

## August 2018 Springfield Park

August was the 2<sup>nd</sup> hottest and the most humid on record with a tease of fall on the 24<sup>th</sup> which was the lowest temperature on record for August. The hottest August day was the 29<sup>th</sup> and the coolest day was the 23<sup>rd</sup> which were 6 days apart.

The monthly mean temperature for August was 79.5°F, a +2.0 °F departure based on a 10-year average and the second highest on record & hotter than July 2018. The maximum temperature for August was 96.7°F on the 28<sup>th</sup> which was the 3<sup>rd</sup> hottest day of the summer. August had 18 days of ≥90°F the 2<sup>nd</sup> greatest ≥90°F days; only 2016 had more with 19 days. The lowest minimum was 55.8°F on the 24<sup>th</sup>, the coolest on record for August. There were 21 nights the temperature was ≥70°F. Springfield Park's August was not only the 2<sup>nd</sup> hottest but the most humid on record with an average relative humidity of 78.5%. This was a departure of 6.4% and was 1.6°F above the old record for August. The lowest relative humidity was 45% on the 23<sup>rd</sup> the highest minimum on record for August.

The max. wind gust was 28 mph on the 2<sup>nd</sup> from a quick evening thunderstorm.

The 4.39 inches of rain for August was a + 0.38-inch departure based on a ten-year average and the fourth wettest August on record. The 2<sup>nd</sup> most rainfall in a calendar day and in 24 hours was 2.73 inches on the 12<sup>th</sup>. The month had 18 precipitation days and the most on record for August and it was the 2<sup>nd</sup> cloudiest August on record. Thunder was heard on 8 days the 2<sup>nd</sup> greatest number for August. The precip. amounts very different here than at the Airport.

2018 Summer in West Henrico Co. – Glen Allen, VA									
	10Yr. Ave.	2018 Mean Temp. °F	2018 Temp. Depart. °F	10Yr. Precip. Ave.	2018 Total Precip inches	2018 Precip. Depart. inches	10Yr. Rel. Hum.	2018 Rel. Ave. %	2018 Rel. Depart. %
Summer Season	Mean Temp.	Temp. °F	Depart. °F	Precip. Ave.	Precip inches	Depart. inches	Rel. Hum.	Ave. %	Rel. Depart. %
June	76.14	76.39	0.25	4.15	8.43	4.28	70.5	78.5	8.0
July	79.86	78.40	-1.47	4.32	4.71	0.39	69.6	76.8	7.2
Aug.	77.50	79.50	1.98	4.03	4.39	0.36	72.1	78.4	6.3
SUM	233.50	234.3	0.77	12.50	17.53	5.03	212.2	233.7	21.5
AVE.	77.8	78.1	0.3	4.17	5.84	1.68	70.7	77.9	7.2

Springfield Park's 17.53 inches of precip. made 2018 the 2<sup>nd</sup> wettest summer; only 2013 with 19.75 inches was wetter. Springfield Park's 78.1°F made 2018 the 4<sup>th</sup> hottest summer; the summer of 2016 with an average of 81.1°F was the hottest. The summer had 42 days with measurable precipitation; only 2013 had more with 45 days.

## Richmond International Airport

The Richmond International Airport's average mean temperature was 79.5°F a departure of +2.0°F and the 12<sup>th</sup> hottest since 1897. The average maximum was 89.1°F, a 1.5°F departure, and the average minimum was 69.8°F which was a +2.4°F departure. This August had 13 days with temperatures of ≥90°F; last year it was 7 days. August had 21 nights the low temperature was ≥70°F; the average is 10.9 for the 121-year period. The maximum daily temperature range for the month was 27°F on the 26<sup>th</sup> and the minimum range was 11°F on the 3<sup>rd</sup>. The highest monthly temperature was 96°F on the 29<sup>th</sup>. The lowest maximum temperature was only 80°F on on the 23<sup>rd</sup> and only 4 Augusts since 1897 have had a higher monthly minimum temperature. The lowest minimum temperature was 57°F on the 8<sup>th</sup>.

The Airport had 3.35 inches of precipitation, a departure of -1.31 inches, and made August the 51<sup>st</sup> wettest since 1897. The Airport had 16 days of measurable precipitation and only 4 Augusts have had more.

The Richmond International Airport had 1 daily record that was tied in August.

On August 29<sup>th</sup> the minimum temperature of 74°F tied with 2006, 1993, 1900 for the highest min. temperature for the date.

2018 Richmond International Airport						
	30Yr. Ave.	2018 Mean Temp.	2018 Temp. Depart. °F	30Yr. Precip. Ave.	2018 Total Precip	2018 Precip. Depart.
Summer Season	Mean Temp.	Temp.	Depart. °F	Precip. Ave.	Total Precip	Precip. Depart.
June	75.3	76.65	1.35	3.93	13.32	9.39
July	79.3	78.06	-1.24	4.51	5.68	1.17
Aug.	77.5	79.47	1.97	4.66	3.35	-1.31
SUM	232.10	234.2	2.08	13.10	22.35	9.25
AVE.	77.4	78.1	0.69	4.37	7.45	3.08

Richmond's 78.1°F made 2018 the 20<sup>th</sup> hottest summer since 1880; the summer of 2010 with an average of 81.3°F was the hottest. Richmond's 22.35 inches of precipitation made 2018 the 7<sup>th</sup> wettest summer; 2004 with 32.65 inches was the wettest.

The others were 2<sup>nd</sup> 1969 27.57 inches, 3<sup>rd</sup> 1889 25.93 inches, 4<sup>th</sup> 1955 25.09 inches 5<sup>th</sup> 1945 23.50 inches, 6<sup>th</sup> 1922 22.68 inches. The summer had 39 days with measurable precipitation.