



Summer 2024 Seasonal Summary

September 2, 2024
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A Warm and Dry June-August for Most

Summer 2024 was like many summers in the Ohio and Tennessee Valleys: many warm, even hot, days, with occasional scattered summertime storms. While much of the area was drier than normal, a few spots did receive heavier rainfall, especially in July along and west of I-65 while areas to the east missed out. Seasonal rainfall totals among [CoCoRaHS](#) volunteers in southern Indiana and central Kentucky who reported every day ranged from a minimum of 7.46" in Mercer County to 14.62" south of Bowling Green. [Kentucky Mesonet](#) totals in the middle part of the state were from 5.52" in Harrison County to 15.48" in Ohio County.

There were only three tornadoes, one of which was a brief EF-1 that touched down on the Fourth of July on the west side of Louisville.

The hottest stretch of weather occurred over the final week of the meteorological season, with widespread mid and upper 90s and even a few 100°+ degree readings during the last week of August.



Sunset on the Ohio River at Louisville July 27





Averages, Departures, & Records

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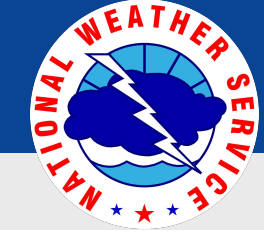
Station Values

	Average Temperature	Departure from Normal	Precipitation	Departure from Normal	Snow	Departure from Normal
Bowling Green	78.9°	+0.8°	12.15"	-0.51"	0	0
Frankfort	76.3°	+0.6°	8.63"	-3.55"		
Lexington	77.3°	+2.1°	10.48"	-3.31"	0	0
Louisville Ali	79.6°	+1.2°	8.68"	-3.35"	0	0
Louisville Bowman	76.4°	-0.8°	10.04"	-2.73"		

6th warmest summer on record at Lexington
8th warmest summer on record at Louisville

Source: [NWS Louisville Climate](#)



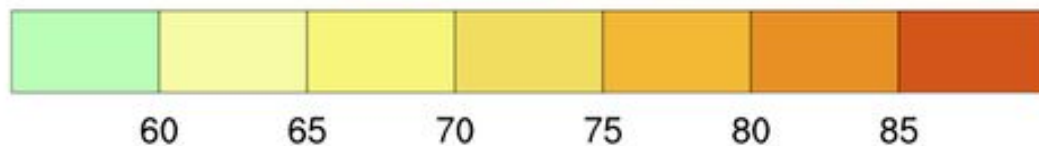
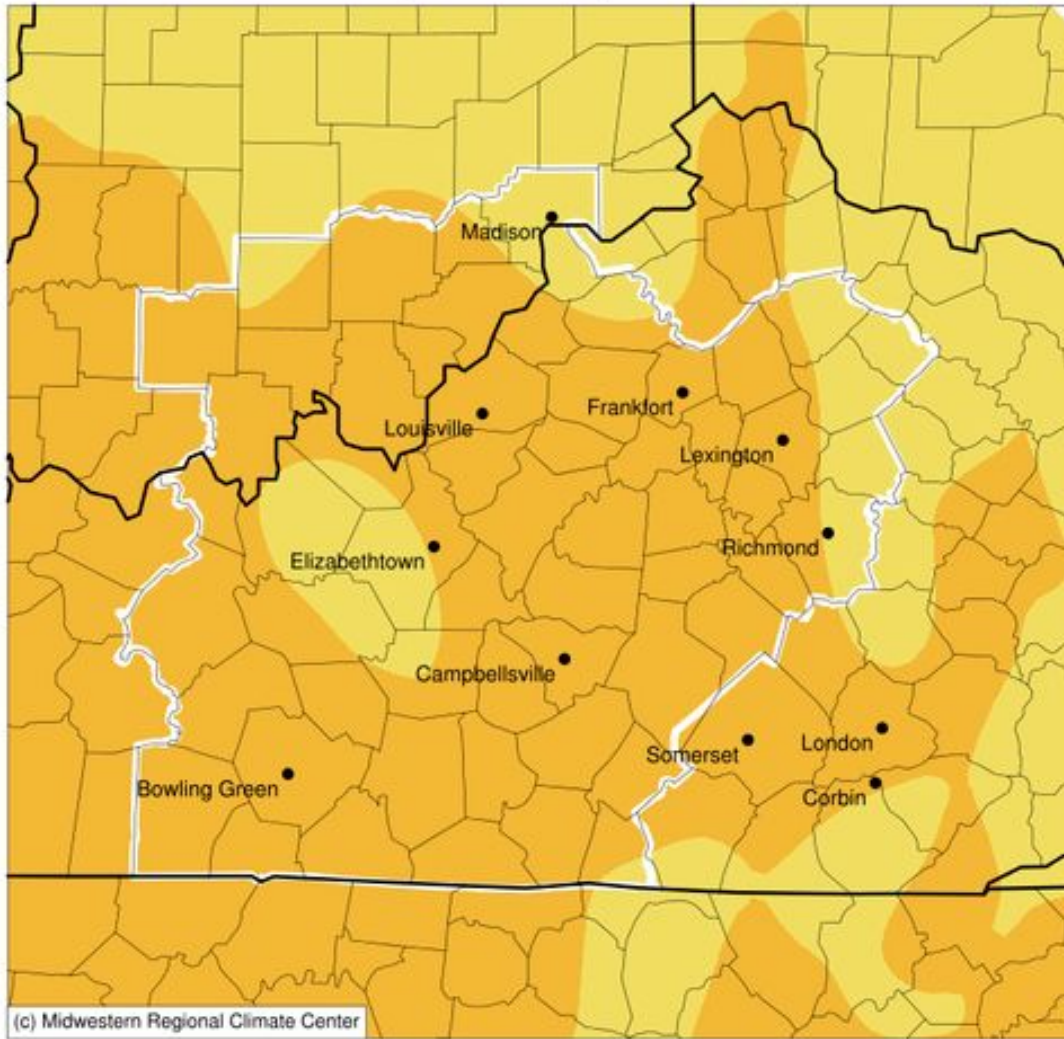


