



# MA Drought Management Task Force NWS Update

Tuesday, August 6<sup>th</sup> 2024

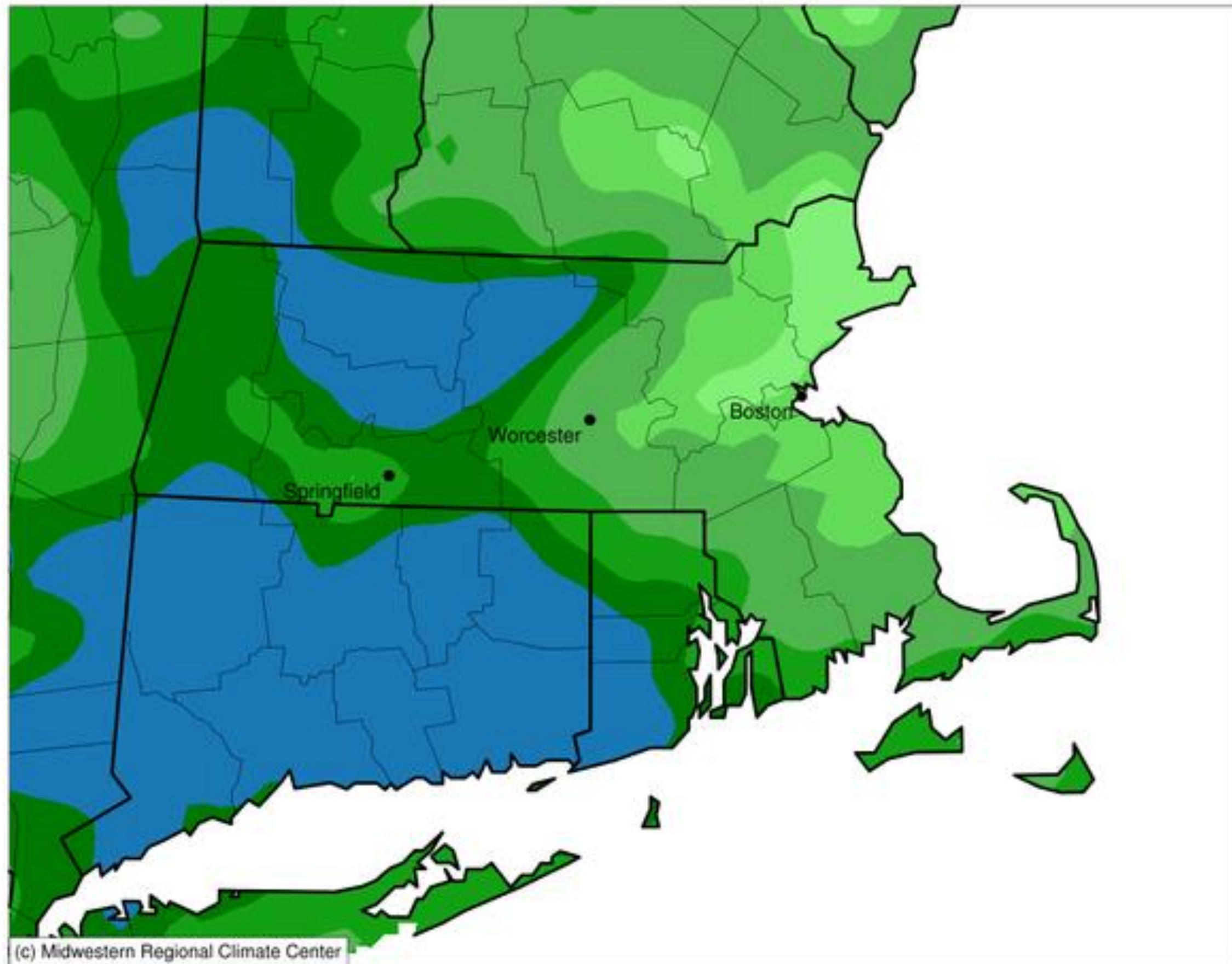
*Prepared by: NWS Boston/Norton, MA*

# July Precipitation

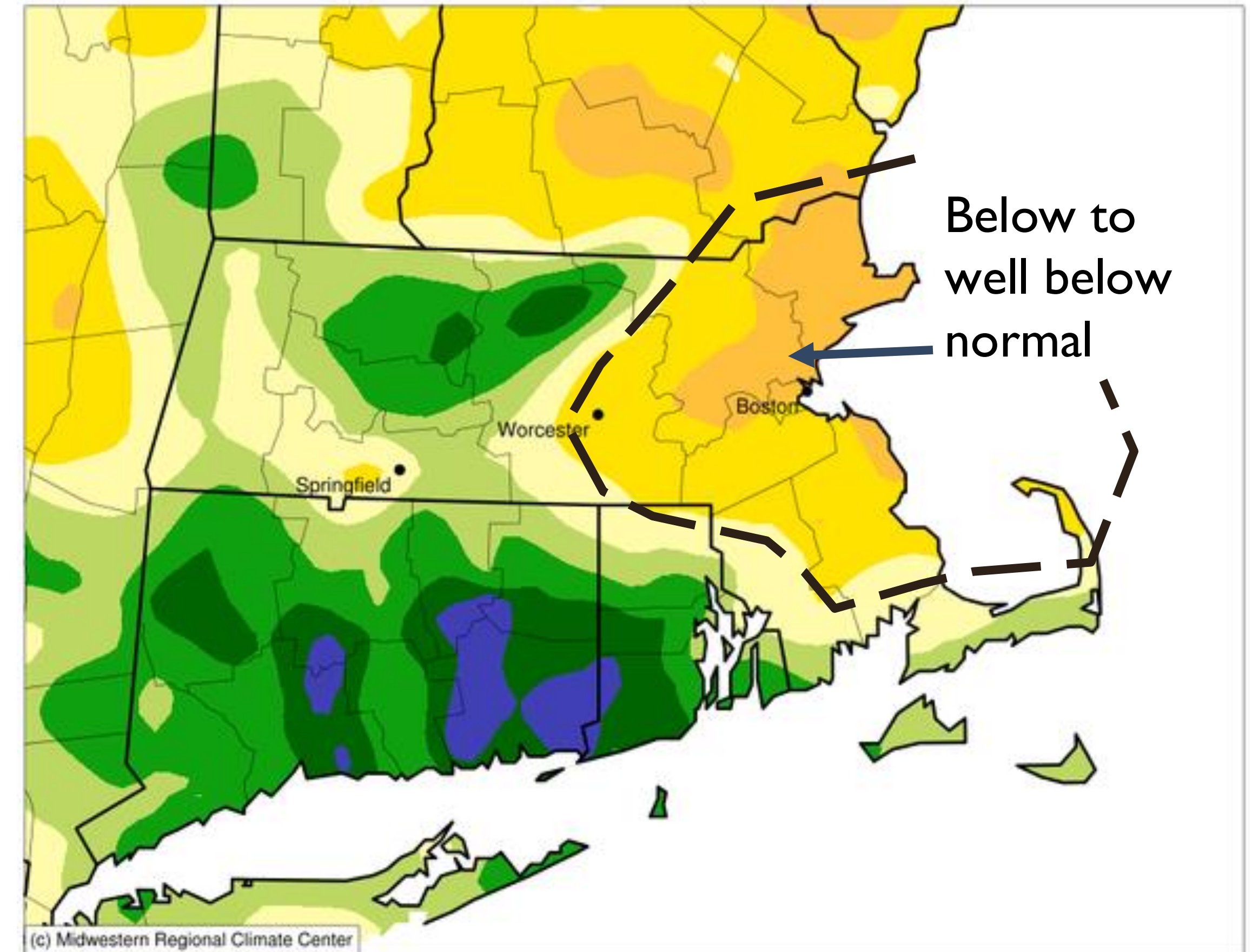


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Accumulated Precipitation (in)  
July 01, 2024 to July 31, 2024



Accumulated Precipitation (in): Percent of 1991-2020 Normals  
July 01, 2024 to July 31, 2024



