

| GLOBAL |          |            |            |
|--------|----------|------------|------------|
| year   | avg_temp | move_avg10 | move_avg20 |
| 1750   | 8.72     |            |            |
| 1751   | 7.98     |            |            |
| 1752   | 5.78     |            |            |
| 1753   | 8.39     |            |            |
| 1754   | 8.47     |            |            |
| 1755   | 8.36     |            |            |
| 1756   | 8.85     |            |            |
| 1757   | 9.02     |            |            |
| 1758   | 6.74     |            |            |
| 1759   | 7.99     | 8.03       |            |
| 1760   | 7.19     | 7.877      |            |
| 1761   | 8.77     | 7.956      |            |
| 1762   | 8.61     | 8.239      |            |
| 1763   | 7.5      | 8.15       |            |
| 1764   | 8.4      | 8.143      |            |
| 1765   | 8.25     | 8.132      |            |
| 1766   | 8.41     | 8.088      |            |
| 1767   | 8.22     | 8.008      |            |
| 1768   | 6.78     | 8.012      |            |
| 1769   | 7.69     | 7.982      | 8.006      |
| 1770   | 7.69     | 8.032      | 7.9545     |
| 1771   | 7.85     | 7.94       | 7.948      |
| 1772   | 8.19     | 7.898      | 8.0685     |
| 1773   | 8.22     | 7.97       | 8.06       |
| 1774   | 8.77     | 8.007      | 8.075      |
| 1775   | 9.18     | 8.1        | 8.116      |
| 1776   | 8.3      | 8.089      | 8.0885     |
| 1777   | 8.26     | 8.093      | 8.0505     |
| 1778   | 8.54     | 8.269      | 8.1405     |
| 1779   | 8.98     | 8.398      | 8.19       |
| 1780   | 9.43     | 8.572      | 8.302      |
| 1781   | 8.1      | 8.597      | 8.2685     |
| 1782   | 7.9      | 8.568      | 8.233      |
| 1783   | 7.68     | 8.514      | 8.242      |
| 1784   | 7.86     | 8.423      | 8.215      |
| 1785   | 7.36     | 8.241      | 8.1705     |
| 1786   | 8.26     | 8.237      | 8.163      |
| 1787   | 8.03     | 8.214      | 8.1535     |
| 1788   | 8.45     | 8.205      | 8.237      |
| 1789   | 8.33     | 8.14       | 8.289      |
| 1790   | 7.98     | 7.995      | 8.2835     |
| 1791   | 8.23     | 8.008      | 8.3025     |
| 1792   | 8.09     | 8.027      | 8.2975     |
| 1793   | 8.23     | 8.082      | 8.298      |
| 1794   | 8.53     | 8.149      | 8.286      |
| 1795   | 8.35     | 8.248      | 8.2445     |
| 1796   | 8.27     | 8.249      | 8.243      |
| 1797   | 8.51     | 8.297      | 8.2555     |
| 1798   | 8.67     | 8.319      | 8.262      |
| 1799   | 8.51     | 8.337      | 8.2385     |
| 1800   | 8.48     | 8.387      | 8.191      |
| 1801   | 8.59     | 8.423      | 8.2155     |
| 1802   | 8.58     | 8.472      | 8.2495     |
| 1803   | 8.5      | 8.499      | 8.2905     |
| 1804   | 8.84     | 8.53       | 8.3395     |
| 1805   | 8.56     | 8.551      | 8.3995     |
| 1806   | 8.43     | 8.567      | 8.408      |
| 1807   | 8.28     | 8.544      | 8.4205     |
| 1808   | 7.63     | 8.44       | 8.3795     |
| 1809   | 7.08     | 8.297      | 8.317      |
| 1810   | 6.92     | 8.141      | 8.264      |
| 1811   | 6.86     | 7.968      | 8.1955     |
| 1812   | 7.05     | 7.815      | 8.1435     |
| 1813   | 7.74     | 7.739      | 8.119      |
