1973 16	2:23: 0.61			LM	—	6	36.016	114.605	0.8	B	124	4.70	3.40	RWL	—	—	—	0.1	—	—	—	—	
1973 17	9:13:35.57			LM	—	9	35.971	114.810	0.3	C	215	6.48	0.40	RWL	—	—	—	0.2	—	—	—	—	
1973 18	0:55: 3.76			LM	—	7	36.097	114.748	0.4	B	156	6.21	0.70	RWL	—	—	—	0.1	—	—	—	—	
1973 18	22:17:44.84			LM	—	8	36.153	114.599	1.0	C	158	2.17	3.80	RWL	—	—	—	2.3	—	—	—	—	
1973 19	0: 9: 9.06			LM	—	10	36.112	114.687	0.3	B	97	6.47	0.60	RWL	—	—	—	0.3	—	—	—	—	
1973 19	16:48:53.02			—	—	—	35.606	117.483	—	—	—	8.00*	—	GDY	—	1	BRP	2.0	BRP	3.1	PAS	3.1	GDY

SGS HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY		MAGNITUDE												
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	REF	MD	REF	mb	REF	OTH	REF
1973 SEP	19	16:59:	3:37	LM	—	7	36.076	114.632	0.2 B	108		4.50	0.30 RWL	—	—	—	—	—	—	1.1 RWL	—	—	—	—	—
	20	1:47:	30:31	LM	—	6	36.164	114.609	1.0 B	170		4.26	1.70 RWL	—	—	—	—	—	—	1.2 RWL	—	—	—	—	
	20	3:40:	4:05	LM	—	7	35.958	114.970	1.3 C	312		6.68	2.00 RWL	—	—	—	—	—	—	1.8 RWL	—	—	—	—	
	20	4:37:	34:49	LM	—	7	35.926	114.824	0.6 C	274		5.65	1.10 RWL	—	—	—	—	—	—	0.6 RWL	—	—	—	—	
	20	10:43:	41:72	LM	—	6	35.974	114.809	0.5 C	209		8.08	0.80 RWL	—	—	—	—	—	—	0.6 RWL	—	—	—	—	
1973	20	15:7:	50:37	LM	—	6	36.088	114.702	1.1 C	157		4.91	2.40 RWL	—	—	—	—	—	—	0.3 RWL	—	—	—	—	
	21	18:48:	34:41	LM	—	8	36.086	114.723	0.7 B	121		8.77	0.90 RWL	—	—	—	—	—	—	0.2 RWL	—	—	—	—	
	28	2:43:	36:34	LM	—	6	35.972	114.805	1.0 C	208		8.18	1.70 RWL	—	—	—	—	—	—	1.3 RWL	—	—	—	—	
	28	14:20:	21:30	LM	0.21	4	38.201	117.460	—	—		—	—	—	—	—	—	—	—	2.3 RYN	—	—	—	—	
	1	14:49:	8:59	LM	—	7	35.951	114.961	1.2 C	312		6.92	2.00 RWL	—	—	—	—	—	—	1.9 RWL	—	—	—	—	
1973	2	1:39:	53:78	LM	—	8	35.973	114.815	0.8 C	219		7.21	0.90 RWL	—	—	—	—	—	—	0.2 RWL	—	—	—	—	
	2	15:15:	0:00	LM	—	—	37.200	115.800	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	
	3	13:49:	54:58	LM	—	7	35.924	114.646	0.4 C	235		4.47	0.90 RWL	—	—	—	—	—	—	0.3 RWL	—	—	—	—	
	3	14:22:	30:72	LM	—	8	35.875	114.593	0.8 D	274		0.75	—	—	—	—	—	—	—	0.6 RWL	—	—	—	—	
	3	22:35:	36:18	LM	—	6	36.111	114.724	0.1 C	182		7.14	0.10 RWL	—	—	—	—	—	—	0.4 RWL	—	—	—	—	
1973	4	7:51:	42:51	LM	—	5	36.044	114.702	2.2 C	91		7.62	2.70 RWL	—	—	—	—	—	—	0.6 RWL	—	—	—	—	
	4	10:14:	3:72	LM	—	6	36.005	114.699	0.2 A	81		4.12	0.90 RWL	—	—	—	—	—	—	0.7 RWL	—	—	—	—	
	4	17:54:	59:17	LM	—	7	36.122	114.653	0.3 B	109		2.20	1.40 RWL	—	—	—	—	—	—	1.4 RWL	—	—	—	—	
	5	3:11:	37:70	LM	—	8	36.119	114.652	0.2 B	105		2.46	1.20 RWL	—	—	—	—	—	—	1.8 RWL	—	—	—	—	
	5	10:50:	22:41	LM	—	7	36.071	114.721	0.2 B	114		9.46	0.50 RWL	—	—	—	—	—	—	1.8 RWL	—	—	—	2.7 GDY	
1973	6	7:36:	10:53	LM	—	—	36.062	117.408	—	—		8.00*	—	—	—	—	—	—	—	—	—	—	—	—	
	9	8:21:	55:20	LM	0.12	5	38.472	117.912	—	—		—	—	—	—	—	—	—	—	1.5 RYN	—	—	—	—	
	9	14:32:	36:86	LM	—	7	36.098	114.738	0.7 B	143		9.23	1.60 RWL	—	—	—	—	—	—	1.1 RWL	—	—	—	—	
	9	20:13:	32:76	LM	—	7	36.120	114.652	0.5 B	106		4.45	1.30 RWL	—	—	—	—	—	—	1.8 RWL	—	—	—	—	
	9	20:14:	1:98	LM	—	7	36.123	114.648	0.7 B	108		3.54	2.90 RWL	—	—	—	—	—	—	1.2 RWL	—	—	—	—	
1973	9	20:16:	6:61	LM	—	6	36.122	114.650	0.1 B	108		3.30	0.50 RWL	—	—	—	—	—	—	1.0 RWL	—	—	—	—	
	9	23:43:	0:19	LM	—	8	36.116	114.650	0.1 B	101		3.17	0.50 RWL	—	—	—	—	—	—	1.5 RWL	—	—	—	—	
	10	7:48:	28:15	LM	—	6	36.116	114.649	0.3 B	100		4.00*	0.80 RWL	—	—	—	—	—	—	1.6 RWL	—	—	—	—	
	11	15:12:	49:70	LM	0.07	5	38.029	116.181	—	—		—	—	—	—	—	—	—	—	3.1 RYN	—	—	—	—	
	11	18:37:	17:22	LM	—	5	36.016	114.693	2.3 C	183		7.76	2.70 RWL	—	—	—	—	—	—	1.2 RWL	—	—	—	—	
1973	12	21:19:	22:57	LM	—	6	36.092	114.679	0.4 B	116		5.32	0.80 RWL	—	—	—	—	—	—	0.8 RWL	—	—	—	—	
	12	22:15:	53:57	LM	—	5	36.094	114.678	0.4 C	114		5.76	0.90 RWL	—	—	—	—	—	—	0.4 RWL	—	—	—	—	
	13	6:57:	15:57	LM	—	6	36.125	114.663	0.9 B	116		4.81	3.30 RWL	—	—	—	—	—	—	0.3 RWL	—	—	—	—	
	14	11:53:	1:99	LM	—	7	36.000	114.615	0.3 C	135		0.44	60.40 RWL	—	—	—	—	—	—	1.9 RWL	—	—	—	—	
	14	12:2:	25:09	LM	—	5	35.998	114.616	0.3 C	137		3.58	0.90 RWL	—	—	—	—	—	—	1.1 RWL	—	—	—	—	
1973	14	19:18:	3:24	LM	—	8	35.998	114.613	0.7 C	139		3.33	2.40 RWL	—	—	—	—	—	—	0.9 RWL	—	—	—	—	
	16	7:43:	27:31	LM	—	8	35.955	114.758	0.8 B	142		4.04	1.40 RWL	—	—	—	—	—	—	1.3 RWL	—	—	—	—	
	19	0:22:	32:69	LM	—	8	36.107	114.652	0.6 B	99		6.26	1.40 RWL	—	—	—	—	—	—	1.0 RWL	—	—	—	—	
	21	14:37:	22:70	LM	—	—	37.267	117.512	—	D		8.00*	—	—	—	—	—	—	—	—	—	—	—	—	
	22	15:35:	4:66	LM	—	8	36.120	114.650	0.3 B	105		4.46	0.70 RWL	—	—	—	—	—	—	1.7 RWL	—	—	—	—	
1973	22	15:40:	39:01	LM	—	7	36.122	114.650	0.5 B	108		3.51	1.80 RWL	—	—	—	—	—	—	1.3 RWL	—	—	—	—	
	22	17:1:	23:26	LM	—	8	35.925	114.805	0.8 C	206		5.04	1.40 RWL	—	—	—	—	—	—	1.3 RWL	—	—	—	—	
	26	18:36:	39:53	LM	—	6	36.144	114.671	0.6 B	151		4.99	1.50 RWL	—	—	—	—	—	—	1.4 RWL	—	—	—	—	
	28	7:56:	45:38	LM	—	8	35.927	114.826	0.5 C	274		5.98	0.80 RWL	—	—	—	—	—	—	1.3 RWL	—	—	—	—	
	28	18:2:	0:32	LM	—	9	36.087	114.763	0.3 B	167		10.31	0.60 RWL	—	—	—	—	—	—	0.6 RWL	—	—	—	—	
1973	30	3:14:	0:61	LM	—	7	35.958	114.959	1.1 C	311		3.69	3.00 RWL	—	—	—	—	—	—	2.0 RWL	—	—	—	—	
	30	13:33:	15:20	LM	—	9	36.094	114.674	0.5 A	86		7.20	1.30 RWL	—	—	—	—	—	—	0.7 RWL	—	—	—	—	
	30	15:2:	10:34	LM	—	7	36.091	114.677	0.1 A	80		6.32	0.30 RWL	—	—	—	—	—	—	1.5 RWL	—	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE	(UTC)	ORIGIN TIME		HYPOCENTER					INTENSITY		MAGNITUDE														
		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF	
1973	OCT 30	15:47:40.10			LM	—	8	36.091	114.680	0.2	A	81	6.45	0.40	RWL	—	—	—	1.6	RWL	—	—	—	—	—
1973	30	17:41:52.70			LM	—	9	36.096	114.676	0.5	B	112	7.38	0.90	RWL	—	—	—	1.0	RWL	—	—	—	—	—
1973	30	17:51:48.52			LM	—	8	36.093	114.679	0.3	A	81	6.14	0.60	RWL	—	—	—	2.6	RWL	—	—	—	—	—
1973	30	18:11:22.87			LM	—	8	36.093	114.679	0.2	A	80	5.70	0.50	RWL	—	—	—	1.8	RWL	—	—	—	—	—
1973	30	19:52:46.83			LM	—	10	36.093	114.677	0.3	A	82	5.97	0.70	RWL	—	—	—	1.6	RWL	—	—	—	—	—
1973	30	20:15:47.65			LM	—	10	36.093	114.677	0.3	A	83	6.32	0.60	RWL	—	—	—	1.2	RWL	—	—	—	—	—
1973	30	21:19:52.13			LM	—	11	36.095	114.676	0.2	A	85	6.28	0.60	RWL	—	—	—	1.5	RWL	—	—	—	—	—
1973	30	23:32:41.70			LM	—	8	36.093	114.677	0.3	A	82	6.27	0.60	RWL	—	—	—	1.2	RWL	—	—	—	—	—
1973	31	4:22: 7.97			LM	—	7	36.093	114.677	0.4	B	114	5.38	1.00	RWL	—	—	—	0.7	RWL	—	—	—	—	—
1973	31	5: 3:40.61			LM	—	8	36.094	114.680	0.2	A	81	5.77	0.40	RWL	—	—	—	2.5	RWL	—	—	—	—	—
1973	31	5: 5:19.92			LM	—	7	36.096	114.675	0.4	B	116	6.77	1.00	RWL	—	—	—	0.5	RWL	—	—	—	—	—
1973	31	5:12: 4.21			LM	—	8	36.097	114.674	0.5	B	110	5.48	1.40	RWL	—	—	—	0.6	RWL	—	—	—	—	—
1973	31	5:30:37.50			LM	—	10	36.095	114.677	0.2	A	84	6.27	0.40	RWL	—	—	—	1.4	RWL	—	—	—	—	—
1973	31	5:32:12.24			LM	—	7	36.093	114.676	0.3	B	118	6.04	0.70	RWL	—	—	—	0.9	RWL	—	—	—	—	—
1973	31	5:32:29.55			LM	—	8	36.093	114.678	0.2	A	81	5.99	0.50	RWL	—	—	—	1.7	RWL	—	—	—	—	—
1973	31	6:12:47.56			LM	—	7	36.090	114.676	0.2	B	115	5.44	0.60	RWL	—	—	—	0.6	RWL	—	—	—	—	—
1973	31	6:24: 8.05			LM	—	11	36.098	114.678	0.3	A	83	6.72	0.70	RWL	—	—	—	1.7	RWL	—	—	—	—	—
1973	31	9: 0: 5.31			LM	—	6	36.094	114.677	0.1	B	114	5.92	0.20	RWL	—	—	—	0.5	RWL	—	—	—	—	—
1973	31	9: 7:16.49			LM	—	7	36.095	114.677	0.3	B	113	6.20	0.70	RWL	—	—	—	0.9	RWL	—	—	—	—	—
1973	31	12:36:38.82			LM	—	8	36.093	114.680	0.4	A	81	5.91	0.80	RWL	—	—	—	1.5	RWL	—	—	—	—	—
1973	31	13:38:16.63			LM	—	9	36.092	114.674	0.3	A	84	6.16	0.90	RWL	—	—	—	1.8	RWL	—	—	—	—	—
1973	31	20:44:16.84			LM	—	8	36.092	114.676	0.2	A	82	6.12	0.50	RWL	—	—	—	2.3	RWL	—	—	—	—	—
1973	31	22:45:30.68			LM	—	12	36.095	114.677	0.3	A	84	7.61	0.70	RWL	—	—	—	0.9	RWL	—	—	—	—	—
1973	NOV 1	5:17:26.94			LM	—	11	36.089	114.674	0.4	A	81	6.40	1.00	RWL	—	—	—	1.2	RWL	—	—	—	—	—
1973	1	5:35:21.10			LM	—	7	36.090	114.678	0.2	B	116	5.97	0.50	RWL	—	—	—	0.2	RWL	—	—	—	—	—
1973	1	9:17: 4.96			LM	—	12	36.094	114.672	0.4	A	87	7.83	1.00	RWL	—	—	—	1.6	RWL	—	—	—	—	—
1973	2	3: 6: 7.54			LM	—	7	36.093	114.677	0.3	A	82	5.80	0.60	RWL	—	—	—	1.5	RWL	—	—	—	—	—
1973	2	7:20:58.10			LM	—	8	36.094	114.679	0.3	A	82	6.18	0.60	RWL	—	—	—	1.8	RWL	—	—	—	—	—
1973	2	8:53:51.90			LM	—	8	36.092	114.680	0.2	A	81	6.22	0.40	RWL	—	—	—	2.1	RWL	—	—	—	—	—
1973	2	11:26:38.21			LM	—	5	36.093	114.675	0.4	C	113	6.64	0.90	RWL	—	—	—	0.8	RWL	—	—	—	—	—
1973	3	15:49:28.97			LM	—	6	35.957	114.894	0.7	C	230	9.56	1.00	RWL	—	—	—	1.8	RWL	—	—	—	—	—
1973	4	8:36:41.42			LM	—	6	36.090	114.676	0.2	B	114	6.14	0.50	RWL	—	—	—	0.8	RWL	—	—	—	—	—
1973	5	2:50:22.20			LM	0.26	5	37.959	115.110	—	—	—	—	—	RYN	—	—	—	3.0	RYN	—	—	—	—	—
1973	5	10: 3:17.80			LM	—	7	36.119	114.651	0.3	B	104	4.93	0.90	RWL	—	—	—	2.5	RWL	—	—	—	—	—
1973	5	10:15:45.00			LM	—	6	36.118	114.652	0.3	B	103	3.98	1.00	RWL	—	—	—	1.4	RWL	—	—	—	—	—
1973	5	19:39: 5.12			LM	—	6	36.120	114.649	0.1	B	134	4.25	0.30	RWL	—	—	—	1.6	RWL	—	—	—	—	—
1973	5	20: 6:41.87			LM	—	7	36.117	114.651	0.3	B	102	4.00*	0.80	RWL	—	—	—	0.8	RWL	—	—	—	—	—
1973	5	20: 9:11.53			LM	—	7	36.122	114.651	0.2	B	108	3.02	0.90	RWL	—	—	—	2.4	RWL	—	—	—	—	—
1973	7	1:11:42.67			LM	—	5	36.040	114.775	1.0	C	136	9.93	2.60	RWL	—	—	—	1.2	RWL	—	—	—	—	—
1973	7	7:13:30.33			LM	—	7	36.120	114.648	0.2	B	105	5.07	0.60	RWL	—	—	—	2.2	RWL	—	—	—	—	—
1973	7	7:26:47.92			LM	—	7	36.116	114.650	0.3	B	101	4.65	0.70	RWL	—	—	—	1.7	RWL	—	—	—	—	—
1973	7	7:27:25.38			LM	—	7	36.115	114.648	0.3	B	101	3.99	0.90	RWL	—	—	—	1.5	RWL	—	—	—	—	—
1973	7	7:29: 6.49			LM	—	7	36.118	114.648	0.2	B	102	4.58	0.40	RWL	—	—	—	1.9	RWL	—	—	—	—	—
1973	7	13:11:43.21			LM	—	6	36.114	114.648	0.3	B	102	3.36	0.90	RWL	—	—	—	1.2	RWL	—	—	—	—	—
1973	7	15:15:46.80			LM	—	6	36.094	114.838	1.3	C	234	11.06	1.90	RWL	—	—	—	1.3	RWL	—	—	—	—	—
1973	8	18:58:51.13			LM	—	6	36.118	114.846	0.3	B	139	3.23	0.80	RWL	—	—	—	1.2	RWL	—	—	—	—	—
1973	9	17: 1:32.33			LM	—	7	36.094	114.676	0.3	A	84	5.98	0.60	RWL	—	—	—	1.5	RWL	—	—	—	—	—
1973	9	20:27:33.73			LM	—	6	36.094	114.674	0.3	B	111	6.94	0.60	RWL	—	—	—	1.3	RWL	—	—	—	—	—

SGS HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY				MAGNITUDE												
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1973 NOV 10	16:45:38.88			LM	—	6	36.106	114.738	0.5 B	148		4.56	1.20	RWL	—	—	—	1.7	RWL	—	—	—	—
1973 10	19:12:17.75			LM	—	7	36.108	114.651	0.3 B	100		6.59	0.50	RWL	—	—	—	1.5	RWL	—	—	—	—
1973 11	19:12:37.78			LM	—	7	36.091	114.679	0.4 A	80		5.40	0.90	RWL	—	—	—	1.8	RWL	—	—	—	—
1973 11	21:32:50.78			LM	—	6	36.092	114.677	—	B	114	5.77	0.10	RWL	—	—	—	0.5	RWL	—	—	—	—
1973 11	21:39:38.82			LM	—	5	36.095	114.755	0.5 C	134		3.51	2.10	RWL	—	—	—	0.9	RWL	—	—	—	—
1973 12	2:56:52.45			LM	—	5	36.007	114.750	0.2 C	136		2.47	1.10	RWL	—	—	—	0.8	RWL	—	—	—	—
1973 13	0:47:15.92			LM	—	8	36.089	114.675	0.4 A	82		6.09	0.90	RWL	—	—	—	0.8	RWL	—	—	—	—
1973 13	7: 4:13.29			LM	—	8	36.044	114.678	1.2 C	276		4.67	2.10	RWL	—	—	—	1.5	RWL	—	—	—	—
1973 13	8:28:37.16			LM	—	7	35.985	114.770	0.8 B	137		7.48	1.60	RWL	—	—	—	1.9	RWL	—	—	—	—
1973 13	20:38:5.24			LM	—	8	35.980	114.810	0.8 C	232		8.32	1.30	RWL	—	—	—	1.7	RWL	—	—	—	—
1973 14	12:50:30.99			LM	—	6	36.097	114.681	0.1 B	115		5.45	0.30	RWL	—	—	—	1.1	RWL	—	—	—	—
1973 14	15:19:10.10			LM	0.30	4	37.993	116.042	—	—		—	—	RYN	—	—	—	3.0	RYN	—	—	—	—
1973 14	18:26:17.00			LM	—	8	36.094	114.679	0.3 A	82		6.12	0.60	RWL	—	—	—	1.2	RWL	—	—	—	—
1973 14	22:20:16.18			LM	—	6	35.946	114.835	0.8 C	269		2.35	3.60	RWL	—	—	—	1.4	RWL	—	—	—	—
1973 15	7:37:11.43			LM	—	7	35.117	114.851	0.3 B	101		3.84	0.90	RWL	—	—	—	1.9	RWL	—	—	—	—
1973 15	15:31:34.86			LM	—	8	35.959	114.796	0.5 C	218		8.94	0.80	RWL	—	—	—	1.5	RWL	—	—	—	—
1973 16	5:14:46.98			LM	—	9	35.978	114.785	0.2 B	169		6.52	0.40	RWL	—	—	—	1.4	RWL	—	—	—	—
1973 16	18:58:12.16			LM	—	9	35.976	114.792	0.4 C	181		7.61	0.50	RWL	—	—	—	1.6	RWL	—	—	—	—
1973 17	7:49:0.18			LM	—	8	35.978	114.785	0.3 B	168		7.25	0.40	RWL	—	—	—	1.0	RWL	—	—	—	—
1973 17	8: 7: 5.55			LM	—	8	35.986	114.762	0.5 B	123		6.87	1.10	RWL	—	—	—	1.7	RWL	—	—	—	—
1973 17	14:43:34.91			LM	—	7	35.986	114.758	0.7 B	117		7.01	1.60	RWL	—	—	—	1.4	RWL	—	—	—	—
1973 17	19:28:34.44			LM	—	7	35.977	114.794	0.1 C	183		7.76	0.10	RWL	—	—	—	1.3	RWL	—	—	—	—
1973 17	19:39:24.95			LM	—	7	35.976	114.793	0.2 C	184		7.47	0.40	RWL	—	—	—	1.5	RWL	—	—	—	—
1973 17	22:54:42.30			LM	—	6	35.984	114.787	2.3 C	164		5.00*	6.10	RWL	—	—	—	1.4	RWL	—	—	—	—
1973 19	1: 2:37.60			LM	—	9	35.975	114.792	0.5 C	183		8.65	0.80	RWL	—	—	—	1.8	RWL	—	—	—	—
1973 19	2:21: 2.22			LM	—	9	35.959	114.990	1.3 C	315		6.73	3.00	RWL	—	—	—	1.9	RWL	—	—	—	—
1973 20	8:20:16.31			LM	—	7	36.092	114.679	0.3 A	80		5.38	0.70	RWL	—	—	—	2.0	RWL	—	—	—	—
1973 20	10: 5: 9.62			LM	—	7	36.092	114.675	0.3 B	160		6.33	0.30	RWL	—	—	—	0.5	RWL	—	—	—	—
1973 20	10:46:30.46			LM	—	7	36.091	114.682	0.3 B	152		5.39	0.40	RWL	—	—	—	0.4	RWL	—	—	—	—
1973 20	11:58:22.84			LM	—	10	36.094	114.673	0.4 A	87		6.52	1.00	RWL	—	—	—	1.7	RWL	—	—	—	—
1973 20	23:22: 3.20			LM	—	8	36.093	114.676	0.2 A	83		5.69	0.50	RWL	—	—	—	1.8	RWL	—	—	—	—
1973 20	23:58:13.32			LM	—	8	35.974	114.799	1.1 C	196		10.33	1.70	RWL	—	—	—	1.9	RWL	—	—	—	—
1973 21	12:58: 3.65			LM	—	10	35.981	114.792	0.3 B	174		8.40	0.60	RWL	—	—	—	1.8	RWL	—	—	—	—
1973 21	14:36:35.35			LM	—	12	36.098	114.675	0.3 A	85		8.12	0.60	RWL	—	—	—	1.8	RWL	—	—	—	—
1973 21	14:42: 9.70			LM	—	8	35.980	114.792	1.4 C	176		8.31	2.40	RWL	—	—	—	2.0	RWL	—	—	—	—
1973 22	5:46:20.73			LM	—	9	36.116	114.650	0.2 B	100		3.29	0.70	RWL	—	—	—	1.6	RWL	—	—	—	—
1973 22	13:50:43.84			LM	—	10	36.115	114.652	0.3 B	100		4.37	0.90	RWL	—	—	—	1.4	RWL	—	—	—	—
1973 23	15:47: 2.04			LM	—	10	35.979	114.793	0.3 B	178		8.36	0.60	RWL	—	—	—	1.5	RWL	—	—	—	—
1973 24	1:32:57.75			LM	—	10	35.977	114.792	0.4 C	181		7.08	0.60	RWL	—	—	—	1.2	RWL	—	—	—	—
1973 24	4:58:32.19			LM	—	8	36.115	114.649	0.2 B	101		4.69	0.50	RWL	—	—	—	2.7	RWL	—	—	—	—
1973 24	9:29:55.48			LM	—	11	35.979	114.792	0.4 B	176		7.59	0.60	RWL	—	—	—	1.4	RWL	—	—	—	—
1973 24	12: 1: 5.87			LM	—	11	36.093	114.673	0.3 A	86		7.85	0.80	RWL	—	—	—	1.6	RWL	—	—	—	—
1973 24	21:20:34.61			LM	—	7	36.093	114.736	0.3 B	139		5.89	0.80	RWL	—	—	—	1.0	RWL	—	—	—	—
1973 25	4:19: 5.37			LM	—	11	36.089	114.676	0.4 A	85		7.63	1.00	RWL	—	—	—	1.7	RWL	—	—	—	—
1973 25	9:59:29.69			LM	—	9	36.081	114.766	0.9 B	165		7.95	1.40	RWL	—	—	—	0.6	RWL	—	—	—	—
1973 25	22:32: 9.57			LM	—	7	36.012	114.611	0.3 B	156		3.72	1.20	RWL	—	—	—	2.0	RWL	—	—	—	—
1973 26	3:50:26.63			LM	—	7	36.010	114.612	0.3 B	157		3.66	1.50	RWL	—	—	—	2.0	RWL	—	—	—	—
1973 26	6:43:37.32			LM	—	7	35.970	114.795	0.6 C	198		9.64	1.10	RWL	—	—	—	1.5	RWL	—	—	—	—

SG8 HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY		MAGNITUDE										
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1973 NOV	26	8:33	4.90	LM	—	7	36.113	114.651	0.2	B	99	4.14	0.60	RWL	—	—	—	2.2	RWL	—	—	—	—
	26	12:42	33.69	LM	—	7	36.113	114.649	0.2	B	101	3.91	0.50	RWL	—	—	—	2.3	RWL	—	—	—	—
	26	13:42	41.27	LM	—	10	35.980	114.754	0.6	B	116	6.53	1.90	RWL	—	—	—	1.5	RWL	—	—	—	—
	27	18:47	19.50	LM	—	4	36.089	114.677	—	C	153	5.00*	—	RWL	—	—	—	1.9	RWL	—	—	—	—
	27	19:47	4.55	LM	—	6	36.089	114.766	1.6	C	252	8.63	1.80	RWL	—	—	—	0.9	RWL	—	—	—	—
	28	1:44	19.99	LM	—	4	36.111	114.651	—	C	194	3.54	—	RWL	—	—	—	1.8	RWL	—	—	—	—
	28	1:55	49.38	LM	—	5	36.113	114.654	0.4	C	195	4.02	0.90	RWL	—	—	—	1.6	RWL	—	—	—	—
	28	5:12	38.39	LM	—	6	36.101	114.731	0.3	C	199	7.46	0.20	RWL	—	—	—	1.3	RWL	—	—	—	—
1973	28	6:24	26.69	LM	—	4	36.110	114.653	—	C	193	3.06	—	RWL	—	—	—	2.7	RWL	—	—	—	—
	28	7:15	34.36	LM	—	4	36.110	114.654	—	C	192	3.89	—	RWL	—	—	—	2.2	RWL	—	—	—	—
	28	9:46	32.11	LM	—	6	36.109	114.652	1.2	C	192	6.01	1.90	RWL	—	—	—	1.6	RWL	—	—	—	—
	28	10: 2	3.93	LM	—	4	36.110	114.655	—	C	192	4.36	—	RWL	—	—	—	2.2	RWL	—	—	—	—
	28	10:40	40.41	LM	—	7	36.084	114.758	1.0	C	243	9.04	0.80	RWL	—	—	—	0.8	RWL	—	—	—	—
	28	10:44	16.69	LM	—	7	36.078	114.769	1.6	C	257	8.36	1.20	RWL	—	—	—	1.1	RWL	—	—	—	—
	28	17:37	4.49	LM	—	5	36.117	114.654	0.5	C	200	4.28	1.00	RWL	—	—	—	1.2	RWL	—	—	—	—
	29	6:12	46.32	LM	—	4	36.108	114.653	—	C	191	3.09	—	RWL	—	—	—	2.7	RWL	—	—	—	—
1973	29	6:13	36.50	LM	—	4	36.111	114.649	—	C	195	1.26	—	RWL	—	—	—	2.4	RWL	—	—	—	—
	29	6:14	28.04	LM	—	5	36.114	114.650	0.3	C	199	3.73	0.70	RWL	—	—	—	1.3	RWL	—	—	—	—
	29	6:18	31.32	LM	—	5	36.107	114.652	0.2	C	191	3.37	0.50	RWL	—	—	—	1.3	RWL	—	—	—	—
	29	6:21	46.57	LM	—	5	36.110	114.651	0.6	C	194	4.99	1.30	RWL	—	—	—	1.6	RWL	—	—	—	—
	29	6:23	3.29	LM	—	5	36.110	114.654	0.3	C	192	3.12	0.60	RWL	—	—	—	1.7	RWL	—	—	—	—
	29	7:23	39.03	LM	—	5	36.112	114.649	0.5	C	197	4.76	1.10	RWL	—	—	—	1.2	RWL	—	—	—	—
	29	8: 7	47.74	LM	—	4	36.110	114.653	—	C	193	3.06	—	RWL	—	—	—	1.5	RWL	—	—	—	—
	29	23:30	27.06	LM	—	6	36.087	114.758	1.3	C	243	9.51	1.20	RWL	—	—	—	1.2	RWL	—	—	—	—
1973	30	6:19	28.11	LM	—	6	36.121	114.651	0.6	C	206	4.09	1.00	RWL	—	—	—	1.1	RWL	—	—	—	—
	30	6:55	16.49	LM	—	4	36.111	114.651	—	C	194	3.54	—	RWL	—	—	—	1.9	RWL	—	—	—	—
	1	3:38	24.01	LM	—	4	36.110	114.654	—	C	192	3.89	—	RWL	—	—	—	1.8	RWL	—	—	—	—
	1	5: 4	17.90	LM	—	4	36.106	114.652	—	C	189	3.11	—	RWL	—	—	—	2.3	RWL	—	—	—	—
	1	8:50	37.12	LM	—	5	36.110	114.649	0.4	C	194	4.59	0.90	RWL	—	—	—	1.1	RWL	—	—	—	—
	1	8:52	43.28	LM	—	4	36.109	114.651	—	C	192	4.34	—	RWL	—	—	—	1.5	RWL	—	—	—	—
	1	11: 6	49.17	LM	—	4	36.106	114.653	—	C	189	3.83	—	RWL	—	—	—	1.3	RWL	—	—	—	—
	2	7:37	13.23	LM	—	7	36.070	114.759	1.8	C	251	11.50	1.40	RWL	—	—	—	1.1	RWL	—	—	—	—
1973 DEC	3	18: 8	31.98	LM	—	6	36.090	114.741	1.3	C	218	7.85	0.80	RWL	—	—	—	1.3	RWL	—	—	—	—
	3	20:33	16.43	LM	—	4	36.108	114.654	—	C	190	3.89	—	RWL	—	—	—	1.8	RWL	—	—	—	—
	4	0:26	27.38	LM	—	6	36.090	114.742	1.2	C	220	8.12	0.80	RWL	—	—	—	1.1	RWL	—	—	—	—
	4	15:48	41.38	LM	—	5	36.095	114.733	1.9	C	205	8.41	2.10	RWL	—	—	—	1.8	RWL	—	—	—	—
	4	17:30	23.14	LM	—	5	36.114	114.650	0.2	C	199	3.69	0.70	RWL	—	—	—	1.0	RWL	—	—	—	—
	4	17:35	1.48	LM	—	7	36.084	114.767	1.3	C	254	10.20	0.90	RWL	—	—	—	0.9	RWL	—	—	—	—
	5	5:47	20.42	LM	—	6	36.090	114.682	0.2	B	150	6.74	0.20	RWL	—	—	—	0.9	RWL	—	—	—	—
	5	15:25	39.17	LM	—	4	36.085	114.748	—	C	231	9.06	—	RWL	—	—	—	2.0	RWL	—	—	—	—
1973	6	15:54	51.83	—	—	—	35.702	117.471	—	B	—	8.00*	—	PAS	—	1.1 BRP	2.4 PAS	—	—	—	—	—	—
	7	8:11	16.78	—	—	—	36.369	117.857	—	B	—	8.00*	—	PAS	—	1.2 BRP	2.5 PAS	—	—	—	—	—	—
	11	5:49	27.31	—	—	—	36.009	117.717	—	B	—	8.00*	—	PAS	—	1.8 BRP	3.0 PAS	—	—	—	—	—	—
1973	12	19: 0	0:50	SIZ	—	—	36.900	116.000	—	A	—	5.00*	—	BRP	5	4.0 BRP	4.4 PDX	—	—	4.5 PDX	—	—	—
	19	6:10	14.30	—	0.54	6	36.251	117.015	—	—	—	—	—	RYN	—	—	—	2.9 RYN	—	—	—	—	—
	19	6:59	31.10	—	0.60	5	38.222	117.018	—	—	—	—	—	RYN	—	—	—	—	—	—	—	—	—
	19	19:16	1:40	SIZ	0.35	6	37.013	116.032	—	—	—	—	—	RYN	—	—	—	3.2 RYN	—	—	—	—	—
	26	6:18	16.60	LM	—	—	36.100	114.600	—	A	—	5.00*	—	BRP	—	—	3.1 PDX	—	—	—	—	—	—
	26	6:18	16.60	LM	—	—	36.100	114.600	—	A	—	5.00*	—	BRP	—	—	3.1 PDX	—	—	—	—	—	—
	26	6:18	16.60	LM	—	—	36.100	114.600	—	A	—	5.00*	—	BRP	—	—	3.1 PDX	—	—	—	—	—	—
	26	6:18	16.60	LM	—	—	36.100	114.600	—	A	—	5.00*	—	BRP	—	—	3.1 PDX	—	—	—	—	—	—

