

Appendix 2.5AA Earthquake Source Catalog

The updated earthquake catalog prepared for the Fermi 3 project constitutes this appendix. The development of this catalog is described in [Subsection 2.5.2.1](#).

The headings for the data in [Table 2.5AA-201](#) are described below:

Year – Year in Coordinated Universal Time (UTC)

Month – Month in Coordinated Universal Time (UTC)

Day – Day in Coordinated Universal Time (UTC)

Hour – Hour in Coordinated Universal Time (UTC)

Minute – Minute in Coordinated Universal Time (UTC)

Second – Second in Coordinated Universal Time (UTC)

Latitude – Latitude, Degrees North

Longitude – Longitude, Degrees East (West negative)

Depth – Hypocentral depth in km (n.a.= not available)

ERH – Estimated Horizontal Location Uncertainty in km (provides a measure of the uncertainty in location of the earthquake).

E[**M**] – Expected moment magnitude.

E_{fac} – Equivalent earthquake count.

SM – Standard error associated with E[**M**].

R [km] – Distance in km from the Fermi 3 site.

Table 2.5AA-201 Fermi 3 Earthquake Catalog (Sheet 1 of 7)

| ID | Year | Month | Day | Hour | Minute | Second | Latitude | Longitude | Depth | Erh | E[M] | Efac | SM | R [km] |
|----------|------|-------|-----|------|--------|--------|----------|-----------|-------|-----|------|-------|-------|--------|
| TMP00277 | 1776 | 1 | 1 | 14 | 0 | 0 | 39.9 | -82 | n.a. | 40 | 3.98 | 1.877 | 0.513 | 252.7 |
| TMP00287 | 1779 | 2 | 13 | 0 | 0 | 0 | 40.2 | -81.9 | n.a. | 45 | 3.98 | 1.877 | 0.513 | 226.83 |
| TMP00702 | 1822 | 11 | 9 | 15 | 30 | 0 | 39.952 | -82.012 | n.a. | 34 | 3.98 | 1.877 | 0.513 | 247.01 |
| TMP00757 | 1833 | 2 | 4 | 0 | 0 | 0 | 42.3 | -85.6 | n.a. | 30 | 3.83 | 1.106 | 0.205 | 196.62 |
| TMP00781 | 1836 | 7 | 9 | 2 | 15 | 0 | 41.5 | -81.7 | n.a. | 30 | 2.65 | 1.886 | 0.515 | 139.5 |
| TMP00796 | 1840 | 4 | 8 | 0 | 0 | 0 | 41.12 | -83.18 | n.a. | 38 | 2.98 | 1.877 | 0.513 | 93.83 |
| TMP00799 | 1840 | 9 | 10 | 0 | 0 | 0 | 43.2 | -79.85 | n.a. | 38 | 3.31 | 1.872 | 0.512 | 311.78 |
| TMP00822 | 1843 | 6 | 19 | 23 | 0 | 0 | 40.1 | -83.8 | n.a. | 38 | 3.02 | 1.129 | 0.225 | 211.95 |