| 1814   | 7.59     | 7.614      | 8.072      |
| 1815   | 7.24     | 7.482      | 8.0165     |
| 1816   | 6.94     | 7.333      | 7.95       |
| 1817   | 6.98     | 7.203      | 7.8735     |
| 1818   | 7.63     | 7.223      | 7.8315     |
| 1819   | 7.37     | 7.252      | 7.7745     |
| 1820   | 7.62     | 7.322      | 7.7315     |
| 1821   | 8.09     | 7.445      | 7.7065     |
| 1822   | 8.19     | 7.559      | 7.687      |
| 1823   | 7.72     | 7.557      | 7.648      |
| 1824   | 8.55     | 7.653      | 7.6335     |
| 1825   | 8.39     | 7.768      | 7.625      |
| 1826   | 8.36     | 7.91       | 7.6215     |
| 1827   | 8.81     | 8.093      | 7.648      |
| 1828   | 8.17     | 8.127      | 7.675      |
| 1829   | 7.94     | 8.184      | 7.718      |
| 1830   | 8.52     | 8.274      | 7.798      |
| 1831   | 7.64     | 8.229      | 7.837      |
| 1832   | 7.45     | 8.155      | 7.857      |
| 1833   | 8.01     | 8.184      | 7.8705     |
| 1834   | 8.15     | 8.144      | 7.8985     |
| 1835   | 7.39     | 8.044      | 7.906      |
| 1836   | 7.7      | 7.978      | 7.944      |
| 1837   | 7.38     | 7.835      | 7.964      |
| 1838   | 7.51     | 7.769      | 7.948      |
| 1839   | 7.63     | 7.738      | 7.961      |
| 1840   | 7.8      | 7.666      | 7.97       |
| 1841   | 7.69     | 7.671      | 7.95       |
| 1842   | 8.02     | 7.728      | 7.9415     |
| 1843   | 8.17     | 7.744      | 7.964      |
| 1844   | 7.65     | 7.694      | 7.919      |
| 1845   | 7.85     | 7.74       | 7.892      |
| 1846   | 8.55     | 7.825      | 7.9015     |
| 1847   | 8.09     | 7.896      | 7.8655     |
| 1848   | 7.98     | 7.943      | 7.856      |
| 1849   | 7.98     | 7.978      | 7.858      |

| MEMPHIS |          |             |             |
|---------|----------|-------------|-------------|
| year    | avg_temp | move_avg10  | move_avg20  |
| 1743    | 9.45     |             |             |
| 1744    | 17.7     |             |             |
| 1745    | 9.22     |             |             |
| 1746    |          |             |             |
| 1747    |          |             |             |
| 1748    |          |             |             |
| 1749    |          |             |             |
| 1750    | 16.7     |             |             |
| 1751    | 17.46    |             |             |
| 1752    | 10.61    | 13.52333333 |             |
| 1753    | 16.06    | 14.625      |             |
| 1754    | 16.06    | 14.35166667 |             |
| 1755    | 13.84    | 15.12166667 |             |
| 1756    | 16.24    | 15.28142857 |             |
| 1757    | 15.76    | 15.34125    |             |
| 1758    | 14.59    | 15.25777778 |             |
| 1759    | 15.62    | 15.294      |             |
| 1760    | 14.07    | 15.031      |             |
| 1761    | 16.52    | 14.937      |             |
| 1762    | 16.06    | 15.482      | 14.7475     |
| 1763    | 14.04    | 15.28       | 15.034375   |
| 1764    | 15.98    | 15.272      | 14.926875   |
| 1765    | 15.68    | 15.456      | 15.330625   |
| 1766    | 16.46    | 15.478      | 15.39705882 |
| 1767    | 15.34    | 15.436      | 15.39388889 |
| 1768    | 14.85    | 15.462      | 15.36526316 |