SGS HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER							INTENSITY		MAGNITUDE									
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS REF	ML REF	MD REF	mb REF	OTH REF
1974	JAN	25	22:42:19.10				0.50	7	37.436	117.323						RYN							
1974	FEB	4	7:47:1.70				0.72	5	38.096	117.066						RYN							
1974		21	6:20:11.33						35.827	117.642		B		4.83		PAS			1.2 BRP	2.5 PAS	2.4 RYN		
1974		24	2:52:49.39						35.925	117.664		B		8.00*		PAS			1.3 BRP	2.6 PAS			
1974		28	2:56:0.00			CSNL			37.100	116.050						ISC							3.7 ISC
1974	MAR	12	16:53:8.19						36.934	116.608		D		11.10		PAS				3.0 PAS			
1974		16	17:52:45.55						35.815	117.694		B		4.58		PAS			1.5 BRP	2.7 PAS			
1974		20	10:39:57.70						37.034	116.677		D		24.90		PAS				3.0 PAS			
1974	APR	5	0:27:31.80				0.25	5	37.688	114.837						RYN					3.8 RYN		
1974		11	20:28:47.50				0.15	7	37.890	117.793						PAS					2.3 RYN		
1974		15	11:29:43.68						38.146	117.974		D		8.00*		RYN				3.1 PAS			
1974		23	15:13:0.11			SIZ			37.006	116.221				8.00*		GDY				3.6 PAS			3.4 GDY
1974	MAY	13	8:46:19.44						36.851	117.820				8.00*		GDY				2.3 PAS			2.3 GDY
1974		13	8:46:21.00				0.42	5	38.399	115.779						RYN							
1974		13	10:11:48.60						38.400	116.830				6.00*		ISC				2.4 ISC			
1974		13	15:37:15.10				0.10	6	38.337	117.161						RYN							
1974		19	20:3:4.48						35.896	117.725		B		0.88		PAS	1	BRP	2.0 BRP	3.1 PAS			
1974		19	21:54:43.86						35.868	117.756		B		3.61		PAS			0.8 BRP	2.2 PAS			
1974		19	21:58:2.57						35.897	117.745		B		3.81		PAS			0.5 BRP	2.0 PAS			
1974		19	22:9:14.89						35.897	117.726		B		2.91		PAS			0.8 BRP	2.2 PAS			
1974		19	22:58:57.85						35.922	117.748		B		0.64		PAS			0.7 BRP	2.1 PAS			
1974		19	23:43:37.59						35.902	117.740		B		4.34		PAS			0.8 BRP	2.2 PAS			
1974		20	0:16:1.49						35.904	117.714		B		4.42		PAS			1.8 BRP	3.0 PAS			
1974		20	0:27:17.07						35.899	117.745		B		3.64		PAS			0.8 BRP	2.2 PAS			
1974		20	3:27:55.01						35.885	117.735		B		2.31		PAS			0.7 BRP	2.1 PAS			
1974		20	6:3:20.04						35.898	117.742		B		3.54		PAS			0.8 BRP	2.2 PAS			
1974		20	6:25:5.94						35.895	117.756		B		8.00*		PAS			1.2 BRP	2.5 PAS			
1974		20	21:50:18.37						35.867	117.760		B		4.06		PAS			1.3 BRP	2.6 PAS			
1974		22	14:15:1.29			SIZ			37.072	116.091				8.00*		GDY	5	BRP	4.0 BRP	4.3 PDX		4.4 PDX	4.4 GDY
1974		23	16:41:52.01						35.602	117.068		B		3.78		PAS			1.2 BRP	2.5 PAS			
1974		26	16:33:13.07						36.400	117.908		C		3.14		PAS			0.5 BRP	2.0 PAS			
1974		29	18:10:40.76			SIZ			36.835	115.897				8.00*		GDY				3.9 PAS			4.0 GDY
1974		29	19:23:31.36			SIZ			36.972	115.836				8.00*		GDY	3	PDX		3.8 PAS			
1974		31	3:43:22.26						35.837	117.516		B		8.95		PAS	1	BRP		3.1 PAS			
1974	JUN	1	4:36:18.60						36.730	116.041						RYN							
1974		6	14:40:0.00			SIZ	0.47	6	37.000	116.000		A		2.00*		BRP	5	BRP	4.0 BRP			4.4 PDX	
1974						SIZ																	
1974		11	4:55:7.41						35.637	115.663				8.00*		GDY	1	BRP		3.8 PAS			3.8 GDY
1974		11	12:40:45.10				0.60	8	37.902	115.514						RYN	5	BRP	4.0 BRP		4.6 RYN		4.4 GDY
1974		11	12:41:4.70						38.130	117.190						BRK							
1974		11	12:53:8.15						37.595	115.296				8.00*		GDY	4	BRP	3.0 BRP			3.9 PDX	3.9 GDY
1974	JUL	5	11:28:0.00						36.170	116.830				8.00*		RYN	1	BRP			3.3 RYN		3.3 GDY
1974		5	13:10:32.79						35.937	117.088				8.00*		GDY			2.2 BRP	3.3 PAS			
1974		7	7:22:52.66						35.909	117.827				8.00*		GDY	1	BRP					3.4 GDY
1974		7	7:44:13.22						35.780	117.700		B		8.00*		PAS			0.9 BRP	2.3 PAS			
1974		8	17:26:45.71						35.760	117.706		B		3.16		PAS			1.7 BRP	2.9 PAS			
1974		10	21:9:45.30			CSNL			37.276	116.354						ISC							
1974		15	6:6:18.78						35.957	117.982		B		4.31		PAS			1.5 BRP	2.7 PAS			
1974		18	14:0:1.30			SIZ			37.100	116.100		A		5.00*		BRP	5	BRP	4.0 BRP	4.2 PDX		4.1 PDX	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY			MAGNITUDE														
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1974	JUL	22	23:51:55.85						35.769	117.665		B		5.24		PAS			1.8 BRP		3.0 PAS							
1974	JUL	23	0: 2:12.44						35.819	117.571		C		11.10		PAS			1.5 BRP		2.7 PAS							
1974	JUL	29	3: 8: 2.40				0.10	6	37.747	115.969						RYN												
1974	JUL	29	17:54:40.70				0.39	8	38.028	116.132						RYN							2.4 RYN					
1974	JUL	31	7:31:27.45						35.695	117.691				8.00*		GDY	1	BRP			3.3 PAS			3.0 RYN				4.0 GDY
1974	AUG	3	1:51:26.19						35.739	117.701		B		0.59		PAS			1.6 BRP		2.8 PAS							
1974		9	5: 1:49.80				0.44	6	38.193	117.840						RYN							2.7 RYN					
1974		21	16:57:46.70				0.86	9	38.482	117.820						RYN							3.3 RYN					
1974		25	10:10:59.53						35.855	117.662				8.00*		GDY	1	BRP	2.9 BRP		3.8 PAS				4.1 PDX		4.1 GDY	
1974		25	12:21:58.45						35.876	117.691				8.00*		GDY	1	BRP			3.6 PAS						3.7 GDY	
1974		26	8: 5:41.70				0.76	6	37.325	115.199						RYN							3.6 RYN					
1974		29	17:15:59.50						35.776	117.726		B		3.98		PAS			1.6 BRP		2.8 PAS							
1974	SEP	13	16:29:28.67						35.902	117.248		C		9.38		PAS	1	BRP	2.1 BRP		3.2 PAS							
1974		17	1:28:37.27						36.120	117.731		C		1.73		PAS			1.5 BRP		2.7 PAS							
1974		21	20:16:17.79						35.818	117.712		C		16.10		PAS			0.8 BRP		2.2 PAS							
1974		25	14: 0: 0.30			SIZ			37.000	116.000		A		5.00*		BRP	5	BRP	4.0 BRP						4.4 PDX			
1974		25	15: 2:35.90			CSNL		6	37.023	116.970						ISC												
1974		27	3:10:35.70						35.885	117.683		B		8.00*		PAS			1.3 BRP		2.6 PAS							
1974	OCT	4	17:43:10.27						35.908	117.243		B		1.59		PAS			1.8 BRP		3.0 PAS							
1974		5	12:15:54.59						35.951	117.790		B		8.00*		PAS			0.9 BRP		2.3 PAS							
1974		24	3:54:53.21						35.920	117.239		B		4.56		PAS			1.6 BRP		2.8 PAS							
1974	NOV	14	16:20:41.15						37.735	117.994		D		8.00*		PAS					4.0 PAS							
1974		18	6:43:51.96						35.684	117.576		B		7.11		PAS	2	BRP			3.2 PAS							
1974		18	14:27:54.18						37.672	117.800		D		8.00*		PAS					3.2 PAS							
1974	DEC	7	10: 8:30.66						37.138	117.839				8.00*		GDY	1	BRP	2.4 BRP		4.0 BRK						3.4 PAS	
1974		9	4:58: 1.30				0.26	6	37.302	117.865						RYN							3.2 RYN					
1974		14	22:40: 6.96						36.580	116.634		D		0.50		PAS			0.8 BRP		2.2 PAS							
1974		16	17:30: 0.50			SIZ			36.900	116.000		A		5.00*		BRP	5	BRP	4.0 BRP						4.3 PDX			
1974		27	4:49:45.95			SIZ			36.971	116.155		D		8.00*		PAS					3.4 PAS							
1975	JAN	1	45:54:47.20				0.09	15	38.284	117.840		C		3.59		RYN							2.9 RYN					
1975		2	18:40:15.10				0.05	7	38.285	117.866		C		7.27		RYN							1.7 RYN					
1975		4	5:28:32.83					8	35.818	117.727		C		8.00*		PAS					2.4 PAS							
1975		9	12:15:40.36					5	36.798	116.256		C		5.92		PAS			2.9 PAS									
1975		14	3:36:29.49					8	35.963	117.233		C		4.64		PAS					2.4 PAS							
1975		14	10:59: 3.70				0.35	7	37.351	117.673						RYN							2.4 RYN					
1975		14	21:54:48.50				0.29	13	37.343	117.650						RYN							2.8 RYN					
1975		15	20:42:58.40				0.22	10	37.339	117.648						RYN							2.6 RYN					
1975	FEB	4	4:58:38.70				0.20	13	37.614	117.671		D		4.59		RYN							2.5 RYN					
1975		6	15:30: 2.60				1.54	4	37.259	115.909						RYN					3.5 PAS							
1975		6	16:13: 1.60			SIZ		26	37.052	116.001				16.00*		ISC												
1975		7	13: 0: 1.30				0.24	17	38.485	117.843		C		8.90		RYN							2.2 RYN					
1975		8	11:46:40.98					10	36.509	117.382		B		5.28		PAS					2.7 PAS							
1975		25	11:13:22.40						37.100	117.900						RYN	5	BRP	4.0 BRP		4.2 BRK			4.0 RYN	4.1 PDX	3.8 PAS		
1975		27	23:38: 6.53					10	35.835	117.760		B		0.04		PAS					2.4 PAS							
1975	MAR	4	6:18:23.23					9	35.842	116.751		C		8.00*		PAS	4	BRP	3.6 BRP		3.6 PAS							
1975		4	18:25:42.70				0.09	8	38.462	116.189						RYN							2.8 RYN					
1975		21	9:33:25.40				0.08	6	38.202	117.807		D		0.74		RYN							1.6 RYN					
1975		26	4:29:53.52					15	36.237	115.764		C		11.40		PAS					3.6 PAS							

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER							INTENSITY		MAGNITUDE															
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1975	MAR 26	4:30:54.70						36.100	115.700							4	BRP	3.4	BRP				3.4	RYN				
1975	MAR 28	21:0:9.66					11	36.130	117.852				8.00*							3.0	PAS							
1975	APR 5	10:11:34.30				0.11	16	38.281	117.926		B		9.23										2.7	RYN				
1975	APR 6	8:53:18.40				0.15	17	38.284	117.914		C		9.44										2.0	RYN				
1975	APR 13	18:30:25.20				0.51	6	38.479	116.180														2.9	RYN				
1975	APR 18	17:46:57.55					6	36.118	117.802		C		6.64							2.5	PAS							
1975	MAY 4	0:14:18.25					12	36.201	117.927		B		4.23							2.8	PAS							
1975	MAY 6	19:36:52.60				0.12	14	38.112	117.446		D		2.47							3.3	PAS		2.3	RYN				
1975	MAY 15	12:2:20.93			SIZ		8	37.238	116.328		B		11.50															
1975	MAY 19	6:36:6.20				0.08	11	37.715	117.804		D		1.60										2.3	RYN				
1975	JUN 11	0:14:42.60					19	35.678	117.565		B		8.39							2.9	PAS							
1975	JUN 14	16:54:29.54					9	36.128	117.835		B		6.05							2.2	PAS							
1975	JUN 20	2:22:29.67					7	37.826	115.446		C		1.92															
1975	JUN 22	15:19:54.29					4	37.245	115.859		D		8.00*							4.2	PAS							
1975	JUN 26	22:32:45.99			SIZ		14	37.145	116.284		B		2.56							3.7	PAS							
1975	JUN 27	4:56:34.20					10	37.436	116.149		D		12.80							3.3	PAS							
1975	JUN 27	7:26:45.06			SIZ		15	37.161	116.322		B		0.46			5	BRP								4.6	PDX		
1975	JUN 27	11:46:52.01			SIZ		13	37.158	116.316		B		8.00*							3.9	PAS							
1975	JUN 28	0:18:56.28			SIZ		8	37.148	116.242		B		2.61							4.0	PAS							
1975	JUN 28	9:47:34.57			SIZ		11	37.171	116.290		C		0.42			5	BRP											
1975	JUN 29	0:21:0.08			SIZ		6	37.161	116.235		C		1.22							3.8	PAS					4.4	PDX	
1975	JUN 30	9:12:6.17			SIZ		9	37.221	116.172		C		8.00*							3.5	PAS							
1975	JUL 1	4:50:31.13					11	37.325	116.135		C		12.00*			5	BRP			4.1	PAS					4.5	PDX	
1975	JUL 1	17:10:45.66			SIZ		9	37.201	116.369		C		8.00*							3.6	PAS							
1975	JUL 1	18:14:8.14					9	37.336	116.178		C		13.50			6	BRP			4.5	PAS					4.7	PDX	
1975	JUL 4	4:13:40.10				0.37	9	37.614	116.994				5.00*															
1975	JUL 5	5:5:52.60			SIZ		7	38.129	116.780																			
1975	JUL 7	18:27:12.10				0.22		37.150	116.100																			
1975	JUL 10	7:5:46.70				0.12	22	38.303	117.842		D		4.87															
1975	JUL 15	18:23:44.50					9	38.472	117.858		C		7.60															
1975	JUL 27	11:46:54.00				0.21	5	37.120	117.894							3	BRP	2.7	BRP	3.3	BRK		3.2	RYN				2.7 PAS
1975	JUL 27	11:48:37.90					6	37.200	118.000											3.3	BRK							
1975	JUL 27	12:48:37.18					13	37.113	117.905		B		3.29			3	BRP	2.9	BRP	2.9	PAS							
1975	JUL 28	11:53:8.05					6	37.397	117.969		C		8.00*															
1975	AUG 17	6:44:34.90				0.05	4	37.602	117.119											2.9	PAS							
1975	AUG 17	16:34:39.29					8	36.112	117.783		B		4.22							2.2	PAS							
1975	AUG 19	18:6:5.61					8	36.212	117.865		B		6.74							2.6	PAS							
1975	AUG 20	4:37:38.50					4	36.154	117.137				3.00*															
1975	AUG 23	19:28:9.00				0.15	20	37.597	117.951		D		0.85															
1975	AUG 25	2:27:16.00				0.18	30	37.749	117.790		D		1.97										2.5	RYN				
1975	AUG 30	21:11:59.51			SIZ		6	37.280	116.211		D		8.00*							3.0	PAS							
1975	SEP 1	19:8:46.04					7	35.971	117.757		C		5.16							2.4	PAS							
1975	SEP 3	4:6:11.53					6	35.954	117.753		C		9.49							2.3	PAS							
1975	SEP 3	4:7:1.25					6	35.859	117.792		C		8.00*							2.3	PAS							
1975	SEP 3	4:45:49.52					8	35.965	117.769		C		3.46							2.5	PAS							
1975	SEP 22	13:23:10.90				0.05	8	38.495	117.837		C		5.18															
1975	SEP 26	1:36:19.77					7	35.808	117.730		C		4.33							2.0	PAS							
1975	SEP 28	21:20:2.72					8	36.136	117.977		B		3.05							2.5	PAS							

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER					INTENSITY		MAGNITUDE																
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF	
1975	SEP 28	21:36:53.00					9	36.134	117.826		B		5.68		PAS					2.6	PAS							
1975	OCT 8	22: 8: 9.81					5	35.783	117.582		B		0.48		PAS						1.8	PAS						
1975	10	17:39: 7.01					11	35.856	117.588		C		8.00*		PAS						2.4	PAS						
1975	14	11:32:28.70			0.23	18	38.234	117.880		C			8.35		RYN							2.3	RYN					
1975	15	17:22:13.87					5	35.826	117.585		B		5.51		PAS						2.1	PAS						
1975	15	18:58:30.18					5	35.805	117.577		B		3.56		PAS						2.2	PAS						
1975	16	19:55:42.68					7	35.782	117.594		A		1.46		PAS						2.2	PAS						
1975	19	6: 4:45.30			0.30	8	38.195	116.758							RYN							2.9	RYN					3.5
1975	19	6: 8:55.10			0.08	6	38.075	116.649		D			0.56		RYN							3.0	RYN					
1975	23	23:15: 5.41				4	35.831	117.724		D			1.97		PAS						1.7	PAS						
1975	24	3: 2: 9.90			0.09	10	38.160	117.866		C			9.96		RYN							1.9	RYN					
1975	24	22:15:45.70			0.05	7	38.281	117.871		C					RYN							1.4	RYN					
1975	28	15:16:58.02			SIZ	0.09	10	37.292	116.414		0.7	B	134	12.17		ROW						3.6	ROW					
1975	28	15:41:34.00				0.04	4	37.115	116.398						RYN							4.0	RYN					
1975	28	16: 4:54.42			SIZ	0.07	8	37.287	116.418		0.5	C	131	4.76		ROW						3.1	ROW					
1975	28	16: 9:11.21			SIZ	0.13	12	37.311	116.408		0.7	C	83	5.33		ROW						2.8	ROW					
1975	28	16:10:10.02			SIZ	0.13	10	37.280	116.411		0.8	B	122	7.88		ROW*						3.3	ROW					
1975	28	16:55: 0.00			SIZ			37.290	116.411				0.00*									3.1	ROW					
1975	28	16:57: 0.00			SIZ			37.290	116.411				0.00*		ROW*								3.3	ROW				
1975	28	16:57:50.48			SIZ	0.29	10	37.282	116.410		2.1	C	97	0.24		ROW						3.2	ROW					
1975	28	17: 3: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.4	ROW					
1975	28	17:41:55.43			SIZ	0.24	8	37.323	116.392		2.2	B	96	10.53		ROW						3.1	ROW					
1975	28	18:27:24.74			SIZ	0.14	11	37.274	116.416		0.8	C	119	5.07		ROW						3.1	ROW					
1975	28	19:30: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.4	ROW					
1975	28	19:36:35.24			SIZ	0.07	11	37.281	116.437		0.4	B	80	5.13		ROW						3.2	ROW					
1975	28	20: 3: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.0	ROW					
1975	28	20:11:43.01			SIZ	0.09	12	37.280	116.418		0.5	B	86	9.24		ROW						2.9	ROW					
1975	28	20:48:12.48			SIZ	0.18	11	37.278	116.420		1.1	B	88	10.91		ROW						3.1	ROW					
1975	28	20:58: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.1	ROW					
1975	28	21:22: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.3	ROW					
1975	28	21:55:26.17			SIZ	0.08	8	37.280	116.431		0.8	C	120	3.54		ROW						3.3	ROW					
1975	28	22: 9: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.0	ROW					
1975	28	22:46: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.0	ROW					
1975	28	22:48:51.76			SIZ	0.09	12	37.290	116.412		0.5	B	77	4.38		ROW						3.1	ROW					
1975	28	22:50:43.25			SIZ	0.27	12	37.286	116.413		1.2	C	75	0.67		ROW						3.3	ROW					
1975	28	23: 9: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.1	ROW					
1975	28	23:10:55.50			SIZ	0.32	11	37.286	116.375		2.1	C	95	11.43		ROW						3.0	ROW					
1975	29	0: 1: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.0	ROW					
1975	29	4:45: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.0	ROW					
1975	29	4:49:44.35			SIZ	0.17	13	37.284	116.421		0.8	B	77	7.34		ROW						2.7	ROW					
1975	29	4:56: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.0	ROW					
1975	29	5: 2: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.0	ROW					
1975	29	5:33: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.0	ROW					
1975	29	5:37: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.1	ROW					
1975	29	6: 3: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.4	ROW					
1975	29	7:23:5.90			SIZ	0.15	12	37.292	116.412		0.7	C	77	5.23		ROW						3.1	ROW					
1975	29	7:24:19.07			SIZ	0.18	12	37.288	116.428		1.0	B	84	10.31		ROW						2.7	ROW					
1975	29	7:31: 0.00			SIZ			37.290	116.411				0.00*		ROW*							3.0	ROW					

SSB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY		MAGNITUDE															
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1975	OCT	29	7:31	30	47	SIZ	0.15	12	37.277	116.419	1.0	B	98	6.59	—	ROW	—	—	—	—	—	—	2.9	ROW	—	—	—	—
1975		29	7:40	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.3	ROW	—	—	—	—	
1975		29	7:50	46	85	SIZ	0.11	12	37.300	116.431	0.6	A	85	10.02	—	ROW	—	—	—	—	—	3.0	ROW	—	—	—	—	
1975		29	8:18	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.0	ROW	—	—	—	—	
1975		29	9:22	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.0	ROW	—	—	—	—	
1975		29	9:40	35	04	SIZ	0.15	13	37.270	116.449	0.7	A	79	8.08	—	ROW	—	—	—	—	—	2.7	ROW	—	—	—	—	
1975		29	10:12	56	96	SIZ	0.20	12	37.298	116.416	1.0	B	80	5.60	—	ROW	—	—	—	—	—	2.8	ROW	—	—	—	—	
1975		29	10:56	30	47	SIZ	0.11	13	37.273	116.450	0.5	B	80	6.77	—	ROW	—	—	—	—	—	3.0	ROW	—	—	—	—	
1975		29	12:16	55	82	SIZ	0.16	12	37.296	116.429	0.9	B	83	11.29	—	ROW	—	—	—	—	—	2.6	ROW	—	—	—	—	
1975		29	15:10	45	96	SIZ	0.05	6	37.288	116.422	0.8	B	132	17.67	—	ROW	—	—	—	—	—	2.6	ROW	—	—	—	—	
1975		29	17: 9	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.0	ROW	—	—	—	—	
1975		29	21:19	37	50	SIZ	0.17	13	37.285	116.425	0.8	B	78	6.11	—	ROW	—	—	—	—	—	2.7	ROW	—	—	—	—	
1975		29	23:24	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.1	ROW	—	—	—	—	
1975		30	2:36	4	46	SIZ	—	4	37.300	117.529	—	D	—	20.50	—	PAS	—	—	—	—	2.4	PAS	—	—	—	—	—	
1975		30	3:56	8	72	SIZ	0.15	13	37.274	116.413	0.7	B	72	6.08	—	ROW	—	—	—	—	—	2.6	ROW	—	—	—	—	
1975		30	4:34	12	02	SIZ	0.12	8	37.280	116.420	0.9	C	136	6.67	—	ROW	—	—	—	—	—	2.8	ROW	—	—	—	—	
1975		30	5: 3	20	21	SIZ	0.27	10	37.277	116.417	1.6	B	88	11.02	—	ROW	—	—	—	—	—	2.8	ROW	—	—	—	—	
1975		30	5:17	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.1	ROW	—	—	—	—	
1975		30	7:15	59	86	SIZ	0.16	10	37.299	116.428	1.0	B	84	8.90	—	ROW	—	—	—	—	—	3.2	ROW	—	—	—	—	
1975		30	7:42	11	48	SIZ	0.09	11	37.276	116.418	0.5	B	89	9.16	—	ROW	—	—	—	—	—	3.0	ROW	—	—	—	—	
1975		30	15:39	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.3	ROW	—	—	—	—	
1975		30	17:37	8	69	SIZ	0.32	8	37.326	116.417	1.9	C	93	0.61	—	ROW	—	—	—	—	—	2.5	ROW	—	—	—	—	
1975		30	17:43	7	91	SIZ	0.21	9	37.308	116.411	—	B	83	12.52	—	ROW	—	—	—	—	3.0	PAS	3.4	ROW	—	—	—	
1975		30	18:10	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.2	ROW	—	—	—	—	
1975		30	18:10	59	74	SIZ	0.07	9	37.314	116.426	0.4	B	90	6.17	—	ROW	—	—	—	—	—	2.8	ROW	—	—	—	—	
1975		31	0:52	18	42	SIZ	0.31	6	37.302	116.456	4.5	C	159	0.59	—	ROW	—	—	—	—	—	2.8	ROW	—	—	—	—	
1975		31	5:13	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.0	ROW	—	—	—	—	
1975		31	6:22	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.0	ROW	—	—	—	—	
1975		31	8:20	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.5	ROW	—	—	—	—	
1975		31	8:48	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.0	ROW	—	—	—	—	
1975		31	18: 9	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.2	ROW	—	—	—	—	
1975		31	19:52	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.1	ROW	—	—	—	—	
1975		31	20:52	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.1	ROW	—	—	—	—	
1975		31	20:56	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.2	ROW	—	—	—	—	
1975		31	23:29	52	93	SIZ	0.12	7	37.282	116.422	1.0	B	127	7.57	—	ROW	—	—	—	—	—	2.2	ROW	—	—	—	—	
1975		31	23:35	4	50	SIZ	0.14	10	37.292	116.414	0.9	B	133	6.69	—	ROW	—	—	—	—	—	2.8	ROW	—	—	—	—	
1975	NOV	1	2:52	34	37	SIZ	0.18	11	37.280	116.421	1.0	B	87	8.23	—	ROW	—	—	—	—	—	3.2	ROW	—	—	—	—	
1975		1	3:42	14	50	SIZ	0.10	6	37.282	116.420	1.3	B	126	10.80	—	ROW	—	—	—	—	—	2.9	ROW	—	—	—	—	
1975		1	4:39	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.1	ROW	—	—	—	—	
1975		1	6:44	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.0	ROW	—	—	—	—	
1975		1	14:37	13	48	SIZ	0.34	9	37.313	116.397	2.3	B	81	11.83	—	ROW	—	—	—	—	—	3.2	ROW	—	—	—	—	
1975		2	9:38	44	07	SIZ	0.13	7	37.281	116.397	1.0	B	119	2.53	—	ROW	—	—	—	—	—	2.9	ROW	—	—	—	—	
1975		2	12:41	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.2	ROW	—	—	—	—	
1975		2	14:16	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.1	ROW	—	—	—	—	
1975		2	14:53	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.3	ROW	—	—	—	—	
1975		2	16:37	48	21	SIZ	0.13	9	37.293	116.417	0.9	B	121	6.94	—	ROW	—	—	—	—	—	2.9	ROW	—	—	—	—	
1975		2	16:56	0	00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	—	—	3.0	ROW	—	—	—	—	
1975		2	17:17	22	38	SIZ	0.25	9	37.288	116.411	1.6	C	121	2.71	—	ROW	—	—	—	—	—	2.6	ROW	—	—	—	—	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1975 NOV	2	18:51:	0.00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	3.7	ROW	—	—	—	—
1975	2	20:2:	0.00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	3.3	ROW	—	—	—	—
1975	2	20:33:	0.00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	3.0	ROW	—	—	—	—
1975	2	21:1:	36.69	SIZ	0.40	10	37.283	116.409	2.9	C	121	2.15	—	ROW	—	—	—	3.2	ROW	—	—	—	—
1975	2	21:28:	0.00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	3.3	ROW	—	—	—	—
1975	2	21:41:	0.00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	3.3	ROW	—	—	—	—
1975	2	23:21:	0.00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	3.5	ROW	—	—	—	—
1975	2	23:24:	0.00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	3.0	ROW	—	—	—	—
1975	2	23:34:	47.09	SIZ	0.13	12	37.291	116.406	0.7	B	122	4.16	—	ROW	—	—	—	3.8	ROW	—	—	—	—
1975	3	2:19:	47.00	CPDX	—	30	37.290	116.411	—	—	—	—	—	PDX	—	—	4.7	PDX	—	4.5	PDX	—	—
1975	3	2:20:	0.00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	4.9	ROW	—	—	—	—
1975	3	6:39:	46.77	SIZ	0.13	10	37.297	116.344	0.9	B	141	7.85	—	ROW	—	—	—	2.5	ROW	—	—	—	—
1975	3	17:20:	35.20	SIZ	0.17	10	37.315	116.414	1.3	C	142	9.23	—	ROW	—	—	—	3.0	ROW	—	—	—	—
1975	4	9:36:	30.19	SIZ	0.09	10	37.281	116.424	0.7	B	129	12.11	—	ROW	—	—	—	2.8	ROW	—	—	—	—
1975	4	11:34:	18.97	SIZ	0.10	10	37.288	116.420	0.7	B	132	9.50	—	ROW	—	—	—	2.8	ROW	—	—	—	—
1975	4	18:12:	0.00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	3.0	ROW	—	—	—	—
1975	6	12:53:	49.71	SIZ	0.11	9	37.275	116.581	1.1	C	172	1.60	—	ROW	—	—	—	2.5	ROW	—	—	—	—
1975	8	3:45:	57.33	SIZ	0.16	8	37.088	116.034	2.1	C	212	0.34	—	ROW	—	—	—	2.8	ROW	—	—	—	—
1975	9	4:52:	11.11	SIZ	0.08	8	37.301	116.427	0.7	B	136	11.59	—	ROW	—	—	—	2.7	ROW	—	—	—	—
1975	9	7:24:	9.93	SIZ	0.10	8	37.302	116.423	0.8	B	137	9.88	—	ROW	—	—	—	2.4	ROW	—	—	—	—
1975	10	7:31:	40.97	SIZ	0.08	6	37.302	116.414	0.9	C	137	4.86	—	ROW	—	—	—	2.5	ROW	—	—	—	—
1975	14	18:49:	51.31	SIZ	0.09	8	37.299	116.434	0.8	B	135	13.10	—	ROW	—	—	—	3.2	ROW	—	—	—	—
1975	14	18:57:	35.33	SIZ	0.12	7	37.320	116.422	1.3	C	143	7.69	—	ROW	—	—	—	2.5	ROW	—	—	—	—
1975	16	12:38:	0.00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	3.0	ROW	—	—	—	—
1975	18	15:30:	0.30	SIZ	—	—	36.990	116.030	—	X	—	5.00*	—	BRP	5	BRP	3.8	PDX	—	4.4	PDX	—	—
1975	18	16:23:	0.00	SIZ	—	—	37.290	116.411	—	—	—	0.00*	—	ROW*	—	—	—	3.9	ROW	—	—	—	—
1975	20	10:59:	19.90	SIZ	0.11	9	37.288	116.437	0.7	B	85	8.12	—	ROW	—	—	—	2.5	ROW	—	—	—	—
1975	20	16:22:	0.00	SIZ	—	—	37.225	116.368	—	—	—	0.00*	—	ROW*	—	—	—	3.4	ROW	—	—	—	—
1975	20	17:47:	52.94	SIZ	0.24	10	37.233	116.357	1.3	B	85	3.04	—	ROW	—	—	—	3.1	ROW	—	—	—	—
1975	20	17:49:	0.00	SIZ	—	—	37.225	116.368	—	—	—	0.00*	—	ROW*	—	—	—	3.5	ROW	—	—	—	—
1975	20	18:42:	0.00	SIZ	—	—	37.225	116.368	—	—	—	0.00*	—	ROW*	—	—	—	3.3	ROW	—	—	—	—
1975	20	19:44:	3.05	SIZ	0.14	11	37.223	116.353	0.8	A	85	2.97	—	ROW	—	—	—	3.4	ROW	—	—	—	—
1975	20	20:17:	0.00	SIZ	—	—	37.225	116.368	—	—	—	0.00*	—	ROW*	—	—	—	3.4	ROW	—	—	—	—
1975	20	20:38:	38.46	SIZ	0.22	11	37.231	116.358	1.2	B	64	8.16	—	ROW	—	—	—	3.8	ROW	—	—	—	—
1975	20	21:3:	0.00	SIZ	—	—	37.225	116.368	—	—	—	0.00*	—	ROW*	—	—	—	3.1	ROW	—	—	—	—
1975	20	21:16:	0.00	SIZ	—	—	37.225	116.368	—	—	—	0.00*	—	ROW*	—	—	—	3.4	ROW	—	—	—	—
1975	20	21:33:	0.00	SIZ	—	—	37.225	116.368	—	—	—	0.00*	—	ROW*	—	—	—	3.3	ROW	—	—	—	—
1975	20	21:44:	0.00	SIZ	—	—	37.225	116.368	—	—	—	0.00*	—	ROW*	—	—	—	3.5	ROW	—	—	—	—
1975	20	22:10:	0.00	SIZ	—	—	37.225	116.368	—	—	—	0.00*	—	ROW*	—	—	—	3.6	ROW	—	—	—	—
1975	20	22:18:	0.00	SIZ	—	—	37.225	116.368	—	—	—	0.00*	—	ROW*	—	—	—	4.2	ROW	—	—	—	—
1975	20	23:11:	1.38	SIZ	0.26	9	37.235	116.376	1.7	C	111	5.65	—	ROW	—	—	—	—	—	—	—	—	—
1975	20	23:14:	0.00	SIZ	—	—	37.225	116.368	—	—	—	0.00*	—	ROW*	—	—	—	4.3	ROW	—	—	—	—
1975	21	4:1:	8.86	SIZ	0.23	11	37.215	116.375	1.2	B	72	3.85	—	ROW	—	—	—	2.9	ROW	—	—	—	—
1975	21	15:7:	16.33	SIZ	0.10	11	37.223	116.351	0.5	A	66	4.97	—	ROW	—	—	—	3.5	ROW	—	—	—	—
1975	21	15:22:	20.14	SIZ	0.17	12	37.230	116.344	0.8	B	63	5.55	—	ROW	—	—	—	3.5	ROW	—	—	—	—
1975	23	7:28:	1.07	SIZ	0.12	12	37.310	116.420	0.7	A	86	11.12	—	ROW	—	—	—	2.9	ROW	—	—	—	—
1975	23	23:21:	15.23	SIZ	0.17	9	37.225	116.378	0.9	B	95	1.93	—	ROW	—	—	—	2.6	ROW	—	—	—	—
1975	23	23:49:	27.20	SIZ	0.11	11	37.229	116.347	0.6	A	82	5.09	—	ROW	—	—	—	2.7	ROW	—	—	—	—