| TMP00884 | 1848 | 4 | 6 | 11 | 0 | 0 | 39.5 | -82.4 | n.a. | 38 | 3.76 | 1.09 | 0.19 | 283.33 |
| TMP00913 | 1850 | 10 | 1 | 10 | 25 | 0 | 41.5 | -81.7 | n.a. | 30 | 2.65 | 1.886 | 0.515 | 139.5 |
| TMP00933 | 1852 | 1 | 26 | 0 | 0 | 0 | 39.34 | -82.99 | n.a. | 38 | 2.65 | 1.886 | 0.515 | 292.56 |
| TMP00948 | 1852 | 9 | 15 | 0 | 0 | 0 | 41.63 | -80.17 | n.a. | 30 | 3.98 | 1.877 | 0.513 | 259.2 |
| TMP00979 | 1854 | 1 | 11 | 2 | 0 | 0 | 39.4 | -83.7 | n.a. | 34 | 3.6 | 1.093 | 0.193 | 287.37 |
| TMP01047 | 1857 | 2 | 27 | 20 | 30 | 0 | 42.22 | -81.05 | n.a. | 30 | 3.82 | 1.106 | 0.205 | 184.94 |
| TMP01049 | 1857 | 3 | 1 | 1 | 40 | 0 | 41.8 | -80.6 | n.a. | 30 | 3.11 | 1.373 | 0.364 | 221.31 |
| TMP01068 | 1858 | 4 | 10 | 11 | 30 | 0 | 41.7 | -81.3 | n.a. | 30 | 2.65 | 1.886 | 0.515 | 165.26 |
| TMP01146 | 1865 | 1 | 25 | 0 | 0 | 0 | 40.763 | -82.527 | n.a. | 34 | 3.98 | 1.877 | 0.513 | 146.76 |
| TMP01199 | 1869 | 6 | 1 | 0 | 0 | 0 | 39.634 | -84.927 | n.a. | 38 | 3.31 | 1.872 | 0.512 | 294.49 |
| TMP01222 | 1870 | 11 | 1 | 21 | 55 | 0 | 42 | -80 | n.a. | 38 | 3.31 | 1.872 | 0.512 | 269.93 |
| TMP01277 | 1873 | 1 | 4 | 23 | 40 | 0 | 39.96 | -83 | n.a. | 30 | 2.65 | 1.886 | 0.515 | 223.75 |
| TMP01285 | 1873 | 4 | 23 | 4 | 14 | 0 | 39.7 | -84.2 | n.a. | 30 | 2.71 | 1.238 | 0.299 | 263.7 |
| TMP01287 | 1873 | 4 | 30 | 0 | 0 | 0 | 43.3 | -79.9 | n.a. | 38 | 2.65 | 1.886 | 0.515 | 313.05 |
| TMP01344 | 1875 | 6 | 18 | 13 | 43 | 0 | 40.2 | -84 | n.a. | 30 | 4.6 | 1.27 | 0.316 | 205.5 |
| TMP01377 | 1876 | 6 | 1 | 0 | 0 | 0 | 40.4 | -84.2 | n.a. | 30 | 3.27 | 1.371 | 0.363 | 190.64 |
| TMP01409 | 1877 | 8 | 17 | 16 | 50 | 0 | 42.3 | -83.3 | n.a. | 30 | 3.13 | 1.097 | 0.197 | 37.85 |
| TMP01502 | 1881 | 4 | 20 | 0 | 0 | 0 | 41.6 | -85.8 | n.a. | 30 | 2.65 | 1.886 | 0.515 | 214.43 |
| TMP01525 | 1882 | 2 | 9 | 20 | 0 | 0 | 40.4 | -84.2 | n.a. | 30 | 2.92 | 1.154 | 0.245 | 190.64 |
| TMP01561 | 1883 | 1 | 6 | 7 | 30 | 0 | 41.35 | -82.1 | n.a. | 34 | 4.63 | 1.896 | 0.517 | 118.14 |
| TMP01568 | 1883 | 2 | 4 | 11 | 0 | 0 | 42.3 | -85.6 | n.a. | 30 | 4.73 | 1.108 | 0.207 | 196.62 |
| TMP01625 | 1884 | 9 | 19 | 20 | 14 | 0 | 40.7 | -84.1 | n.a. | 30 | 4.69 | 1.049 | 0.141 | 156.82 |

