



NWS Wilmington, Ohio September 2020 Regional Climate Summary

Regional Climate Summary

Aside from a major flash flooding event late in the evening on Labor Day for locations north of the I-70 corridor, the weather pattern in September was very quiet, yielding only a handful of days with precipitation and a temperature trace that never strayed too far from seasonal norms. In fact, the region largely avoided any notable heat or cold through the month, with numerous days within 6-8 degrees of daily normal values.

Temperatures

The month of September started on a warm note, with near normal or above normal temperatures for many of the first 10-12 days or so. Following the passage of a strong cold front early on the 13th, much cooler temperatures filtered in for the better part of the following week, with below normal temperatures by the middle of the month. These below normal temperatures continued for several days through the 23rd before slightly warmer temperatures briefly built back into the region from the 24th through the 28th.

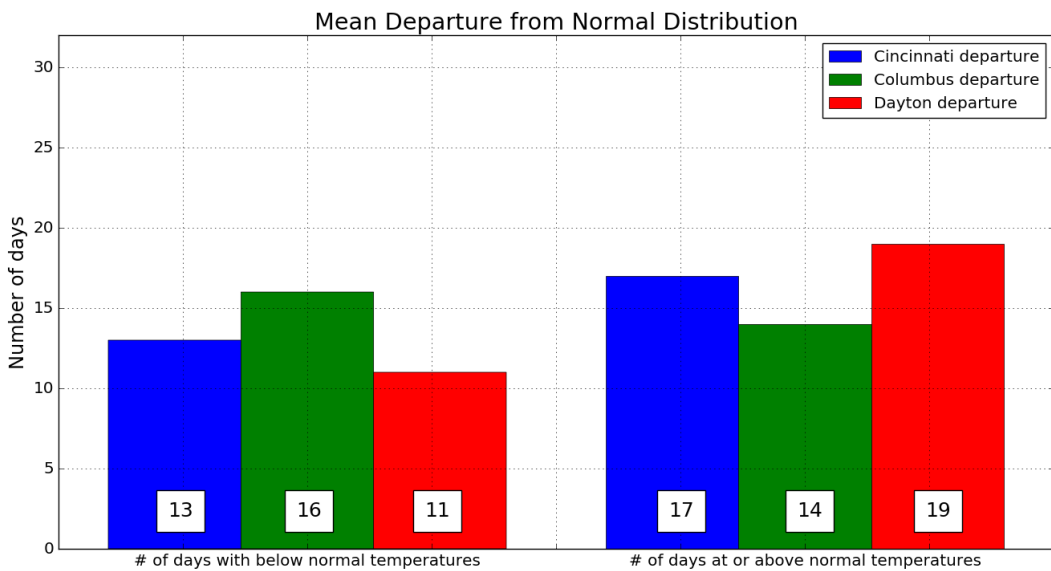
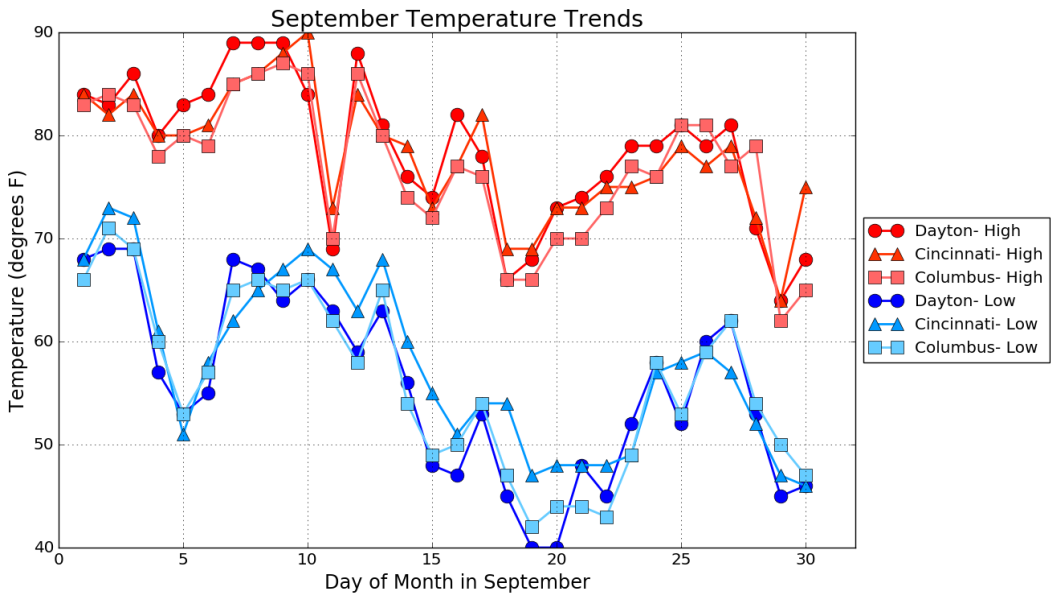
A fairly strong cold front moved through the area on the 28th, setting the stage for a rather cool end to the month as several weak systems pivoted around a deep trough centered across the eastern third or so of the country. This resulted in several weak cold fronts tracking through the Ohio Valley during the final couple days of the month into the beginning of October, with episodic light rain showers to accompany the frontal passages.

