NWS Wilmington, Ohio
June 2021
Regional Climate Summary

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Although June started cooler-than-normal and ended warmer-than-normal, the month featured very little in the way of drastic temperature swings, with temperatures generally trending warmer from the beginning to end of the month. This trend in warmer temperatures was accompanied by more humid conditions as well. The pattern also featured its fair share of typical summertime storminess, which resulted in an erratic and uneven rainfall footprint with some spots picking up more than double the typical rainfall while others received just over half the normal rain for June.

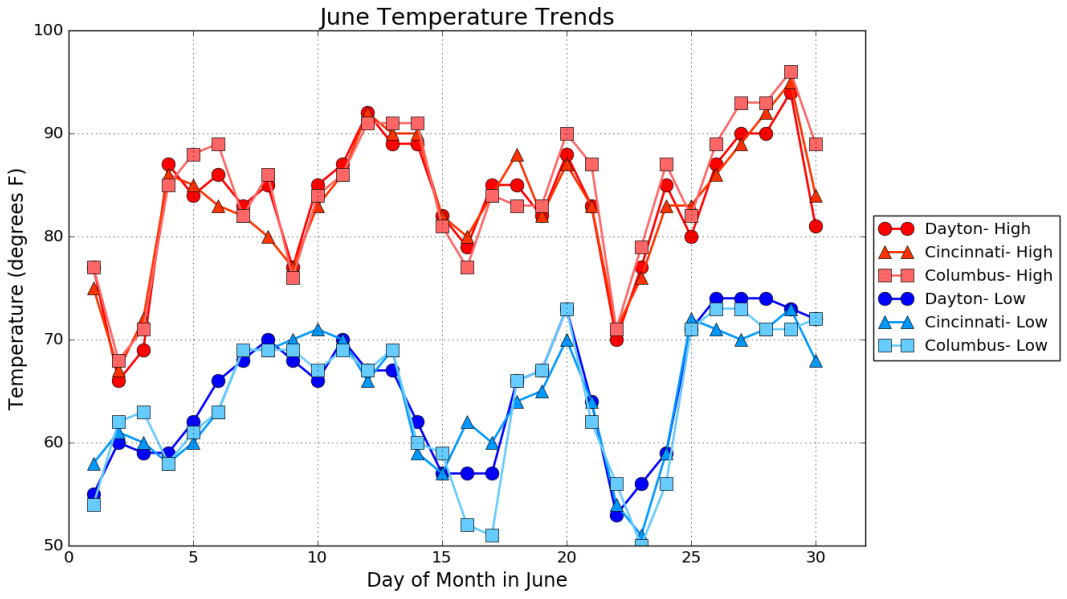
Temperatures

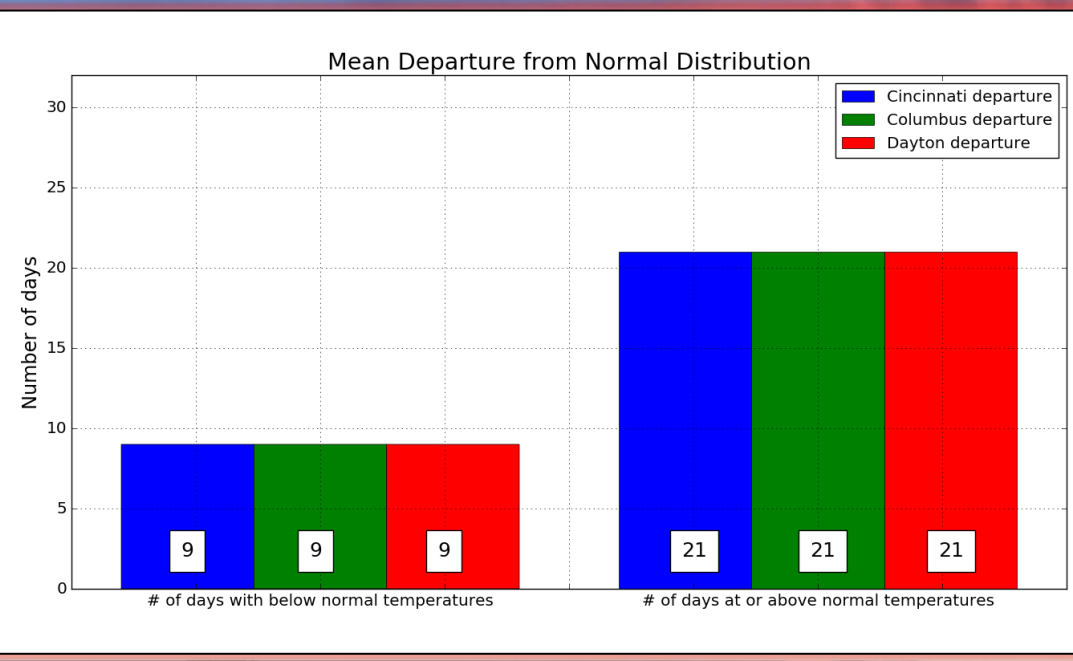
During the first three weeks of the months, average temperatures fluctuated slightly above normal to slightly below normal, with a lack of any substantial temperature swings within the first three weeks of the month. However, a daily record high minimum temperature was tied at Columbus (KCMH) on the 20th, when the temperature only bottomed out at 73°F which previously occurred on the date in 1931.

Moving into the fourth week of the month, on the 22nd and 23rd, temperatures trended well below normal before quickly moderating with a notable warming trend for the final part of the month. In fact, by the 25th, temperatures were back above normal through pretty much the end of the month as highs reached into the 90s and even mid/upper 90s on a few days from the 27th through the 30th. Another daily record high minimum was tied at Columbus on the 26th, with the low again falling to 73°F, tying the daily record for the site set in 1998. Moreover, on the 29th, the high temperature reached 96°F at Columbus, a feat which has been reached or surpassed only 4 times in the past 8 years at the site. Additionally, the temperature reached 95°F at Cincinnati (KCVG) on the 29th for only the 9th time in the past 8 years at the site.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	73.8°F	83.1°F	64.5°F	+ 1.5°F	95°F (06/29)	51°F (06/23)
Columbus (CMH)	74.2°F	84.3°F	64.1°F	+ 2.3°F	96°F (06/29)	50°F (06/23)
Dayton (DAY)	74.0°F	83.1°F	64.9°F	+ 1.3°F	94°F (06/29)	53°F (06/22)

Temperatures (Continued)





