



Weather Briefing

June 27, 2024
9:43 AM

For Central South Carolina and the Central Savannah River Area of Georgia

Routine Decision Support Briefing

→ As of Thu, Jun 27, 2024 9:43 AM

NEW Highlights

- Hot temperatures and heat index readings to remain 100-105 through Saturday.
- Heat index around 110 expected on Sunday
- Mainly afternoon and evening showers and thunderstorms possible each day
- Extended dry conditions are leading to some concerns fire weather concerns





Excessive Heat Risk Today

June 27, 2024
9:43 AM

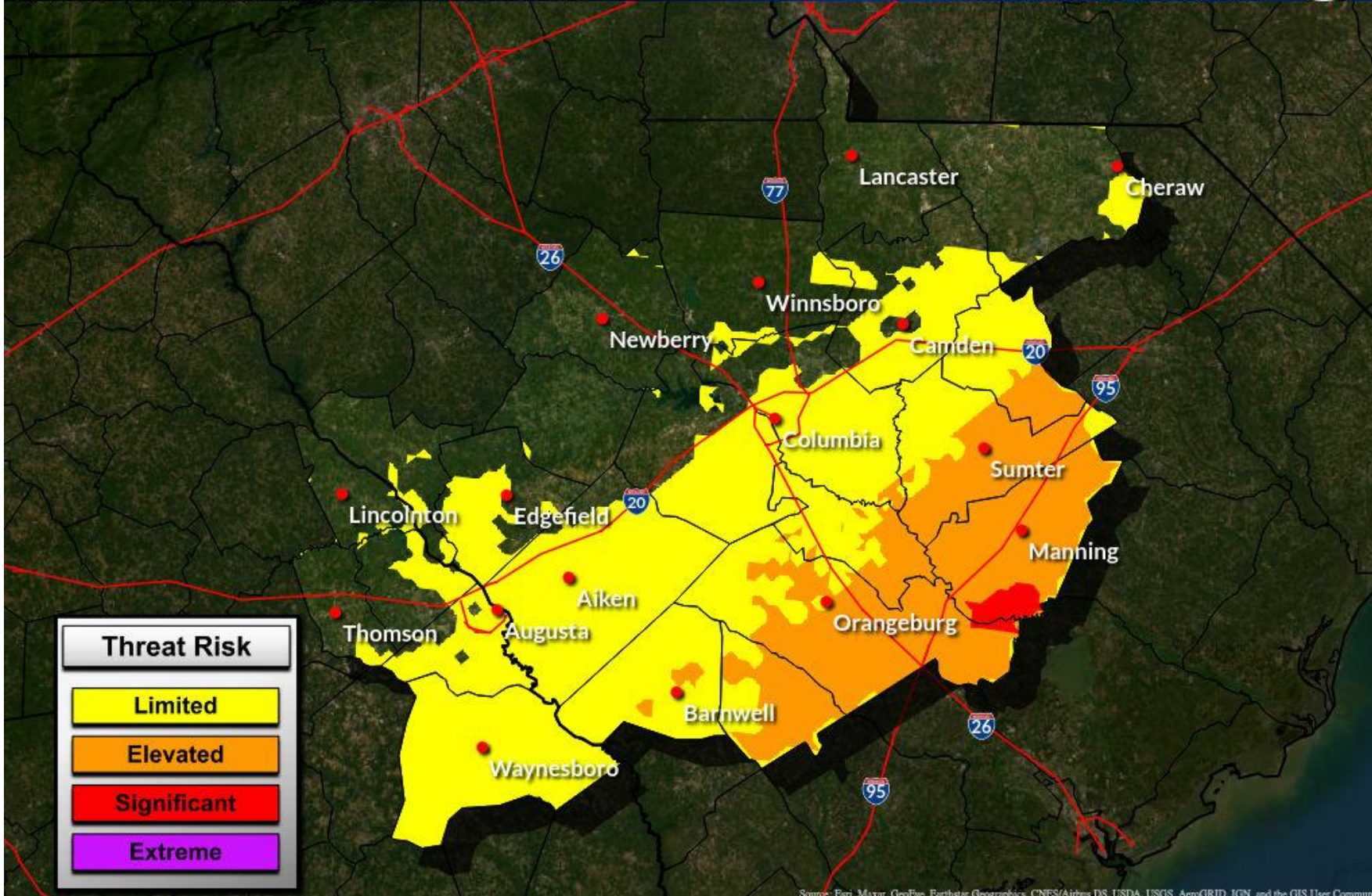
Excessive Heat Risk for Thu/Thu Night

Weather Forecast Office
Columbia, SC



Valid 9 AM Thu Jun 27, 2024 to 8 AM Fri Jun 28, 2024

Issued Jun 27, 2024 9:10 AM EDT



High temperatures will be a few degrees cooler today however readings will still be in the mid to upper 90s. With additional moisture over the area heat index values will be between 100 and 105 with the highest readings along the I-95 corridor.

NWSColumbia

weather.gov/cae



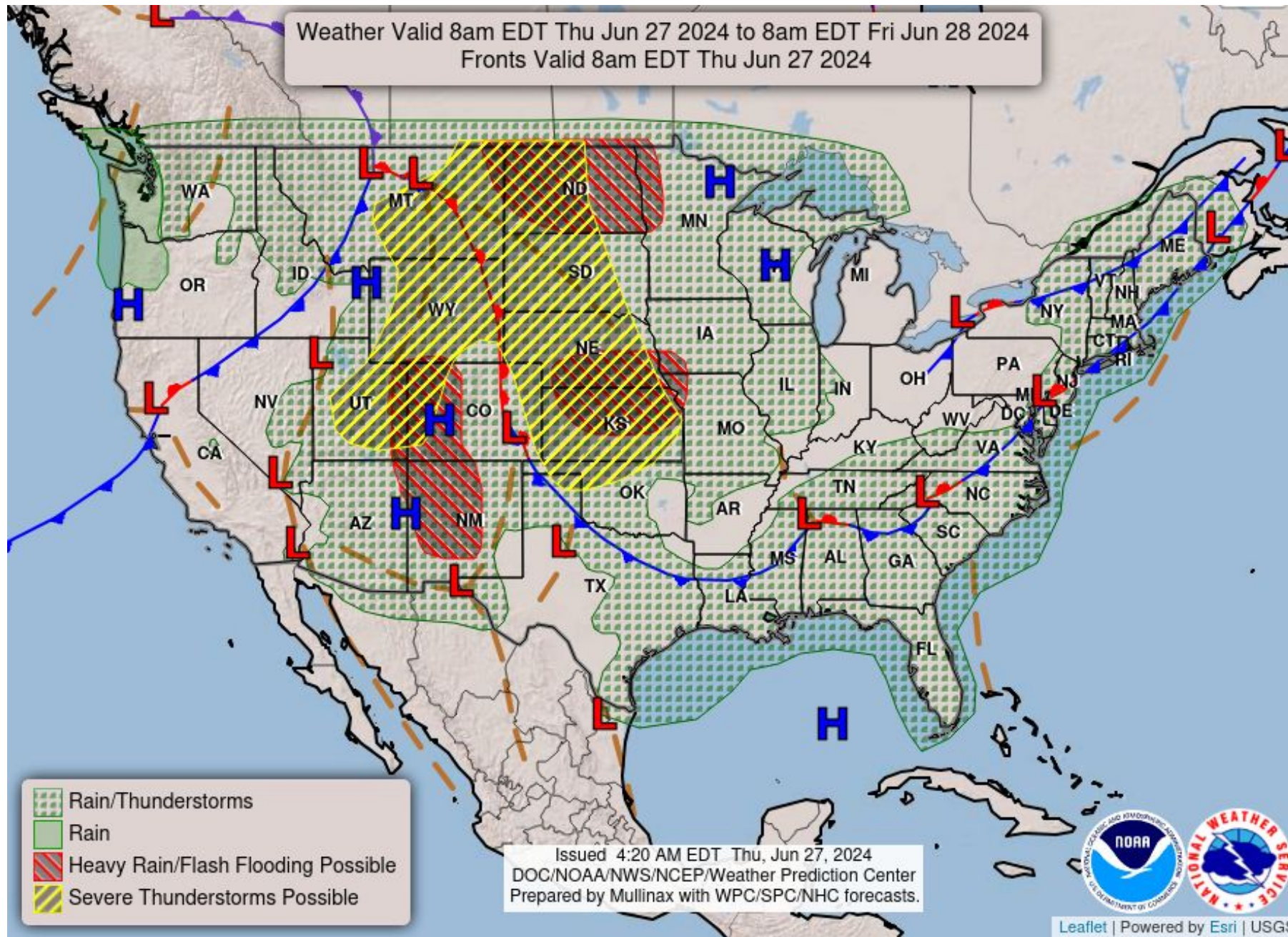
National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Columbia, SC



