

National Weather Service

July 24, 2025
12:08 PM EDT

Disclaimer: The information contained in this briefing is time sensitive which should be taken into consideration while viewing.

Weekly Weather Briefing

NWS Atlanta/Peachtree City
For the Week Starting July 24, 2025



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

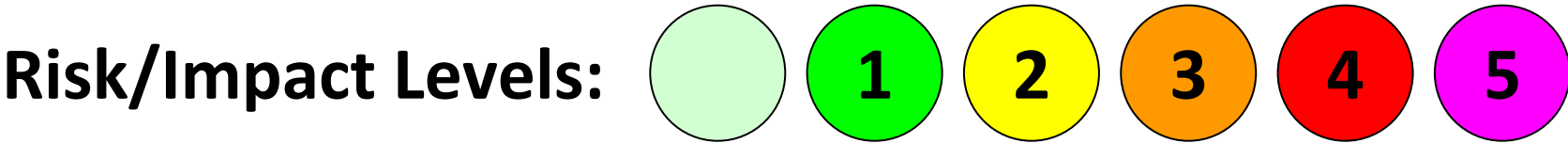
National Weather Service
Peachtree City, GA



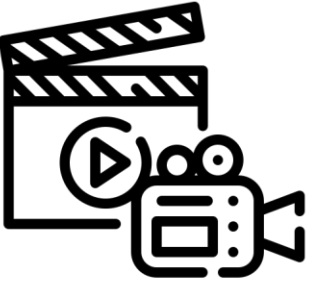
The Week Ahead

July 24, 2025
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For the Period Thursday (July 24) through Wednesday (July 30)



Today (7/24)	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
	Heat Index values 95-105F Widely scattered (15-30%) mainly aftn/eve storms	Heat Index values 98-110F Isolated (10-20%) storms mainly far north GA	Heat Index values 98-112F	Heat Index values 100-115F Isolated (10-20%) aftn/eve storms	Heat Index values 100-115F Widely scattered (15-30%) storms	Heat Index values 98-112F Scattered (25-45%) storms



Weather Highlights

- ☐ The HEAT will continue to be the primary concern through the next 5-7 days, with dangerously high Heat Index values expected Saturday through next Wednesday.
- ☐ The storm threat will diminish over the next few days, but any storms that do develop will be capable of locally heavy rain, lightning and brief gusty winds.



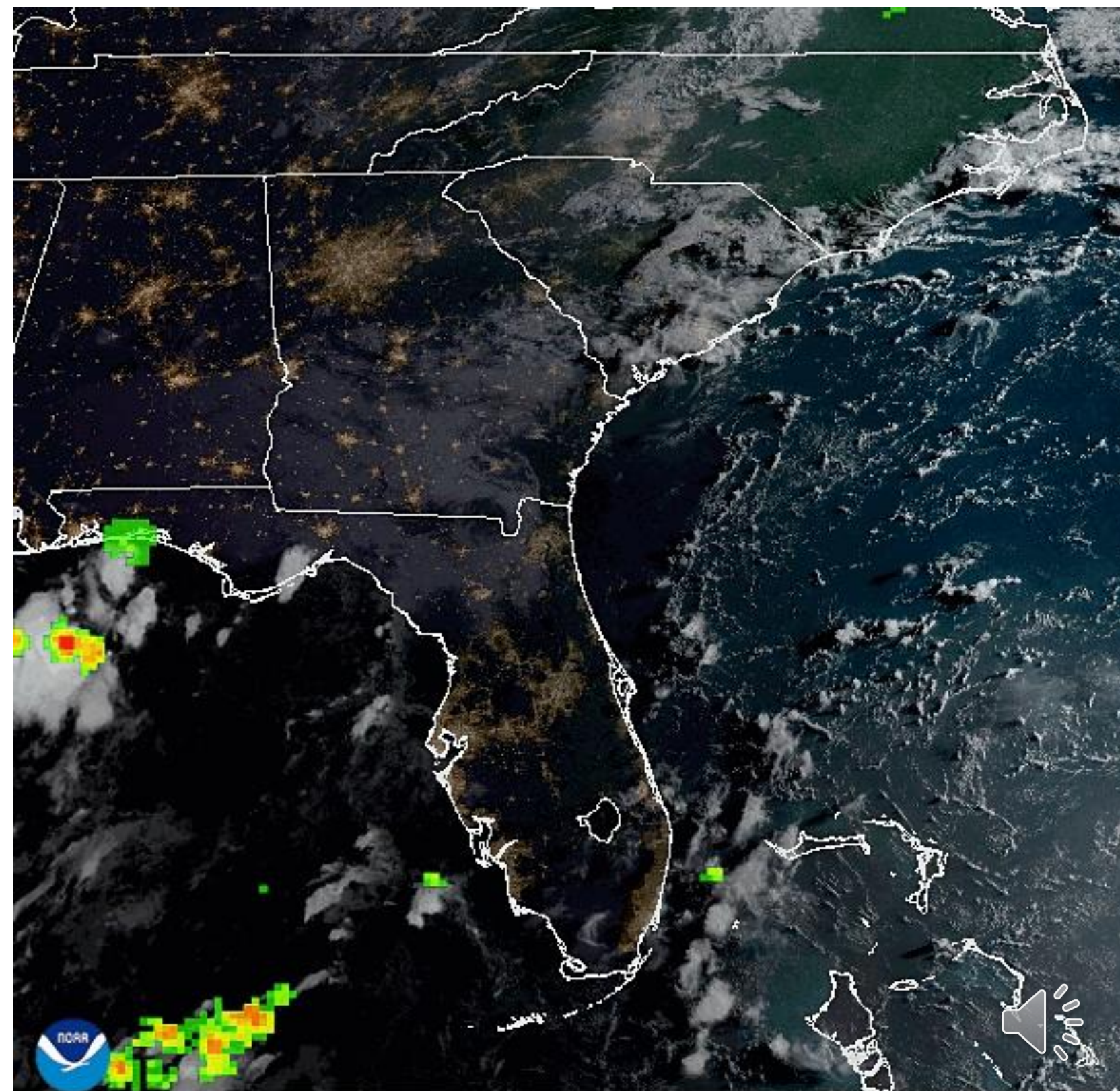


Satellite - Southeast

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Loop = ~8a-12p Thursday (7/24)