Temperature Maps

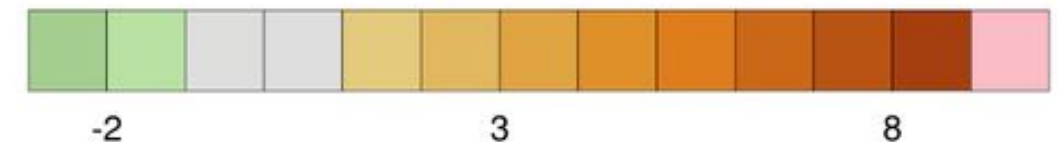
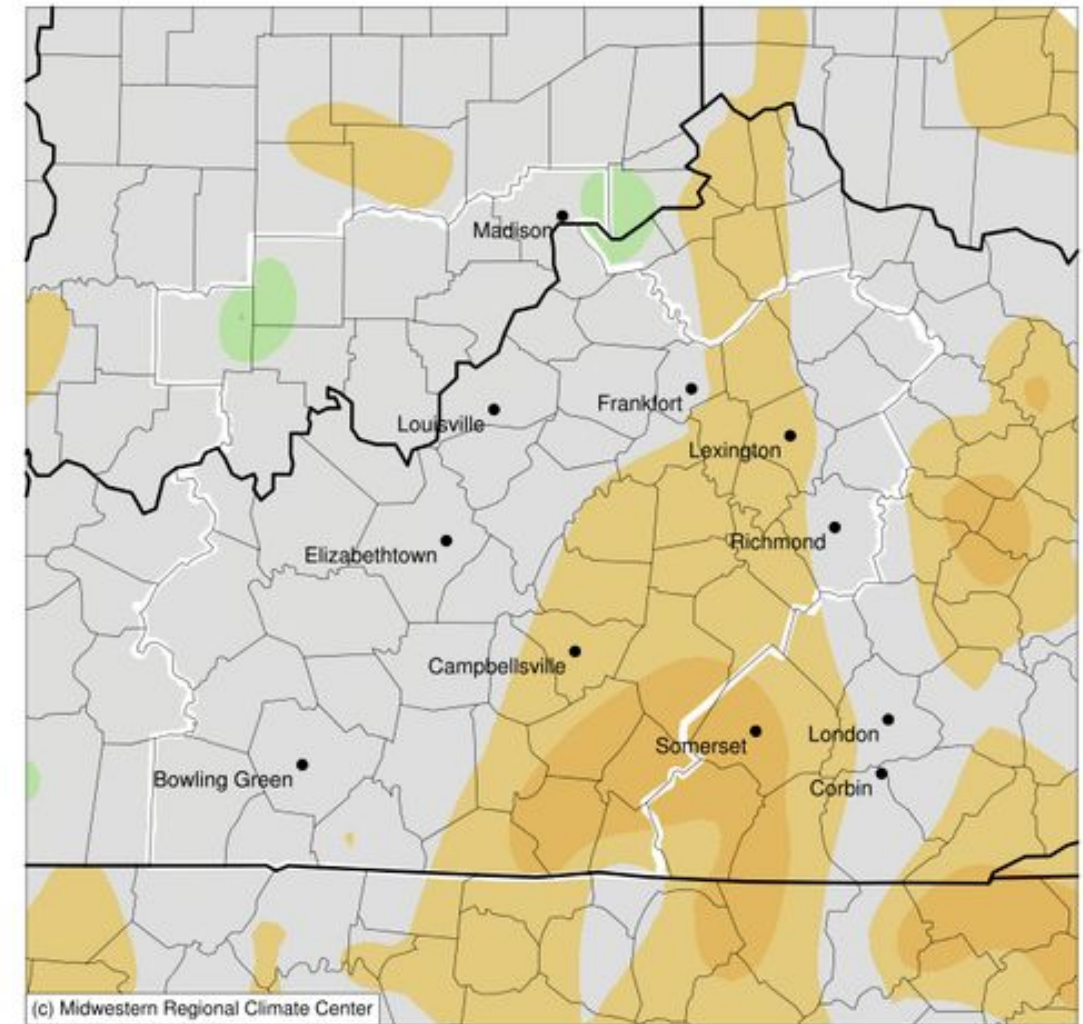
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Overall, fairly normal summer temperatures; slightly warmer than normal in the Blue Grass and Lake Cumberland regions

Average Temperature (°F)
June 01, 2024 to August 31, 2024

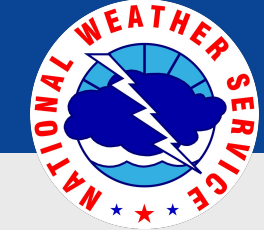


Average Temperature (°F): Departure from 1991-2020 Normals
June 01, 2024 to August 31, 2024



