

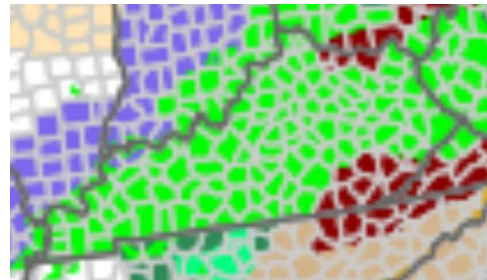
Winter 2024-25 Seasonal Summary

March 2, 2025
10:25 PM

Plenty of Snow and Rain

After a somewhat uneventful December, winter came charging into the region in January when a [major winter storm](#) impacted the Ohio Valley on the 5th and 6th. When all was said and done, the storm had dropped a swath of heavy snow and sleet ranging between 6 and 12 inches across southern Indiana and north central Kentucky. In addition, damaging amounts of ice from .25" to .75" glazed much of Kentucky. In some areas, including the Louisville metro, snow fell for several hours, followed by freezing rain, and then followed by another bout of snow, resulting in a layer of ice in the middle of the final snowpack. On the 5th record daily precipitation records were set at Frankfort and Louisville, which is quite unusual to see in a snow/ice storm. Nearly 100,000 people were without power. Another winter storm struck several days later and was followed by the coldest temperatures of the winter. Many locations dipped below zero January 20-22, including -9° in Shelby County on the 22nd.

In February a strong storm system brought 2025's first tornado to central Kentucky when an EF1 twister spun across northern [Hart County](#). This was followed a little over a week later by one of the worst [floods](#) in years, as torrential rains drenched the entire Commonwealth, as well as southern Indiana, on February 14-16. At one point nearly every county in Kentucky was under a flood warning.



Left: Map showing the entire state of Kentucky under a Flash Flood Warning (brown) or a Flood Warning/River Flood Warning (green).

Right: Icy snow January 5.



Photo courtesy Colleen Salas



Photo courtesy Jenna Grossman





Averages, Departures, & Records

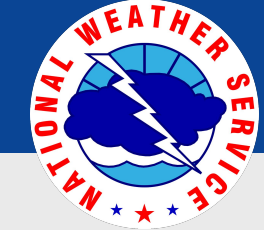
March 2, 2025
10:25 PM

Station Values

	Average Temperature	Departure from Normal	Precipitation	Departure from Normal	Snow	Departure from Normal
Bowling Green	39.2°	-0.4°	18.72"	+6.66"	9.4"	+2.5"
Frankfort	35.1°	-1.6°	15.66"	+5.22"		
Lexington	36.4°	0°	14.23"	+2.97"	21.6"	+10.5"
Louisville Ali	37.6°	-0.7°	13.98"	+3.05"	22.1"	+11.3
Louisville Bowman	35.5°	-2.0°	12.66"	+2.23"		

Source: [NWS Louisville Climate](#)



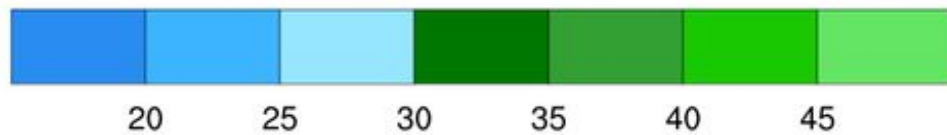
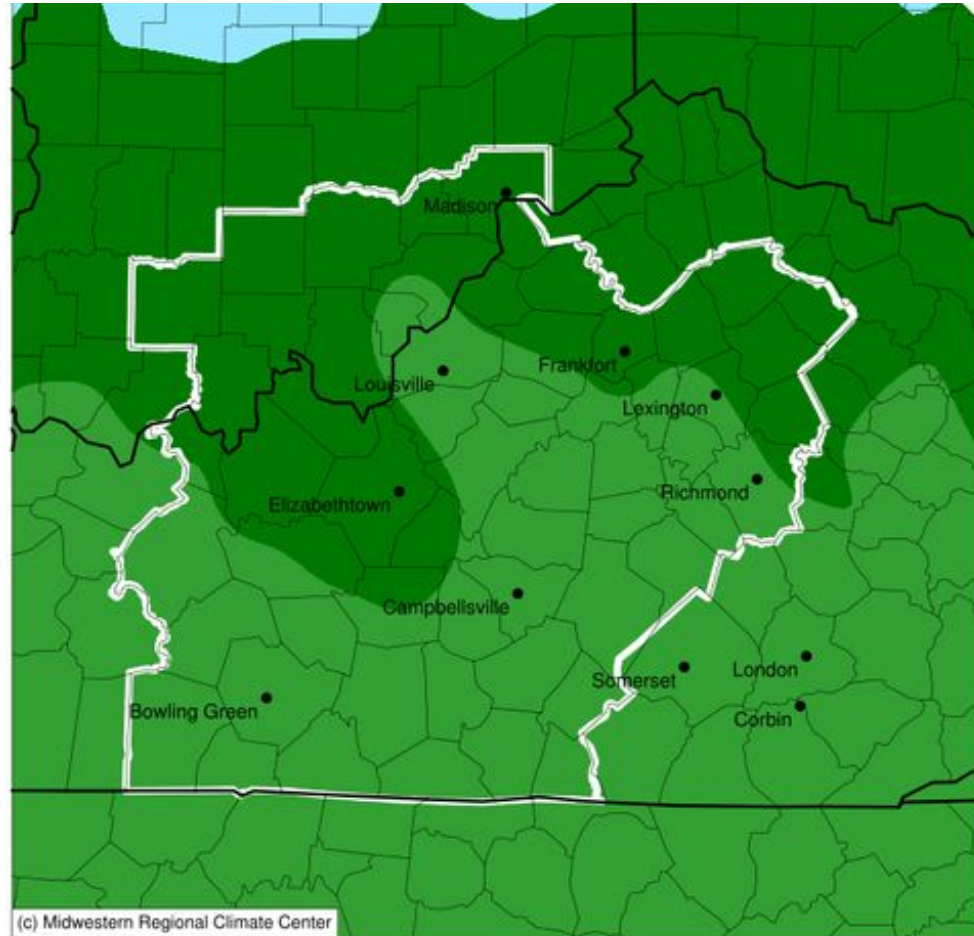