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| ID | Year | Month | Day | Hour | Minute | Second | Latitude | Longitude | Depth | Erh | E[M] | Efac | SM | R [km] |
|----------|------|-------|-----|------|--------|--------|----------|-----------|-------|-----|------|-------|-------|--------|
| TMP01645 | 1885 | 1 | 18 | 10 | 30 | 0 | 41.16 | -81.6 | n.a. | 30 | 3.36 | 1.093 | 0.193 | 164.61 |
| TMP01691 | 1886 | 5 | 3 | 3 | 0 | 0 | 39.36 | -82.24 | n.a. | 30 | 3.45 | 1.057 | 0.152 | 302.02 |
| TMP01865 | 1886 | 9 | 11 | 9 | 0 | 0 | 40.97 | -81.7 | n.a. | 38 | 2.65 | 1.886 | 0.515 | 170.67 |
| TMP02379 | 1888 | 2 | 11 | 2 | 0 | 0 | 41 | -81.5 | n.a. | 38 | 3.31 | 1.872 | 0.512 | 181.7 |
| TMP02454 | 1889 | 2 | 26 | 15 | 30 | 0 | 40.65 | -85.4 | n.a. | 38 | 3.57 | 1.108 | 0.207 | 230.72 |
| TMP02513 | 1891 | 1 | 3 | 22 | 0 | 0 | 40.3 | -85.7 | n.a. | 38 | 2.65 | 1.886 | 0.515 | 275.56 |
| TMP02552 | 1892 | 4 | 15 | 5 | 25 | 0 | 40.55 | -84.57 | n.a. | 30 | 2.65 | 1.886 | 0.515 | 191.38 |
| TMP02680 | 1893 | 12 | 20 | 2 | 0 | 0 | 41.62 | -85.95 | n.a. | 34 | 3.96 | 1.106 | 0.205 | 226.25 |
| TMP02706 | 1894 | 2 | 27 | 22 | 0 | 0 | 42.12 | -86.46 | n.a. | 30 | 2.65 | 1.886 | 0.515 | 264.94 |
| TMP02745 | 1894 | 11 | 9 | 3 | 0 | 0 | 42.12 | -86.46 | n.a. | 30 | 2.65 | 1.886 | 0.515 | 264.94 |
| TMP02832 | 1896 | 3 | 15 | 7 | 0 | 0 | 40.3 | -84.2 | n.a. | 30 | 2.65 | 1.886 | 0.515 | 200.86 |
| TMP03000 | 1899 | 2 | 11 | 0 | 0 | 0 | 43.35 | -85.4 | n.a. | 30 | 2.67 | 1.168 | 0.255 | 233.47 |
| TMP03001 | 1899 | 2 | 11 | 10 | 0 | 0 | 41.6 | -86.8 | n.a. | 38 | 4.11 | 1.106 | 0.205 | 296.4 |
| TMP03015 | 1899 | 8 | 28 | 19 | 15 | 0 | 40.799 | -85.825 | n.a. | 38 | 3.31 | 1.872 | 0.512 | 250.06 |
| TMP03020 | 1899 | 10 | 11 | 4 | 0 | 0 | 42.1 | -86.5 | n.a. | 30 | 3.15 | 1.066 | 0.163 | 268.14 |
| TMP03023 | 1899 | 11 | 12 | 14 | 0 | 0 | 39.3 | -83 | n.a. | 30 | 2.65 | 1.886 | 0.515 | 296.93 |
| TMP03078 | 1902 | 3 | 10 | 6 | 0 | 0 | 39.9 | -85.2 | n.a. | 20 | 2.71 | 1.238 | 0.299 | 281.33 |
| TMP03091 | 1902 | 6 | 14 | 7 | 0 | 0 | 40.3 | -81.4 | n.a. | 20 | 2.98 | 1.877 | 0.513 | 241.92 |
| TMP03227 | 1906 | 4 | 23 | 7 | 12 | 0 | 40.7 | -83.6 | n.a. | 20 | 3.31 | 1.872 | 0.512 | 143.13 |
| TMP03409 | 1910 | 2 | 25 | 0 | 0 | 0 | 43.2 | -79.8 | n.a. | 25 | 2.65 | 1.886 | 0.515 | 315.46 |
| TMP03633 | 1918 | 2 | 22 | 0 | 0 | 0 | 42.8 | -84.2 | n.a. | 20 | 2.65 | 1.886 | 0.515 | 121.08 |
| TMP03872 | 1925 | 3 | 27 | 4 | 6 | 0 | 39.5 | -83.9 | n.a. | 20 | 3.31 | 1.872 | 0.512 | 279.09 |
| TMP03965 | 1926 | 10 | 28 | 11 | 0 | 0 | 41.7 | -83.6 | n.a. | 20 | 2.65 | 1.886 | 0.515 | 40.36 |
| TMP03990 | 1927 | 2 | 17 | 5 | 30 | 0 | 40.7 | -82.5 | n.a. | 20 | 2.65 | 1.886 | 0.515 | 154.09 |
| TMP04026 | 1927 | 10 | 29 | 0 | 0 | 0 | 40.9 | -81.2 | n.a. | 20 | 3.31 | 1.872 | 0.512 | 208.66 |
| TMP04088 | 1928 | 10 | 27 | 0 | 0 | 0 | 40.4 | -84.1 | n.a. | 20 | 2.62 | 1.156 | 0.246 | 187.35 |
| TMP04117 | 1929 | 3 | 8 | 9 | 6 | 0 | 40.4 | -84.2 | n.a. | 39 | 3.62 | 1.107 | 0.206 | 190.64 |
| TMP04184 | 1930 | 6 | 26 | 21 | 45 | 0 | 40.5 | -84 | n.a. | 20 | 3.13 | 1.122 | 0.219 | 173.91 |
| TMP04186 | 1930 | 7 | 11 | 0 | 15 | 0 | 40.6 | -83.2 | n.a. | 20 | 2.65 | 1.886 | 0.515 | 151.54 |
| TMP04204 | 1930 | 9 | 30 | 20 | 40 | 0 | 40.3 | -84.3 | n.a. | 39 | 3.13 | 1.176 | 0.26 | 204.28 |