| 1769    | 15.84    | 15.484      | 15.389      |
| 1770    | 15.69    | 15.646      | 15.3385     |
| 1771    | 16.4     | 15.634      | 15.2855     |
| 1772    | 16.32    | 15.66       | 15.571      |
| 1773    | 16.37    | 15.893      | 15.5865     |
| 1774    | 15.96    | 15.891      | 15.5815     |
| 1775    | 16.96    | 16.019      | 15.7375     |
| 1776    | 15.69    | 15.942      | 15.71       |
| 1777    | 15.72    | 15.98       | 15.708      |
| 1778    | 13.12    | 15.807      | 15.6345     |
| 1779    | 8.32     | 15.055      | 15.2695     |
| 1780    |          | 14.98444444 | 15.33263158 |
| 1781    | 16.13    | 14.95444444 | 15.31210526 |
| 1782    | 15.71    | 14.88666667 | 15.29368421 |
| 1783    | 15.5     | 14.79       | 15.37052632 |
| 1784    | 15.58    | 14.74777778 | 15.34947368 |
| 1785    | 15.28    | 14.56111111 | 15.32842105 |
| 1786    | 15.85    | 14.57888889 | 15.29631579 |
| 1787    | 15.9     | 14.59888889 | 15.32578947 |
| 1788    | 16.29    | 14.95111111 | 15.40157895 |
| 1789    | 16.07    | 15.81222222 | 15.41368421 |
| 1790    | 15.95    | 15.826      | 15.42736842 |
| 1791    | 16.22    | 15.835      | 15.41789474 |
| 1792    | 15.76    | 15.84       | 15.38842105 |
| 1793    | 16.13    | 15.903      | 15.37578947 |
| 1794    | 16.28    | 15.973      | 15.39263158 |
| 1795    | 16.12    | 16.057      | 15.34842105 |
| 1796    | 15.96    | 16.068      | 15.36263158 |
| 1797    | 15.9     | 16.068      | 15.37210526 |
| 1798    | 16.53    | 16.092      | 15.55157895 |
| 1799    | 16.29    | 16.114      | 15.97105263 |
| 1800    | 16.11    | 16.13       | 15.978      |
| 1801    | 16.44    | 16.152      | 15.9935     |
| 1802    | 16.61    | 16.237      | 16.0385     |
| 1803    | 16.46    | 16.27       | 16.0865     |
| 1804    | 16.51    | 16.293      | 16.133      |
| 1805    | 16.52    | 16.333      | 16.195      |
| 1806    | 16.19    | 16.356      | 16.212      |
| 1807    | 15.97    | 16.363      | 16.2155     |
| 1808    | 15.77    | 16.287      | 16.1895     |
| 1809    | 14.94    | 16.152      | 16.133      |
| 1810    | 15       | 16.041      | 16.0855     |
| 1811    | 15.17    | 15.914      | 16.033      |
| 1812    | 14.57    | 15.71       | 15.9735     |
| 1813    | 15.6     | 15.624      | 15.947      |
| 1814    | 15.4     | 15.513      | 15.903      |
| 1815    | 15       | 15.361      | 15.847      |
| 1816    | 14.52    | 15.194      | 15.775      |
| 1817    | 14.69    | 15.066      | 15.7145     |
| 1818    | 15.45    | 15.034      | 15.6605     |
| 1819    | 15.18    | 15.058      | 15.605      |
| 1820    | 15.14    | 15.072      | 15.5565     |
| 1821    | 15.26    | 15.081      | 15.4975     |
| 1822    | 16.14    | 15.238      | 15.474      |
| 1823    | 15.61    | 15.239      | 15.4315     |
| 1824    | 16.06    | 15.305      | 15.409      |
| 1825    | 16.67    | 15.472      | 15.4165     |
| 1826    | 16.23    | 15.643      | 15.4185     |
| 1827    | 16.86    | 15.86       | 15.463      |
| 1828    | 17.17    | 16.032      | 15.533      |
| 1829    | 16.11    | 16.125      | 15.5915     |
| 1830    | 17.21    | 16.332      | 15.702      |
| 1831    | 15.24    | 16.33       | 15.7055     |