The month was largely devoid of any substantial temperature swings, something that can become increasingly common in September – especially late in the month. In fact, the temperature only hit 90°F one time during the month at Cincinnati (10th). Meanwhile, the temperature failed to reach at least 90°F at both Dayton (DAY) and Columbus (CMH), the first September without reaching such a threshold since 2012 and 2009, respectively.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	68.0°F	78.1°F	57.8°F	+ 0.4°F	90°F (10 th)	46°F (09/30)
Columbus (CMH)	66.5°F	77.0°F	56.1°F	- 0.3°F	87°F (9 th)	42°F (19 th)
Dayton (DAY)	67.2°F	78.6°F	55.7°F	+ 1.8°F	89°F (Mult.)	40°F (Mult.)



Temperatures (Continued)



Precipitation

The region experienced several days of scattered storms through the first 3 days or so of the month before a dry stretch of weather evolved for the following several days. A high-impact heavy rain and flash flood event impacted areas north of I-70 late in the evening on the 7th into the morning hours on the 8th. Many spots from Mercer to Delaware County, OH picked up 3-5" of rain in just a several hour period. Isolated higher amounts of greater than 6" were reported in Logan and northern Darke Counties. A record rainfall of 1.57 inches was set at the John Glenn Columbus International airport on the 7th for the day. This broke the previous record of 1.05 set in 1934.

