



NWS Wilmington, Ohio December 2024 Regional Climate Summary

Regional Climate Summary

While the month of December started off on a very wintry note, it didn't stay that way. The below normal temperatures for the first half of the month were complemented by above normal temperatures for the second half of December, ultimately yielding monthly average temperatures generally a few degrees above normal. It was fairly wet, overall, as well with several widespread rain events, particularly during the final week. Rainfall of 4-5" were common through December, which was about 1-2" above normal.

Temperatures

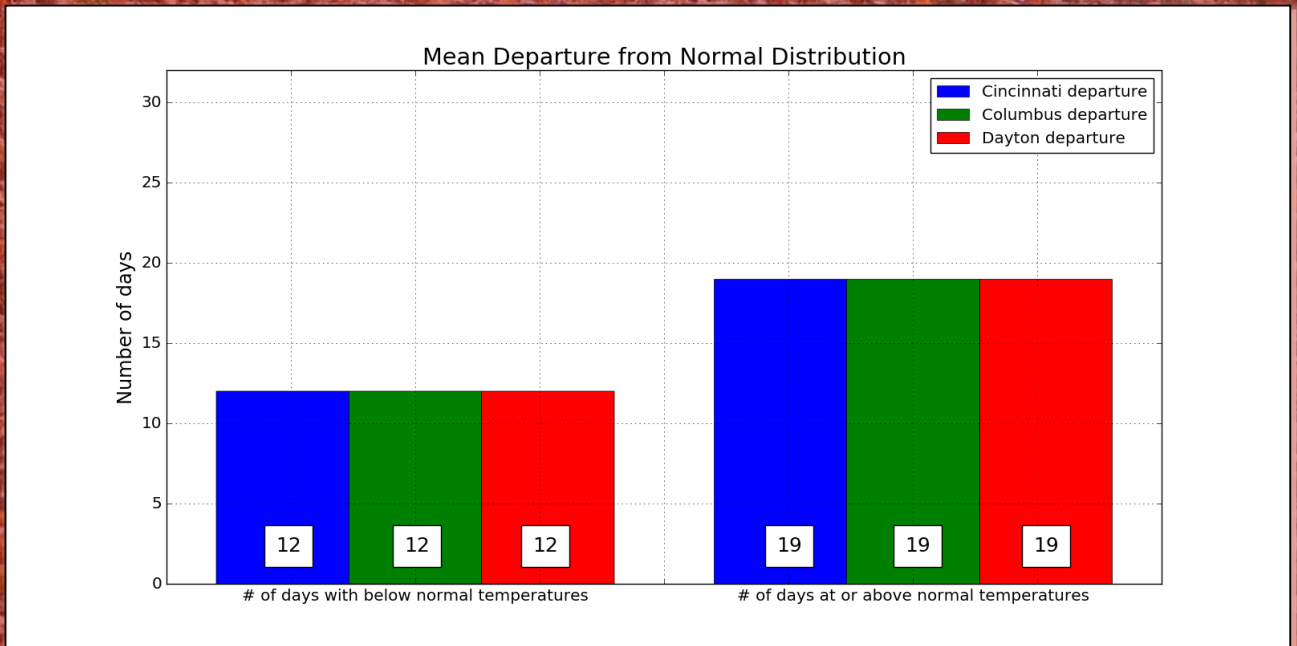
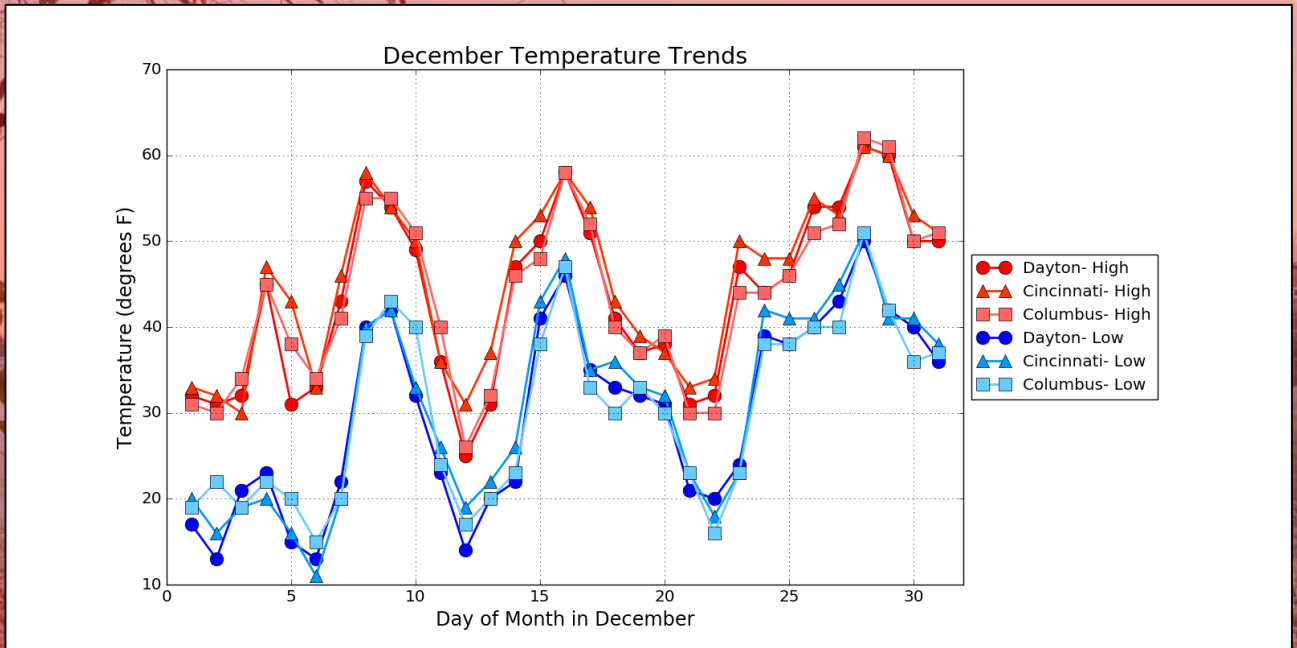
The first week of the month was well below normal with the average temperature below normal by over 10 degrees on at least 5 of the days across a large portion of the region. The second week of the month experienced a roller coaster of temperatures, with temperatures both well above and well below normal. Settling into the third week of the month, temperatures were generally above normal for most of the week. While the 4th week started out a little cool, well above normal temperatures then returned and lasted through the end of the month. No temperature records occurred through the month, although temperatures did make it into the 50s and 60s for the final 5-7 days of 2024.