Temperature Maps

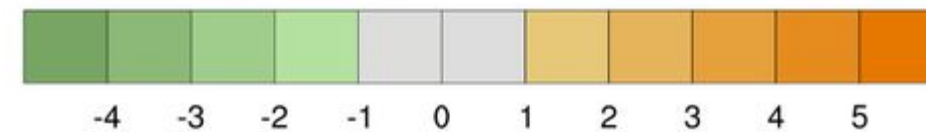
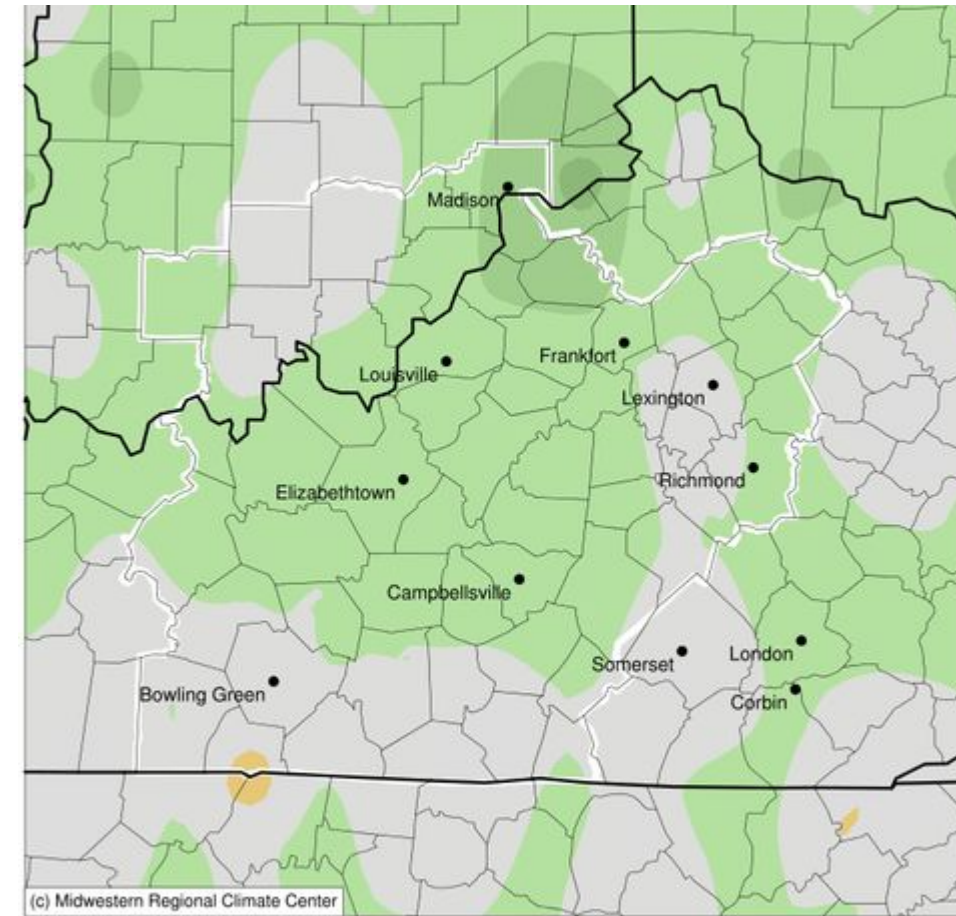
March 2, 2025
10:25 PM

Average temperature was from near normal to just slightly colder than normal

Average Temperature

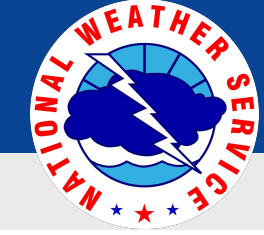


Average Temperature Departure from Normal



Source: [MRCC](#)