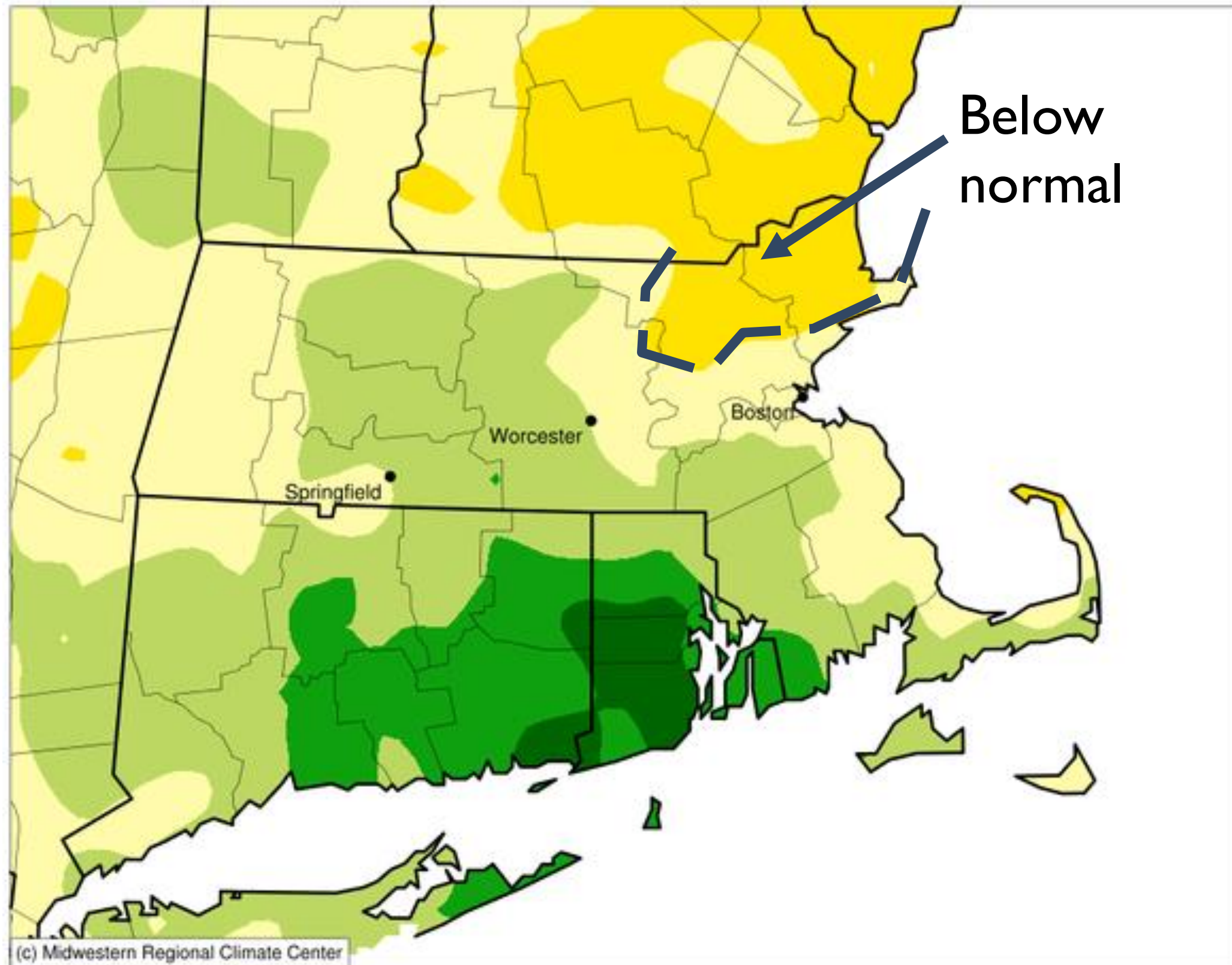
# 3 and 6 Month Percent of Normal



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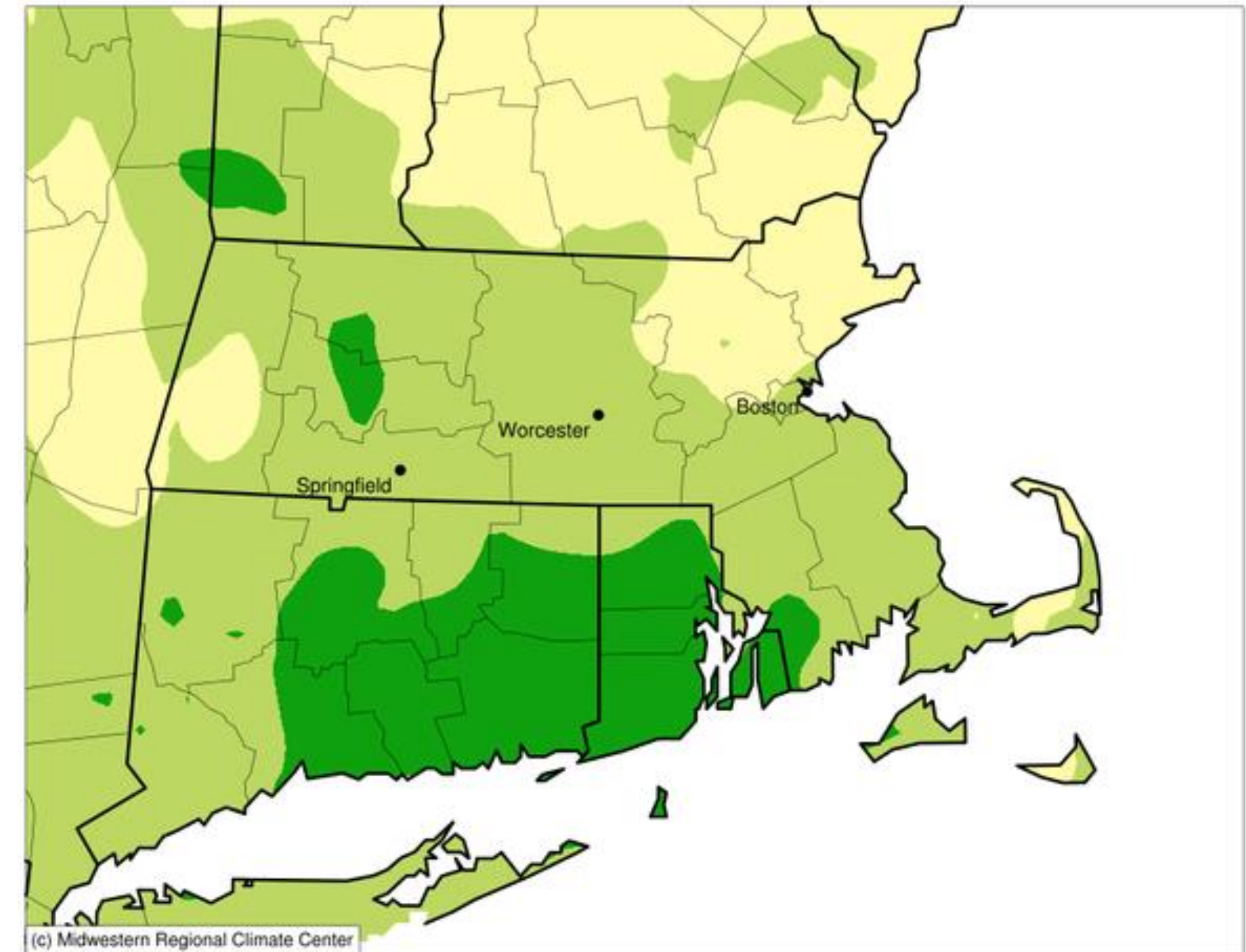
## Last 3 Months

Accumulated Precipitation (in): Percent of 1991-2020 Normals  
May 01, 2024 to July 31, 2024



## Last 6 Months

Accumulated Precipitation (in): Percent of 1991-2020 Normals  
February 01, 2024 to July 31, 2024