National Forecast - Today

June 27, 2024
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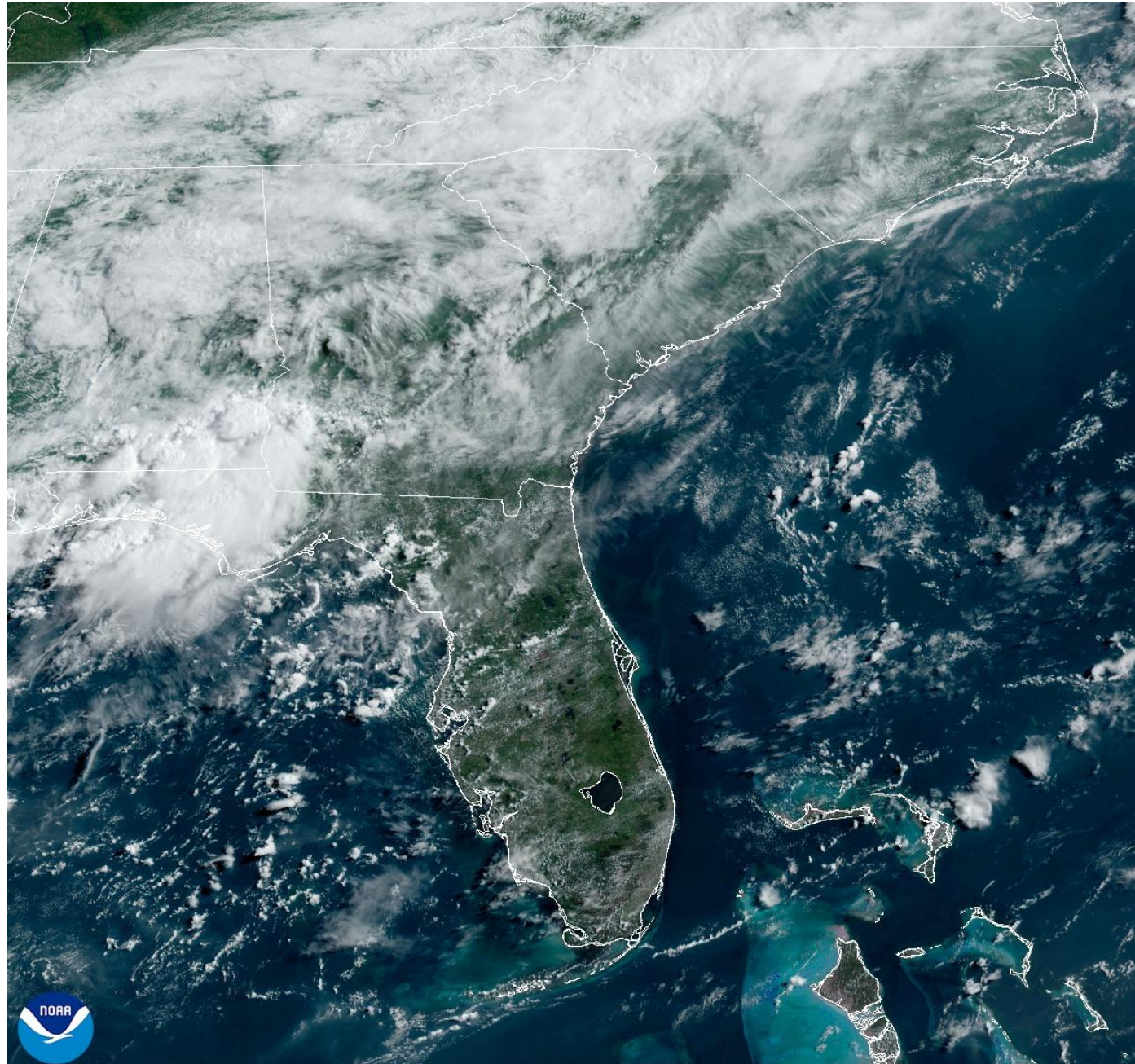


A weak frontal boundary will be moving into the region today and combine with moisture to produce afternoon and evening showers and thunderstorms.



Satellite - Southeast

June 27, 2024
9:43 AM



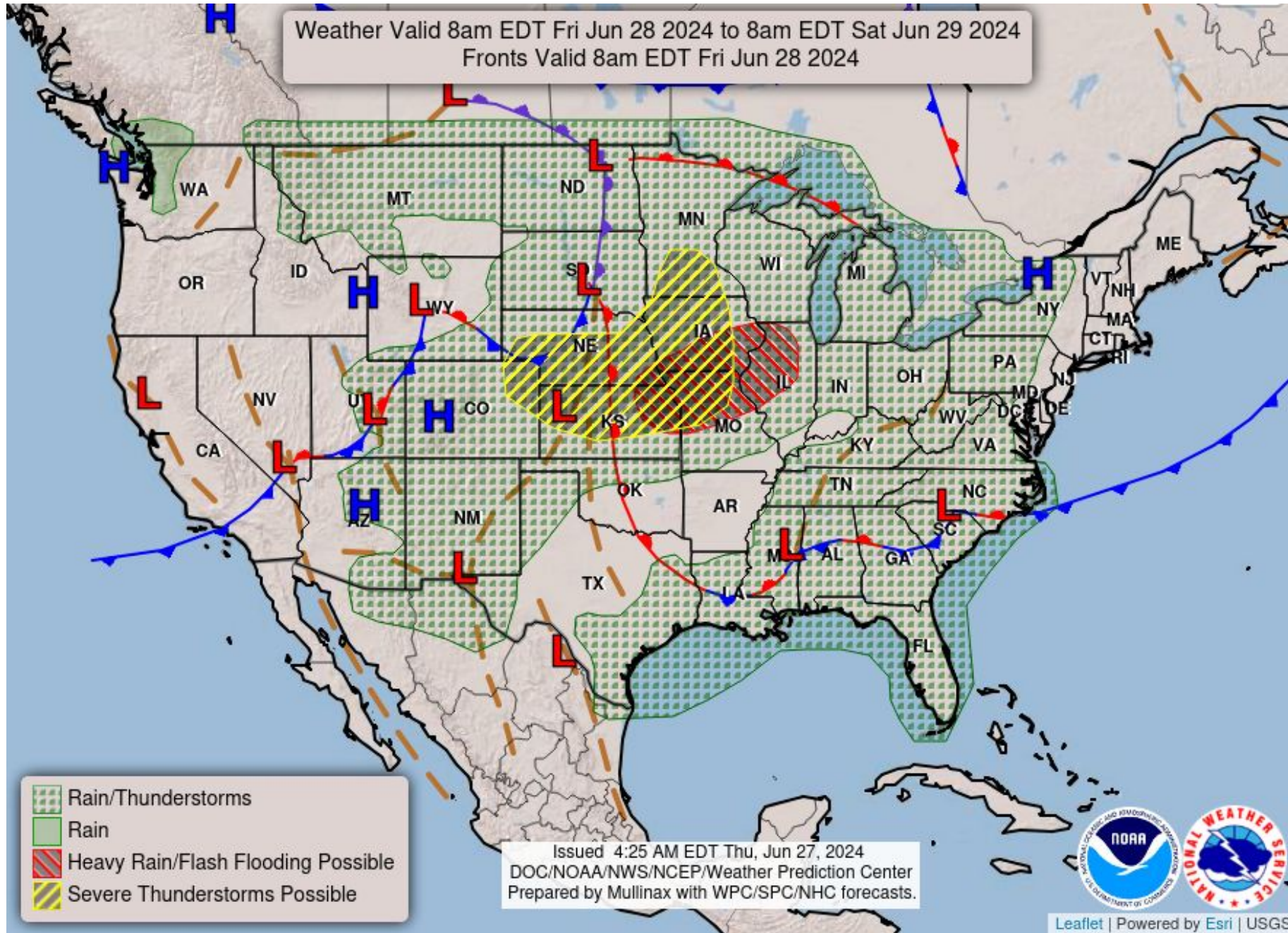
27 Jun 2024 13:36Z - NOAA/NESDIS/STAR - GOES-East - GEOCOLOR Composite - SE

