

Christmas Day Weather History for Springfield

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| Normal High and Low Temperature | 36° and 20° |
| Warmest High Temperature | 64° (2019) |
| Coldest High Temperature | 0° (1983) |
| Warmest Low Temperature | 46° (1936) |
| Coldest Low Temperature | -14° (1983) |
| Wettest Christmas | 0.60 inches (1951) |
| Snowiest Christmas | 4.0 inches (1944) |
| Greatest Snow Depth | 10 inches (1915) |
| Frequency of at Least 1" Snow Depth | 27.5% (33 of 120 years). <i>Last with 1": 2017</i> |
| Frequency of Measurable Precipitation | 28.9% (41 of 142 years) |
| Frequency of Mild Temperatures | 10.6% (15 of 142 years) with highs \geq 50° |
| Frequency of Cold Temperature | 15.5% (22 of 142 years) with highs \leq 32° |
| Sunrise and Sunset | 7:18 am / 4:40 pm |

Specific weather data follows. These were measured in downtown Springfield from 1879 to 1947, and at Abraham Lincoln Capital Airport from 1948 to the present.

| Year | High Temp | Low Temp | Precipitation | Snow | Snow Depth |
|------|-----------|----------|---------------|-------|------------|
| 1879 | N/A | N/A | 0.00 | 0.0 | N/A |
| 1880 | 36 | 29 | 0.03 | N/A | N/A |
| 1881 | 46 | 35 | 0.00 | 0.0 | N/A |
| 1882 | 42 | 37 | 0.13 | 0.0 | N/A |
| 1883 | 39 | 28 | 0.00 | 0.0 | N/A |
| 1884 | 14 | 0 | 0.14 | N/A | N/A |
| 1885 | 44 | 32 | 0.00 | 0.0 | N/A |
| 1886 | 35 | 19 | Trace | N/A | N/A |
| 1887 | 26 | 7 | 0.00 | 0.0 | N/A |
| 1888 | 48 | 38 | 0.43 | 0.0 | N/A |
| 1889 | 59 | 42 | 0.00 | 0.0 | N/A |
| 1890 | 31 | 23 | 0.01 | N/A | N/A |
| 1891 | 57 | 27 | 0.00 | 0.0 | N/A |
| 1892 | 26 | 6 | 0.00 | 0.0 | N/A |
| 1893 | 52 | 27 | 0.00 | 0.0 | N/A |
| 1894 | 35 | 30 | 0.00 | 0.0 | N/A |
| 1895 | 39 | 32 | 0.00 | 0.0 | N/A |
| 1896 | 33 | 19 | 0.00 | 0.0 | N/A |
| 1897 | 40 | 21 | 0.00 | 0.0 | N/A |
| 1898 | 28 | 26 | 0.02 | 0.3 | N/A |
| 1899 | 24 | 14 | 0.00 | 0.0 | N/A |
| 1900 | 31 | 18 | 0.00 | 0.0 | N/A |
| 1901 | 35 | 31 | 0.04 | 0.0 | 0 |
| 1902 | 13 | 2 | 0.00 | 0.0 | Trace |
| 1903 | 37 | 2 | 0.01 | 0.0 | Trace |
| 1904 | 34 | 29 | 0.00 | 0.0 | 0 |
| 1905 | 44 | 26 | 0.00 | 0.0 | Trace |
| 1906 | 34 | 23 | 0.00 | 0.0 | Trace |
| 1907 | 39 | 27 | 0.00 | 0.0 | 1 |
| 1908 | 36 | 27 | 0.01 | 0.1 | Trace |
| 1909 | 31 | 10 | 0.15 | 2.3 | 7 |
| 1910 | 38 | 14 | 0.00 | 0.0 | 0 |
| 1911 | 38 | 31 | 0.00 | 0.0 | 0 |
| 1912 | 49 | 29 | 0.00 | 0.0 | 0 |
| 1913 | 34 | 29 | 0.12 | 2.0 | 2 |
| 1914 | 12 | 0 | 0.00 | 0.0 | 3 |
| 1915 | 27 | 21 | 0.02 | 1.7 | 10 |
| 1916 | 35 | 19 | 0.00 | 0.0 | Trace |
| 1917 | 28 | 15 | 0.00 | 0.0 | 0 |
| 1918 | 24 | 15 | 0.02 | 0.3 | 1 |
| 1919 | 35 | 17 | 0.00 | 0.0 | 0 |
| 1920 | 27 | 8 | 0.28 | 0.8 | 2 |
| 1921 | 21 | 15 | 0.00 | 0.0 | Trace |
| 1922 | 57 | 33 | 0.00 | 0.0 | 0 |
| 1923 | 44 | 34 | 0.07 | 0.0 | 0 |
| 1924 | 5 | 0 | 0.00 | 0.0 | 2 |
| 1925 | 36 | 8 | 0.00 | 0.0 | Trace |
| 1926 | 22 | 14 | 0.00 | 0.0 | Trace |
| 1927 | 39 | 21 | 0.00 | 0.0 | 0 |
| 1928 | 47 | 28 | 0.00 | 0.0 | 0 |
| 1929 | 33 | 23 | 0.00 | 0.0 | 3 |
| 1930 | 47 | 32 | 0.00 | 0.0 | 0 |
| 1931 | 44 | 33 | 0.00 | 0.0 | 0 |
| 1932 | 48 | 31 | 0.00 | 0.0 | 0 |
| 1933 | 21 | 15 | 0.00 | 0.0 | 0 |
| 1934 | 32 | 25 | 0.38 | Trace | 1 |
| 1935 | 24 | -1 | 0.15 | 2.2 | 3 |
| 1936 | 61 | 46 | 0.00 | 0.0 | 0 |
| 1937 | 35 | 24 | 0.00 | 0.0 | 0 |
| 1938 | 37 | 29 | 0.00 | 0.0 | 0 |
| 1939 | 41 | 25 | 0.00 | 0.0 | Trace |
| 1940 | 51 | 45 | 0.20 | 0.0 | 0 |
| 1941 | 41 | 37 | 0.28 | 0.0 | 0 |
| 1942 | 41 | 36 | 0.00 | 0.0 | 0 |
| 1943 | 41 | 24 | 0.00 | 0.0 | Trace |
| 1944 | 32 | 6 | 0.40 | 4.0 | 5 |
| 1945 | 37 | 26 | 0.05 | 0.8 | 6 |
| 1946 | 50 | 25 | 0.00 | 0.0 | 0 |