Source: [MRCC](#)



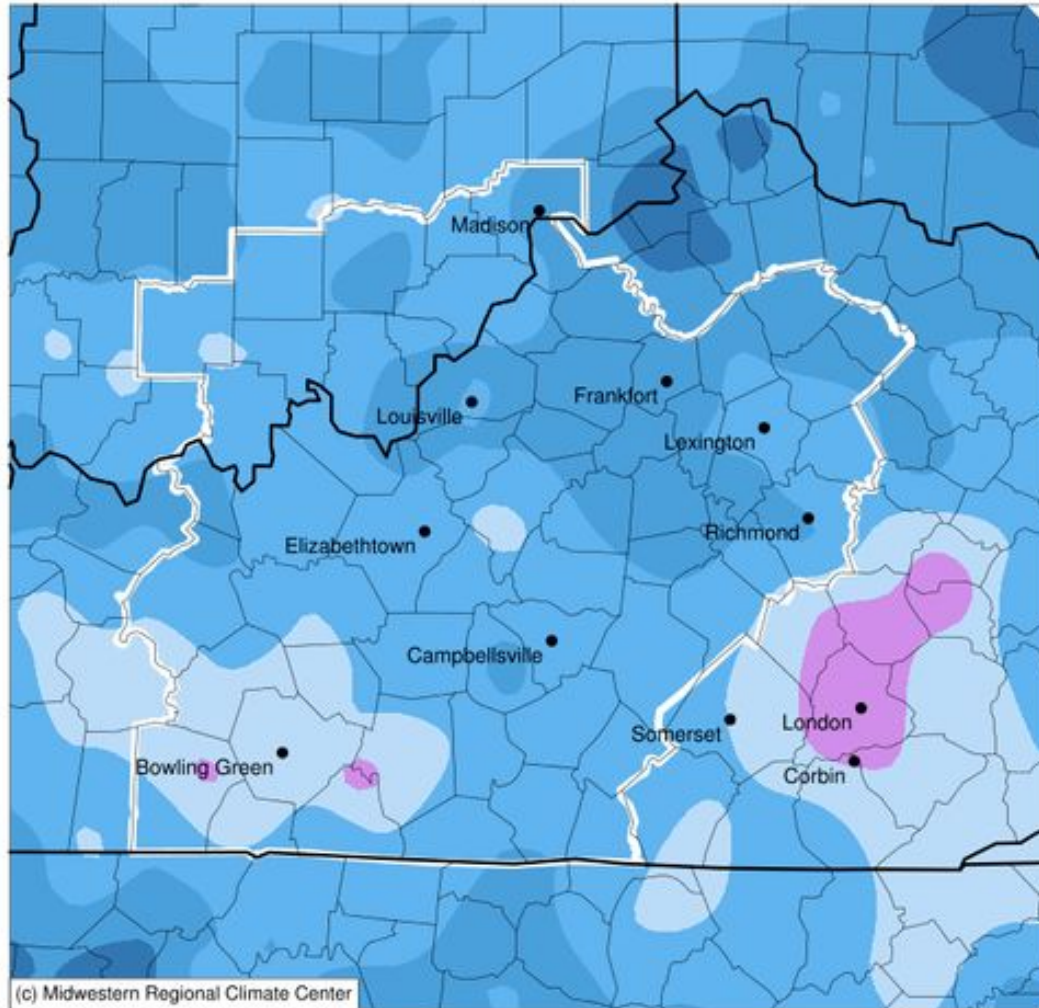


Precipitation Maps

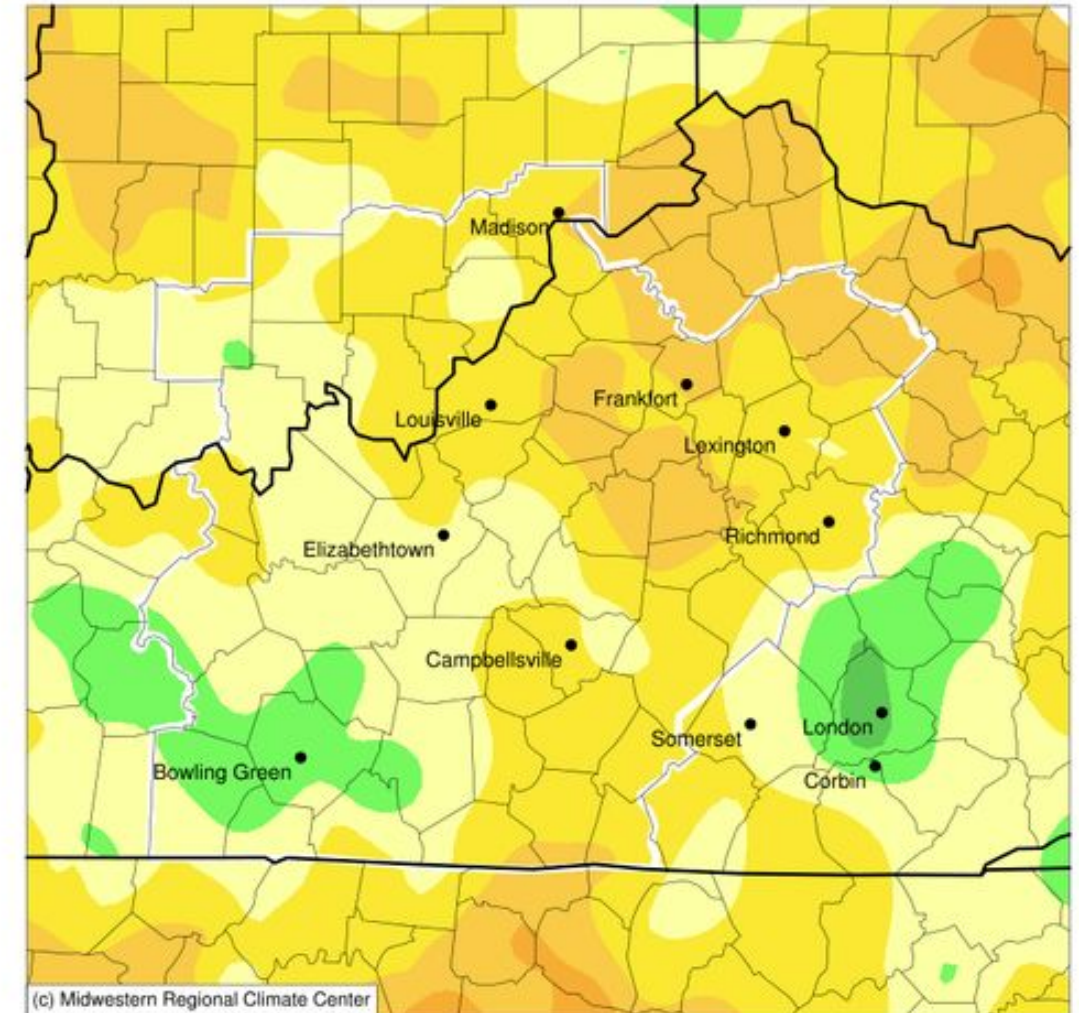
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A dry summer for most, especially in the Blue Grass

Accumulated Precipitation (in)
June 01, 2024 to August 31, 2024