The increasing moisture is evident with the additional clouds over the region this morning. As the frontal boundary embedded in the clouds moves into the area showers and thunderstorms are expected to develop early this afternoon.



National Forecast - Friday

June 27, 2024
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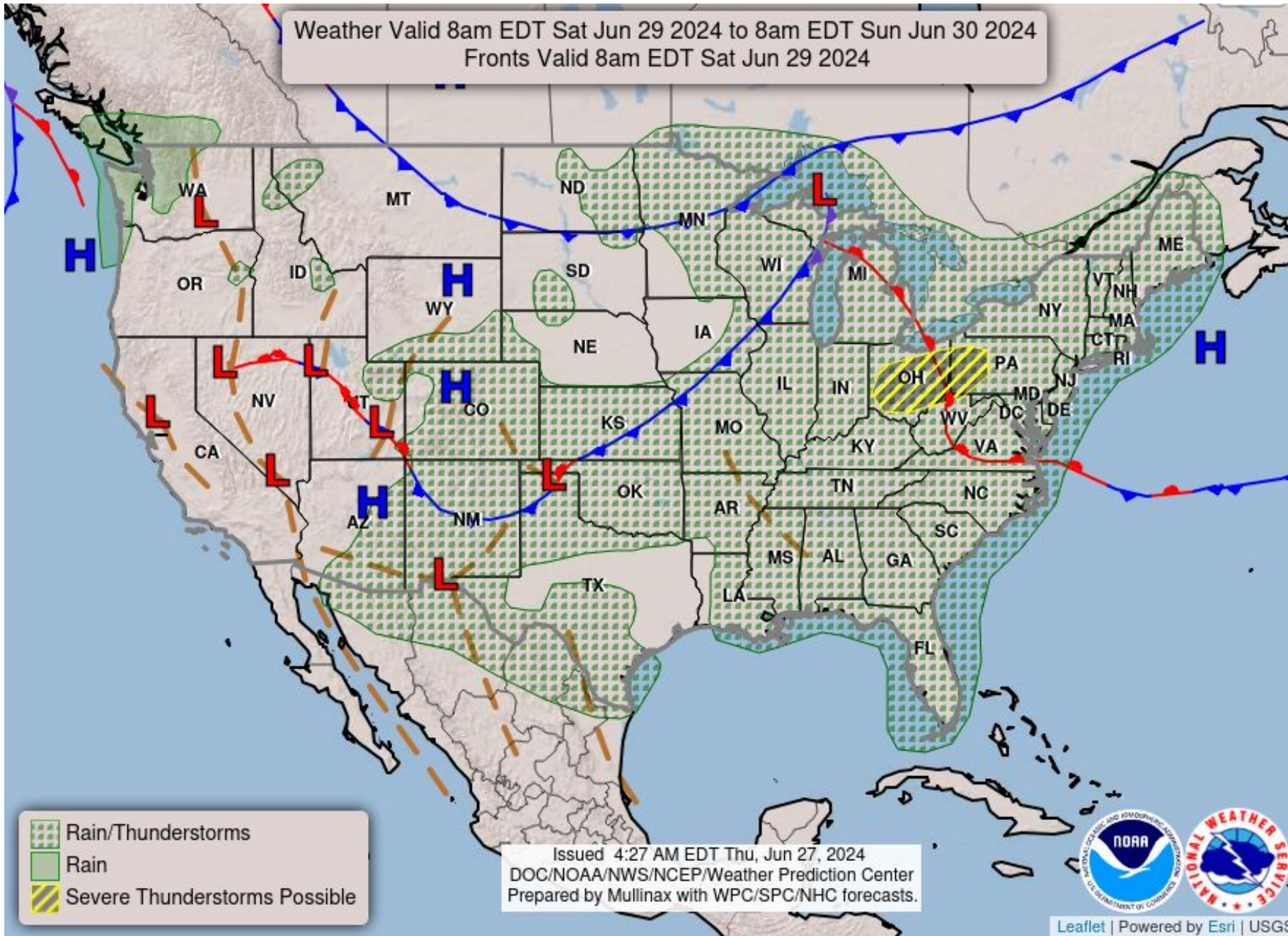


The weak boundary will remain across the area on Friday leading to another day with showers and thunderstorms possible in the afternoon and evening.



National Forecast - Saturday

June 27, 2024
9:43 AM

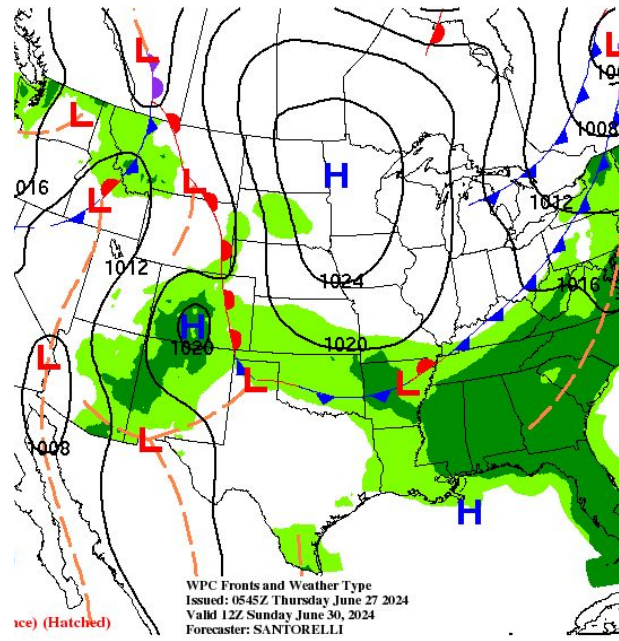


The weak surface boundary will move north of the area however with high atmospheric moisture the afternoon and evening showers and thunderstorms will continue.

