

Date	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1859	-999.9	-999.9	-999.9	-999.9	-999.9	-999.9	11.9	12.4	8.2	-0.3	-4.1	-9.4
1860	-13	-14.9	-6.6	-1.9	4	13.7	15.8	14.1	7.2	1	-3.6	-15
1861	-14.9	-11.8	-5	-2.2	3.2	13.7	18.8	15.7	6.7	3.6	-8	-5.3
1862	-19.1	-17.9	-13.2	-1.4	4.6	11.6	13.2	10.4	7.3	2.3	-0.8	-9
1863	-7.6	-5.2	-6.8	-1.4	3.5	13.2	13	11.5	9.6	3	-3.5	-9.7
1864	-9.7	-11.7	-10	-2.6	2.6	10.6	16.2	10.3	6.9	-5	-12.9	-6.7
1865	-11.4	-16.6	-12.5	-0.9	4.3	10.4	16.6	11.7	7.5	-1.9	-3.7	-5.2
1866	-9	-16.9	-14.9	-1.5	2.7	11.5	12.9	14.9	10.3	2.9	-8.1	-13.8
1867	-20.3	-10.9	-10.9	-6.6	-0.5	8.3	14.6	12.7	6.9	2.8	-11.1	-18.2
1868	-14.6	-14.4	-4.7	-1.7	6.5	12.3	15.4	15.5	6.5	1.8	-5.3	-12.6
1869	-9.3	-9	-7.9	-1.1	4	11.8	14.9	12.1	8.2	-1.4	-5	-6.7
1870	-11	-12.4	-9.3	-0.2	4.6	13.2	15.9	12.2	9	-0.5	-6.9	-14.7
1871	-13.8	-24.7	-3.4	-4.5	3.9	9.7	15.6	12.7	5.7	1.9	-8.8	-14.8
1872	-7.6	-7.8	-8.2	-0.8	4.8	14.5	16.4	12.4	4.9	3.2	-3.2	-11.8
1873	-9.9	-12.2	-8.6	-3.5	3.1	13.2	16.5	13.8	9.6	1.4	-4.5	-10.1
1874	-4.8	-6.9	-7.5	-0.7	3.3	9.5	14	12.3	7.9	5.5	-7	-15.2
1875	-18.7	-9.9	-8.4	-3.1	6.6	11.5	15.7	11.6	6	-1	-8.9	-13.9
1876	-11.2	-13.1	-8.3	-3.5	2.3	14.1	16	12.9	8.5	1	-7.1	-19.1
1877	-14.4	-15.2	-12.6	-5.5	2.5	9.5	15.2	10.6	4.6	-0.3	0.2	-1.7
1878	-9.4	-8.6	-7.3	0.1	5.7	13.2	13.1	12.3	8.9	4.2	-4.2	-9.4
1879	-9	-14.1	-9.3	-1.8	4.5	10.7	15.8	15.6	10	1	-10.9	-8.3
1880	-9	-8.1	-6.6	-1.3	4.6	10.3	13.4	14.6	9.1	-4.6	-9.6	-14
1881	-15.1	-19.1	-12.8	-4.3	2.7	10.3	13.2	13.3	7.3	0.8	-3.6	-6.9
1882	-5.6	-8.5	-6.2	-1.8	5.7	10.9	14.2	16.2	9.4	2.8	-10.9	-13
1883	-11.4	-8.5	-7.4	1	7	15.9	15.4	12.9	6.9	1.3	0.7	-5.5
1884	-9.9	-9.4	-5.3	-2.4	3.4	12	15.6	12.4	9.7	3.8	-3.7	-11.6
1885	-13.5	-7.6	-7.3	-1.2	2.8	9.4	14.9	12.4	6.1	-1.4	-7.2	-11
1886	-15.9	-10.9	-7.7	0	4.6	12.8	17.3	14.8	7.3	3.4	-0.7	-8.8
1887	-4.5	-3.9	-5.9	-1	7	12.3	14.6	13.1	9.6	-1.1	-6	-15.7
1888	-13.3	-16.1	-15	-5.3	3.9	10.7	14.5	12.7	7.5	-1.2	-9.2	-8.6