SGS HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE											
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	MD	REF	mb	REF	OTH	REF
1975 NOV 25	1:37:18.90					4	37.949	116.330																
1975 NOV 26	16:35:0.00			SIZ	0.06		37.117	116.019				0.00*								2.0 RYN				
1975 DEC 2	2:15:47.03			SIZ	0.09	8	37.214	116.336	0.6	B	107	4.91								4.0 ROW				
1975 DEC 8	6:13:92.18			SIZ	0.11	9	37.233	116.352	0.7	A	83	3.89								3.1 ROW				
1975 DEC 12	23:31:43.18					8	35.992	117.749		B		4.28							2.5 PAS					
1975 DEC 12	23:36:3.90					9	35.978	117.772				5.05							2.4 PAS					
1975 DEC 13	0:38:43.98					8	35.986	117.755		B		7.37							2.6 PAS					
1975 DEC 13	4:17:19.13					8	35.979	117.760				8.00*							2.6 PAS					
1975 DEC 13	5:24:36.41					11	36.011	117.620		B		6.10							2.6 PAS					
1975 DEC 13	6:20:3.33					8	36.014	117.762		B		10.80							2.2 PAS					
1975 DEC 15	21:49:0.00			SIZ			37.117	116.019				0.00*								3.0 ROW				
1975 DEC 16	14:18:19.80			SIZ	0.19	11	37.225	116.365	0.9	B	89	5.24								3.0 ROW				
1975 DEC 19	5:2:0.40						36.000	117.617							4	BRP	3.9 BRP	3.9 PAS	4.2 RYN					
1975 DEC 20	5:9:3.15					8	36.005	117.571		C		5.87						2.5 PAS						
1975 DEC 20	6:54:58.38					8	36.000	117.590		C		5.87						2.8 PAS						
1975 DEC 20	11:23:43.52					8	36.000	117.634		C		3.48						2.4 PAS						
1975 DEC 22	3:55:5.60					11	35.998	117.606		B		6.24						2.7 PAS						
1975 DEC 22	6:54:58.40						36.000	117.580				6.00*						2.8 ISC						
1975 DEC 23	10:31:18.74			SIZ	0.14	9	37.212	116.371	0.8	B	94	2.85								2.6 ROW				
1975 DEC 28	18:13:28.39			SIZ		7	35.818	117.612		C		12.80						2.1 PAS						
1976 JAN 3	20:17:6.38			SIZ	0.12	7	37.311	116.314	1.0	C	126	1.05								3.3 ROW				
1976 JAN 3	20:40:31.29			SIZ	0.06	8	37.292	116.349	0.4	B	118	8.96								3.3 ROW				
1976 JAN 3	21:0:38.39			SIZ	0.15	9	37.319	116.333	0.9	C	93	4.98								3.5 ROW				
1976 JAN 3	22:3:0.00			SIZ			37.297	116.333				0.00*								3.0 ROW				
1976 JAN 3	22:10:0.00			SIZ			37.297	116.333				0.00*								3.4 ROW				
1976 JAN 3	22:20:25.00			CPDX		10	37.297	116.333										3.6 PDX						
1976 JAN 3	23:8:0.00			SIZ			37.297	116.333				0.00*								3.0 ROW				
1976 JAN 3	23:21:0.00			SIZ			37.297	116.333				0.00*								3.0 ROW				
1976 JAN 3	23:24:54.24			SIZ	0.12	6	37.301	116.315	1.1	C	109	4.79								3.2 ROW				
1976 JAN 3	23:31:16.11			SIZ	0.10	8	37.308	116.288	0.8	B	134	6.38								3.0 ROW				
1976 JAN 3	23:39:45.85			SIZ	0.01	5	37.310	116.294	0.1	C	135	7.86								2.7 ROW				
1976 JAN 3	23:41:40.80			SIZ	0.07	7	37.319	116.324	1.0	C	214	10.37								2.3 ROW				
1976 JAN 3	23:53:0.00			SIZ			37.297	116.333				0.00*								3.1 ROW				
1976 JAN 3	23:55:7.06			SIZ	0.05	7	37.297	116.326	0.4	B	98	8.23								3.2 ROW				
1976 JAN 4	0:5:19.88			SIZ	0.15	10	37.341	116.321	1.8	B	123	11.85								4.0 ROW				
1976 JAN 4	0:9:42.83			SIZ	0.15	8	37.296	116.291	1.1	B	98	6.17								3.2 ROW				
1976 JAN 4	0:19:2.26			SIZ	0.16	6	37.314	116.322	1.5	B	83	7.36								3.0 ROW				
1976 JAN 4	0:22:0.00			SIZ			37.297	116.333				0.00*								3.0 ROW				
1976 JAN 4	1:15:39.53			SIZ	0.07	8	37.298	116.316	0.5	B	106	4.30								3.2 ROW				
1976 JAN 4	1:18:18.78			SIZ	0.14	12	37.329	116.330		A	78	8.29			5	BRP	4.5 BRP			4.0 ROW		4.1 PDX		
1976 JAN 4	1:22:24.83			SIZ	0.04	6	37.335	116.323	1.0	B	120	6.49								2.7 ROW				
1976 JAN 4	2:0:4.25			SIZ	0.10	9	37.335	116.324	0.8	B	118	8.31								2.9 ROW				
1976 JAN 4	2:29:1.87			SIZ	0.13	8	37.295	116.313	0.8	B	87	3.66								2.8 ROW				
1976 JAN 4	2:33:23.69			SIZ	0.16	7	37.313	116.312	1.7	B	119	4.50								3.1 ROW				
1976 JAN 4	3:16:51.84			SIZ	0.10	6	37.306	116.313	1.0	B	112	4.10								2.9 ROW				
1976 JAN 4	3:23:24.70			CPDX		7	37.297	116.333																
1976 JAN 4	6:48:43.51			SIZ	0.12	11	37.297	116.320	0.6	B	83	3.60								3.1 ROW				
1976 JAN 4	6:58:50.43			SIZ	0.11	9	37.327	116.313	0.8	B	126	8.58								3.5 ROW				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME			HYPOCENTER				INTENSITY		MAGNITUDE										
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF		MS REF	ML REF	MD REF	mb REF	OTH REF
1976	JAN	4	8	5: 4.57	SIZ	0.14	9	37.318	116.312	0.8 B	91	7.14	—	—	ROW	—	—	—	3.0 ROW	—	—
1976		4	8	48:44.70	SIZ	0.04	8	37.294	116.322	0.2 B	82	2.89	—	—	ROW	—	—	—	3.2 ROW	—	—
1976		4	9	22:23.39	SIZ	0.26	9	37.304	116.343	1.6 C	71	7.25	—	—	ROW*	—	—	—	3.2 ROW	—	—
1976		4	10	47: 0.00	SIZ	—	—	37.297	116.333	—	—	0.00*	—	—	ROW	—	—	—	3.0 ROW	—	—
1976		4	11	14:37.90	SIZ	0.04	6	37.309	116.339	0.5 B	117	13.03	—	—	ROW	—	—	—	3.1 ROW	—	—
1976		4	11	29:40.27	SIZ	0.12	8	37.303	116.325	1.1 C	179	8.55	—	—	—	—	—	—	3.1 ROW	—	—
1976		4	12	44: 3.94	SIZ	0.14	11	37.295	116.350	0.8 A	68	10.20	—	—	ROW	—	—	—	3.5 ROW	—	—
1976		4	12	47:24.32	SIZ	0.09	7	37.303	116.295	0.8 B	130	3.86	—	—	ROW	—	—	—	3.5 ROW	—	—
1976		4	14	12:34.95	SIZ	0.15	10	37.301	116.297	0.8 B	96	6.69	—	—	ROW	—	—	—	3.3 ROW	—	—
1976		4	14	51:59.61	SIZ	0.12	9	37.313	116.298	0.8 B	98	4.45	—	—	ROW	—	—	—	3.4 ROW	—	—
1976		4	15	29: 0.00	SIZ	—	—	37.297	116.333	—	—	0.00*	—	—	ROW*	—	—	—	3.0 ROW	—	—
1976		4	16	16: 9.00	CPDX	—	14	37.297	116.333	—	—	—	—	—	PDX	—	—	4.2 PDX	—	4.2 PDX	—
1976		4	16	27: 6.71	SIZ	0.18	11	37.304	116.326	0.9 B	80	2.73	—	—	ROW	—	—	—	3.0 ROW	—	—
1976		4	16	56:30.51	SIZ	0.12	11	37.331	116.326	0.7 A	81	9.02	—	—	ROW	—	—	—	3.7 ROW	—	—
1976		4	17	39:28.17	SIZ	0.02	6	37.301	116.341	0.2 B	117	9.91	—	—	ROW	—	—	—	3.1 ROW	—	—
1976		4	18	22: 0.00	SIZ	—	—	37.297	116.333	—	—	0.00*	—	—	ROW*	—	—	—	3.2 ROW	—	—
1976		4	18	48: 4.91	SIZ	0.08	6	37.323	116.309	1.0 B	128	7.59	—	—	ROW	—	—	—	3.4 ROW	—	—
1976		4	19	13:50.63	SIZ	0.05	9	37.333	116.327	0.3 A	80	9.84	—	—	ROW	—	—	—	2.7 ROW	—	—
1976		4	20	33:24.88	SIZ	0.06	9	37.299	116.319	0.4 B	105	4.16	—	—	ROW	—	—	—	3.1 ROW	—	—
1976		5	0	35:33.83	SIZ	0.13	7	37.321	116.313	1.0 C	90	4.98	—	—	ROW	—	—	—	3.0 ROW	—	—
1976		5	3	39: 3.21	SIZ	0.14	11	37.316	116.313	0.8 B	89	7.19	—	—	ROW	—	—	—	2.9 ROW	—	—
1976		5	12	18:17.07	SIZ	0.11	9	37.289	116.329	0.7 B	93	11.81	—	—	ROW	—	—	—	3.0 ROW	—	—
1976		5	12	44:55.83	SIZ	0.12	10	37.316	116.310	0.6 B	92	4.33	—	—	ROW	—	—	—	2.9 ROW	—	—
1976		5	14	19:44.12	SIZ	0.23	10	37.322	116.295	1.3 B	103	7.65	—	—	—	—	—	—	3.0 ROW	—	—
1976		5	14	57:43.61	SIZ	0.13	10	37.295	116.313	0.7 C	87	5.29	—	—	ROW	—	—	—	3.5 ROW	—	—
1976		5	18	21: 2.00	SIZ	0.16	10	37.298	116.320	0.8 B	83	4.10	—	—	ROW	—	—	—	3.4 ROW	—	—
1976		5	21	2: 0.00	SIZ	—	—	37.297	116.333	—	—	0.00*	—	—	ROW*	—	—	—	3.6 ROW	—	—
1976		5	21	2:52.96	SIZ	—	8	37.251	116.198	—	C	0.94	—	—	PAS	—	—	3.1 PAS	—	—	—
1976		6	2	53:12.13	SIZ	0.10	8	37.332	116.314	0.6 B	91	3.43	—	—	ROW	—	—	—	2.9 ROW	—	—
1976		6	3	9:20.16	SIZ	0.13	9	37.301	116.339	—	A 73	10.11	—	—	ROW	—	—	—	3.5 ROW	—	—
1976		6	3	14: 0.00	SIZ	—	—	37.297	116.333	—	—	0.00*	—	—	ROW*	—	—	—	3.1 ROW	—	—
1976		6	5	15:14.94	SIZ	0.06	6	37.329	116.315	0.8 B	125	7.91	—	—	ROW	—	—	—	3.2 ROW	—	—
1976		6	12	40:42.71	SIZ	0.10	10	37.275	116.405	0.6 B	86	8.78	—	—	ROW	—	—	—	3.5 ROW	—	—
1976		6	16	55: 0.00	SIZ	—	—	37.297	116.333	—	—	0.00*	—	—	ROW*	—	—	—	3.5 ROW	—	—
1976		7	0	30:41.66	SIZ	0.09	8	37.298	116.323	0.5 B	95	4.21	—	—	ROW	—	—	—	3.5 ROW	—	—
1976		7	1	2: 0.00	SIZ	—	—	37.297	116.333	—	—	0.00*	—	—	ROW*	—	—	—	3.2 ROW	—	—
1976		7	2	33: 5.49	SIZ	0.12	11	37.295	116.312	0.6 B	87	5.81	—	—	ROW	—	—	—	3.4 ROW	—	—
1976		7	6	52:47.19	SIZ	0.14	8	37.294	116.319	0.8 B	84	3.32	—	—	ROW	—	—	—	3.0 ROW	—	—
1976		7	11	43:40.98	SIZ	0.11	9	37.295	116.316	0.6 B	90	4.04	—	—	ROW	—	—	—	3.0 ROW	—	—
1976		7	14	5:13.25	SIZ	0.13	9	37.303	116.305	0.8 B	92	4.45	—	—	ROW	—	—	—	3.0 ROW	—	—
1976		7	17	51:11.05	SIZ	0.09	6	37.298	116.323	0.8 B	95	3.27	—	—	ROW	—	—	—	3.0 ROW	—	—
1976		7	18	4: 0.00	SIZ	—	—	37.297	116.333	—	—	0.00*	—	—	ROW*	—	—	—	3.5 ROW	—	—
1976		7	23	41: 6.94	SIZ	0.02	5	37.300	116.335	0.3 C	144	5.97	—	—	ROW	—	—	—	3.5 ROW	—	—
1976		7	23	24:24.88	SIZ	0.12	7	37.296	116.326	0.9 B	157	3.83	—	—	ROW	—	—	—	3.0 ROW	—	—
1976		8	3	14:12.80	SIZ	0.10	7	37.299	116.332	0.9 C	162	4.72	—	—	ROW	—	—	3.2 PAS	—	—	—
1976		8	8	56: 0.00	SIZ	—	—	37.297	116.333	—	—	0.00*	—	—	ROW*	—	—	—	3.0 ROW	—	—
1976		8	9	5: 0.00	SIZ	—	—	37.297	116.333	—	—	0.00*	—	—	ROW*	—	—	—	3.0 ROW	—	—
1976		8	11	29:34.28	SIZ	0.15	6	37.310	116.306	2.6 C	121	11.14	—	—	ROW	—	—	—	3.4 ROW	—	—

SG8 HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY			MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1976 JAN 8	12:51:	0.00		SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	—	—	—
1976 8	12:51:	45.75		—	—	8	37.415	116.046	—	D	—	8.00*	—	PAS	—	—	3.4	—	3.7	—	—	—	—
1976 8	12:58:	0.00		SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	—	—	—
1976 8	12:58:	48.87		—	—	6	37.382	116.000	—	D	—	16.20	—	PAS	—	—	3.1	—	3.4	—	—	—	—
1976 8	13:0:	0.00		SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	—	—	—
1976 8	13:10:	28.95		SIZ	0.12	7	37.297	116.325	0.8	B	95	3.64	—	ROW	—	—	—	—	3.2	—	—	—	—
1976 8	13:35:	0.00		SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	—	—	—
1976 8	13:35:	29.84		SIZ	—	11	37.290	116.046	—	C	—	8.00*	—	PAS	—	—	3.4	—	3.8	—	—	—	—
1976 8	15:41:	0.00		SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	—	—	—
1976 8	16:1:	0.00		SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	—	3.3	—	—	—	—
1976 8	16:14:	0.00		SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	—	3.1	—	—	—	—
1976 8	16:14:	19.90		SIZ	—	9	37.310	116.360	—	—	—	—	—	BRK	5	4.3	4.6	—	3.8	—	—	—	—
1976 8	20:18:	17.19		SIZ	0.04	6	37.290	116.329	0.4	B	95	6.78	—	ROW	—	—	—	—	—	—	—	—	—
1976 9	11:35:	14.08		SIZ	0.10	7	37.304	116.334	1.3	B	104	13.12	—	ROW	—	—	—	—	2.9	—	—	—	—
1976 9	11:36:	51.68		SIZ	0.05	7	37.304	116.342	0.4	B	108	4.50	—	ROW	—	—	—	—	3.4	—	—	—	—
1976 9	11:45:	11.80		SIZ	0.39	12	37.288	116.353	—	—	—	6.50	—	RYN	—	—	3.2	—	3.1	—	—	—	
1976 9	11:46:	47.90		SIZ	0.17	7	37.247	116.360	—	—	—	17.50	—	RYN	—	—	—	—	2.8	—	—	—	—
1976 10	4:40:	49.35		SIZ	0.11	9	37.292	116.338	0.8	A	89	12.87	—	ROW	—	—	—	—	3.0	—	—	—	—
1976 12	22:59:	51.80		—	0.22	8	38.208	116.968	—	—	—	6.20	—	RYN	—	—	—	—	4.0	—	—	—	—
1976 13	6:47:	36.21		SIZ	0.08	8	37.336	116.326	0.7	B	81	4.72	—	ROW	—	—	—	—	2.7	—	—	—	—
1976 13	14:43:	46.80		SIZ	0.47	9	37.275	116.254	—	—	—	8.30	—	RYN	—	—	3.3	—	3.5	—	—	—	—
1976 13	23:43:	31.50		—	0.28	8	38.212	116.957	—	—	—	—	—	RYN	—	—	—	—	4.0	—	—	—	—
1976 14	6:42:	48.24		SIZ	0.04	8	37.305	116.336	0.4	B	105	10.17	—	ROW	—	—	—	—	2.6	—	—	—	—
1976 14	6:48:	12.32		SIZ	0.08	8	37.301	116.325	0.8	B	102	9.42	—	ROW	—	—	—	—	2.8	—	—	—	—
1976 15	3:17:	10.57		SIZ	0.07	7	37.295	116.330	0.6	B	95	9.90	—	ROW	—	—	—	—	2.9	—	—	—	—
1976 17	9:51:	47.97		SIZ	0.12	7	37.284	116.371	0.8	B	74	3.82	—	ROW	—	—	—	—	3.1	—	—	—	—
1976 17	21:39:	33.05		SIZ	0.27	9	37.259	116.316	—	C	227	0.34	—	ROW	5	4.3	4.3	—	4.0	—	—	—	—
1976 17	22:36:	31.38		SIZ	0.08	11	37.297	116.342	0.6	B	117	10.72	—	ROW	—	—	—	—	3.0	—	—	—	—
1976 18	7:20:	17.13		SIZ	0.14	12	37.298	116.334	—	B	94	14.06	—	ROW	—	—	4.4	—	4.0	—	—	—	—
1976 18	7:51:	45.40		SIZ	0.41	10	37.261	116.336	—	—	—	4.20	—	RYN	—	—	—	—	1.5	—	—	—	—
1976 18	7:52:	0.00		SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	—	3.1	—	—	—	—
1976 18	8:11:	51.05		SIZ	0.22	10	37.306	116.342	1.3	B	92	7.38	—	ROW	—	—	—	—	3.3	—	—	—	—
1976 19	22:20:	0.80		SIZ	0.34	8	38.194	117.010	—	—	—	7.40	—	RYN	—	—	—	—	1.6	—	—	—	—
1976 20	2:43:	58.94		SIZ	0.11	9	37.320	116.334	0.8	B	104	9.62	—	ROW	—	—	3.3	—	3.4	—	—	—	—
1976 20	2:50:	25.20		SIZ	0.15	10	37.318	116.333	1.0	B	104	6.30	—	ROW	—	—	—	—	2.8	—	—	—	—
1976 20	3:18:	15.94		SIZ	0.06	9	37.324	116.330	0.4	B	109	6.52	—	ROW	—	—	—	—	3.0	—	—	—	—
1976 20	3:29:	56.04		SIZ	0.11	10	37.320	116.336	0.7	B	102	8.60	—	ROW	—	—	—	—	3.0	—	—	—	—
1976 20	3:37:	18.71		SIZ	0.15	10	37.331	116.331	1.0	B	110	8.87	—	ROW	—	—	—	—	3.2	—	—	—	—
1976 20	3:43:	32.73		SIZ	0.07	7	37.328	116.334	0.8	B	114	7.91	—	ROW	—	—	3.1	—	3.4	—	—	—	—
1976 20	5:35:	11.32		SIZ	0.08	11	37.289	116.339	0.5	B	92	12.40	—	ROW	—	—	—	—	3.0	—	—	—	—
1976 20	10:37:	28.26		SIZ	0.10	10	37.297	116.339	0.7	B	91	11.62	—	ROW	—	—	—	—	2.8	—	—	—	—
1976 20	10:38:	0.00		SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	—	3.2	—	—	—	—
1976 22	9:57:	14.10		—	0.28	13	38.286	117.747	—	C	—	6.45	—	RYN	—	—	—	—	2.5	—	—	—	—
1976 23	23:30:	0.00		SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	—	3.1	—	—	—	—
1976 23	23:50:	37.69		SIZ	0.19	10	37.299	116.343	1.2	B	90	9.87	—	ROW	—	—	—	—	3.0	—	—	—	—
1976 24	5:3:	47.01		—	—	29	35.639	117.496	—	C	—	6.75	—	PAS	3	3.2	—	—	—	—	—	—	—
1976 24	6:54:	0.00		SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	—	3.1	—	—	—	—
1976 24	6:54:	42.59		SIZ	0.15	10	37.343	116.322	1.1	B	122	9.49	—	ROW	—	—	—	—	3.0	—	—	—	—

SGS HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY			MAGNITUDE										
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	OTH	REF
1976	JAN	24	7:	2:	0.00	SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	3.0	ROW	—	—
1976		24	7:	2:	15.84	SIZ	0.09	10	37.329	116.325	0.5	B	116	4.05	—	ROW	—	—	—	2.7	ROW	—	—
1976		26	3:	26:	11.00	SIZ	0.09	8	37.308	116.335	0.7	B	106	7.58	—	ROW	—	—	—	2.5	ROW	—	—
1976		26	9:	2:	54.63			11	36.120	117.863	—	C	—	5.12	—	PAS	—	—	2.8	PAS	—	—	
1976		28	1:	12:	24.89			9	35.826	117.898	—	C	—	3.76	—	PAS	—	—	2.6	PAS	—	—	
1976		28	4:	52:	54.16			8	35.851	117.894	—	B	—	5.05	—	PAS	3	BRP	3.1	BRP	3.3	PAS	
1976		29	3:	58:	8.62	SIZ	0.08	8	37.335	116.329	0.7	B	116	5.00	—	ROW	—	—	—	3.0	ROW	—	—
1976		29	9:	22:	54.38			7	36.715	116.355	0.8	B	124	3.76	—	ROW	—	—	—	2.2	ROW	—	—
1976		30	12:	54:	42.11			12	36.829	115.775	2.3	C	103	6.35	—	ROW	—	—	—	2.4	ROW	—	—
1976	FEB	1	15:	17:	5.31	SIZ	0.17	12	37.339	116.303	1.0	B	104	8.79	—	ROW	—	—	—	2.9	ROW	—	—
1976		3	0:	14:	27.27	SIZ	0.22	13	37.307	116.344	—	B	92	6.54	—	ROW	5	BRP	4.0	BRP	4.2	BRK	
1976		3	0:	31:	11.15	SIZ	0.09	12	37.303	116.338	0.5	B	94	9.96	—	ROW	—	—	—	3.7	ROW	—	—
1976		3	5:	46:	30.75	SIZ	0.11	12	37.301	116.338	0.6	B	94	11.18	—	ROW	—	—	—	3.0	ROW	—	—
1976		3	11:	13:	2.30	SIZ	0.08	10	37.304	116.338	0.5	B	95	10.58	—	ROW	—	—	—	3.4	ROW	—	—
1976		3	12:	29:	47.31	SIZ	0.22	11	37.305	116.362	1.3	B	80	10.09	—	ROW	—	—	—	2.7	ROW	—	—
1976		3	12:	42:	27.02	SIZ	0.09	11	37.308	116.339	0.6	B	96	10.03	—	ROW	—	—	—	3.0	ROW	—	—
1976		3	20:	53:	41.62	SIZ	0.12	11	37.311	116.337	0.8	B	98	10.34	—	ROW	—	—	—	3.9	ROW	—	—
1976		4	6:	51:	46.82	SIZ	0.17	13	37.304	116.340	0.9	B	73	13.97	—	ROW	4	BRP	3.7	BRP	4.2	BRK	
1976		4	7:	33:	0.00	SIZ	—	—	37.297	116.333	—	—	—	0.00*	—	ROW*	—	—	—	3.0	ROW	—	—
1976		4	19:	43:	0.00	SIZ	—	—	37.107	116.037	—	—	—	0.00*	—	ROW*	—	—	—	3.8	ROW	—	—
1976		4	20:	9:	0.00	SIZ	—	—	37.107	116.037	—	—	—	0.00*	—	ROW*	—	—	—	4.3	ROW	—	—
1976		5	8:	32:	46.40			16	38.263	117.850	—	C	—	2.03	—	RYN	—	—	—	2.5	RYN	—	—
1976		5	22:	43:	14.29	SIZ	0.14	11	37.310	116.333	0.8	A	77	10.45	—	ROW	—	—	—	3.1	ROW	—	—
1976		6	1:	14:	23.89	SIZ	0.11	11	37.299	116.339	—	B	92	12.89	—	ROW	5	BRP	4.2	BRP	4.0	BRK	
1976		6	1:	20:	0.00	SIZ	—	—	37.107	116.037	—	—	—	0.00*	—	ROW*	—	—	—	3.1	ROW	—	—
1976		6	1:	41:	0.00	SIZ	—	—	37.107	116.037	—	—	—	0.00*	—	ROW*	—	—	—	3.8	ROW	—	—
1976		6	1:	41:	12.35	SIZ	—	10	37.230	116.299	—	D	—	1.52	—	PAS	4	BRP	2.5	BRP	3.6	PAS	
1976		7	7:	36:	55.31	SIZ	0.14	10	37.309	116.335	—	B	107	14.52	—	ROW	5	BRP	4.3	BRP	4.8	BRK	
1976		7	15:	3:	20.85	SIZ	0.21	12	37.322	116.283	1.5	B	120	4.76	—	ROW	—	—	—	2.9	ROW	—	—
1976		8	2:	35:	36.93	SIZ	0.17	9	37.313	116.336	1.5	B	109	8.55	—	ROW	—	—	—	2.7	ROW	—	—
1976		8	2:	50:	48.09	SIZ	0.13	10	37.289	116.344	0.9	B	102	8.15	—	ROW	—	—	—	2.5	ROW	—	—
1976		8	4:	17:	53.33	SIZ	0.16	10	37.311	116.336	1.2	B	108	7.69	—	ROW	—	—	—	2.8	ROW	—	—
1976		8	8:	51:	49.10	SIZ	0.10	9	37.305	116.338	0.9	B	106	10.62	—	ROW	—	—	—	3.0	ROW	—	—
1976		8	14:	34:	28.70	SIZ	0.06	9	37.294	116.345	0.6	B	106	12.17	—	ROW	—	—	—	2.9	ROW	—	—
1976		10	1:	7:	12.55	SIZ	0.13	9	37.344	116.313	1.0	B	96	4.50	—	ROW	—	—	—	2.8	ROW	—	—
1976		11	1:	29:	25.10	SIZ	0.11	10	37.306	116.341	0.8	B	93	12.97	—	ROW	—	—	—	3.2	ROW	—	—
1976		11	1:	32:	38.29	SIZ	0.10	9	37.299	116.353	0.9	B	144	10.60	—	ROW	—	—	—	3.3	ROW	—	—
1976		12	16:	23:	0.00	SIZ	—	—	37.271	116.488	—	—	—	0.00*	—	ROW*	—	—	—	3.7	ROW	—	—
1976		12	16:	33:	0.00	SIZ	—	—	37.271	116.488	—	—	—	0.00*	—	ROW*	—	—	—	3.6	ROW	—	—
1976		12	16:	52:	24.64	SIZ	0.13	9	37.280	116.483	1.2	B	102	12.56	—	ROW	—	—	—	4.2	ROW	—	—
1976		12	17:	6:	0.00	SIZ	—	—	37.271	116.488	—	—	—	0.00*	—	ROW*	—	—	—	3.1	ROW	—	—
1976		12	17:	14:	0.00	SIZ	—	—	37.271	116.488	—	—	—	0.00*	—	ROW*	—	—	—	3.6	ROW	—	—
1976		12	17:	19:	36.30	SIZ	0.32	9	37.295	116.487	2.7	C	102	9.87	—	ROW	—	—	—	3.4	ROW	—	—
1976		12	17:	37:	29.00	CPDX	—	17	37.271	116.488	—	—	—	—	—	PDX	—	—	—	4.3	PDX	—	4.8
1976		12	17:	44:	0.00	SIZ	—	—	37.271	116.488	—	—	—	0.00*	—	ROW*	—	—	—	3.6	ROW	—	—
1976		12	17:	47:	0.00	SIZ	—	—	37.271	116.488	—	—	—	0.00*	—	ROW*	—	—	—	3.1	ROW	—	—
1976		12	17:	52:	0.00	SIZ	—	—	37.271	116.488	—	—	—	0.00*	—	ROW*	—	—	—	3.2	ROW	—	—
1976		12	18:	18:	42.12	SIZ	0.22	12	37.251	116.490	1.2	B	90	3.72	—	ROW	—	—	—	2.6	ROW	—	—

