

August 2019 Review

General Summary

August was generally warmer (hotter) than average across the local area, though slightly less so than July with most sites showing monthly temperature departures of 1 to 2 degrees warmer than the long term means. The month generally began seasonably warm, but turned more consistently hot by mid-month. A heat wave dominated the pattern from the 18th through the 22nd; most of the area experienced multiple days with highs in the mid/upper 90s to around 100F and heat indices as high as 105F to 110F.

Precipitation showed a lot of variability across the area for August 2019; this is typical during the summer months where locally heavy rainfall amounts occur from scattered hit or miss thunderstorms. Overall, there was a tendency towards a rainfall deficit along and west of the I-95 corridor and on the lower eastern shore (some areas were in fact very dry). The wettest region was generally located over far southeast VA and northeast NC where a few sites received in excess of 8 inches of rain for the month (even here there was still a significant amount of variation).

The series of pages that follow show various statistics for August 2019.

Daily High Temperature Departures at Richmond & Norfolk

August 2019: Richmond, VA

Observed Maximum Temperature Departure from Normal (°F)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 91° +2° 89°	2 85° -4° 89°	3 90° +1° 89°
4 92° +3° 89°	5 86° -3° 89°	6 89° 0° 89°	7 90° +2° 88°	8 92° +4° 88°	9 94° +6° 88°	10 87° -1° 88°
11 90° +2° 88°	12 92° +4° 88°	13 93° +5° 88°	14 93° +5° 88°	15 89° +1° 88°	16 86° -2° 88°	17 93° +5° 88°
18 94° +6° 88°	19 99° +12° 87°	20 97° +10° 87°	21 90° +3° 87°	22 96° +9° 87°	23 87° 0° 87°	24 81° -6° 87°
25 81° -6° 87°	26 79° -8° 87°	27 84° -2° 86°	28 86° 0° 86°	29 86° 0° 86°	30 92° +6° 86°	31 93° +7° 86°

NWS Wakefield - Richmond

August 2019: Norfolk, VA

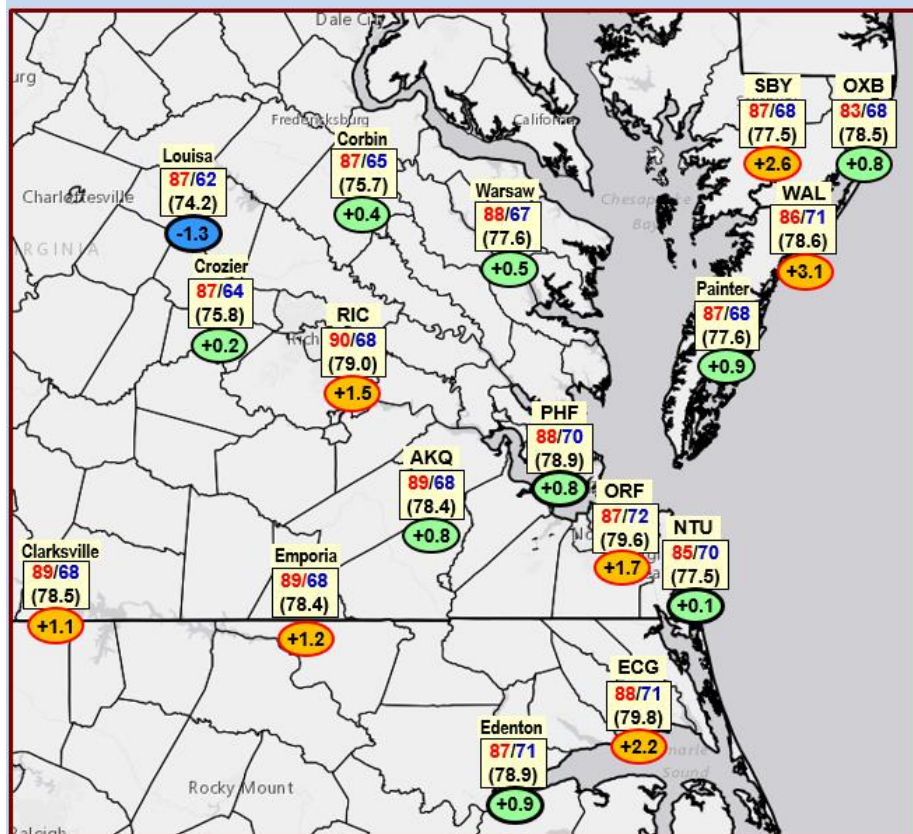
Observed Maximum Temperature Departure from Normal (°F)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 87° 0° 87°	2 82° -5° 87°	3 84° -3° 87°
4 91° +4° 87°	5 82° -4° 86°	6 86° 0° 86°	7 92° +6° 86°	8 91° +5° 86°	9 92° +6° 86°	10 85° -1° 86°
11 86° 0° 86°	12 89° +3° 86°	13 91° +5° 86°	14 92° +7° 85°	15 83° -2° 85°	16 87° +2° 85°	17 88° +3° 85°
18 87° +2° 85°	19 96° +11° 85°	20 95° +10° 85°	21 91° +6° 85°	22 93° +9° 84°	23 91° +7° 84°	24 76° -8° 84°
25 79° -5° 84°	26 78° -6° 84°	27 79° -5° 84°	28 84° 0° 84°	29 85° +2° 83°	30 88° +5° 83°	31 90° +7° 83°