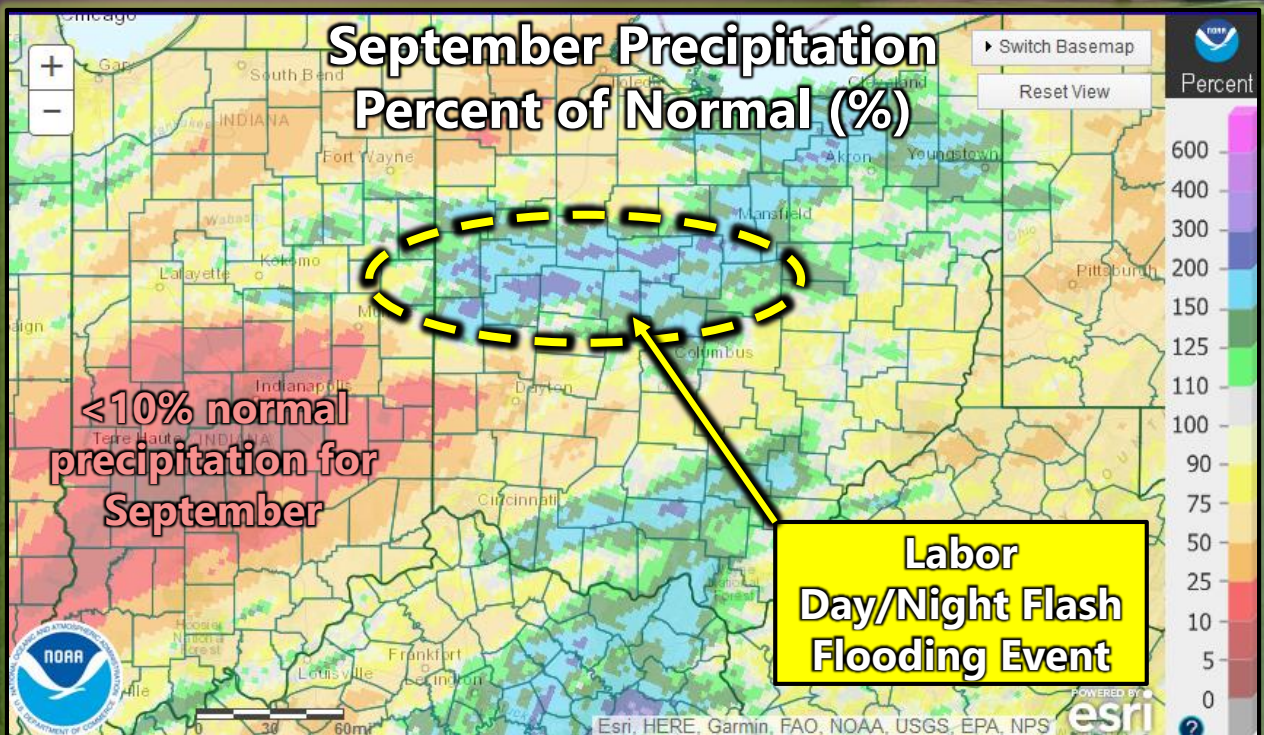
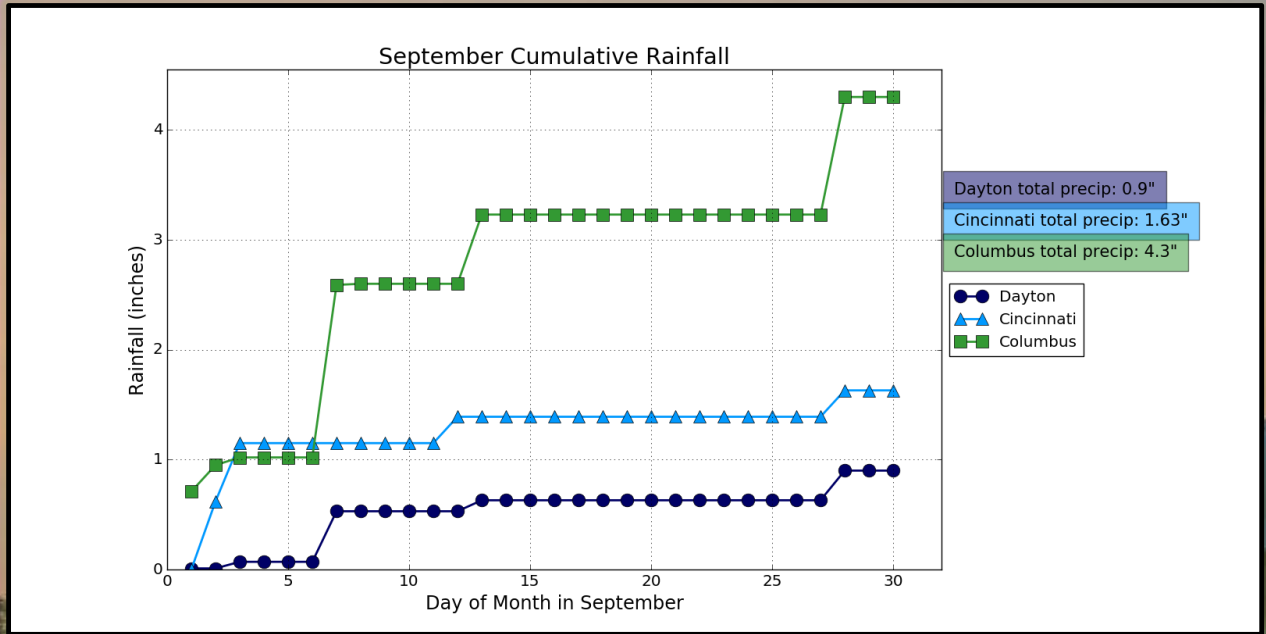
Beyond the flash flooding and severe weather on the 7th, several more dry days evolved until a front moved through late on the 12th into the 13th. After the passage of this system a prolonged dry stretch developed with dry conditions from the 14th through the 28th – a stretch in which much of the region did not see any rain during the 14 days. That came to an end on the 28th as a front moved through, bringing showers to much of the region. In fact, the month ended on a showery note as several disturbances moved through the area from the 28th through the 1st of October. Not all locations received rain near the flip of the calendar, but isolated to scattered showers sprouted each day in a 3-4 day stretch into early October.

