

# June 2018

## Glen Allen Springfield Park

June had a large difference in total precipitation between the Glen Allen Springfield Park station and the Richmond International Airport. The 8.43 inches monthly precipitation at Glen Allen was a positive departure of +4.28 inches but the Airport had a +9.39-inch departure. Glen Allen had 12 days in June with measurable precipitation and a very wet period from the 2<sup>nd</sup> to the 11<sup>th</sup> with 6.60 inches of rain. The Airport had 4.89 inches more precipitation this month than Springfield Park. Thunder was heard on 8 days during June but none of the thunderstorms were severe. The 3.08 inches on the 2<sup>nd</sup> was the greatest rainfall in a calendar day for June and the 8.43 inches for the month was the greatest on record for June and the most in a 24-hour period for June. The 2.63 inches in one hour on the 2<sup>nd</sup> also set a new hourly maximum for Springfield Park. The 0.53 inches of rain in 5 minutes is also a new rainfall intensity record for June.

The mean temperature for June was 76.4°F with a + 0.3°F departure. The highest temperature for the month was 97°F on the 19<sup>th</sup> and 8 days had a maximum temperature  $\geq 90^\circ\text{F}$  (average is 10.1 days). But there were 9 days the minimum temperature was 70°F or above and the average is 9 days. The maximum temperature for June was 86.6°F a -0.2°F departure. The minimum temperature average for June was 66.6°F a +0.9°F departure and only 2 years were warmer in the past 9 years. The lowest temperature was 56.6°F on the 9<sup>th</sup>. The highest dew point temperature for June was 82.3°F on the 19<sup>th</sup> at 1337 but this reading is thought to be about +2°F high.

The maximum wind for June at this station was 32 mph on the 19<sup>th</sup> at 1750 in a thunderstorm. Glen Allen hasn't had two consecutive record-breaking precipitation months since November and December of 2009.

## Richmond International Airport

The Richmond International Airport had 13.32 inches of precipitation for June which was a +9.39-inch departure, making it the wettest June on record. Only July, August, and September have recorded more precipitation in one month. The Airport's June total precipitation was so large because the Airport had 7.61 inches of rain on the 22<sup>nd</sup>. The Richmond International Airport had two daily records for June. The 7.61 inches on the 22<sup>nd</sup> was a new record precipitation for the date; the previous record was 2.98 inches in 1991. This was also the second most precipitation to ever occur in a calendar day.

The min. temperature of 74°F on the 19<sup>th</sup> tied the record for the date set in 2015 and 1984 for the highest minimum temperature for the date.

The Airport's minimum temperature for June was 66.9°F a +2.4°F departure and the 8<sup>th</sup> warmest since 1897. The Airport's minimum temperature for June was 58°F on the 4<sup>th</sup> and only four years have had a higher minimum temperature for June since 1897.

The Airport's maximum temperature for June was 86.4°F a +0.3°F departure. The Airport's maximum temperature for June was 98°F on the 19<sup>th</sup>.

The Airport's mean temperature for June of 76.7°F was a +1.4°F departure and the 14<sup>th</sup> warmest since 1897. The max temperature range was 27°F on the 8<sup>th</sup> and 16<sup>th</sup> and only three years have had a lower maximum temperature range for June. The average range was 16.9 °F, a -1.8 °F departure and the lowest range was 7 °F on the 11<sup>th</sup>.

7.61 inches of rain fell at Richmond International Airport on the 22<sup>nd</sup> and is second only to Aug. 12, 1955, when Hurricane Connie brought 8.79 inches. The storm that triggered the serious flash flooding in eastern Henrico County registered an unprecedented rate of rainfall at the airport gauge. The one-hour total between 3:54 and 4:54 AM was 4.09 inches, which appears to be the highest in hourly records there dating back to 1948 and 1.25 inches of rain fell in just 9 minutes around 4 AM. Richmond's 13.08 inches for June with 11 days of precipitation makes it the wettest June on record and easily beats the previous high mark of 9.93 inches in June 2004. There were only 11 days with precipitation but 4 days had more than one inch of rain. This Airport event was not representative of the overall rainfall on the morning of the 22<sup>nd</sup> as it occurred in only a small part of the Richmond metro area. Officially now 2018 has had the wettest May and June on record at Richmond. Richmond hasn't had two consecutive record-breaking precipitation months since November and December of 2009.