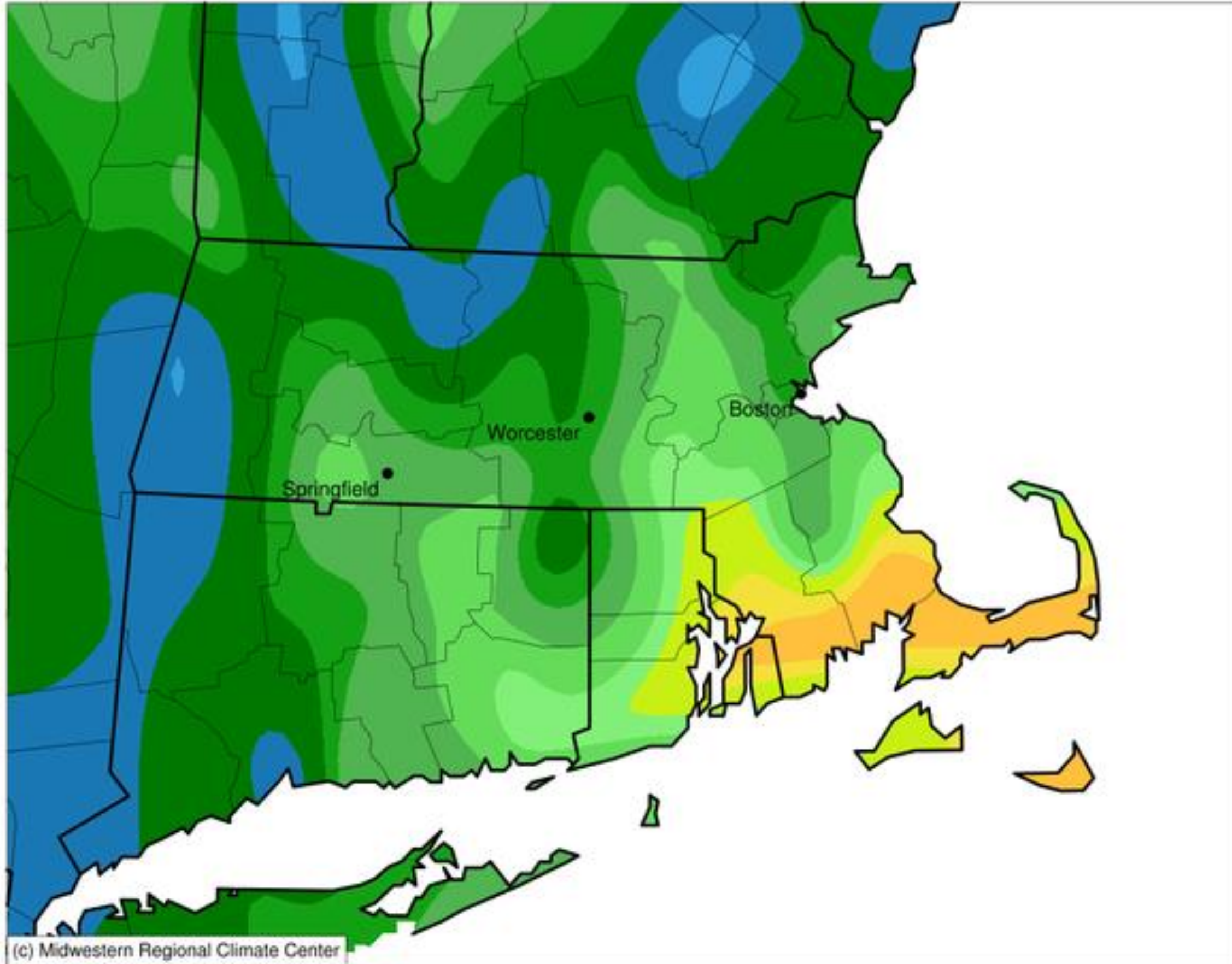
# August Precipitation So Far



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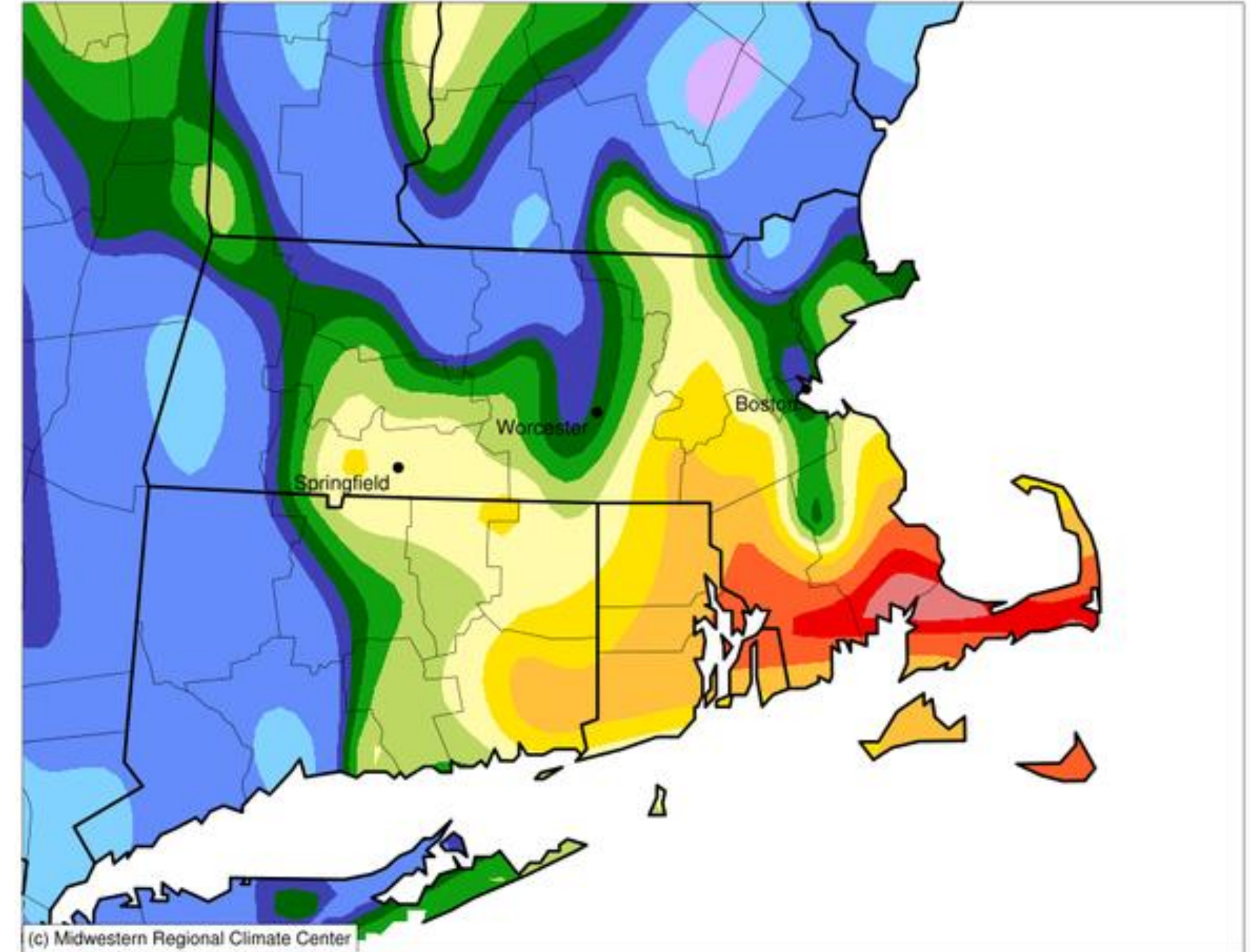
### Accumulated Precipitation (in)

August 01, 2024 to August 04, 2024



### Accumulated Precipitation (in): Percent of 1991-2020 Normals

August 01, 2024 to August 04, 2024



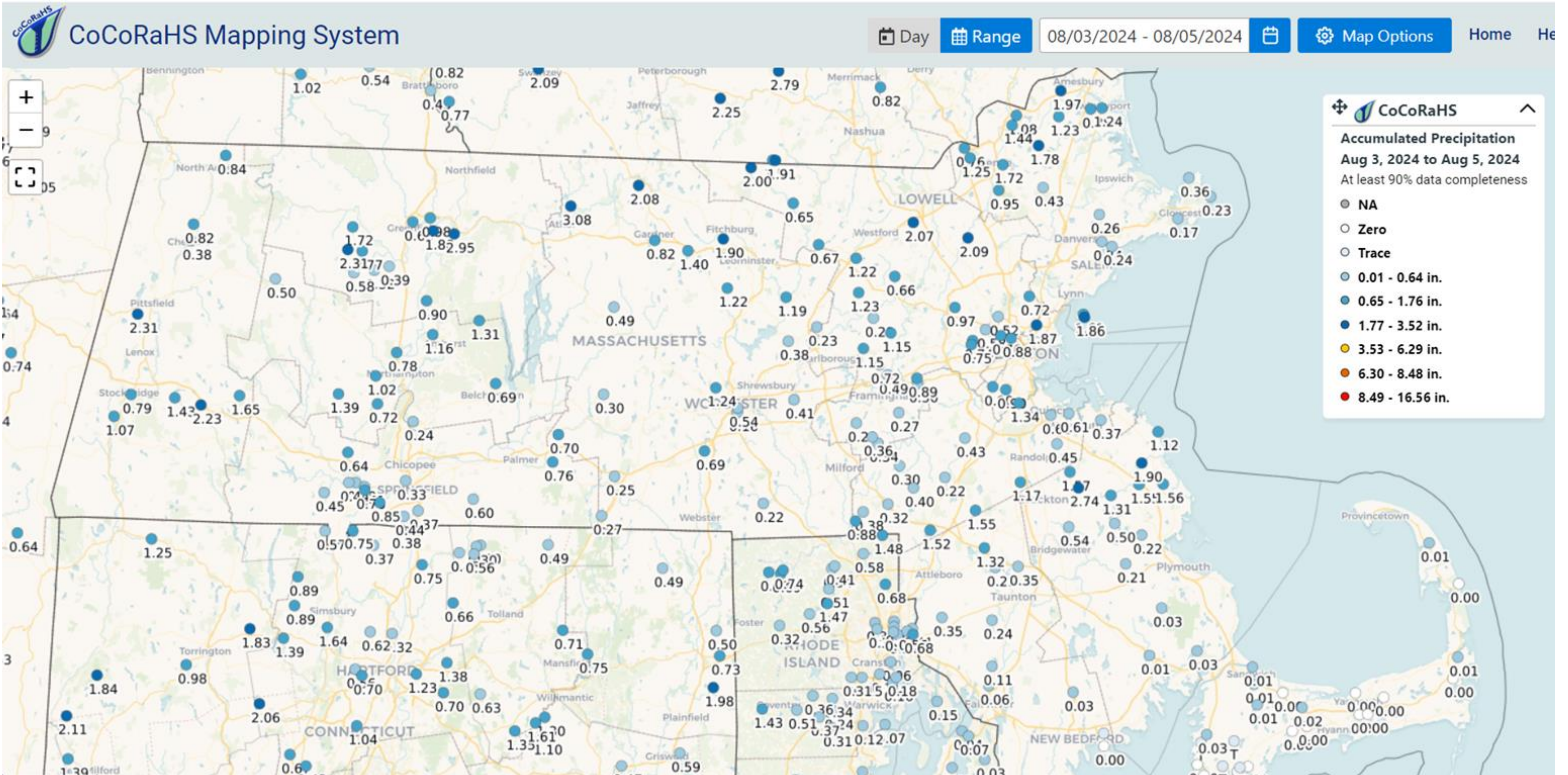
0.01 0.05 0.1 0.2 0.3 0.5 0.75 1 1.5 2 2.5 3 4