Accumulated Precipitation (in): Departure from 1991-2020 Normals
June 01, 2024 to August 31, 2024



Source: [MRCC](#)





Preliminary Severe Weather Reports

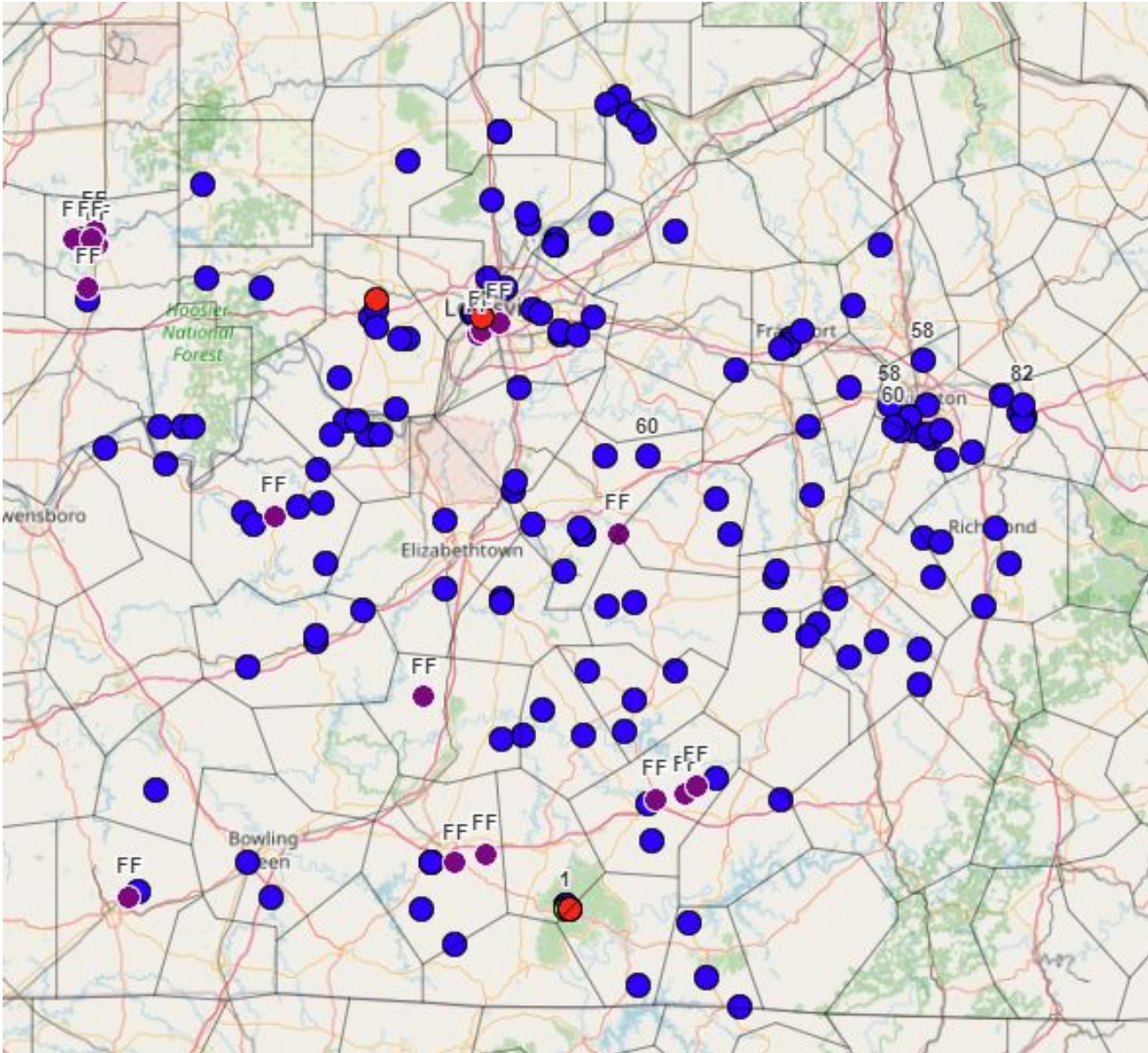
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June 1 - August 31

