

October 2017

Glen Allen

Glen Allen had the warmest October on record and from the 6th to the 16th it was cloudy and wet with low temperature ranges. The last half of the month was sunny with large temperature ranges and heavy dews but no killing frost.

The monthly mean temperature was 63.5°F +3.8°F departure when compared to the nine-year average. The month's maximum average temperature of 74.7°F and minimum average of 52.4°F were both the highest on record for October. The lowest minimum temperature was 37.5°F on the 18th which tied for the highest minimum temperature on record for October. October the 8th to the 10th was like July as the low temperature of 74°F was recorded on the 8th and 9th both record high minimums for the month of October. On the 10th the dew point was an unbelievable 77.5°F at 1529 also a new record for Glen Allen. The average dew point of 56.1°F for the month was also a record high for October. The month also had the highest average ground temperature at one foot on record.

The 5.82 inches of precipitation made October the wettest on record and on the 11th, 24th, and 29th had more than one inch. Three days in October with more than one inch of rain is a new record and there were ten days with measurable precipitation.

The maximum wind gust of 27 mph on the 9th was the lowest on record for the maximum wind gust for October. The lowest pressure of 29.24 inches was the second lowest on record. The record was set by Sandy in 2012 with a low of 28.96 inches. The cloudy days of the first part of the month and clear days of the second half of the month many the average cloudiness for October near average.

Richmond International Airport

Eight records were found in the Richmond records for October. The 8th and 10th were the warmest October days on record for the date. The daily mean on the 8th was 79.0°F; the previous record, since 1897, was 78.5°F in 2007. The daily mean on the 10th was 79.0°F; the previous record, since 1897, was 77.5°F in 1939. The 4°F temperature range on the 14th tied the record, since 1897, for the date with 1914 and 1912. The 1.91 inches of rain on the 11th was a new rainfall record, since 1872, for the date; the previous record was 1.51 inches in 1902. There were also four new record high minimum temperatures set on the 8th, 9th, 10th, and 11th.

The October mean temperature was 63.6°F which was the 10th warmest October since 1880 and was a +3.9° departure from average. Note there is a tie for 8th place of 64.27°F for the mean temperatures between 1884 and 1887. The high minimum temperature of 73°F on the 8th and 9th was only 1 degree from tying the record highest minimum ever recorded for Richmond since 1880 set in 2012 and 1986.

The 4.95 inches of rain for October made it the 25th wettest October since 1897 and a departure of 2.07 inches for the month.