| 1832    | 16.28    | 16.344      | 15.791      |
| 1833    | 16.55    | 16.438      | 15.8385     |
| 1834    | 16.96    | 16.528      | 15.9165     |
| 1835    | 15.27    | 16.388      | 15.93       |
| 1836    | 14.94    | 16.259      | 15.951      |
| 1837    | 15.84    | 16.157      | 16.0085     |
| 1838    | 14.97    | 15.937      | 15.9845     |
| 1839    | 16.02    | 15.928      | 16.0265     |
| 1840    | 16.16    | 15.823      | 16.0775     |
| 1841    | 16.02    | 15.901      | 16.1155     |
| 1842    | 16.43    | 15.916      | 16.13       |

Global Temperature



Global Temperature avg\_mov\_20years



Memphis Temperature



Memphis avg\_move20years



|      |      |       |        |  |      |       |        |         |  |  |  |  |  |  |
|------|------|-------|--------|--|------|-------|--------|---------|--|--|--|--|--|--|
| 1850 | 7.9  | 7.988 | 7.827  |  | 1843 | 15.46 | 15.807 | 16.1225 |  |  |  |  |  |  |
| 1851 | 8.18 | 8.037 | 7.854  |  | 1844 | 16.4  | 15.751 | 16.1395 |  |  |  |  |  |  |
| 1852 | 8.1  | 8.045 | 7.8865 |  | 1845 | 16.07 | 15.831 | 16.1095 |  |  |  |  |  |  |
| 1853 | 8.04 | 8.032 | 7.888  |  | 1846 | 16.41 | 15.978 | 16.1185 |  |  |  |  |  |  |
| 1854 | 8.21 | 8.088 | 7.891  |  | 1847 | 15.35 | 15.929 | 16.043  |  |  |  |  |  |  |
| 1855 | 8.11 | 8.114 | 7.927  |  | 1848 | 15.75 | 16.007 | 15.972  |  |  |  |  |  |  |
| 1856 | 8    | 8.059 | 7.942  |  | 1849 | 15.96 | 16.001 | 15.9645 |  |  |  |  |  |  |
| 1857 | 7.76 | 8.026 | 7.961  |  | 1850 | 16.08 | 15.993 | 15.908  |  |  |  |  |  |  |
| 1858 | 8.1  | 8.038 | 7.9905 |  | 1851 | 15.92 | 15.983 | 15.942  |  |  |  |  |  |  |
| 1859 | 8.25 | 8.065 | 8.0215 |  | 1852 | 15.72 | 15.912 | 15.914  |  |  |  |  |  |  |
| 1860 | 7.96 | 8.071 | 8.0295 |  | 1853 | 15.66 | 15.932 | 15.8695 |  |  |  |  |  |  |
| 1861 | 7.85 | 8.038 | 8.0375 |  | 1854 | 16.86 | 15.978 | 15.8645 |  |  |  |  |  |  |
| 1862 | 7.56 | 7.984 | 8.0145 |  | 1855 | 16.07 | 15.978 | 15.9045 |  |  |  |  |  |  |
| 1863 | 8.11 | 7.991 | 8.0115 |  | 1856 | 14.75 | 15.812 | 15.895  |  |  |  |  |  |  |
| 1864 | 7.98 | 7.968 | 8.028  |  | 1857 | 14.75 | 15.752 | 15.8405 |  |  |  |  |  |  |
| 1865 | 8.18 | 7.975 | 8.0445 |  | 1858 | 16.05 | 15.782 | 15.8945 |  |  |  |  |  |  |
| 1866 | 8.29 | 8.004 | 8.0315 |  | 1859 | 15.83 | 15.769 | 15.885  |  |  |  |  |  |  |
| 1867 | 8.44 | 8.072 | 8.049  |  | 1860 | 16.43 | 15.804 | 15.8985 |  |  |  |  |  |  |
| 1868 | 8.25 | 8.087 | 8.0625 |  | 1861 | 16.32 | 15.844 | 15.9135 |  |  |  |  |  |  |
| 1869 | 8.43 | 8.105 | 8.085  |  | 1862 | 16.45 | 15.917 | 15.9145 |  |  |  |  |  |  |
| 1870 | 8.2  | 8.129 | 8.1    |  | 1863 | 15.49 | 15.9   | 15.916  |  |  |  |  |  |  |
| 1871 | 8.12 | 8.156 | 8.097  |  | 1864 | 15.11 | 15.725 | 15.8515 |  |  |  |  |  |  |
| 1872 | 8.19 | 8.219 | 8.1015 |  | 1865 | 16.21 | 15.739 | 15.8585 |  |  |  |  |  |  |
| 1873 | 8.35 | 8.243 | 8.117  |  | 1866 | 15.64 | 15.828 | 15.82   |  |  |  |  |  |  |
| 1874 | 8.43 | 8.288 | 8.128  |  | 1867 | 16.03 | 15.956 | 15.854  |  |  |  |  |  |  |
| 1875 | 7.86 | 8.256 | 8.1155 |  | 1868 | 15.27 | 15.878 | 15.83   |  |  |  |  |  |  |
| 1876 | 8.08 | 8.235 | 8.1195 |  | 1869 | 15.07 | 15.802 | 15.7855 |  |  |  |  |  |  |