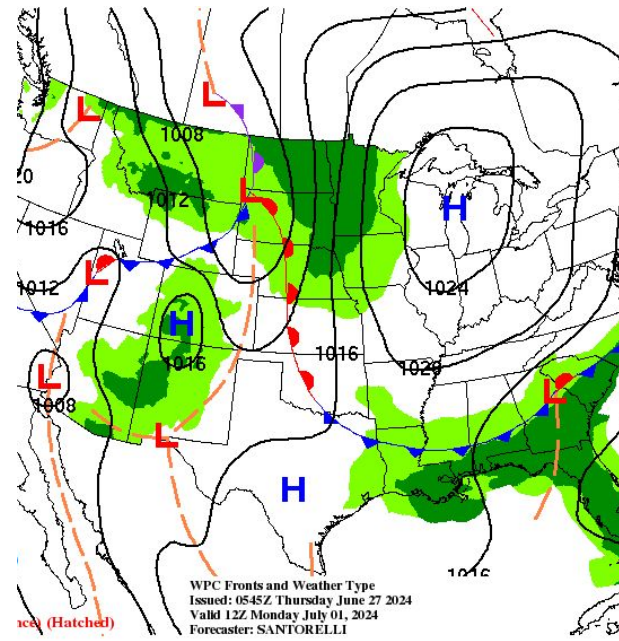


Day 4-7 Forecast

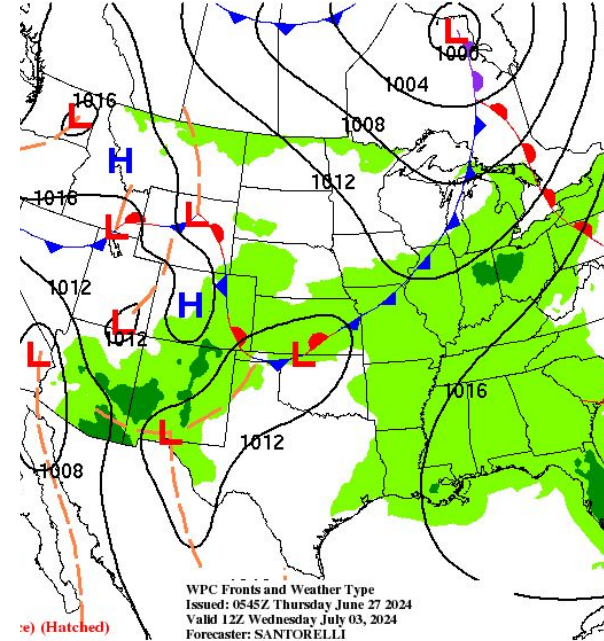
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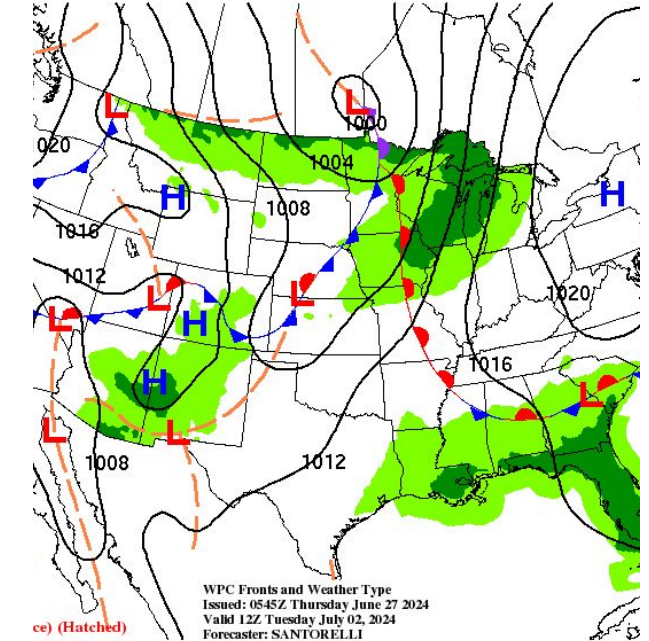
Sunday



Monday



Tuesday



Wednesday

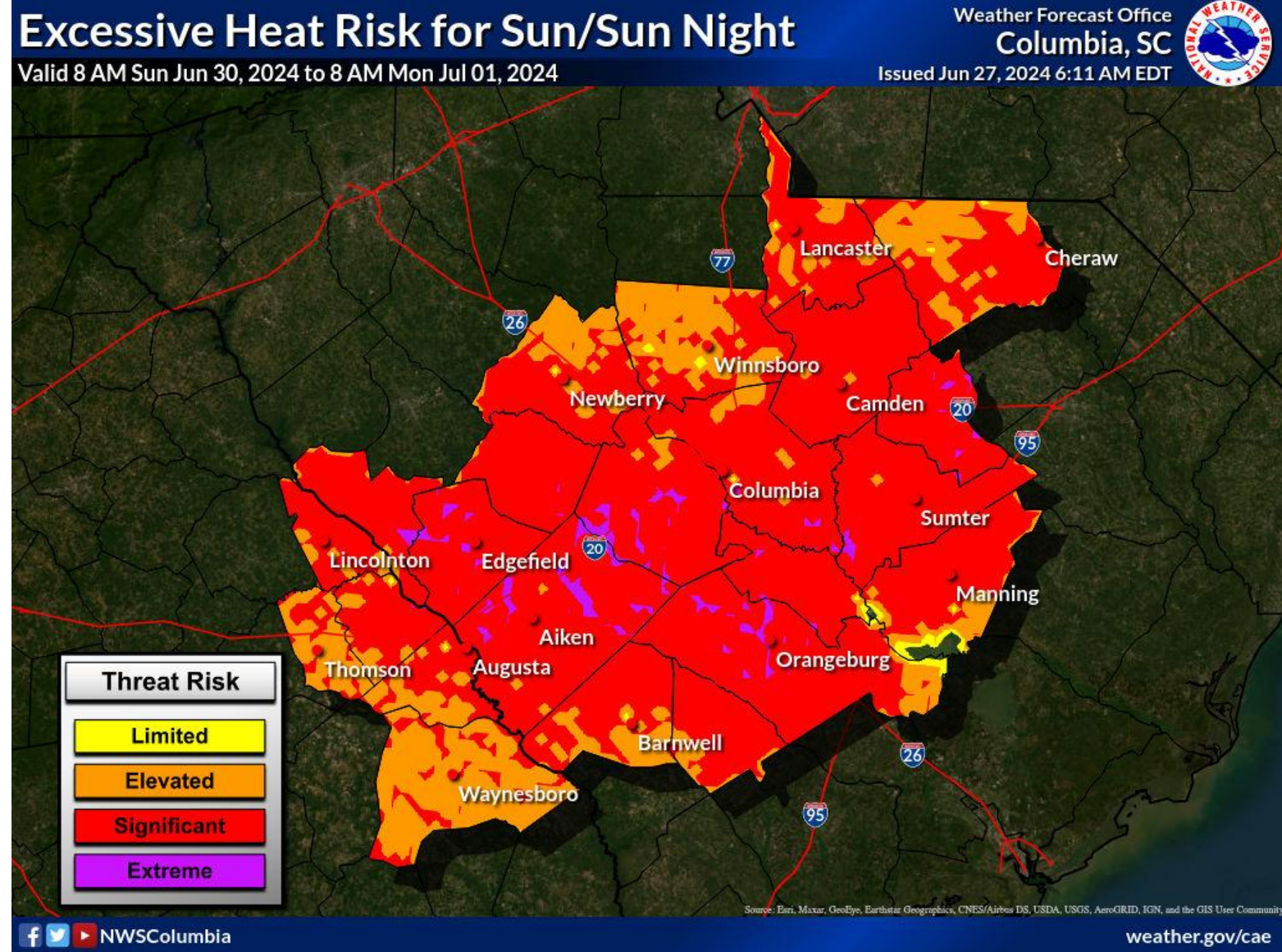
A weak frontal boundary will move through the region Sunday and Monday continuing the chances for afternoon and evening showers and thunderstorms. Temperatures will return to near normal in the lower 90s Tuesday and Wednesday with afternoon and evening showers and thunderstorms continuing.





Excessive Heat Risk Sunday

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The combination of high temperatures in the mid 90s along with high humidity will lead to heat index readings around 110 Sunday afternoon. Threats for heat related impacts and illness will be significant to extreme. A heat advisory will likely be needed.