SGS HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER					INTENSITY			MAGNITUDE												
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	REF	mb	REF	OTH	REF
1976 FEB 12	18:23	18.04		SIZ	0.19	12	37.247	116.524	1.1 B	105		7.84		ROW				3.1	ROW				
1976 12 19	1:16	01		SIZ	0.19	12	37.270	116.514	1.1 B	90		4.18		ROW				3.2	ROW				
1976 12 19	2:27			SIZ	0.07	7	37.256	116.519	0.7 B	166		6.67		ROW				3.4	ROW				
1976 12 21	5:00	0.00		SIZ			37.271	116.488				0.00*		ROW*				3.3	ROW				
1976 12 22	5:00	0.00		SIZ			37.271	116.488				0.00*		ROW*				3.1	ROW				
1976 13 1:27	0:00			SIZ			37.271	116.488				0.00*		ROW*				3.3	ROW				
1976 13 2:45	7:25			SIZ	0.22	11	37.265	116.503	1.3 B	86		5.86		ROW				3.2	ROW				
1976 13 5:14	0:00			SIZ			37.271	116.488				0.00*		ROW*				3.1	ROW				
1976 13 5:24	2:72			SIZ	0.14	11	37.272	116.498	0.9 A	87		4.48		ROW				2.6	ROW				
1976 13 5:56	0:00			SIZ			37.271	116.488				0.00*		ROW*				3.1	ROW				
1976 13 7:52	19:33			SIZ	0.17	11	37.258	116.504	1.1 B	96		8.55		ROW	4	BRP	3.5	BRP	3.9	ROW			
1976 13 11:40	5:47			SIZ	0.06	6	37.250	116.492	1.3 C	154		3.48		ROW				3.3	ROW				
1976 13 14:54	0:00			SIZ			37.271	116.488				0.00*		ROW*				3.0	ROW				
1976 13 16:37	35:71			SIZ	0.16	11	37.282	116.507	0.9 B	91		6.19		ROW				3.4	ROW				
1976 13 17:11	0:00			SIZ			37.271	116.488				0.00*		ROW*				3.2	ROW				
1976 13 17:11	16:35			SIZ		5	37.288	116.450		D		8.00*		PAS				2.9	PAS				
1976 13 20:5	23:93			SIZ	0.16	9	37.270	116.505	1.1 B	87		5.72		ROW				3.1	ROW				
1976 13 23:22	31:97			SIZ	0.13	11	37.262	116.512	0.8 B	100		6.19		ROW				3.3	ROW				
1976 14 2:23	0:00			SIZ			37.271	116.488				0.00*		ROW*				3.1	ROW				
1976 14 3:7	59:03			SIZ	0.17	11	37.300	116.368	0.9 B	90		8.70		ROW				2.6	ROW				
1976 14 3:54	0:00			SIZ			37.271	116.488				0.00*		ROW*				3.1	ROW				
1976 14 4:19	53:36			SIZ	0.17	11	37.285	116.503	1.2 B	105		5.58		ROW				2.7	ROW				
1976 14 7:18	5:47			SIZ	0.11	12	37.254	116.511	0.6 B	104		5.56		ROW				2.8	ROW				
1976 14 14:37	33:04			SIZ	0.05	10	37.234	116.420	0.3 B	74		6.68		ROW				3.5	ROW				
1976 14 14:49	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.0	ROW				
1976 14 15:23	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.1	ROW				
1976 14 15:23	49:82			SIZ	0.10	12	37.238	116.429	0.5 B	74		7.69		ROW				2.8	ROW				
1976 14 15:56	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.1	ROW				
1976 14 21:16	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.1	ROW				
1976 14 21:42	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.5	ROW				
1976 14 22:26	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.0	ROW				
1976 14 23:0	28:56			SIZ	0.13	11	37.249	116.494	0.6 B	95		3.34		ROW				3.9	ROW				
1976 14 23:15	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.0	ROW				
1976 14 23:44	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.0	ROW				
1976 15 2:48	1:75			SIZ	0.09	11	37.230	116.423	0.5 C	98		4.96		ROW				3.8	ROW				
1976 15 3:10	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.3	ROW				
1976 15 3:28	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.1	ROW				
1976 15 3:46	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.1	ROW				
1976 15 3:52	58:30			CSNL		9	37.464	116.577				10.27		ISC				2.7	ROW				
1976 15 5:9	55:97			SIZ	0.13	10	37.294	116.340	0.9 B	91		0.00*		ROW				3.1	ROW				
1976 15 6:24	0:00			SIZ			37.243	116.420				0.00*		ROW*									
1976 16 4:42	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.2	ROW				
1976 16 6:58	0:00			SIZ			37.243	116.420				0.00*		ROW*				3.0	ROW				
1976 16 6:58	28:95			SIZ	0.17	10	37.233	116.422	1.0 B	75		6.12		ROW				2.7	ROW				
1976 16 9:19	13:56			SIZ	0.12	9	37.235	116.428	B 134			9.18		ROW				3.2	ROW				
1976 17 7:51	14:79			SIZ	0.20	9	37.291	116.477	1.4 B	90		6.24		ROW				2.9	ROW				
1976 17 13:1	53:27			SIZ	0.14	11	37.267	116.511	0.8 B	91		6.46		ROW				2.9	ROW				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE		ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE																	
(UTC)		HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	ML	REF	MD	REF	mb	REF	OTH	REF	
1976	FEB	17	21:57:45.69		SIZ	0.15	10	37.243	116.510	1.0	B	104	6.22		ROW			4.3	4.2	BRK	3.8	ROW		4.0	PDX		3.8 PAS
1976		17	23:18:17.02		SIZ	0.09	8	37.250	116.527		B	167	6.78		ROW	5	BRP					ROW					
1976		17	23:44:14.20		SIZ	0.14	9	37.254	116.522	1.2	C	167	8.19		ROW*							3.4	ROW				
1976		18	3:23:0.00		SIZ			37.243	116.420				0.00*		ROW*							3.1	ROW				
1976		18	10:38:0.00		SIZ			37.243	116.420				0.00*		ROW*							3.0	ROW				
1976		18	10:48:0.00		SIZ			37.243	116.420				0.00*		ROW*							3.0	ROW				
1976		18	12:41:3.88		SIZ	0.12	9	37.239	116.512	0.9	B	104	6.44		ROW							3.1	ROW				
1976		18	17:54:0.00		SIZ			37.243	116.420				0.00*		ROW*							3.0	ROW				
1976		19	8:4:31.23		SIZ	0.18	9	37.243	116.510	1.1	B	104	0.04		ROW*							3.1	ROW				
1976		19	16:44:4.61		SIZ	0.15	8	37.252	116.515	1.1	B	104	6.62		ROW							3.3	ROW				
1976		19	17:1:1.38				9	36.254	117.606		D		4.12		PAS	4	BRP	3.9	3.9	PAS						4.2 BRK	
1976		19	20:58:17.18				6	36.193	117.609		D		5.12		PAS					2.6	PAS						
1976		19	22:13:4.58				7	36.185	117.619		C		5.95		PAS					2.7	PAS						
1976		19	22:47:59.51				7	36.210	117.586		C		5.90		PAS					2.6	PAS						
1976		20	0:20:49.19				9	36.216	117.742		D		8.00*		PAS					2.9	PAS						
1976		20	1:0:13.15				8	36.208	117.598		D		4.04		PAS					2.5	PAS						
1976		20	14:54:51.21		SIZ	0.12	9	37.253	116.508	0.9	B	104	4.96		ROW							3.2	ROW				
1976		20	17:13:50.20			0.50	11	36.116	114.980						RYN					2.9	PAS						
1976		20	19:25:31.30				6	36.211	117.578		D		4.02		PAS					2.2	PAS						
1976		21	9:46:32.79				7	36.200	117.598		D		4.55		PAS					2.3	PAS						
1976		21	10:27:40.87				9	36.200	117.637		C		3.93		PAS					2.4	PAS						
1976		21	11:16:1.47				9	36.174	117.648		C		4.30		PAS					2.4	PAS						
1976		21	16:34:5.90		SIZ	0.17	10	37.269	116.513	1.1	B	90	6.61		ROW							3.0	ROW				
1976		23	4:51:34.25		SIZ	0.21	11	37.251	116.518	1.3	B	104	6.54		ROW							3.0	ROW				
1976		23	7:6:13.96		SIZ	0.11	9	37.244	116.477	1.2	C	178	12.81		ROW					2.9	PAS						
1976		23	9:38:58.28				12	36.188	117.598		C		8.00*		PAS					3.0	PAS						
1976		23	14:44:33.19		SIZ	0.13	8	37.245	116.523	1.2	C	167	7.40		ROW					2.3	PAS						
1976		24	22:41:41.42				8	36.209	117.598		D		3.63		PAS					2.3	PAS						
1976		25	18:14:7.53		SIZ	0.10	10	37.298	116.339	0.6	B	104	4.29		ROW							2.8	ROW				
1976		26	14:49:59.90		SIZ		14	37.010	115.970						BRK	5	BRP	4.1	4.1	BRK				4.2	PDX		
1976		26	21:35:35.15				6	35.703	117.588		C		4.23		PAS					2.4	PAS						
1976		26	22:52:53.78		SIZ	0.36	10	37.263	116.404	2.1	C	106	4.33		ROW							2.6	ROW				
1976		28	23:26:13.44		SIZ	0.29	10	37.295	116.513	1.9	B	96	7.15		ROW							2.7	ROW				
1976	MAR	1	15:7:48.02				6	35.657	117.715		D		12.30		PAS					2.1	PAS						
1976		3	2:3:59.55		SIZ	0.12	9	37.309	116.339	0.9	B	96	11.79		ROW							2.9	ROW				
1976		3	7:32:6.50			0.17	6	37.028	116.396				10.60		RYN					3.2	PAS						
1976		3	13:14:18.16		SIZ	0.17	10	37.298	116.337	1.1	B	93	9.75		ROW					3.4	PAS						
1976		3	13:47:28.59		SIZ	0.07	6	37.317	116.337	0.8	B	100	11.08		ROW							2.5	ROW				
1976		6	12:17:8.56				6	36.225	117.894		C		12.00*		PAS					2.0	PAS						
1976		7	11:58:5.00			0.18	14	38.285	117.833		D		3.43		PAS	3	BRP	1.8	1.8	BRP							
1976		7	18:18:7.49		SIZ	0.14	10	37.271	116.516	0.9	A	89	6.75		RYN							2.6	RYN				
1976		7	19:20:42.45			0.12	10	37.270	116.515	0.8	B	91	6.53		ROW							2.7	ROW				
1976		8	0:40:13.96		SIZ	0.09	9	37.287	116.561	0.6	C	107	5.85		ROW												
1976		8	2:51:11.38		SIZ	0.13	11	37.241	116.511	0.8	B	104	4.77		ROW					2.7	PAS						
1976		8	9:13:18.91		SIZ	0.14	11	37.215	116.493	0.9	B	103	8.80		ROW							3.3	ROW				
1976		9	14:34:0.00		SIZ			37.310	116.364				0.00*		ROW*							2.9	ROW				
1976		9	14:39:0.00		SIZ			37.310	116.364				0.00*		ROW*							3.6	ROW				
1976		9	14:39:0.00		SIZ			37.310	116.364				0.00*		ROW*							3.5	ROW				

