NWS Wilmington, Ohio
June 2018
Regional Climate Summary

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Although the weather pattern in April of 2018 was reminiscent of winter while May's acted more like summer, the overall pattern in June was very much what might be expected in a typical June-time period in the Ohio Valley. Bouts of heat and humidity led to numerous days with isolated and scattered thunderstorms. This activity, by its nature, was very hit-or-miss, yielding a typical uneven rainfall footprint even over small spatial areas.

Temperatures

The month of June 2018 started off just where May left off – with seasonable warmth and humidity. With highs in the 70s and 80s and lows generally in the 60s, the first week or so of the month was largely devoid of any substantial temperature discrepancies from normal values. However, the pattern did yield slightly warmer temperatures during the second week of the month before an extended stretch of heat evolved toward the middle of the month.

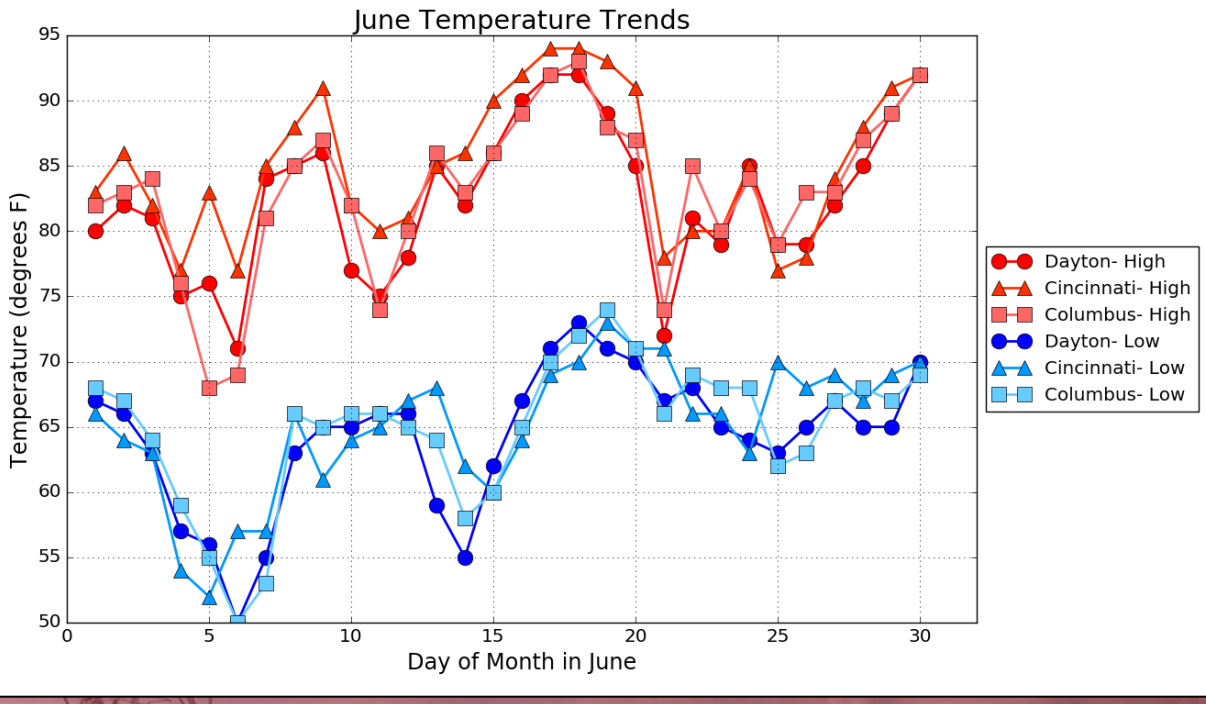
By mid-June, expansive heat began to build into the region, yielding 5-7 consecutive days with highs in the 90s and lows in the upper 60s and lower 70s. The temperature at Cincinnati hit at least 90°F on 6 consecutive days, making it the longest such occurrence in June at the site since June of 2005. Meanwhile, a slightly wetter pattern further north inhibited 90-degree warmth somewhat for Columbus. Although, a record high minimum of 74°F was set on the 19th at John Glenn, breaking the old daily record of 72°F for the site which was set in 1919.

