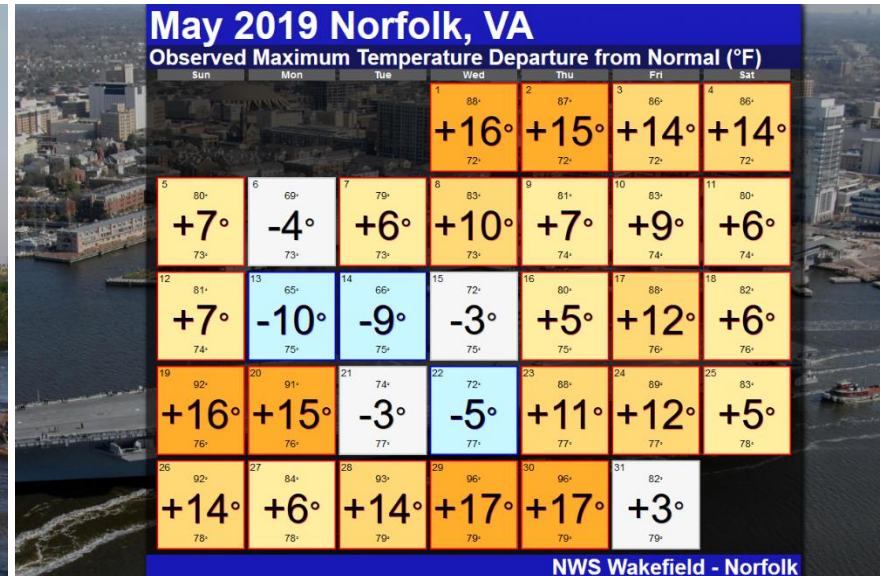
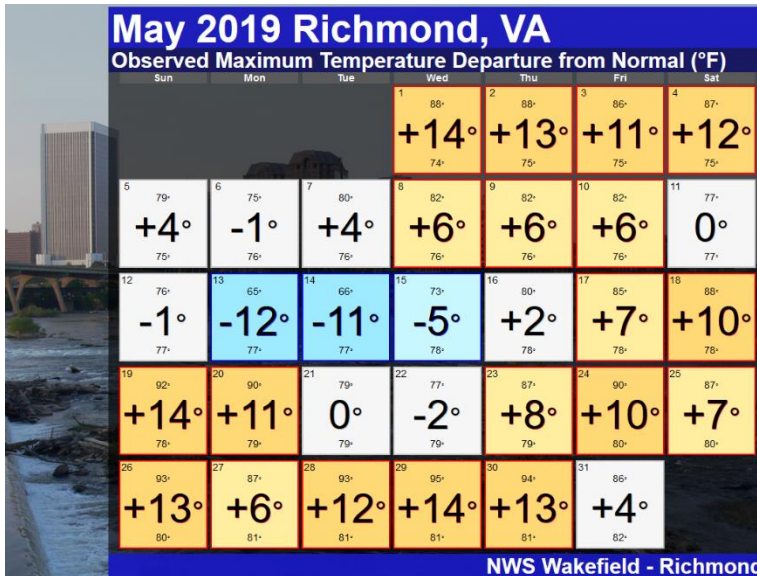


May 2019 Review

Temperature Summary

May 2019 will be remembered primarily for its warm temperatures, particularly during the final week of the month when all of the main climate sites recorded multiple days with highs in the 90s. A strong ridge of high pressure was centered over the southeast US for much of the time, generally keeping cooler air off to the north and west of the local area. The only brief cool spell occurred on the Monday and Tuesday following Mothers Day weekend when high temperatures were mostly in the 60s (about 10 degrees below normal). Otherwise, temperatures were almost exclusively warmer than average: 12 days at Richmond and 14 days at Norfolk recorded daily highs that were 10 or more degrees above normal. Since there have been some notable historical heat waves in past Mays, the only daily record high set at our 4 primary climate sites was 96 F at Elizabeth City on the 30th (there were a few daily record high minimums set at all sites). At the end of the month, average temperature departures ranged from 6 to nearly 8 degrees above normal across the region, enough to make 2019 the warmest May on record at Norfolk and Elizabeth City, the 3rd warmest at Richmond, and 6th warmest at Salisbury, MD. Daily max temperature departures are shown below for Richmond and Norfolk:



Precipitation & Snowfall Summary

In terms of total precipitation, the month was generally close to normal but with the typical local variability that tends to show up as thunderstorms become more common. Overall, northern portions of the region were a little wetter than normal at least in terms of the number of days where rain fell while conditions became quite dry across northeast North Carolina. At Elizabeth City, only 5 days recorded measureable rain (the May normal is 11 days), while Salisbury recorded 14 days (normal being 11 days). Most of central and southern Virginia saw anywhere from 10 to 13 days with measureable rain.

Measurable snowfall has never occurred at any of our main climates during the month of May and 2019 was no different.

Site specific data for temperature and precipitation is included in the following tables:

Tabular Summary of Data:

May 2019 Temperature Summary Data							*also on other dates		Significance / Remarks (if Top Ten List, etc.)
Site	Avg Max		Avg Min		Avg Temp		Warmest	Coldest	
	(°F)		(°F)		(°F)		(°F)	(°F)	
	Actual	Dep	Actual	Dep	Actual	Dep	Date	Date	
Richmond	83.5	5.6	61.9	6.9	72.7	6.3	95 on 29th	44 on 15th	3rd Warmest May on record
Norfolk	82.8	7.4	64.6	6.7	73.7	7.1	96 on *30th	55 on *15th	Warmest May on record
Salisbury	78.7	5.2	58.2	6.6	68.5	5.9	92 on 29th	44 on 15th	6th Warmest May on record
Elizabeth City	85.2	8.4	63.7	7.0	74.5	7.7	96 on *30th	49 on 15th	Warmest May on record
Wakefield	84.4	6.0	62.0	8.8	73.2	7.4	97 on 30th	44 on 15th	N/A (data period too short)

May 2019 Precipitation & Snowfall Summary Data									Significance / Remarks (if Top Ten List, etc.)	
Site	Total Pre		# Pre Days		Greatest		Total Snow			# Snow Days
	(in.)		(≥0.01")		(in.)		(in.)			(≥0.1")
	Actual	Dep	Actual	Dep	Actual	Date	Act	Dep	Act	Dep
Richmond	5.83	2.05	12	1	1.77	31st		0.0		0
Norfolk	3.57	0.16	11	0	1.39	11th		0.0		0
Salisbury	3.60	-0.02	14	3	1.19	5th		0.0		0
Elizabeth City	1.67	-1.94	5	-6	1.26	31st		0.0		0
Wakefield	5.32	1.21	10	-1	1.31	11th		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: 71 (4th), 75 (29th).

Daily Precipitation: none set.

Daily Snowfall: none set.

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

**tie*

Record Highs: none set.

Record Low Maximums: none set.

Record Lows: none set.

Record High Minimums: 68 (4th), *70 (26th), 71 (29th).

Daily Precipitation: none set.

Daily Snowfall: none set.