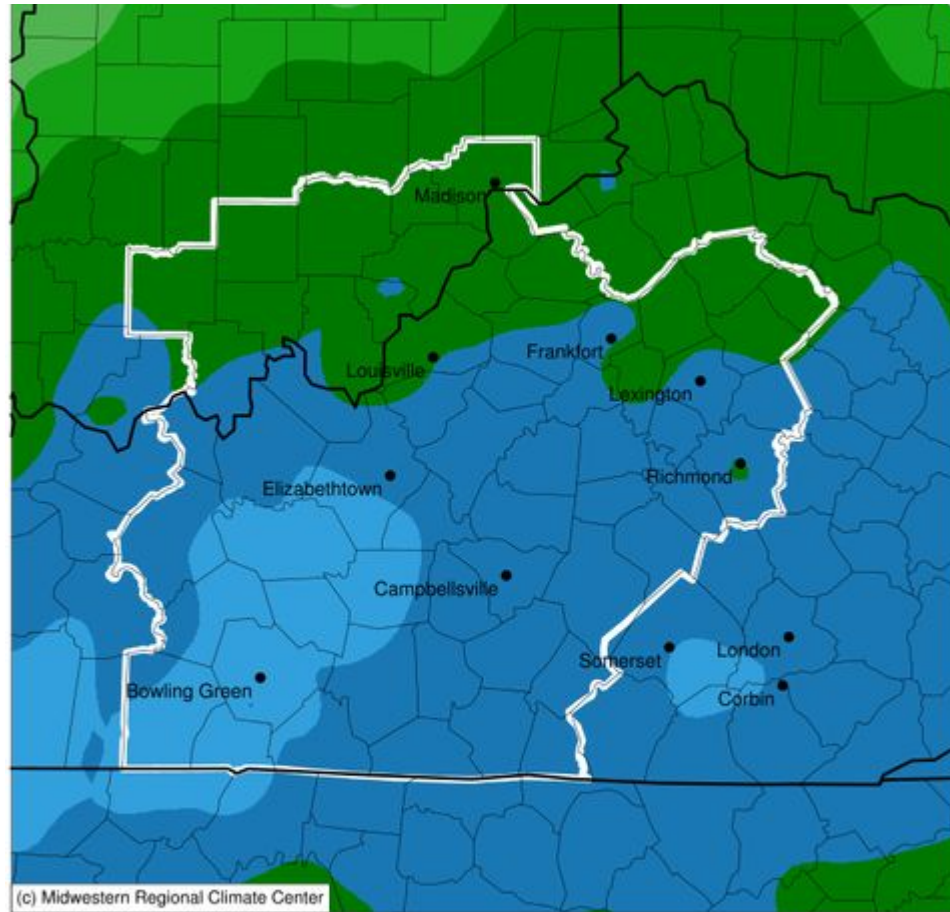


Precipitation Maps

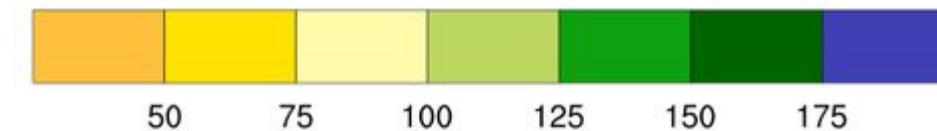
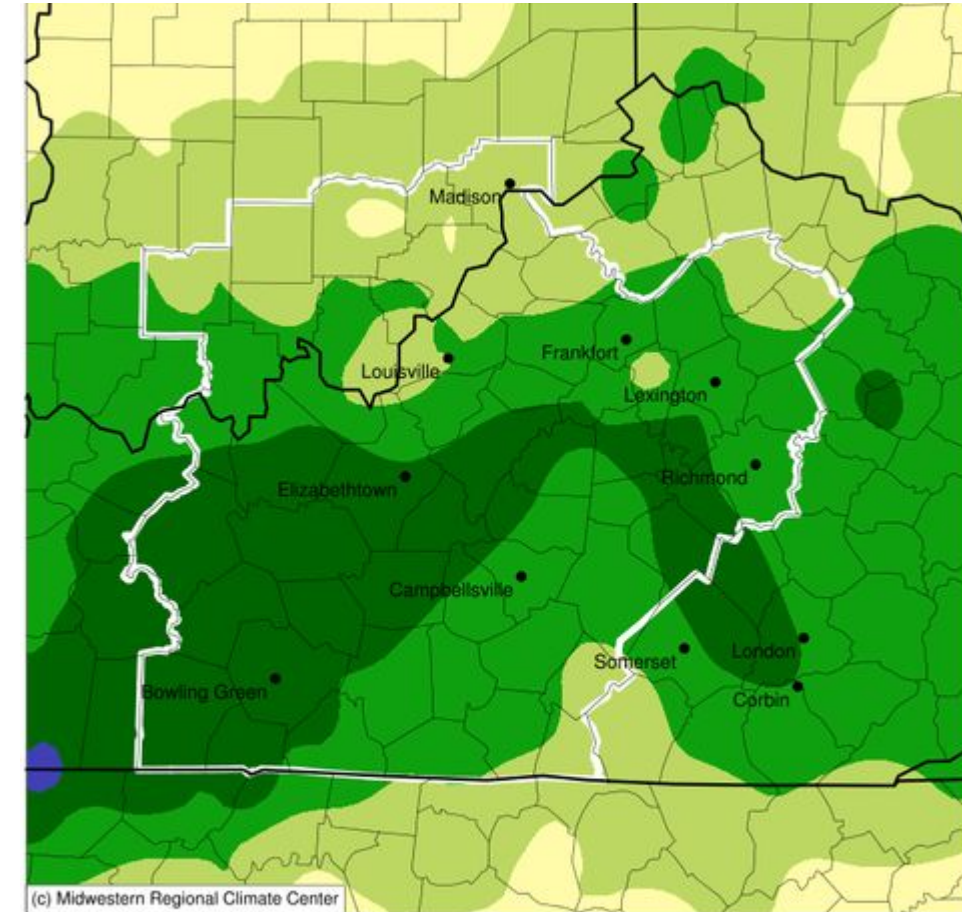
March 2, 2025
10:25 PM

Very wet, in keeping with typical La Niña

Total Precipitation



Total Precipitation Percentage of Normal



Source: [MRCC](#)