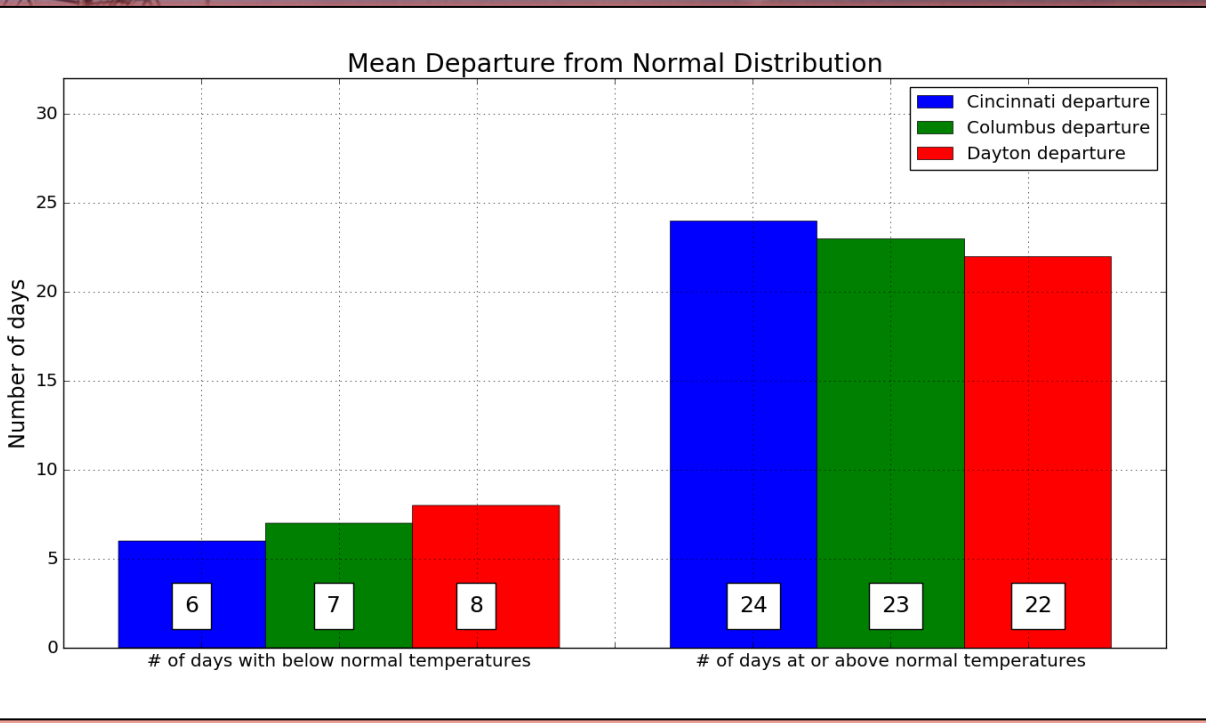
A somewhat cooler, although still seasonable, pattern evolved from approximately the solstice for the next week before heat returned for the final several days of the month. Temperatures reached into the 90s leading into the month of July.

Overall, the temperatures in the month were slightly above normal.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	75.1˚F	85.1˚F	65.1˚F	+ 3.0˚F	94˚F (06/17, 06/18)	52°F (06/05)
Columbus (CMH)	73.9˚F	83.0˚F	64.8˚F	+2.4˚F	93˚F (06/18)	50°F (06/06)
Dayton (DAY)	73.3˚F	82.5˚F	64.2˚F	+ 2.7˚F	92˚F (06/18, 06/30)	52°F (06/06)

Temperatures (Continued)





Precipitation

As is typical in the month of June in the Ohio Valley, numerous showers and thunderstorms yielded a very uneven rainfall footprint in the immediate local area. There was more than one occasion where thunderstorms yielded very heavy rainfall which led to flooding while nearby locations remained nearly or completely dry. This being said, the first week or so of the month featured more dry days than wet days before a somewhat wetter pattern evolved for the remainder of the month.