- An easterly flow off the Atlantic is maintaining decent moisture across the region. A few afternoon and evening showers & storms are possible as daytime heating occurs.
- **Primary storm threats:**
 - Locally heavy rain
 - Lightning
 - Brief wind gusts (to 40 MPH)



24 Jul 2025 11:41 - NOAA/NESDIS/STAR - GOES-G19 - GLM FED



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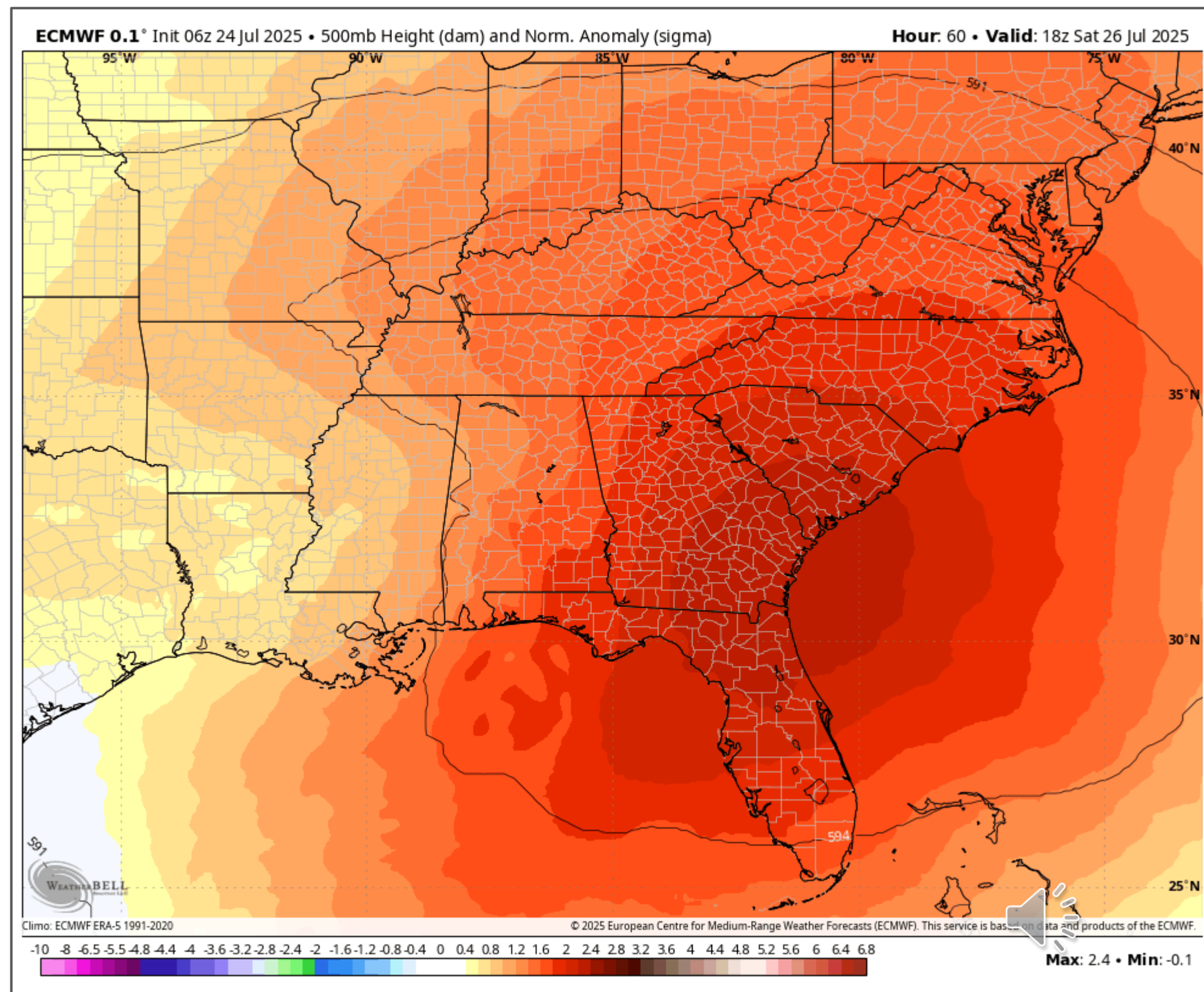


Why is it unusually HOT?

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Upper level pattern (Sunday through early Tuesday)

- Upper level HIGH pressure (i.e. “ridge”) can suppress thunderstorm development but can also result in very warm conditions
- The pattern over the next 5-7 days shows an unusually warm “upper level ridge” setting up across the SE Region
- The orange to darker red colors in the graphic shows upper level “heights” that are 1.5 to 3 times above where they typically would be for late July (our warmest time of the year)