Overall, the prevalence of above normal temperatures through the latter half of December erased the fairly cold start to the month, with monthly average temperatures generally on the order of 2-3 degrees above seasonal norms.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	38.2°F	45.5°F	31.0°F	+ 2.6°F	61°F (12/28)	11°F (12/06)
Columbus (CMH)	37.0°F	43.6°F	30.3°F	+ 2.5°F	62°F (12/28)	15°F (12/06)
Dayton (DAY)	36.7°F	43.5°F	29.9°F	+ 2.4°F	61°F (12/28)	13°F (Mult.)



Temperatures (Continued)



Precipitation

Precipitation, including snowfall, occurred on several days during the month. While there were several days where snow occurred, most locales picked up around an inch or less with each of the events. There was a lack of significant snow events in December, especially for the second half of the month when a warmer/wetter pattern evolved. In fact, there was measurable precipitation that was reported at Cincinnati (KCVG) on 19 of the 31 days in December, which is the 2nd most on record in December at the site.

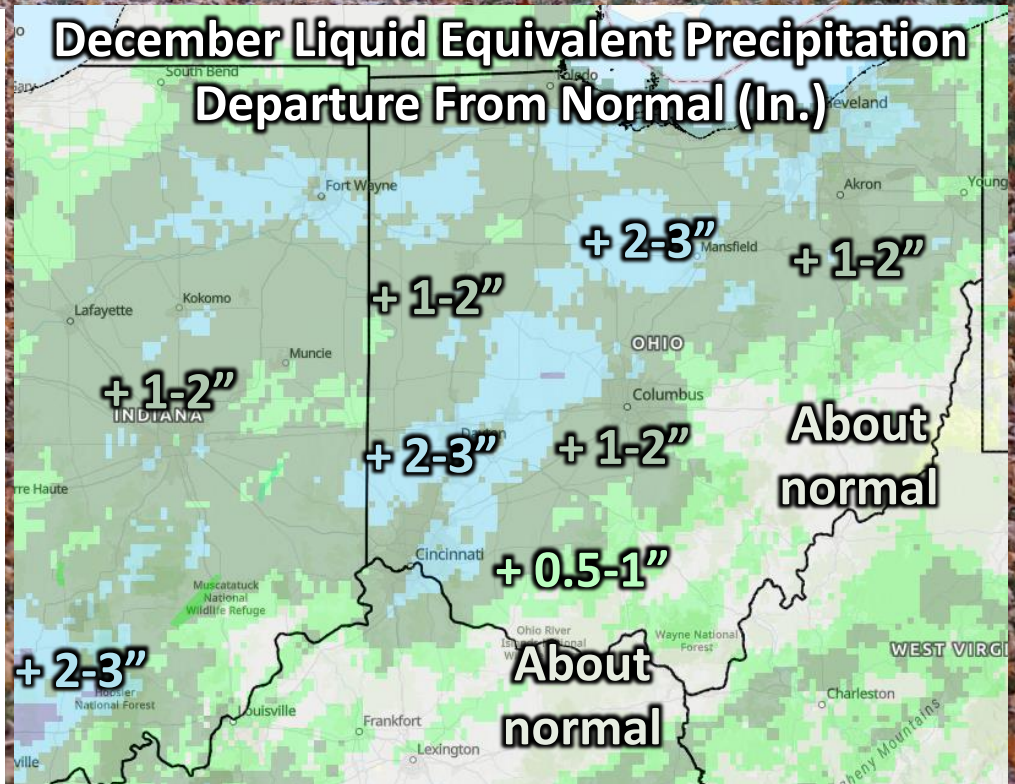
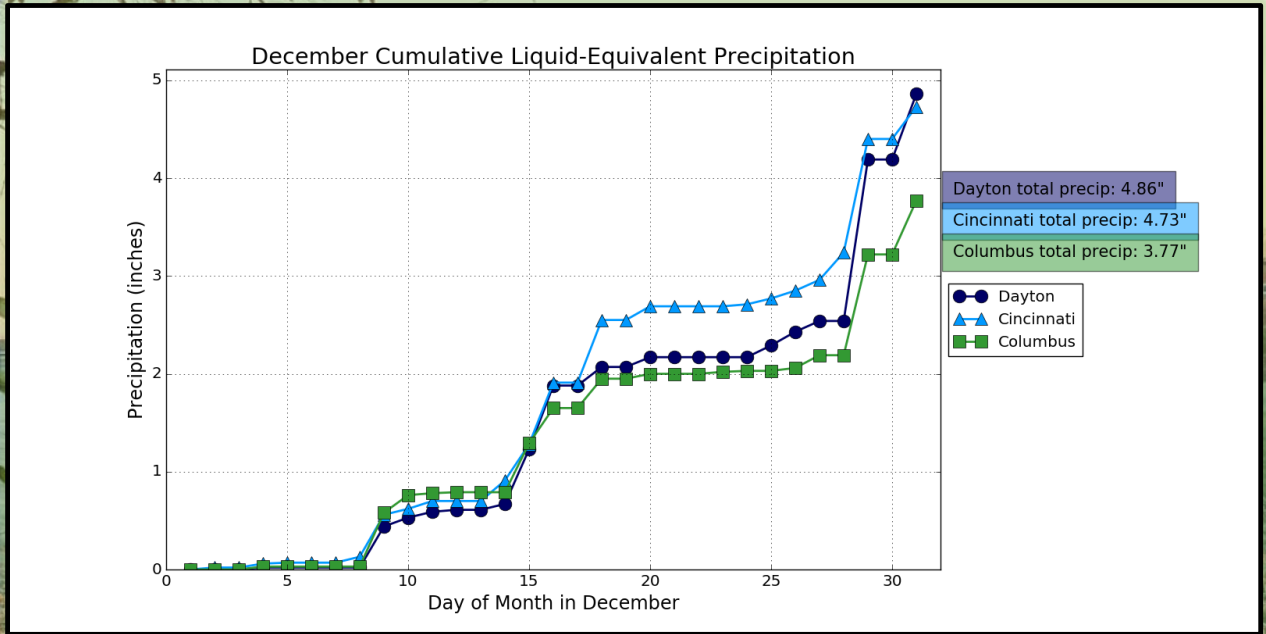
Progressing through the month, it was a fairly dry start owing to the fact that a colder pattern was in place for the start of December. There were several light snow events, with the wetter pattern settling in by the 14th and beyond. In fact, at Cincinnati (KCVG), there was at least a trace (T) of precipitation reported on each of the last 9 days of December and 14 of the last 18. Precipitation was generally a little lighter toward central Ohio than for points further to the southwest, but most of the local area saw an end to drought conditions, with only a very small part of the local area will deemed to be “abnormally dry.”

Aside from a brief EFO tornado that was confirmed in Union County, Ohio on 12/29, there was minimal severe storm activity through the month.