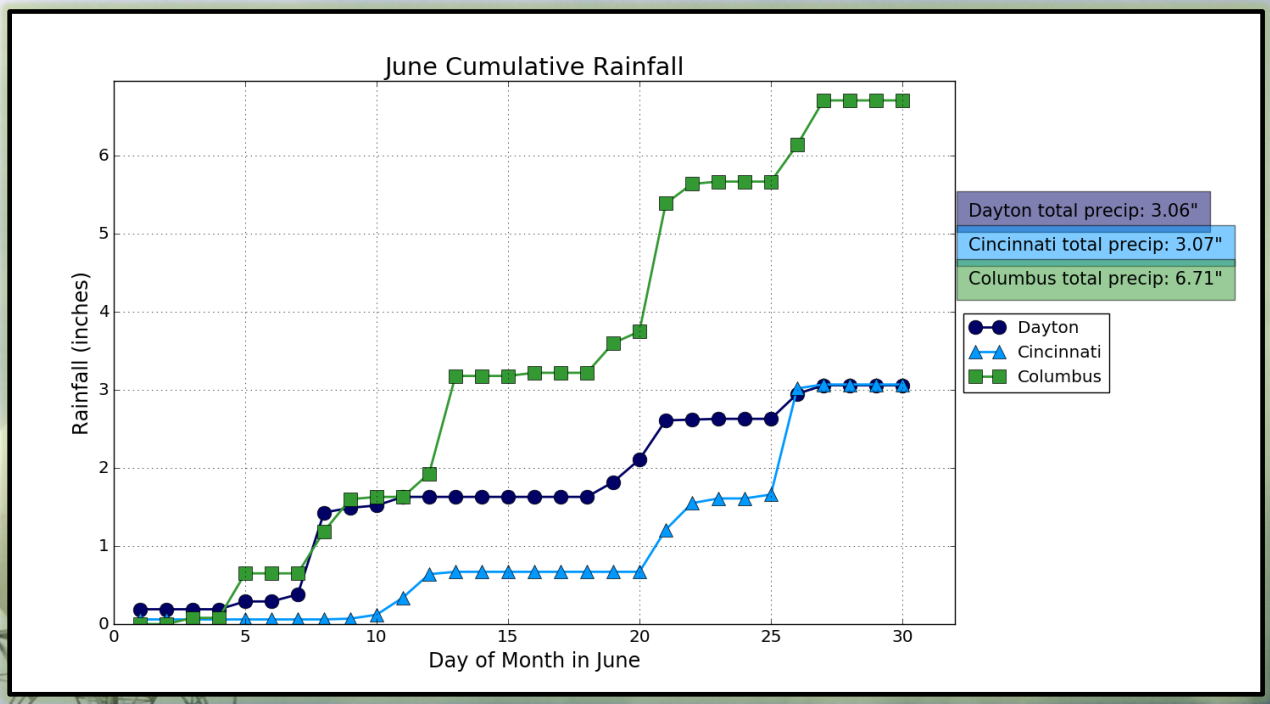
The most widespread rain event of the month occurred on the 21st as a shield of showers with embedded thunderstorms overspread the local area throughout the day, yielding at least ½" of rain for most of the area, with many locations receiving an inch or more of rainfall. Significant flash flooding resulted in eastern portions of the local area as 2-4" of rain fell throughout the day.