SSB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME		HYPOCENTER					INTENSITY			MAGNITUDE											
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	REF	MD	REF	mb	REF	OTH	REF
1976 MAR	9	14:51:	0.81	SIZ	0.16	9	37.325	116.360	1.3	C	152	6.26	—	ROW	—	—	—	—	3.1	ROW	—	—	—	—
1976	9	14:56:	0.00	SIZ	—	—	37.310	116.364	—	—	—	0.00*	—	ROW*	—	—	—	—	3.0	ROW	—	—	—	—
1976	9	14:56:	0.00	SIZ	—	—	37.310	116.364	—	—	—	0.00*	—	ROW*	—	—	—	—	3.4	ROW	—	—	—	—
1976	9	14:59:	38.79	SIZ	0.19	9	37.342	116.359	1.2	B	82	5.81	—	ROW	—	—	—	—	3.4	ROW	—	—	—	—
1976	9	15: 9:	0.00	SIZ	—	—	37.310	116.364	—	—	—	0.00*	—	ROW*	—	—	—	—	3.2	ROW	—	—	—	—
1976	9	15:12:	0.00	SIZ	—	—	37.310	116.364	—	—	—	0.00*	—	ROW*	—	—	—	—	3.2	ROW	—	—	—	—
1976	9	15:17:	12.00	SIZ	0.09	10	37.317	116.358	0.6	B	85	5.89	—	ROW	—	—	—	—	—	—	—	—	—	—
1976	9	16:33:	0.00	SIZ	—	—	37.310	116.364	—	—	—	0.00*	—	ROW*	—	—	—	—	3.4	ROW	—	—	—	—
1976	9	16:41:	49.02	SIZ	0.20	9	37.308	116.370	1.1	C	76	1.05	—	ROW	—	—	—	—	3.1	ROW	—	—	—	—
1976	9	16:55:	2.00	CPDX	—	13	37.310	116.364	—	—	—	—	—	PDX	—	—	4.0	PDX	—	4.1	PDX	—	—	—
1976	9	17:31:	5.14	SIZ	0.24	12	37.316	116.341	1.2	B	71	4.19	—	ROW	—	—	—	—	3.2	ROW	—	—	—	—
1976	9	18:39:	33.38	SIZ	0.11	12	37.321	116.353	0.5	B	63	3.20	—	ROW	—	—	—	—	2.8	ROW	—	—	—	—
1976	9	20:54:	5.43	SIZ	0.25	9	37.335	116.300	—	C	141	0.31	—	ROW	5	BRP	4.1	BRP	4.1	ROW	4.1	PDX	—	—
1976	9	21: 3:	47.86	SIZ	0.10	12	37.328	116.320	0.5	B	86	4.07	—	ROW	—	—	—	—	3.2	ROW	—	—	—	—
1976	9	21:41:	18.61	SIZ	0.15	10	37.329	116.324	0.8	B	83	3.32	—	ROW	—	—	—	—	2.8	ROW	—	—	—	—
1976	10	1:37:	58.67	SIZ	0.12	8	37.306	116.338	0.9	B	74	7.40	—	ROW	—	—	—	—	2.8	ROW	—	—	—	—
1976	10	4:28:	32.35	SIZ	0.18	9	37.338	116.323	1.3	B	84	9.05	—	ROW	—	—	—	—	3.2	ROW	—	—	—	—
1976	10	12:41:	5.63	SIZ	0.19	7	37.321	116.335	1.3	B	112	3.24	—	ROW	—	—	3.0	PAS	3.4	ROW	—	—	—	—
1976	10	16:31:	11.27	—	—	10	35.901	117.267	—	D	—	8.00*	—	PAS	—	—	2.3	PAS	—	—	—	—	—	—
1976	10	16:51:	0.00	SIZ	—	—	37.310	116.364	—	—	—	0.00*	—	ROW*	—	—	—	—	3.0	ROW	—	—	—	—
1976	10	22:45:	20.59	SIZ	0.19	8	37.327	116.367	1.6	B	83	10.40	—	ROW	—	—	—	—	3.2	ROW	—	—	—	—
1976	11	1:24:	21.32	SIZ	0.10	9	37.316	116.358	0.8	B	126	8.12	—	ROW	—	—	—	—	3.1	ROW	—	—	—	—
1976	11	1:43:	42.84	SIZ	0.12	11	37.269	116.514	0.8	B	91	6.17	—	ROW	—	—	—	—	2.9	ROW	—	—	—	—
1976	11	15:15:	9.28	SIZ	0.29	8	37.350	116.366	2.3	B	88	10.77	—	ROW	—	—	—	—	2.8	ROW	—	—	—	—
1976	11	19:26:	0.00	SIZ	—	—	37.310	116.364	—	—	—	0.00*	—	ROW*	—	—	—	—	3.4	ROW	—	—	—	—
1976	12	4:52:	18.14	SIZ	0.14	7	37.292	116.557	1.5	C	168	10.12	—	ROW	—	—	—	—	2.6	ROW	—	—	—	—
1976	12	5:39:	6.82	SIZ	0.15	8	37.267	116.518	1.2	B	101	7.19	—	ROW	—	—	—	—	3.0	ROW	—	—	—	—
1976	12	22:35:	49.09	SIZ	0.12	10	37.267	116.520	0.8	B	104	6.72	—	ROW	—	—	—	—	3.2	ROW	—	—	—	—
1976	13	4:46:	57.46	SIZ	0.15	10	37.322	116.315	0.8	B	89	4.15	—	ROW	—	—	2.2	PAS	2.9	ROW	—	—	—	—
1976	13	9:48:	34.59	—	—	8	36.008	117.895	—	C	—	5.40	—	PAS	—	—	—	—	—	—	—	—	—	—
1976	13	14:16:	35.35	SIZ	0.14	9	37.271	116.551	1.8	C	249	11.71	—	ROW	—	—	—	—	3.1	ROW	—	—	—	—
1976	13	20:32:	59.37	SIZ	0.18	7	37.271	116.488	2.5	C	162	13.20	—	ROW	—	—	—	—	2.6	ROW	—	—	—	—
1976	14	13: 6:	0.00	SIZ	—	—	37.306	116.471	—	—	—	0.00*	—	ROW*	—	—	—	—	3.0	ROW	—	—	—	—
1976	14	13:10:	0.00	SIZ	—	—	37.306	116.471	—	—	—	0.00*	—	ROW*	—	—	—	—	3.4	ROW	—	—	—	—
1976	14	13:43:	0.00	SIZ	—	—	37.306	116.471	—	—	—	0.00*	—	ROW*	—	—	—	—	3.2	ROW	—	—	—	—
1976	14	13:52:	42.50	CPDX	—	10	37.306	116.471	—	—	—	—	—	PDX	—	—	—	—	—	—	—	—	—	—
1976	14	14: 9:	52.00	CPDX	—	14	37.306	116.471	—	—	—	—	—	PDX	—	—	—	—	—	—	4.3	PDX	—	—
1976	14	14:18:	15.00	CPDX	—	16	37.306	116.471	—	—	—	—	—	PDX	—	—	—	—	—	—	4.2	PDX	—	—
1976	14	14:59:	22.20	CPDX	—	11	37.306	116.471	—	—	—	—	—	PDX	—	—	—	—	—	—	4.3	PDX	—	—
1976	14	15: 6:	0.00	SIZ	—	—	37.306	116.471	—	—	—	0.00*	—	ROW*	—	—	—	—	3.7	ROW	—	—	—	—
1976	14	15: 8:	0.00	SIZ	—	—	37.306	116.471	—	—	—	0.00*	—	ROW*	—	—	—	—	3.9	ROW	—	—	—	—
1976	14	15:24:	0.00	SIZ	—	—	37.306	116.471	—	—	—	0.00*	—	ROW*	—	—	—	—	4.6	ROW	—	—	—	—
1976	14	15:24:	28.80	CPDX	—	21	37.306	116.471	—	—	—	—	—	PDX	—	—	4.7	PDX	—	4.1	PDX	—	—	—
1976	14	15:30:	0.00	SIZ	—	—	37.306	116.471	—	—	—	0.00*	—	ROW*	—	—	—	—	3.0	ROW	—	—	—	—
1976	14	16:22:	34.01	SIZ	0.18	12	37.295	116.479	1.0	B	92	6.55	—	ROW	—	—	—	—	3.3	ROW	—	—	—	—
1976	14	18:18:	13.46	SIZ	0.30	10	37.317	116.486	1.8	C	100	1.56	—	ROW	—	—	—	—	2.6	ROW	—	—	—	—
1976	14	19:12:	23.80	SIZ	0.34	12	37.326	116.487	1.8	C	104	0.21	—	ROW	—	—	—	—	2.8	ROW	—	—	—	—
1976	14	19:27:	52.40	SIZ	0.13	13	37.291	116.473	0.7	A	90	6.27	—	ROW	3	BRP	3.0	BRP	3.8	ROW	3.9	PDX	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY		MAGNITUDE																
(UTC)			HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1976	MAR	14	19:38	35.83		SIZ	0.13	11	37.274	116.514	0.8 A	89		6.96		ROW							2.9	ROW				
1976		14	22:18	42.02		SIZ	0.26	8	37.322	116.483	1.8 B	102		3.17		ROW							2.5	ROW				
1976		15	01:16	12.95		SIZ	0.13	12	37.284	116.458	0.7 A	85		7.86		ROW							3.4	ROW				
1976		15	01:48	0.00		SIZ			37.306	116.471				0.00*		ROW*							3.0	ROW				
1976		15	3:14	0.00		SIZ			37.306	116.471				0.00*		ROW*							3.0	ROW				
1976		15	4:55	59.77		SIZ	0.14	11	37.287	116.459	0.8 A	86		8.72		ROW												
1976		15	7: 3	39.79		SIZ	0.08	8	37.317	116.499	0.6 B	103		6.56		ROW							2.7	ROW				
1976		15	12:20	36.37		SIZ	0.18	10	37.300	116.347	1.1 B	69		10.30		ROW							2.7	ROW				
1976		15	13:27	26.51		SIZ	0.33	10	37.319	116.477	1.8 C	100		2.50		ROW							2.7	ROW				
1976		15	22:50	59.15		SIZ	0.16	13	37.289	116.452	0.8 B	85		9.22		ROW							2.7	ROW				
1976		15	22:57	13.09		SIZ	0.13	8	37.312	116.475	0.8 B	97		3.05		ROW							2.8	ROW				
1976		15	23: 3	5.77		SIZ	0.23	12	37.302	116.491	1.0 B	95		0.83		ROW							3.2	ROW				
1976		16	10: 0	33.94				16	36.189	117.559		B		8.00*		PAS	4	BRP	3.6	BRP	3.6	PAS					3.9	PDX
1976		16	13:33	11.01				10	36.226	117.568		C		8.00*		PAS						2.5	PAS					
1976		16	14:47	24.04				7	36.183	117.616		C		5.47		PAS						2.1	PAS					
1976		16	18: 5	53.53		SIZ	0.16	11	37.294	116.512	1.1 B	95		4.94		ROW							2.5	ROW				
1976		16	19:43	15.05				10	36.186	117.631		C		3.98		PAS						2.1	PAS					
1976		16	21:51	57.87		SIZ	0.14	8	37.311	116.484	1.0 B	98		5.78		ROW							2.8	ROW				
1976		16	22:57	30.55		SIZ	0.13	12	37.300	116.459	0.7 B	90		7.75		ROW							2.6	ROW				
1976		17	3:17	53.34				12	36.157	117.646		C		3.63		PAS						2.6	PAS					
1976		17	13: 1	38.97				7	36.186	117.605		C		7.44		PAS						2.2	PAS					
1976		17	15:59	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.7	ROW				
1976		17	16: 6	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.2	ROW				
1976		17	16:14	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.0	ROW				
1976		17	16:16	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.2	ROW				
1976		17	16:30	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.6	ROW				
1976		17	16:36	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.2	ROW				
1976		17	16:39	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.5	ROW				
1976		17	16:51	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.4	ROW				
1976		17	17: 8	47.57		SIZ	0.15	9	37.247	116.317	0.9 B	75		3.55		ROW							3.1	ROW				
1976		17	17:16	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.4	ROW				
1976		17	17:35	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.0	ROW				
1976		17	18: 0	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.8	ROW				
1976		17	18: 5	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.6	ROW				
1976		17	18:40	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.3	ROW				
1976		17	20:10	4.75		SIZ	0.15	12	37.257	116.310	0.7 A	80		4.00		ROW							2.8	ROW				
1976		17	20:23	7.08		SIZ	0.29	12	37.259	116.501	1.6 B	91		6.07		ROW							2.9	ROW				
1976		17	23:16	4.80		SIZ	0.10	6	37.238	116.312	1.0 B	101		4.45		ROW							3.5	ROW				
1976		17	23:26	39.17		SIZ	0.23	12	37.252	116.327	1.0 B	74		3.41		ROW							3.3	ROW				
1976		18	1:12	26.75		SIZ	0.32	6	37.239	116.307	2.7 C	109		0.42		ROW							2.6	ROW				
1976		18	3: 4	37.00		SIZ	0.12	12	37.243	116.314	0.5 A	71		4.10		ROW							3.1	ROW				
1976		18	4:45	49.27				8	35.699	117.577		C		6.24		PAS					1.9	PAS						
1976		18	5:26	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.2	ROW				
1976		18	5:30	54.71		SIZ	0.33	9	37.289	116.288	1.7 C	98		0.99		ROW							3.2	ROW				
1976		18	9:37	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.0	ROW				
1976		18	16:41	47.38		SIZ	0.23	8	37.242	116.286	1.5 B	72		5.74		ROW							3.3	ROW				
1976		18	17: 7	0.00		SIZ			37.107	116.052				0.00*		ROW*							3.0	ROW				
1976		18	17:18	59.04		SIZ	0.08	12	37.249	116.315	0.4 A	74		5.19		ROW							3.2	ROW				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY				MAGNITUDE												
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1976 MAR 18	17:47	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.0	ROW	—	—	—	—
1976 MAR 18	17:52	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.0	ROW	—	—	—	—
1976 MAR 18	21: 8	4:87		SIZ	0.13	9	37.247	116.312	0.7	A	88	4.24	—	ROW*	—	—	—	—	—	—	2.9	ROW	—	—	—	—
1976 MAR 18	21:33	51.92		SIZ	0.27	7	37.256	116.327	1.9	B	97	2.59	—	ROW*	—	—	—	—	—	—	3.0	ROW	—	—	—	—
1976 MAR 18	23: 3	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.1	ROW	—	—	—	—
1976 MAR 19	1:20	53.90		SIZ	0.28	9	37.265	116.319	1.2	B	95	0.51	—	ROW*	—	—	—	—	—	—	3.3	ROW	—	—	—	—
1976 MAR 19	4:54	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.4	ROW	—	—	—	—
1976 MAR 19	5:31	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.3	ROW	—	—	—	—
1976 MAR 19	5:47	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.4	ROW	—	—	—	—
1976 MAR 19	5:50	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.1	ROW	—	—	—	—
1976 MAR 19	5:51	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.2	ROW	—	—	—	—
1976 MAR 19	6: 0	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.1	ROW	—	—	—	—
1976 MAR 19	6: 8	34.56		SIZ	0.22	9	37.243	116.319	1.3	B	80	4.36	—	ROW*	—	—	—	—	—	—	3.4	ROW	—	—	—	—
1976 MAR 19	6:14	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.0	ROW	—	—	—	—
1976 MAR 19	6:21	51.74		SIZ	0.11	9	37.238	116.311	0.6	A	82	3.56	—	ROW*	—	—	—	—	—	—	3.8	ROW	—	—	—	—
1976 MAR 19	7: 9	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.1	ROW	—	—	—	—
1976 MAR 19	7:32	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.1	ROW	—	—	—	—
1976 MAR 19	7:47	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.4	ROW	—	—	—	—
1976 MAR 19	8:17	3:20		SIZ	—	—	37.200	116.580	—	X	—	5.00*	—	BRP	5	BRP	4.0	BRP	—	—	—	—	—	4.1	PDX	—
1976 MAR 19	10:33	11.49		SIZ	0.19	11	37.253	116.322	1.0	B	80	4.19	—	ROW*	—	—	—	—	—	—	2.8	ROW	—	—	—	—
1976 MAR 20	1:56	39.82		SIZ	0.38	9	37.345	116.491	2.6	C	112	3.55	—	ROW*	—	—	—	—	—	—	2.7	ROW	—	—	—	—
1976 MAR 20	6:23	3:34		SIZ	0.20	13	37.275	116.511	—	B	89	7.49	—	ROW*	5	BRP	4.0	BRP	3.6	PAS	3.9	ROW	—	—	4.0	PDX
1976 MAR 20	6:35	11.16		SIZ	0.24	9	37.273	116.517	2.0	C	145	6.32	—	ROW*	—	—	—	—	—	—	2.9	ROW	—	—	—	—
1976 MAR 20	6:36	16.12		SIZ	0.20	11	37.277	116.510	1.2	B	90	5.57	—	ROW*	—	—	—	—	—	—	3.0	ROW	—	—	—	—
1976 MAR 20	7:36	39.45		SIZ	0.19	11	37.332	116.314	1.2	B	91	4.26	—	ROW*	—	—	—	—	—	—	3.0	ROW	—	—	—	—
1976 MAR 20	7:48	48.56		SIZ	0.23	11	37.276	116.521	1.4	B	90	0.35	—	ROW*	—	—	—	—	—	—	3.1	ROW	—	—	—	—
1976 MAR 20	8:36	27.64		SIZ	0.12	10	37.270	116.527	0.9	B	165	7.90	—	ROW*	—	—	—	—	—	—	2.8	ROW	—	—	—	—
1976 MAR 20	14:30	32.72		SIZ	0.16	12	37.277	116.507	1.0	B	89	5.37	—	ROW*	—	—	—	—	—	—	3.0	ROW	—	—	—	—
1976 MAR 20	20:31	51.62		SIZ	0.14	10	37.283	116.510	1.0	B	106	6.48	—	ROW*	—	—	—	—	—	—	2.5	ROW	—	—	—	—
1976 MAR 20	21:15	19.34		SIZ	—	10	36.192	117.614	—	B	—	4.04	—	PAS	—	—	—	—	—	2.9	PAS	—	—	—	—	—
1976 MAR 21	3:59	44.37		SIZ	0.15	11	37.275	116.510	0.9	B	89	6.75	—	ROW*	—	—	—	—	—	—	3.0	ROW	—	—	—	—
1976 MAR 21	4: 1	5:67		SIZ	0.12	6	37.280	116.504	3.1	C	137	5.46	—	ROW*	—	—	—	—	—	—	2.7	ROW	—	—	—	—
1976 MAR 21	4:54	0:76		SIZ	0.12	10	37.291	116.458	0.8	A	87	11.10	—	ROW*	—	—	—	—	—	—	2.6	ROW	—	—	—	—
1976 MAR 21	5:22	31.00		SIZ	0.24	11	37.277	116.497	1.4	B	88	5.53	—	ROW*	—	—	—	—	—	—	2.8	ROW	—	—	—	—
1976 MAR 21	16:15	42.87		SIZ	0.21	12	37.301	116.352	1.1	B	66	7.94	—	ROW*	—	—	—	—	—	—	2.7	ROW	—	—	—	—
1976 MAR 22	4:38	58.65		SIZ	—	9	37.201	117.377	—	C	—	8.00*	—	PAS	—	—	—	—	—	2.7	PAS	—	—	—	—	—
1976 MAR 23	2:48	4.90		SIZ	0.23	12	37.296	116.348	1.2	B	69	6.26	—	ROW*	5	BRP	4.4	BRP	3.6	PAS	3.6	ROW	—	—	4.4	PDX
1976 MAR 23	4:25	30.63		SIZ	0.19	12	37.319	116.338	1.0	B	73	10.27	—	ROW*	—	—	—	—	—	—	2.8	ROW	—	—	—	—
1976 MAR 23	5:56	56.38		SIZ	0.15	12	37.292	116.337	0.8	B	75	7.96	—	ROW*	—	—	—	—	—	—	2.9	ROW	—	—	—	—
1976 MAR 23	19:51	53.18		SIZ	—	7	36.181	117.650	—	C	—	1.59	—	PAS	—	—	—	—	—	2.3	PAS	—	—	—	—	—
1976 MAR 24	20:23	43.97		SIZ	0.16	11	37.273	116.323	0.8	B	81	4.89	—	ROW*	—	—	—	—	—	—	2.8	ROW	—	—	—	—
1976 MAR 25	13:30	18.48		SIZ	0.41	12	37.224	116.316	1.9	B	62	6.26	—	ROW*	—	—	—	—	—	—	3.5	ROW	—	—	—	—
1976 MAR 25	13:36	0:00		SIZ	—	—	37.107	116.052	—	—	—	0.00*	—	ROW*	—	—	—	—	—	—	3.0	ROW	—	—	—	—
1976 MAR 28	2:48	7.45		SIZ	—	7	37.169	116.299	—	C	—	11.60	—	PAS	—	—	—	—	—	3.6	PAS	—	—	—	—	—
1976 MAR 31	11:52	26.56		SIZ	0.24	14	37.244	116.498	1.3	B	102	3.50	—	ROW*	—	—	—	—	—	—	3.0	ROW	—	—	—	—
1976 MAR 31	12:41	34.29		SIZ	0.14	14	37.284	116.436	0.7	B	80	6.34	—	ROW*	—	—	—	—	—	—	2.7	ROW	—	—	—	—
1976 APR 1	4:28	35.98		SIZ	—	10	36.102	117.758	—	B	—	6.04	—	PAS	—	—	—	—	—	—	2.4	PAS	—	—	—	—
1976 APR 1	8: 9	26.98		SIZ	0.16	11	37.261	116.505	1.1	C	150	6.71	—	ROW*	—	—	—	—	—	—	2.7	ROW	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER				INTENSITY		MAGNITUDE														
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1976 APR 4	4	1:11	53.65		—	5	35.778	117.572	—	D	—	7.26	—	PAS	—	—	—	—	1.7	PAS	—	—	—	—	—	—
1976 APR 4	4	2:38	26.39		—	5	35.717	117.120	—	D	—	8.00*	—	PAS	—	—	—	—	1.7	PAS	—	—	—	—	—	—
1976 APR 5	5	1: 2:39	46	SIZ	0.23	13	37.300	116.328	—	B	79	11.54	—	ROW	—	—	—	—	2.9	PAS	3.2	ROW	—	—	—	—
1976 APR 5	5	23:37	38.82	SIZ	0.14	12	37.299	116.344	0.8	A	71	10.67	—	ROW	—	—	—	—	—	—	2.8	ROW	—	—	—	—
1976 APR 7	7	12:48	41.12	SIZ	0.11	11	37.242	116.501	0.7	B	103	10.50	—	ROW	—	—	—	—	—	—	2.5	ROW	—	—	—	—
1976 APR 7	7	14:16	53.97	SIZ	0.29	11	37.230	116.504	2.0	C	103	7.59	—	ROW	—	—	—	—	—	—	3.1	ROW	—	—	—	—
1976 APR 9	9	3: 8:22	98		—	10	36.194	117.605	—	C	—	3.89	—	PAS	—	—	—	—	2.2	PAS	—	—	—	—	—	—
1976 APR 9	9	13:36	42.82	SIZ	0.24	9	37.305	116.361	1.5	C	124	4.05	—	ROW	—	—	—	—	—	—	2.5	ROW	—	—	—	—
1976 APR 9	9	13:43	31.47	SIZ	0.28	9	37.291	116.367	2.1	C	123	0.38	—	ROW	—	—	—	—	—	—	2.6	ROW	—	—	—	—
1976 APR 9	9	19: 2:40	70	SIZ	0.16	9	37.294	116.500	1.2	C	130	4.22	—	ROW	—	—	—	—	—	—	2.8	ROW	—	—	—	—
1976 APR 12	12	5:37	13.98		—	8	36.987	117.994	—	C	—	0.51	—	PAS	—	—	—	—	2.4	PAS	—	—	—	—	—	—
1976 APR 13	13	2:54	51.58		—	4	35.980	116.941	—	D	—	5.14	—	PAS	—	—	—	—	2.4	PAS	—	—	—	—	—	—
1976 APR 13	13	13:26	43.33	SIZ	0.38	10	37.294	116.314	2.4	C	124	10.22	—	ROW	—	—	—	—	—	—	2.6	ROW	—	—	—	—
1976 APR 17	17	6:10	32.98		—	6	36.118	117.911	—	D	—	8.00*	—	PAS	—	—	—	—	2.1	PAS	—	—	—	—	—	—
1976 APR 18	18	2:45	58.58		—	6	35.800	117.674	—	C	—	6.20	—	PAS	—	—	—	—	1.9	PAS	—	—	—	—	—	—
1976 APR 18	18	10:59	31.42		—	8	36.111	117.675	—	C	—	8.00*	—	PAS	—	—	—	—	2.1	PAS	—	—	—	—	—	—
1976 APR 20	20	4:19	14.59		—	10	36.160	117.973	—	B	—	0.28	—	PAS	—	—	—	—	2.7	PAS	—	—	—	—	—	—
1976 APR 21	21	1: 3:43	69		—	7	35.994	117.640	—	C	—	4.26	—	PAS	—	—	—	—	2.2	PAS	—	—	—	—	—	—
1976 APR 24	24	3:21	21.97		0.23	13	37.088	116.626	—	B	110	15.53	—	ROW	—	—	—	—	2.6	PAS	—	—	—	—	—	—
1976 APR 24	24	13:45	43.73		—	14	36.183	117.618	—	B	—	5.51	—	PAS	—	—	—	—	2.5	PAS	—	—	—	—	—	—
1976 APR 24	24	21: 4:26	65		—	11	36.159	117.943	—	B	—	6.13	—	PAS	—	—	—	—	2.9	PAS	—	—	—	—	—	—
1976 MAY 3	3	3:35	5.65	SIZ	0.13	10	37.293	116.490	0.9	B	160	5.62	—	ROW	—	—	—	—	—	—	2.5	ROW	—	—	—	—
1976 MAY 8	8	13:16	37.48	SIZ	0.16	13	37.291	116.351	—	B	68	9.56	—	ROW	—	3	BRP	1.8	BRP	—	—	3.5	ROW	—	—	—
1976 MAY 9	9	12: 0:25	44	SIZ	0.11	12	37.297	116.337	0.6	B	75	9.25	—	ROW	—	—	—	—	3.2	PAS	—	—	2.8	ROW	—	—
1976 MAY 10	10	0: 2:47	60		—	5	36.990	117.950	—	—	—	—	—	BRK	—	—	—	—	3.0	BRK	—	—	—	—	2.4	PAS
1976 MAY 10	10	13: 7: 3:07		SIZ	0.18	12	37.279	116.370	0.9	B	62	9.58	—	ROW	—	—	—	—	—	—	2.6	ROW	—	—	—	—
1976 MAY 14	14	12:48	24.75	SIZ	0.12	11	37.241	116.314	0.6	A	69	4.56	—	ROW	—	—	—	—	—	—	3.3	ROW	—	—	—	—
1976 MAY 20	20	14: 7:38	91	SIZ	0.12	11	37.408	116.290	1.2	C	211	8.94	—	ROW	—	—	—	—	—	—	2.6	ROW	—	—	—	—
1976 MAY 20	20	17:29	59.12		—	5	37.125	115.826	—	D	—	1.76	—	PAS	—	—	—	—	3.7	PAS	—	—	—	—	—	—
1976 MAY 28	28	1:57	13.71	SIZ	0.19	12	37.339	116.315	1.1	B	92	4.66	—	ROW	—	—	—	—	—	—	2.9	ROW	—	—	—	—
1976 MAY 30	30	23:28	49.01		—	8	35.817	117.944	—	C	—	8.00*	—	PAS	—	—	—	—	2.7	PAS	—	—	—	—	—	—
1976 MAY 31	31	3:25	35.38	SIZ	0.13	10	37.293	116.461	0.8	A	88	8.02	—	ROW	—	—	—	—	—	—	2.8	ROW	—	—	—	—
1976 MAY 31	31	7:47	31.76	SIZ	0.11	11	37.292	116.457	0.6	A	87	8.19	—	ROW	—	—	—	—	—	—	3.0	ROW	—	—	—	—
1976 JUN 1	1	10:24	42.71		0.09	16	36.635	116.322	—	B	123	7.00	—	ROW	—	4	BRP	3.5	BRP	—	—	3.5	ROW	—	—	—
1976 JUN 2	2	5:32	37.06		—	8	36.029	117.884	—	C	—	8.00*	—	PAS	—	—	—	—	3.0	PAS	—	—	—	—	—	—
1976 JUN 2	2	6:19	56.23		—	7	36.029	117.853	—	C	—	8.00*	—	PAS	—	—	—	—	2.2	PAS	—	—	—	—	—	—
1976 JUN 3	3	4:59	35.65	SIZ	0.30	12	37.290	116.497	1.7	B	92	6.22	—	ROW	—	—	—	—	—	—	2.8	ROW	—	—	—	—
1976 JUN 5	5	14:41	26.56		—	10	36.028	117.865	—	B	—	4.32	—	PAS	—	—	—	—	2.5	PAS	—	—	—	—	—	—
1976 JUN 6	6	12:45	2.74		0.09	15	36.631	116.328	—	B	124	6.11	—	ROW	—	4	BRP	3.5	BRP	—	—	4.0	ROW	—	—	—
1976 JUN 7	7	0:32	38.68		0.09	15	36.630	116.330	—	B	124	6.34	—	ROW	—	5	BRP	4.1	BRP	—	—	4.1	ROW	—	—	—
1976 JUN 7	7	0:37	12.95		0.18	15	36.629	116.332	—	B	124	7.62	—	ROW	—	5	BRP	4.1	BRP	—	—	4.2	ROW	—	—	—
1976 JUN 7	7	2:28	6.67		0.14	14	36.629	116.337	0.7	C	124	0.17	—	ROW	—	—	—	—	4.1	PAS	—	—	3.1	ROW	—	—
1976 JUN 8	8	5:56	5.36		0.32	9	36.647	116.328	2.2	C	122	0.92	—	ROW	—	—	—	—	—	—	2.3	ROW	—	—	—	—
1976 JUN 8	8	6:45	48.41		0.26	10	36.641	116.325	1.4	C	123	0.61	—	ROW	—	—	—	—	—	—	2.4	ROW	—	—	—	—
1976 JUN 9	9	9:43	6.74		0.17	10	36.629	116.317	1.2	B	124	7.12	—	ROW	—	—	—	—	—	—	2.5	ROW	—	—	—	—
1976 JUN 9	9	22:12	58.54		0.38	12	36.620	116.329	2.3	C	124	9.32	—	ROW	—	—	—	—	—	—	3.1	ROW	—	—	—	—
1976 JUN 11	11	1: 1: 2:22		SIZ	0.11	8	37.274	116.517	1.0	B	146	7.60	—	ROW	—	—	—	—	—	—	2.8	ROW	—	—	—	—
1976 JUN 12	12	10:22	17.76		—	10	35.688	117.662	—	B	—	1.83	—	PAS	—	—	—	—	2.4	PAS	—	—	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE			ORIGIN TIME			HYPOCENTER					INTENSITY		MAGNITUDE													
(UTC)	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1976 JUN 13	0:26:	0:84		SIZ	0.22	12	36.645	116.307	1.3	C	122	3.38	—	ROW	—	—	—	—	—	—	2.4	ROW	—	—	—	—
1976 JUN 15	1:50:	26:73			0.18	8	37.269	116.518	1.6	B	123	6.69	—	ROW	—	—	—	—	—	—	2.7	ROW	—	—	—	—
1976 JUN 16	15:35:	24:72			0.15	11	36.637	116.335	—	C	123	4.93	—	PAS	—	—	—	—	—	2.6	PAS	—	—	—	—	—
1976 JUN 17	18:44:	30:57			—	8	36.367	117.919	—	C	—	8.00*	—	PAS	—	—	—	—	—	2.6	PAS	—	—	—	—	—
1976 JUN 17	20:3:	49:35			—	11	36.395	117.891	—	C	—	8.00*	—	PAS	—	—	—	—	—	2.4	PAS	—	—	—	—	—
1976 JUN 18	7:49:	39:10			—	8	36.369	117.919	—	C	—	8.00*	—	PAS	—	—	—	—	1.9	PAS	—	—	—	—	—	—
1976 JUN 19	6:49:	57:96			0.18	11	36.630	116.323	1.1	C	124	0.45	—	ROW	—	—	—	—	—	—	2.4	ROW	—	—	—	—
1976 JUN 19	10:26:	55:80			0.08	12	36.647	116.322	—	C	122	4.65	—	ROW	—	—	—	—	3.7	PAS	—	—	—	—	—	—
1976 JUN 19	10:48:	48:24			0.14	9	36.632	116.319	1.0	C	123	0.51	—	ROW	—	—	—	—	—	—	2.5	ROW	—	—	—	—
1976 JUN 20	18:30:	58:26			0.14	9	36.625	116.321	—	C	124	0.20	—	ROW	3	BRP	3.0	BRP	3.0	PAS	—	—	—	—	—	—
1976 JUN 20	20:28:	21:30			0.19	11	36.640	116.326	—	C	123	5.89	—	ROW	—	—	—	—	2.8	PAS	—	—	—	—	—	—
1976 JUN 22	23:39:	2:97			0.13	10	36.628	116.324	1.0	C	124	5.97	—	ROW	—	—	—	—	—	—	2.9	ROW	—	—	—	—
1976 JUN 28	1:58:	43:55			0.15	13	36.630	116.317	0.8	C	124	0.61	—	ROW	—	—	—	—	—	—	2.4	ROW	—	—	—	—
1976 JUN 28	0:51:	34:64			—	7	35.972	116.981	—	D	—	3.55	—	PAS	—	—	—	—	2.1	PAS	—	—	—	—	—	—
1976 JUN 28	4:46:	29:29			—	9	36.370	117.571	—	B	—	3.31	—	PAS	—	—	—	—	2.8	PAS	—	—	—	—	—	3.3 BRK
1976 JUN 18	3:1:	37:41			—	7	36.543	117.868	—	C	—	8.00*	—	PAS	3	BRP	3.3	BRP	3.1	PAS	—	—	—	—	—	—
1976 JUN 29	21:54:	32:71			—	8	36.540	117.894	—	C	—	5.29	—	PAS	—	—	—	—	2.2	PAS	—	—	—	—	—	—
1976 JUN 2	4:27:	9:60			0.22	11	38.323	117.991	—	D	—	0.55	—	RYN	—	—	—	—	—	—	2.9	RYN	—	—	—	—
1976 JUN 5	19:40:	43:00			—	4	38.254	117.986	—	C	—	18.98	—	RYN	—	—	—	—	—	—	3.3	RYN	—	—	—	—
1976 JUN 5	20:32:	31:80			0.30	6	38.291	117.957	—	D	—	0.48	—	RYN	—	—	—	—	—	—	2.9	RYN	—	—	—	—
1976 JUN 11	2:23:	10:00			—	—	36.222	117.990	—	D	—	8.00*	—	PAS	—	—	—	—	2.2	PAS	—	—	—	—	—	—
1976 JUN 13	6:55:	51:94			—	—	36.515	117.894	—	D	—	8.00*	—	PAS	—	—	—	—	2.8	PAS	—	—	—	—	—	—
1976 JUN 14	13:5:	58:40			0.09	6	38.475	117.813	—	D	—	8.19	—	RYN	—	—	—	—	—	—	3.3	RYN	—	—	—	—
1976 JUN 16	16:37:	21:40			—	—	36.194	117.655	—	D	—	8.00*	—	PAS	5	BRP	3.7	BRP	3.7	PAS	—	—	—	—	—	—
1976 JUN 16	19:21:	40:70			—	—	36.228	117.578	—	D	—	8.00*	—	PAS	—	—	—	—	2.4	PAS	—	—	—	—	—	—
1976 JUN 18	23:16:	41:50			—	7	35.884	117.893	—	D	—	33.00*	—	ISC	—	—	—	—	2.1	PAS	—	—	—	—	—	—
1976 JUN 22	15:55:	37:38			—	—	36.002	116.946	—	D	—	3.19	—	PAS	—	—	—	—	1.8	PAS	—	—	—	—	—	—
1976 SEP 1	11:13:	23:51			—	4	36.418	117.881	—	D	—	3.38	—	PAS	—	—	—	—	1.8	PAS	—	—	—	—	—	—
1976 SEP 1	21:37:	33:33			—	4	35.734	117.528	—	D	—	4.04	—	PAS	—	—	—	—	2.8	PAS	—	—	—	—	—	—
1976 SEP 14	19:0:	19:14			—	15	35.836	117.728	—	B	—	4.54	—	PAS	—	—	—	—	—	—	—	—	—	—	—	—
1976 SEP 16	21:14:	14:23			—	5	36.003	116.947	—	D	—	3.50	—	PAS	—	—	—	—	1.7	PAS	—	—	—	—	—	3.7 BRK
1976 SEP 23	2:46:	53:54			—	7	36.514	117.865	—	C	—	6.19	—	PAS	3	BRP	3.0	BRP	3.4	PAS	—	—	—	—	—	—
1976 SEP 23	18:24:	20:11			—	8	36.451	117.877	—	C	—	3.50	—	PAS	—	—	—	—	2.2	PAS	—	—	—	—	—	—
1976 SEP 25	20:9:	42:30			—	8	35.797	117.685	—	C	—	10.50	—	PAS	—	—	—	—	1.8	PAS	—	—	—	—	—	—
1976 SEP 27	13:18:	17:76			—	8	35.765	117.698	—	C	—	3.68	—	PAS	—	—	—	—	2.0	PAS	—	—	—	—	—	—
1976 SEP 27	17:7:	48:84			—	8	35.777	117.702	—	C	—	4.71	—	PAS	—	—	—	—	2.3	PAS	—	—	—	—	—	—
1976 SEP 28	0:17:	8:85			—	9	35.755	117.694	—	B	—	3.13	—	PAS	—	—	—	—	2.7	PAS	—	—	—	—	—	—
1976 SEP 28	0:23:	45:82			—	5	35.786	117.718	—	C	—	3.35	—	PAS	—	—	—	—	1.9	PAS	—	—	—	—	—	—
1976 SEP 28	0:34:	7:27			—	9	35.769	117.697	—	B	—	4.94	—	PAS	—	—	—	—	2.5	PAS	—	—	—	—	—	—
1976 SEP 28	0:49:	53:97			—	8	35.818	117.697	—	C	—	16.50	—	PAS	—	—	—	—	1.9	PAS	—	—	—	—	—	—
1976 SEP 28	10:44:	19:35			—	10	35.762	117.693	—	B	—	4.78	—	PAS	—	—	—	—	2.5	PAS	—	—	—	—	—	—
1976 SEP 28	10:56:	38:91			—	6	35.818	117.624	—	D	—	11.90	—	PAS	—	—	—	—	1.9	PAS	—	—	—	—	—	—
1976 SEP 28	17:40:	52:86			—	8	35.818	117.697	—	C	—	12.90	—	PAS	—	—	—	—	1.9	PAS	—	—	—	—	—	—
1976 SEP 28	21:40:	11:15			—	8	35.830	117.708	—	C	—	10.60	—	PAS	—	—	—	—	1.8	PAS	—	—	—	—	—	—
1976 SEP 29	12:43:	25:84			—	5	35.749	117.651	—	D	—	2.92	—	PAS	—	—	—	—	1.9	PAS	—	—	—	—	—	—
1976 SEP 29	20:13:	6:74			—	16	35.778	117.695	—	C	—	4.94	—	PAS	—	—	—	—	2.7	PAS	—	—	—	—	—	—
1976 SEP 29	20:17:	50:24			—	6	35.725	117.648	—	C	—	8.00*	—	PAS	—	—	—	—	2.0	PAS	—	—	—	—	—	—
1976 SEP 30	0:4:	23:27			—	6	35.785	117.691	—	C	—	4.84	—	PAS	—	—	—	—	1.9	PAS	—	—	—	—	—	—

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE																	
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1976 SEP 30	1:26	2	93			6	35.819	117.674		C		7.43		PAS					1.7	PAS						
1976 30	2:55	8	40			6	35.761	117.701		D		6.12		PAS					1.9	PAS						
1976 30	5:34	12	44			13	35.811	117.686		C		8.00*		PAS					1.7	PAS						
1976 OCT 1	6:16	6	59				35.765	117.705		C		6.56		PAS					2.5	PAS						
1976 1	0:39	22	52				35.974	117.765		D		9.93		PAS					2.0	PAS						
1976 1	1: 6	32	11				35.791	117.693		D		10.70		PAS					2.8	PAS						
1976 1	10:27	18	64				35.818	117.654		D		11.40		PAS					1.8	PAS						
1976 3	6:15	47	30				35.833	117.693		D		8.00*		PAS					1.7	PAS						
1976 3	6:57	17	92				35.818	117.688		D		9.15		PAS					1.8	PAS						
1976 3	14:44	5	11				35.852	117.703		D		8.00*		PAS					2.4	PAS						
1976 3	14:57	46	31				35.818	117.686		D		8.31		PAS					2.2	PAS						
1976 4	6:49	48	81				35.800	117.623		D		8.00*		PAS					2.0	PAS						
1976 4	14:48	39	00	LM			36.030	114.730		X		5.00*		BRP	3	BRP	1.8	BRP	3.0	PDX						
1976 4	20:50	39	73				35.820	117.697		D		6.70		PAS					2.0	PAS						
1976 6	0:39	1	50				35.802	117.685		D		8.00*		PAS					2.1	PAS						
1976 9	12:28	20	14				35.883	117.688		D		9.89		PAS					2.0	PAS						
1976 9	21:34	57	93				35.801	117.696		D		8.00*		PAS					2.0	PAS						
1976 10	4:36	9	28				35.810	117.711		D		8.00*		PAS					1.9	PAS						
1976 10	22:51	24	18				35.820	117.686		D		3.33		PAS					2.3	PAS						
1976 15	8:39	51	73				35.848	117.687		D		10.00*		PAS					1.7	PAS						
1976 18	23:15	14	50				35.818	117.692		D		8.00*		PAS					2.5	PAS						
1976 19	1:59	10	60	LM			35.980	114.820		X		5.00*		BRP	3	BRP	3.0	BRP	1.8	PAS						
1976 19	5:34	9	71				35.810	117.985		D		8.39		PAS					3.4	BRK						
1976 20	23:14	56	30			7	37.600	118.000						BRK												
1976 30	9:19	51	11				36.076	116.853		D		1.31		PAS					2.1	PAS						
1976 30	22:56	14	76				35.847	117.715		D		7.90		PAS					2.4	PAS						
1976 31	8:18	58	88				35.807	117.705		D		6.06		PAS					2.3	PAS						
1976 NOV 5	5:16	51	70				37.192	116.204				2.80		RYN					3.7	PAS	2.5	RYN				
1976 10	6:47	59	13	SIZ	0.13	7	36.013	117.579		C		0.66		PAS					2.3	PAS						
1976 10	11:54	23	74				35.991	117.849		D		7.82		PAS					2.3	PAS						
1976 13	5: 2	38	82				35.818	117.639		D		10.60		PAS					2.3	PAS						
1976 13	19: 1	58	80			13	36.463	117.893		B		6.27		RYN					3.5	RYN						
1976 13	20:15	4	70				35.745	117.529		D		3.64		PAS					1.7	PAS						
1976 16	20: 1	47	10				35.818	117.922		D		8.00*		PAS					2.2	PAS						
1976 21	3:54	9	60				37.907	117.968						RYN					2.0	PAS	1.8	RYN				
1976 22	1:36	57	86				35.898	117.051		D		3.30		PAS												
1976 24	16:51	17	04				35.833	117.588		D		8.00*		PAS					1.8	PAS						
1976 DEC 25	1:23	15	07				36.850	115.986		D		3.00*		PAS					2.7	PAS						
1976 DEC 2	14:10	16	22				35.961	117.832		D		3.15		PAS					2.2	PAS						
1976 2	17:47	25	96				35.928	117.815		D		3.27		PAS					2.4	PAS						
1976 2	18:22	25	19				35.953	117.826		D		8.00*		PAS					1.9	PAS						
1976 2	19:44	7	17				35.964	117.818		D		3.06		PAS					2.2	PAS						
1976 2	21: 2	8	04				36.045	117.797		D		2.86		PAS					2.7	PAS						
1976 4	23:28	7	10				35.801	117.718		D		3.30		PAS					2.7	PAS						
1976 5	7: 1	11	69				35.781	117.719		D		6.11		PAS					2.1	PAS						
1976 10	22:23	18	86				35.818	117.707		D		8.00*		PAS					2.3	PAS						
1976 11	14:53	6	42				35.800	117.702		D		5.65		PAS					3.1	PAS						
1976 12	16:13	24	97				35.818	117.698		D		8.00*		PAS					2.7	PAS						

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE												
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	OTH	REF
1976 DEC 12	20:45:	5.20					35.867	117.715		D		4.02		PAS			1.9 PAS				
1976 13	1:12:43.98						35.885	117.684		D		3.28		PAS			2.3 PAS				
1976 16	18:15:37.10						35.771	117.697		D		8.00*		PAS			2.8 PAS				
1976 18	11:29: 3.19						35.818	117.861		D		8.00*		PAS			2.5 PAS				
1976 18	16:18: 1.46						36.367	117.867		D		8.00*		PAS			2.0 PAS				
1976 21	15:57:59.46			SIZ	0.42	18	37.120	115.879				1.00*		RYN							
1976 21	21: 4:54.90			SIZ		7	37.210	116.270						ISC							
1976 22	15:13: 7.34						36.242	117.922		D		1.25		PAS			2.8 PAS				
1976 22	16:49:53.99						36.316	117.839		D		1.22		PAS			2.2 PAS				
1976 25	4:50:40.10			SIZ	0.68	13	37.177	116.359						RYN				2.5 RYN			
1976 27	18:16:55.00				0.21	12	37.693	117.614				15.60		RYN				1.9 RYN			
1976 27	20:30:18.20				0.20	14	37.679	117.617		C		11.66		RYN							
1976 27	20:33:16.20				0.25	10	37.690	117.612				12.90		RYN				1.3 RYN			
1976 27	21: 2:11.40				0.12	8	37.679	117.611				19.30		RYN				1.5 RYN			
1976 27	21: 9:48.40				0.13	7	37.698	117.611				22.10		RYN				1.5 RYN			
1976 27	21:40:20.80				0.29	9	37.679	117.616						RYN				1.8 RYN			
1976 27	23: 3:43.30				0.34	19	37.699	117.611						RYN				2.5 RYN			
1976 28	2:33: 1.10				0.28	13	37.696	117.613				11.90		RYN				2.1 RYN			
1976 28	19:13:30.10				0.36	10	37.618	117.634		D		19.07		RYN				3.1 RYN			
1976 28	20:14:26.00			CPDX		11	37.100	116.036						PDX					3.5 PDX		
1976 28	20:29:26.00			CPDX		25	37.100	116.036						PDX			4.5 PDX			4.4 PDX	
1977 JAN 6	7:54:39.60				0.42	13	36.794	115.802				6.30		RYN				3.8 RYN			
1977 16	22:28:23.80					7	36.410	117.810						BRK	4	3.9 BRP	4.1 BRK				
1977 22	10:44:57.64					3	35.686	117.821		C		12.98		PAS	3	3.1 BRP	3.1 PAS				
1977 26	14:51: 1.01						35.762	117.714		D		5.65		PAS			2.6 PAS				
1977 9	4: 8:38.20				0.18	6	36.494	117.833		D		10.84		RYN				1.4 RYN			
1977 14	2:10: 2.54					14	35.818	117.598		D		8.00*		PAS							
1977 14	8:48:35.10					3	35.752	117.699		C		8.00*		PAS			3.0 PAS				
1977 14	13:58:40.30						35.720	117.700		X		3.00*		BRP	5	3.2 BRP	3.2 PDX				
1977 14	19: 3:47.22					4	35.692	117.754		C		12.44		PAS			2.5 PAS				
1977 16	17:53: 0.20			SIZ			37.000	116.040		X		5.00*		BRP	5	4.1 BRP	4.1 PDX				
1977 1	19:11:25.60				0.13	14	36.306	117.877		C		8.70		RYN				3.2 RYN			
1977 4	13:20:10.03					4	35.690	117.726		C		13.19		PAS			2.7 PAS				
1977 5	8:44:43.37					4	35.706	117.712		C		5.53		PAS			2.8 PAS				
1977 6	16:46: 6.35					3	35.665	117.728		C		8.00*		PAS			2.5 PAS				
1977 7	21:52:24.00						35.730	117.700		X		12.00*		BRP	5	3.0 BRP	3.0 PAS				
1977 7	22: 8:13.45					3	35.779	117.718		C		8.00*		PAS							
1977 7	23:21:30.80					4	35.696	117.721		C		5.95		PAS	3	3.2 BRP	3.0 PAS				
1977 8	0: 0:54.32					3	35.702	117.690		C		8.00*		PAS			2.1 PAS				
1977 8	14:24: 1.90			SIZ			37.240	116.260		X		5.00*		BRP	3	2.1 BRP	3.2 PDX				
1977 8	15:52: 1.30					3	35.667	117.727		C		8.00*		PAS			2.9 PAS				
1977 14	1:17:41.84					3	35.755	117.699		C		8.00*		PAS			2.7 PAS				
1977 19	10:37:49.70						35.700	117.720		X		2.00*		BRP	3	3.0 BRP	3.0 PDX				
1977 19	11:21:12.02					4	35.694	117.720		C		8.00*		PAS			2.6 PAS				
1977 20	4:56:22					4	35.713	117.714		C		6.19		PAS			2.3 PAS				
1977 21	7:46:52.20				0.26	8	37.167	117.661						RYN				2.3 RYN			
1977 30	20:39:29.10				0.38	13	38.099	116.756						RYN				2.3 RYN			
1977 APR 5	16:57: 6.30			CPDX		26	37.120	116.062						PDX			4.4 PDX			4.6 PDX	