1889	-8.4	-14.9	-11.1	-1	7.6	14.7	13.9	13.3	8.1	3.9	0.3	-3.5
1890	-7.2	-6.7	-3.9	-0.6	7.3	13.1	14.2	13.7	9.6	0	-6.3	-6.7
1891	-12.3	-4.5	-9.1	-1.1	4.8	9.7	15.9	12.4	7	1.9	-4.9	-7.4
1892	-16.4	-15	-7	-3.1	3.7	10.4	13.6	12.1	8	-0.1	-1	-12.2
1893	-17.3	-21.6	-11.7	-1.6	3.7	11.7	14.1	11.9	5.1	3.2	-6.7	-6.2
1894	-8.6	-7.9	-4.7	1.1	7.2	17.4	16.2	14.3	5	-1.6	-3.1	-6.8
1895	-14.9	-16.4	-10.5	-1	7.6	13.9	14.7	13.4	7.7	1.4	-3.5	-5.1
1896	-9.5	-7.1	-5.6	-0.9	5.8	12.7	18.9	13.1	8.2	1.7	-6.5	-10.4
1897	-11.1	-12.6	-11.6	1.3	9.7	12.3	15.9	13	9.1	3.8	-3.5	-8.9
1898	-6.7	-13.6	-9.8	-1.9	5	12.9	15.7	12.7	8.2	1.6	-4.3	-13.7
1899	-14.4	-15.2	-13.5	-2.5	2.8	11.9	17.2	10.5	8.5	1.1	-3.9	-9.6
1900	-12	-19.6	-9.7	-3	2.9	12	11.4	12.7	5.7	2.5	-2.5	-13.5
1901	-7.2	-18.1	-8.1	-0.6	5	14.9	18	14.1	9.2	5.8	-7.8	-14.2
1902	-15.4	-14.1	-12.5	-4.8	3.4	9.2	11.6	11.9	5.8	-2.4	-5.2	-8.3
1903	-12.5	-7.9	-3.4	-0.3	5.3	11.3	12.6	13	7.9	-2.1	-3.7	-5.3
1904	-4.4	-14.9	-9.9	-0.3	4	11.1	12.8	12.3	8.3	3.8	-7.7	-14
1905	-12.1	-10.5	-6	-3.5	5.6	13.9	15.3	12.8	7.3	-1	-3.9	-7
1906	-7.2	-8.4	-10.9	0.6	6.2	13.2	16.4	11	7.1	2.3	-4.9	-7.3
1907	-14	-6.8	-4.1	0.4	4.1	13.1	13.6	11.1	6.7	3.1	-0.6	-11.5

1908	-10.6	-10.7	-8.4	0.4	4.7	9.7	14.1	14.1	6.8	3.8	-7.5	-6
1909	-5.7	-12.2	-8	-4.3	2.6	11.7	15.4	12.3	8.7	4.7	-8.4	-8.7
1910	-10.3	-4.8	-5.3	-0.4	5.7	11	13.7	11.7	7.5	0.1	-5	-8.2
1911	-8.5	-13	-5.1	-1.5	6.2	9.9	13.8	14	8.2	0.1	-3.8	-4
1912	-15.3	-18.3	-5.6	-2.9	5.5	12.7	15	13.3	6.5	-0.8	-4.4	-7.9
1913	-12.3	-10.1	-7.3	-0.2	6	11.5	17.4	13.5	8.2	-0.3	-1.9	-10.2
1914	-11.7	-9.8	-7.3	0.3	4.8	11.4	17.1	11.5	7.6	0.7	-4.3	-5.4
1915	-13.1	-10.7	-11.9	-1.8	3.8	9.8	17.3	12.2	6.1	0.3	-8.6	-19.7
1916	-9.5	-8	-10.2	-1.1	4	11.4	18.3	11.2	6.3	-1.6	-1.6	-7.7
1917	-14.8	-15	-13.4	-2.9	3.2	12.5	13.8	16.3	7.8	3.6	-5	-9.2
1918	-16.3	-9.7	-5.4	-0.9	4.5	11.8	16.2	11.4	7.5	3.7	0.6	-7.7
1919	-9.1	-16.7	-8	-1.8	7	14.1	17.8	11.9	8.5	0.4	-7.5	-12.2