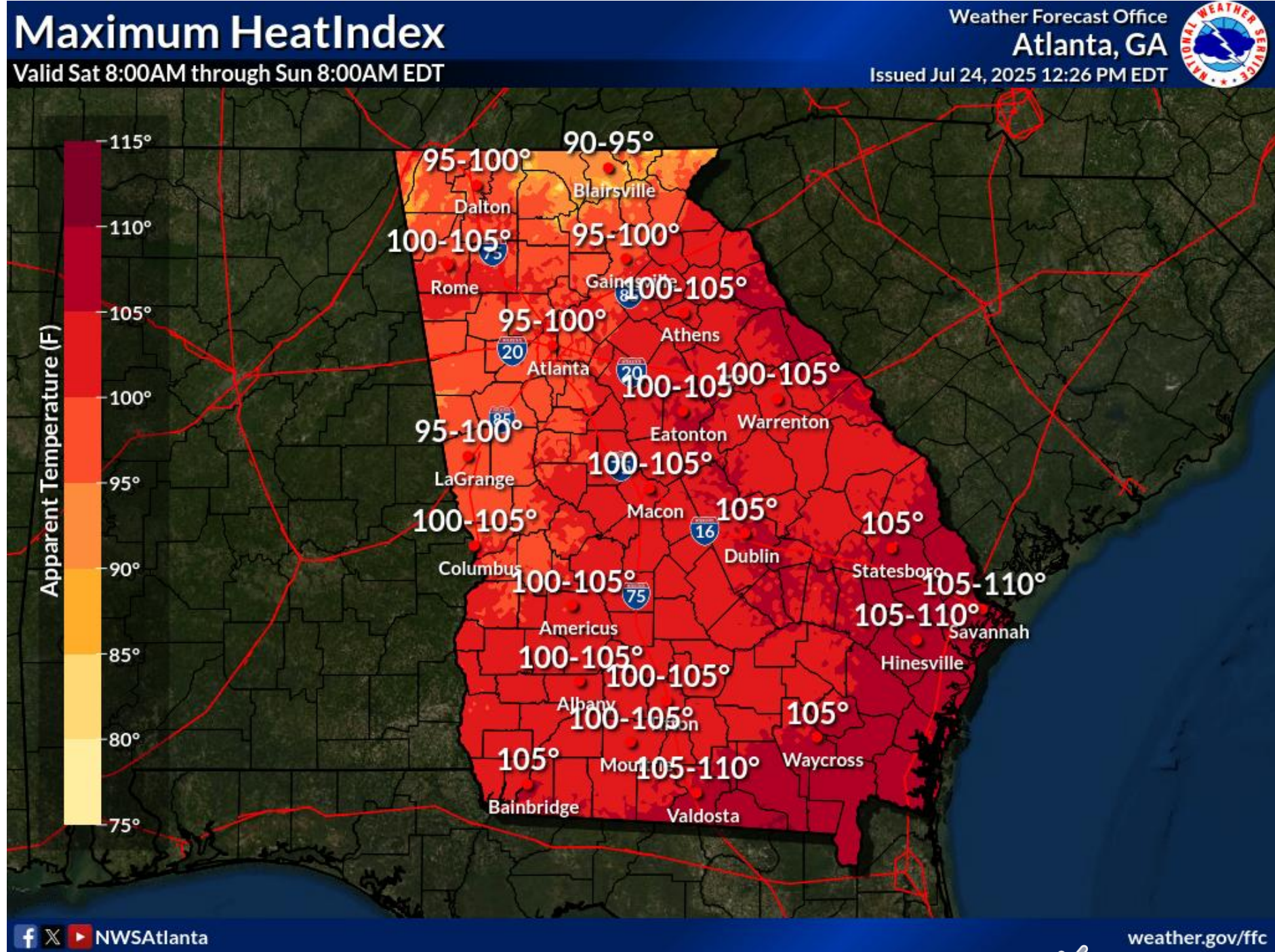
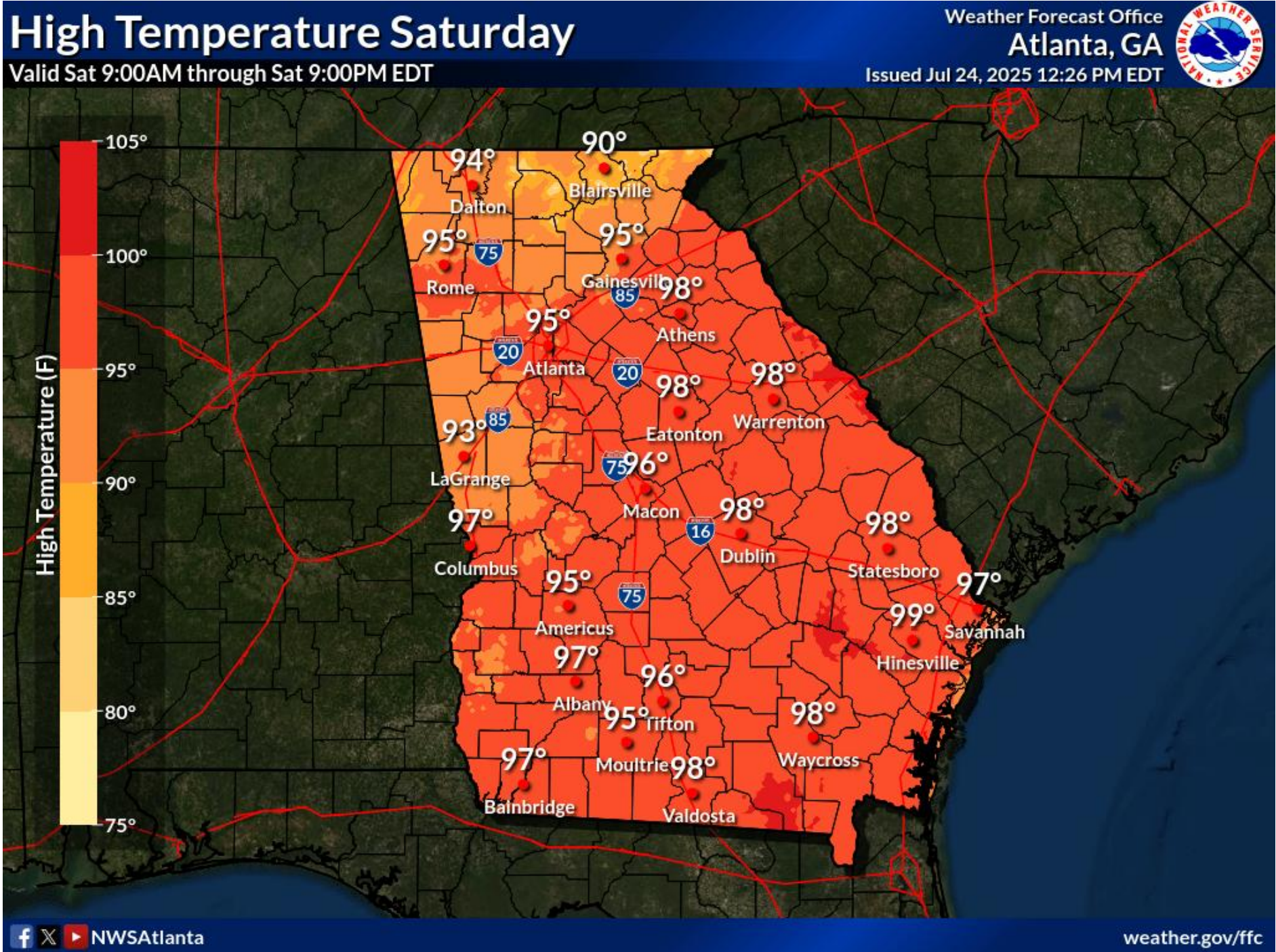




High Temps + Heat Index (Max)

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Saturday (July 26)