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| Year | High Temp | Low Temp | Precipitation | Snow | Snow Depth |
|------|-----------|----------|---------------|-------|------------|
| 1947 | 41 | 22 | 0.00 | 0.0 | 0 |
| 1948 | 24 | 5 | 0.00 | 0.0 | 1 |
| 1949 | 44 | 36 | 0.39 | 0.0 | 0 |
| 1950 | 28 | 19 | 0.00 | 0.0 | 0 |
| 1951 | 33 | 25 | 0.60 | 0.0 | 2 |
| 1952 | 29 | 22 | 0.02 | 0.2 | 0 |
| 1953 | 37 | 23 | 0.00 | 0.0 | 1 |
| 1954 | 47 | 31 | 0.00 | 0.0 | 0 |
| 1955 | 47 | 31 | 0.00 | 0.0 | 0 |
| 1956 | 35 | 26 | 0.04 | 0.4 | 0 |
| 1957 | 48 | 35 | 0.42 | 0.0 | 0 |
| 1958 | 44 | 20 | 0.00 | 0.0 | 0 |
| 1959 | 53 | 37 | 0.00 | 0.0 | 0 |
| 1960 | 45 | 23 | 0.00 | 0.0 | 5 |
| 1961 | 32 | 13 | 0.00 | 0.0 | 0 |
| 1962 | 29 | 15 | 0.05 | 1.1 | 0 |
| 1963 | 42 | 14 | 0.00 | 0.0 | 2 |
| 1964 | 29 | 17 | 0.18 | 0.0 | 0 |
| 1965 | 32 | 21 | 0.04 | 0.4 | 1 |
| 1966 | 28 | 14 | 0.00 | 0.0 | 0 |
| 1967 | 34 | 13 | 0.05 | 0.2 | 0 |
| 1968 | 21 | 13 | 0.04 | 0.4 | 0 |
| 1969 | 29 | 24 | 0.00 | 0.0 | 4 |
| 1970 | 28 | 12 | 0.07 | 0.7 | 0 |
| 1971 | 55 | 35 | 0.00 | 0.0 | 0 |
| 1972 | 33 | 30 | 0.00 | 0.0 | 0 |
| 1973 | 42 | 34 | 0.00 | 0.0 | 2 |
| 1974 | 29 | 20 | 0.00 | 0.0 | 0 |
| 1975 | 33 | 30 | 0.10 | 1.1 | 1 |
| 1976 | 36 | 20 | 0.00 | 0.0 | 0 |
| 1977 | 21 | 10 | 0.01 | 0.1 | 0 |
| 1978 | 37 | 18 | 0.00 | 0.0 | 0 |
| 1979 | 39 | 34 | 0.00 | 0.0 | 0 |
| 1980 | 16 | -9 | 0.00 | 0.0 | 1 |
| 1981 | 35 | 16 | 0.00 | 0.0 | 7 |
| 1982 | 62 | 35 | 0.15 | 0.0 | 0 |
| 1983 | 0 | -14 | 0.00 | 0.0 | 7 |
| 1984 | 28 | 4 | 0.00 | 0.0 | Trace |
| 1985 | 12 | -3 | Trace | Trace | Trace |
| 1986 | 32 | 25 | Trace | Trace | 0 |
| 1987 | 36 | 32 | 0.17 | 0.4 | 0 |
| 1988 | 35 | 22 | 0.00 | 0.0 | 0 |
| 1989 | 38 | 18 | 0.01 | 0.1 | 3 |