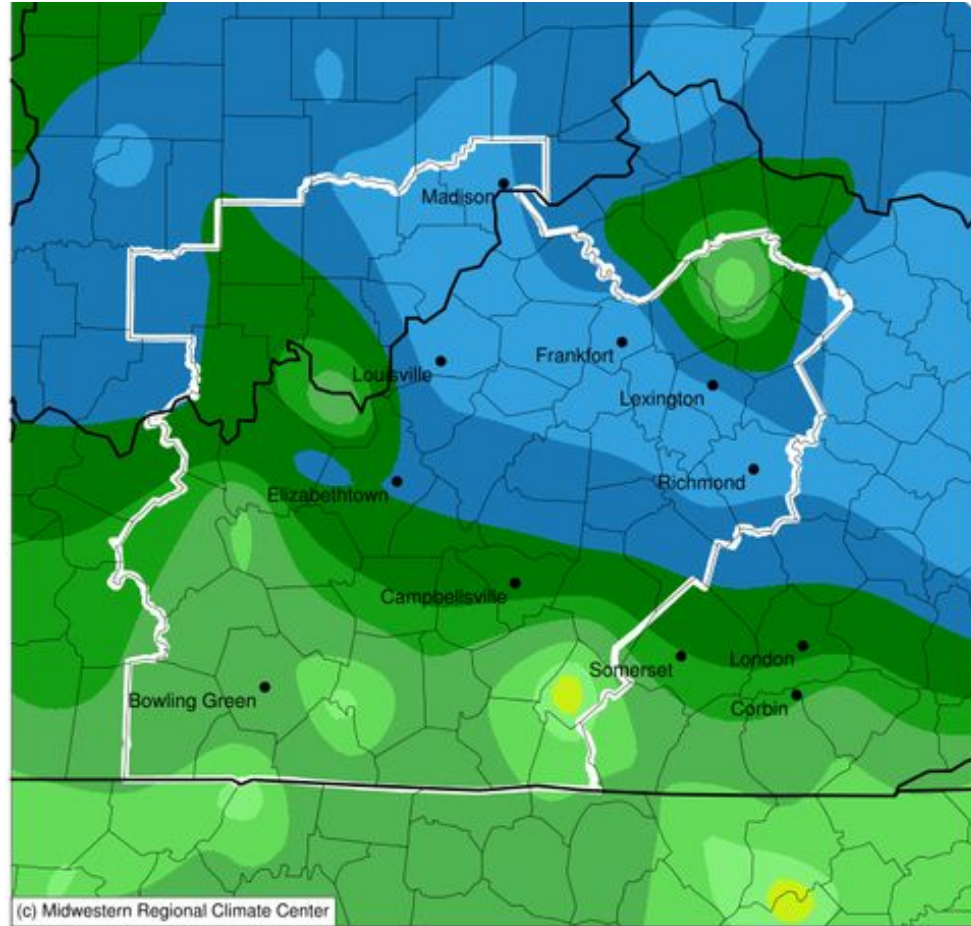


Snowfall Maps

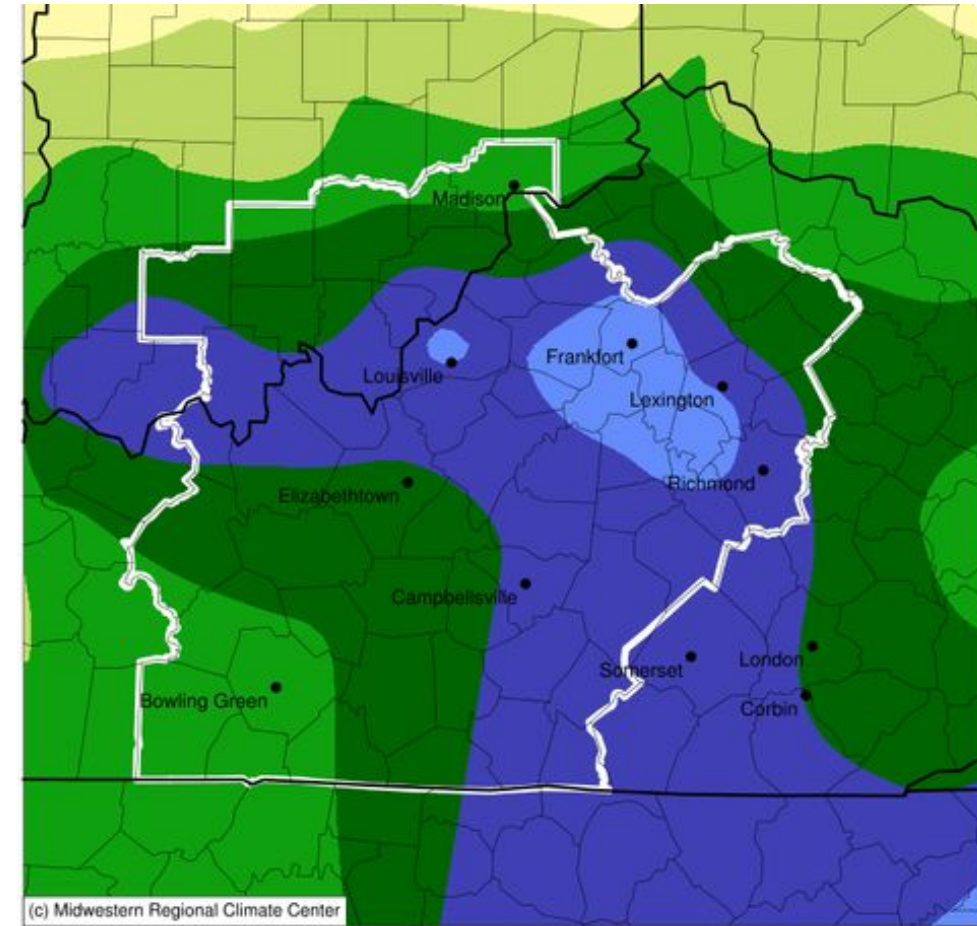
March 2, 2025
10:25 PM

December 1 - February 28

Total Snowfall

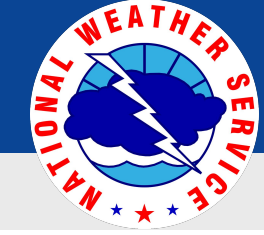


Total Snowfall Percentage of Normal



Source: [MRCC](#)