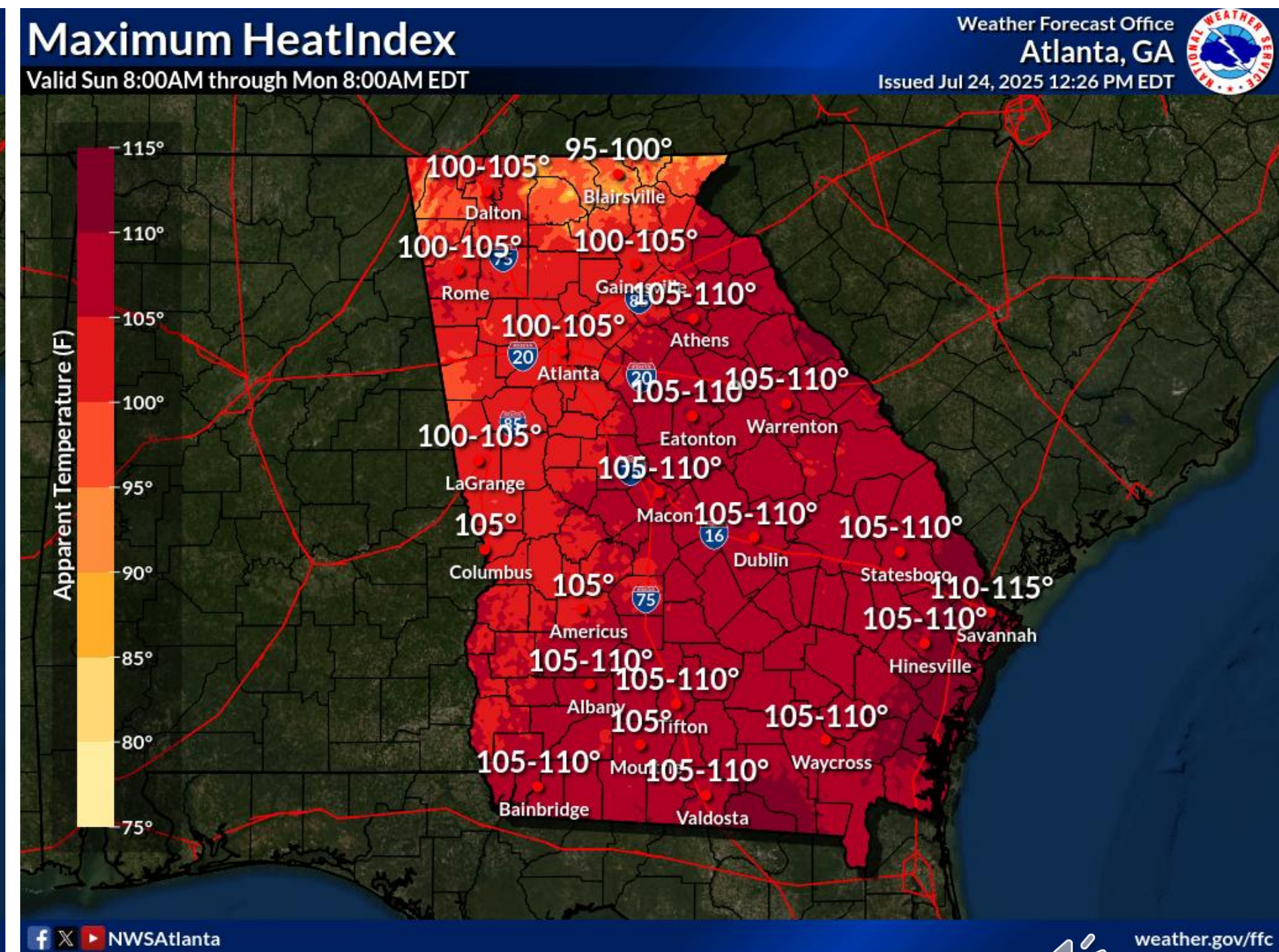
- Heat ADVISORY criteria likely across a portion of the area $\geq 105^{\circ}\text{F}$ (Heat Index).





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Sunday (July 27)



- Heat ADVISORY criteria likely across a portion of the area $\geq 105^{\circ}\text{F}$ (Heat Index).