Precipitation

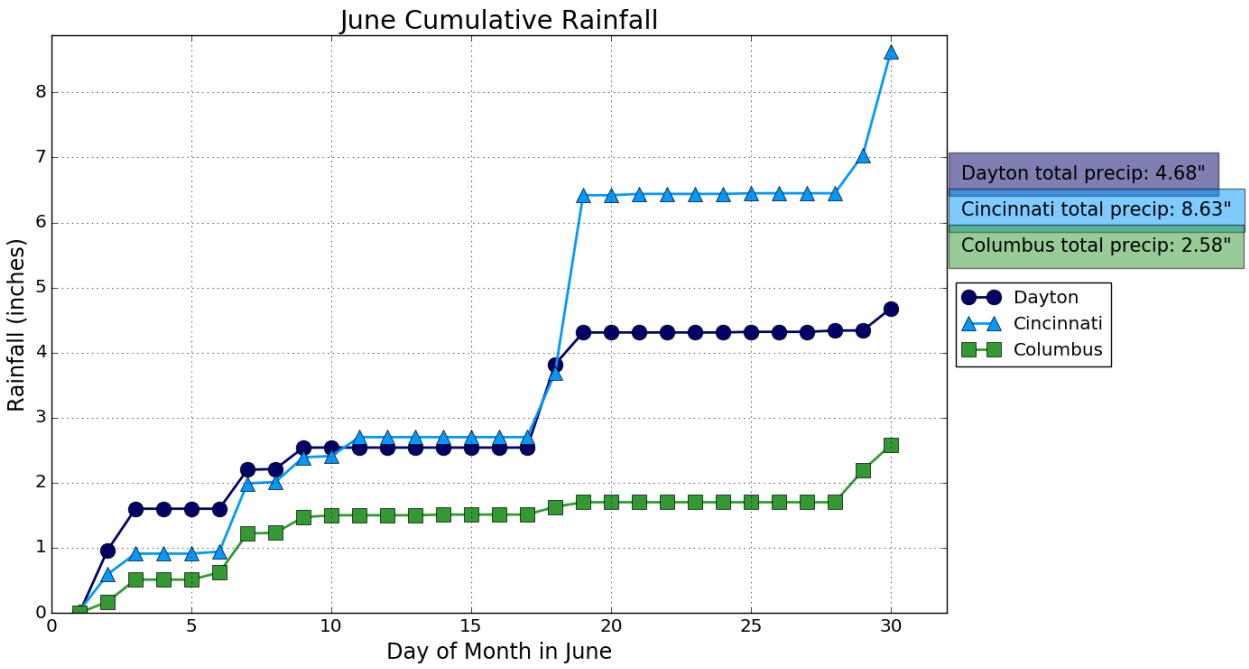
Several pockets of heavier rainfall throughout the month resulted in some areas receiving well above normal precipitation. Due to the convective nature of precipitation during June, other areas were below normal for precipitation.

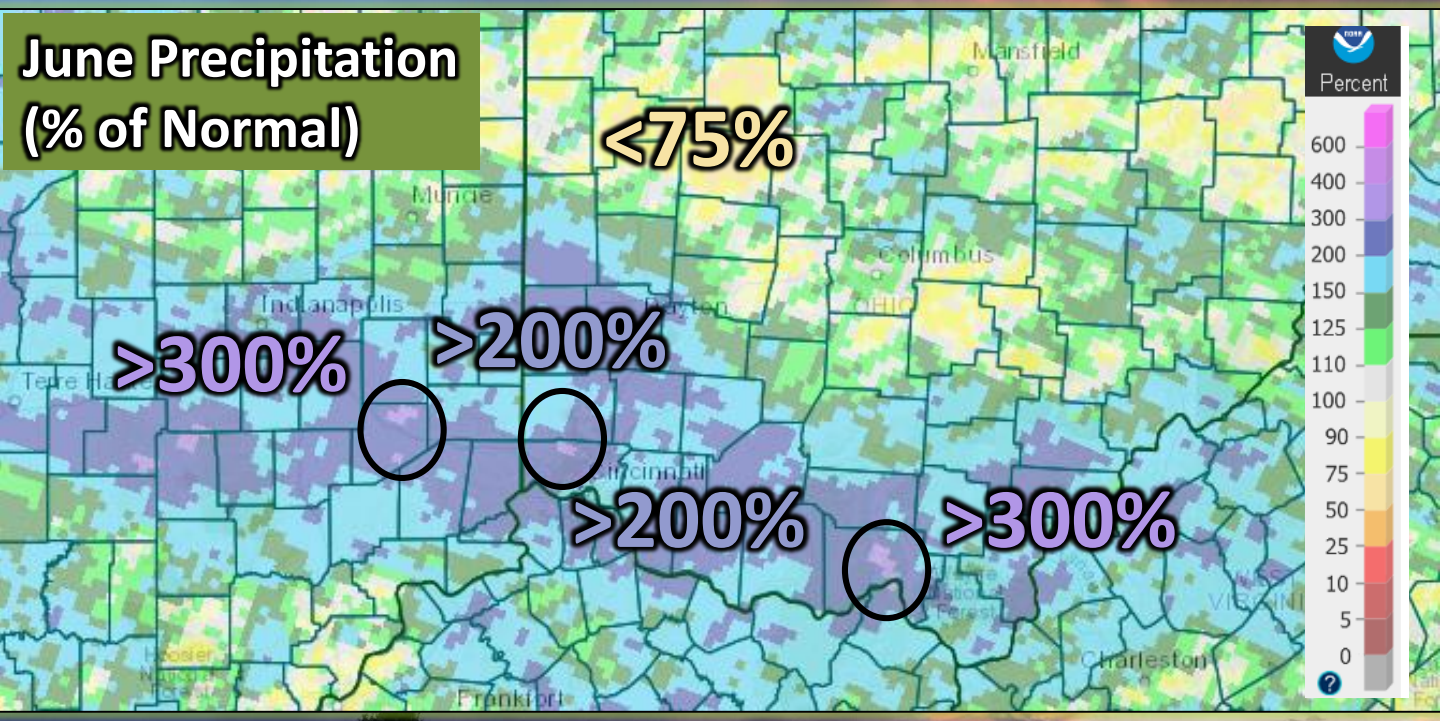
Very heavy rainfall occurred in some areas on the 18th into the 19th. On the 19th a record rainfall for the day of 2.73" was set at Cincinnati (KCVG). This broke the old daily record of 2.60" set in 1946. This daily rainfall amount was also the 5th highest single day rainfall amount for the month of June for the entire 150 year historical record at the site. Additionally, the two day total of 3.72" from June 18th to June 19th is the 3rd highest 2-day rainfall amount for the month of June for the entire historical record at Cincinnati (KCVG) and the monthly total of 8.63" was the 5th wettest June on record. While this event lead to above normal precipitation for many locations, portions of central Ohio northwestward up into the Hardin County area ended the month with below normal precipitation.

