

Richmond Virginia Weather Records

LOCATION

City Office/ Chimborazo Park 1897- 1929
KRIC Richmond International Airport 1930- Present (2014) (updated annually)
Latitude: N 37 ° 31 ' Longitude: W 77 ° 19'
Altitude: 167 feet or 50 Meters
Summary of Climatological Data for January 1, 1897 to March 31, 2014

TEMPERATURE

117 years of data

All 30 year averages (1981 to 2010 average) are from the NWS Records

High = 61.10 °F **Warmest Year** 2012
Mean = 58.90 °F **An Average Year** based on 30 years
Mean = 58.14 °F **An Average Year** based on 117 years
Low = 54.06 °F **Coolest Year** 1940

SEASONAL AVERAGES

Based on 117 years

	Maximum	Minimum	Average
Spring	62.4 °F - 2012	53.0 °F-1931	57.0 °F
Summer	81.3 °F - 2010	72.2 °F - 1927	76.4 °F
Autumn	64.1 °F - 1900	54.8 °F - 1917	59.6 °F
Winter	46.6 °F - 1931-32	31.8 °F - 1935-36	39.2 °F

TEMPERATURE EXTREMES

Hottest Day **Highest Maximum** daily temp. = 107 ° on August 6, 1918
2nd Hottest Day **Highest Maximum** daily temp. = 106 ° on August 7, 1918

Coldest Day **Lowest Maximum** daily temp. = 11 ° on February 11 & 12, 1899
Warmest Night **Highest Minimum** daily temp. = 81 ° July 12, 2011

Coldest Night **Lowest Minimum** daily temp. = -12 ° on January 29, 1940
2nd Coldest Night **Lowest Minimum** daily temp. = -11 ° on January 26, 1940

100 °F Maximum Days

Earliest 100 °F day was May 28, 1941
Most 100 °F days in a year 10 days in 2010
Second most 9 days in 1954
Most consecutive days of 100 °F was 5 days in 1953 from Aug. 29th to Sep. 2nd
Latest 100 °F day in a year was September 11, 1983
Hottest Day/s (Highest Daily Mean) 92.0 °F on July 24-25, 2010

90 °F Maximum Days

Earliest 90 °F day in the year was March 17, 1945 when the high temperature was 91 °F
Latest 90 °F day was October 16th, 1897 when the high was 90 °F

The **Most** 90 °F days in a month was 26 days in July 1993.
The **Most** 90 °F days in a year was 78 days in 2010 and 2nd most 70 days in 1977
The **Most** consecutive days of 90 °F was 27 days in 1995 from Jul. 11th to August 6th.

The 113 year **average** number of 90 °F days in a year is 39.3 days.
The 30 year **average** number of 90 °F days in a year is 41 days. (average 1971-2000)

The Least 90 °F days in a year was 14 days in 1971, 1927, 1917 also 15 days in 1922.
The Latest first 90 °F day in a year occurred on July 2, 1972

70 °F Maximum Days

The **most** 70 °F or above days in a winter season was 13 days in 1975-1976.

The 30 year **ave.** number of ≥ 70 °F days in a winter season was four. (1971 to 2000 ave.)

Most consecutive days of ≥ 70 °F days in a winter season was 6 days in 1998 from December 3rd to 8th.

70 °F Minimum Days

The **earliest** minimum temperature of 70 °F or above in the year was May 2, 2010 when the **high** minimum or first warm night of the year was 72 °F.

The **latest** minimum temperature of 70 °F or above in the year was November 2, 1971 when the **high** minimum or last warm night of the year was 70 °F.

First and Last Freezing Days

Earliest last freezing day in the spring was Mar. 11, 2012 when the temperature was 30 °F.

The **average** last freezing day in the spring was Apr. 8th, 1946. (1971 to 2000 average)

Latest last freezing day in the spring was May 11, 1966 when the temperature was 32 °F. Only 2 other nights in May with less than or equal to 32°F (May 4, 1986 32°F) & (May 9, 1956 31°F)

Earliest first freezing day in the autumn fall was Oct. 3rd, 1974 when the temperature was 31 °F.

The **average** last freezing day in the autumn is October 29th. (1971 to 2000 average)

Latest last freezing day in the autumn (astronomically) was Dec. 2nd, 1985 when the temperature was 30 °F. A close second was Dec. 1, 2009 which was also 30°F

Growing Season

Longest growing season with temperature > 32 °F was 246 days in 1946.

Average growing season with temperature > 32 °F is 203 days.

Shortest growing season with temperature > 32 °F was 173 days in 1976.

32 °F Minimum Temperature

The **Most** nights when the minimum was ≤ 32 °F in a month was 31 days in Jan 1977 and Dec 1960. The 2nd greatest number was 30 days in Jan 1918, and Dec. of 1963 and 2000.