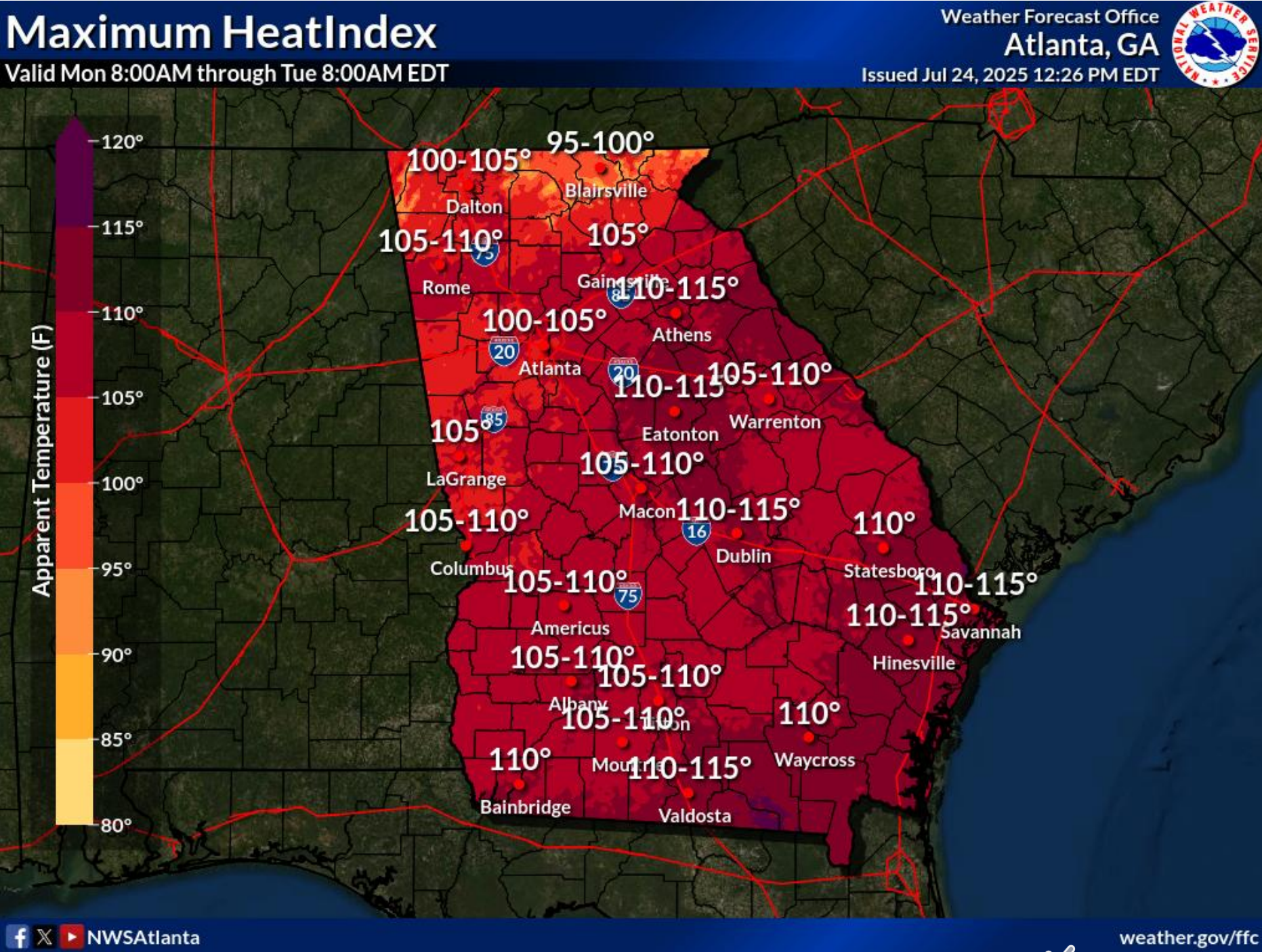
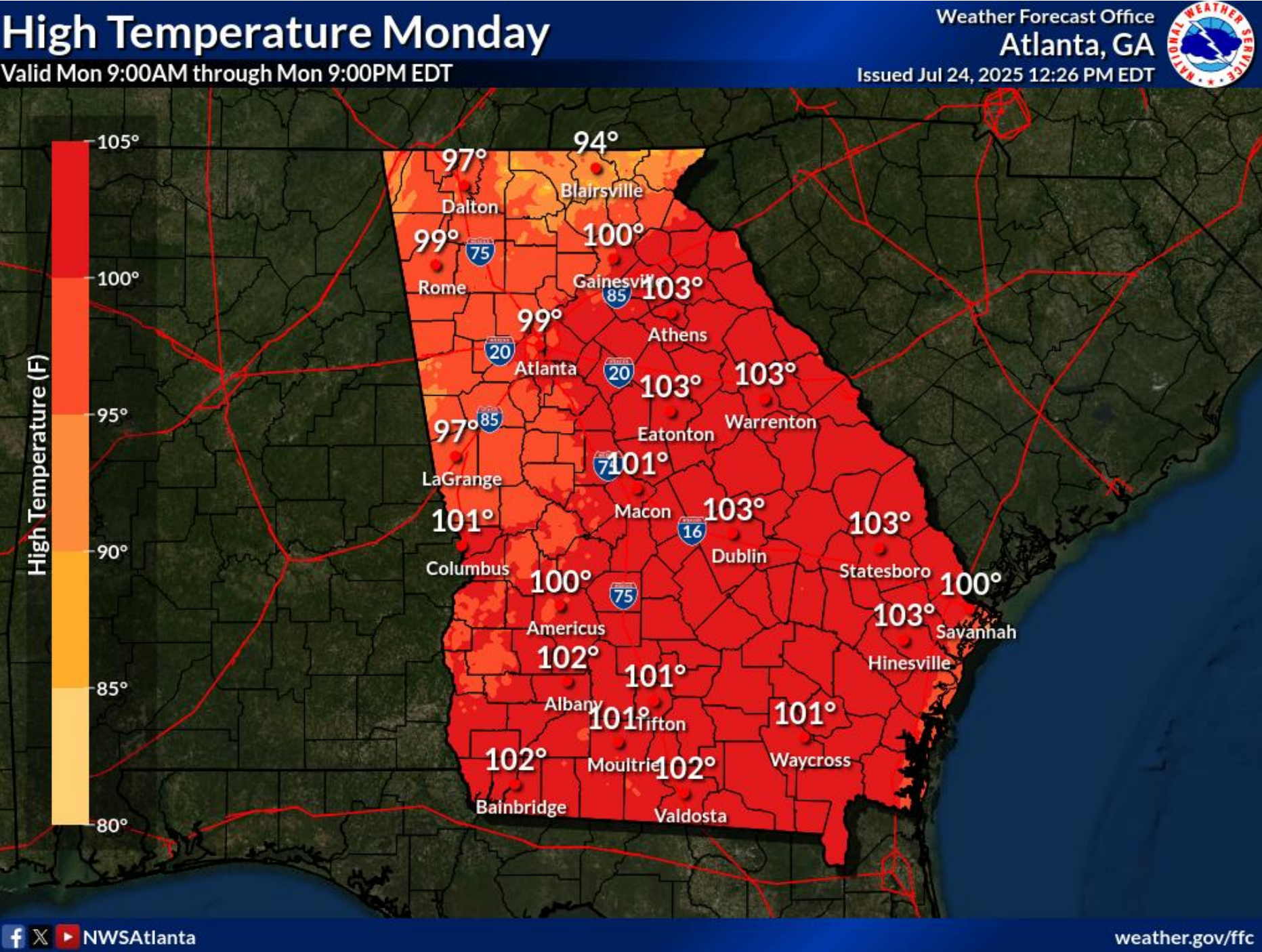
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High Temps + Heat Index (Max)

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Monday (July 28)



