

August 2021 Review

General Summary

After relatively cool weather during the first week of August, the remainder of the month ended up consistently hot and humid. While no record highs were tied or broken at our main climate sites, several record high minimum temperatures were recorded. Average monthly temperatures primarily ranged from 1 to 3 degrees above normal across the region, with Richmond and Salisbury finishing as the 8th and 6th warmest Augusts on record respectively.

Monthly precipitation totals in August were above average across the entire area, but none of our long term climate sites made it into the top 10 list for wettest on record.

The following table shows detailed temperature and precipitation statistics for August 2021.

Tabular Summary of Data for Selected Climate Sites (August):

August 2021 Temperature Summary Data <small>* also on other dates All Normals are 1991-2020</small>																			
Site	Avg Max		Avg Min		Avg Temp		Daily Highs						Daily Mins						Remarks
	(°F)		(°F)		(°F)		Warmest (°F)			Coldest (°F)			Warmest (°F)			Coldest (°F)			
	Actual	Dep	Actual	Dep	Actual	Dep	Actual	Date	Normal	Actual	Date	Normal	Actual	Date	Normal	Actual	Date	Normal	
Richmond	88.9	1.4	71.0	3.4	79.9	2.4	95	24th	(97)	75	7th	(75)	76	18th	(75)	62	5th	(59)	8th Warmest August
Norfolk	86.4	-0.5	72.1	0.5	79.2	0.0	95	13th	(95)	72	4th	(76)	77	*19th	(78)	64	6th	(64)	
Salisbury	87.5	2.1	69.9	3.6	78.7	2.9	96	13th	(95)	73	4th	(75)	75	*19th	(75)	62	6th	(54)	6th Warmest August
Wallops Island	85.5	1.3	71.3	2.6	78.4	1.9	94	27th	(93)	71	4th	(75)	77	*19th	(76)	64	*6th	(59)	
Elizabeth City	88.3	1.5	72.4	2.4	80.3	1.9	94	28th	(95)	75	4th	(78)	78	*19th	(77)	63	6th	(59)	
Ashland, VA	87.3	2.2	67.8	1.6	77.5	1.8	94	13th	(93)	78	3rd	(74)	74	27th	(74)	53	2nd	(56)	
Corbin, VA	86.4	0.8	67.9	2.8	77.2	1.8	95	12th	(95)	71	7th	(74)	73	*18th	(73)	57	5th	(54)	
Louisa, VA	87.5	2.2	66.0	2.4	76.8	2.4	94	13th	(95)	80	*4th	(76)	72	*18th	(72)	54	5th	(52)	
Painter, VA	86.3	0.8	71.0	3.6	78.6	2.2	92	14th	(93)	72	4th	(76)	79	13th	(77)	62	6th	(58)	
Wakefield, VA	88.9	1.2	70.1	3.8	79.5	2.5	96	13th	(96)	73	4th	(75)	76	*13th	(74)	59	6th	(56)	
Williamsburg, VA	87.5	1.0	71.4	2.7	79.4	1.8	94	13th	(95)	73	4th	(76)	77	18th	(76)	64	*6th	(59)	
Edenton, NC	87.1	0.3	73.0	2.4	80.0	1.3	93	14th	(94)	78	*5th	(79)	79	18th	(77)	63	6th	(60)	

August 2021 Precipitation Summary Data <small>* also on other dates All Normals are 1991-2020</small>																
Site	Total Pre		# Pre Days		# Pre Days		Greatest	Total Snow		# Snow Days		# Snow Days	Greatest	Remarks		
	(in.)		(≥0.01")		(≥0.10")		(in.)	(in.)		(≥0.1")		(≥1.0")	(in.)			
	Actual	Dep	Actual	Dep	Actual	Dep	Act	Date	Act	Dep	Act	Dep	Act		Dep	Actual
Richmond	7.21	2.31	14	5	10	3	1.74	7th								
Norfolk	6.23	0.35	11	1	7	0	2.29	4th								
Salisbury	5.85	0.58	13	4	8	2	2.53	7th								
Wallops Island	4.59	0.27	7	-2	4	-2	1.92	7th								
Elizabeth City	7.88	2.56	11	-1	8	1	3.04	4th								
Ashland, VA	10.24	6.33	10	2	10	4	3.85	15th								
Corbin, VA	6.21	2.72	14	6	8	2	1.36	17th								
Louisa, VA	7.00	3.32	14	5	11	5	1.47	19th								
Painter, VA	7.13	2.65	11	1	6	-1	2.10	20th								
Wakefield, VA	6.40	0.90	12	2	9	2	1.97	1st								
Williamsburg, VA	8.45	2.77	14	3	11	4	1.66	22nd								
Edenton, NC	6.81	0.65	9	0	7	-1	2.99	4th								

* "Dep" = Departure from the 30-year normals (1991-2020). Temperature departures are shaded orange for 1 F or more warmer than average (dark red for 4 F or greater anomalies) and blue for 1 F or more cooler than average (dark blue for 4 F or more below normal). Similarly, precipitation departures are shaded green for 0.50" or more wetter than average (dark green for 2.00" or more) and tan for 0.50" or more drier than average (dark brown for 2.00" or more drier). Snowfall departures are shaded purple for 0.5" or more above average and tan for 0.5" or more below average.