| 1877 | 8.54 | 8.245 | 8.1585 |  | 1870 | 15.71 | 15.73  | 15.767  |  |  |  |  |  |  |
| 1878 | 8.83 | 8.303 | 8.195  |  | 1871 | 16.43 | 15.741 | 15.7925 |  |  |  |  |  |  |
| 1879 | 8.17 | 8.277 | 8.191  |  | 1872 | 15.11 | 15.607 | 15.762  |  |  |  |  |  |  |
| 1880 | 8.12 | 8.269 | 8.199  |  | 1873 | 15.33 | 15.591 | 15.7455 |  |  |  |  |  |  |
| 1881 | 8.27 | 8.284 | 8.22   |  | 1874 | 16.51 | 15.731 | 15.728  |  |  |  |  |  |  |
| 1882 | 8.13 | 8.278 | 8.2485 |  | 1875 | 15.21 | 15.631 | 15.685  |  |  |  |  |  |  |
| 1883 | 7.98 | 8.241 | 8.242  |  | 1876 | 15.59 | 15.626 | 15.727  |  |  |  |  |  |  |
| 1884 | 7.77 | 8.175 | 8.2315 |  | 1877 | 15.85 | 15.608 | 15.782  |  |  |  |  |  |  |
| 1885 | 7.92 | 8.181 | 8.2185 |  | 1878 | 16.39 | 15.72  | 15.799  |  |  |  |  |  |  |
| 1886 | 7.95 | 8.168 | 8.2015 |  | 1879 | 16.39 | 15.852 | 15.827  |  |  |  |  |  |  |
| 1887 | 7.91 | 8.105 | 8.175  |  | 1880 | 16.21 | 15.902 | 15.816  |  |  |  |  |  |  |
| 1888 | 8.09 | 8.031 | 8.167  |  | 1881 | 16.75 | 15.934 | 15.8375 |  |  |  |  |  |  |
| 1889 | 8.32 | 8.046 | 8.1615 |  | 1882 | 16.83 | 16.106 | 15.8565 |  |  |  |  |  |  |
| 1890 | 7.97 | 8.031 | 8.15   |  | 1883 | 16.26 | 16.199 | 15.895  |  |  |  |  |  |  |
| 1891 | 8.02 | 8.006 | 8.145  |  | 1884 | 15.79 | 16.127 | 15.929  |  |  |  |  |  |  |
| 1892 | 8.07 | 8     | 8.139  |  | 1885 | 15.1  | 16.116 | 15.8735 |  |  |  |  |  |  |
| 1893 | 8.06 | 8.008 | 8.1245 |  | 1886 | 14.92 | 16.049 | 15.8375 |  |  |  |  |  |  |
| 1894 | 8.16 | 8.047 | 8.111  |  | 1887 | 16.24 | 16.088 | 15.848  |  |  |  |  |  |  |
| 1895 | 8.15 | 8.07  | 8.1255 |  | 1888 | 15.45 | 15.994 | 15.857  |  |  |  |  |  |  |
| 1896 | 8.21 | 8.096 | 8.132  |  | 1889 | 15.87 | 15.942 | 15.897  |  |  |  |  |  |  |
| 1897 | 8.29 | 8.134 | 8.1195 |  | 1890 | 16.76 | 15.997 | 15.9495 |  |  |  |  |  |  |
| 1898 | 8.18 | 8.143 | 8.087  |  | 1891 | 15.82 | 15.904 | 15.919  |  |  |  |  |  |  |
| 1899 | 8.4  | 8.151 | 8.0985 |  | 1892 | 15.3  | 15.751 | 15.9285 |  |  |  |  |  |  |
| 1900 | 8.5  | 8.204 | 8.1175 |  | 1893 | 15.6  | 15.685 | 15.942  |  |  |  |  |  |  |
| 1901 | 8.54 | 8.256 | 8.131  |  | 1894 | 15.9  | 15.696 | 15.9115 |  |  |  |  |  |  |
| 1902 | 8.3  | 8.279 | 8.1395 |  | 1895 | 15.22 | 15.708 | 15.912  |  |  |  |  |  |  |
| 1903 | 8.22 | 8.295 | 8.1515 |  | 1896 | 16.64 | 15.88  | 15.9645 |  |  |  |  |  |  |
| 1904 | 8.09 | 8.288 | 8.1675 |  | 1897 | 16.51 | 15.907 | 15.9975 |  |  |  |  |  |  |
| 1905 | 8.23 | 8.296 | 8.183  |  | 1898 | 16.01 | 15.963 | 15.9785 |  |  |  |  |  |  |
| 1906 | 8.38 | 8.313 | 8.2045 |  | 1899 | 15.69 | 15.945 | 15.9435 |  |  |  |  |  |  |
| 1907 | 7.95 | 8.279 | 8.2065 |  | 1900 | 16.22 | 15.891 | 15.944  |  |  |  |  |  |  |
| 1908 | 8.19 | 8.28  | 8.2115 |  | 1901 | 15.31 | 15.84  | 15.872  |  |  |  |  |  |  |
| 1909 | 8.18 | 8.258 | 8.2045 |  | 1902 | 15.86 | 15.896 | 15.8235 |  |  |  |  |  |  |
| 1910 | 8.22 | 8.23  | 8.217  |  | 1903 | 15.28 | 15.864 | 15.7745 |  |  |  |  |  |  |
| 1911 | 8.18 | 8.194 | 8.225  |  | 1904 | 15.68 | 15.842 | 15.769  |  |  |  |  |  |  |
| 1912 | 8.17 | 8.181 | 8.23   |  | 1905 | 15.42 | 15.862 | 15.785  |  |  |  |  |  |  |