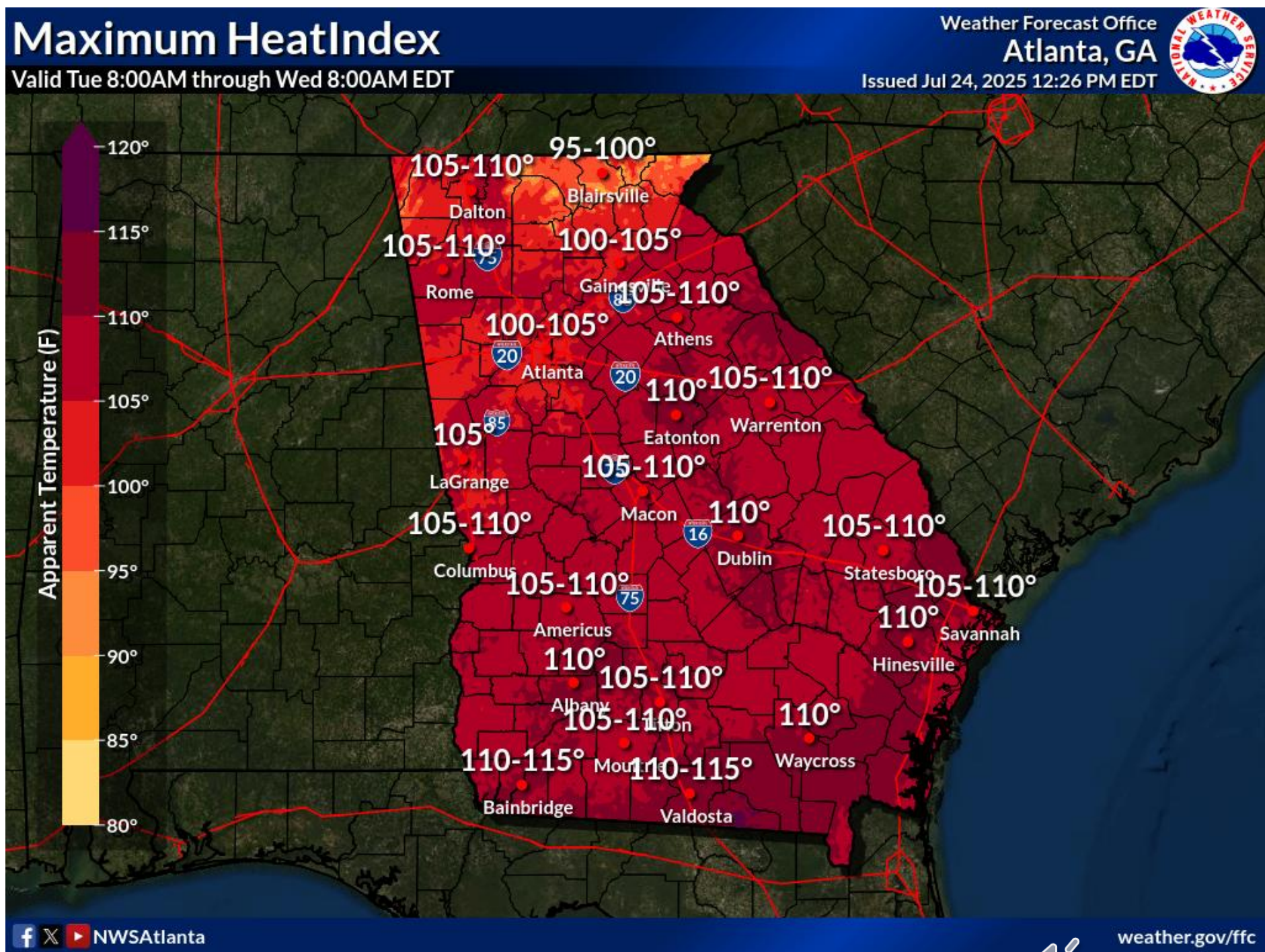
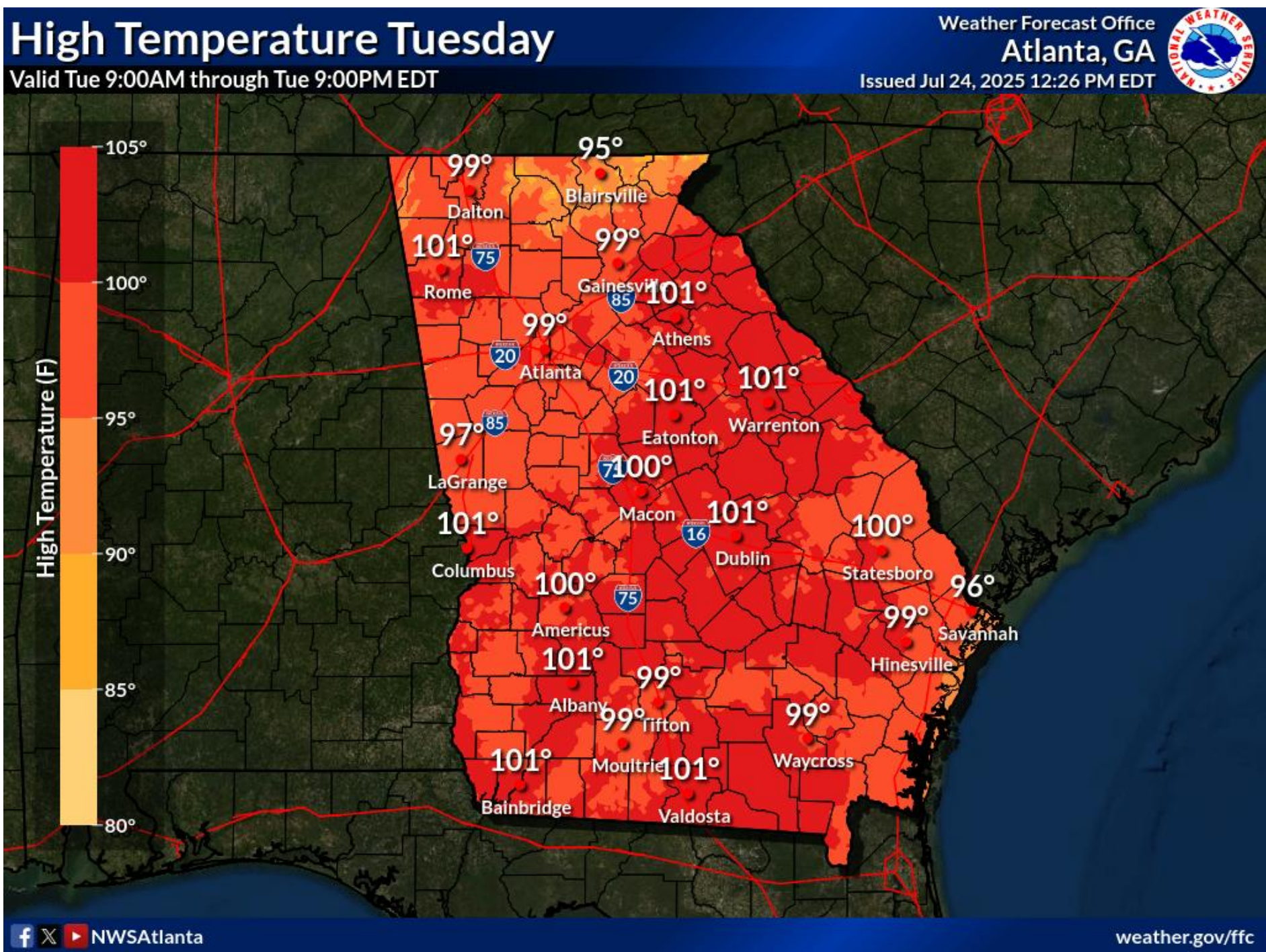
- Heat ADVISORY criteria likely across a portion of the area $\geq 105^\circ\text{F}$ (Heat Index).
- Extreme Heat WATCH or WARNING possible; areas $\geq 110^\circ\text{F}$ (Heat Index)