Severe weather was evenly distributed throughout the district. Almost all reports were of strong straight-line winds, with just a few tornadoes (July 4 and July 9). Slow-moving thunderstorms with locally torrential rainfall produced some flash flooding, especially in July.



Left: damage from an EF-0 tornado about four miles north of Corydon on the Fourth of July.



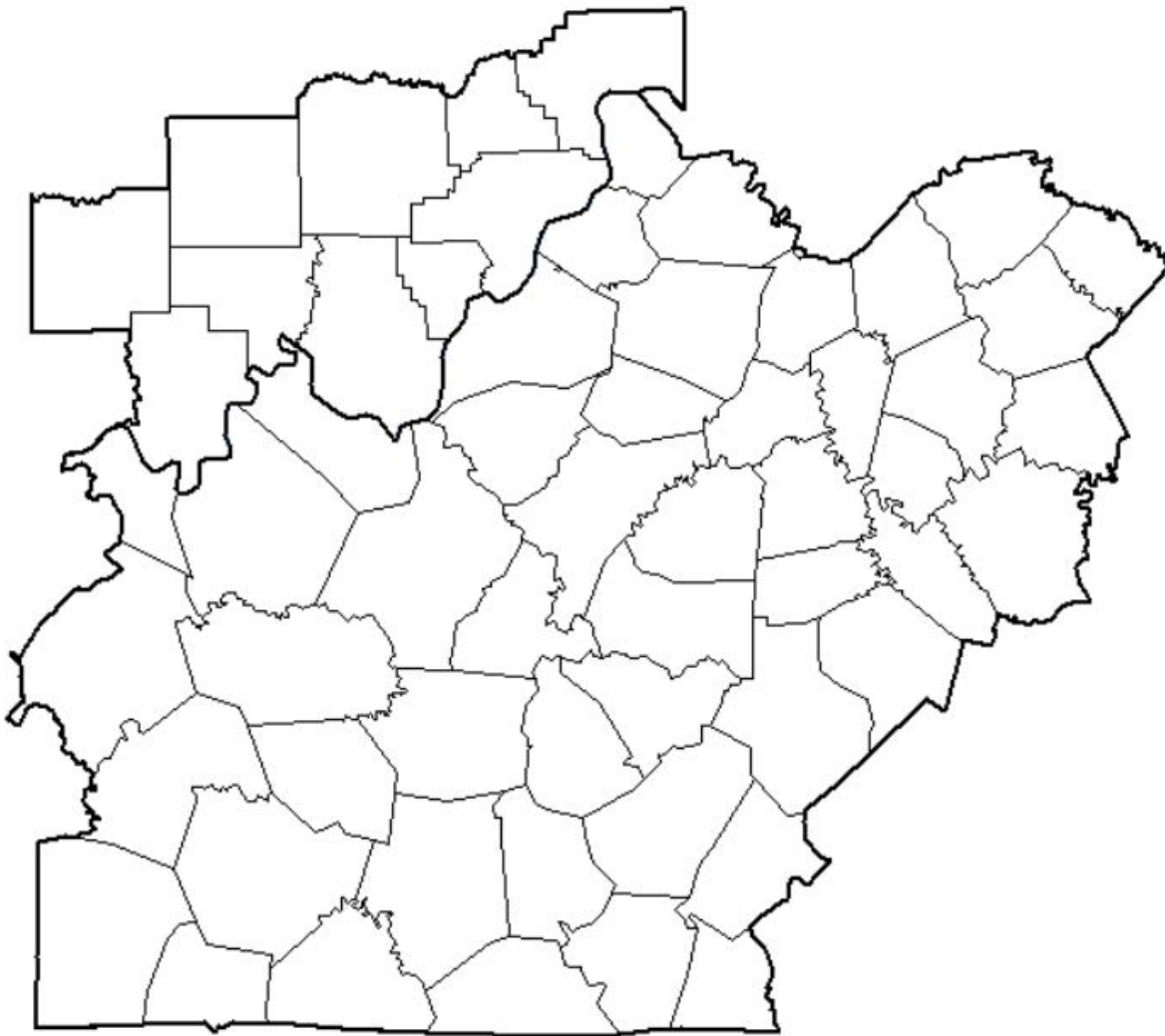
Source: [NWS Severe Verification Helper](#)