| 1913 | 8.3  | 8.189 | 8.242  |  | 1906 | 15.83 | 15.781 | 15.8305 |  |  |  |  |  |  |
| 1914 | 8.59 | 8.239 | 8.2635 |  | 1907 | 16.4  | 15.77  | 15.8385 |  |  |  |  |  |  |
| 1915 | 8.59 | 8.275 | 8.2855 |  | 1908 | 16.66 | 15.835 | 15.899  |  |  |  |  |  |  |
| 1916 | 8.23 | 8.26  | 8.2865 |  | 1909 | 16.47 | 15.913 | 15.929  |  |  |  |  |  |  |
| 1917 | 8.02 | 8.267 | 8.273  |  | 1910 | 15.78 | 15.869 | 15.88   |  |  |  |  |  |  |
| 1918 | 8.13 | 8.261 | 8.2705 |  | 1911 | 17.1  | 16.048 | 15.944  |  |  |  |  |  |  |
| 1919 | 8.38 | 8.281 | 8.2695 |  | 1912 | 15.18 | 15.98  | 15.938  |  |  |  |  |  |  |
| 1920 | 8.36 | 8.295 | 8.2625 |  | 1913 | 16.41 | 16.093 | 15.9785 |  |  |  |  |  |  |
| 1921 | 8.57 | 8.334 | 8.264  |  | 1914 | 16.12 | 16.137 | 15.9895 |  |  |  |  |  |  |
| 1922 | 8.41 | 8.358 | 8.2695 |  | 1915 | 16.01 | 16.196 | 16.029  |  |  |  |  |  |  |
| 1923 | 8.42 | 8.37  | 8.2795 |  | 1916 | 16.12 | 16.225 | 16.003  |  |  |  |  |  |  |
| 1924 | 8.51 | 8.362 | 8.3005 |  | 1917 | 14.95 | 16.08  | 15.925  |  |  |  |  |  |  |
| 1925 | 8.53 | 8.356 | 8.3155 |  | 1918 | 16.3  | 16.044 | 15.9395 |  |  |  |  |  |  |
| 1926 | 8.73 | 8.406 | 8.333  |  | 1919 | 16.44 | 16.041 | 15.977  |  |  |  |  |  |  |
| 1927 | 8.52 | 8.456 | 8.3615 |  | 1920 | 15.6  | 16.023 | 15.946  |  |  |  |  |  |  |
| 1928 | 8.63 | 8.506 | 8.3835 |  | 1921 | 17.79 | 16.092 | 16.07   |  |  |  |  |  |  |
| 1929 | 8.24 | 8.492 | 8.3865 |  | 1922 | 17.04 | 16.278 | 16.129  |  |  |  |  |  |  |
| 1930 | 8.63 | 8.519 | 8.407  |  | 1923 | 16.18 | 16.255 | 16.174  |  |  |  |  |  |  |
| 1931 | 8.72 | 8.534 | 8.434  |  | 1924 | 15.46 | 16.189 | 16.163  |  |  |  |  |  |  |
| 1932 | 8.71 | 8.564 | 8.461  |  | 1925 | 17.13 | 16.301 | 16.2485 |  |  |  |  |  |  |
| 1933 | 8.34 | 8.556 | 8.463  |  | 1926 | 16.05 | 16.294 | 16.2595 |  |  |  |  |  |  |
| 1934 | 8.63 | 8.568 | 8.465  |  | 1927 | 17.2  | 16.519 | 16.2995 |  |  |  |  |  |  |
| 1935 | 8.52 | 8.567 | 8.4615 |  | 1928 | 15.97 | 16.486 | 16.265  |  |  |  |  |  |  |
| 1936 | 8.55 | 8.549 | 8.4775 |  | 1929 | 15.95 | 16.437 | 16.239  |  |  |  |  |  |  |
| 1937 | 8.7  | 8.567 | 8.5115 |  | 1930 | 16.37 | 16.514 | 16.2685 |  |  |  |  |  |  |
| 1938 | 8.86 | 8.59  | 8.548  |  | 1931 | 16.84 | 16.419 | 16.2555 |  |  |  |  |  |  |
| 1939 | 8.76 | 8.642 | 8.567  |  | 1932 | 16.57 | 16.372 | 16.325  |  |  |  |  |  |  |
| 1940 | 8.76 | 8.655 | 8.587  |  | 1933 | 17.31 | 16.485 | 16.37   |  |  |  |  |  |  |
| 1941 | 8.77 | 8.66  | 8.597  |  | 1934 | 16.82 | 16.621 | 16.405  |  |  |  |  |  |  |
| 1942 | 8.73 | 8.662 | 8.613  |  | 1935 | 16.33 | 16.541 | 16.421  |  |  |  |  |  |  |
| 1943 | 8.76 | 8.704 | 8.63   |  | 1936 | 16.38 | 16.574 | 16.434  |  |  |  |  |  |  |
| 1944 | 8.85 | 8.726 | 8.647  |  | 1937 | 16.11 | 16.465 | 16.492  |  |  |  |  |  |  |
| 1945 | 8.58 | 8.732 | 8.6495 |  | 1938 | 17.32 | 16.6   | 16.543  |  |  |  |  |  |  |
| 1946 | 8.68 | 8.745 | 8.647  |  | 1939 | 16.86 | 16.691 | 16.564  |  |  |  |  |  |  |
| 1947 | 8.8  | 8.755 | 8.661  |  | 1940 | 15.08 | 16.562 | 16.538  |  |  |  |  |  |  |
| 1948 | 8.75 | 8.744 | 8.667  |  | 1941 | 16.73 | 16.551 | 16.485  |  |  |  |  |  |  |
| 1949 | 8.59 | 8.727 | 8.6845 |  | 1942 | 16.28 | 16.522 | 16.447  |  |  |  |  |  |  |