2 5 10 25 50 75 100 125 150 175 200 300 400

# Weekend Rainfall Totals



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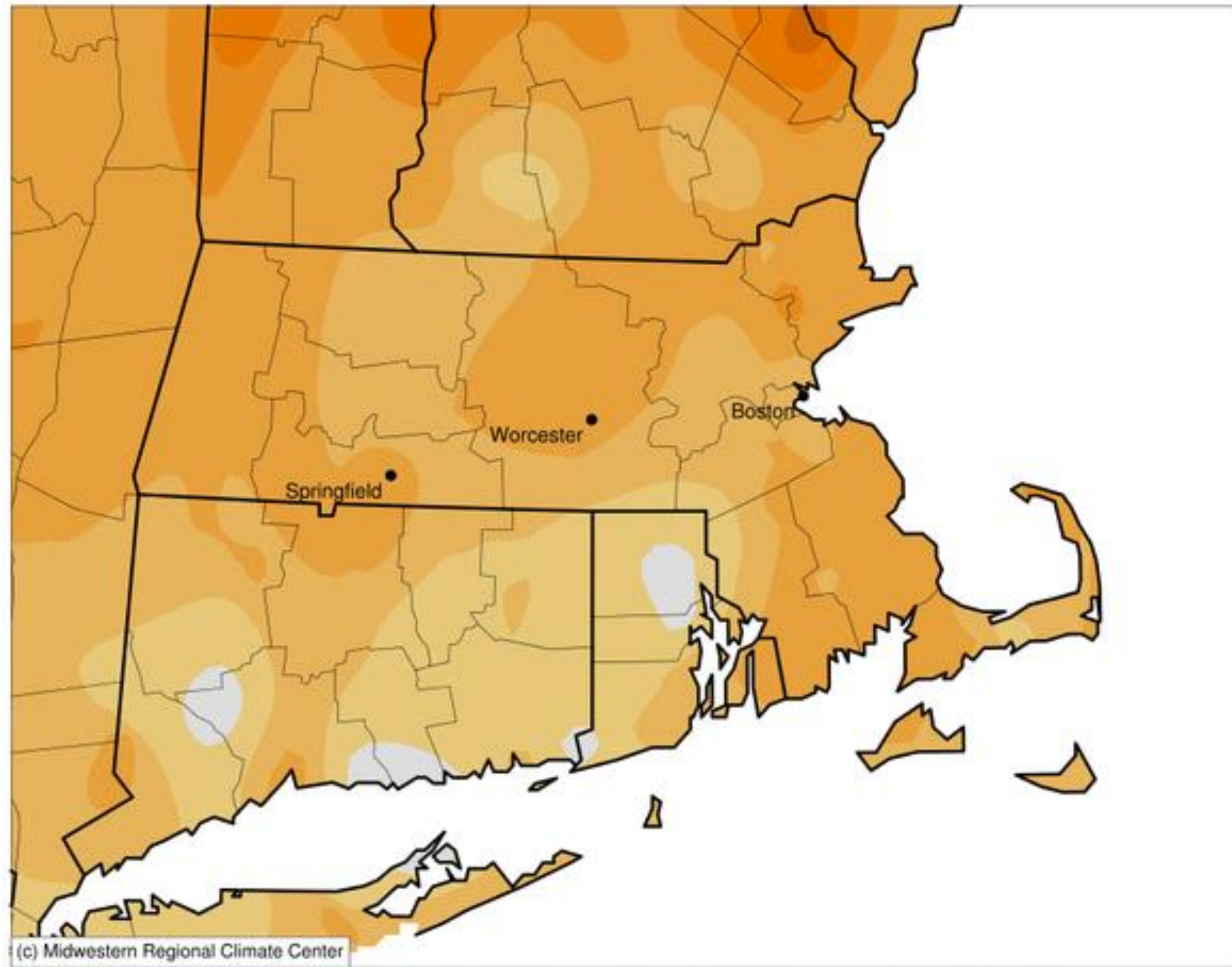


# Temperature Departures

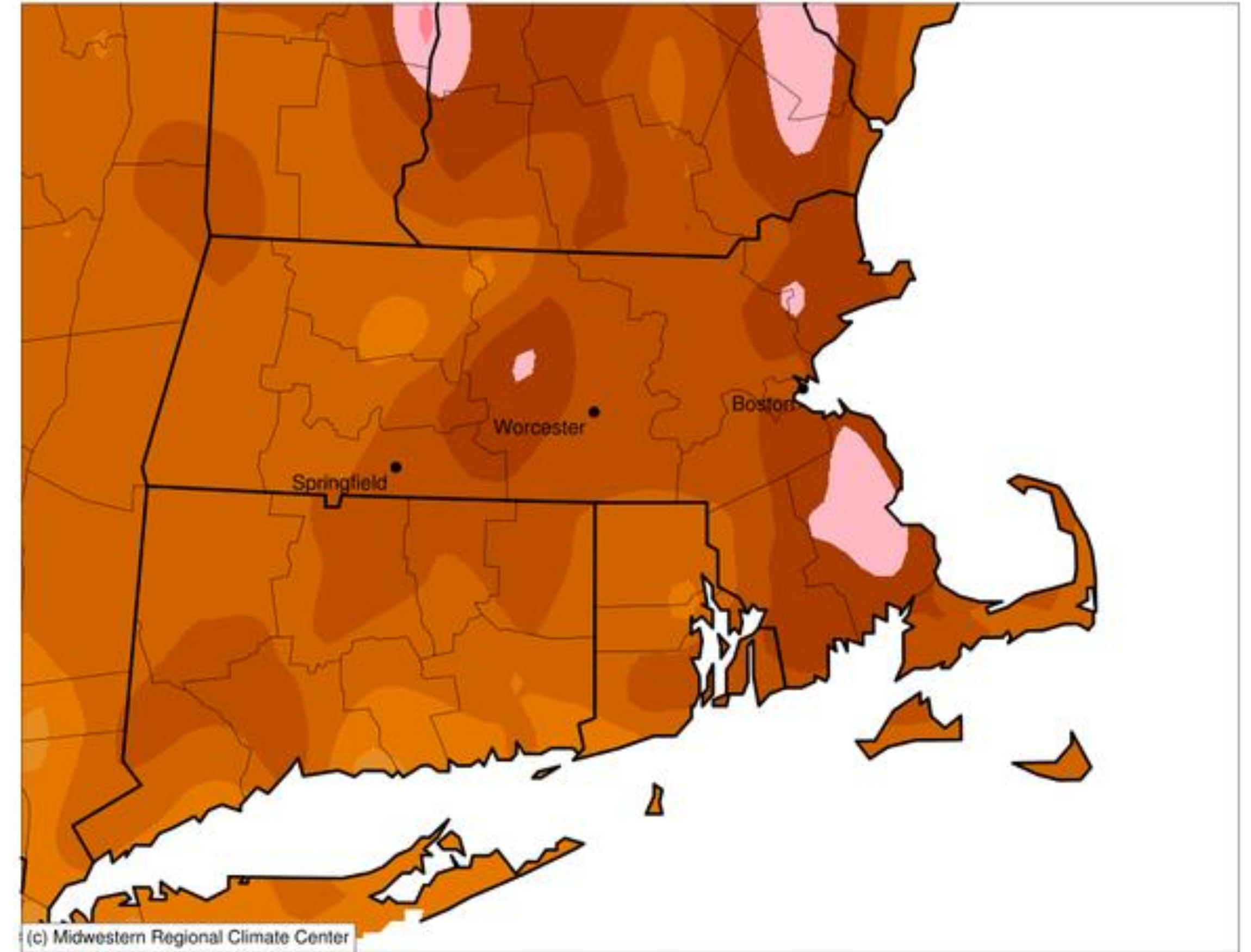


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Average Temperature (°F): Departure from 1991-2020 Normals  
July 01, 2024 to July 31, 2024