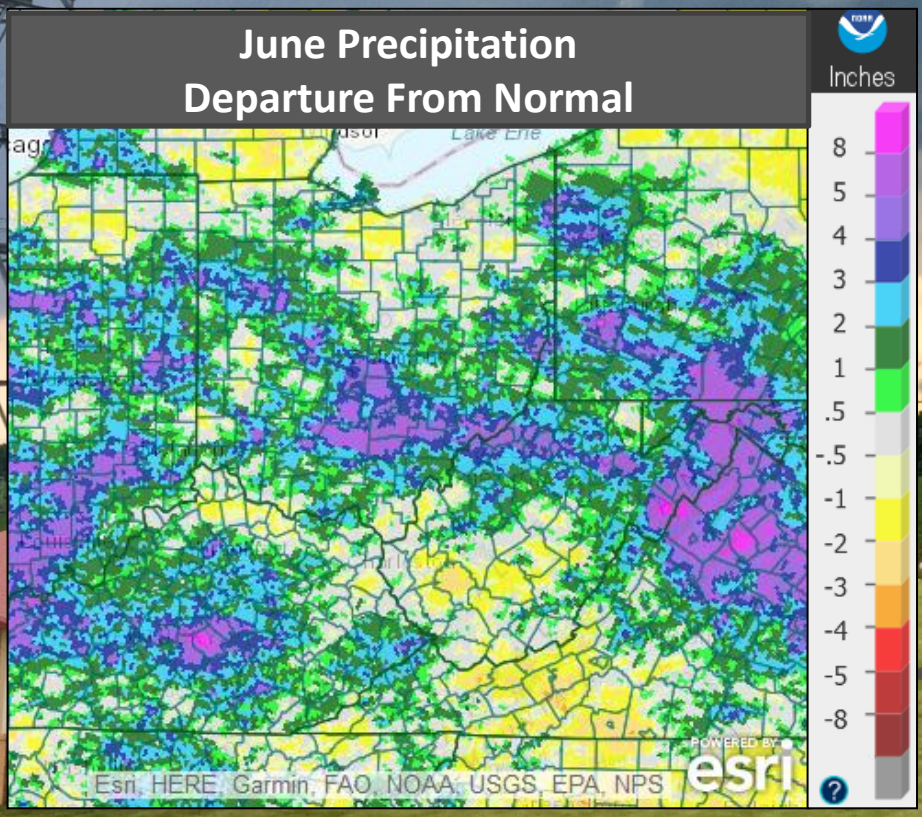
Another fairly widespread soaking rain occurred on the 26th as multiple large clusters of thunderstorms progressed west to east through the local area during the late morning and afternoon hours. The convective nature of the leading edge led to high rainfall rates while the trailing stratiform area provided additional soaking rain. Again, most of the area received at least ½" of rain, with some locations receiving 1-2."

The month ended on a bit of a drier note as expansive upper level ridging suppressed thunderstorm development during the final several days of the month. However, with 6.71" of total precipitation during the month, it was tied for the 11th-wettest June on record at Columbus.

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	3.07"	-0.96"	1.36"	06/26	--	--	N/A
Columbus (CMH)	6.71"	+ 2.70"	1.64"	06/21	--	--	N/A
Dayton (DAY)	3.06"	- 1.11"	1.05"	06/08	--	--	N/A

Precipitation (Continued)





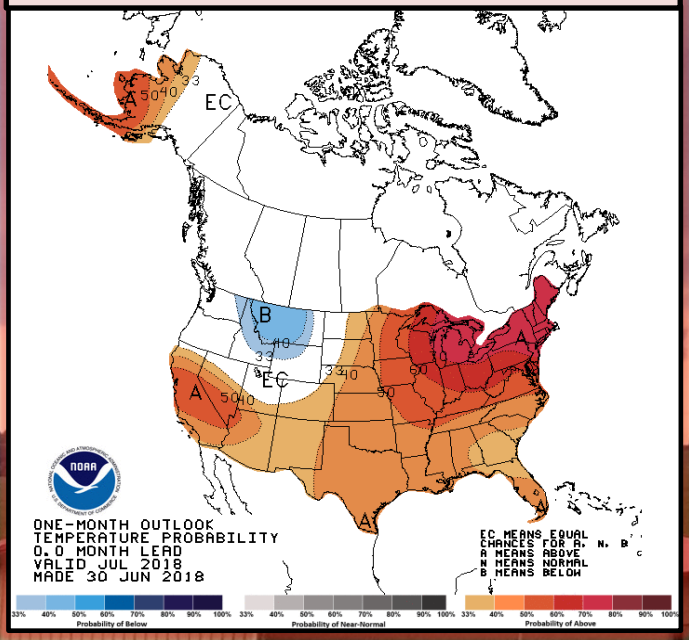
July Outlook

The latest outlook from the Climate Prediction Center (CPC) indicates very high probabilities for above normal temperatures in the region in July. However, the signal for either above normal or below normal precipitation is not as clear or definitive.

