注：气候态取1971-2010年共计40年

|  |  |
| --- | --- |
| 1851 | -1.125834 |
| 1852 | -1.407934 |
| 1853 | -1.132221 |
| 1854 | -0.7343464 |
| 1855 | -0.7609015 |
| 1856 | -1.677286 |
| 1857 | -1.189529 |
| 1858 | -1.932566 |
| 1859 | -0.4676325 |
| 1860 | -1.962791 |
| 1861 | -0.7918932 |
| 1862 | -1.071807 |
| 1863 | -1.328939 |
| 1864 | -0.9848297 |
| 1865 | -0.7788816 |
| 1866 | -1.142988 |
| 1867 | -1.292815 |
| 1868 | -0.920532 |
| 1869 | -1.062268 |
| 1870 | -1.480416 |
| 1871 | -1.028655 |
| 1872 | -1.825666 |
| 1873 | -1.375216 |
| 1874 | -1.388398 |
| 1875 | -1.141989 |
| 1876 | -1.563061 |
| 1877 | -0.8602247 |
| 1878 | -1.006544 |
| 1879 | -1.976032 |
| 1880 | -1.237856 |
| 1881 | -0.734115 |
| 1882 | -0.6984923 |
| 1883 | -1.03961 |
| 1884 | -0.0947143 |
| 1885 | -0.8615186 |
| 1886 | -1.266876 |
| 1887 | -1.891794 |
| 1888 | -0.5304211 |
| 1889 | -0.6478259 |
| 1890 | -1.516235 |
| 1891 | -1.064876 |
| 1892 | -1.465406 |
| 1893 | -1.380673 |
| 1894 | -2.481019 |
| 1895 | -0.2441098 |
| 1896 | 0.2674595 |
| 1897 | -0.7514601 |
| 1898 | -0.2459457 |
| 1899 | -0.5419573 |
| 1900 | -0.2269155 |
| 1901 | -1.799892 |
| 1902 | 0.1931613 |
| 1903 | -0.1007794 |
| 1904 | -0.2515491 |
| 1905 | 0.2707084 |
| 1906 | -0.0652094 |
| 1907 | -0.1114995 |
| 1908 | -0.608587 |
| 1909 | -0.3471939 |
| 1910 | -0.0817336 |
| 1911 | -0.4827653 |
| 1912 | -1.003679 |
| 1913 | 0.3798091 |
| 1914 | -1.448 |
| 1915 | 0.04044226 |
| 1916 | -1.29637 |
| 1917 | -1.332087 |
| 1918 | -1.71085 |
| 1919 | -0.8772413 |
| 1920 | -2.506931 |
| 1921 | -1.030424 |
| 1922 | -1.899382 |
| 1923 | -1.129687 |
| 1924 | -1.304606 |
| 1925 | -1.348626 |
| 1926 | -0.4120916 |
| 1927 | -0.612714 |
| 1928 | -1.268488 |
| 1929 | -1.820467 |
| 1930 | -0.1806905 |
| 1931 | -0.1558799 |
| 1932 | -0.716112 |
| 1933 | -1.104483 |
| 1934 | -0.2930303 |
| 1935 | 0.66808 |
| 1936 | 0.2709607 |
| 1937 | -1.035261 |
| 1938 | -0.9846683 |
| 1939 | -1.193739 |
| 1940 | -0.9275053 |
| 1941 | 1.081352 |
| 1942 | -0.7009515 |
| 1943 | -2.645009 |
| 1944 | -1.363294 |
| 1945 | 0.09356618 |
| 1946 | -1.125969 |
| 1947 | -0.7199272 |
| 1948 | -0.1212076 |
| 1949 | 0.08924795 |
| 1950 | -0.2958251 |
| 1951 | -0.4804386 |
| 1952 | 0.4779424 |
| 1953 | -0.2774363 |
| 1954 | 0.9619955 |
| 1955 | -0.9289663 |
| 1956 | -0.4449389 |
| 1957 | -0.920728 |
| 1958 | -1.116386 |
| 1959 | 0.5513716 |
| 1960 | -0.4784432 |
| 1961 | -0.8971725 |
| 1962 | 1.159221 |
| 1963 | -0.1440983 |
| 1964 | 0.4238619 |
| 1965 | 1.417683 |
| 1966 | -0.5452616 |
| 1967 | -0.7352851 |
| 1968 | 0.3180213 |
| 1969 | 1.276495 |
| 1970 | 0.2530886 |
| 1971 | 0.1314544 |
| 1972 | -0.6782905 |
| 1973 | -1.021955 |
| 1974 | -0.595504 |
| 1975 | -0.5573489 |
| 1976 | 0.3321192 |
| 1977 | 0.8482644 |
| 1978 | -1.802207 |
| 1979 | 0.736195 |
| 1980 | 1.555561 |
| 1981 | -1.435131 |
| 1982 | 0.9367532 |
| 1983 | 1.897294 |
| 1984 | -0.4071434 |
| 1985 | -1.045056 |
| 1986 | 0.09879 |
| 1987 | 1.012489 |
| 1988 | 0.2405838 |
| 1989 | 0.1099836 |
| 1990 | -0.7190318 |
| 1991 | 0.7269587 |
| 1992 | 0.4690117 |
| 1993 | 2.253455 |
| 1994 | -1.867719 |
| 1995 | 0.2875321 |
| 1996 | 0.3211987 |
| 1997 | -1.489872 |
| 1998 | 2.057747 |
| 1999 | 0.06293876 |
| 2000 | -0.3347282 |
| 2001 | -0.3155808 |
| 2002 | -0.5979868 |
| 2003 | 1.017674 |
| 2004 | -1.358448 |
| 2005 | -0.0271495 |
| 2006 | -0.5423502 |
| 2007 | -0.0253456 |
| 2008 | -0.1356315 |
| 2009 | 0.3388534 |
| 2010 | -0.459752 |
| 2011 | -0.5592415 |
| 2012 | -1.165398 |
| 2013 | -1.142823 |
| 2014 | 1.003268 |
| 2015 | 1.459451 |
| 2016 | -0.1981198 |
| 2017 | -0.2913827 |
| 2018 | -2.685876 |
| 2019 | 0.3008861 |
| 2020 | 1.344302 |
| 2021 | 0.4332104 |
| 2022 | -0.005968 |