Severe Weather Outlook

June 27, 2024
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Thursday, June 27

Timing



1 pm this afternoon to 10 pm this evening

Actions



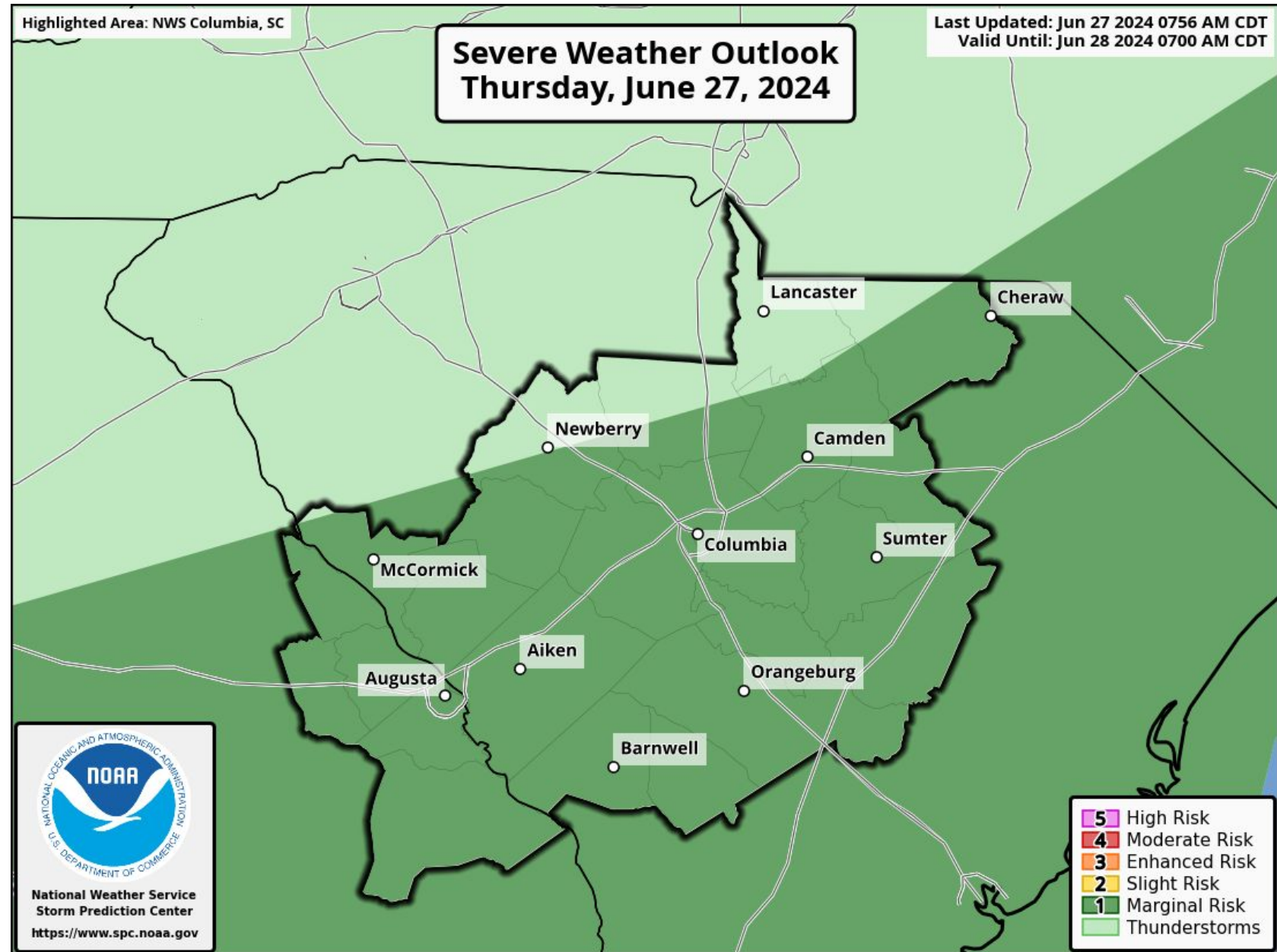
Be weather aware and ready to act.
Have multiple ways to receive warning information!