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| ID | Year | Month | Day | Hour | Minute | Second | Latitude | Longitude | Depth | Erh | E[M] | Efac | SM | R [km] |
|----------|------|-------|-----|------|--------|--------|----------|-----------|-------|-----|------|-------|-------|--------|
| TMP04244 | 1931 | 3 | 21 | 15 | 48 | 0 | 40.4 | -84.2 | n.a. | 20 | 2.65 | 1.152 | 0.243 | 190.64 |
| TMP04260 | 1931 | 6 | 10 | 8 | 30 | 0 | 41.3 | -84 | n.a. | 20 | 3.08 | 1.091 | 0.191 | 95.8 |
| TMP04277 | 1931 | 9 | 20 | 23 | 4 | 54 | 40.43 | -84.27 | n.a. | 22 | 4.58 | 1.723 | 0.477 | 190.13 |
| TMP04300 | 1932 | 1 | 21 | 0 | 0 | 0 | 41.1 | -81.6 | n.a. | 20 | 2.62 | 1.38 | 0.367 | 168.37 |
| TMP04331 | 1933 | 2 | 23 | 3 | 20 | 0 | 40.3 | -84.2 | n.a. | 20 | 3.31 | 1.112 | 0.211 | 200.86 |
| TMP04396 | 1934 | 10 | 29 | 20 | 7 | 0 | 42 | -80.2 | n.a. | 20 | 3.07 | 1.135 | 0.23 | 253.38 |
| TMP04501 | 1936 | 1 | 31 | 19 | 30 | 0 | 41.2 | -83.2 | n.a. | 20 | 2.65 | 1.886 | 0.515 | 84.84 |
| TMP04527 | 1936 | 8 | 26 | 9 | 55 | 0 | 41.4 | -80.4 | n.a. | 25 | 2.65 | 1.886 | 0.515 | 245.96 |
| TMP04537 | 1936 | 10 | 8 | 16 | 30 | 0 | 39.3 | -84.4 | n.a. | 20 | 2.99 | 1.123 | 0.22 | 311.31 |
| TMP04560 | 1937 | 3 | 9 | 5 | 44 | 35.5 | 40.4 | -84.2 | 3 | 17 | 5.11 | 1.27 | 0.316 | 190.64 |
| TMP04569 | 1937 | 4 | 23 | 17 | 15 | 0 | 40.7 | -84 | n.a. | 20 | 2.91 | 1.073 | 0.172 | 153.27 |
| TMP04610 | 1938 | 2 | 12 | 6 | 27 | 0 | 41.6 | -87 | n.a. | 20 | 3.69 | 1.107 | 0.206 | 312.86 |
| TMP04612 | 1938 | 3 | 13 | 16 | 10 | 0 | 42.4 | -83.2 | n.a. | 28 | 2.85 | 1.24 | 0.3 | 49.12 |
| TMP04725 | 1939 | 1 | 14 | 8 | 10 | 0 | 43.25 | -79.85 | n.a. | 25 | 3.11 | 1.055 | 0.15 | 314.18 |
| TMP04753 | 1939 | 3 | 18 | 13 | 3 | 0 | 40.4 | -84.1 | n.a. | 25 | 2.93 | 1.128 | 0.224 | 187.35 |
| TMP04860 | 1940 | 6 | 16 | 4 | 30 | 0 | 40.9 | -82.3 | n.a. | 20 | 2.65 | 1.886 | 0.515 | 142.76 |
| TMP04999 | 1943 | 3 | 9 | 3 | 25 | 24.9 | 41.63 | -81.31 | 7 | 17 | 4.31 | 1.019 | 0.089 | 166.09 |
| TMP05105 | 1944 | 11 | 13 | 11 | 52 | 0 | 40.4 | -84.4 | n.a. | 20 | 3.71 | 1.107 | 0.206 | 198.13 |
| TMP05222 | 1947 | 8 | 10 | 2 | 46 | 41.3 | 41.93 | -85 | 2 | 17 | 4.43 | 1.03 | 0.112 | 143.9 |
| TMP05329 | 1950 | 4 | 20 | 0 | 0 | 0 | 39.8 | -84.2 | n.a. | 20 | 2.65 | 1.886 | 0.515 | 253.09 |
| TMP05368 | 1951 | 12 | 3 | 7 | 2 | 0 | 41.6 | -81.4 | n.a. | 20 | 2.8 | 1.083 | 0.183 | 159.66 |
| TMP05416 | 1952 | 6 | 20 | 9 | 38 | 8.6 | 39.64 | -82.02 | 9 | 17 | 3.76 | 1.057 | 0.152 | 278.66 |
| TMP05449 | 1952 | 12 | 25 | 4 | 28 | 0 | 43.725 | -81.147 | 20 | 20 | 3.04 | 1.055 | 0.15 | 261.37 |
| TMP05474 | 1953 | 5 | 7 | 23 | 32 | 0 | 39.7 | -82.1 | n.a. | 20 | 2.43 | 1.117 | 0.215 | 269.95 |
| TMP05479 | 1953 | 6 | 12 | 4 | 45 | 0 | 41.7 | -83.6 | n.a. | 20 | 3.31 | 1.063 | 0.16 | 40.36 |
| TMP05604 | 1955 | 5 | 26 | 18 | 9 | 0 | 41.3 | -81.4 | n.a. | 20 | 3.14 | 1.063 | 0.16 | 171.46 |
| TMP05640 | 1956 | 1 | 27 | 11 | 3 | 27 | 40.5 | -84 | n.a. | 20 | 3.52 | 1.092 | 0.192 | 173.91 |
| TMP05713 | 1957 | 6 | 29 | 11 | 25 | 0 | 43.353 | -81.003 | 18 | 20 | 3.4 | 1.055 | 0.15 | 241.2 |
| TMP05769 | 1958 | 8 | 4 | 20 | 25 | 0 | 43.13 | -80 | n.a. | 25 | 3.2 | 1.079 | 0.178 | 297.44 |
| TMP05797 | 1959 | 2 | 9 | 2 | 0 | 0 | 43 | -81 | n.a. | 20 | 2.33 | 1.089 | 0.189 | 218.71 |