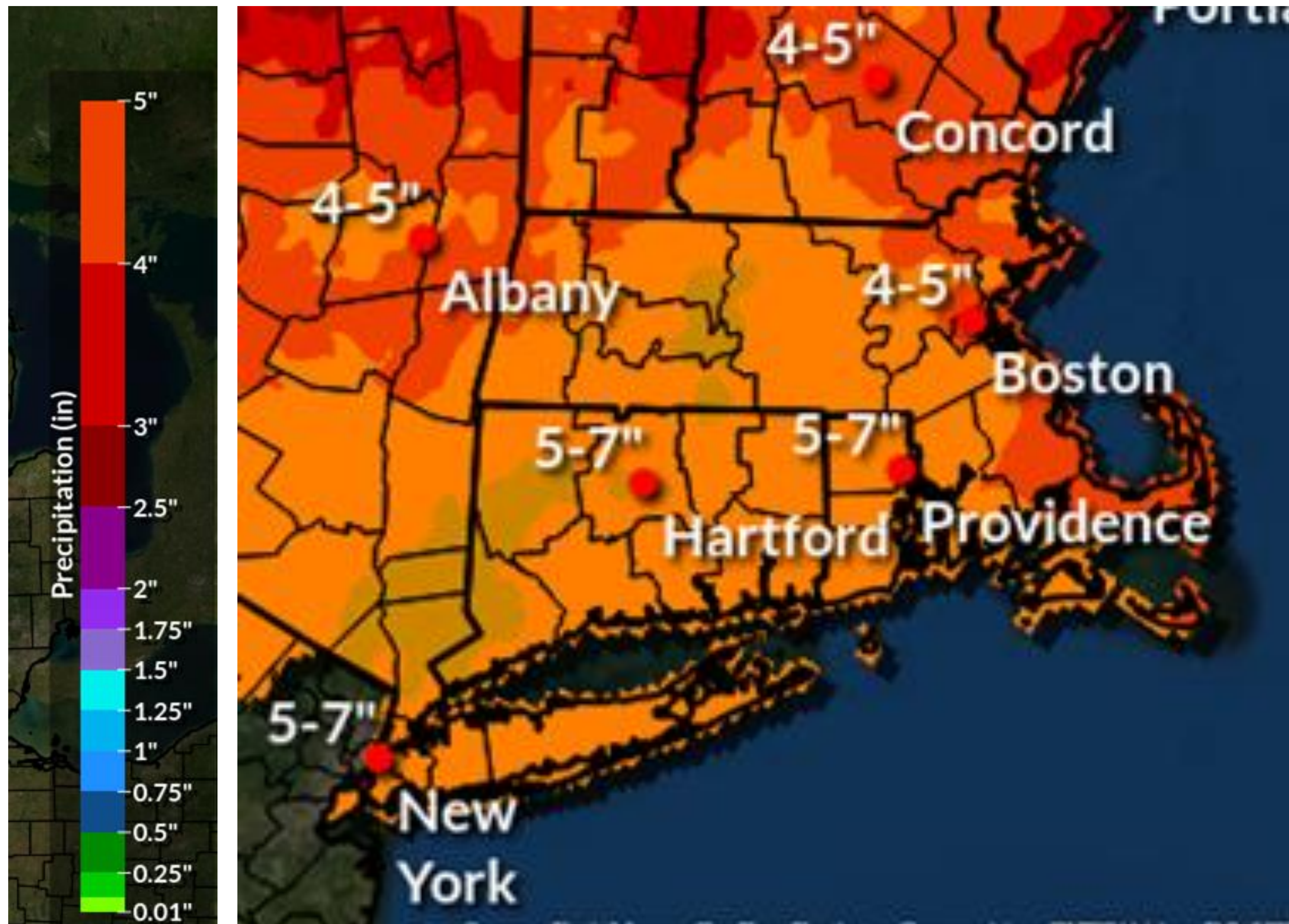
Average Temperature (°F): Departure from 1991-2020 Normals  
August 01, 2024 to August 04, 2024



# 7 Day Precipitation Forecast



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## Highlights:

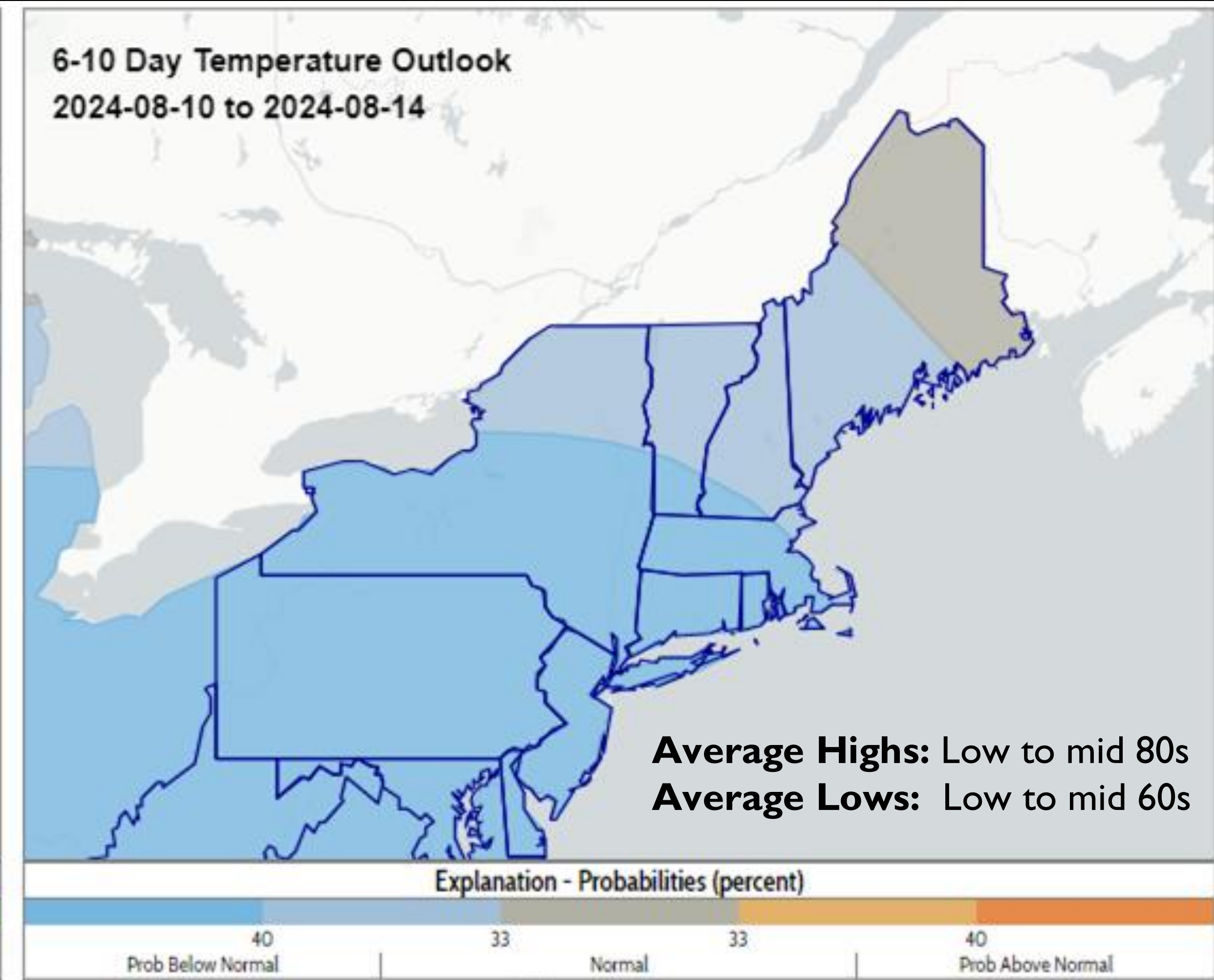
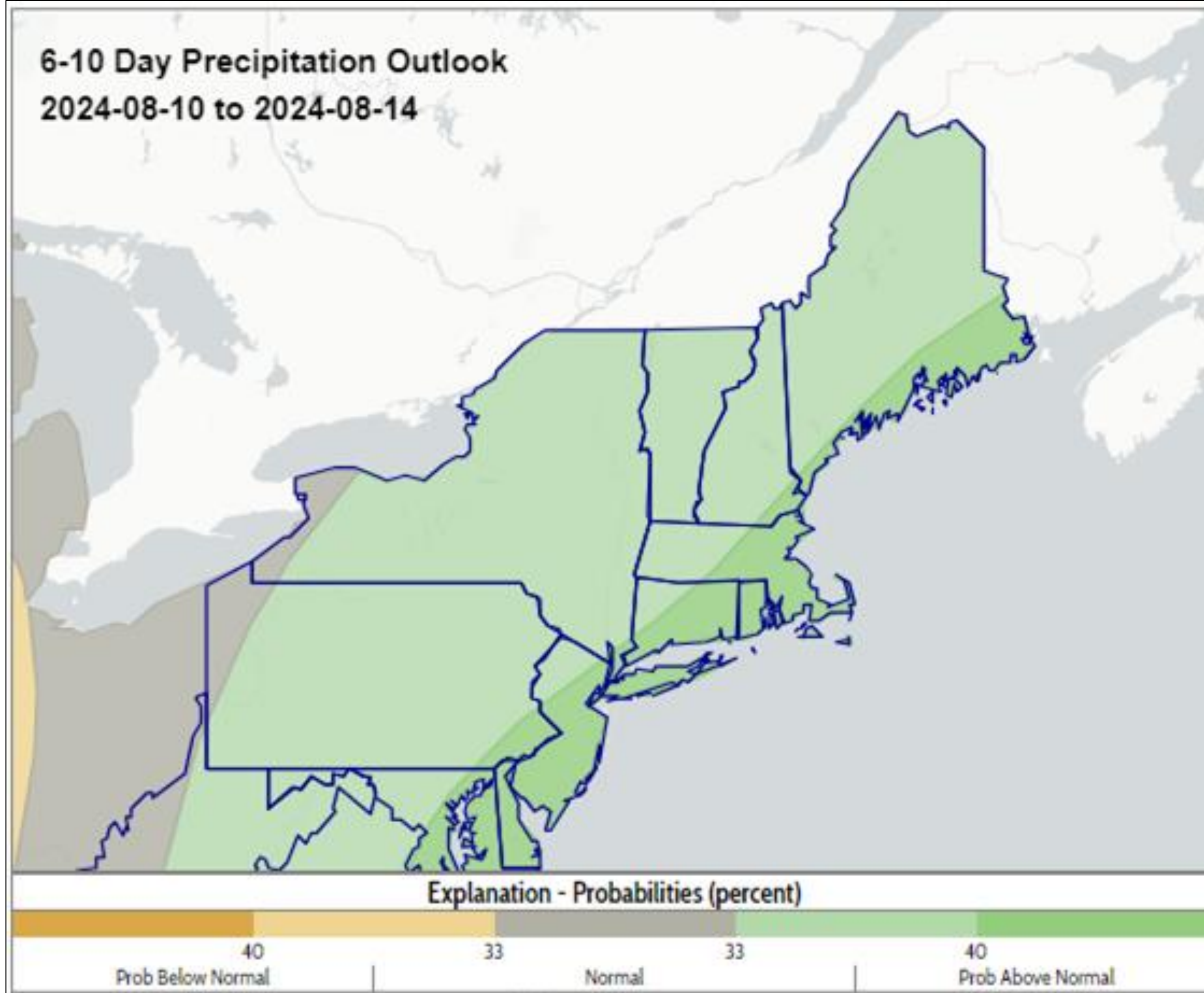
- **Potential for two rounds of heavy rainfall this week with possible flooding:**
- Thunderstorms Wednesday with 1-2" of rain on average
- Debby's remnants could bring widespread heavy rainfall Friday into Sunday with another 2-3"+

