

Glen Allen Summary March 2017

March was average in temperature and the third driest on record at Glen Allen. The monthly mean temperature was 48.8°F, a +0°F departure based on an 8-year average. Glen Allen had 14 days that the minimum temperature was $\leq 32^\circ\text{F}$. The 80.3°F on the first day of the month was the maximum temperature for March. The minimum temperature for March was 20.2°F on the 15th. In March of 2012, Glen Allen had 6 days that the maximum temperature was $\geq 80^\circ\text{F}$; this month had only one. March had 7 days that the high temperature was $\geq 70^\circ\text{F}$ and the average is 6.6 days but March 2012 had 19 days. The maximum temperature range for March was 34.7°F on the 24th which was the second lowest maximum range on record for the month at this station. The average ground temperature at one foot for the month was 49.9°F which was a +1.7° departure and in part was caused by the very warm February. Glen Allen had a higher average ground temperature for March only in 2012 & 2016.

The 2.78 inches of precipitation for March was a -1.00-inch departure on the 8-year average. The most precipitation in a 24-hour period was 1.13 inches on the 13th and 14th. The 1.03 inches of rain on the 31st represented 37% of the month's precipitation. Of the 11 days with measurable precipitation, 6 were ≤ 0.10 inches. The total snowfall was a trace for the month, a departure of -3.6 inches for March.

The maximum wind gust during March was 46 mph which occurred on the 1st at 1146 hours from the south, the highest on record for March.

The cloudiness was just a little less than average for the month.

The highest barometer was 30.74 inches on the 5th which is the second highest March barometric pressure for Glen Allen. The lowest was only 29.55 inches on the 14th of March

Richmond International Airport

The mean temperature for March was 49.0°F which was +0.4°F above the thirty year mean temperature. This was the 49th warmest March on record. This March had 8 days that the high temperature was greater than or equal to 70°F. This March had 13 days that the minimum temperature was $\leq 32^\circ\text{F}$ and only 27 years of the 120 years had more. The lowest overnight minimum for this month was 22°F on the 16th.

The lowest daily temperature range for March was 13°F on the 30th which tied for the highest minimum daily temperature range for the month of March in the past 120 years.

The total precipitation for March was 3.68 inches, and since 1897 there have been 59 times that more precipitation occurred in the month of March. The average March precipitation is 3.91 inches which was a deficit of 0.23 inches.

The total snow for March was a trace which occurred on 4 days and was a departure of -0.6 inches on the 30-year average. The last year with only a trace of snow in March was 2011 and the last March with no snow was 2007. Only 24 years have had no snow in the month of March in Richmond.

The Richmond International Airport had three daily records this March.

Mar 01st 81°F new record maximum for the 1st; the previous record was 80°F in 1976 and 1918.

Mar 01st 68.5°F new record mean the for the 1st; the previous record was 66°F in 1976

Mar 31st 1.45 inches of precipitation on the 31st; the previous record was 1.15 inches in 1935.