Several days of storm activity from the 29th through the 1st of July led to additional heavy rain for many areas. The rainfall footprint was very irregular, with some spots receiving 4-5" or more of rain during this 3-day stretch while others nearby received almost nothing. As such, some spots ended the month with nearly double the normal rainfall and others only received 2-3" of rain for the entire month.

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	8.63"	**+ 3.88"**	2.73"	06/19	--	--	--
Columbus (CMH)	2.58"	**- 1.75"**	0.60"	06/07	--	--	--
Dayton (DAY)	4.68"	**+ 0.54"**	1.28"	06/19	--	--	--

Precipitation (Continued)

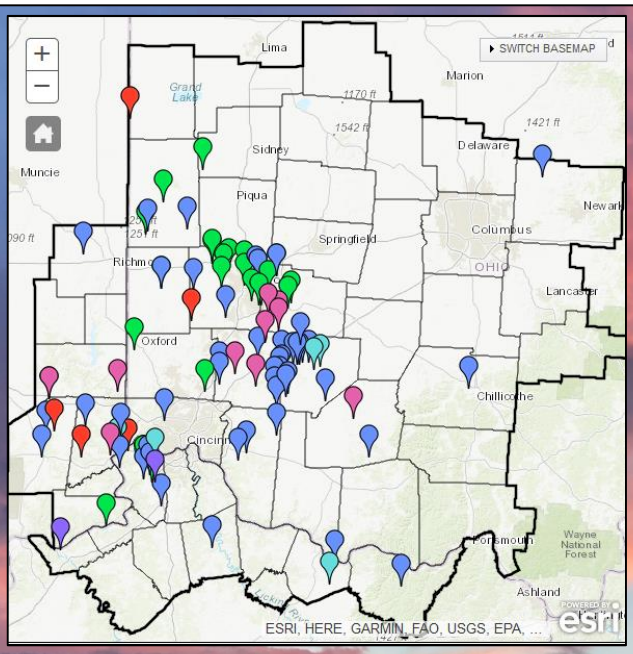




Severe Weather

After an overall very quiet spring, several days of severe weather occurred during June. On June 11th, an EF0 tornado occurred in Lewis County, Kentucky. There were some reports of wind damage on the 12th and 13th with a few of the storms on that day. A significant severe weather event unfolded from the 18th into the 19th. With this event, there were 5 tornadoes, large hail, damaging winds, and flash flooding in the NWS Wilmington, OH area of responsibility.