# Outlook: Sat Aug 10 - Wed Aug 14



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**Odds favor above average rainfall and below average temperatures**



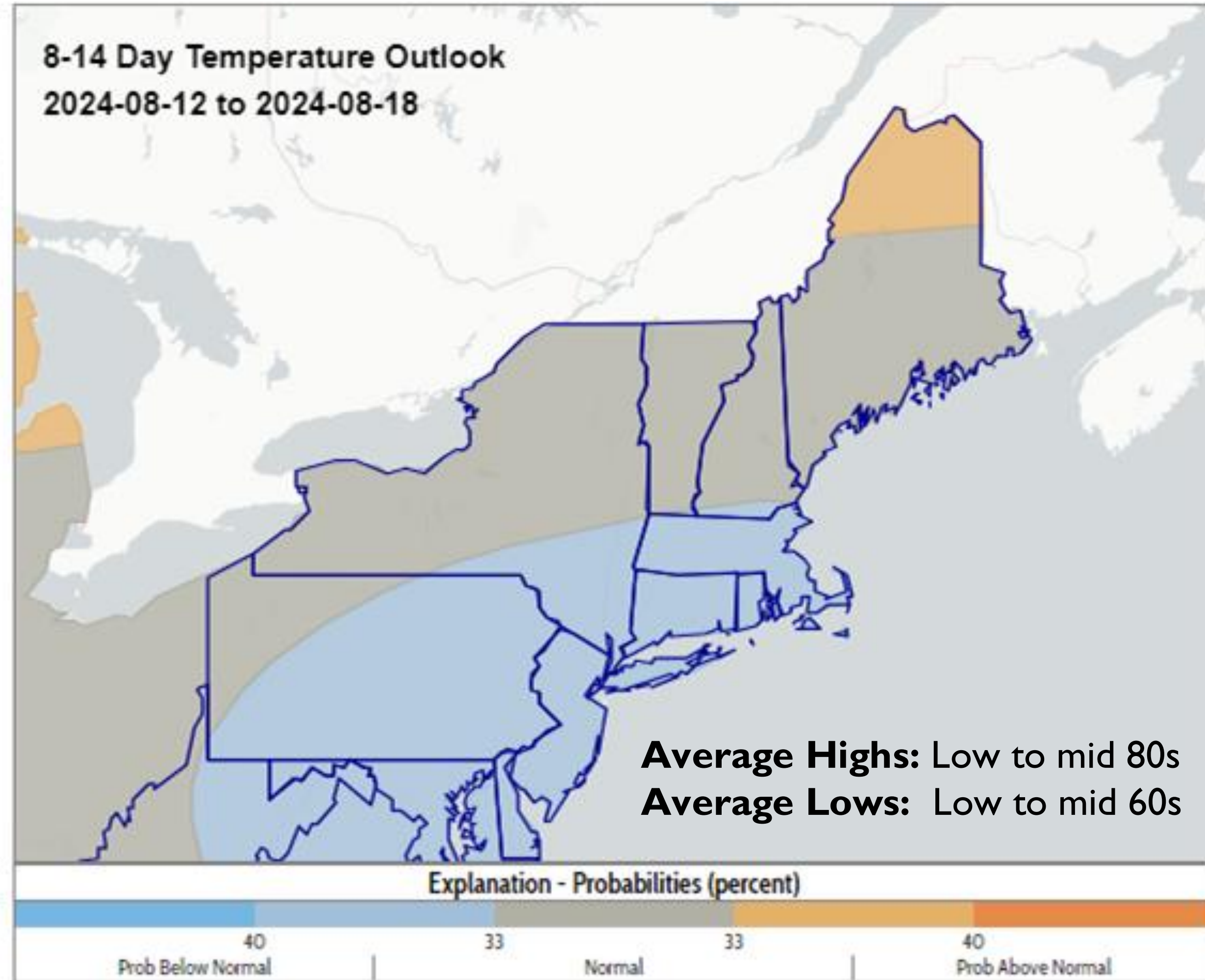
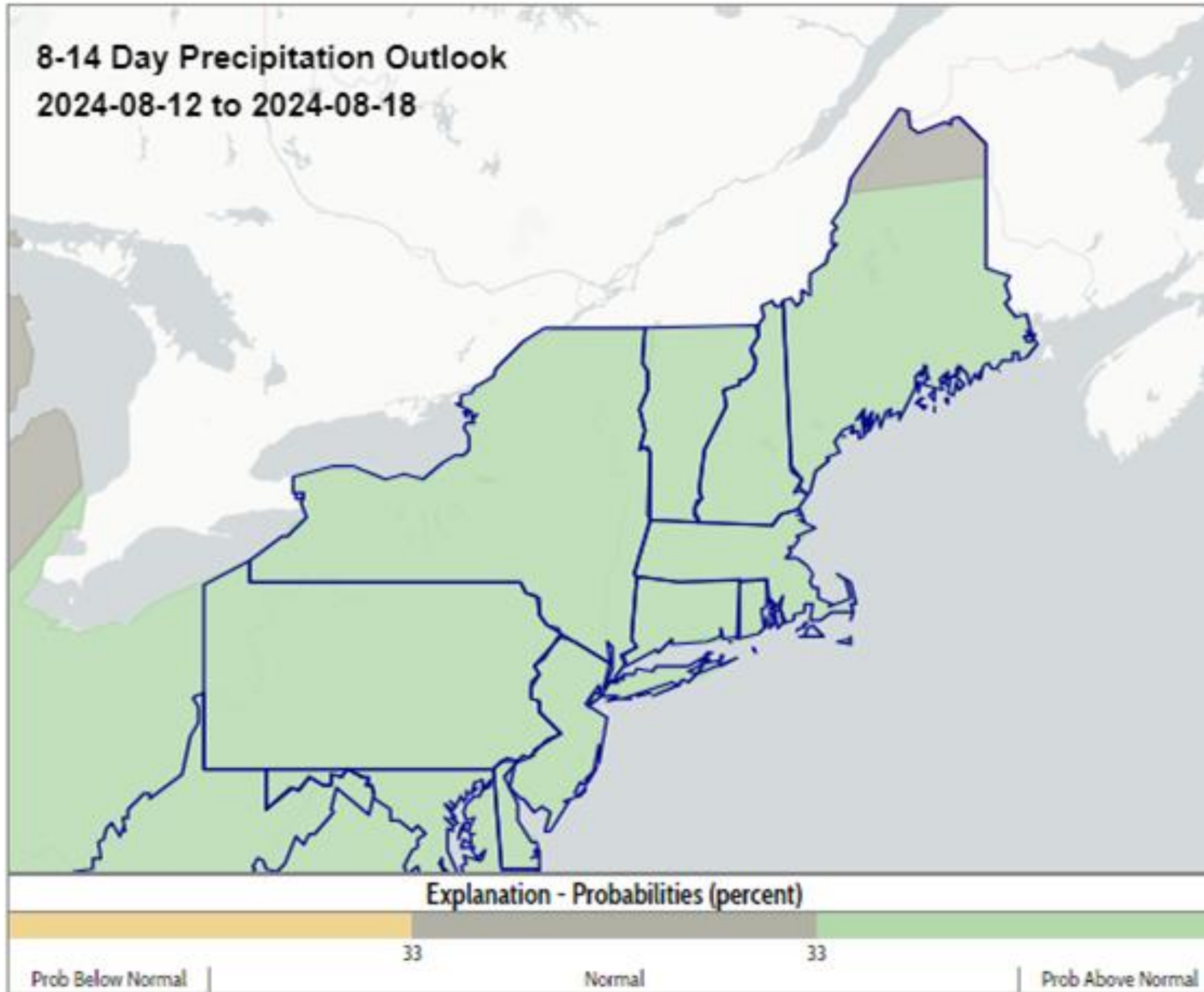