Overall, precipitation was above normal north of I-70 and near normal close to I-71, and much below normal for parts of the Miami Valley into southeastern/eastern Indiana.

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)	
Cincinnati (CVG)	1.63"	- 1.00"	0.62"	09/02
Columbus (CMH)	4.30"	+ 1.46"	1.57"	09/07
Dayton (DAY)	0.90"	- 2.40"	0.46"	09/07



Precipitation (Continued)



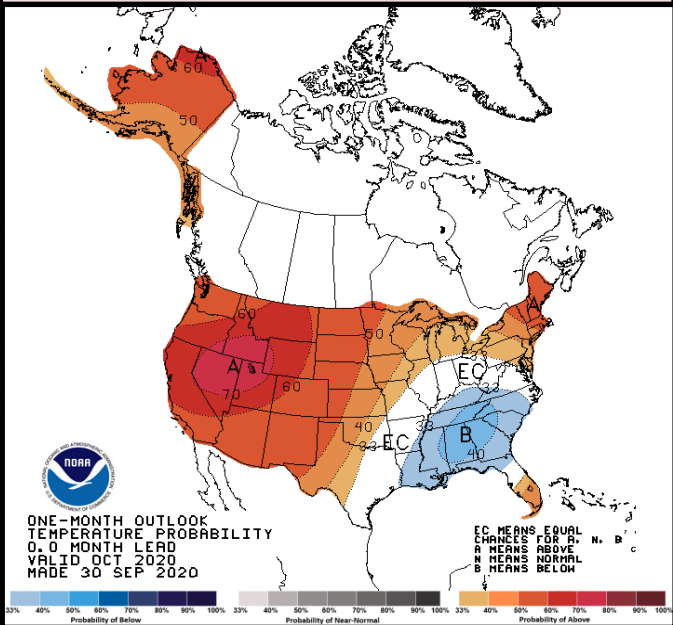
October Outlook

The latest outlook from the Climate Prediction Center (CPC) calls for below normal precipitation across most (if not all) of the Midwest, including the Ohio Valley. There is not a clear signal for temperatures to be above normal or below normal.

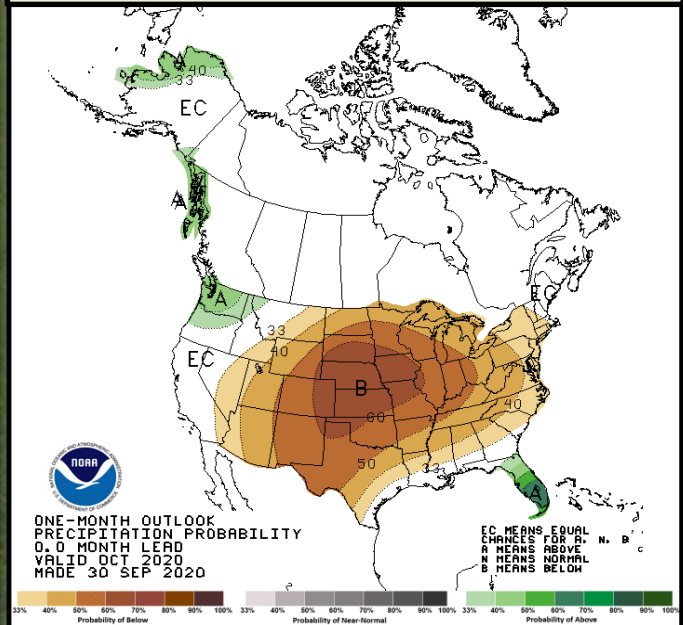
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	55.9°F	66.2°F	45.5°F
Columbus (CMH)	55.0°F	65.1°F	45.0°F
Dayton (DAY)	53.9°F	63.8°F	44.0°F