1920	-12.3	-7.7	-1.8	0.2	7.2	12.2	15.9	13.4	10.4	1.1	-0.5	-6.2
1921	-12.4	-11.4	-3.8	2.9	7.3	12.4	13.4	13.6	7.7	-0.1	-9.8	-8.9
1922	-13.5	-11.7	-8.1	-1.1	5.8	14	15.5	12.5	9.1	0.3	-5.2	-11.8
1923	-6.5	-13.4	-5.6	-2.9	3.9	8.9	14.6	11.1	8.2	1.6	-4.3	-8.7
1924	-9.3	-13.7	-9.4	-1.9	4.7	9.9	17.4	15.8	10.2	5	-3	-4.7
1925	-2.6	-6.7	-10.1	0.3	6.1	12.8	19.8	13.5	8.1	-1.2	-8.1	-12
1926	-13.7	-14.7	-6	-1.7	5.1	11.7	15.5	14.6	7.3	-1.4	-3	-11.2
1927	-12.9	-10.2	-6.5	-0.9	5.2	12.2	19.6	14.9	6.9	-1.4	-10.1	-10.1
1928	-9.6	-11	-5.6	-0.6	6.5	10.2	12.9	13.3	7.9	0	-5.4	-7.9
1929	-11.3	-15.3	-4.8	-3.9	5.2	12.5	13.5	12.6	8.1	2.6	0.2	-0.2
1930	-3.6	-8.5	-6	0.1	8.5	14	17.9	15.2	5.6	2.1	-4	-7.6
1931	-11.8	-11	-8.3	-0.4	6.7	8.7	16.5	13.5	5.4	1.6	0.1	-6.5
1932	-5	-8.6	-6.5	0.2	5.3	10.5	16.6	13.9	7.7	-0.3	-1.8	-1.2
1933	-7	-12.9	-8.9	-1.6	5.6	14	16.3	13.2	7.8	2.1	-6.6	-8
1934	-3.4	-9.2	-5.9	-2.2	7.2	12.3	17.9	15.3	11.9	3	-2.1	-5
1935	-8.5	-9.8	-7.3	-1	3.5	12.3	15.7	12.6	6.7	2.2	0.1	-4.4
1936	-10.8	-17.9	-9.8	-0.8	8.7	16.6	15.7	14.7	8	0.1	-0.6	-1.4
1937	-6.3	-13.7	-7	1.4	9.3	14	18.5	17.4	8	4.4	-1.7	-8.9
1938	-8	-4.1	-4.4	0	5.8	12.9	18.3	15.8	10.1	4.9	1	-3.1
1939	-9.5	-6.8	-6	-1.8	5.9	12	16.4	16.8	7.2	0.5	-1.1	-9.4
1940	-16.4	-14.6	-12.9	-1.9	7.9	13.1	15.1	13.2	9.1	3.4	-4.6	-10.1
1941	-15.1	-11.5	-9.7	-2.6	5.6	11.9	19.7	13.6	7.2	-1.3	-5.4	-15.4
1942	-17.1	-14.3	-11.3	0.3	5.1	12.3	17	14.5	8.4	1.8	-3.5	-8.5
1943	-13	-5.1	-3.4	0.8	7.1	14.6	16.3	13.7	9.3	2.8	-0.8	-3.7
1944	-8	-7.4	-6.4	-2.9	5	11.6	16.7	13.8	8.8	5.1	-1.1	-2.6
1945	-12.7	-7.5	-7.4	1.4	6.6	12.9	18.3	16.6	7.1	-1.6	-4.2	-12.5
1946	-7.4	-13.7	-9	0.3	7	13	18	15	10.2	1.4	-3.9	-2.1
1947	-8.7	-18.4	-14.6	-0.6	7.3	14.9	17.6	13.7	9.9	1.5	-5.6	-9.1
1948	-14.7	-10.2	-4.8	1.5	7.9	12.5	17	11.4	8.3	1.6	-2.9	-3.5
1949	-5.9	-4.7	-7.2	-0.3	7.1	11.8	14.2	12.6	10.2	1.5	-0.4	-6.3
1950	-16.6	-11.1	-6.3	1.5	7.4	14.1	16.1	16	8.3	4.3	-3	-6.6
1951	-15.3	-10.2	-8.4	0.1	3.5	10	12.6	15.5	8.8	5.6	-5.5	-6.4