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER					INTENSITY		MAGNITUDE										
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	OTH
1977 APR 8	6:45:34.80			SIZ	0.40	15	37.266	116.354						RYN						
1977 13	10:29:1.48					3	35.642	117.895		C		8.00*		PAS				3.4 RYN		
1977 13	16:18:11.75					4	35.773	117.703		C		8.15		PAS			2.6 PAS			
1977 19	23:54:37.30				0.09	7	38.263	117.877		D		2.28		RYN						
1977 27	22:32:26.00				0.56	7	37.997	117.970		D		4.95		RYN				1.5 RYN		
1977 JUN 5	14: 8:31.90					5	36.540	116.410						BRK	4	BRP	3.7 BRP	3.7 BRK		
1977 9	1:15:24.00				0.16	9	38.454	117.864		C		12.34		RYN				1.3 RYN		
1977 14	4:37:2.90					8	37.117	117.908				5.00*		PDX			3.1 PDX			
1977 27	2:34:30.00					9	37.390	115.410						ISC						
1977 JUL 1	11:23:15.93						35.708	117.615		D		5.71		PAS			1.9 PAS			
1977 2	1:40:2.20			SIZ	0.09	8	37.247	116.075				1.00*		RYN						
1977 8	17: 1: 2.10						35.988	117.828		D		5.12		PAS			2.3 PAS			
1977 8	17:38:24.77						35.981	117.836		D		5.19		PAS			2.6 PAS			
1977 11	6:13:46.34						35.725	116.460		D		5.04		PAS			3.8 PAS			
1977 11	11:42: 8.75						35.861	116.525		D		3.38		PAS			3.4 PAS			
1977 21	16: 6:22.10						37.230	114.970		X		7.00*		BRP	3	BRP	3.3 PDX			
1977 21	16: 7: 2.54						36.005	117.835		D		5.00*		PAS			3.3 PAS			
1977 22	5:11: 3.24						36.343	117.017		D				PAS			2.7 PAS			
1977 28	14: 7: 0.20			SIZ			37.110	116.080		X		5.00*		BRP	4	BRP	3.7 PDX			
1977 7	0:24:31.00				0.10	9	37.504	117.743		C		14.30		RYN				1.5 RYN		
1977 7	0:25:54.40				0.59	7	38.485	117.920		D		5.50		RYN				1.2 RYN		
1977 7	0:27:12.00				0.07	9	37.489	117.742		D		6.18		RYN				1.6 RYN		
1977 7	4:29:28.50				0.09	10	37.493	117.742		C		6.64		RYN				2.3 RYN		
1977 7	4:40:28.10				0.54	7	37.562	117.831		D		28.19		RYN				1.6 RYN		
1977 8	4:51:41.60				0.07	9	37.568	117.756		C		9.25		RYN			4.2 BRK	4.2 RYN		
1977 8	5: 0:13.10				0.04	6	37.514	117.722		C		13.71		RYN						
1977 8	5: 0:35.80				0.36	5	37.693	117.572		D		26.95		RYN				1.2 RYN		
1977 8	5:41: 4.80				0.10	10	37.485	117.748		C		7.26		RYN				2.3 RYN		
1977 8	23:24:21.60				0.05	5	37.428	117.585		D		3.04		RYN						
1977 15	1: 0:12.90				0.04	6	37.493	117.717		C		3.53		RYN				1.4 RYN		
1977 16	14:40:59.60			SIZ	0.74	16	37.031	115.944				1.00*		RYN	4	BRP	3.5 PDX			
1977 16	15:48:59.40			SIZ	0.46	13	37.052	115.949				1.00*		RYN	5	BRP	4.0 BRP	4.0 PDX		
1977 17	19:59:58.09						35.663	117.044		D		2.62		PAS			2.3 PAS			
1977 19	17:32: 0.10			SIZ			37.040	116.010		X		5.00*		BRP	4	BRP	3.5 PDX			
1977 21	6:40:31.80				0.16	7	37.511	117.737						RYN				1.3 RYN		
1977 21	8: 6:10.90				0.20	10	37.526	117.756						RYN				1.9 RYN		
1977 21	19:31:36.80				0.08	7	37.538	117.681						RYN				0.6 RYN		
1977 21	20: 4: 9.50				0.26	9	37.509	117.739						RYN				1.8 RYN		
1977 21	20: 5:40.90				0.27	9	37.089	117.271				5.70		RYN				2.6 RYN		
1977 22	22:46:36.70				0.13	7	37.499	117.737						RYN				1.5 RYN		
1977 30	2: 5:25.50				0.12	8	37.503	117.721						RYN				2.1 RYN		
1977 31	12:24:11.00				0.22	9	38.439	117.837		B		22.50		RYN				1.8 RYN		
1977 31	16: 5:40.90				0.17	8	37.504	117.742						RYN				2.3 RYN		
1977 12	13:59:22.28						35.625	117.525		C		4.28		PAS	3	BRP	3.1 BRP	3.0 PAS		
1977 OCT 7	9: 7:49.60				0.35	8	37.520	117.741						RYN				1.9 RYN		
1977 10	21:35:41.30				0.15	8	37.139	117.833						PAS			3.3 BRK	3.0 RYN		
1977 10	21:36: 8.29						35.675	116.445		D		4.89		PAS						
1977 11	0: 3:26.55						35.983	117.825		D		4.44		PAS			2.3 PAS			

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE											
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	mb	OTH
1977 OCT 11	11:28:45.70						36.495	117.926		D		5.00*		PAS			2.7 PAS			
1977 12	16:42: 6.62						35.753	117.568		D		5.36		PAS			2.5 PAS			
1977 26	6: 5:38.66						36.163	117.876		D		5.00*		PAS			2.2 PAS			
1977 NOV 5	19:25:14.91						36.391	117.143		D		4.51		PAS						
1977 10	2:35:24.13						36.098	117.908		D		4.73		PAS	4	BRP	3.6 BRP	3.6 PAS		
1977 11	6:27:27.88						36.050	117.928		D		5.00*		PAS			2.4 PAS			
1977 12	1:41:30.54						36.033	117.817		D		5.36		PAS			2.7 PAS			
1977 13	18:44:45.50				0.59	15	37.326	115.187				14.50		RYN				3.5 RYN		
1977 16	12:53:23.10				0.27	8	37.320	115.181						RYN	3	BRP	3.0 PDX			
1977 17	0:35:23.87						36.035	117.797		D		4.82		PAS	3	BRP	3.0 PAS			
1977 17	20:39:24.70			CPDX		11	37.021	116.025						PDX			3.4 PDX		3.8 PDX	
1977 24	3:51:36.85						35.824	117.743		D		4.99		PAS			2.4 PAS			
1977 DEC 5	0: 9:45.70						37.890	114.670		X		5.00*		BRP	3	BRP	3.2 PDX			
1977 7	23:27:34.18						36.009	117.924		D		4.93		PAS			2.7 PAS			
1977 8	3:36:25.11						36.029	117.882		D		5.00*		PAS	3	BRP	3.0 BRP			
1977 9	2:27:26.33						36.041	117.424		D		4.89		PAS			2.6 PAS			
1977 12	13:20: 2.58						36.033	117.424		D		5.46		PAS	3	BRP	3.0 PAS			
1977 14	15: 0: 0.00			SIZ		7	37.033	115.956				5.00*		PDX			3.4 PDX			
1977 14	16: 2:20.10				0.35	5	38.220	116.654						RYN				1.8 RYN		
1977 16	16:52:36.30				0.42	9	38.029	114.613						RYN				3.5 RYN		
1977 20	15:46:32.38						36.195	117.952		D		5.24		PAS			2.7 PAS			
1977 21	12:22:42.60				0.17	7	37.252	117.577		D		5.07		RYN			2.6 PAS			
1977 23	2:35:12.78						36.147	117.930		D		4.10		PAS						
1978 JAN 3	23:32:31.72					7	37.177	117.742		D				PAS						
1978 4	19: 5:38.24					7	35.856	117.627		D		6.00*		PAS			1.9 PAS			
1978 5	10:52:21.20					51	36.255	117.928		D		1.98		PAS			3.5 PAS			
1978 7	8:18: 3.20					12	36.263	117.900		D		4.96		PAS						
1978 7	17: 6:13.81					11	36.234	117.970		D		5.00*		PAS			2.0 PAS			
1978 8	1:48:36.46					18	36.248	117.918		C		5.06		PAS			2.3 PAS			
1978 8	4: 6:34.90					10	36.231	117.936		D		5.05		PAS						
1978 8	9: 1:41.29					10	36.233	117.965		D		3.00*		PAS						
1978 8	21:50:58.44					22	36.237	117.911		D		4.10		PAS			2.6 PAS			
1978 9	4:55:52.46					18	36.237	117.930		D		3.50		PAS			2.6 PAS			
1978 10	12:41:35.50					16	36.231	117.974		C		3.01		PAS			2.4 PAS			
1978 18	6:37: 3.70				0.27	8	37.628	117.851				12.60		RYN						
1978 18	8:53:32.50				0.27	10	37.577	117.846				7.50		RYN			3.4 PAS			3.7 PDX
1978 18	15:27: 6.34					24	35.709	117.452		C		6.11		PAS			2.3 PAS			
1978 20	15:17:42.06					10	36.238	117.965		D		6.00*		PAS			2.0 PAS			
1978 28	2:53: 7.17					33	35.741	117.556		B		5.37		PAS						
1978 29	1:55:50.40				0.22	10	37.147	117.871				5.20		RYN				2.9 RYN		
1978 FEB 4	3:19:40.77					18	36.163	117.825		C		4.67		PAS						
1978 7	8:36:58.84					12	36.821	117.747		C		6.00*		PAS						
1978 10	13:43:34.79					7	37.696	117.815		D		5.09		PAS						
1978 17	10:13:45.58					39	35.733	115.907		D		6.00*		PAS			2.6 PAS			
1978 21	19:18:38.29					12	36.001	117.726		D		5.89		PAS						
1978 22	13:51: 0.90					13	35.947	117.703		D		5.95		PAS			2.4 PAS			
1978 24	0: 9: 5.10			CSNL		12	37.044	115.871				41.00*		ISC						
1978 26	11:15: 8.35					18	36.051	117.726		C		5.69		PAS			2.3 PAS			

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME		HYPOCENTER				INTENSITY		MAGNITUDE												
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	MS	ML	MD	MB	OTH	REF
1978 FEB 26	14:	2:	19.65			16	36.050	117.728		D		5.83		PAS							
1978 FEB 28	16:	43:	45.21			9	36.287	117.430		D		6.00*		PAS							
1978 MAR 3	17:	59:	48.59			12	36.078	117.635		D		5.53		PAS							
1978 MAR 3	18:	0:	16.11			6	36.070	117.624		D		5.31		PAS							
1978 MAR 3	18:	1:	8.64			16	36.082	117.625		D		4.92		PAS							
1978 MAR 3	18:	4:	19.19			7	36.071	117.607		D		4.92		PAS							
1978 MAR 3	18:	37:	23.27			25	36.085	117.621		C		6.03		PAS			2.5 PAS				
1978 MAR 6	13:	41:	57.52			16	36.096	117.636		D		6.57		PAS							
1978 MAR 6	23:	50:	23.93			17	36.001	117.865		D		1.11		PAS							
1978 MAR 7	5:	33:	17.37			17	36.064	117.814		D		5.07		PAS							
1978 MAR 7	5:	35:	29.73			21	36.090	117.832		C		4.92		PAS			2.7 PAS				
1978 MAR 7	15:	28:	32.40			50	36.104	117.606		C		6.58		PAS			3.4 PAS				
1978 MAR 7	15:	54:	34.96			11	36.104	117.588		D		4.92		PAS							
1978 MAR 8	16:	59:	16.87			12	36.077	117.636		D		6.00*		PAS							
1978 MAR 8	1:	20:	14.40			12	36.079	117.644		D		6.01		PAS							
1978 MAR 8	23:	7:	18.76			9	36.052	117.804		D		6.00*		PAS			1.7 PAS				
1978 MAR 9	1:	45:	41.49			11	36.047	117.618		D		6.00*		PAS							
1978 MAR 11	8:	35:	22.17			9	35.914	117.766		D		6.00*		PAS			1.3 PAS				
1978 MAR 11	16:	41:	29.12			19	36.395	117.949		C		3.67		PAS			2.2 PAS				
1978 MAR 14	8:	7:	26.85			9	36.440	117.912		D		6.06		PAS			1.8 PAS				
1978 MAR 16	14:	59:	59.60	SIZ		16	37.100	116.057		D		2.00*		PDX			4.4 PDX				
1978 MAR 19	6:	14:	59.09			8	35.850	117.804		D		3.97		PAS			2.1 PAS				
1978 MAR 19	8:	32:	22.38			21	36.119	117.886		C		6.02		PAS			2.6 PAS				
1978 MAR 19	22:	31:	39.18			18	36.124	117.870		C		5.13		PAS			2.1 PAS				
1978 MAR 20	0:	7:	55.12			45	36.133	117.870		D		3.28		PAS			3.0 PAS				
1978 MAR 20	3:	34:	50.53			12	35.959	117.984		D		5.08		PAS			2.0 PAS				
1978 MAR 24	2:	47:	15.30			11	38.426	117.843		B		15.97		RN			2.8 RN				
1978 MAR 26	10:	56:	23.20		0.15	8	36.907	117.461		D		7.60		RN			2.4 PAS				
1978 MAR 26	10:	59:	36.98			11	36.918	117.440		D		5.07		PAS			3.1 PAS				
1978 MAR 27	4:	29:	19.90		0.26	5	37.139	117.853						RN			2.9 RN				
1978 MAR 28	16:	41:	47.80			28	36.217	117.950		B		1.96		PAS			2.7 PAS				
1978 MAR 28	18:	57:	37.77			5	36.218	117.950		D		5.00*		PAS			1.8 PAS				
1978 MAR 30	7:	51:	31.71			22	36.228	117.904		C		5.70		PAS			2.1 PAS				
1978 MAR 30	8:	39:	50.14			12	36.075	117.825		D		4.92		PAS			1.5 PAS				
1978 MAR 31	11:	7:	28.13			16	36.032	117.810		C		5.59		PAS			1.5 PAS				
1978 APR 2	13:	12:	6.19			35	36.229	117.905		B		2.85		PAS			2.5 PAS				
1978 APR 3	18:	43:	59.83			10	36.008	116.929		D		2.91		PAS			2.0 PAS				
1978 APR 4	11:	44:	15.37			15	36.230	117.948		D		3.97		PAS			2.0 PAS				
1978 APR 5	6:	22:	57.21			13	36.431	117.868		D		4.92		PAS			2.1 PAS				
1978 APR 10	5:	17:	5.16			23	35.636	117.419		C		4.92		PAS			2.3 PAS				
1978 APR 12	1:	41:	22.87	CSNL		13	37.180	116.262		D		4.36		PAS			2.9 PAS				
1978 APR 12	2:	28:	6.05	CSNL		8	37.239	116.153		D		3.52		PAS			2.8 PAS				
1978 APR 12	3:	46:	56.12			10	36.008	116.929		D		2.91		PAS			2.0 PAS				
1978 APR 12	13:	15:	47.30			15	36.230	117.948		D		3.97		PAS			2.0 PAS				
1978 APR 20	13:	18:	44.50			3	35.800	114.900		D		10.00*		PDX			1.9 PDX				
1978 APR 20	13:	18:	44.50			3	35.800	114.900		D		10.00*		PDX			1.9 PDX				
1978 MAY 6	6:	17:	13.99			14	35.873	117.804		D		4.92		PAS			2.4 PAS				
1978 MAY 14	20:	12:	1.11			20	35.997	117.931		C		1.36		PAS			2.6 PAS				
1978 MAY 18	22:	16:	9.82			13	35.958	117.904		D		0.61		PAS			2.2 PAS				

SCB HISTORICAL HYPOCENTER SUMMARY 1868-1978

DATE (UTC)	ORIGIN TIME			HYPOCENTER							INTENSITY		MAGNITUDE													
	HR	MIN	SEC	FLAG	RMS	NO	LATITUDE	LONGITUDE	ERH	Q	GAP	DEPTH	ERZ	REF	I	REF	MS	REF	ML	REF	MD	REF	mb	REF	OTH	REF
1978 MAY 27	16:29	23	87			9	36.399	116.217		D		9.96		PAS												
1978 MAY 31	11:14	40	73			34	36.004	117.020		D		5.95		PAS					2.7	PAS						
1978 JUN 1	17:0	3	70	SIZ	0.10	6	37.252	116.088				1.00*		RYN					3.4	PDX	4.2	RYN				
1978 JUN 7	18:44	5	48			12	35.892	117.374		D		1.41		PAS					1.9	PAS						
1978 JUN 8	23:48	51	99			54	35.875	117.365		D		7.95		PAS					3.4	PAS						
1978 JUN 10	10:51	51	74			21	36.428	117.561		D		4.92		PAS					2.5	PAS						
1978 JUN 17	22:31	24	19			46	35.821	116.524		D		6.08		RYN					2.8	PAS						
1978 JUN 19	6:17	14	30		0.53	8	38.493	115.259						PAS							2.3	RYN				
1978 JUN 23	18:28	42	78			9	35.895	117.727		D		5.10		PAS					1.9	PAS						
1978 JUN 26	8:17	32	26			18	35.798	117.726		D		5.27		PAS					2.3	PAS						
1978 JUN 30	2:47	34	72			23	36.333	117.952		D		5.00*		PAS					2.6	PAS						
1978 JUL 3	23:3	50	90			16	36.072	117.860		D		3.00*		PAS					2.3	PAS						
1978 JUL 4	19:46	6	89			16	35.917	117.959		D		6.00*		PAS					2.1	PAS						
1978 JUL 5	15:31	59	85			19	36.098	117.824		D		5.12		PAS					2.3	PAS						
1978 JUL 7	13:59	59	30	SIZ		26	37.100	116.010				2.00*		PDX					4.3	PDX			4.0	PDX		
1978 JUL 13	13:56	30	84			8	35.903	117.367		D		4.66		PAS					2.4	PAS						
1978 JUL 20	17:10	47	40		0.14	7	38.434	117.858		C		14.64		RYN							1.4	RYN				
1978 JUL 20	22:56	48	50			7	36.017	117.730		D		9.19		PAS												
1978 JUL 20	23:14	30	26			4	35.794	117.649		D		4.86		PAS												
1978 JUL 20	23:25	58	11			39	35.890	117.755		D		4.88		PAS					2.8	PAS						
1978 JUL 22	7:15	39	88			4	35.858	117.738		D		5.05		PAS					1.7	PAS						
1978 JUL 23	17:56	11	91			8	35.710	116.630		D		5.11		PAS					2.3	PAS						
1978 JUL 27	2:36	54	04			6	35.984	117.970		D		5.68		PAS												
1978 JUL 29	7:53	16	57			8	36.028	117.854		D		4.00*		PAS					1.8	PAS						
1978 JUL 29	22:32	8	10			40	38.389	115.229				5.00*		ISC					4.2	ISC			3.9	ISC		

APPENDIX C

**List of the announced nuclear tests at NTS
19 November 1951 to 31 July 1978**

Format description of the announced nuclear tests

Heading	Columns	Description
NAME	01-18	Event name assigned to the nuclear test.
DATE	21-24 (year) 26-27 (month) 29-30 (day)	The year, month, and day of the test detonation in Coordinated Universal Time (UTC).
TIME	32-33 (hour) 35-36 (minutes) 38-42 (seconds)	The time in UTC of the test detonation. Zero entries for the hour, minute, and second indicate the time of detonation is unknown.
LATITUDE	46-51	Latitude of the test location in degrees. A dash indicates the coordinate is unknown.
LONGITUDE	55-61	West longitude coordinate of the test location in degrees. A dash indicates the coordinate is unknown.
REF	64-66	Code identifying the primary source of the test location (see table 1 for source code).
TYPE	102-109	Description referring to the method of deployment of the nuclear device. A dash indicates the type is unknown. Explanation of these descriptions are:
	Balloon	A nuclear device suspended from a balloon and exploded in the atmosphere.
	Crater	A nuclear device placed shallow enough underground to produce a throw-out of earth when exploded.
	Shaft	A nuclear device exploded at the bottom of drilled or mined vertical hole.
	Surface	A nuclear device placed on or close to the earth's surface.
	Tower	A nuclear device mounted at the top of a steel or wooden tower and exploded in the atmosphere.
	Tunnel	A nuclear device exploded at the end of a long horizontal drift mined into a mountain or mesa in a way that places the burst point deep within the earth.

Format description of the announced nuclear tests— Continued

Heading	Columns	Description
YIELD	111-123	The total effective energy released in a nuclear explosion. It is usually expressed in terms of equivalent tonnage of TNT required to produce the same energy release in an explosion. NO YIELD means no yield information was released. A dash indicates the yield is not known. KT is the abbreviation for kiloton.
Magnitudes: (see table 1 for source codes)		
M_S	69-71	Surface wave magnitude.
REF	73-75	Source code for the M_S magnitude.
M_L	77-79	Local magnitude (Wood-Anderson).
REF	81-83	Source code for the M_L magnitude.
m_b	85-87	Body wave magnitude.
REF	89-91	Source code for the m_b magnitude.
OTH	93-95	Other magnitudes or magnitudes of an unidentified type.
REF	97-99	Source code for other magnitudes.

ANNOUNCED NUCLEAR TESTS AT NTS 1951-1978

EVENT NAME	DATE (UTC)						ORIGIN TIME			LOCATION		MAGNITUDE					DESCRIPTION		
	YEAR	MT	DY	HR	MIN	SEC	LATITUDE	LONGITUDE	REF	MS	REF	ML	REF	MB	REF	OTH	REF	TYPE	YIELD
ABLE SUGAR UNCLE EASY FOX GEORGE	1951	10	22	14:	0:	0.00	37.084	116.024	GPS	---	---	---	---	---	---	---	---	TOWER	< 0.1KT
	1951	11	19	16:	59:	59.70	37.132	116.039	GPS	---	---	---	---	---	---	---	---	SURFACE	1.2KT
	1951	11	29	19:	59:	59.70	37.170	116.043	GPS	---	---	---	---	---	---	---	---	CRATER	1.2KT
	1952	5	7	12:	14:	59.30	37.053	116.106	GPS	---	---	---	---	---	---	---	---	TOWER	12KT
	1952	5	25	11:	59:	59.60	37.096	116.106	GPS	---	---	---	---	---	---	---	---	TOWER	11KT
	1952	6	1	11:	54:	59.80	37.048	116.021	GPS	---	---	---	---	---	---	---	---	TOWER	15KT
HOW ANNIE NANCY RUTH RAY BADGER	1952	6	5	11:	55:	0.30	37.139	116.118	GPS	---	---	---	---	---	---	---	---	TOWER	14KT
	1953	3	17	13:	20:	0.30	37.048	116.021	GPS	---	---	---	---	---	---	---	---	TOWER	16KT
	1953	3	24	13:	10:	0.00	37.096	116.103	GPS	---	---	---	---	---	---	---	---	TOWER	24KT
	1953	3	31	13:	0:	0.00	37.083	116.024	GPS	---	---	---	---	---	---	---	---	TOWER	0.2KT
	1953	4	11	12:	44:	59.80	37.099	116.092	GPS	---	---	---	---	---	---	---	---	TOWER	0.2KT
	1953	4	18	12:	35:	0.00	37.138	116.118	GPS	---	---	---	---	---	---	---	---	TOWER	23KT
SIMON HARRY MOTH TESLA TURK HORNET	1953	4	25	12:	29:	59.80	37.053	116.103	GPS	---	---	---	---	---	---	---	---	TOWER	43KT
	1953	5	19	12:	4:	59.50	37.040	116.025	GPS	---	---	---	---	---	---	---	---	TOWER	32KT
	1955	2	22	13:	45:	0.00	37.048	116.021	GPS	---	---	---	---	---	---	---	---	TOWER	7KT
	1955	3	1	13:	30:	0.30	37.109	116.048	GPS	---	---	---	---	---	---	---	---	TOWER	43KT
	1955	3	7	13:	20:	0.20	37.138	116.118	GPS	---	---	---	---	---	---	---	---	TOWER	4KT
	1955	3	12	13:	19:	59.80	37.040	116.025	GPS	---	---	---	---	---	---	---	---	TOWER	8KT
BEE ESS APPLE-1 POST MET APPLE-2	1955	3	22	13:	4:	59.90	37.095	116.024	GPS	---	---	---	---	---	---	---	---	CRATER	1KT
	1955	3	23	20:	30:	0.00	37.168	116.044	GPS	---	---	---	---	---	---	---	---	TOWER	14KT
	1955	3	29	12:	55:	0.10	37.096	116.103	GPS	---	---	---	---	---	---	---	---	TOWER	2KT
	1955	4	9	12:	30:	0.20	37.122	116.034	GPS	---	---	---	---	---	---	---	---	TOWER	22KT
	1955	4	15	19:	15:	0.30	36.798	115.929	GPS	---	---	---	---	---	---	---	---	TOWER	29KT
	1955	5	5	12:	10:	0.00	36.053	116.103	GPS	---	---	---	---	---	---	---	---	TOWER	28KT
ZUCCHINI PROJECT 56, NO. 1 PROJECT 56, NO. 2 PROJECT 56, NO. 3 PROJECT 56, NO. 4 PROJECT 57, NO. 1	1955	5	15	11:	59:	59.90	37.095	116.024	GPS	---	---	---	---	---	---	---	---	SURFACE	ZERO
	1955	11	1	0:	0:	0.00	---	---	ANT	---	---	---	---	---	---	---	---	SURFACE	ZERO
	1955	11	3	0:	0:	0.00	---	---	ANT	---	---	---	---	---	---	---	---	SURFACE	NO YIELD
	1955	11	5	0:	0:	0.00	---	---	---	---	---	---	---	---	---	---	---	SURFACE	VERY SLIGHT
	1956	1	18	21:	30:	0.00	---	---	ZAK	---	---	---	---	---	---	---	---	SURFACE	ZERO
	1957	4	24	0:	0:	0.00	---	---	ANT	---	---	---	---	---	---	---	---	SURFACE	ZERO
BOLTZMAN FRANKLIN LASSEN WILSON PRISCILLA COULOMB-A	1957	5	28	11:	55:	0.20	37.095	116.024	GPS	---	---	---	---	---	---	---	---	TOWER	12KT
	1957	6	2	11:	54:	59.90	37.048	116.021	GPS	---	---	---	---	---	---	---	---	TOWER	140 TONS
	1957	6	5	11:	45:	0.30	37.135	116.041	GPS	---	---	---	---	---	---	---	---	BALLOON	0.5 TONS
	1957	6	18	11:	45:	0.30	37.135	116.041	GPS	---	---	---	---	---	---	---	---	BALLOON	10KT
	1957	6	24	13:	30:	0.10	37.798	115.929	GPS	---	---	---	---	---	---	---	---	BALLOON	37KT
	1957	7	1	0:	0:	0.00	---	---	ANT	---	---	---	---	---	---	---	---	SURFACE	ZERO
HOOD DIABLO KEPLER OWENS PASCAL-A STOKES	1957	7	5	11:	40:	0.10	37.135	116.041	GPS	---	---	---	---	---	---	---	---	BALLOON	74KT
	1957	7	15	11:	30:	0.10	37.150	116.109	GPS	---	---	---	---	---	---	---	---	TOWER	17KT
	1957	7	24	11:	49:	59.90	37.083	116.100	GPS	---	---	---	---	---	---	---	---	TOWER	10KT
	1957	7	25	13:	29:	59.70	37.135	116.041	GPS	---	---	---	---	---	---	---	---	BALLOON	9.7KT
	1957	7	26	8:	0:	0.00	37.052	116.033	LLL	---	---	---	---	---	---	---	---	SHAFT	SLIGHT
	1957	8	7	12:	25:	0.20	37.087	116.024	GPS	---	---	---	---	---	---	---	---	BALLOON	19KT
SATURN SHASTA DOPPLER PASCAL-B FRANKLIN PRIME SMOKEY	1957	8	10	0:	59:	55.10	37.194	116.033	GPS	---	---	---	---	---	---	---	---	TUNNEL	ZERO
	1957	8	18	12:	0:	0.00	37.128	116.106	GPS	---	---	---	---	---	---	---	---	TOWER	17KT
	1957	8	23	12:	30:	0.10	37.087	116.024	GPS	---	---	---	---	---	---	---	---	BALLOON	11KT
	1957	8	27	22:	35:	0.00	37.049	116.034	LLL	---	---	---	---	---	---	---	---	SHAFT	---
	1957	8	30	12:	39:	59.90	37.087	116.024	GPS	---	---	---	---	---	---	---	---	BALLOON	4.7KT
	1957	8	31	12:	30:	0.00	37.187	116.068	GPS	---	---	---	---	---	---	---	---	TOWER	44KT

ANNOUNCED NUCLEAR TESTS AT NTS 1951-1978

EVENT NAME	DATE (UTC)						ORIGIN TIME			LOCATION		MAGNITUDE					DESCRIPTION	
	YEAR	MT	DY	HR	MIN	SEC	LATITUDE	LONGITUDE	REF	MS REF	ML REF	MB REF	OTH REF	TYPE	YIELD			
GALILEO WHEELER COULOMB-B LAPLACE FIZEAU NEWTON	1957	9	2	12:40:	0.00		37.053	116.103	GPS	---	---	---	---	TOWER	11KT			
	1957	9	6	12:45:	0.00		37.135	116.041	GPS	---	---	---	---	BALLOON	197 TONS			
	1957	9	6	20:5:	0.60				GPS	---	---	---	---	SURFACE	0.3KT			
	1957	9	8	12:59:59.80			37.087	116.024	GPS	---	---	---	---	BALLOON	1KT			
	1957	9	14	16:44:59.80			37.034	116.031	GPS	---	---	---	---	TOWER	11KT			
RAINIER WHITNEY CHARLESTON MORGAN PASCAL-C COULOMB-C	1957	9	16	12:49:59.90			37.087	116.024	GPS	---	---	---	---	BALLOON	12KT			
	1957	9	19	16:59:59.50			37.196	116.203	GPS	---	---	---	---	TUNNEL	1.7KT			
	1957	9	23	12:29:59.80			37.138	116.118	GPS	---	---	---	---	TOWER	19KT			
	1957	9	28	12:59:59.90			37.135	116.041	GPS	---	---	---	---	BALLOON	12KT			
	1957	10	7	13:0:0.00			37.135	116.041	GPS	---	---	---	---	BALLOON	8KT			
MORGAN PASCAL-C COULOMB-C	1957	12	6	20:15:0.00			37.050	116.031	LLL	---	---	---	---	SHAFT	SLIGHT			
	1957	12	9	20:0:0.00			---	---	ZAK	---	---	---	---	SURFACE	0.5KT			
VENUS URANUS OTERO BERNALILLO EDDY LUNA	1958	2	22	0:0:0.00			---	---	LLL	---	---	---	---	TUNNEL	< 1 TON			
	1958	3	14	0:0:0.00			---	---	LLL	---	---	---	---	TUNNEL	< 1 TON			
	1958	9	12	20:0:0.20			37.050	116.032	GPS	---	---	---	---	SHAFT	38 TONS			
	1958	9	17	19:30:0.20			37.049	116.033	GPS	---	---	---	---	SHAFT	15 TONS			
	1958	9	19	14:0:0.20			37.087	116.024	GPS	---	---	---	---	BALLOON	83 TONS			
MERCURY VALENCIA MARS MORA HIDALGO COLFAX	1958	9	21	19:0:0.20			37.049	116.034	GPS	---	---	---	---	SHAFT	1.5 TONS			
	1958	9	23	0:0:0.00			---	---	LLL	---	---	---	---	TUNNEL	SLIGHT			
	1958	9	26	20:0:0.20			37.050	116.030	GPS	---	---	---	---	SHAFT	2 TONS			
	1958	9	28	0:0:0.20			37.193	116.200	GPS	---	---	---	---	TUNNEL	13 TONS			
	1958	9	29	14:5:0.10			37.087	116.024	GPS	---	---	---	---	BALLOON	2KT			
TAMALPIAS QUAY LEA NEPTUNE HAMILTON LOGAN	1958	10	5	14:10:0.10			37.087	116.024	GPS	---	---	---	---	BALLOON	77 TONS			
	1958	10	5	16:15:0.20			37.049	116.034	GPS	---	---	---	---	SHAFT	5.5 TONS			
	1958	10	8	22:0:0.10			37.195	116.200	GPS	---	---	---	---	TUNNEL	72 TONS			
	1958	10	10	14:30:0.10			37.095	116.024	GPS	---	---	---	---	TOWER	79 TONS			
	1958	10	13	13:20:0.10			37.087	116.024	GPS	---	---	---	---	BALLOON	1.4KT			
DONA ANA VESTA RIO ARRIBA SAN JUAN SOCORRO WRANGELL	1958	10	14	18:0:0.20			37.194	116.200	GPS	---	---	---	---	TUNNEL	115 TONS			
	1958	10	15	16:0:0.20			36.802	115.932	GPS	---	---	---	---	TOWER	1.2 TONS			
	1958	10	16	6:0:0.10			37.184	116.201	GPS	---	---	---	---	TUNNEL	5KT			
	1958	10	16	14:20:0.10			37.087	116.024	GPS	---	---	---	---	BALLOON	37 TONS			
	1958	10	17	23:0:0.20			37.123	116.035	GPS	---	---	---	---	SURFACE	24 TONS			
RUSHMORE OBERON CATRON JUNO CERES SANFORD	1958	10	18	14:25:0.10			37.041	116.026	GPS	---	---	---	---	TOWER	90 TONS			
	1958	10	20	14:30:0.00			37.050	116.033	LLL	---	---	---	---	SHAFT	ZERO			
	1958	10	22	13:30:0.20			37.087	116.024	GPS	---	---	---	---	BALLOON	6KT			
	1958	10	22	16:50:0.10			36.798	115.929	GPS	---	---	---	---	BALLOON	115 TONS			
	1958	10	22	23:40:0.10			37.135	116.041	GPS	---	---	---	---	BALLOON	188 TONS			
DE BACA CHAVEZ EVANS HUMBOLDT MAZAMA SANTA FE	1958	10	22	0:0:0.00			---	---	ANT	---	---	---	---	TOWER	ZERO			
	1958	10	24	15:0:0.20			37.043	116.027	GPS	---	---	---	---	TOWER	21 TONS			
	1958	10	24	16:1:0.20			37.123	116.038	GPS	---	---	---	---	SURFACE	1.7 TONS			
	1958	10	26	4:0:0.20			37.181	116.069	GPS	---	---	---	---	TOWER	0.7 TONS			
	1958	10	26	10:20:0.10			36.798	115.929	GPS	---	---	---	---	BALLOON	4.9KT			
RUSHMORE OBERON CATRON JUNO CERES SANFORD	1958	10	26	16:0:0.10			37.087	116.024	GPS	---	---	---	---	BALLOON	115 TONS			
	1958	10	26	16:0:0.10			37.087	116.024	GPS	---	---	---	---	BALLOON	188 TONS			
	1958	10	26	16:0:0.10			37.087	116.024	GPS	---	---	---	---	TOWER	ZERO			
	1958	10	27	14:30:0.20			37.045	116.030	GPS	---	---	---	---	TOWER	21 TONS			
	1958	10	29	0:0:0.20			37.195	116.205	GPS	---	---	---	---	TUNNEL	55 TONS			
DE BACA CHAVEZ EVANS HUMBOLDT MAZAMA SANTA FE	1958	10	29	14:45:0.10			37.048	116.025	GPS	---	---	---	---	TOWER	7.8 TONS			
	1958	10	29	0:0:0.00			---	---	ANT	---	---	---	---	TOWER	ZERO			
	1958	10	30	3:0:0.10			37.087	116.024	GPS	---	---	---	---	TOWER	7.8 TONS			
	1958	10	30	3:0:0.10			37.087	116.024	GPS	---	---	---	---	TOWER	ZERO			
	1958	10	30	3:0:0.10			37.087	116.024	GPS	---	---	---	---	BALLOON	1.3KT			