Severe Threats



Damaging Wind

Gusts up to 65 mph possible

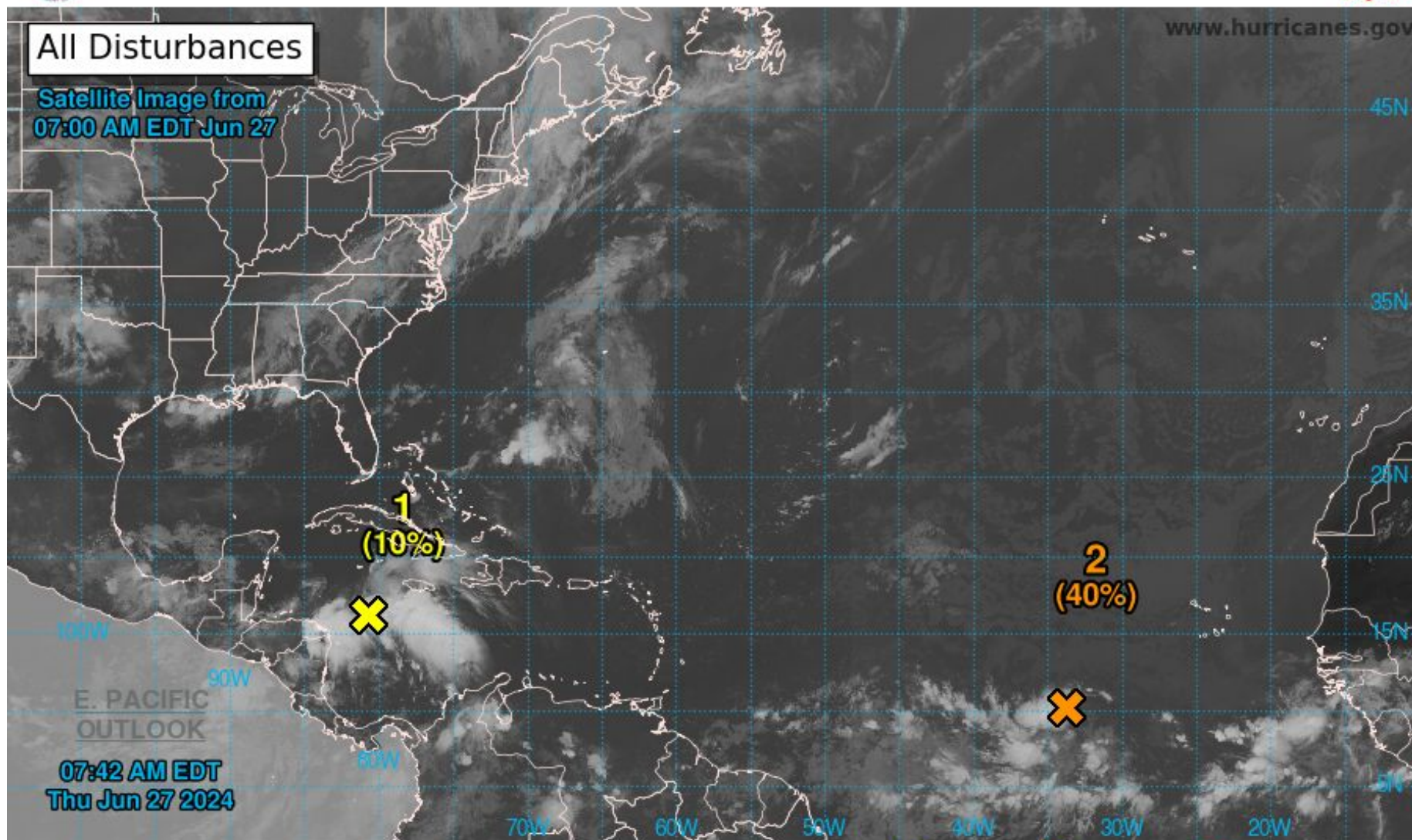


2 Day Outlook - Atlantic

Tropics Show Signs of Possible Activity

Two-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



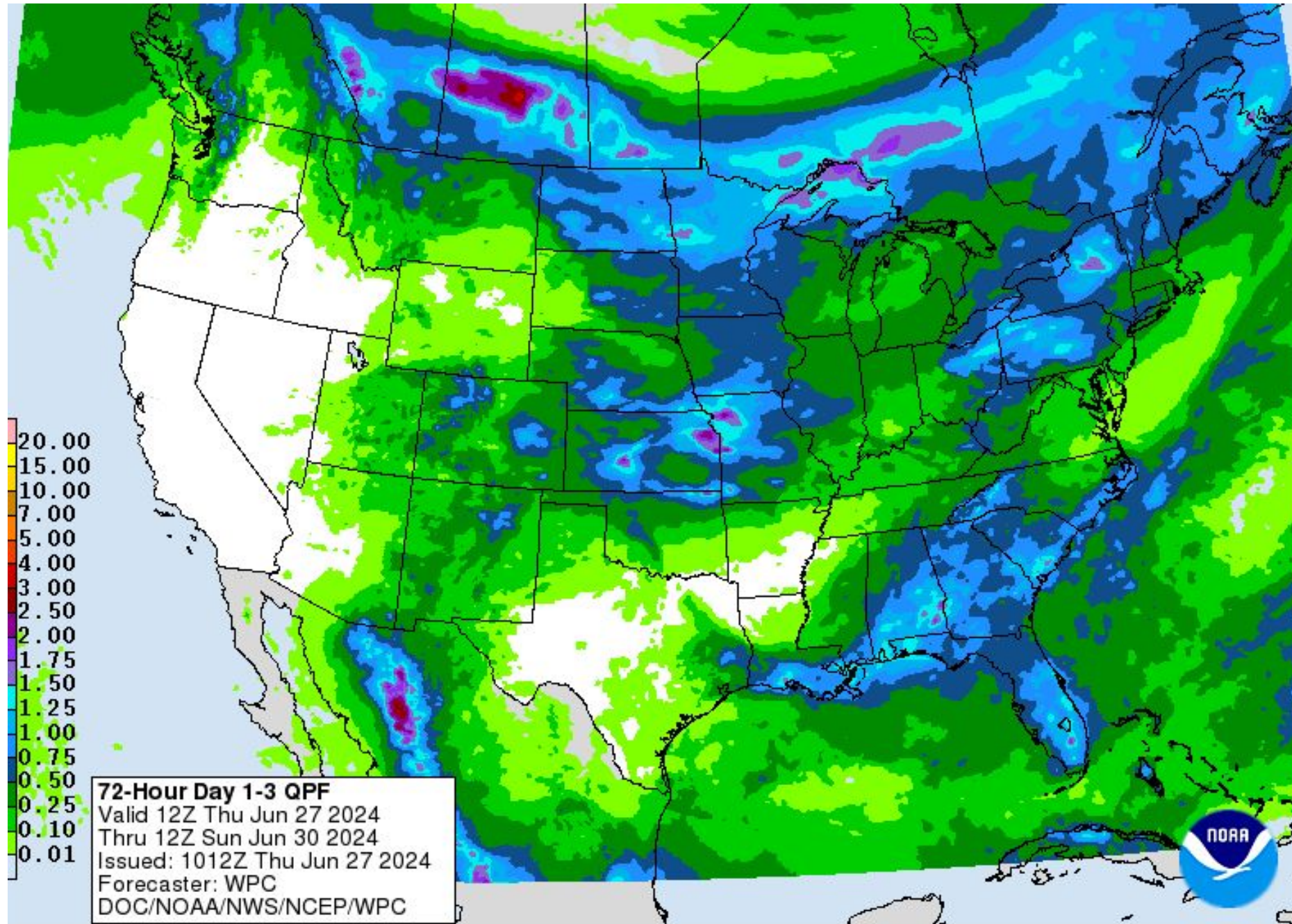
Current Disturbances and Two-Day Cyclone Formation Chance:
 X < 40% X 40-60% X > 60%
 Tropical or Sub-Tropical Cyclone: ○ Depression ○ Storm ○ Hurricane
 ⊗ Post-Tropical Cyclone or Remnants

The National Hurricane Center continues to monitor two areas for possible tropical development. No tropical impacts are expected to the area in the next 7 days.



Precipitation Accum - Today thru Saturday

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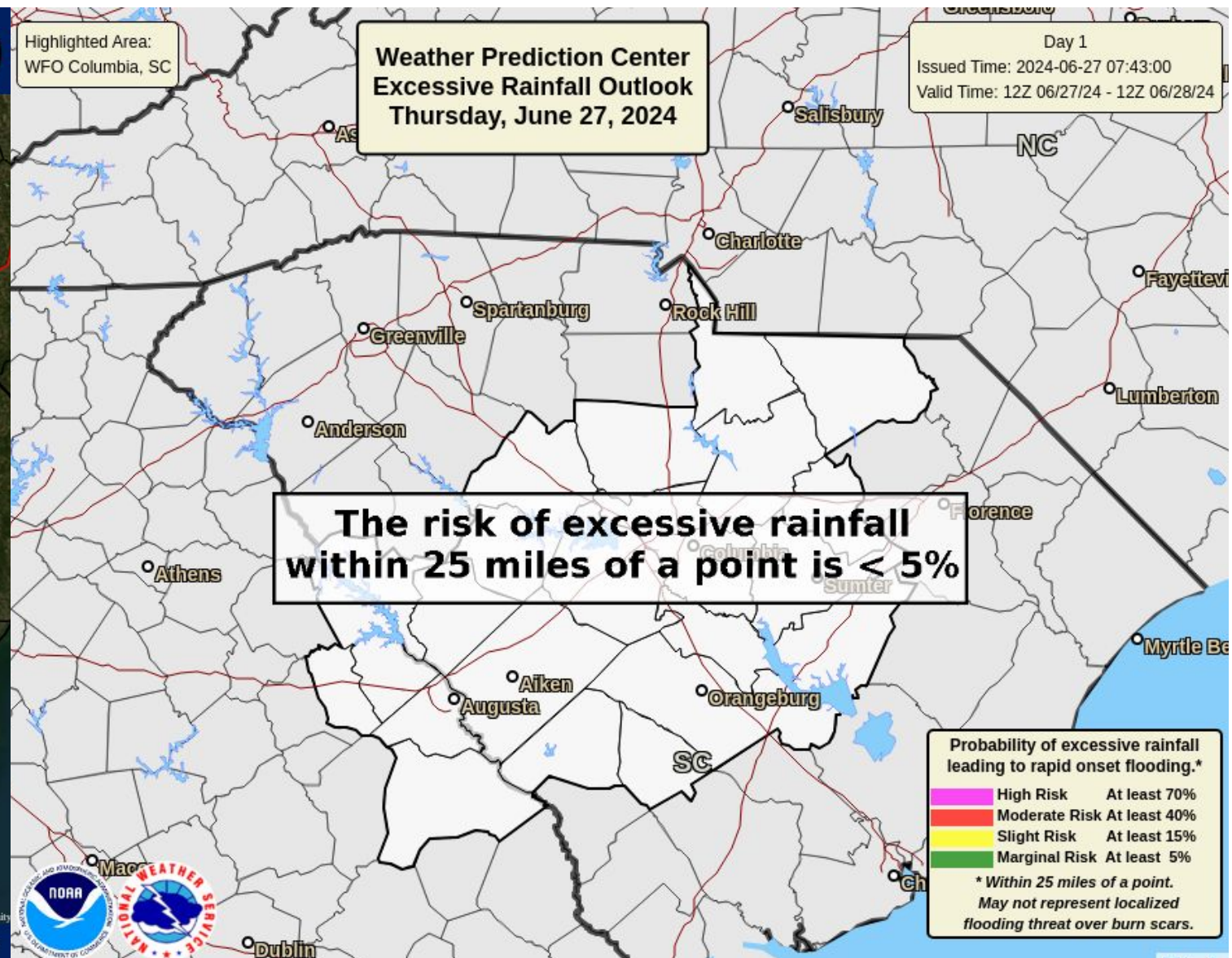
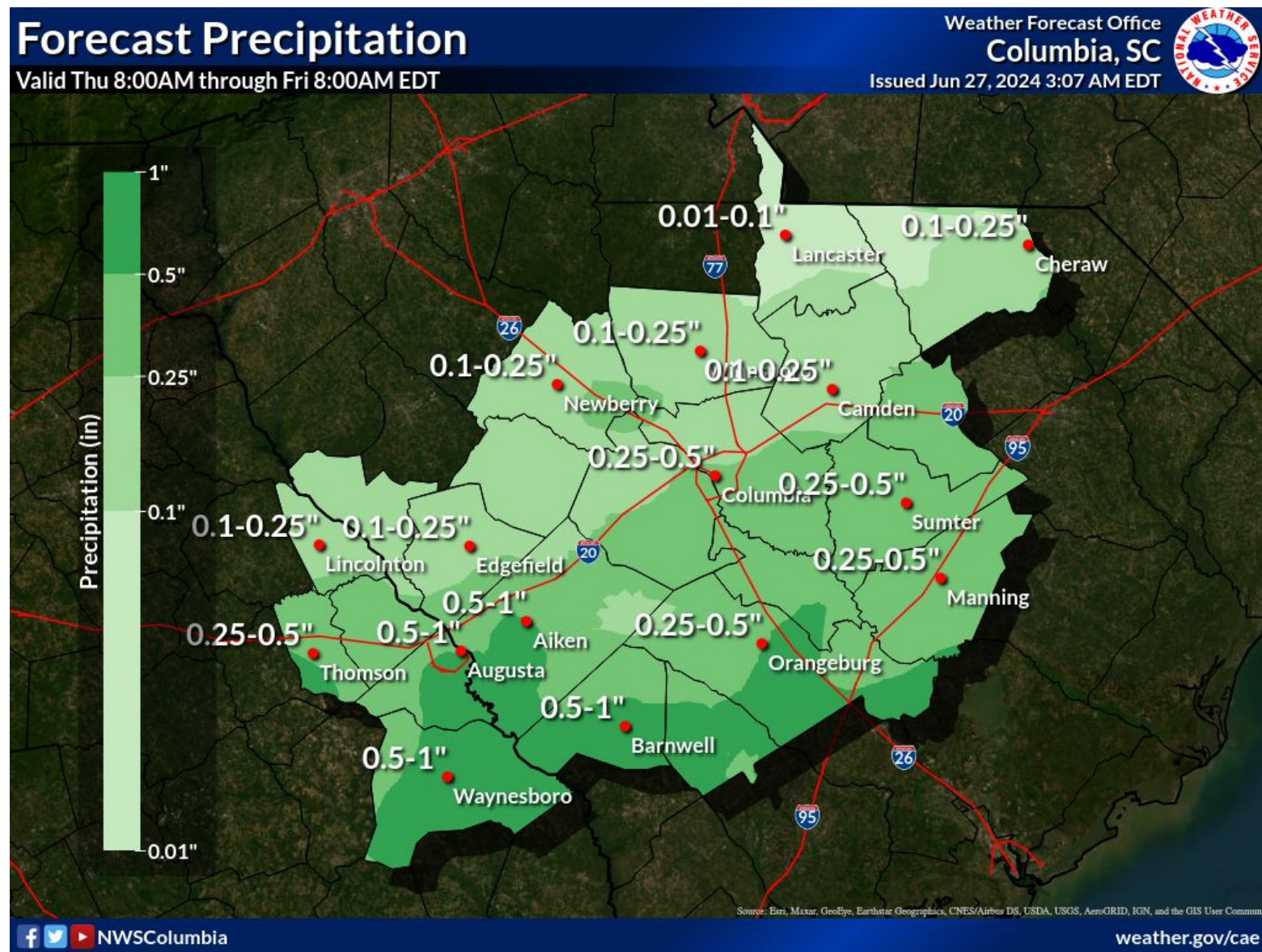


