

September 2017

Glen Allen

September was a temperature dichotomy with below average temperatures until the 13th and then above average temperatures for most of the rest of September. The monthly mean temperature was 70.5°F a -1.1°F departure when compared to the 9-year average. The lowest minimum temperature for the month was 48°F on the 10th. The month's maximum temperature of only 89.5°F on September 24th was -1.8°F below the 9-year average monthly maximum. On the 22nd the highest heat index for the month was only 99.2 the third lowest for September. The average ground temperature at a foot averaged 71.9°F a new minimum record for September. There was only 1 night in the month that the minimum didn't drop below 70°F.

The 2.75 inches of precipitation for September was a negative 1.26 inch departure. The precipitation was also a dichotomy with 2.74 inches in the first 14 days and only 0.01 inches in the last 16 days. September ended in a continuing very dry period of 12 days without any rain that will continue into October.

September was the 4th clearest in the past 9 years and the average temperature range was 20.2°F degrees the fourth highest on record.

The low barometric pressure was 29.77 inches which was the second highest minimum pressure and the maximum pressure was 30.41 inches which was a new record for September.

Richmond International Airport

The Richmond Airport had a mean temperature of 71.1 degrees which was a departure of +0.5 degrees. The September mean temperature has been warmer 48 years since 1897. The average minimum temperature was 60.8°F which was a departure of +0.7°F. The lowest minimum temperature for September was 51°F.

The Airport set two daily records. The high minimum temperature during the month was 72°F on the 27th; the previous record for the date was 71°F in both 1920 and 1900. The daily mean temperature for the 2nd was 62°F making this the coolest September 2nd since 1897; the previous record was 62.5°F in 1915.

The Richmond International Airport recorded only 1.48 inches of precipitation giving a departure of -2.65 inches or the 28th driest September in the past 130 years. The Airport had only 7 days with measurable precipitation which was the least in September since 2013. This is also the driest September since 2014 when only 1.35 inches of precipitation occurred.

The hurricane season has been very active this year with three major hurricanes of the season so far Harvey, Irma, and Maria. The Richmond area has been very fortunate not to be affected by any of these strong storms.