| 1950 | 8.37 | 8.688 | 8.6715 |  | 1943 | 16.53 | 16.444 | 16.4645 |  |  |  |  |  |  |
| 1951 | 8.63 | 8.674 | 8.667  |  | 1944 | 16.58 | 16.42  | 16.5205 |  |  |  |  |  |  |

|      |      |       |        |  |      |       |        |         |  |  |  |  |  |  |
|------|------|-------|--------|--|------|-------|--------|---------|--|--|--|--|--|--|
| 1952 | 8.64 | 8.665 | 8.6635 |  | 1945 | 16.28 | 16.415 | 16.478  |  |  |  |  |  |  |
| 1953 | 8.87 | 8.676 | 8.69   |  | 1946 | 16.9  | 16.467 | 16.5205 |  |  |  |  |  |  |
| 1954 | 8.56 | 8.647 | 8.6865 |  | 1947 | 15.89 | 16.445 | 16.455  |  |  |  |  |  |  |
| 1955 | 8.63 | 8.652 | 8.692  |  | 1948 | 16.08 | 16.321 | 16.4605 |  |  |  |  |  |  |
| 1956 | 8.28 | 8.612 | 8.6785 |  | 1949 | 16.8  | 16.315 | 16.503  |  |  |  |  |  |  |
| 1957 | 8.73 | 8.605 | 8.68   |  | 1950 | 16.09 | 16.416 | 16.489  |  |  |  |  |  |  |
| 1958 | 8.77 | 8.607 | 8.6755 |  | 1951 | 16.47 | 16.39  | 16.4705 |  |  |  |  |  |  |
| 1959 | 8.73 | 8.621 | 8.674  |  | 1952 | 16.71 | 16.433 | 16.4775 |  |  |  |  |  |  |
| 1960 | 8.58 | 8.642 | 8.665  |  | 1953 | 17.08 | 16.488 | 16.466  |  |  |  |  |  |  |
| 1961 | 8.8  | 8.659 | 8.6665 |  | 1954 | 17.45 | 16.575 | 16.4975 |  |  |  |  |  |  |
| 1962 | 8.75 | 8.67  | 8.6675 |  | 1955 | 16.62 | 16.609 | 16.512  |  |  |  |  |  |  |
| 1963 | 8.86 | 8.669 | 8.6725 |  | 1956 | 16.96 | 16.615 | 16.541  |  |  |  |  |  |  |
| 1964 | 8.41 | 8.654 | 8.6505 |  | 1957 | 16.65 | 16.691 | 16.568  |  |  |  |  |  |  |
| 1965 | 8.53 | 8.644 | 8.648  |  | 1958 | 15.33 | 16.616 | 16.4685 |  |  |  |  |  |  |
| 1966 | 8.6  | 8.676 | 8.644  |  | 1959 | 16.44 | 16.58  | 16.4475 |  |  |  |  |  |  |
| 1967 | 8.7  | 8.673 | 8.639  |  | 1960 | 15.58 | 16.529 | 16.4725 |  |  |  |  |  |  |
| 1968 | 8.52 | 8.648 | 8.6275 |  | 1961 | 15.87 | 16.469 | 16.4295 |  |  |  |  |  |  |
| 1969 | 8.6  | 8.635 | 8.628  |  | 1962 | 16.42 | 16.44  | 16.4365 |  |  |  |  |  |  |
| 1970 | 8.7  | 8.647 | 8.6445 |  | 1963 | 15.94 | 16.326 | 16.407  |  |  |  |  |  |  |
| 1971 | 8.6  | 8.627 | 8.643  |  | 1964 | 16.48 | 16.229 | 16.402  |  |  |  |  |  |  |
| 1972 | 8.5  | 8.602 | 8.636  |  | 1965 | 16.75 | 16.242 | 16.4255 |  |  |  |  |  |  |
| 1973 | 8.95 | 8.611 | 8.64   |  | 1966 | 15.81 | 16.127 | 16.371  |  |  |  |  |  |  |
| 1974 | 8.47 | 8.617 | 8.6355 |  | 1967 | 16.06 | 16.068 | 16.3795 |  |  |  |  |  |  |
| 1975 | 8.74 | 8.638 | 8.641  |  | 1968 | 15.55 | 16.09  | 16.353  |  |  |  |  |  |  |
| 1976 | 8.35 | 8.613 | 8.6445 |  | 1969 | 15.84 | 16.03  | 16.305  |  |  |  |  |  |  |
| 1977 | 8.85 | 8.628 | 8.6505 |  | 1970 | 16.13 | 16.085 | 16.307  |  |  |  |  |  |  |
| 1978 | 8.69 | 8.645 | 8.6465 |  | 1971 | 16.5  | 16.148 | 16.3085 |  |  |  |  |  |  |
| 1979 | 8.73 | 8.658 | 8.6465 |  | 1972 | 16.28 | 16.134 | 16.287  |  |  |  |  |  |  |
| 1980 | 8.98 | 8.686 | 8.6665 |  | 1973 | 16.79 | 16.219 | 16.2725 |  |  |  |  |  |  |
| 1981 | 9.17 | 8.743 | 8.685  |  | 1974 | 16.39 | 16.21  | 16.2195 |  |  |  |  |  |  |
| 1982 | 8.64 | 8.757 | 8.6795 |  | 1975 | 16.4  | 16.175 | 16.2085 |  |  |  |  |  |  |
| 1983 | 9.03 | 8.765 | 8.688  |  | 1976 | 15.43 | 16.137 | 16.132  |  |  |  |  |  |  |