ANNOUNCED NUCLEAR TESTS AT NTS 1951-1978

EVENT NAME	DATE (UTC)				ORIGIN TIME				LOCATION			MAGNITUDE				DESCRIPTION	
	YEAR		MT DY		HR MN		SEC		LATITUDE	LONGITUDE	REF	MS REF	ML REF	MB REF	OTH REF	TYPE	YIELD
	1958	10	30	15	0	0	0	20									
BLANCA	1958	10	30	0	0	0	0	00	37.186	116.202	GPS	---	---	---	---	TUNNEL	22KT
GANYMEDE	1958	10	30	0	0	0	0	00	---	---	ANT	---	---	---	---	SURFACE	ZERO
TITANIA	1958	10	30	20	34	0	20	---	37.177	116.069	GPS	---	---	---	---	TOWER	0.2 TONS
ANTLER	1961	9	15	17	0	0	00	---	37.188	116.208	SPK	---	---	---	---	TUNNEL	2.6KT
SHREW	1961	9	16	19	45	0	10	---	37.048	116.034	SPK	---	---	---	---	SHAFT	< 20KT
BOOMER	1961	10	1	22	30	0	10	---	37.048	116.035	LLL	---	---	---	---	SHAFT	< 20KT
CHENA	1961	10	10	18	0	0	10	---	37.194	116.207	SPK	---	---	---	---	TUNNEL	< 20KT
MINK	1961	10	29	18	30	0	10	---	37.048	116.031	SPK	---	---	---	---	SHAFT	< 20KT
FISHER	1961	12	3	23	4	59	60	---	37.045	116.028	SPK	---	---	---	---	SHAFT	13.4KT
MAD	1961	12	13	18	0	0	20	---	37.127	116.048	SPK	---	---	---	---	SHAFT	0.5KT
RINGTAIL	1961	12	17	16	35	0	10	---	37.043	116.026	SPK	---	---	---	---	SHAFT	< 20KT
FEATHER	1961	12	22	16	30	0	10	---	37.195	116.208	SPK	---	---	---	---	TUNNEL	< 20KT
STOAT	1962	1	9	16	30	0	10	---	37.044	116.035	SPK	---	---	---	---	SHAFT	5.1KT
AGOUTI	1962	1	18	18	0	0	10	---	37.047	116.034	SPK	---	---	---	---	SHAFT	6.4KT
DORMOUSE	1962	1	30	18	0	0	10	---	37.047	116.039	SPK	---	---	---	---	SHAFT	< 20KT
STILLWATER	1962	2	8	18	0	0	20	---	37.127	116.052	SPK	---	---	---	---	SHAFT	3.07KT
ARMADILLO	1962	2	9	16	30	0	10	---	37.043	116.038	SPK	---	---	---	---	SHAFT	7.1KT
HARD HAT	1962	2	15	18	0	0	10	---	37.227	116.059	SPK	---	---	---	---	SHAFT	5.7KT
CHINCHILLA	1962	2	19	16	30	0	10	---	37.049	116.029	SPK	---	---	---	---	SHAFT	1.9KT
CODSAW	1962	2	19	17	50	0	20	---	37.127	116.037	SPK	---	---	---	---	SHAFT	< 20KT
CIMARRON	1962	2	23	18	0	0	20	---	37.128	116.048	SPK	---	---	---	---	SHAFT	11.9KT
PLATYPUS	1962	2	24	16	30	0	10	---	37.048	116.032	SPK	---	---	---	---	SHAFT	< 20KT
PAMPAS	1962	3	1	19	10	0	10	---	37.041	116.029	SPK	---	---	---	---	SHAFT	< 20KT
DANNY BOY	1962	3	5	18	15	0	10	---	37.111	116.365	SPK	---	---	---	---	CRATER	0.43KT
ERMINE	1962	3	6	16	30	0	10	---	37.048	116.034	SPK	---	---	---	---	SHAFT	< 20KT
BRAZOS	1962	3	8	18	0	0	20	---	37.122	116.049	SPK	---	---	---	---	SHAFT	8.4KT
HOGNOSE	1962	3	15	16	30	0	10	---	37.044	116.031	SPK	---	---	---	---	SHAFT	< 20KT
HOOSIC	1962	3	28	18	0	0	20	---	37.124	116.034	SPK	---	---	---	---	SHAFT	3.4KT
CHINCHILLA II	1962	3	31	18	0	0	10	---	37.047	116.037	SPK	---	---	---	---	SHAFT	< 20KT
DORMOUSE II	1962	4	5	18	0	0	10	---	37.045	116.023	SPK	---	---	---	---	SHAFT	10.6KT
PASSAIC	1962	4	6	18	0	0	20	---	37.118	116.044	SPK	---	---	---	---	SHAFT	< 20KT
HUDSON	1962	4	12	18	0	0	20	---	37.127	116.045	SPK	---	---	---	---	SHAFT	< 20KT
PLATTE	1962	4	14	18	0	0	10	---	37.222	116.157	SPK	---	---	---	---	TUNNEL	1.85KT
DEAD	1962	4	21	18	40	0	20	---	37.118	116.032	SPK	---	---	---	---	SHAFT	< 20KT
BLACK	1962	4	27	18	0	0	20	---	37.118	116.038	SPK	---	---	---	---	SHAFT	< 20KT
PACA	1962	5	7	19	33	0	10	---	37.047	116.025	SPK	---	---	---	---	SHAFT	< 20KT
ARIKAREE	1962	5	10	15	0	0	20	---	37.128	116.048	LLL	---	---	---	---	SHAFT	< 20KT
AARDVARK	1962	5	12	19	0	0	10	---	37.065	116.030	SPK	---	---	---	---	SHAFT	40KT
EEL	1962	5	19	15	0	0	20	---	37.123	116.047	SPK	---	---	---	---	SHAFT	< 20KT
WHITE	1962	5	25	15	0	0	20	---	37.125	116.052	SPK	---	---	---	---	SHAFT	< 20KT
RACCOON	1962	6	1	17	0	0	10	---	37.045	116.034	SPK	---	---	---	---	SHAFT	< 20KT
PACKRAT	1962	6	6	17	0	0	10	---	37.046	116.039	SPK	---	---	---	---	SHAFT	< 20KT
DES MOINES	1962	6	13	21	0	0	10	---	37.222	116.162	SPK	---	---	---	---	TUNNEL	< 20KT
DAMAN I	1962	6	21	17	0	0	10	---	37.043	116.030	SPK	---	---	---	---	SHAFT	< 20KT
HAYMAKER	1962	6	27	18	0	0	10	---	37.042	116.035	SPK	---	---	---	---	SHAFT	67KT
MARSHMALLOW	1962	6	28	17	0	0	10	---	37.009	116.202	SPK	---	---	---	---	TUNNEL	< 20KT
SACRAMENTO	1962	6	30	21	30	0	20	---	37.117	116.047	SPK	---	---	---	---	SHAFT	< 20KT
SEDAN	1962	7	6	17	0	0	10	---	37.177	116.045	SPK	---	---	---	---	CRATER	104KT

ANNOUNCED NUCLEAR TESTS AT NTS 1951-1978

EVENT NAME	DATE (UTC)				ORIGIN TIME			LOCATION		MAGNITUDE				DESCRIPTION	
	YEAR	MT	DY	HR	MIN	SEC	LATITUDE	LONGITUDE	REF	MS REF	ML REF	MB REF	OTH REF	TYPE	YIELD
LITTLE FELLER II	1962	7	7	19	0	0.10	37.119	116.303	CGS	---	---	---	---	SURFACE	< 20KT
JOHNNIE BOY	1962	7	11	16	45	0.10	37.122	116.333	SPK	---	---	---	---	CRATER	0.5KT
MERRIMAC	1962	7	13	16	0	0.20	37.055	116.033	SPK	---	---	---	---	SHAFT	20 TO 200KT
SMALL BOY	1962	7	14	18	30	0.10	36.800	115.925	PDX	---	---	---	---	TOWER	< 20KT
LITTLE FELLER I	1962	7	17	17	0	0.50	37.109	116.317	CGS	---	---	---	---	SURFACE	< 20KT
WICHITA	1962	7	27	21	0	0.20	37.130	116.056	SPK	---	---	---	---	SHAFT	< 20KT
YORK	1962	8	24	15	0	0.10	37.119	116.039	SPK	---	---	---	---	SHAFT	< 20KT
BOBAC	1962	8	24	17	0	0.10	37.046	116.024	SPK	---	---	---	---	SHAFT	< 20KT
RARITAN	1962	9	6	17	0	0.20	37.130	116.045	LLL	---	---	---	---	SHAFT	< 20KT
HYRAX	1962	9	14	17	10	0.10	37.043	116.021	SPK	---	---	---	---	SHAFT	< 20KT
PEBA	1962	9	20	17	0	0.10	37.055	116.029	SPK	---	---	---	---	SHAFT	< 20KT
ALLEGHENY	1962	9	29	17	0	0.20	37.117	116.033	SPK	---	---	---	---	SHAFT	< 20KT
MISSISSIPPI	1962	10	5	17	0	0.20	37.139	116.050	SPK	---	---	---	---	SHAFT	115KT
ROANOKE	1962	10	12	15	0	0.20	37.122	116.051	SPK	---	---	---	---	SHAFT	< 20KT
WOLVERINE	1962	10	12	17	0	0.10	37.049	116.033	LLL	---	---	---	---	SHAFT	< 20KT
TIOGA	1962	10	18	15	0	0.10	37.129	116.040	LLL	---	---	---	---	SHAFT	< 20KT
BANDICOOT	1962	10	19	18	0	0.10	37.039	116.021	SPK	---	---	---	---	SHAFT	< 20KT
SANTEE	1962	10	27	15	0	0.10	37.149	116.053	SPK	---	---	---	---	SHAFT	< 20KT
ST. LAWRENCE	1962	11	9	18	0	0.20	37.164	116.073	LLL	---	---	---	---	SHAFT	< 20KT
GUNDI	1962	11	15	16	30	0.10	37.041	116.024	LLL	---	---	---	---	SHAFT	< 20KT
ANACOSTIA	1962	11	27	18	0	0.10	37.123	116.028	SPK	---	---	---	---	SHAFT	< 20KT
TAUNTON	1962	12	4	16	0	0.10	37.128	116.050	LLL	---	---	---	---	SHAFT	< 20KT
TENDRAC	1962	12	7	19	0	0.10	37.052	116.030	SPK	---	---	---	---	SHAFT	< 20KT
MADISON	1962	12	12	17	25	0.00	37.169	116.206	SPK	---	---	---	---	TUNNEL	< 20KT
NUMBAT	1962	12	12	18	45	0.10	37.046	116.015	SPK	---	---	---	---	SHAFT	< 20KT
MANATEE	1962	12	14	18	0	0.20	37.124	116.040	LLL	---	---	---	---	SHAFT	< 20KT
CASSELMAN	1963	2	8	16	0	0.20	37.149	116.052	SPK	---	---	---	---	SHAFT	< 20KT
HATCHIE	1963	2	8	16	0	1.20	37.126	116.039	LLL	---	---	---	---	SHAFT	< 20KT
FERRER	1963	2	8	18	30	0.10	37.058	116.029	LLL	---	---	---	---	SHAFT	< 20KT
ACUSHI	1963	2	8	18	30	0.10	37.046	116.021	SPK	---	---	---	---	SHAFT	< 20KT
CHIPMUNK	1963	2	15	17	0	0.10	37.049	116.032	LLL	---	---	---	---	SHAFT	< 20KT
KAWEAH	1963	2	21	19	47	0.10	37.120	116.046	SPK	---	---	---	---	SHAFT	< 20KT
CARMEL	1963	2	21	19	47	8.60	37.155	116.080	SPK	---	---	---	---	SHAFT	< 20KT
JERBOA	1963	3	1	19	0	0.10	37.045	116.026	LLL	---	---	---	---	SHAFT	< 20KT
TOYAH	1963	3	15	16	22	53.10	37.126	116.045	LLL	---	---	---	---	SHAFT	< 20KT
GERBIL	1963	3	29	15	49	0.10	37.042	116.018	SPK	---	---	---	---	SHAFT	< 20KT
FERRER PRIME	1963	4	5	17	52	0.10	37.037	116.024	SPK	---	---	---	---	SHAFT	< 20KT
COYPU	1963	4	10	16	1	30.10	37.049	116.030	LLL	---	---	---	---	SHAFT	< 20KT
CUMBERLAND	1963	4	11	16	3	0.20	37.157	116.071	LLL	---	---	---	---	SHAFT	< 20KT
KOOTANAI	1963	4	24	16	9	30.10	37.121	116.036	LLL	---	---	---	---	SHAFT	< 20KT
PAISANO	1963	4	24	16	9	30.10	37.121	116.036	LLL	---	---	---	---	SHAFT	< 20KT
GUNDI PRIME	1963	5	9	18	19	30.10	37.049	116.016	LLL	---	---	---	---	SHAFT	< 20KT
DOUBLE TRACKS	1963	5	15	0	0	0.00	---	---	ANT	---	---	---	---	SURFACE	ZERO
HARKEE	1963	5	17	14	55	0.10	37.044	116.016	LLL	---	---	---	---	SHAFT	< 20KT
TEJON	1963	5	17	14	55	0.10	37.048	116.032	LLL	---	---	---	---	SHAFT	< 20KT
STONES	1963	5	22	15	40	0.10	37.111	116.039	SPK	---	---	---	---	SHAFT	20 TO 200KT
CLEAN SLATE I	1963	5	25	0	0	0.00	---	---	ANT	---	---	---	---	SURFACE	ZERO
PLEASANT	1963	5	29	15	3	30.20	37.128	116.042	LLL	---	---	---	---	SHAFT	< 20KT

ANNOUNCED NUCLEAR TESTS AT NTS 1951-1978

EVENT NAME	DATE (UTC)						ORIGIN TIME		LOCATION		MAGNITUDE					DESCRIPTION		
	YEAR	MT	DY	HR	MIN	SEC	LATITUDE	LONGITUDE	REF	MS	REF	ML	MB	REF	OTH	REF	TYPE	YIELD
CLEAN SLATE II	1963	5	31	0	0	0.00				ANT							SURFACE	ZERO
	1963	6	5	17	0	0.10	37.196	116.209	SPK								TUNNEL	< 20KT
	1963	6	14	0	0	0.10	37.045	116.036	SPK								SHAFT	< 20KT
	1963	6	6	16	58	0.20	37.125	116.040	LLL								SHAFT	< 20KT
CLEAN SLATE III	1963	6	9	0	0	0.00				ANT							SURFACE	ZERO
	1963	6	14	14	10	0.10	37.046	116.018	SPK								SHAFT	< 20KT
KENNEBEC	1963	6	25	23	0	0.20	37.131	116.068	SPK								SHAFT	< 20KT
	1963	8	12	23	45	0.10	37.042	116.016	SPK								SHAFT	< 20KT
	1963	8	15	13	0	0.20	37.154	116.077	SPK								SHAFT	< 20KT
	1963	8	23	13	20	0.10	37.125	116.035	SPK								SHAFT	< 20KT
	1963	9	13	13	53	0.20	37.163	116.081	SPK								SHAFT	< 20KT
BILBY	1963	9	13	17	0	0.10	37.060	116.022	SPK								SHAFT	249KT
GRUNION	1963	10	11	14	0	0.10	37.037	116.021	SPK								SHAFT	< 20KT
	1963	10	11	21	0	0.20	37.119	116.034	SPK								SHAFT	< 20KT
	1963	10	16	17	0	0.10	37.198	116.230	SPK								SHAFT	20 TO 200KT
	1963	11	14	16	0	0.10	37.040	116.019	SPK								SHAFT	< 20KT
	1963	11	15	15	0	0.20	37.132	116.046	SPK								SHAFT	< 20KT
GREYS	1963	11	22	17	30	0.10	37.119	116.045	SPK								SHAFT	20 TO 200KT
SARDINE	1963	12	4	16	38	30.10	37.039	116.029	SPK								SHAFT	< 20KT
	1963	12	12	16	2	0.10	37.131	116.043	SPK								SHAFT	< 20KT
	1964	1	16	16	0	0.10	37.142	116.048	SPK								SHAFT	20 TO 200KT
	1964	1	23	16	0	0.20	37.126	116.036	SPK								SHAFT	< 20KT
	1964	2	20	15	30	0.10	37.151	116.040	SPK								SHAFT	20 TO 200KT
KLICKITAT	1964	3	13	16	2	0.10	37.050	116.011	SPK								SHAFT	< 20KT
HOOK	1964	4	14	14	40	0.10	37.129	116.030	SPK								SHAFT	< 20KT
	1964	4	15	14	30	0.10	37.044	116.018	SPK								SHAFT	< 20KT
	1964	4	24	20	10	0.20	37.150	116.055	SPK								SHAFT	20 TO 200KT
	1964	4	29	20	47	0.10	37.040	116.027	SPK								SHAFT	< 20KT
	1964	5	14	14	40	0.20	37.117	116.039	SPK								SHAFT	< 20KT
MINNOW	1964	5	15	16	15	0.10	37.042	116.012	SPK								SHAFT	< 20KT
ACE	1964	6	11	16	45	0.20	37.149	116.076	SPK								SHAFT	< 20KT
	1964	6	25	13	30	0.10	37.111	116.029	SPK								SHAFT	< 20KT
	1964	6	30	13	33	0.10	37.174	116.056	SPK								SHAFT	< 20KT
	1964	7	16	13	15	0.20	37.182	116.045	SPK								SHAFT	20 TO 200KT
	1964	7	17	17	18	30.00	37.018	116.030	SPK								SHAFT	< 20KT
CORMORANT	1964	8	19	16	0	0.10	37.159	116.083	SPK								SHAFT	< 20KT
ALVA	1964	8	22	22	17	0.10	37.065	116.015	SPK								SHAFT	< 20KT
CANVASBACK	1964	8	28	17	6	0.00	37.067	116.023	SPK								SHAFT	< 20KT
HADDOCK	1964	9	4	18	15	0.10	37.018	116.023	SPK								SHAFT	< 20KT
GUANAY	1964	10	2	20	3	0.00	37.078	116.008	SPK								SHAFT	< 20KT
AUK	1964	10	9	14	0	0.10	37.151	116.077	SPK								SHAFT	38KT
PAR	1964	10	16	15	59	30.00	37.039	116.016	SPK								SHAFT	< 20KT
BARBEL	1964	10	16	15	59	30.00	37.039	116.016	SPK								SHAFT	< 20KT
FOREST	1964	10	31	17	4	58.60	37.107	116.032	SPK								SHAFT	< 20KT
	1964	11	5	15	0	0.10	37.174	116.067	SPK								SHAFT	12KT
	1964	12	5	21	15	0.10	37.114	116.053	SPK								SHAFT	20 TO 200KT
	1964	12	5	21	15	0.00	37.134	116.070	LLL								SHAFT	3.4KT
	1964	12	16	20	0	0.00	37.035	116.012	SPK								SHAFT	1.3KT
MUDPACK	1964	12	16	20	10	0.10	37.178	116.067	SPK								SHAFT	2.7KT

ANNOUNCED NUCLEAR TESTS AT NTS 1951-1978

EVENT NAME	DATE (UTC)				ORIGIN TIME			LOCATION		MAGNITUDE				DESCRIPTION	
	YEAR	MT	DY	HR	MIN	SEC	LATITUDE	LONGITUDE	REF	MS REF	ML REF	MB REF	OTH REF	TYPE	YIELD
SULKY	1964	12	18	19	35	0.10	37.083	116.342	SPK	---	---	---	---	SHAFT	0.092KT
WOOL	1965	1	14	16	0	0.10	37.119	116.025	SPK	---	---	---	---	SHAFT	< 20KT
CASHMERE	1965	2	4	15	30	0.10	37.131	116.062	SPK	---	---	---	---	SHAFT	< 20KT
ALPACA	1965	2	12	15	10	29.50	37.165	116.077	SPK	---	---	---	---	SHAFT	< 20KT
MERLIN	1965	2	16	17	30	0.00	37.051	116.024	SPK	---	---	---	---	SHAFT	10.1KT
WISHBONE	1965	2	18	16	18	47.20	36.818	115.949	SPK	---	---	---	---	SHAFT	< 20KT
WAGTAIL	1965	3	3	19	13	0.00	37.064	116.037	SPK	---	---	---	---	SHAFT	20 TO 200KT
CUP	1965	3	26	15	34	8.20	37.148	116.043	SPK	---	---	---	---	SHAFT	20 TO 200KT
KESTREL	1965	4	5	21	0	0.00	37.026	116.023	SPK	---	---	---	---	SHAFT	< 20KT
PALANQUIN	1965	4	14	13	14	0.10	37.280	116.524	SPK	---	---	---	---	CRATER	4.3KT
GUMDROP	1965	4	21	22	0	0.00	37.007	116.202	SPK	---	---	---	---	TUNNEL	< 20KT
MUSCOVY	1965	4	23	21	44	0.40	37.017	115.995	ISC	---	---	---	---	---	---
TEE	1965	5	7	15	47	11.20	37.141	116.067	SPK	---	---	---	---	SHAFT	< 20KT
BUTOE	1965	5	12	18	15	0.10	37.243	116.431	SPK	---	---	---	---	SHAFT	< 20KT
CAMERIC	1965	5	14	14	57	52.20	36.823	115.967	LLL	---	---	---	---	SHAFT	0.75KT
SCAUP	1965	5	14	17	32	36.20	37.059	116.010	SPK	---	---	---	---	SHAFT	< 20KT
TWEED	1965	5	21	13	8	52.10	37.119	116.028	SPK	---	---	---	---	SHAFT	< 20KT
PETREL	1965	6	11	19	45	0.00	37.043	116.017	SPK	---	---	---	---	SHAFT	1.3KT
DILUTED WATERS	1965	6	16	16	30	0.20	36.818	115.956	SPK	---	---	---	---	SHAFT	< 20KT
TINY TOT	1965	6	17	17	0	0.10	37.223	116.057	SPK	---	---	---	---	TUNNEL	< 20KT
BRONZE	1965	7	23	17	0	0.00	37.098	116.033	SPK	---	---	---	---	SHAFT	20 TO 200KT
MAUVE	1965	8	6	17	23	30.00	37.018	116.040	SPK	---	---	---	---	SHAFT	< 20KT
CENTAUR	1965	8	27	13	51	13.10	37.137	116.070	SPK	---	---	---	---	SHAFT	< 20KT
SCREAMER	1965	9	1	20	8	0.00	37.023	116.009	SPK	---	---	---	---	SHAFT	< 20KT
CHARCOAL	1965	9	10	17	12	0.00	37.078	116.017	SPK	---	---	---	---	SHAFT	20 TO 200KT
ELKHART	1965	9	17	15	8	23.10	37.111	116.035	SPK	---	---	---	---	SHAFT	< 20KT
SEPIA	1965	11	12	18	0	0.10	37.050	116.022	SPK	---	---	---	---	SHAFT	< 20KT
CORDUROY	1965	12	3	15	13	2.10	37.165	116.052	SPK	---	---	---	---	SHAFT	20 TO 200KT
EMERSON	1965	12	16	15	39	18.20	37.141	116.063	SPK	---	---	---	---	SHAFT	< 20KT
BUFF	1965	12	16	19	15	0.00	37.073	116.029	SPK	---	---	---	---	SHAFT	20 TO 200KT
MAXWELL	1966	1	13	15	37	43.10	37.116	116.028	SPK	---	---	---	---	SHAFT	< 20KT
LAMPBLACK	1966	1	18	18	35	0.00	37.092	116.019	SPK	---	---	---	---	SHAFT	20 TO 200KT
DOVEKIE	1966	1	21	18	28	0.00	37.032	116.015	SPK	---	---	---	---	SHAFT	< 20KT
PLAID II	1966	2	3	18	17	37.10	37.126	116.069	SPK	---	---	4.3 PDX	---	SHAFT	< 20KT
REX	1966	2	24	15	55	7.00	37.272	116.433	SPK	---	---	4.8 PDX	---	SHAFT	19KT
RED HOT	1966	3	5	18	15	0.10	37.175	116.208	SPK	---	---	---	---	TUNNEL	< 20KT
FINFOOT	1966	3	7	18	41	0.10	37.037	116.029	SPK	---	---	---	---	SHAFT	< 20KT
GLYMER	1966	3	12	18	4	13.10	37.143	116.052	SPK	---	---	---	---	SHAFT	< 20KT
PURPLE	1966	3	18	19	0	0.00	37.009	116.009	SPK	---	---	---	---	SHAFT	< 20KT
TEMLAR	1966	3	24	14	55	28.10	37.113	116.031	SPK	---	---	---	---	SHAFT	< 20KT
LIME	1966	4	1	18	40	0.00	37.102	116.020	SPK	---	---	---	---	SHAFT	< 20KT
STUTZ	1966	4	6	13	57	17.10	37.139	116.141	SPK	---	---	---	---	SHAFT	< 20KT
TOMATO	1966	4	7	22	27	30.00	37.018	115.992	SPK	---	---	---	---	SHAFT	< 20KT
DURYEA	1966	4	14	14	13	43.10	37.242	116.431	SPK	---	---	---	---	SHAFT	70KT
PIN STRIPE	1966	4	25	18	38	0.00	36.887	115.940	SPK	---	---	---	---	SHAFT	< 20KT
TRAVELER	1966	5	4	13	32	17.00	37.137	116.137	SPK	---	---	5.5 PDX	---	SHAFT	< 20KT
CYCLAMEN	1966	5	5	14	0	0.00	37.051	116.037	SPK	---	---	---	---	SHAFT	12KT
CHARTREUSE	1966	5	6	15	0	0.10	37.347	116.322	SPK	---	---	4.2 PDX	---	SHAFT	73KT

ANNOUNCED NUCLEAR TESTS AT NTS 1951-1978

EVENT NAME	DATE (UTC)						ORIGIN TIME		LOCATION		MAGNITUDE						DESCRIPTION		
	YEAR	MT	DY	HR	MIN	SEC	LATITUDE	LONGITUDE	REF	MS	REF	ML	REF	MB	REF	OTH	REF	TYPE	YIELD
TAPESTRY	1966	5	12	19	37	26.20	37.134	116.071	SPK	---	---	---	---	4.2	PDX	---	---	SHAFT	< 20KT
PIRANHA	1966	5	13	13	30	0.00	37.086	116.033	SPK	---	---	---	---	5.6	PDX	---	---	SHAFT	20 TO 200KT
DUMONT	1966	5	19	13	56	28.10	37.111	116.058	SPK	---	---	---	---	5.8	PDX	---	---	SHAFT	20 TO 200KT
DISCUS THROWER	1966	5	27	20	0	0.00	37.179	116.097	SPK	---	---	---	---	5.1	PDX	---	---	SHAFT	22KT
PILE DRIVER	1966	6	2	15	30	0.10	37.227	116.055	SPK	---	---	---	---	---	---	---	---	TUNNEL	62KT
TAN	1966	6	3	14	0	0.00	37.069	116.035	SPK	---	---	---	---	---	---	---	---	SHAFT	20 TO 200KT
PUCE	1966	6	10	14	30	0.00	37.059	116.038	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
DOUBLE PLAY	1966	6	15	17	0	0.00	37.010	116.202	SPK	---	---	---	---	---	---	---	---	TUNNEL	< 20KT
KANKAKEE	1966	6	15	18	2	47.10	37.172	116.049	SPK	---	---	---	---	---	---	---	---	SHAFT	20 TO 200KT
VULCAN	1966	6	25	17	13	0.10	37.155	116.072	SPK	---	---	---	---	---	---	---	---	SHAFT	25KT
HALFBEAK	1966	6	30	22	15	0.10	37.315	116.298	SPK	---	---	---	---	---	---	---	---	SHAFT	365KT
SAXON	1966	7	28	15	33	30.10	37.141	116.098	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
ROVENA	1966	8	10	13	16	0.10	37.169	116.047	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
DERRINGER	1966	9	12	15	30	0.50	36.877	115.951	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
DAIQUIRI	1966	9	23	18	0	0.00	37.021	116.036	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
NEWARK	1966	9	29	14	45	30.10	37.169	116.045	SPK	---	---	---	---	4.1	PDX	---	---	SHAFT	< 20KT
SIMS	1966	11	5	14	45	0.10	37.170	116.047	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
AJAX	1966	11	11	12	0	0.10	37.134	116.049	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
CERISE	1966	11	18	15	2	0.00	37.042	116.010	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
NEW POINT	1966	12	13	21	0	0.10	36.877	115.937	SPK	---	---	---	---	4.6	PDX	---	---	SHAFT	< 20KT
GREELEY	1966	12	20	15	30	0.10	37.302	116.408	SPK	---	---	---	---	6.3	PDX	---	---	SHAFT	870KT
NASH	1967	1	19	16	45	0.10	37.144	116.135	SPK	---	---	---	---	5.4	PDX	---	---	SHAFT	20 TO 200KT
BOURBON	1967	1	20	17	40	3.40	37.100	116.004	SPK	---	---	---	---	5.2	PDX	---	---	SHAFT	20 TO 200KT
WARD	1967	2	8	15	15	0.10	37.168	116.047	SPK	---	---	---	---	4.8	PDX	---	---	SHAFT	< 20KT
PERSIMMON	1967	2	23	18	34	0.00	37.018	116.016	SPK	---	---	---	---	4.4	PDX	4.2	PDX	SHAFT	< 20KT
AGILE	1967	2	23	18	50	0.10	37.127	116.066	SPK	---	---	---	---	5.8	PDX	---	---	SHAFT	20 TO 200KT
RIVET III	1967	3	2	15	0	0.10	37.116	116.049	SPK	---	---	---	---	4.2	PDX	---	---	SHAFT	< 20KT
FAWN	1967	4	7	15	0	0.00	37.054	116.022	SPK	---	---	---	---	3.9	PDX	---	---	SHAFT	< 20KT
CHOCOLATE	1967	4	21	15	9	0.00	37.019	116.037	SPK	---	---	---	---	4.3	PDX	---	---	SHAFT	< 20KT
EFFENDI	1967	4	27	14	45	0.00	37.139	116.063	SPK	---	---	---	---	3.8	PDX	---	---	SHAFT	< 20KT
MICKEY	1967	5	10	13	40	0.00	37.078	115.995	SPK	---	---	---	---	5.0	PDX	---	---	SHAFT	20 TO 200KT
COMMOORE	1967	5	20	15	0	0.20	37.130	116.064	SPK	---	---	---	---	5.0	PDX	---	---	SHAFT	250KT
SCOTCH	1967	5	23	14	0	0.00	37.275	116.370	SPK	---	---	---	---	5.9	PDX	5.6	PDX	SHAFT	155KT
KNICKERBOCKER	1967	5	26	15	0	1.50	37.248	116.480	SPK	---	---	---	---	5.5	PDX	---	---	SHAFT	76KT
SWITCH	1967	6	22	13	10	0.10	37.126	116.029	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
MIDI MIST	1967	6	26	16	0	0.10	37.202	116.208	SPK	---	---	---	---	---	---	---	---	TUNNEL	< 20KT
UMBER	1967	6	29	11	25	0.00	37.029	116.023	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
STANLEY	1967	7	27	13	0	0.10	37.149	116.049	SPK	---	---	---	---	---	---	---	---	SHAFT	20 TO 200KT
WASHER	1967	8	10	14	10	0.10	37.157	116.047	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
BORDEAUX	1967	8	18	20	12	30.00	37.012	116.036	SPK	---	---	---	---	4.4	PDX	---	---	SHAFT	< 20KT
DOOR MIST	1967	8	31	16	30	0.00	37.178	116.209	SPK	---	---	---	---	---	---	---	---	TUNNEL	< 20KT
YARD	1967	9	7	13	45	0.10	37.153	116.053	SPK	---	---	---	---	---	---	---	---	SHAFT	20 TO 200KT
MARVEL	1967	9	21	20	45	0.10	37.165	116.038	SPK	---	---	---	---	---	---	---	---	SHAFT	2.2KT
ZAZA	1967	9	27	17	0	0.00	37.099	116.053	SPK	---	---	---	---	---	---	---	---	SHAFT	20 TO 200KT
LANPHER	1967	10	18	14	30	0.10	37.116	116.058	SPK	---	---	---	---	---	---	---	---	SHAFT	20 TO 200KT
SAZERAC	1967	10	25	14	30	0.10	37.032	116.026	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
COBBLER	1967	11	8	15	0	0.00	37.092	116.036	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT
STILT	1967	12	15	15	0	0.00	37.037	116.002	SPK	---	---	---	---	---	---	---	---	SHAFT	< 20KT