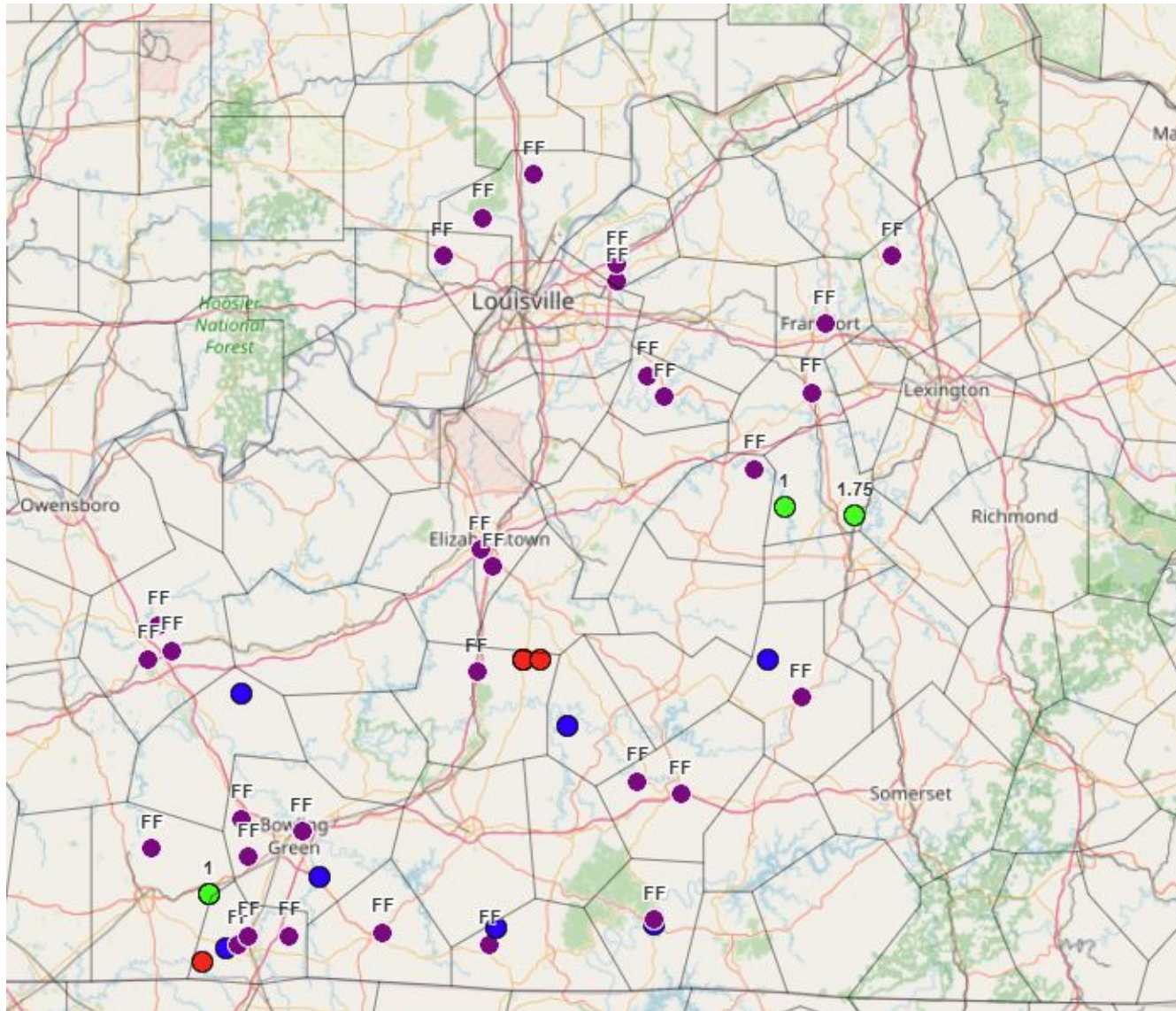




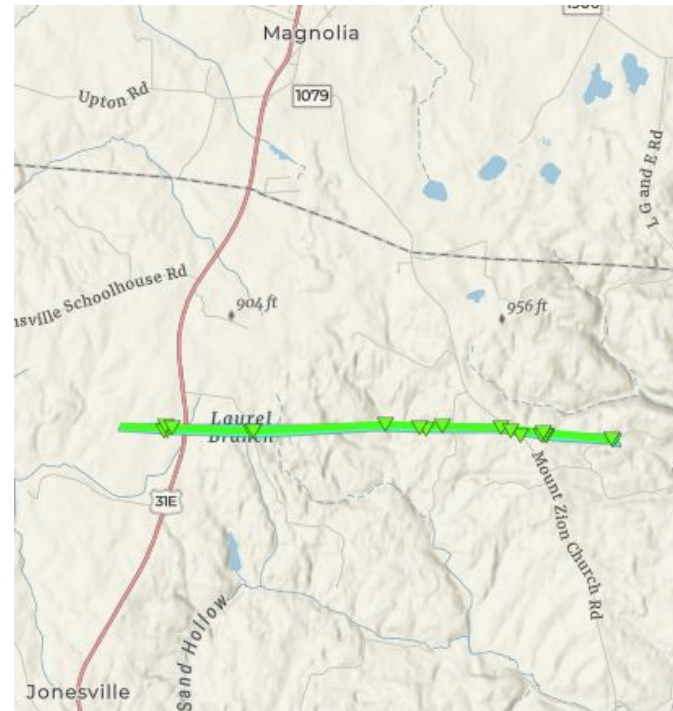
Preliminary Severe Weather Reports

March 2, 2025
10:25 PM

December 1, 2024 - February 28, 2025



All of the severe storms this winter occurred on February 6 and [15](#), with each event including one EF1 tornado (see images below). Much of the dangerous stormy weather came in the form of widespread flooding and flash flooding in mid-February. The region also experienced significant winter storms January 5-8, January 10, January 18-19, February 10-11, February 15-16, and February 18-19.



