

# July 2019

## Springfield Park, Glen Allen, Virginia

July was the 3<sup>rd</sup> hottest, 3<sup>rd</sup> lowest precipitation and the 3<sup>rd</sup> clearest skies of the past 11 years.

The mean temperature of 81.8°F which was 1.9°F departure from the 11-year average and the 3<sup>rd</sup> hottest July on record. The highest mean temperature for July was 82.7°F in 2012. This July had 24 days with temperatures of ≥90°F which was a new record number of days for July; the July average is 16.7 days. Springfield Park had 13 consecutive days of ≥90°F from July 10<sup>th</sup> to July 22<sup>nd</sup>. The max. temperature was 102.3°F on the 21<sup>st</sup> and the 3<sup>rd</sup> highest on record for July. The average maximum temperature for July is 98.7°F at Springfield Park. The lowest minimum temperature was 62.5°F on the 25<sup>th</sup> which was the 3<sup>rd</sup> highest on record for July.

The high temperature range for July was 29.9°F on the 2<sup>nd</sup> and the lowest monthly daily temperature range was 13°F on the 23<sup>rd</sup>. The average temperature range for July was 22.0°F which was the 3<sup>rd</sup> highest in the past 11 years. The higher temperature range was caused by the drier conditions and lower relative humidity at Springfield Park. The Richmond International Airport had 3.54 inches more rain than Springfield Park. The drier conditions at Springfield Park resulted in higher daytime temperatures than at the Airport.

Springfield Park had only 2.68 inches of precipitation a departure of -1.71 inches and the Richmond International Airport had 6.22 inches a departure of +1.71 inches. (Unusual coincidence) Rainfall from thunderstorms was quite variable for July over the area. Springfield's 2.68 inches monthly precipitation was the 3<sup>rd</sup> driest for July in the past 11 years with only 8 days of measurable precipitation. The maximum precipitation recorded in a calendar day was 1.05 inches which was the 3<sup>rd</sup> lowest on record. Twenty of the July mornings were clear which tied with 2011 for the 11-year record for July.

The highest wind gust was 30 mph from the NNW on the 11<sup>th</sup> at 1900 hours the 4<sup>th</sup> highest on record for July. The average relative humidity of 72.4 percent was 4.4% lower than 2018. The highest barometer of 30.31 inches on the 27<sup>th</sup> tied for the 3<sup>rd</sup> highest on record for July.

## Richmond International Airport

The Richmond International Airport's average mean temperature was 81.5°F which was a departure of 2.2°F and was the 6<sup>th</sup> warmest since 1897 and the 7<sup>th</sup> warmest since 1880. The average maximum temperature was 92.3°F, a 2.6°F departure and is the 7<sup>th</sup> warmest since 1897. The average minimum was 70.8°F which was a 1.9°F departure and is the 15<sup>th</sup> warmest since 1897. July had 22 days with temperatures of ≥90°F. The Airport had 12 consecutive days of ≥90°F from the 11<sup>th</sup> to the 22<sup>nd</sup>. July also had 20 nights the low temperature was 70°F or higher; the average is 14.4 for the 123-year period. The maximum daily temperature range for the month was 29°F on the 2<sup>nd</sup> and the minimum range was 10°F on the 23<sup>rd</sup>. The highest monthly temperature was 100°F on the 21<sup>st</sup>. The lowest maximum temperature was only 76°F on July 23<sup>rd</sup> which was a record low maximum temperature for the date.

The Airport had 6.22 inches of precipitation which was a departure of +1.71 inches and made July the 36 wettest July since 1887. The Airport had 11 days of measurable precipitation.

### The Richmond International Airport had 2 daily records set in July.

July 4<sup>th</sup> the 2.05 inches of rain set a new daily record; the previous record was 1.57 inches in 1981. July 23<sup>rd</sup> the record low maximum temperature of 76°F for the date: the previous record was 77°F in 1973 and 1947