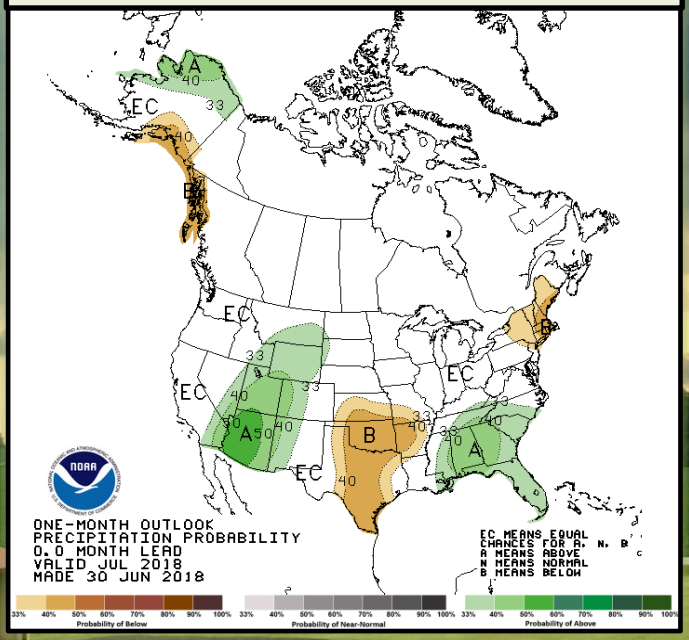
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	75.9°F	85.6°F	66.1°F
Columbus (CMH)	75.2°F	84.9°F	65.5°F
Dayton (DAY)	74.1°F	83.8°F	64.5°F

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	**3.67”**	--
Columbus (CMH)	**4.79”**	--
Dayton (DAY)	**4.11”**	--