| 1990 | 29 | 8 | 0.00 | 0.0 | 4 |
| 1991 | 46 | 25 | 0.00 | 0.0 | 0 |
| 1992 | 33 | 18 | 0.00 | 0.0 | 0 |
| 1993 | 28 | 12 | 0.03 | 0.6 | 1 |
| 1994 | 50 | 26 | 0.00 | 0.0 | 0 |
| 1995 | 30 | 17 | Trace | Trace | 2 |
| 1996 | 20 | 7 | Trace | 0.0 | 0 |
| 1997 | 33 | 29 | Trace | Trace | Trace |
| 1998 | 33 | 15 | 0.00 | 0.0 | Trace |
| 1999 | 37 | 8 | 0.00 | 0.0 | 2 |
| 2000 | 15 | -9 | 0.00 | 0.0 | 5 |
| 2001 | 27 | 12 | 0.00 | 0.0 | 0 |
| 2002 | 26 | 21 | 0.01 | 0.2 | 5 |
| 2003 | 39 | 18 | 0.00 | 0.0 | 0 |
| 2004 | 31 | 13 | Trace | Trace | 0 |
| 2005 | 36 | 33 | 0.23 | 0.4 | 0 |
| 2006 | 38 | 32 | 0.00 | 0.0 | 0 |
| 2007 | 49 | 22 | 0.00 | 0.0 | 0 |
| 2008 | 33 | 12 | 0.00 | 0.0 | 0 |
| 2009 | 50 | 21 | 0.36 | 0.3 | 0 |
| 2010 | 30 | 26 | 0.03 | 0.5 | 5 |
| 2011 | 48 | 29 | 0.00 | 0.0 | 0 |
| 2012 | 29 | 22 | 0.00 | 0.0 | 0 |
| 2013 | 32 | 22 | Trace | Trace | Trace |
| 2014 | 49 | 34 | 0.00 | 0.0 | 0 |
| 2015 | 49 | 35 | 0.00 | 0.0 | 0 |
| 2016 | 58 | 37 | 0.04 | 0.0 | 0 |
| 2017 | 22 | 6 | 0.00 | 0.0 | 2 |
| 2018 | 50 | 31 | Trace | 0.0 | 0 |
| 2019 | 64 | 39 | 0.00 | 0.0 | 0 |
| 2020 | 21 | 6 | Trace | Trace | 0 |

Christmas Day Weather History for Springfield

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|-------------------------|--|
| Days with Highs | < 10: 2 10-19: 6 20-29: 32 30-39: 56 40-49: 29 50-59: 12 60-69: 3 |
| Days with Lows | < 0: 5 0-9: 17 10-19: 34 20-29: 48 30-39: 33 40-49: 3 |
| Days with Precipitation | Dry: 88 Trace: 10 0.01-0.10": 24 0.11-0.25": 10 0.26-0.50": 8 0.51-0.75": 1 |
| Days with Snowfall | None: 103 Trace: 10 0.1 to 0.4": 14 0.5 to 0.9": 5 1.0 to 1.9": 3 2.0 to 2.9": 3 3.0" or more: 1 |
| Days with Snow Depth | None: 70 Trace: 16 1": 9 2": 9 3": 4 4": 2 5": 5 6" or more: 5 |