High Temps + Heat Index (Max)

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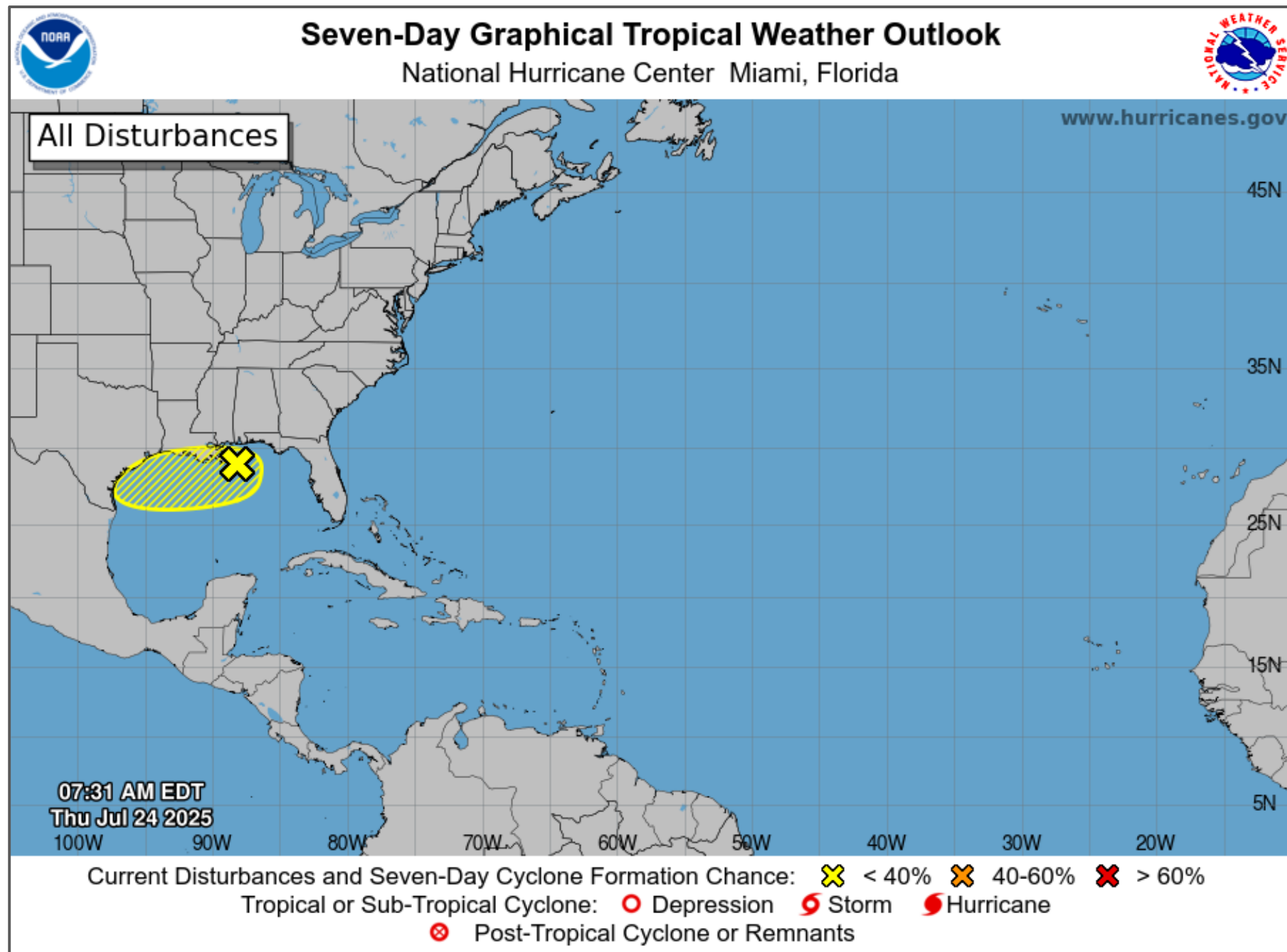
Tuesday (July 29)



- Heat ADVISORY criteria likely across a portion of the area $\geq 105^{\circ}\text{F}$ (Heat Index).
- Extreme Heat WATCH or WARNING possible; areas $\geq 110^{\circ}\text{F}$ (Heat Index)



Keeping An Eye On The Tropics



Overview:

- A weak disturbance over the northern Gulf is expected to drift west through the weekend and have little impact on our weather.
- Chances of this disturbance becoming an organized tropical system is VERY LOW at this time (~10%).