With the increasing chances for showers and thunderstorms rainfall across the area will be welcome. Locally heavy rainfall from thunderstorms will also be possible.



Rainfall Forecast - Today

June 27, 2024
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Potential rainfall across the area this afternoon and evening with the highest amounts along and south of I-20. Locally heavy rainfall is possible in thunderstorms.



Current Drought Conditions

June 27, 2024
9:43 AM

U.S. Drought Monitor Columbia, SC WFO

June 25, 2024

(Released Thursday, Jun. 27, 2024)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	44.66	1.08	0.00	0.00
Last Week 06-18-2024	50.68	49.32	1.35	0.00	0.00	0.00
3 Months Ago 03-26-2024	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	74.76	25.24	0.45	0.00	0.00	0.00
Start of Water Year 09-26-2023	87.01	12.99	0.09	0.00	0.00	0.00
One Year Ago 06-27-2023	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

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

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

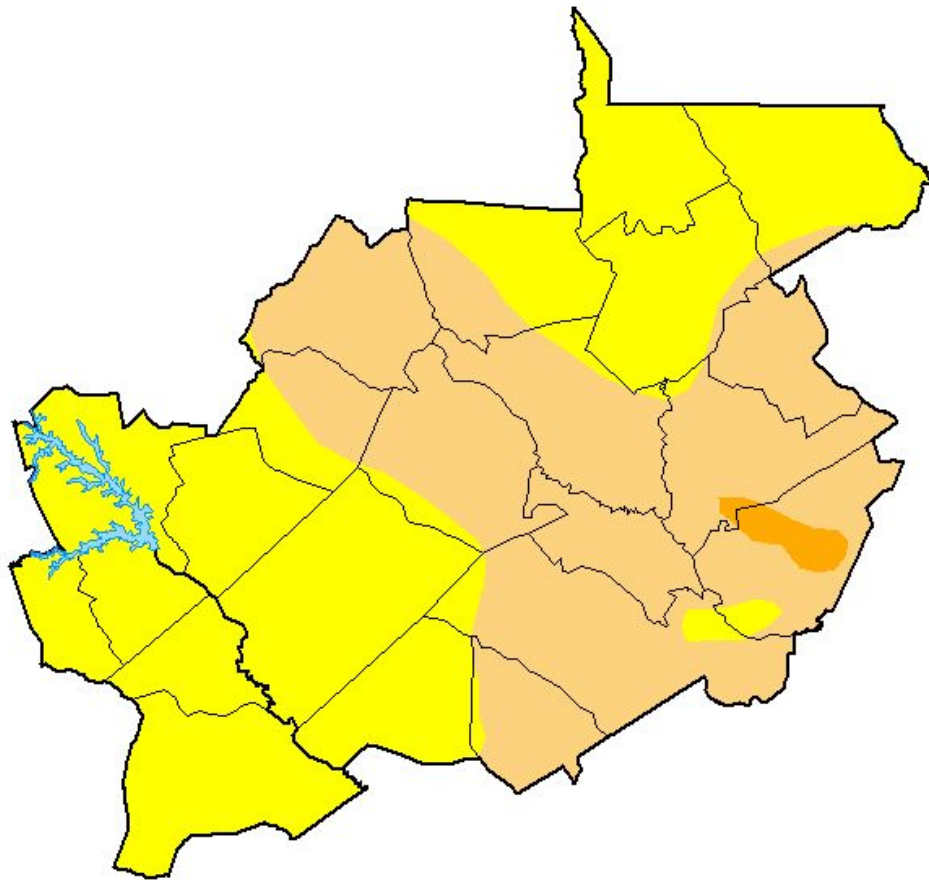
Author:

Adam Hartman
NOAA/NWS/NCEP/CPC



droughtmonitor.unl.edu

This significant increase in drought over the past couple of weeks is also leading to concerns for increasing potential for wildfires and fast spreading fires.