● Wind ● Hail ● Tornado ● Flash Flood

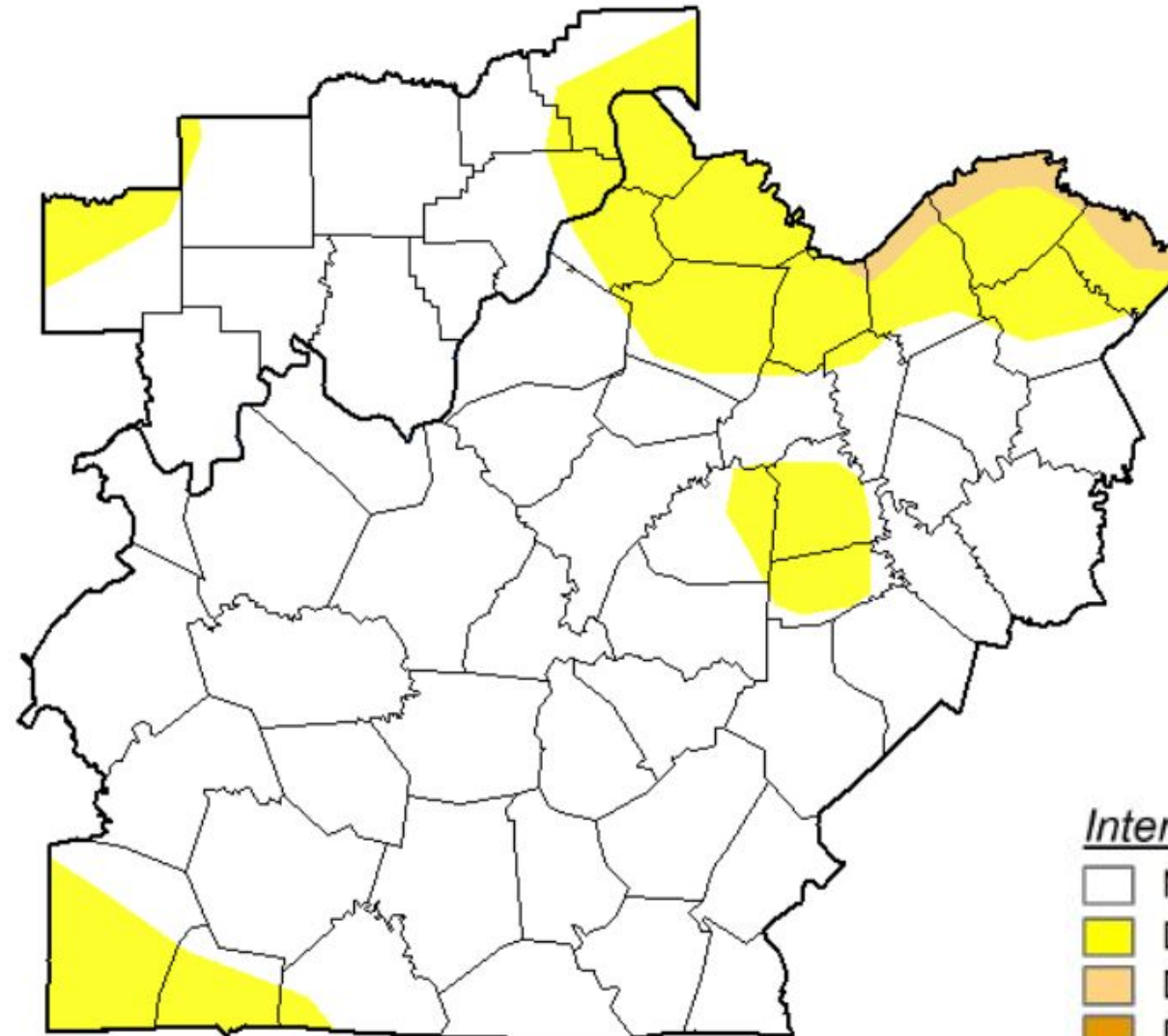


U.S. Drought Monitor Maps

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June 4, 2024



August 27, 2024

Intensity:

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

Source: [USDM](#)