- Tornado confirmed near Fort Recovery, Ohio (EF2)
- Tornado confirmed southeast of Gratis, Ohio (EF1)
- Tornado confirmed near Milan, Indiana (EF1)
- Tornado confirmed near Moores Hill, Indiana (EF1)
- Tornado confirmed near Idlewild, Kentucky (EF1)



LOCAL STORM REPORTS:

Tornado	Hail	Thunderstorm Wind Gust	Thunderstorm Wind Damage
Flood	Flash Flood	Non-Thunderstorm Wind Gust	Non-Thunderstorm Wind Damage
Other Report			

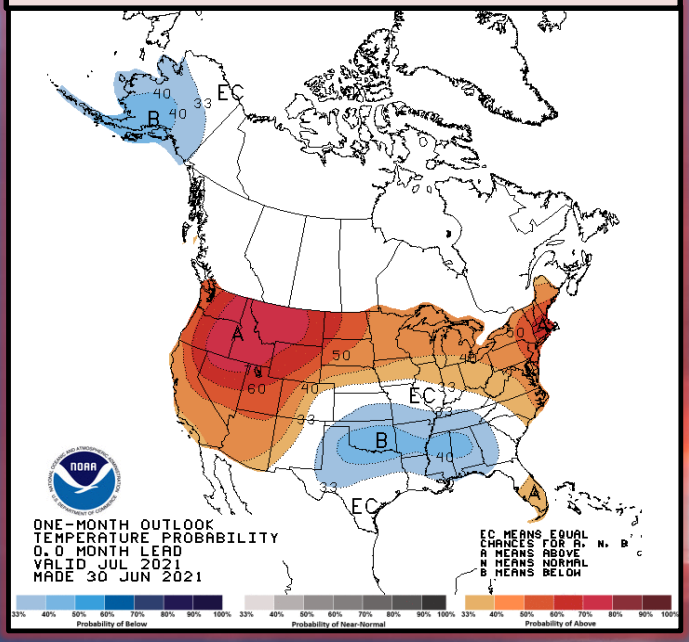
July Outlook

The latest outlook from the Climate Prediction Center (CPC) indicates favorable probabilities for both above normal temperatures and precipitation across the Ohio Valley for the month of July.

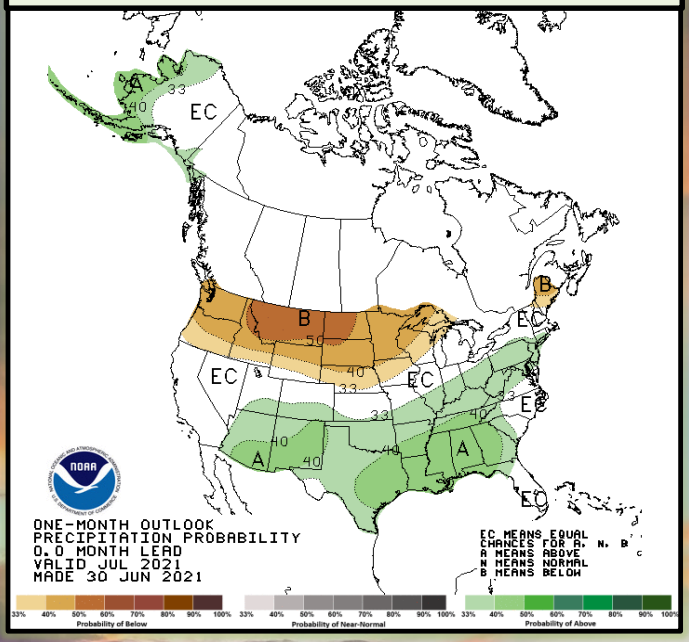
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	75.9°F	86.0°F	65.9°F
Columbus (CMH)	75.4°F	85.4°F	65.4°F
Dayton (DAY)	76.0°F	85.9°F	66.1°F