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| ID | Year | Month | Day | Hour | Minute | Second | Latitude | Longitude | Depth | Erh | E[M] | Efac | SM | R [km] |
|----------|------|-------|-----|------|--------|--------|----------|-----------|-------|-----|------|-------|-------|--------|
| TMP05867 | 1961 | 2 | 22 | 9 | 45 | 3 | 41.2 | -83.3 | n.a. | 20 | 3.62 | 1.107 | 0.206 | 84.74 |
| TMP06684 | 1967 | 4 | 8 | 5 | 40 | 30.5 | 39.65 | -82.53 | 1 | 6 | 3.47 | 1.062 | 0.158 | 264.45 |
| TMP06862 | 1968 | 7 | 26 | 15 | 2 | 53.7 | 40.4 | -84.2 | n.a. | 28 | 2.85 | 1.068 | 0.166 | 190.64 |
| TMP06890 | 1968 | 10 | 31 | 0 | 0 | 0 | 43 | -83 | n.a. | 20 | 3.27 | 1.082 | 0.181 | 117.6 |
| TMP07628 | 1974 | 9 | 29 | 2 | 26 | 19.1 | 41.21 | -83.49 | 1 | 17 | 2.56 | 1.105 | 0.204 | 85.7 |
| TMP07767 | 1975 | 2 | 3 | 10 | 31 | 0 | 41.3 | -83.2 | n.a. | 28 | 3.21 | 1.117 | 0.215 | 73.73 |
| TMP08175 | 1976 | 2 | 2 | 21 | 14 | 0 | 41.968 | -82.679 | 10 | 6 | 3.01 | 1.124 | 0.221 | 48.24 |
| TMP08176 | 1976 | 2 | 2 | 21 | 14 | 0 | 41.88 | -83.73 | 5 | 6 | 3.14 | 1.045 | 0.136 | 39.78 |
| TMP08697 | 1977 | 6 | 17 | 15 | 39 | 46.9 | 40.71 | -84.71 | 1 | 39 | 3.07 | 1.037 | 0.123 | 184.44 |
| TMP10544 | 1980 | 8 | 20 | 9 | 34 | 0 | 42 | -83.03 | 5 | 8 | 3.25 | 1.026 | 0.103 | 19.68 |
| TMP10644 | 1980 | 10 | 14 | 0 | 58 | 55 | 43.16 | -80.56 | 5 | 8 | 3.11 | 1.049 | 0.141 | 258.58 |
| TMP10823 | 1981 | 1 | 7 | 5 | 2 | 0 | 43.18 | -80.38 | 6.7 | 8 | 2.38 | 1.06 | 0.156 | 272.4 |
| TMP11275 | 1981 | 8 | 28 | 10 | 51 | 0 | 43.15 | -80.59 | 1 | 8 | 2.82 | 1.124 | 0.221 | 255.91 |
| TMP11312 | 1981 | 9 | 5 | 5 | 49 | 0 | 42.8 | -81.41 | 9 | 8 | 2.67 | 1.153 | 0.244 | 178.59 |
| TMP12431 | 1982 | 12 | 23 | 7 | 6 | 0 | 42.76 | -81.39 | 10 | 8 | 2.48 | 1.074 | 0.173 | 177.77 |
| TMP12489 | 1983 | 1 | 22 | 7 | 46 | 58 | 41.75 | -81.02 | 10 | 2 | 2.66 | 1.066 | 0.164 | 187.32 |
| TMP13176 | 1984 | 1 | 14 | 20 | 14 | 31 | 41.65 | -83.43 | n.a. | 2 | 2.68 | 1.066 | 0.163 | 37.31 |
| TMP14144 | 1985 | 4 | 14 | 3 | 44 | 0 | 42.96 | -80.04 | 18 | 2 | 2.68 | 1.074 | 0.173 | 286.97 |
| TMP14147 | 1985 | 4 | 14 | 11 | 39 | 54 | 41.59 | -80.4 | 18 | 2 | 2.23 | 1.074 | 0.173 | 241.11 |
| TMP14278 | 1985 | 7 | 11 | 10 | 13 | 0 | 42.3 | -80.79 | 18 | 2 | 2.29 | 1.049 | 0.141 | 207.49 |
| TMP14710 | 1986 | 1 | 31 | 16 | 46 | 42.3 | 41.65 | -81.162 | 2 | 2 | 4.65 | 1.103 | 0.202 | 177.61 |
| TMP15027 | 1986 | 7 | 12 | 8 | 19 | 37.9 | 40.537 | -84.371 | 10 | 2 | 4.37 | 1.035 | 0.12 | 183.62 |
| TMP15878 | 1987 | 7 | 13 | 5 | 49 | 17.43 | 41.9 | -80.77 | 5 | 25 | 3.61 | 1.013 | 0.073 | 206.44 |
| TMP16394 | 1988 | 3 | 31 | 16 | 30 | 3.87 | 41.313 | -81.046 | n.a. | 2 | 2.37 | 1.153 | 0.244 | 197.92 |
| TMP16575 | 1988 | 6 | 27 | 4 | 46 | 31.34 | 41.818 | -81.229 | n.a. | 2 | 2.33 | 1.074 | 0.173 | 169.18 |
| TMP16761 | 1988 | 10 | 22 | 16 | 46 | 29.1 | 40.44 | -84.11 | 10.8 | 2 | 2.5 | 1.117 | 0.215 | 183.54 |
| TMP16926 | 1988 | 12 | 28 | 23 | 28 | 0 | 41.636 | -81.166 | 5 | 2 | 2.37 | 1.153 | 0.244 | 177.61 |
| TMP17339 | 1989 | 8 | 1 | 16 | 12 | 48.75 | 41.898 | -80.758 | n.a. | 2 | 2.37 | 1.153 | 0.244 | 207.44 |
| TMP17823 | 1990 | 4 | 17 | 10 | 27 | 34.7 | 40.46 | -84.852 | 5 | 2 | 2.77 | 1.078 | 0.177 | 213.58 |
| TMP17910 | 1990 | 6 | 4 | 11 | 26 | 47.06 | 41.098 | -83.638 | 5 | 2 | 2.39 | 1.05 | 0.143 | 101.01 |