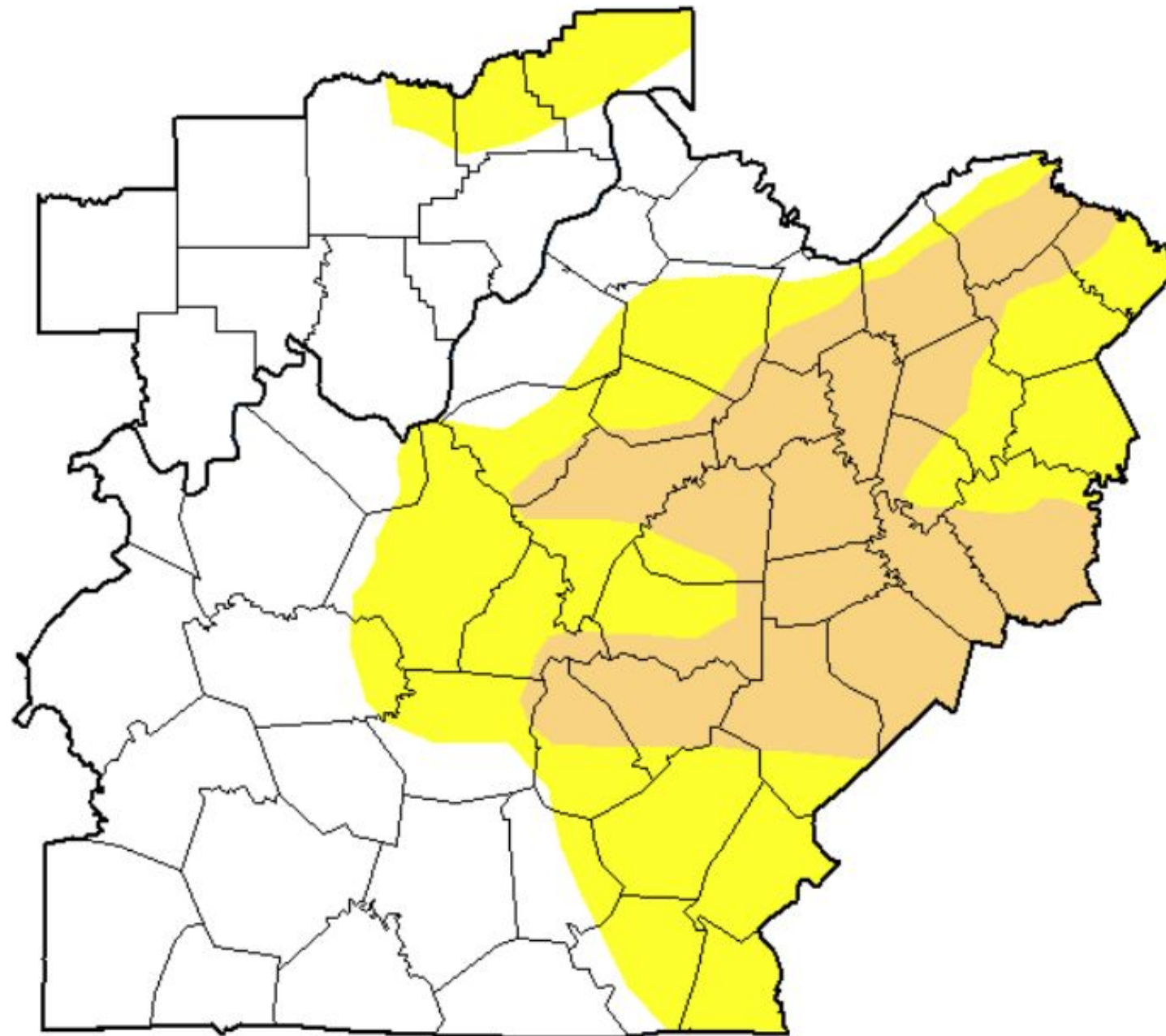


U.S. Drought Monitor Maps

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Peak of summertime dryness

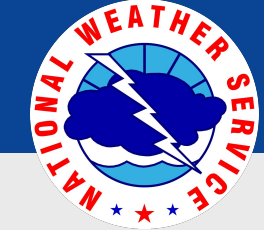
July 16, 2024



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

Source: [USDM](#)





CPC Seasonal Outlook - Autumn 2024

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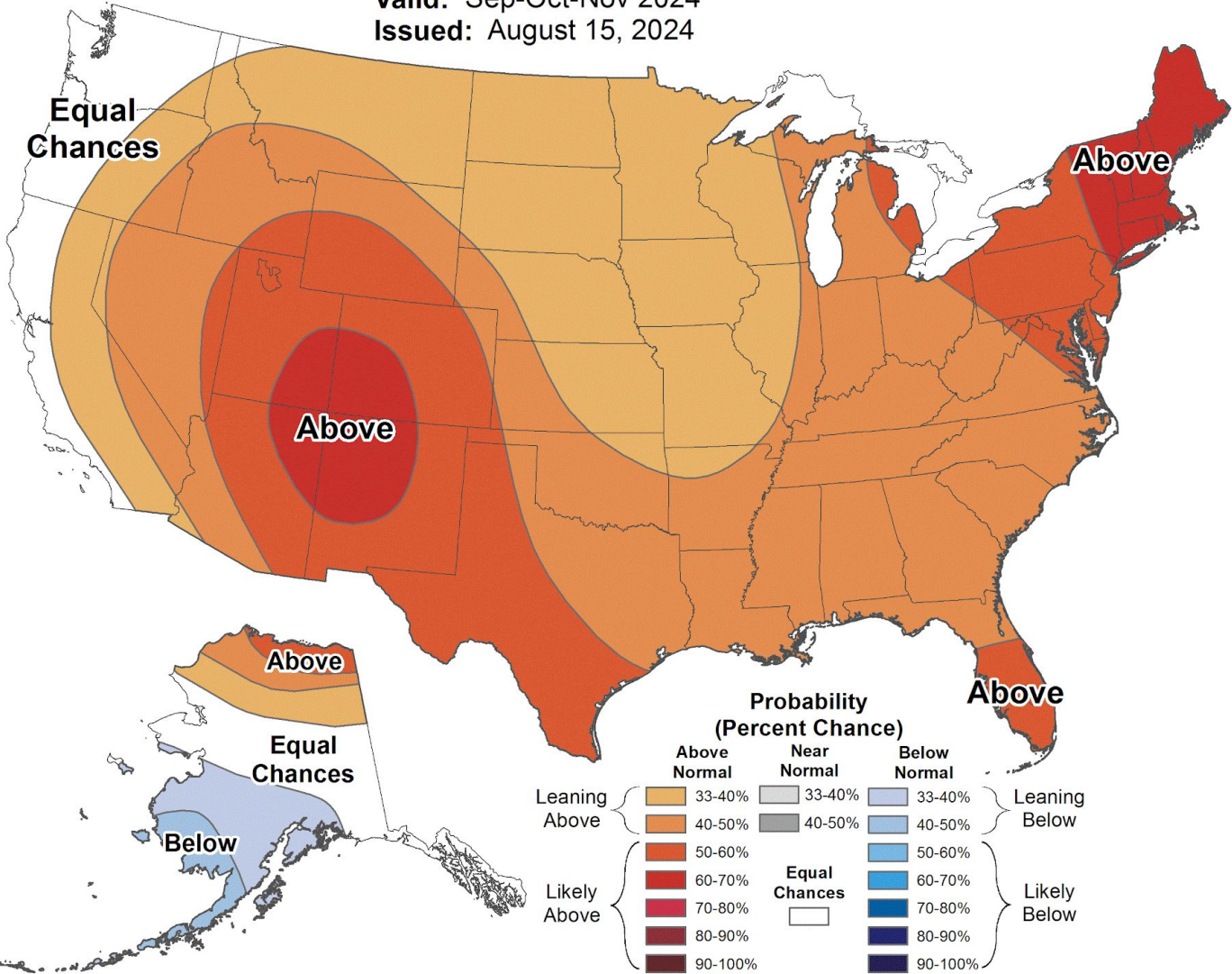
The odds favor warmer than normal temperatures. There is no clear signal for precipitation.