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.83”	0.0”
Columbus (CMH)	4.67”	0.0”
Dayton (DAY)	3.95”	0.0”

Upcoming Temperature Outlook

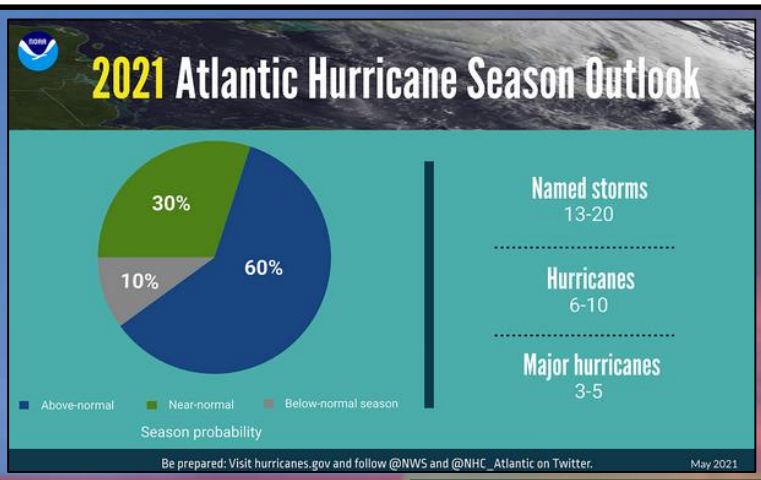


Upcoming Precipitation Outlook

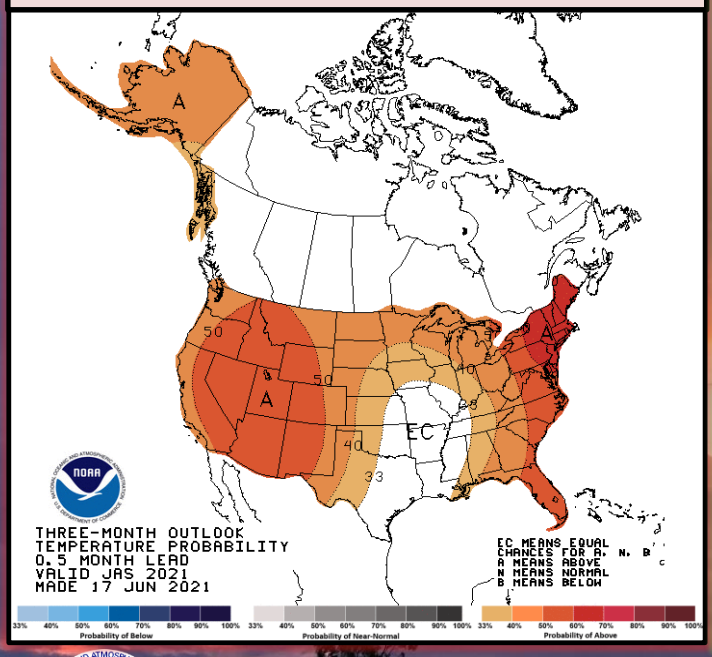


July-September Outlook

There is an increased likelihood of above normal temperatures and precipitation across the region for the July, August, and September timeframe. ENSO neutral conditions are expected for the remainder of summer and into the fall. For those with tropical interests, an above normal Atlantic Hurricane Season is expected.



Three-Month (JAS) Temp. Outlook



Three-Month (JAS) Precip. Outlook