Table 2.5AA-201 Fermi 3 Earthquake Catalog (Sheet 5 of 7)

| ID | Year | Month | Day | Hour | Minute | Second | Latitude | Longitude | Depth | Erh | E[M] | Efac | SM | R [km] |
|----------|------|-------|-----|------|--------|--------|----------|-----------|-------|-----|------|-------|-------|--------|
| TMP18376 | 1991 | 1 | 26 | 3 | 21 | 22.6 | 41.536 | -81.453 | 5 | 2 | 3.35 | 1.049 | 0.141 | 157.46 |
| TMP19066 | 1992 | 3 | 15 | 6 | 13 | 55.2 | 41.911 | -81.245 | 5 | 2 | 3.19 | 1.045 | 0.136 | 167.07 |
| TMP19088 | 1992 | 3 | 26 | 3 | 43 | 16.6 | 41.883 | -80.806 | 2 | 2 | 2.33 | 1.074 | 0.173 | 203.56 |
| TMP19945 | 1993 | 10 | 16 | 6 | 30 | 5.3 | 41.796 | -81.28 | 5.7 | 2 | 3.31 | 1.029 | 0.109 | 165.25 |
| TMP19974 | 1993 | 11 | 1 | 0 | 14 | 15.3 | 42.704 | -81.286 | 8.5 | 2 | 2.37 | 1.153 | 0.244 | 182.38 |
| TMP20202 | 1994 | 4 | 4 | 15 | 14 | 44 | 40.4 | -84.4 | 5 | 2 | 2.58 | 1.124 | 0.221 | 198.13 |
| TMP20381 | 1994 | 7 | 24 | 22 | 12 | 0 | 43.15 | -79.887 | 4.5 | 2 | 2.27 | 1.153 | 0.244 | 306.72 |
| TMP20425 | 1994 | 9 | 2 | 21 | 23 | 6.52 | 42.798 | -84.604 | 5 | 2 | 3.16 | 1.066 | 0.164 | 144.38 |
| TMP20636 | 1995 | 1 | 12 | 21 | 25 | 51 | 40.8 | -82.68 | n.a. | 2 | 2.98 | 1.153 | 0.244 | 138.03 |
| TMP20712 | 1995 | 2 | 19 | 12 | 57 | 6 | 39.12 | -83.47 | 10 | 2 | 3.55 | 1.071 | 0.169 | 316.62 |
| TMP20719 | 1995 | 2 | 23 | 9 | 32 | 14.4 | 41.995 | -80.917 | 15 | 2 | 2.58 | 1.083 | 0.183 | 194.05 |
| TMP21291 | 1995 | 12 | 30 | 10 | 32 | 0 | 42.849 | -82.313 | 5 | 2 | 2.27 | 1.153 | 0.244 | 125.87 |
| TMP22810 | 1998 | 1 | 27 | 0 | 38 | 25.6 | 41.862 | -81.197 | 12 | 2 | 2.54 | 1.074 | 0.173 | 171.37 |
| TMP23346 | 1998 | 9 | 25 | 19 | 52 | 53.2 | 41.478 | -80.411 | 5 | 2 | 4.55 | 1.072 | 0.171 | 242.86 |
| TMP23468 | 1998 | 11 | 25 | 2 | 55 | 6 | 41.071 | -82.405 | 5 | 2 | 2.48 | 1.074 | 0.173 | 122.09 |
| TMP23514 | 1998 | 12 | 25 | 21 | 22 | 3.1 | 41.15 | -81.46 | n.a. | 2 | 2.34 | 1.074 | 0.173 | 175.11 |
| TMP24182 | 1999 | 9 | 22 | 10 | 2 | 19.9 | 41.72 | -81.508 | 1.1 | 2 | 2.48 | 1.049 | 0.141 | 147.87 |
| TMP25431 | 2000 | 8 | 6 | 2 | 2 | 31.5 | 40.77 | -81.264 | 28.5 | 2 | 2.67 | 1.157 | 0.247 | 213.1 |
| TMP25441 | 2000 | 8 | 7 | 2 | 2 | 30.4 | 40.96 | -81.15 | 5 | 25 | 2.82 | 1.025 | 0.101 | 208.41 |
| TMP26201 | 2001 | 1 | 26 | 3 | 3 | 22.2 | 41.906 | -80.788 | 7 | 2 | 3.86 | 1.024 | 0.1 | 204.92 |
| TMP27287 | 2001 | 7 | 26 | 10 | 46 | 51.4 | 41.01 | -82.55 | n.a. | 2 | 2.57 | 1.048 | 0.14 | 121.33 |
| TMP27840 | 2001 | 10 | 23 | 1 | 33 | 18.8 | 42.34 | -84.76 | n.a. | 2 | 2.45 | 1.067 | 0.165 | 130.59 |
| TMP29128 | 2002 | 4 | 28 | 0 | 7 | 20.9 | 41.85 | -81.37 | 5 | 2 | 2.36 | 1.049 | 0.141 | 157.19 |
| TMP30908 | 2003 | 3 | 18 | 6 | 4 | 24 | 44.69 | -82.89 | 5 | 2 | 3.45 | 1.198 | 0.275 | 305.16 |
| TMP31284 | 2003 | 6 | 30 | 19 | 21 | 17.2 | 41.8 | -81.2 | 4 | 2 | 3.22 | 1.036 | 0.121 | 171.79 |
| TMP31327 | 2003 | 7 | 17 | 0 | 44 | 10 | 41.86 | -80.76 | 2 | 2 | 2.29 | 1.049 | 0.141 | 207.53 |
| TMP31973 | 2004 | 1 | 30 | 12 | 10 | 4.1 | 40.67 | -84.65 | 5 | 2 | 2.51 | 1.072 | 0.171 | 184.65 |
| TMP32105 | 2004 | 3 | 14 | 5 | 5 | 10.29 | 41.77 | -81.24 | 5 | 2 | 2.36 | 1.074 | 0.173 | 168.92 |
| TMP32605 | 2004 | 6 | 30 | 4 | 3 | 14.5 | 41.78 | -81.08 | 5 | 2 | 2.81 | 1.067 | 0.165 | 181.94 |
| TMP35119 | 2006 | 1 | 6 | 3 | 2 | 3.27 | 41.77 | -81.45 | 5 | 2 | 2.24 | 1.074 | 0.173 | 151.67 |