Seasonal Temperature Outlook



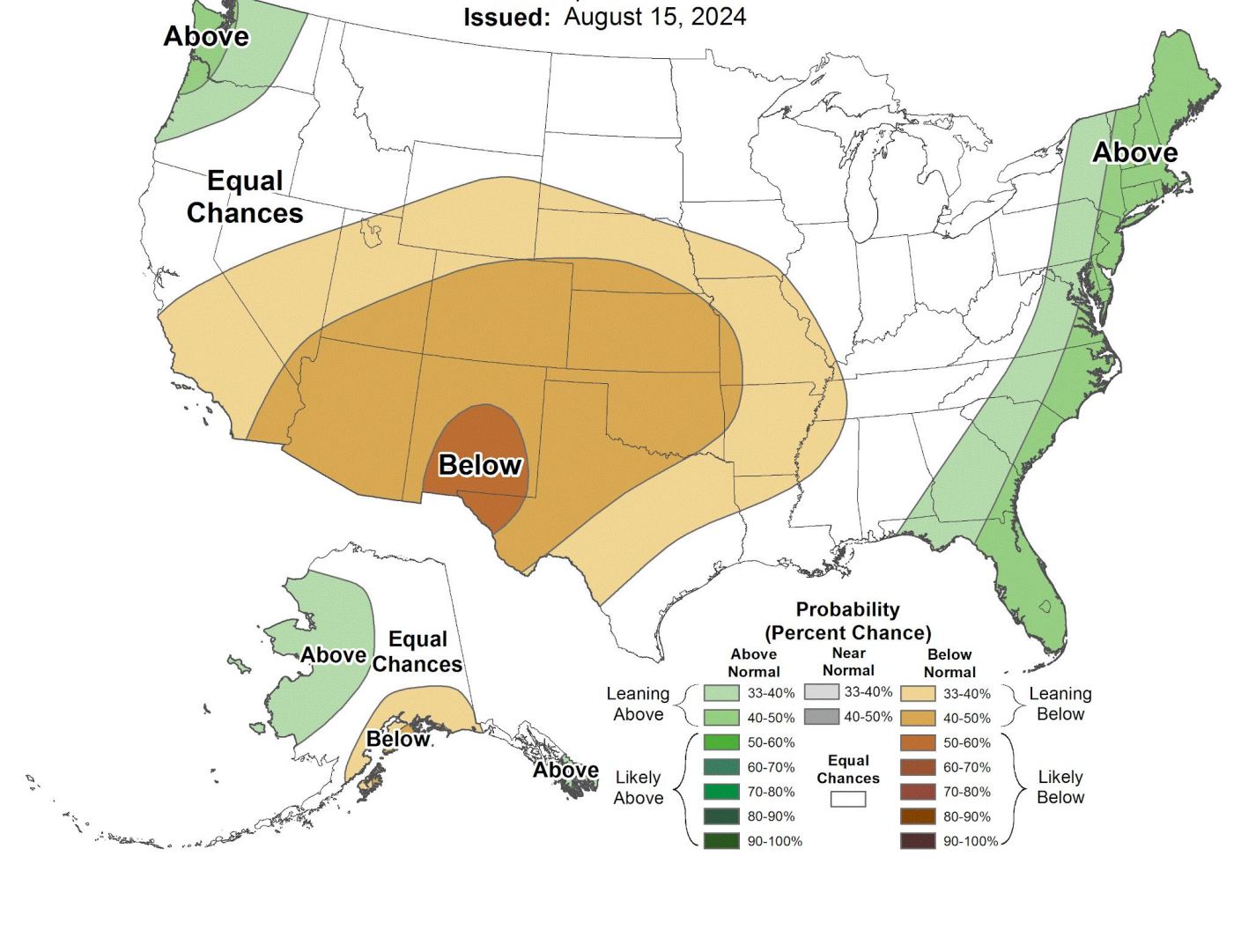
Valid: Sep-Oct-Nov 2024
Issued: August 15, 2024



Seasonal Precipitation Outlook



Valid: Sep-Oct-Nov 2024
Issued: August 15, 2024



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