# Outlook: Mon August 12 - Sun August 18



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**Odds somewhat favor above average rainfall and below average temperatures**



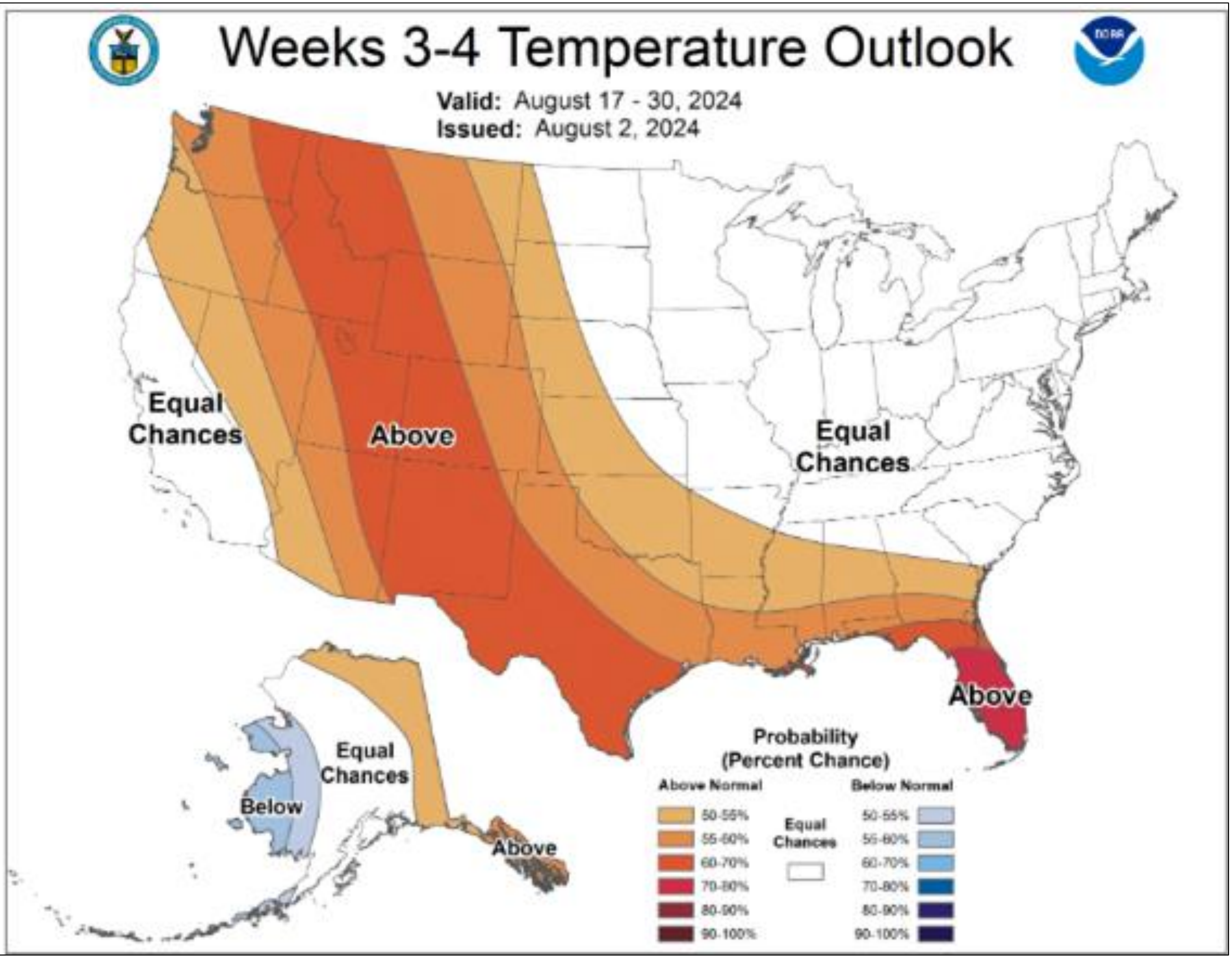
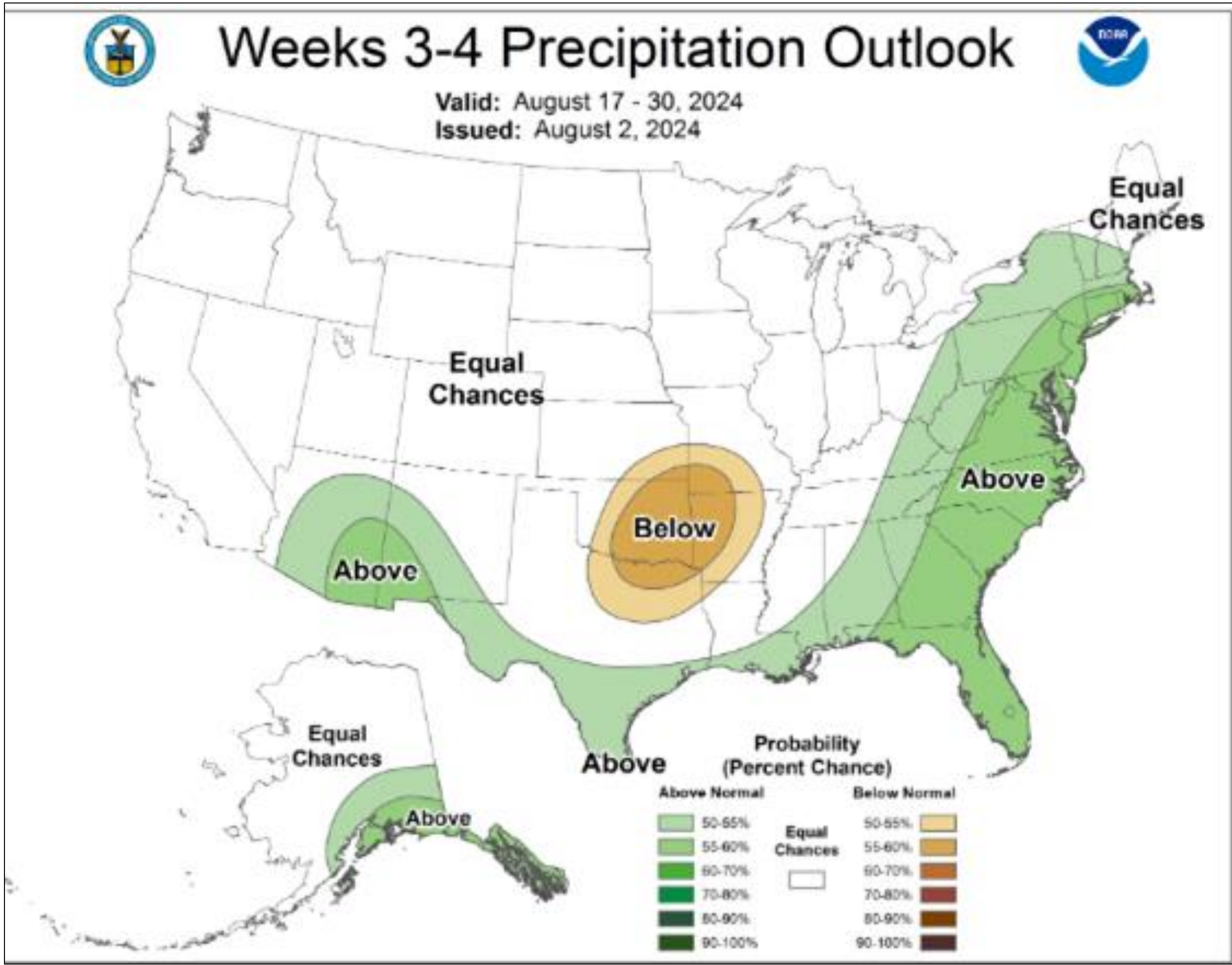
# Outlook: Sat July 20 - Wed Aug 7