Table 2.5AA-201 Fermi 3 Earthquake Catalog (Sheet 6 of 7)

| ID | Year | Month | Day | Hour | Minute | Second | Latitude | Longitude | Depth | Erh | E[M] | Efac | SM | R [km] |
|----------|------|-------|-----|------|--------|--------|----------|-----------|-------|------|------|-------|-------|--------|
| TMP35601 | 2006 | 5 | 12 | 1 | 51 | 11.1 | 40.74 | -84.08 | 5 | 2 | 2.5 | 1.124 | 0.221 | 152.08 |
| TMP35756 | 2006 | 6 | 20 | 20 | 11 | 18.5 | 41.84 | -81.23 | 5 | 2 | 3.53 | 1.024 | 0.1 | 168.85 |
| TMP35968 | 2006 | 8 | 15 | 6 | 8 | 54.9 | 40.71 | -84.11 | 5 | 2 | 2.26 | 1.124 | 0.221 | 156.2 |
| TMP36949 | 2007 | 3 | 12 | 23 | 18 | 16.41 | 41.28 | -81.38 | 5 | 25 | 3.2 | 1.049 | 0.141 | 173.94 |
| TMP37699 | 2007 | 9 | 28 | 8 | 46 | 5.91 | 41.969 | -80.579 | 6.7 | 2 | 2.29 | 1.074 | 0.173 | 222.03 |
| TMP37784 | 2007 | 10 | 17 | 20 | 4 | 9.74 | 41.75 | -81.42 | 5 | 25 | 2.94 | 1.049 | 0.141 | 154.48 |
| TMP38076 | 2008 | 1 | 9 | 1 | 34 | 46.7 | 41.72 | -81.43 | 5 | 2 | 2.81 | 1.067 | 0.165 | 154.24 |
| TMP38658 | 2008 | 5 | 31 | 19 | 3 | 12.4 | 41.4503 | -79.586 | 25 | 2 | 2.28 | 1.084 | 0.184 | 310.72 |
| TMP38969 | 2008 | 9 | 18 | 1 | 4 | 16.7 | 41.78 | -81.43 | 5 | 28 | 2.4 | 1.049 | 0.142 | 153.15 |
| TMP38997 | 2008 | 9 | 30 | 1 | 6 | 38.55 | 40.41 | -84.31 | 5 | 2 | 3.05 | 1.062 | 0.159 | 193.62 |
| ADD_001 | 2009 | 2 | 14 | 13 | 16 | 27.24 | 41.84 | -81 | 5 | 2 | 2.17 | 1.148 | 0.240 | 187.85 |
| ADD_003 | 2010 | 2 | 25 | 22 | 13 | 16 | 41.352 | -83.407 | 5 | 2 | 2.37 | 1.148 | 0.240 | 68.83 |
| ADD_004 | 2010 | 3 | 8 | 10 | 10 | 38 | 42.163 | -83.07 | 18 | 2 | 1.87 | 1.148 | 0.240 | 27.51 |
| ADD_005 | 2010 | 4 | 25 | 2 | 0 | 39.26 | 41.78 | -81.08 | 5 | 2 | 2.49 | 1.064 | 0.161 | 181.94 |
| ADD_006 | 2010 | 5 | 14 | 2 | 27 | 2 | 41.38 | -83.284 | 5 | 2 | 2.18 | 1.071 | 0.170 | 64.68 |
| ADD_007 | 2010 | 5 | 17 | 21 | 29 | 5.65 | 41.24 | -81.51 | 5 | 2 | 2.13 | 1.071 | 0.170 | 166.41 |
| ADD_008 | 2010 | 6 | 10 | 16 | 32 | 22.31 | 41.76 | -81.43 | 5 | 2 | 2.06 | 1.064 | 0.161 | 153.48 |
| ADD_011 | 2010 | 12 | 10 | 21 | 26 | 32.79 | 41.514 | -80.333 | 5 | 2 | 2.36 | 1.080 | 0.179 | 248.29 |