8-14 Day Outlook

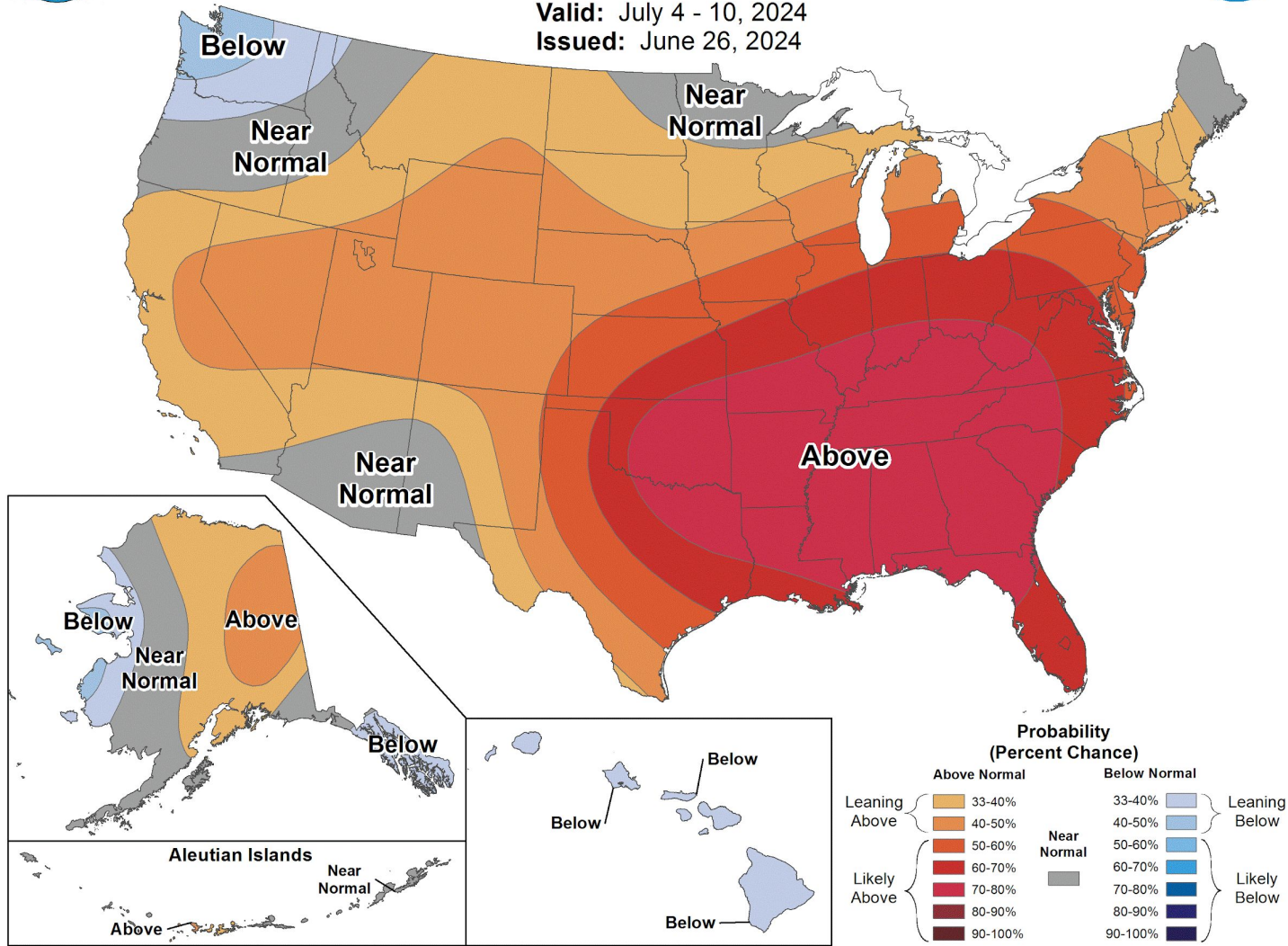
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8-14 Day Temperature Outlook



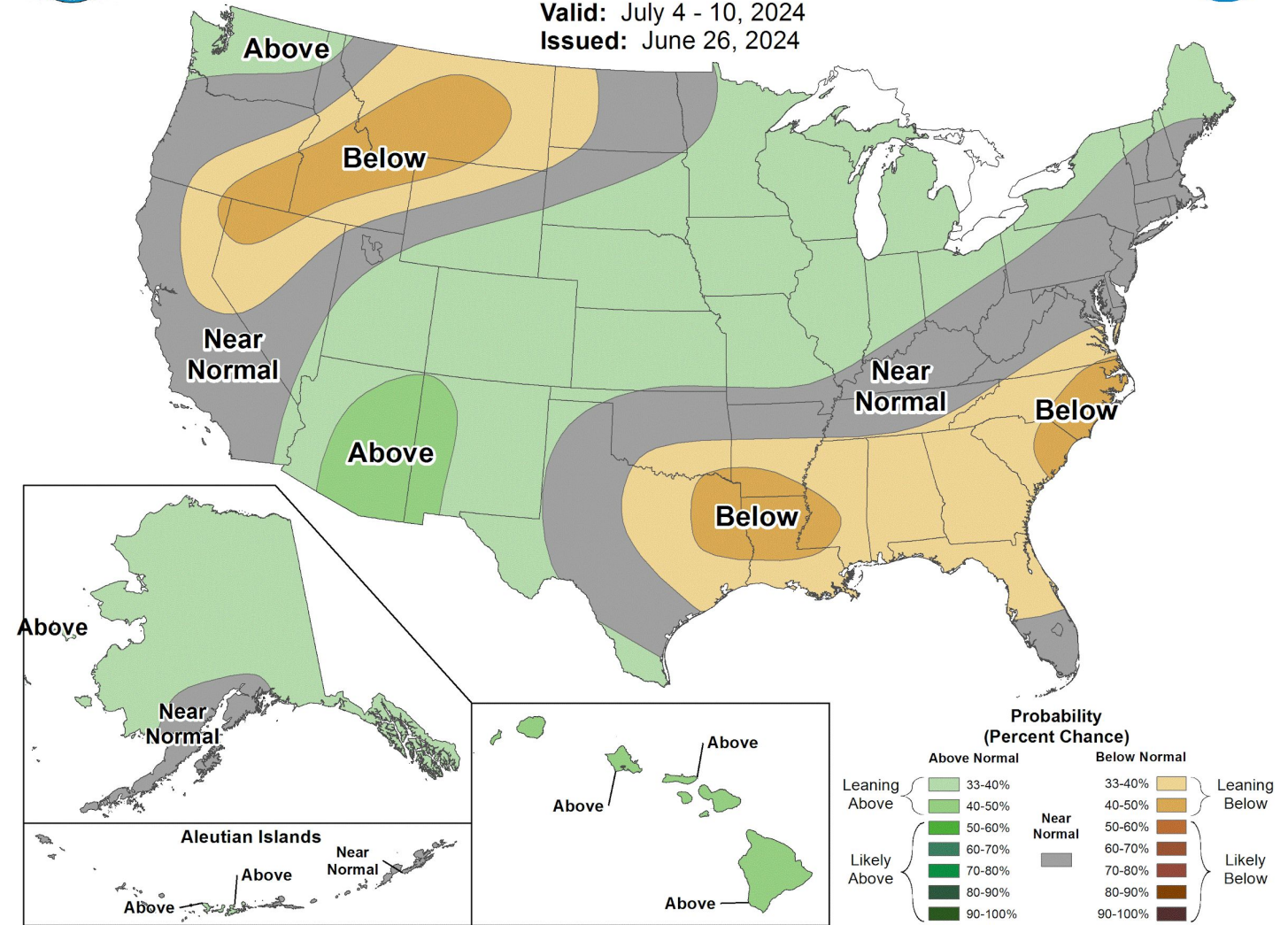
Valid: July 4 - 10, 2024
Issued: June 26, 2024



8-14 Day Precipitation Outlook



Valid: July 4 - 10, 2024
Issued: June 26, 2024





Contact Information

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For Central South Carolina and the Central Savannah River Area of Georgia



Briefing Webpage

→ weather.gov/media/cae/LatestBriefing.pdf



Next Briefing

→ Routine Briefings are issued every Monday and Thursday by 10:30am



Disclaimer

→ Information contained in this briefing is time-sensitive.



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