ANNOUNCED NUCLEAR TESTS AT NTS 1951-1978

EVENT NAME	DATE (UTC)						LOCATION			MAGNITUDE						DESCRIPTION		
	YEAR	MT	DY	HR	MIN	SEC	LATITUDE	LONGITUDE	REF	MS	REF	ML	MB	REF	OTH	REF	TYPE	YIELD
HUMMOBILE STACCATO FAULTLESS CABRIOLET KNOX DORSAL FIN	1968	1	18	16:30	0:10		37.146	116.066	SPK	---	---	---	---	---	---	---	SHAFT	7.4KT
	1968	1	19	15:00	0:10		37.156	116.054	SPK	---	---	---	---	---	---	---	SHAFT	20 TO 200KT
	1968	1	19	18:15	0:10		38.634	116.215	SPK	---	---	---	6.3	ISC	---	---	SHAFT	200 TO 1000KT
	1968	1	26	16:00	0:10		37.281	116.514	SPK	---	---	---	---	---	---	---	CRATER	2.3KT
	1968	2	21	15:30	0:00		37.117	116.054	SPK	---	---	---	5.8	ISC	---	---	SHAFT	20 TO 200KT
	1968	2	29	17:00	8:30	00	37.184	116.211	SPK	---	---	---	5.0	ISC	---	---	TUNNEL	< 20KT
BUGGY 1-5 POMARDO STINGER MILK SHAKE NOOR SHUFFLE	1968	3	12	17:00	4:00		37.008	116.370	SPK	---	---	---	---	---	---	---	CRATER	5.4KT
	1968	3	14	15:19	0:10		37.048	116.011	SPK	---	---	---	---	---	---	---	SHAFT	1.5KT
	1968	3	22	15:00	0:00		37.333	116.311	SPK	---	---	---	5.6	ISC	---	---	SHAFT	20 TO 200KT
	1968	3	25	18:44	27:00		36.872	115.931	SPK	---	---	---	---	---	---	---	SHAFT	< 20KT
	1968	4	10	14:00	0:10		37.154	116.079	SPK	---	---	---	4.6	ISC	---	---	SHAFT	20 TO 200KT
	1968	4	18	14:00	5:00		37.153	116.037	SPK	---	---	---	4.9	ISC	---	---	SHAFT	20 TO 200KT
SCROLL BOXCAR CLARKSMOBILE TUB RICKEY CHATEAUGAY	1968	4	23	17:00	1:30	10	37.338	116.376	SPK	---	---	---	---	---	---	---	SHAFT	< 20KT
	1968	4	26	15:00	0:10		37.295	116.456	SPK	---	---	---	6.3	PDX	---	---	SHAFT	1.3 MEGATONS
	1968	5	17	13:00	0:10		37.120	116.059	SPK	---	---	---	4.7	ISC	---	---	SHAFT	20 TO 200KT
	1968	6	6	21:30	0:10		37.165	116.043	SPK	---	---	---	---	---	---	---	SHAFT	< 20KT
	1968	6	15	14:00	0:00		37.265	116.315	SPK	---	---	---	5.9	ISC	---	---	SHAFT	20 TO 200KT
	1968	6	28	12:22	0:10		37.245	116.483	SPK	---	---	---	5.3	ISC	---	---	SHAFT	20 TO 200KT
TANYA DIANA MOON SLED NOGGIN KNIFE A STODDARD	1968	7	30	13:00	0:10		37.133	116.082	SPK	---	---	---	---	---	---	---	SHAFT	20 TO 200KT
	1968	8	27	16:30	0:00		36.877	115.931	SPK	---	---	---	---	---	---	---	SHAFT	< 20KT
	1968	8	29	22:45	0:00		37.250	116.347	SPK	---	---	---	5.9	ISC	---	---	SHAFT	20 TO 200KT
	1968	9	6	14:00	0:10		37.135	116.047	SPK	---	---	---	5.6	PDX	---	---	SHAFT	20 TO 200KT
	1968	9	12	14:00	0:00		37.032	116.012	SPK	---	---	---	---	---	---	---	SHAFT	< 20KT
	1968	9	17	14:00	0:00		37.120	116.128	SPK	---	---	---	5.1	ISC	---	---	SHAFT	20 TO 200KT
HUDSON SEAL KNIFE C CREW KNIFE B MING VASE TINDERBOX	1968	9	24	17:00	5:00		37.205	116.206	SPK	---	---	---	5.0	ISC	---	---	TUNNEL	< 20KT
	1968	10	3	14:29	0:00		37.026	115.993	SPK	---	---	---	---	---	---	---	SHAFT	< 20KT
	1968	11	4	15:15	0:10		37.131	116.086	SPK	---	---	---	5.0	ISC	---	---	SHAFT	20 TO 200KT
	1968	11	15	15:45	0:00		37.026	116.033	SPK	---	---	---	---	---	---	---	SHAFT	< 20KT
	1968	11	20	18:00	0:00		37.010	116.206	SPK	---	---	---	4.9	ISC	---	---	TUNNEL	< 20KT
	1968	11	22	16:19	0:00		37.140	116.042	SPK	---	---	---	---	---	---	---	SHAFT	< 20KT
SCHOONER TYG BENHAM PACKARD WINKSKIN VISE	1968	12	8	16:00	0:10		37.343	116.566	SPK	---	---	---	4.8	ISC	---	---	CRATER	30KT
	1968	12	12	15:10	0:10		37.119	116.078	SPK	---	---	---	---	---	---	---	SHAFT	< 20KT
	1968	12	19	16:30	0:00		37.231	116.474	SPK	5.6	PDX	---	6.3	PDX	6.4	PDX	SHAFT	1.15 MEGATONS
	1969	1	15	19:00	0:10		37.148	116.066	SPK	---	---	---	---	---	---	---	SHAFT	10.0KT
	1969	1	15	19:30	0:00		37.209	116.225	SPK	---	---	---	5.3	PDX	5.0	PDX	SHAFT	20 TO 200KT
	1969	1	30	15:00	0:00		37.053	116.029	SPK	---	---	---	4.8	PDX	4.7	PDX	SHAFT	20 TO 200KT
CYPRESS BARBAC COFFER THISTLE BLENTON PURSE	1969	2	12	16:18	20:00		37.169	116.211	SPK	---	---	---	---	---	---	---	TUNNEL	< 20KT
	1969	3	20	18:12	0:00		37.022	116.030	SPK	---	---	---	4.6	PDX	5.0	PDX	SHAFT	< 20KT
	1969	3	21	14:30	0:00		37.133	116.087	SPK	---	---	---	4.9	PDX	---	---	SHAFT	< 100KT
	1969	4	30	17:00	0:00		37.090	116.006	SPK	---	---	---	5.3	PDX	---	---	SHAFT	20 TO 200KT
	1969	4	30	17:00	0:00		37.082	116.014	SPK	---	---	---	5.3	ISC	---	---	SHAFT	20 TO 200KT
	1969	5	7	13:45	0:00		37.283	116.501	SPK	---	---	---	5.8	PDX	5.7	PDX	SHAFT	20 TO 200KT
TORRIDO TAPPER ILDRIM HUTCH SPIDER PLIERS	1969	5	27	14:15	0:00		37.075	115.995	SPK	---	---	---	---	---	---	---	SHAFT	20 TO 200KT
	1969	6	12	14:00	0:00		37.009	116.030	SPK	---	---	---	4.7	PDX	4.4	PDX	SHAFT	< 20KT
	1969	7	16	13:20	30:00		37.119	116.055	SPK	---	---	---	4.7	PDX	4.7	PDX	SHAFT	20 TO 200KT
	1969	7	16	14:55	0:00		37.139	116.087	SPK	---	---	---	5.3	PDX	5.6	PDX	SHAFT	20 TO 200KT
	1969	8	14	14:30	0:00		37.160	116.064	SPK	---	---	---	---	---	---	---	SHAFT	< 20KT
	1969	8	27	13:45	0:00		37.021	116.038	SPK	---	---	---	4.4	PDX	4.7	PDX	SHAFT	< 20KT

ANNOUNCED NUCLEAR TESTS AT NTS 1951-1978

EVENT NAME	DATE (UTC)						LOCATION			MAGNITUDE						DESCRIPTION			
	YEAR	MT	DY	HR	MN	SEC	LATITUDE	LONGITUDE	REF	MS	REF	ML	REF	MB	REF	OTH	REF	TYPE	YIELD
MINUTE STEAK JORUM PIPKIN CRUET POD CALABASH	1969	9	12	18:	2:20	40	36.877	115.928	SPK	5.1	PDX	4.5	BRK	4.5	PDX	4.8	PDX	SHAFT	< 20KT
	1969	9	16	14:30:	0:00		37.314	116.461	SPK			6.3	PDX	6.2	PDX			SHAFT	< 1 MEGATON
	1969	10	8	14:30:	0:10		37.257	116.441	SPK			5.5	PDX	5.5	PDX			SHAFT	200 TO 1000KT
	1969	10	29	19:30:	0:00		37.121	116.128	SPK			4.3	PDX	5.1	PDX			SHAFT	11KT
	1969	10	29	20:	0:00		37.138	116.136	SPK			4.7	PDX	5.0	PDX			SHAFT	20 TO 200KT
	1969	10	29	22:	1:51	00	37.143	116.064	SPK			5.7	PDX	5.7	PDX			SHAFT	110KT
SCUTTLE PICCALILLI DIESEL TRAIN GRAPE A LOVAGE TERRINE	1969	11	13	15:15:	0:10		37.165	116.075	LLL			3.5	PAS					SHAFT	< 20KT
	1969	11	21	14:52:	0:00		37.014	116.002	SPK			5.2	PDX	5.0	PDX	5.0	PDX	SHAFT	< 20KT
	1969	12	5	17:00:	0:00		37.180	116.211	SPK			5.1	PDX	5.0	PDX			TUNNEL	< 20KT
	1969	12	17	15:00:	0:00		37.084	116.002	SPK			5.6	PDX	5.5	PDX			SHAFT	20 TO 200KT
	1969	12	17	15:15:	0:00		37.007	116.023	SPK			5.1	PDX	4.8	PDX			SHAFT	< 20KT
	1969	12	18	19:00:	0:00		37.120	116.035	SPK			5.2	PDX	5.2	PDX			SHAFT	20 TO 200KT
FOB AJO GRAPE B LABIS DIANA MIST CUMARIN	1970	1	23	16:30:	0:20		37.137	116.037	SPK			4.6	PDX	4.6	PDX	4.4	PDX	SHAFT	< 20KT
	1970	1	30	17:00:	0:00		37.031	116.035	SPK			4.7	PDX	4.6	PDX			SHAFT	< 20KT
	1970	2	4	17:00:	0:00		37.098	116.026	SPK			5.8	PDX	5.6	PDX			SHAFT	20 TO 200KT
	1970	2	5	15:00:	0:00		37.164	116.039	SPK			4.7	PDX	4.7	PDX			SHAFT	25KT
	1970	2	11	19:15:	0:00		37.201	116.205	SPK			4.8	PDX	4.6	PDX			TUNNEL	< 20KT
	1970	2	25	14:28:38:	00		37.037	116.000	SPK			5.6	PDX	5.2	PDX	4.6	PDX	SHAFT	20 TO 200KT
YANNIGAN CYATHUS ARABIS JAL SHAPER HANDLEY	1970	2	26	15:30:	0:00		37.116	116.061	SPK			5.2	PDX	5.3	PDX	4.8	PDX	SHAFT	20 TO 200KT
	1970	3	6	14:24:	0:30		37.023	116.092	SPK			4.8	PDX	4.5	PDX			SHAFT	8.7KT
	1970	3	6	15:00:	0:20		37.140	116.037	SPK			4.3	PDX	4.3	PDX			SHAFT	< 20KT
	1970	3	19	14:30:	0:00		37.001	116.021	SPK			4.1	PDX					SHAFT	< 20KT
	1970	3	23	23:50:	0:00		37.086	116.021	SPK			5.0	PDX	5.5	PDX	5.4	PDX	SHAFT	20 TO 200KT
	1970	3	26	19:00:	0:20		37.300	116.534	SPK	5.3	PDX	6.2	PDX	6.5	PDX	6.3	PDX	SHAFT	> 1 MEGATON
SNUBBER CAN BEEBALM HOD MINT LEAF DIAMOND DUST	1970	4	21	14:30:	0:00		37.055	115.988	SPK			4.4	PDX	4.6	PDX			SHAFT	< 20KT
	1970	4	21	15:00:	0:00		37.116	116.080	SPK			4.4	PDX	4.8	PDX	4.8	PDX	SHAFT	20 TO 200KT
	1970	5	1	14:13:	0:00		37.059	116.028	SPK			3.9	PDX	4.2	PDX			SHAFT	< 20KT
	1970	5	1	14:40:	0:20		37.133	116.034	SPK			3.8	PDX	4.5	PDX			SHAFT	< 20KT
	1970	5	5	15:30:	0:20		37.217	116.184	SPK			4.3	PDX	5.2	PDX			TUNNEL	< 20KT
	1970	5	12	14:00:	0:00		37.010	116.202	SPK									TUNNEL	< 20KT
CORNICE MANZANAS MORRONES HUDSON MOON FLASK ARNICA	1970	5	15	13:30:	0:00		37.162	116.039	SPK			4.8	PDX	5.3	PDX			SHAFT	20 TO 200KT
	1970	5	21	14:00:	0:00		37.029	115.992	SPK			3.5	PDX	3.5	PDX			SHAFT	20KT
	1970	5	21	14:15:	0:00		37.071	116.013	SPK			4.6	PDX	5.1	PDX			SHAFT	20 TO 200KT
	1970	5	26	14:16:	0:20		37.183	116.213	SPK			4.3	PDX	5.0	PDX	4.2	PDX	TUNNEL	< 20KT
	1970	5	26	15:00:	0:00		37.113	116.062	SPK			5.1	PDX	5.6	PDX			SHAFT	105KT
	1970	6	26	13:00:	0:00		37.114	116.086	SPK					4.3	PDX	4.6	PDX	SHAFT	20 TO 200KT
TIJERAS ABEYAS ARTESIA CREAM CARPETBAG BANBERRY	1970	10	14	14:30:	0:00		37.071	116.005	SPK			5.2	PDX	5.5	PDX			SHAFT	20 TO 200KT
	1970	11	5	15:00:	0:00		37.029	116.012	SPK					4.9	PDX	4.7	PDX	SHAFT	20 TO 200KT
	1970	12	16	16:00:	0:10		37.100	116.008	SPK					5.1	PDX	5.1	PDX	SHAFT	20 TO 200KT
	1970	12	16	16:00:	0:20		37.143	116.034	SPK									SHAFT	< 20KT
	1970	12	17	16:00:	0:20		37.129	116.083	SPK					5.7	PDX	5.7	PDX	SHAFT	220KT
	1970	12	18	15:30:	0:20		37.173	116.099	SPK					5.2	PDX	4.9	PDX	SHAFT	10 KT
EMBUJO LAGUNA HARBELL CAMPHOR DIAMOND MINE MINIATA	1971	6	16	14:50:	0:00		37.033	116.014	SPK					4.9	PDX			SHAFT	< 20KT
	1971	6	23	15:30:	0:00		37.022	116.023	SPK					4.8	PDX			SHAFT	20 TO 200KT
	1971	6	24	14:00:	0:20		37.147	116.067	SPK					5.2	PDX			SHAFT	20 TO 200KT
	1971	6	29	18:30:	0:20		37.177	116.211	LLL					4.9	ISC	4.9	G0Y	TUNNEL	< 20KT
	1971	7	1	14:00:	0:00		37.012	116.203	SPK									TUNNEL	< 20KT
	1971	7	8	14:00:	0:10		37.110	116.051	SPK					5.5	PDX	5.2	PDX	SHAFT	83KT

ANNOUNCED NUCLEAR TESTS AT NTS 1951-1978

EVENT NAME	DATE (UTC)				ORIGIN TIME		LOCATION		MAGNITUDE					DESCRIPTION	
	YEAR	MT	DY	HR	MIN	SEC	LATITUDE	LONGITUDE	REF	MS REF	ML REF	MB REF	OTH REF	TYPE	YIELD
ALGODONES PEDERNAL CATHAY DIAGONAL LINE CHAENACTIS LONGCHAMPS	1971	8	18	14:	0:	0.00	37.057	116.036	SPK	---	5.2 PDX	5.4 PDX	---	SHAFT	20 TO 200KT
	1971	9	29	14:	0:	0.00	37.011	116.007	SPK	---	---	4.4 PDX	---	SHAFT	< 20KT
	1971	10	8	14:30:	0:20	---	37.114	116.037	SPK	---	4.7 PDX	4.7 PDX	---	SHAFT	< 20KT
	1971	11	24	20:15:	0:20	---	36.879	115.935	SPK	---	---	---	3.8 GDY	SHAFT	< 20KT
	1971	12	14	21:	9:59:20	---	37.124	116.096	SPK	---	4.4 PDX	4.7 PDX	---	SHAFT	< 20KT
	1972	4	19	16:32:	0:20	---	37.122	116.084	SPK	---	---	4.6 PDX	---	SHAFT	< 20KT
MISTY NORTH ZINNIA MONERO DIAMOND SCULLS OSCURO DELPHINIUM	1972	5	2	19:15:	0:00	---	37.208	116.209	SPK	---	---	5.0 PDX	5.0 GDY	TUNNEL	< 20KT
	1972	5	17	14:10:	0:20	---	37.121	116.088	SPK	---	4.6 PDX	4.4 PDX	---	SHAFT	< 20KT
	1972	5	19	17:	0:	0.10	37.065	116.002	SPK	---	---	4.9 PDX	---	SHAFT	< 20KT
	1972	7	20	17:16:	0:20	---	37.215	116.183	SPK	---	4.8 PDX	5.0 PDX	---	TUNNEL	< 20KT
	1972	9	21	15:30:	0:20	---	37.082	116.036	SPK	4.3 PDX	---	5.7 PDX	5.4 PDX	SHAFT	20 TO 200KT
	1972	9	26	14:30:	0:20	---	37.121	116.086	SPK	---	---	4.4 PDX	4.4 PDX	SHAFT	15KT
FLAX MIERA ANGUS STARWORT DIDO QUEEN ALMENDRO	1972	12	21	20:15:	0:20	---	37.140	116.083	SPK	---	---	5.0 PDX	4.8 PDX	SHAFT	20 TO 200KT
	1973	3	8	16:10:	0:20	---	37.103	116.027	SPK	---	5.4 PDX	5.4 PDX	---	SHAFT	20 TO 200KT
	1973	4	25	22:25:	0:00	---	37.005	116.029	SPK	---	4.3 PDX	4.7 PDX	---	SHAFT	20 TO 200KT
	1973	4	26	17:15:	0:20	---	37.123	116.059	SPK	---	5.3 PDX	5.6 PDX	---	SHAFT	90KT
	1973	6	5	17:	0:	0.20	37.185	116.215	SPK	---	4.8 PDX	5.1 PDX	---	TUNNEL	< 20KT
	1973	6	6	13:	0:	0.10	37.245	116.346	SPK	---	5.9 PDX	6.1 PDX	---	SHAFT	200 TO 1000KT
PORTULACA HUSKY ACE BERNAL LATIR FALLON MING BLADE	1973	6	28	19:15:	12:40	---	37.148	116.086	SPK	---	5.2 PDX	4.9 PDX	---	SHAFT	20 TO 200KT
	1973	10	12	17:	0:	0.10	37.200	116.203	SPK	---	---	4.8 PDX	4.6 PDX	TUNNEL	< 20KT
	1973	11	28	15:30:	0:10	---	37.011	116.024	LLL	---	4.4 PDX	4.4 PDX	4.4 GDY	SHAFT	< 20KT
	1974	2	27	17:	0:	0.10	37.104	116.053	PDX	---	5.0 PDX	5.8 PDX	---	SHAFT	20 TO 200KT
	1974	5	23	13:38:	30:20	---	37.124	116.079	LLL	---	4.8 PDX	4.8 PDX	4.8 GDY	SHAFT	20 TO 200KT
	1974	6	19	16:	0:	0.10	37.210	116.207	LLL	---	---	4.8 ISC	---	TUNNEL	< 20KT
ESCABOSA PUYE PORTMANTEAU STANTAN HYBLA FAIR TOPGALLANT	1974	7	10	16:	0:	0.10	37.068	116.032	PDX	---	5.6 PDX	5.7 PDX	---	SHAFT	20 TO 200KT
	1974	8	14	14:	0:	0.10	37.023	116.036	PDX	---	4.3 PDX	4.6 PDX	---	SHAFT	< 20KT
	1974	8	30	15:	0:	0.20	37.150	116.083	PDX	---	5.8 PDX	5.8 PDX	---	SHAFT	20 TO 200KT
	1974	9	26	15:	5:	0.20	37.133	116.068	PDX	4.2 PDX	5.0 PDX	5.6 PDX	---	SHAFT	20 TO 200KT
	1974	10	28	15:	0:	0.20	37.201	116.204	LLL	---	---	---	---	TUNNEL	< 20KT
	1975	2	28	15:	15:	0.10	37.106	116.056	PDX	---	---	5.7 PDX	---	SHAFT	20 TO 200KT
CABRILLO DINING CAR EDAM OBAR TYBO STILTON	1975	3	7	15:	0:	0.20	37.134	116.084	PDX	---	5.2 PDX	5.5 PDX	---	SHAFT	20 TO 200KT
	1975	4	5	19:45:	0:20	---	37.188	116.214	PDX	---	4.4 PAS	4.8 PDX	---	TUNNEL	< 20KT
	1975	4	24	14:10:	0:20	---	37.116	116.087	PDX	---	4.4 PDX	4.6 PDX	---	SHAFT	20 TO 200KT
	1975	4	30	15:	0:	0.10	37.109	116.029	PDX	---	---	5.2 PDX	---	SHAFT	20 TO 200KT
	1975	5	14	14:	0:	0.20	37.221	116.474	PDX	---	---	6.0 PDX	5.8 PDX	SHAFT	200 TO 1000KT
	1975	6	3	14:20:	0:20	---	37.340	116.523	PDX	---	6.0 PDX	5.9 PDX	---	SHAFT	20 TO 200KT
MIZZEN MAST CAMEMBERT MARSH HUSKY PUP KASSERI	1975	6	3	14:40:	0:10	---	37.095	116.036	PDX	3.9 PDX	5.6 PDX	5.7 PDX	---	SHAFT	20 TO 200KT
	1975	6	19	13:	0:	0.10	37.350	116.320	PDX	---	5.9 PDX	6.1 PDX	---	SHAFT	200 TO 1000KT
	1975	6	26	12:30:	0:20	---	37.279	116.369	PDX	5.0 PDX	6.1 PDX	6.2 PDX	---	SHAFT	200 TO 1000KT
	1975	9	6	17:	0:	0.10	37.024	116.028	PDX	---	4.3 PDX	4.6 PDX	---	SHAFT	< 20KT
	1975	10	24	17:11:	26:10	---	37.222	116.179	PDX	---	4.7 PDX	4.7 PDX	---	TUNNEL	< 20KT
	1975	10	28	14:30:	0:20	---	37.290	116.411	PDX	5.4 PDX	6.3 PDX	6.4 PDX	6.2 PDX	SHAFT	200 TO 1000KT
INLET LEYDEN CHIBERTA MUENSTER KEELSON ESROM	1975	11	20	15:	0:	0.10	37.225	116.368	PDX	---	6.0 PDX	6.0 PDX	5.8 PDX	SHAFT	200 TO 1000KT
	1975	11	26	15:30:	0:20	---	37.117	116.019	PDX	---	4.4 PDX	5.0 PDX	---	SHAFT	< 20KT
	1975	12	20	20:	0:	0.20	37.128	116.062	PDX	4.0 PDX	5.6 PDX	5.7 PDX	---	SHAFT	20 TO 200KT
	1976	1	3	19:15:	0:20	---	37.297	116.333	PDX	5.5 PDX	6.2 PDX	6.2 PDX	6.3 PDX	SHAFT	200 TO 1000KT
	1976	2	4	14:20:	0:10	---	37.069	116.030	PDX	---	5.4 PDX	5.8 PDX	---	SHAFT	20 TO 200KT
	1976	2	4	14:40:	0:20	---	37.107	116.037	PDX	---	5.6 PDX	5.7 PDX	---	SHAFT	20 TO 200KT

ANNOUNCED NUCLEAR TESTS AT NTS 1951-1978

EVENT NAME	DATE (UTC)						LOCATION		MAGNITUDE						DESCRIPTION	
	YEAR			ORIGIN TIME			LATITUDE	LONGITUDE	REF	MS REF	ML REF	MB REF	OTH REF	TYPE	YIELD	
	MT	DY	HR	MN	SEC											
FONTINA CHESHIRE ESTUARY COLBY POOL STRAIT	1976	2	12	14:45:	0:20		37.271	116.488	PDX	5.5	PDX	6.3	PDX	6.3	PDX	200 TO 1000KT
	1976	2	14	11:30:	0:20		37.243	116.420	PDX	—	—	5.7	PDX	6.0	PDX	200 TO 500KT
	1976	3	9	14:0:	0:10		37.310	116.364	PDX	4.8	PDX	5.9	PDX	6.0	PDX	200 TO 500KT
	1976	3	14	12:30:	0:20		37.306	116.471	PDX	5.3	PDX	6.2	PDX	6.3	PDX	500 TO 1000KT
	1976	3	17	14:15:	0:10		37.256	116.312	PDX	4.5	PDX	5.8	PDX	6.1	PDX	200 TO 500KT
	1976	3	17	14:45:	0:10		37.107	116.052	PDX	4.2	PDX	5.6	PDX	5.8	PDX	200 TO 500KT
MIGHTY EPIC BILLET BANON CHEVRE REDMUD ASIAGO	1976	5	12	19:50:	0:20		37.209	116.212	PDX	—	—	4.6	PDX	4.9	PDX	< 20KT
	1976	7	27	20:30:	0:10		37.075	116.044	PDX	—	—	5.2	PDX	5.3	PDX	20 TO 150KT
	1976	8	26	14:30:	0:20		37.125	116.082	PDX	4.2	PDX	5.1	PDX	5.3	PDX	20 TO 150KT
	1976	11	23	15:15:	0:20		37.172	116.053	PDX	—	—	—	—	—	—	< 20KT
	1976	12	8	14:49:	30:10		37.079	116.002	PDX	—	—	4.5	PDX	4.9	PDX	< 20KT
	1976	12	21	15:9:	0:20		37.124	116.067	PDX	—	—	4.2	PDX	—	—	< 20KT
RUDDER MARSILLY BULKHEAD CREWLINE STRAKE SCANTLING	1976	12	28	18:0:	0:10		37.100	116.036	PDX	—	—	5.5	PDX	5.5	PDX	20 TO 150KT
	1977	4	5	15:0:	0:20		37.120	116.062	PDX	5.3	PDX	5.5	PDX	5.6	PDX	20 TO 150KT
	1977	4	27	15:0:	0:10		37.095	116.028	PDX	4.2	PDX	5.1	PDX	5.4	PDX	20 TO 150KT
	1977	5	25	17:0:	0:10		37.094	116.045	PDX	—	—	5.2	PDX	5.3	PDX	20 TO 150KT
	1977	8	4	16:40:	0:10		37.087	116.007	PDX	5.7	PDX	5.0	PDX	5.0	PDX	20 TO 150KT
	1977	8	19	17:55:	0:10		37.111	116.055	PDX	—	—	5.5	PDX	5.6	PDX	20 TO 150KT
EBBTIDE COULOMMIERS BOBSTAY HYBLA GOLD SANDREEF SEAMOUNT	1977	9	15	14:36:	30:10		37.033	116.043	PDX	—	—	4.1	PDX	4.5	PDX	< 20KT
	1977	9	27	14:0:	0:20		37.151	116.068	PDX	—	—	4.8	PDX	4.8	PDX	20 TO 150KT
	1977	10	26	14:15:	0:10		37.008	116.017	PDX	—	—	4.5	PDX	4.4	PDX	< 20KT
	1977	11	1	18:6:	0:10		37.188	116.213	PDX	—	—	4.1	PDX	4.7	PDX	< 20KT
	1977	11	9	22:0:	0:10		37.072	116.050	PDX	4.0	PDX	5.6	PDX	5.7	PDX	20 TO 150KT
	1977	11	17	19:30:	0:10		37.021	116.025	PDX	—	—	4.4	PDX	4.7	PDX	< 20KT
FARALLONES CAMPOS REBLOCHON ICEBERG FONDUTTA BACKBEACH	1977	12	14	15:30:	0:20		37.136	116.086	PDX	—	—	5.6	PDX	5.7	PDX	20 TO 150KT
	1978	2	13	21:53:	0:20		37.126	116.032	LLL	—	—	4.0	PAS	3.8	PDX	< 20KT
	1978	2	23	17:0:	0:20		37.125	116.064	PDX	—	—	5.4	PDX	5.6	PDX	20 TO 150KT
	1978	3	23	16:30:	0:20		37.102	116.051	PDX	—	—	5.5	PDX	5.6	PDX	20 TO 150KT
	1978	4	11	15:30:	0:20		37.300	116.327	PDX	—	—	5.3	PDX	5.3	PDX	20 TO 150KT
	1978	4	11	17:45:	0:10		37.233	116.367	PDX	4.5	PDX	5.3	PDX	5.5	PDX	20 TO 150KT
TRANSOM LOWBALL PANIR	1978	5	10	0:0:	0:00		37.088	116.053	LLL	—	—	—	—	—	—	ZERO
	1978	7	12	17:0:	0:10		37.079	116.044	PDX	4.1	PDX	5.4	PDX	5.5	PDX	20 TO 150KT
	1978	8	31	14:0:	0:20		37.275	116.357	PDX	—	—	5.5	PDX	5.6	PDX	20 TO 150KT