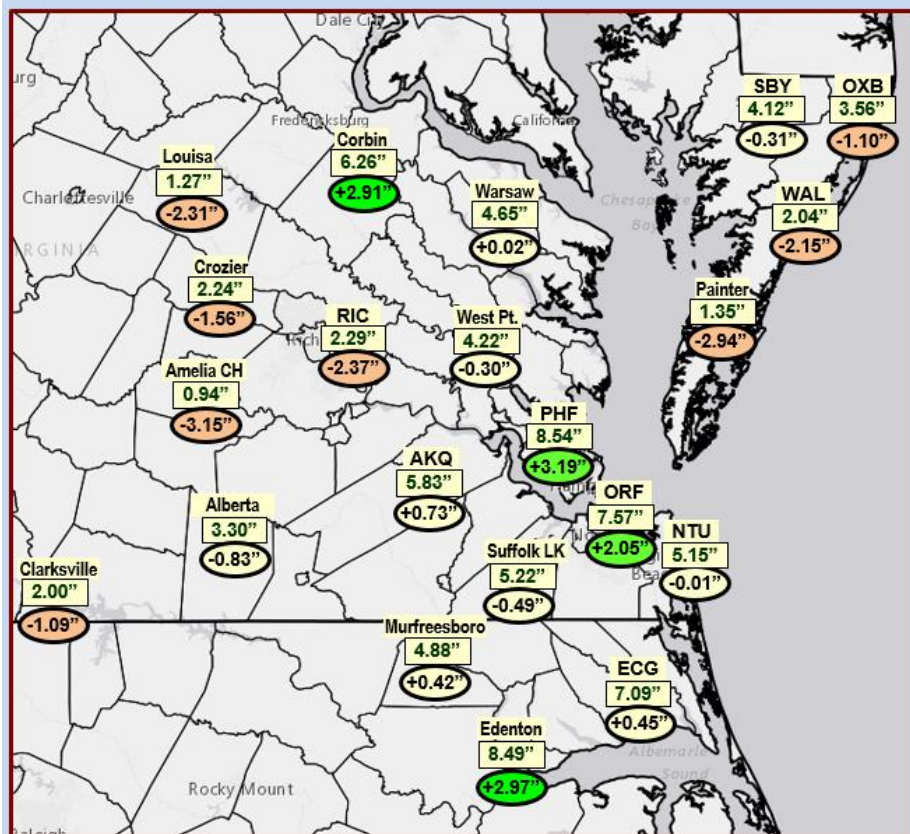
NWS Wakefield - Norfolk

Regional Temperature & Precipitation Maps

August 2019 Temperature Data



August 2019 Precipitation Data



Departures from the 30-year normals (1981-2010) are shown for both **average temperature** and **total precipitation**. For temperature, the departures are shaded orange for 1 F or more warmer than average and blue for 1 F or more cooler than average (green shading indicates values within one degree of normal). Similarly, precipitation departures are shaded green for 1.00" or more wetter than average and tan for 1.00" or more drier than normal (near normal values are shaded the same color as the precipitation amount box).

Tabular Summary of Data for Main Climate Sites:

August 2019 Temperature Summary Data *also on other dates									
Site	Avg Max		Avg Min		Avg Temp		Warmest	Coldest	Significance / Remarks
	(°F)		(°F)		(°F)		(°F)	(°F)	(if Top Ten List, etc.)
	Actual	Dep	Actual	Dep	Actual	Dep	Date	Date	
Richmond	89.6	2.0	68.4	1.0	79.0	1.5	99 on 19th	59 on 30th	
Norfolk	87.1	2.0	72.2	1.5	79.6	1.7	96 on 19th	66 on 30th	
Salisbury	87.1	2.7	67.8	2.4	77.5	2.6	96 on 19th	59 on *30th	
Elizabeth City	88.1	1.5	71.4	2.8	79.8	2.2	94 on 19th	64 on *31st	
Wakefield	88.7	0.8	68.0	0.8	78.4	0.8	96 on 19th	59 on 30th	

August 2019 Precipitation & Snowfall Summary Data											
Site	Total Pre		# Pre Days		Greatest		Total Snow		# Snow Days		Significance / Remarks (if Top Ten List, etc.)
	(in.)		(≥0.01")		(in.)		(in.)		(≥0.1")		
	Actual	Dep	Actual	Dep	Actual	Date	Act	Dep	Act	Dep	
Richmond	2.29	-2.37	13	4	0.59	2nd	0.0	0.0	0	0	
Norfolk	7.57	2.05	12	2	2.93	7th	0.0	0.0	0	0	
Salisbury	4.12	-0.31	11	2	1.13	17th	0.0	0.0	0	0	
Elizabeth City	7.09	0.45	19	8	1.64	2nd	0.0	0.0	0	0	
Wakefield	5.83	0.93	13	4	2.15	16th	0.0	0.0	0	0	

* **“Dep”= Departure** from the 30-year normals (1981-2010). Temperature departures are shaded orange for 1 F or more warmer than average and blue for 1 F or more cooler than average. Similarly, precipitation departures are shaded green for 0.50” or more wetter than average and tan for 0.50” or more drier than average and snowfall departures are shaded purple for 0.5” or more above average and tan for 0.5” or more below average.

Daily Records for Long Term Climate Sites:

Norfolk, VA Records (Period of Record 146 yrs./1874-2019)

**tie*

Record Highs: none set.

Record Low Maximums: none set.

Record Lows: none set.

Record High Minimums: none set.

Daily Precipitation: 2.93" (7th).

Daily Snowfall: none set.

Richmond, VA Daily Records (Period of Record 123 yrs./1897-2019)

**tie*

Record Highs: 99 F (19th).

Record Low Maximums: none set.

Record Lows: none set.

Record High Minimums: *74 (19th).

Daily Precipitation: none set.

Daily Snowfall: none set.