| ADD_012 | 2010 | 12 | 30 | 12 | 55 | 21.96 | 40.43 | -85.914 | 5 | 1.06 | 3.79 | 1.020 | 0.091 | 279.91 |
| ADD_013 | 2011 | 2 | 23 | 14 | 21 | 32.42 | 42.157 | -82.43 | 5 | 2 | 2.41 | 1.119 | 0.216 | 72.12 |
| ADD_014 | 2011 | 2 | 24 | 10 | 13 | 51 | 42.138 | -82.373 | 5 | 2 | 2.07 | 1.148 | 0.240 | 76.05 |
| ADD_015 | 2011 | 3 | 17 | 10 | 53 | 9.51 | 41.11 | -80.68 | 5 | 2 | 2.18 | 1.071 | 0.170 | 235.02 |
| ADD_016 | 2011 | 6 | 5 | 15 | 35 | 21.05 | 41.03 | -82.08 | 5 | 2 | 2.76 | 1.064 | 0.161 | 142.96 |
| ADD_017 | 2011 | 8 | 22 | 8 | 0 | 31 | 41.09 | -80.713 | 5 | 2 | 2.07 | 1.148 | 0.240 | 233.46 |
| ADD_018 | 2011 | 8 | 25 | 19 | 44 | 21 | 41.119 | -80.733 | 5 | 2 | 1.97 | 1.148 | 0.240 | 230.57 |
| ADD_020 | 2011 | 8 | 31 | 17 | 36 | 2.67 | 39.51 | -81.47 | 5 | 2 | 2.74 | 1.119 | 0.216 | 311.81 |
| ADD_021 | 2011 | 9 | 2 | 21 | 3 | 26 | 41.126 | -80.711 | 1 | 2 | 1.97 | 1.148 | 0.240 | 231.92 |
| ADD_023 | 2011 | 9 | 26 | 1 | 6 | 10.84 | 41.115 | -80.682 | 5 | 2 | 2.26 | 1.043 | 0.133 | 234.64 |
| ADD_024 | 2011 | 9 | 30 | 0 | 52 | 38.71 | 41.135 | -80.685 | 5 | 2 | 2.66 | 1.038 | 0.125 | 233.5 |
| ADD_025 | 2011 | 10 | 20 | 22 | 41 | 9 | 41.127 | -80.683 | 1 | 2 | 1.97 | 1.148 | 0.240 | 234.01 |

Table 2.5AA-201 Fermi 3 Earthquake Catalog (Sheet 7 of 7)

| ID | Year | Month | Day | Hour | Minute | Second | Latitude | Longitude | Depth | Erh | E[M] | Efac | SM | R [km] |
|---------|------|-------|-----|------|--------|--------|----------|-----------|-------|------|------|-------|-------|--------|
| ADD_026 | 2011 | 11 | 25 | 6 | 47 | 27 | 41.173 | -80.732 | 5 | 2 | 2.07 | 1.148 | 0.240 | 228.19 |
| ADD_027 | 2011 | 12 | 24 | 6 | 24 | 57.38 | 41.11 | -80.69 | 3 | 2 | 2.54 | 1.057 | 0.152 | 234.26 |
| ADD_029 | 2011 | 12 | 31 | 20 | 4 | 59.01 | 41.11 | -80.69 | 3.68 | 2 | 3.66 | 1.064 | 0.161 | 234.26 |
| ADD_030 | 2012 | 1 | 26 | 22 | 35 | 55.79 | 41.576 | -85.49 | 4 | 1.5 | 2.32 | 1.047 | 0.139 | 189.83 |
| ADD_031 | 2012 | 9 | 7 | 21 | 56 | 35.1 | 41.864 | -83.076 | 5 | 1.36 | 1.83 | 1.071 | 0.170 | 18.81 |