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	4.73"	+ 1.00"	1.16"	12/29	2.3"	1.3"	12/11
Columbus (CMH)	3.77"	+ 0.64"	1.03"	12/29	0.5"	0.3"	12/11
Dayton (DAY)	4.86"	+ 1.81"	1.65"	12/29	1.7"	0.8"	12/11



Precipitation (Continued)



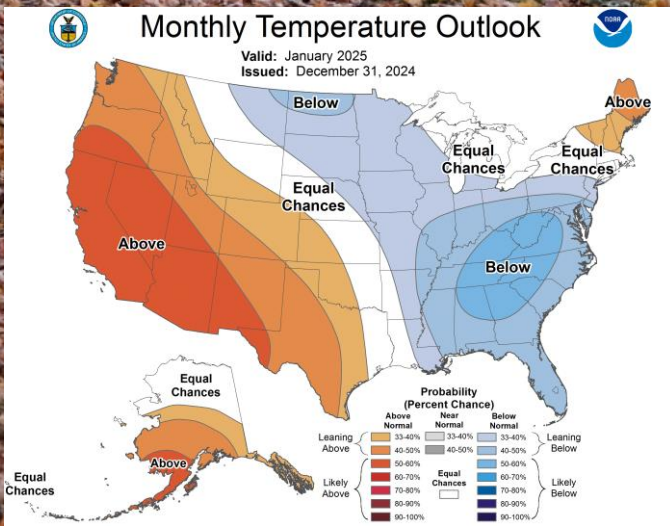
January Outlook

The latest outlook from the Climate Prediction Center (CPC) indicates favorable probabilities for below normal temperatures in January throughout the Ohio Valley, with no clear signal for above normal or below normal precipitation.

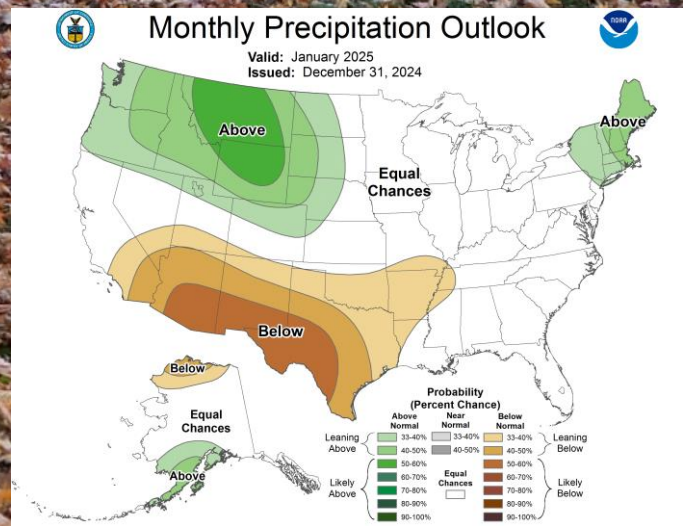
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	31.4°F	39.6°F	23.1°F
Columbus (CMH)	29.6°F	37.1°F	22.0°F
Dayton (DAY)	29.4°F	37.1°F	21.8°F

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.30"	7.7"
Columbus (CMH)	3.00"	9.5"
Dayton (DAY)	3.08"	8.3"

Upcoming Temperature Outlook



Upcoming Precipitation Outlook

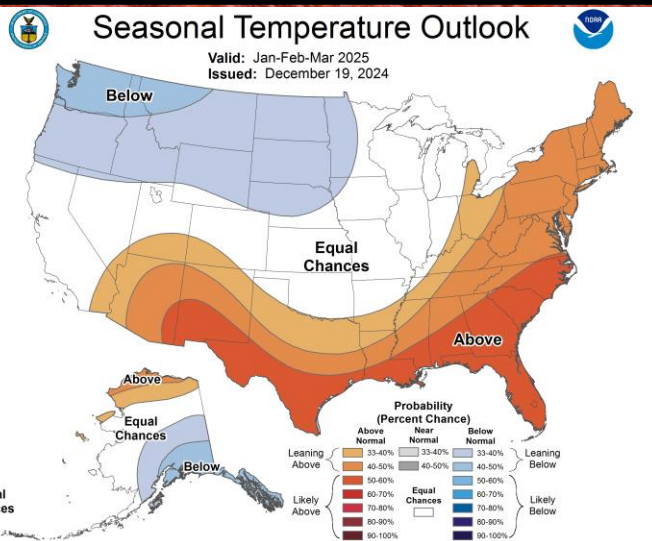


January - March Outlook

The latest guidance suggests that weak La Niña conditions may still develop through early spring, but ENSO conditions are expected to trend back closer to neutral by late spring into early this upcoming summer. However, it is too early to determine whether weak El Niño conditions will develop toward the latter half of 2025.

In the meantime, the neutral to borderline weak La Niña conditions are expected to translate into a warmer/wetter than normal pattern in the Ohio Valley as we progress into late winter and early spring. These are conditions that are fairly typical of a weak La Niña setup.

Three-Month (JFM) Temp. Outlook



Three-Month (JFM) Precip. Outlook