1952	-8.6	-6.7	-9.7	-0.4	4.7	11.6	14.1	11	5.9	-1.7	-5.6	-10.3
1953	-10.9	-14.4	-4.1	0.5	5.6	16.8	14.4	13.3	6.6	4.2	-0.4	-1.9
1954	-8.9	-15.4	-4	-1.5	8.4	10.1	15.7	13.4	9	0.6	-4.3	-2.7
1955	-13.1	-15.9	-8.9	-4.1	3.2	9.7	15.3	14.3	9.7	0.6	-7.9	-17.8
1956	-13.7	-17.1	-9.7	-4.6	4.7	12.3	14.5	10.9	6.6	0.4	-10.7	-9.2
1957	-7.3	-8.9	-9.7	-1.6	4.4	10	17.8	13.8	7.5	2.4	-2.6	-9.4

1958	-15.6	-13.5	-9.6	-3	4.1	11.9	13.2	13.8	8.3	2.8	0.8	-13.3
1959	-12.6	-5.5	-2.1	-1.3	6.6	12	14.9	13.8	6.3	1.8	-3.7	-8.9
1960	-14.4	-13.6	-6.8	-0.8	9.7	13.9	17.8	14.3	8	-2.7	-5.3	-6.8
1961	-9.5	-6.1	-3.7	-2.3	5.6	14.1	16.7	13	8.2	7.5	-0.2	-10.7
1962	-11.3	-9.5	-14.7	1.2	6.1	10.7	12.9	10.9	6.9	3.7	-1.6	-12.6
1963	-13.9	-13.5	-11.6	0	8.4	11.5	13.6	13.9	10.4	3	-4.9	-8.2
1964	-4.7	-12.7	-8.5	-1.3	6.3	10.3	14.1	13	6.9	5.5	-3.7	-8.8
1965	-10.3	-10.2	-8.4	-1	3.6	12	13.3	11.3	9.4	2.5	-8.4	-13.3
1966	-19.3	-21.1	-12	-3.2	4.7	14.1	15.5	12.4	5.3	0.6	-0.6	-7.9
1967	-18.6	-7.9	-2.6	-0.1	5.8	12	14.3	14.6	9.8	2.6	0.8	-16.7
1968	-18.7	-15.5	-5.9	-0.2	3.5	12.6	13.6	12	5.7	-3.1	-6.8	-3.7
1969	-13.5	-17.1	-10.2	-1.2	4.7	13.2	14.9	15.1	7.3	3.1	-5.1	-9
1970	-11.9	-18.2	-5.2	-2.6	5.9	14.4	16	13.9	7.5	2.2	-7	-6.8
1971	-9.1	-11.7	-11.5	-2.4	5.4	12.9	14.1	13.1	6.9	1.2	-8.8	-7
1972	-10.7	-10.3	-5.8	0.2	5.4	14.3	18.2	13.8	7.8	2.1	-6.2	-1.5
1973	-4.6	-8.8	-4.9	-0.1	5.8	13.9	18.8	12.2	5.1	-1.9	-7.1	-14.6
1974	-6.6	-6.1	-4.8	0.7	5.6	14.3	15.2	13.4	10.3	1.7	-4	-3.7
1975	-8	-5.3	-2.2	-0.7	7.2	10.9	13.6	12.1	9.6	2.7	-1.8	-8.7
1976	-15.8	-9.2	-9	-0.7	7.9	11.9	13.6	13.5	4.8	-0.4	-4.9	-9.1
1977	-10.1	-13.3	-5.2	-1.9	4.7	11	13.8	12.3	6.7	1.7	-3.4	-7.7
1978	-11.1	-16.1	-6	-1.6	7.5	12.6	14.2	12.3	7.1	1.3	-4.9	-18.2
1979	-16.1	-13.4	-4.5	-1.4	5.2	13.2	15.9	14.3	7.8	0.5	-2.4	-7
1980	-13.4	-15.1	-9.4	1.5	6	15.1	16.1	13.3	9	1	-9.1	-12
1981	-10.2	-12.8	-12.5	-0.3	5.1	9.8	14.6	11.9	7.2	2.8	-4.2	-15.9
1982	-16.7	-7.7	-3.2	0.2	5.2	9.5	15	13.6	8.1	2.3	-0.9	-6.3