Above left: EF1 tornado track in northern Hart County February 6

Above right: EF1 tornado track in western Simpson County February 15

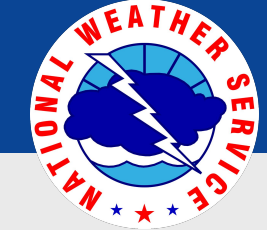
● Wind ● Hail ● Tornado ● Flash Flood

Source: [NWS Severe Verification Helper](#)



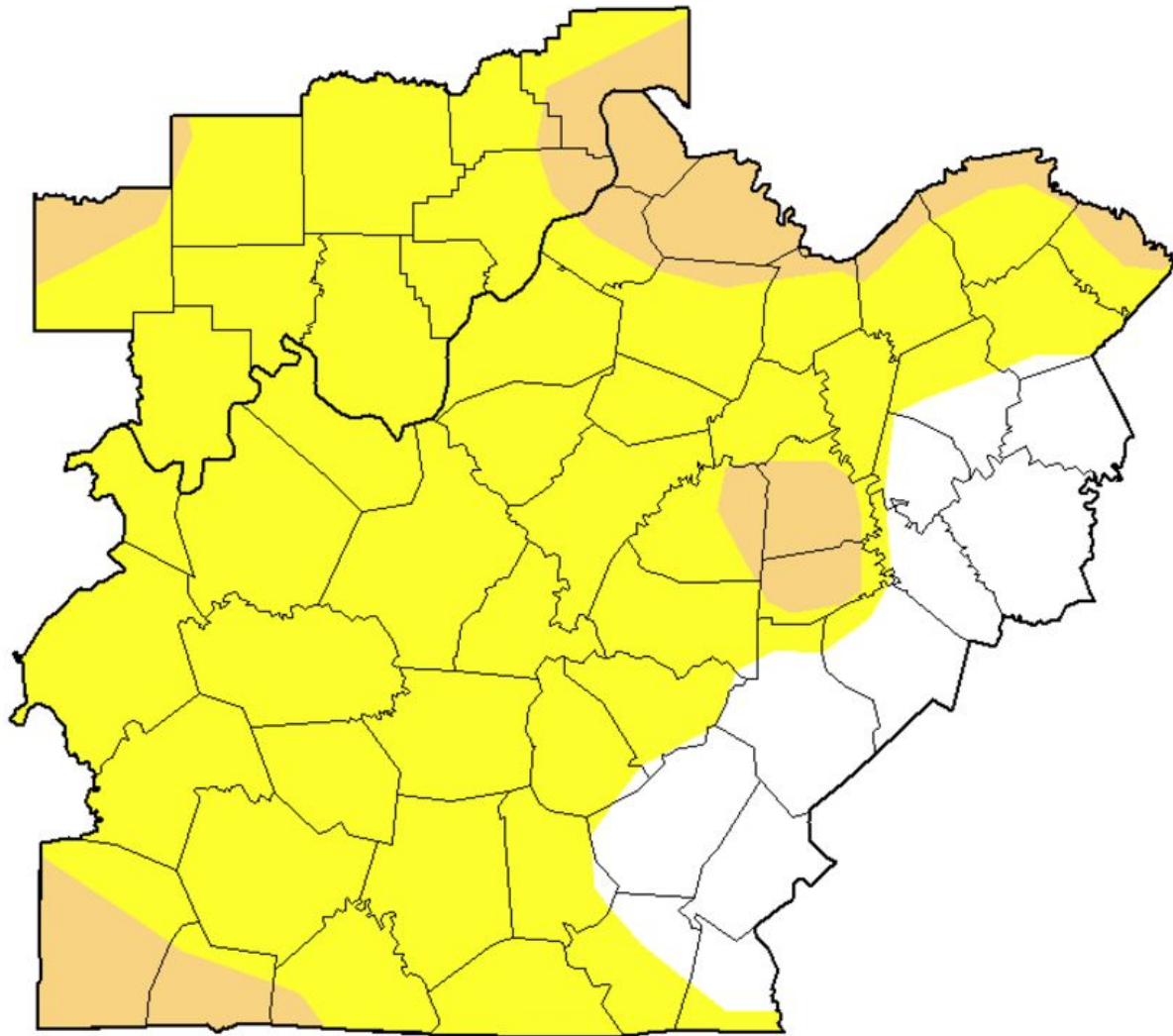
National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Louisville, KY