| 1984 | 8.69 | 8.787 | 8.702  |  | 1977 | 16.55 | 16.186 | 16.127  |  |  |  |  |  |  |
| 1985 | 8.66 | 8.779 | 8.7085 |  | 1978 | 15.7  | 16.201 | 16.1455 |  |  |  |  |  |  |
| 1986 | 8.83 | 8.827 | 8.72   |  | 1979 | 15.33 | 16.15  | 16.09   |  |  |  |  |  |  |
| 1987 | 8.99 | 8.841 | 8.7345 |  | 1980 | 16.31 | 16.168 | 16.1265 |  |  |  |  |  |  |
| 1988 | 9.2  | 8.892 | 8.7685 |  | 1981 | 16.32 | 16.15  | 16.149  |  |  |  |  |  |  |
| 1989 | 8.92 | 8.911 | 8.7845 |  | 1982 | 16.39 | 16.161 | 16.1475 |  |  |  |  |  |  |
| 1990 | 9.23 | 8.936 | 8.811  |  | 1983 | 15.77 | 16.059 | 16.139  |  |  |  |  |  |  |
| 1991 | 9.18 | 8.937 | 8.84   |  | 1984 | 16.48 | 16.068 | 16.139  |  |  |  |  |  |  |
| 1992 | 8.84 | 8.957 | 8.857  |  | 1985 | 16.23 | 16.051 | 16.113  |  |  |  |  |  |  |
| 1993 | 8.67 | 8.941 | 8.853  |  | 1986 | 17.18 | 16.226 | 16.1815 |  |  |  |  |  |  |
| 1994 | 9.04 | 8.976 | 8.8815 |  | 1987 | 16.89 | 16.26  | 16.223  |  |  |  |  |  |  |
| 1995 | 9.35 | 9.045 | 8.912  |  | 1988 | 16.13 | 16.303 | 16.252  |  |  |  |  |  |  |
| 1996 | 9.04 | 9.066 | 8.9465 |  | 1989 | 15.84 | 16.354 | 16.252  |  |  |  |  |  |  |
| 1997 | 9.2  | 9.087 | 8.964  |  | 1990 | 17.45 | 16.468 | 16.318  |  |  |  |  |  |  |
| 1998 | 9.52 | 9.119 | 9.0055 |  | 1991 | 17.12 | 16.548 | 16.349  |  |  |  |  |  |  |
| 1999 | 9.29 | 9.156 | 9.0335 |  | 1992 | 16.19 | 16.528 | 16.3445 |  |  |  |  |  |  |
| 2000 | 9.2  | 9.153 | 9.0445 |  | 1993 | 16.09 | 16.56  | 16.3095 |  |  |  |  |  |  |
| 2001 | 9.41 | 9.176 | 9.0565 |  | 1994 | 16.57 | 16.569 | 16.3185 |  |  |  |  |  |  |
| 2002 | 9.57 | 9.249 | 9.103  |  | 1995 | 16.53 | 16.599 | 16.325  |  |  |  |  |  |  |
| 2003 | 9.53 | 9.315 | 9.128  |  | 1996 | 16.19 | 16.5   | 16.363  |  |  |  |  |  |  |
| 2004 | 9.32 | 9.343 | 9.1595 |  | 1997 | 16.09 | 16.42  | 16.34   |  |  |  |  |  |  |
| 2005 | 9.7  | 9.378 | 9.2115 |  | 1998 | 18.06 | 16.613 | 16.458  |  |  |  |  |  |  |
| 2006 | 9.53 | 9.427 | 9.2465 |  | 1999 | 17.56 | 16.785 | 16.5695 |  |  |  |  |  |  |
| 2007 | 9.73 | 9.48  | 9.2835 |  | 2000 | 16.97 | 16.737 | 16.6025 |  |  |  |  |  |  |
| 2008 | 9.43 | 9.471 | 9.295  |  | 2001 | 16.9  | 16.715 | 16.6315 |  |  |  |  |  |  |
| 2009 | 9.51 | 9.493 | 9.3245 |  | 2002 | 16.91 | 16.787 | 16.6575 |  |  |  |  |  |  |
| 2010 | 9.7  | 9.543 | 9.348  |  | 2003 | 16.42 | 16.82  | 16.69   |  |  |  |  |  |  |
| 2011 | 9.52 | 9.554 | 9.365  |  | 2004 | 16.91 | 16.854 | 16.7115 |  |  |  |  |  |  |
| 2012 | 9.51 | 9.548 | 9.3985 |  | 2005 | 17.13 | 16.914 | 16.7565 |  |  |  |  |  |  |
| 2013 | 9.61 | 9.556 | 9.4355 |  | 2006 | 17.34 | 17.029 | 16.7645 |  |  |  |  |  |  |
| 2014 | 9.57 | 9.581 | 9.462  |  | 2007 | 17.7  | 17.19  | 16.805  |  |  |  |  |  |  |
| 2015 | 9.83 | 9.594 | 9.486  |  | 2008 | 16.38 | 17.022 | 16.8175 |  |  |  |  |  |  |
|      |      |       |        |  | 2009 | 16.47 | 16.913 | 16.849  |  |  |  |  |  |  |
|      |      |       |        |  | 2010 | 16.85 | 16.901 | 16.819  |  |  |  |  |  |  |
|      |      |       |        |  | 2011 | 17.17 | 16.928 | 16.8215 |  |  |  |  |  |  |
|      |      |       |        |  | 2012 | 17.99 | 17.036 | 16.9115 |  |  |  |  |  |  |
|      |      |       |        |  | 2013 | 17.93 | 17.187 | 17.0035 |  |  |  |  |  |  |