

## August 2017 Glen Allen

The monthly mean temperature for August was 76.5°F, a -1.1°F mean temperature departure based on a nine-year average. The maximum temperature for August was 94°F on the 18<sup>th</sup>. The lowest minimum was 57.9°F on the 28<sup>th</sup>. The highest minimum temperature of 74.8 on August 18<sup>th</sup> was the second lowest on record for August. There were only 10 nights the temperature was ≥70°F; last year it was 22 nights. The average relative humidity of 72.9% had a departure of only 0.9%. The lowest relative humidity was 39% on the 5<sup>th</sup> and 6<sup>th</sup>. The highest temperature range was 29°F on the 6<sup>th</sup> and the lowest was 6°F on the 29<sup>th</sup>. The maximum temperature on the 29<sup>th</sup> of 68.3°F is the second lowest August maximum temperature in the past 9 years; only August 18, 2013 was lower at 67.9°F. The 29<sup>th</sup> also had the lowest daily mean of 65.5°F or the coolest day of the month.

The maximum wind gust was 25 mph occurring on both the 7<sup>th</sup> and 29<sup>th</sup>. Thunder was only heard 2 days in August which is the least on record for the month.

The 3.18 inches of rain for August was a negative 0.94-inch departure based on a nine-year average and the third driest August on record. The most rainfall in a calendar day was only 0.71 inches on the 29<sup>th</sup> which is the second lowest on record for August. The most rainfall in 24 hours was only 0.86 inches, on the 7<sup>th</sup> and 8<sup>th</sup>, which is the lowest amount for August in the past 9 years and the month had 11 days with measurable precipitation.

**Season Notes** - This was Glen Allen's coolest summer since 2015 which was 0.5°F cooler than this summer. The precipitation amounts are very different at Glen Allen and the Airport with two of the three months being the opposite on surplus and deficit. The summer of 2017 had 12.06 inches precipitation which is very near the average but was the wettest summer since 2013 which was Glen Allen's wettest summer in the past 9 years. ( 9-year averages )

2017 Summer in West Henrico Co. - Glen Allen, VA									
	9Yr.Ave.	2017	2017	9Yr.Ave.	2017	2017	9Yr.Ave.	2017	2017
Summer Season	Mean Temp.	Mean Temp.	Temp. Depart. °F	Precip. Ave.	Total Precip	Precip. Depart.	Rel. Hum. Ave.	RH Ave.	RH Depart.
June	76.25	75.2	-1.1	4.07	4.77	0.70	70.4	70.9	0.5
July	79.89	81.1	1.2	4.34	4.11	-0.23	69.8	67.7	-2.1
Aug.	77.61	76.5	-1.1	4.12	3.18	-0.94	72.0	72.9	0.9
SUM	233.75	232.8	-1.0	12.54	12.06	-0.48	212.3	211.6	-0.7
AVE.	77.9	77.6	-0.3	4.18	4.02	-0.16	70.8	70.5	-0.2

## Richmond International Airport

The Richmond International Airport had an August mean temperature of 76.5°F and was the 65<sup>th</sup> coolest August since 1897. The Airport's highest daily minimum was 74°F on the 18<sup>th</sup> and 19<sup>th</sup>. The highest maximum was 93°F on the 3<sup>rd</sup>. The Airport had two daily records that were ties. The August 19<sup>th</sup> high minimum of 74°F tied records in 2009, 1901 and 1900. The temperature range of 6°F on the 29<sup>th</sup> tied with 1935 for the lowest temperature range for the date. Also, the 29<sup>th</sup> had the cool maximum of 69°F ; only 17 years have had an August with a lower maximum temperature.

The Richmond International Airport had 5.94 inches of rain for the 46<sup>th</sup> wettest August in the past 145 years. The Airport reported only 4 days with measurable rain; no August in the past 143 years has reported fewer days of rain.

**Season Notes** - The summer averaged only 0.8°F warmer than average because of the hot July that tied for the tenth hottest July but was still the coolest since 2014. The precipitation was below average because of the dry July and August making the summer the driest since 2014. ( 30-year averages )

2017 Richmond International Airport						
	30Yr. Ave.	2017	2017	30Yr. Ave.	2017	2017
Summer Season	Mean Temp.	Mean Temp.	Temp. Depart. °F	Precip. Average	Total Precip	Precip. Depart.
June	75.3	75.1	-0.2	3.93	2.33	-1.60
July	79.3	81.3	2.0	4.51	2.25	-2.26
Aug.	77.5	76.5	-1.0	4.66	5.94	1.28
SUM	232.10	233.9	0.84	13.10	10.52	-2.59
AVE.	77.4	77.6	0.28	4.37	3.51	-0.86