Upcoming Temperature Outlook



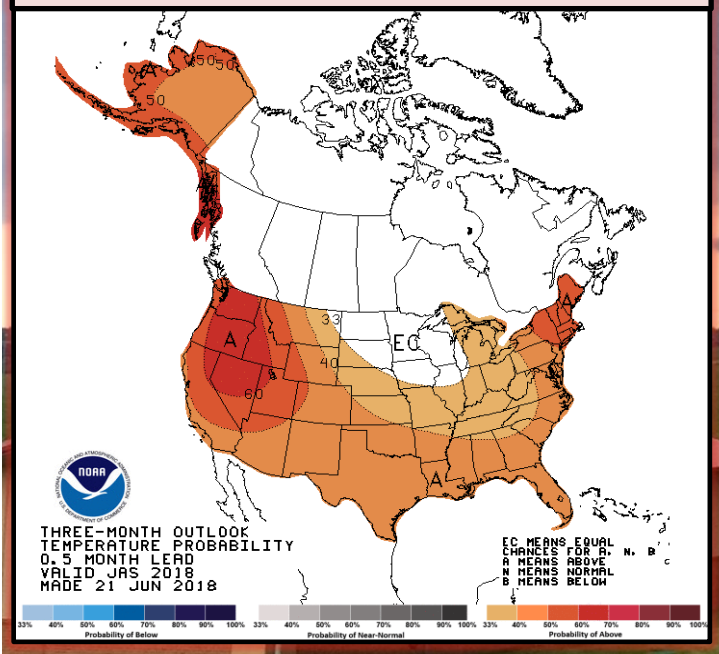
Upcoming Precipitation Outlook



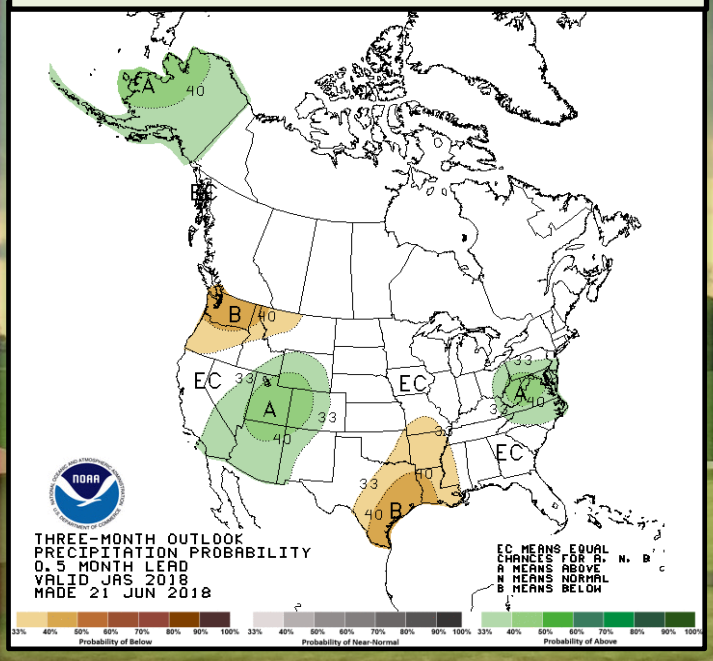
Summer/Early Fall Outlook

The latest outlooks from the Climate Prediction Center (CPC) continue to suggest favorable probabilities for above normal temperatures in the July through September time period across much of the country, including here in the Ohio Valley. The signal for precipitation trends, however, remains a bit more muted than for temperatures. Data would suggest that the eastern Ohio Valley eastward through the southern Appalachians have slightly more favorable probabilities for above normal precipitation than would the central or western Ohio Valley. Nevertheless, there will undoubtedly be periods that are wetter than others in the next 3 months and current data suggests that, as an average, precipitation may end up being close to normal.

Three-Month (JAS) Temp. Outlook

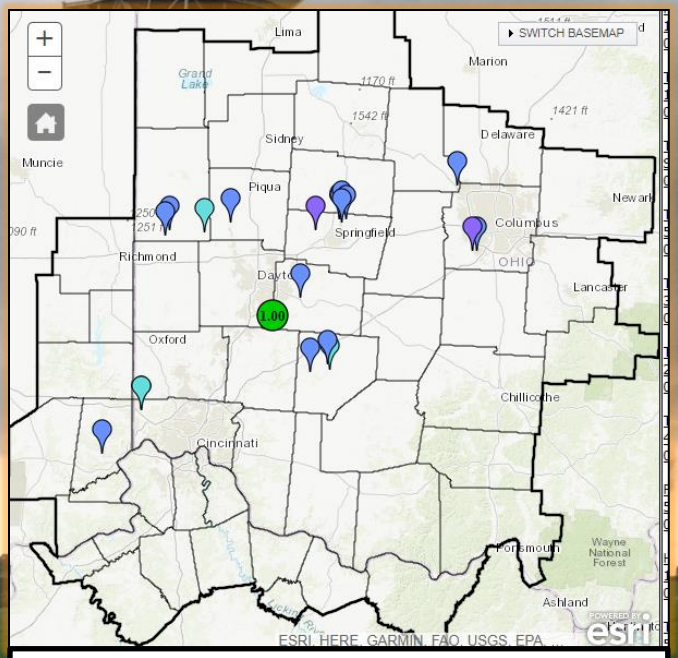


Three-Month (JAS) Precip. Outlook

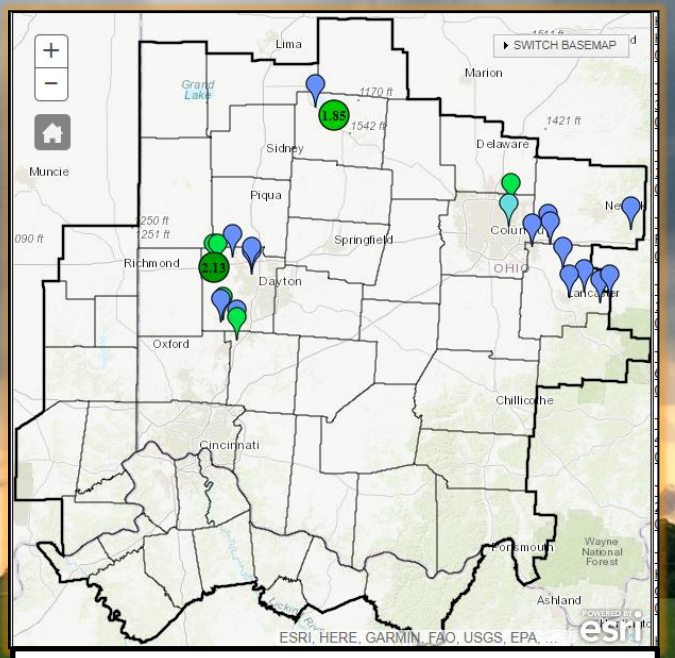


Severe Weather

In a typical warm and humid airmass that often settles into the region, the month of June featured a handful of days with afternoon and evening thunderstorms in the local area. Some of these storms did produce instances of damaging wind and flooding/flash flooding. Two of the most widespread instances of strong to severe storms occurred on the 9th and again a week later on the 16th. More detailed event summaries (including submitted storm reports) are available by clicking on the links above.



Plots of Local Storm Reports From 06/09.



Plots of Local Storm Reports From 06/16.