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Odds slightly favor above average precipitation

No clear signal for above/below average temperatures

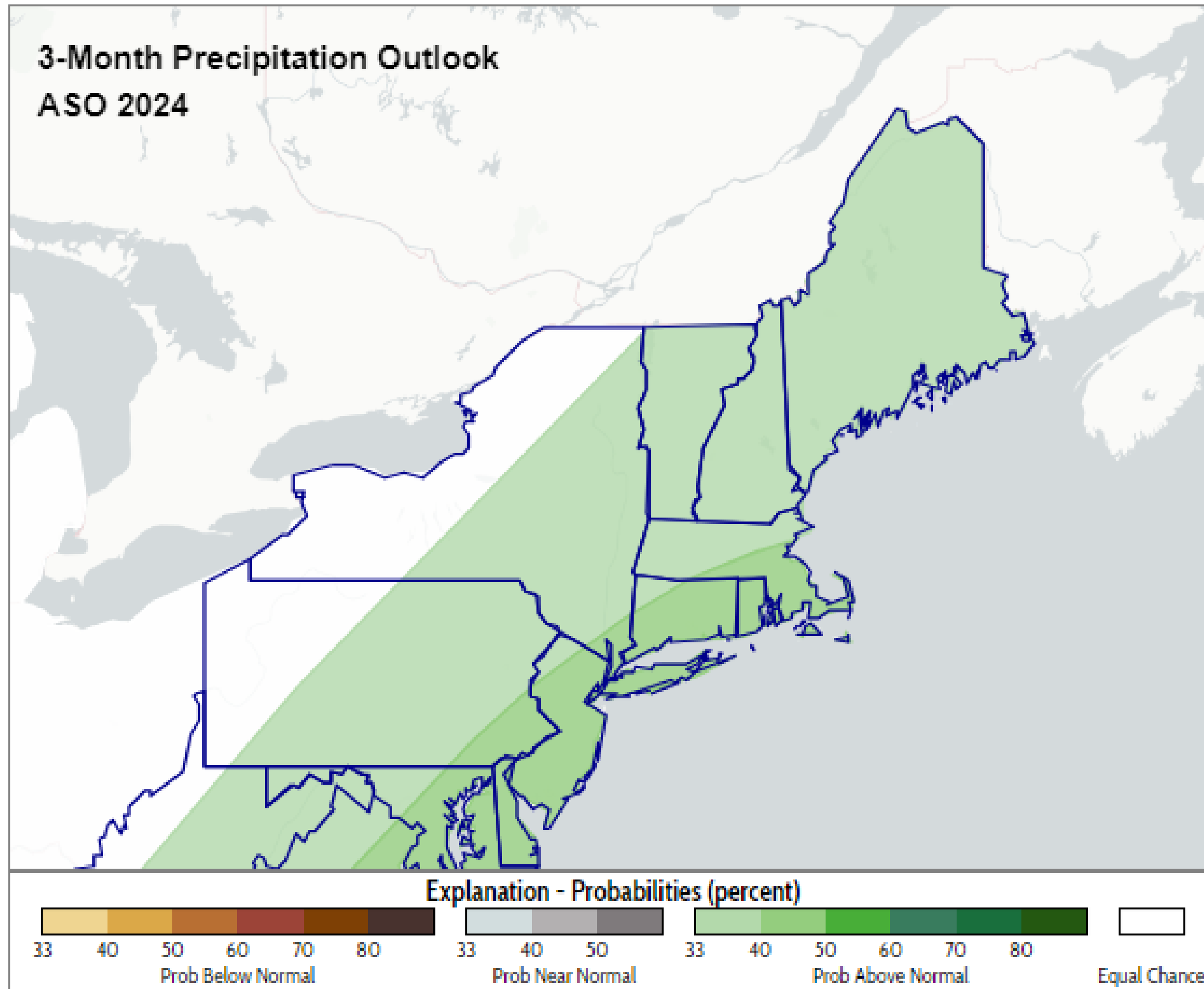


# Outlook for August, September, October

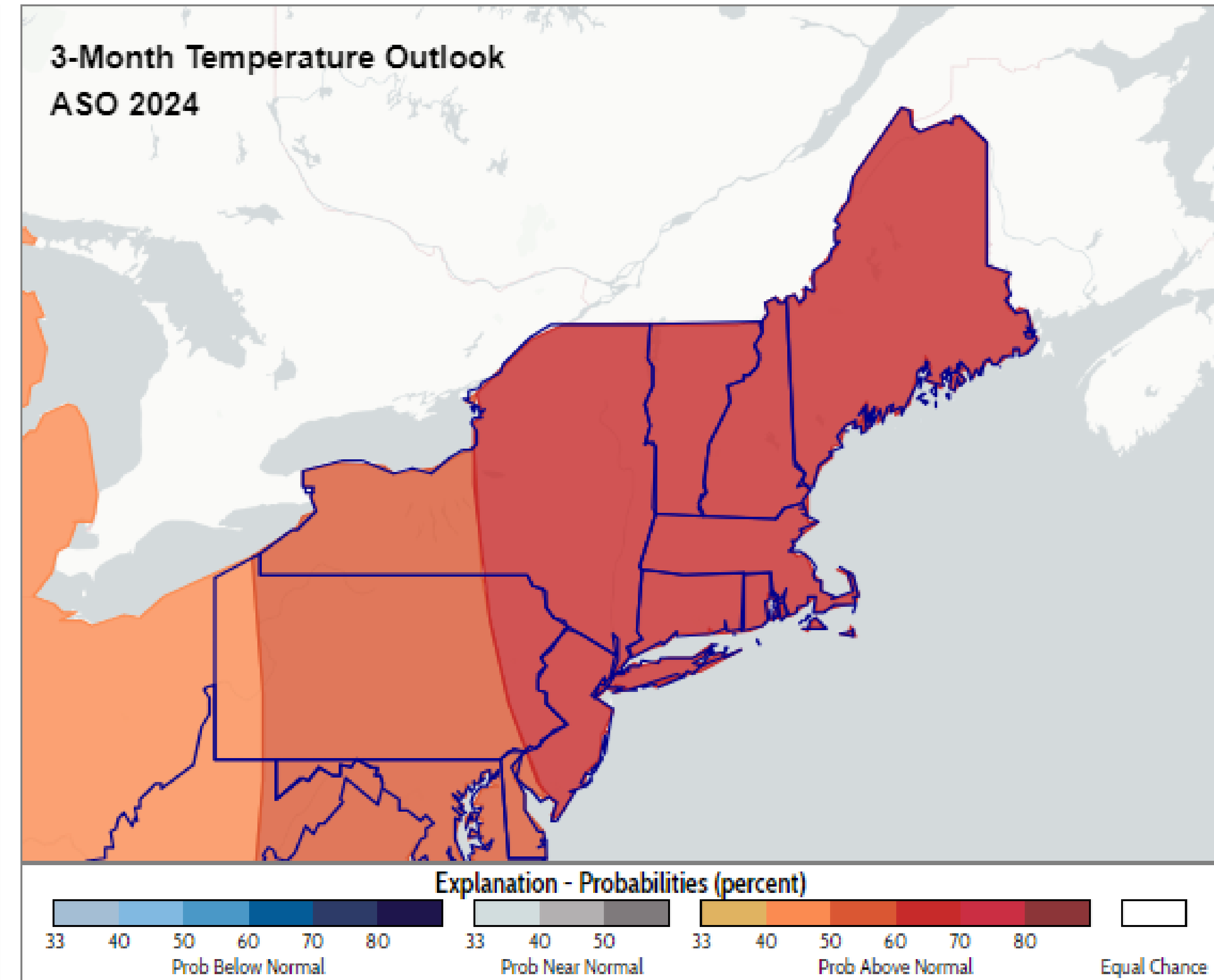


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## Odds leaning toward above average precipitation



## Higher chance of above average temperatures





- July rainfall was below average in much of eastern MA
  - Near to above normal elsewhere including the Islands and most of Cape Cod
- Three-month departures have shown a decline in northeast MA and six-month departures are now on the lower end of the normal range in that region
- For the first few days of August, rainfall has been minimal on the South Coast, Cape Cod, and the Islands but near to above normal elsewhere
- Two rounds of heavy rainfall possible this week
  - Debby's remnants could bring widespread 2-3"+ Friday-Sunday
- Above normal temperatures should continue through the summer and fall
  - A period of below average temperatures is possible this month
- Odds favor above normal rainfall through the rest of summer and fall
  - Watching the tropics for additional activity