

July 2019

Springfield Park, Glen Allen, Virginia

July was the 3rd hottest, 3rd lowest precipitation and the 3rd 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 3rd 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 10th to July 22nd. The max. temperature was 102.3°F on the 21st and the 3rd 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 25th which was the 3rd highest on record for July.

The high temperature range for July was 29.9°F on the 2nd and the lowest monthly daily temperature range was 13°F on the 23rd. The average temperature range for July was 22.0°F which was the 3rd 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 3rd 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 3rd 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 11th at 1900 hours the 4th 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 27th tied for the 3rd 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 6th warmest since 1897 and the 7th warmest since 1880. The average maximum temperature was 92.3°F, a 2.6°F departure and is the 7th warmest since 1897. The average minimum was 70.8°F which was a 1.9°F departure and is the 15th warmest since 1897. July had 22 days with temperatures of ≥90°F. The Airport had 12 consecutive days of ≥90°F from the 11th to the 22nd. 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 2nd and the minimum range was 10°F on the 23rd. The highest monthly temperature was 100°F on the 21st. The lowest maximum temperature was only 76°F on July 23rd 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 4th the 2.05 inches of rain set a new daily record; the previous record was 1.57 inches in 1981. July 23rd the record low maximum temperature of 76°F for the date: the previous record was 77°F in 1973 and 1947