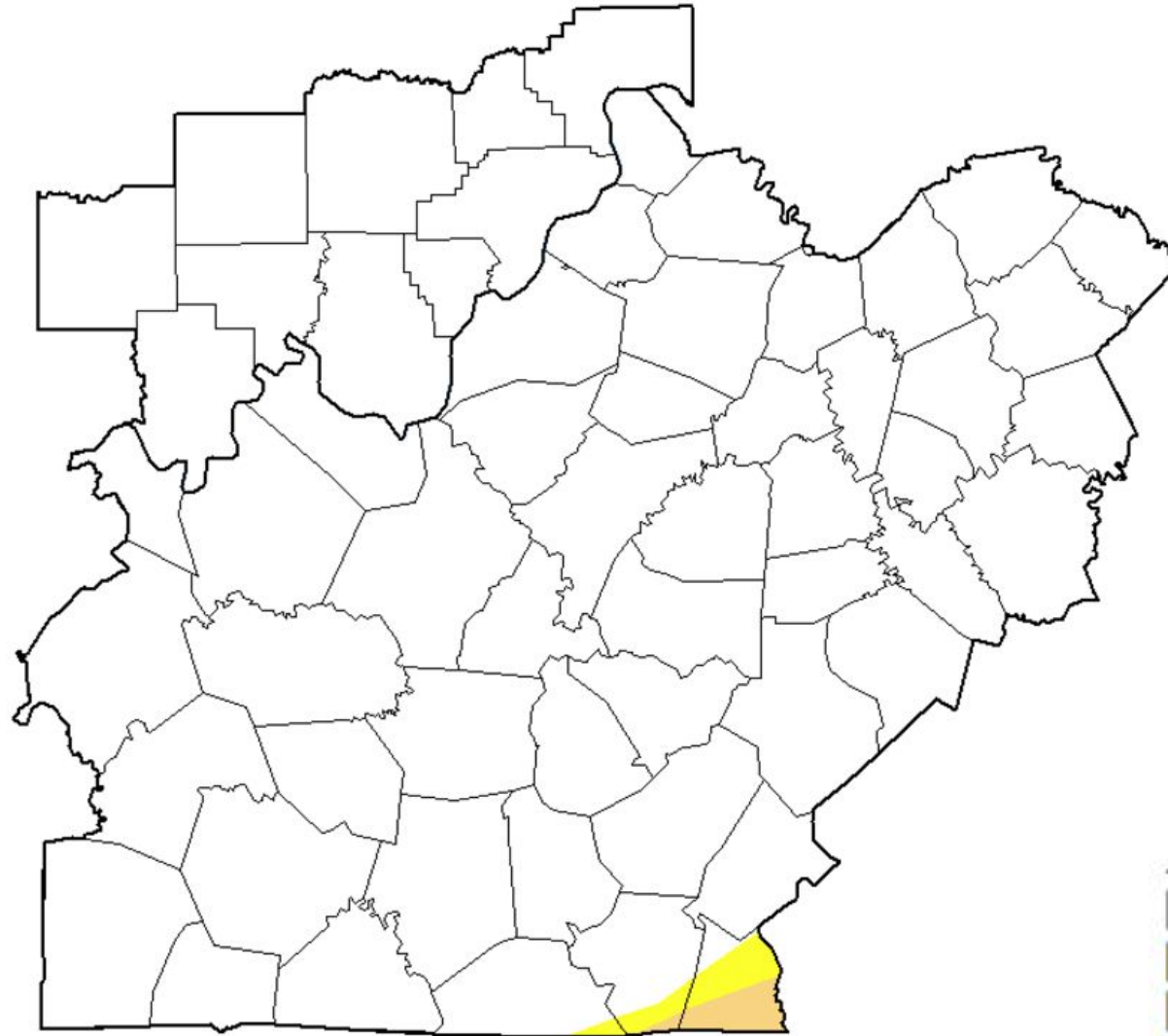


U.S. Drought Monitor Maps

March 2, 2025
10:25 PM









September 3, 2024



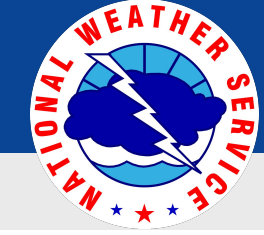
November 26, 2024

Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

Source: [USDM](#)





CPC Seasonal Outlook - Spring 2025

March 2, 2025
10:25 PM

The odds favor warmer than normal temperatures and higher than normal precipitation.