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.30"	0.4"
Columbus (CMH)	2.61"	0.2"
Dayton (DAY)	2.93"	0.4"

Upcoming Temperature Outlook

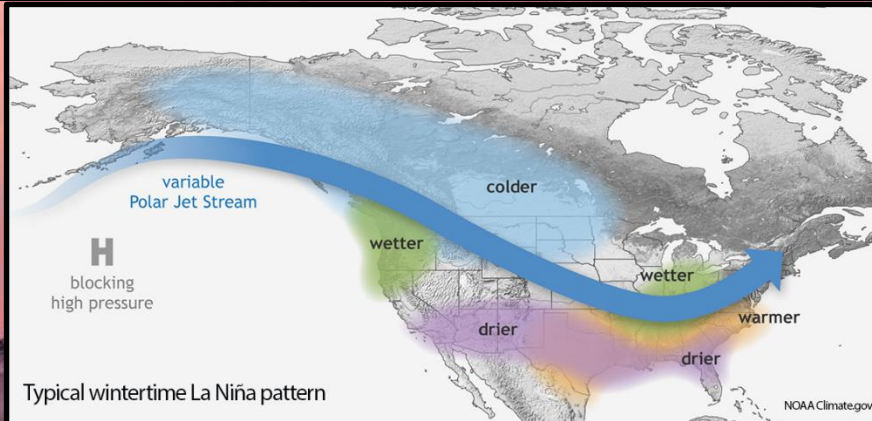


Upcoming Precipitation Outlook

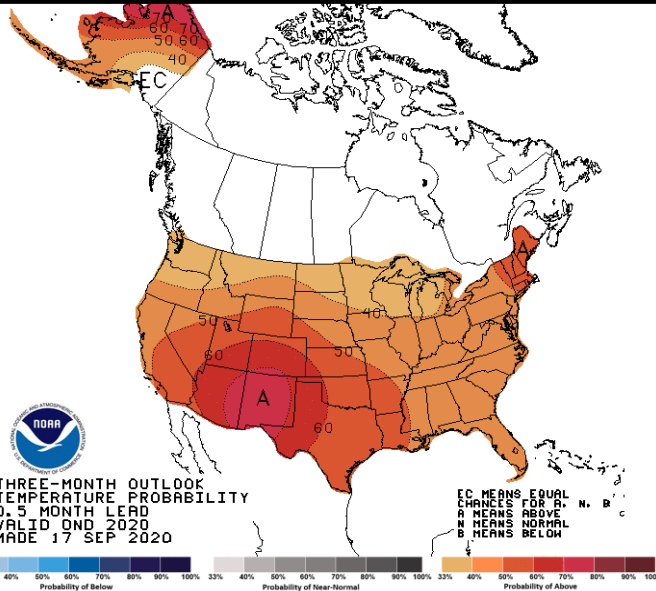


Late Autumn/Early Winter Outlook

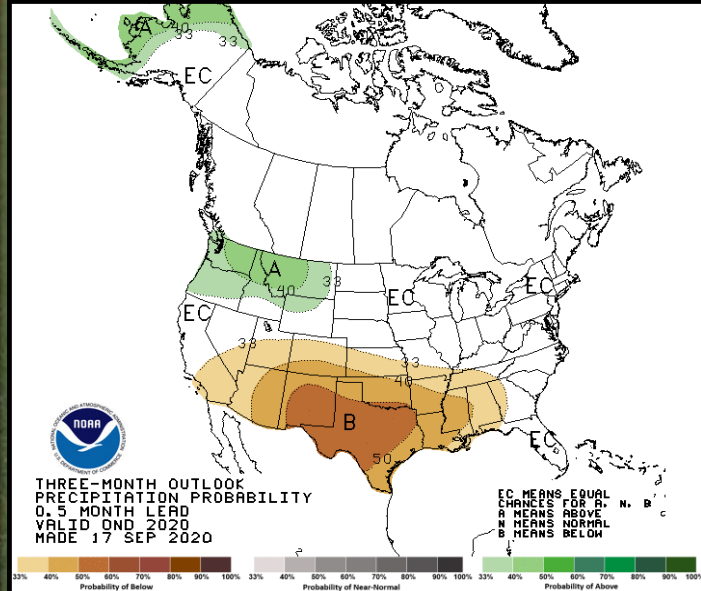
A La Niña advisory has been issued. La Niña conditions are currently present and are expected to last through the winter months. The October, November, and December outlook call for an increased likelihood of above normal temperatures. There is not as clear of a signal for precipitation with equal chances of below normal, normal, and above normal precipitation.



Three-Month (OND) Temp. Outlook



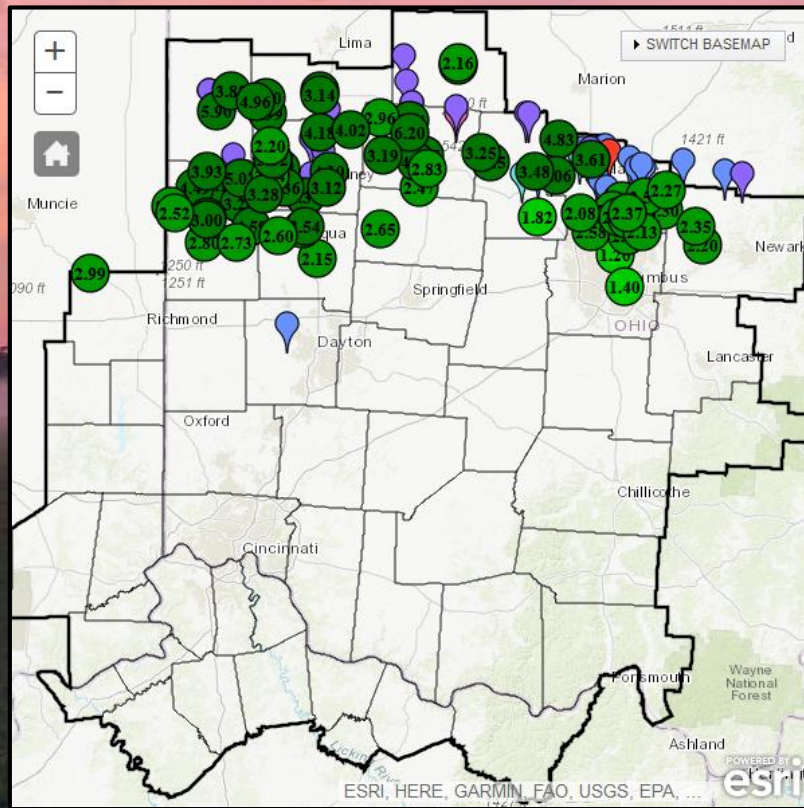
Three-Month (OND) Precip. Outlook



Severe Weather

Nearly-stationary storms developed along an east-west oriented frontal boundary draped north of I-70 late in the evening on Labor Day (7th) into the 8th. These storms earlier in the evening produced instances of damaging wind, including a tornado in Delaware County, OH. Later in the evening into the overnight period, additional storms development along the boundary produced torrential rainfall rates and numerous instances of flooding and flash flooding from Darke/Mercer Counties to Delaware/Licking Counties. There were several reports in this corridor of 4-6" of rain within just a several hour period.

Rainfall Reports: Flash Flooding Event September 7th-8th



Event Summary:
www.weather.gov/iln/20200907