Most minimum was ≤ 32 °F in a year was 114 days in 1941.

Least minimum was ≤ 32 °F in a year was 51 days in 1990.

0 °F Minimum Temperature

Earliest 0 °F or less min. in the winter was Dec. 21st, 1942 when the low temp. was -1 °F.

Latest 0 °F or less min. in the winter was Feb. 28th, 1934 when the low temp. was -1 °F.

The **Most** ≤ 0 °F days in a winter season was 7 days in winter of 1939-1940.

The **Most** ≤ 0 °F days in succession was 6 from January 25 to January 30, 1940.

PRECIPITATION

Total for 141 years = 6084.20 inches - precipitation starting in 1872

Maximum annual = 72.02 Inches in 1889 or a departure of +29.47 inches

Average annual = 42.55 Inches for a 142 year average

Average annual = 43.60 Inches for a 30 year average (1981 to 2010 average)

Minimum annual = 22.91 Inches in 1941 or a departure of -19.94 inches

Average Wettest month July

= 4.81 inches 141 year average

Average Wettest month August = 4.66 inches 30 year average (1981 to 2010 average)

Average Driest month November = 2.74 inches 141 year average

Average Driest month February = 2.76 inches 30 year average (1981 to 2010 average)

Most precipitation in a month 18.87 inches in July 1945
Most precipitation in a day was 8.79 inches in August 12, 1955. (Hurricane Connie)
Least precipitation in a month 0.01 inches in Oct. 2000
Total measurable precipitation occurred on 14,925 out of 46,021 days or 32.4%.
Most precipitation days with measurable precip. in a year was 151 days in 1889.
Most precipitation days with measurable precip. in a month was 23 days in May of 2003.
126 year average precipitation days with measurable precip. in a year was 116.6 days.
30 year average precipitation days with measurable precip. in a year was 115 days. (1971 to 2000 average)
Least precipitation days with measurable precip. in a year was 86 days in 1941
Least precipitation days with measurable precip. in a month was 1 day in October 2000.

Seasonal Averages Precipitation

All 126 year averages

Spring	Summer	Autumn	Winter
10.65 inches	13.41 inches	9.42 inches	9.34 inches
2.4 days >=1.00	3.7 days >=1.00	2.6 days >=1.00	2.0 days >=1.00

Snow

Total Snowfall from 1898 or 116 years = 1489.0 inches

Maximum annual snowfall = 47.0 inches in 1962
116 Year Average annual snowfall = 7.8 inches
30 Year Average annual snowfall = 11.9 inches (1971 to 2000 average)
Minimum annual snowfall = 0.0 inches in 1951

Maximum monthly snowfall = 28.5 inches in January 1940
Greatest Storm total = 21.6 inches on January 23-24th, 1940
Largest snowfall in one day = 19.9 inches on January 24th, 1940
Greatest snow depth = 22 inches on January 24, 1940.
Greatest (seasonal) snowfall total = 35.6 inches winter of 1966-1967
2nd greatest (seasonal) snowfall = 31.7 inches winter of 1939-1940
Snowfall (seasonal) = 27.6" The winter of 2009-2010 was the 8th greatest seasonal total

Most annual measurable snow days 16 days in 1962 & 1904 --- Also 15 days in 1966 & 1912
Month with the maximum number of snow days = 8 days in January 1918
The latest measurable snowfall in spring was 0.2 inches on April 21, 1953.

The earliest trace of snowfall in autumn was on October 10, 1979.
The latest trace or more of snowfall in spring was 0.2 inches on April 21, 1953.
But May 4, 1774 might have had a trace of snow

May 4, 1774: Snow was reported in the Williamsburg Gazette to have fallen in Dumfries, Va. George Washington at Mount Vernon, logged in his diary a cold day with spits of snow and a hard wind from the northwest. Thomas Jefferson near Charlottesville observed the Blue Ridge Mountains covered with snow. The late-season snow and frost killed most of the fruit crop in the northern part of the state.

The earliest measurable snowfall in autumn was 0.9 inches on November 5, 1962.

Seasonal Average Snowfall (116 Year Average)

Spring	Autumn	Winter
2.3 inches	0.3 inches	10.1 inches

Barometric Pressure at Mean Sea Level

Highest barometer = 1051mb or 31.04 inches Feb 13, 1981
Lowest barometer = 965 mb or 28.51" on March 13, 1993

Highest Winds

Maximum wind gust was 79 mph on October 15, 1954. (Hurricane Hazel)
Maximum sustained winds was SE at 68 mph October 15, 1954 mph. (Hurricane Hazel)
Second greatest wind speed:
Maximum wind gust was 73 mph on September 18, 2003. (Hurricane Isabel)

Maximum sustained winds were 38 mph on September 18, 2003
mph (Hurricane Isabel) and Richmond
received 4.32 inches of rain.