1983	-7.8	-11	-5.7	2	8.2	12.1	15.3	12.1	9.2	2.4	-9.1	-11.1
1984	-12.9	-6.3	-9.2	0.6	9.1	13.2	13.9	12.5	6.8	3.1	-3.9	-5.5
1985	-20.2	-21.2	-7	-2.6	4.5	12.7	15.5	13.8	8	3.4	-5.2	-16.4
1986	-15.9	-13	-2.7	-1	6	14.5	14.7	10.5	5.2	3.9	-0.2	-13.9
1987	-19.5	-13.2	-9.1	-1.3	5.6	11.6	13.5	10.8	7.4	6.7	-4.8	-12.3
1988	-8.7	-9.8	-5.7	-1.5	6.6	14.6	17.9	13	9.5	2.4	-6.7	-11.1
1989	-5.7	-6.2	-1.4	2	7	13.1	14.4	13.8	9.3	1.4	-2.4	-9.9
1990	-12.8	-1.5	-3.7	0.8	6.9	12.9	15.2	14.1	7.4	3.4	-6.8	-3.3
1991	-8.9	-14.3	-6.3	0.6	4.8	11.1	15.6	14.8	6.7	3.2	-0.4	-4.2
1992	-5.6	-4.7	-1.9	-2.2	7.3	13.9	13	11.2	9.7	-4.9	-6.4	-2.2
1993	-7	-6.8	-4.2	-1.1	7.4	10.2	15.5	12.5	4.6	-0.1	-1.9	-8.3
1994	-14	-16.3	-6.9	1.9	5	12.4	16	14.2	7.9	1.7	-4	-3
1995	-7	-6.3	-2.5	-0.7	5	14.5	13.4	13.2	7.7	3.9	-6.7	-12.7
1996	-6.7	-12.9	-5.8	-0.5	5	11.4	13.9	15.8	7.6	4.4	-2.5	-9.6
1997	-9	-8.3	-3.9	-2.2	4.7	13.5	18.1	14.9	9.3	0.5	-4.1	-7.1
1998	-8.1	-12.7	-8	-1.7	5.9	12.2	16.2	12.4	8.4	2.9	-5.6	-7.7
1999	-13.2	-11	-5.3	1.5	5.3	13.9	15.4	11.7	9.8	3.7	0.5	-10.4
2000	-8.2	-7.7	-4.9	1	7.5	12.5	16.3	13.6	8.6	6.3	0.7	-6.4
2001	-5.7	-12.3	-8.4	0.4	6.1	14.2	16	13.7	10	3.2	-4.3	-10.5
2002	-11.1	-6.1	-5.8	2.3	8.2	15.5	17	16.2	7.8	-1.3	-8.9	-12.7
2003	-16	-6.5	-1.6	-0.2	7.2	12.7	19.1	14.1	8.1	2.1	-1.7	-7.1
2004	-9.7	-9.9	-5.3	0.8	7.3	12.3	16.1	13.9	9.3	2.2	-4.7	-4.6
2005	-5.6	-7.9	-8	1.2	5.4	13.7	17.3	14.8	9.2	4.7	0.8	-7.7
2006	-7.7	-11.9	-10.3	1.6	7.5	12.7	15.3	16.8	9.3	0.5	-3.1	-2.2
2007	-9.5	-14.8	-2.5	1.3	6.5	13.3	15.3	14.2	7.6	5.3	-2.9	-1.1

2008	-5.5	-5.8	-5.7	0.5	6.5	12.1	14.8	12	7	3.4	-3.3	-2
2009	-7.8	-10.9	-4.7	-0.1	8.5	12.6	15.5	15	10.2	-0.4	0.1	-8.5
2010	-14.2	-15.4	-8.1	1.8	10.1	11.9	16.5	12.8	8.7	3.7	-8.1	-12.8
2011	-10.9	-16.3	-5.3	2.5	6.8	14.8	17.8	14	10.6	4.6	1.5	-0.7
2012	-9.4	-13	-2.8	-0.7	6.4	11.7	15.2	13.4	8.5	1.7	-0.5	-11.9
2013	-9.1	-6.9	-9.5	-0.3	10.2	15.2	15.3	14.8	10.8	2.8	-2.1	-3.2
2014	10.3	-1.8	-0.9	1.4	7.4	11.9	19	15.6	10	2.1	-2.1	-4.8