Seasonal Temperature Outlook



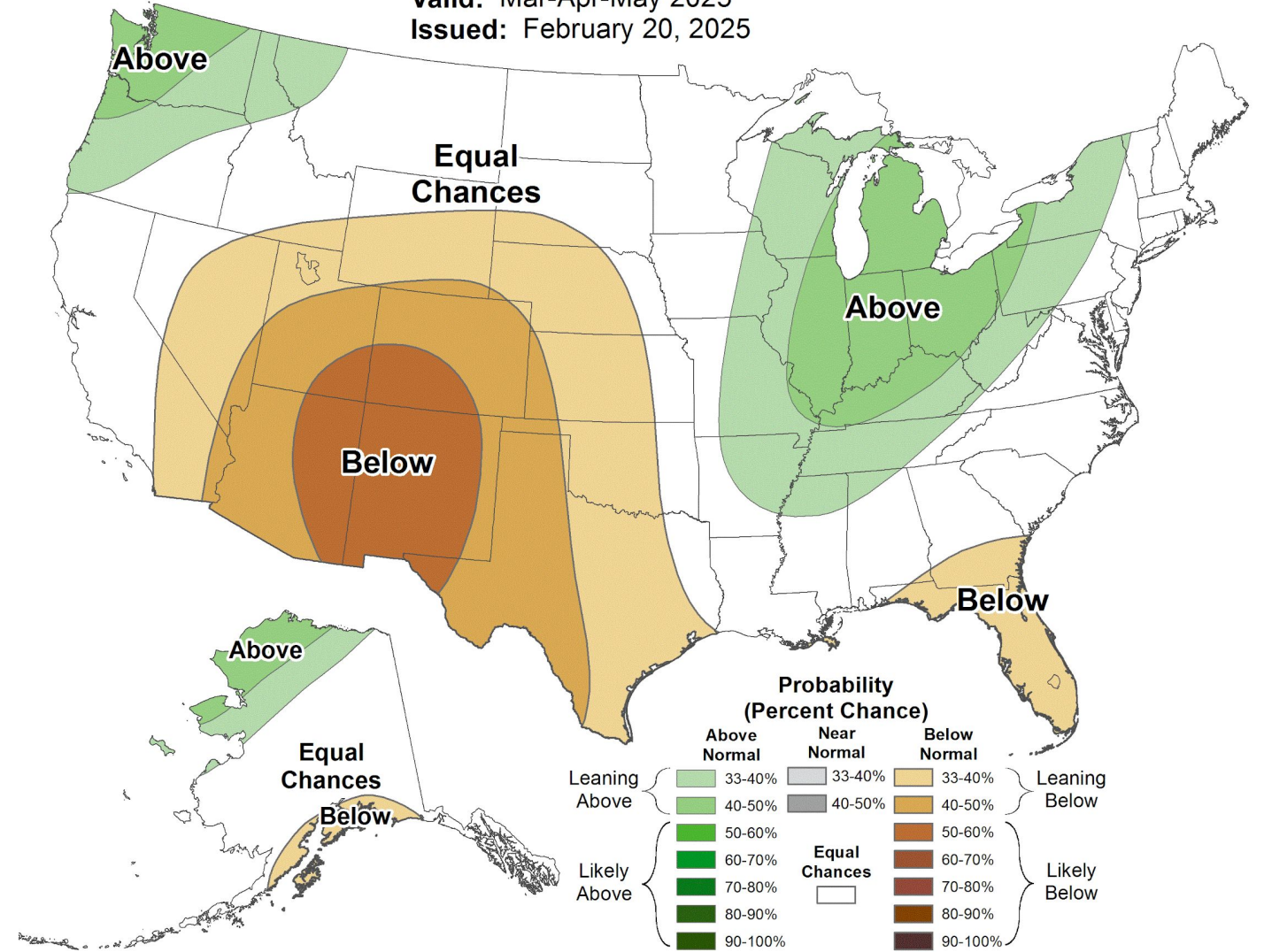
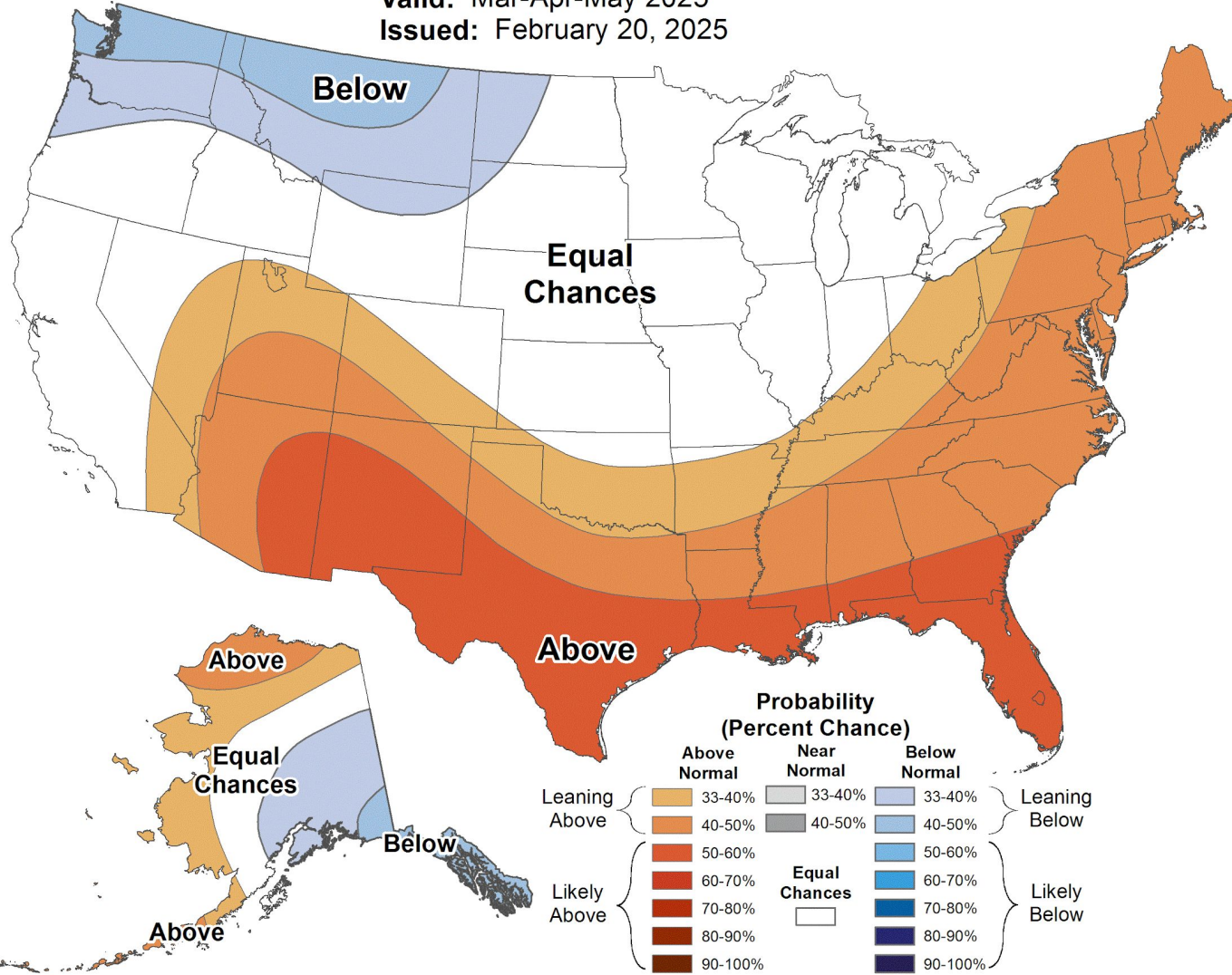
Valid: Mar-Apr-May 2025
Issued: February 20, 2025



Seasonal Precipitation Outlook



Valid: Mar-Apr-May 2025
Issued: February 20, 2025



Source: [Climate Prediction Center, NOAA](https://www.cpc.ncep.noaa.gov)