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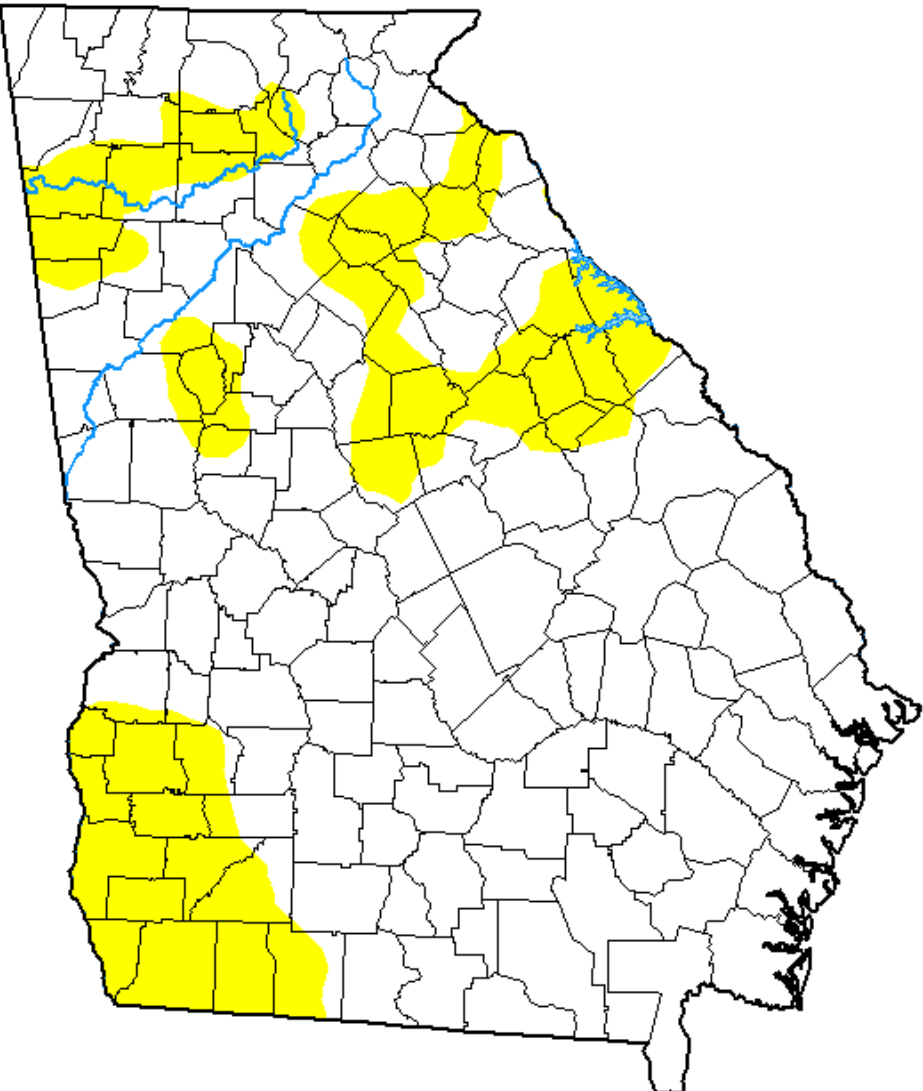
Updated: Thu Jul 24, 2025 12:08 PM



Latest Drought Conditions

July 24, 2025
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U.S. Drought Monitor Georgia



July 22, 2025
(Released Thursday, Jul. 24, 2025)
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	77.77	22.23	0.00	0.00	0.00	0.00
Last Week 07-15-2025	90.13	9.87	0.00	0.00	0.00	0.00
3 Months Ago 04-22-2025	36.87	63.13	6.99	0.00	0.00	0.00
Start of Calendar Year 01-07-2025	56.32	43.68	11.40	0.00	0.00	0.00
Start of Water Year 10-01-2024	98.35	1.65	0.00	0.00	0.00	0.00
One Year Ago 07-23-2024	36.43	63.57	31.28	5.05	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>

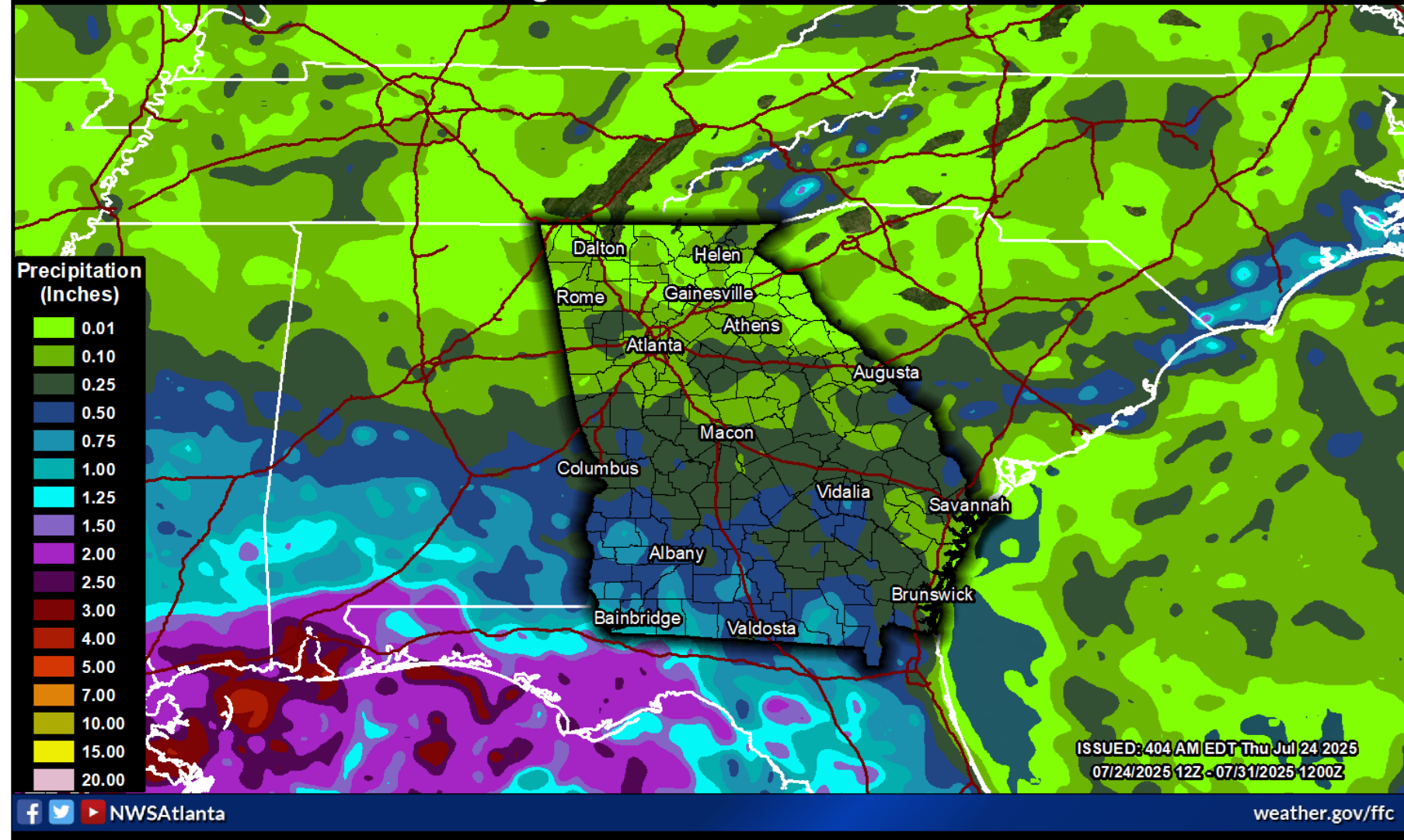
Author:
David Simeral
Western Regional Climate Center



droughtmonitor.unl.edu

Weather Prediction Center Days 1-7 QPF Georgia Sector

Weather Forecast Office
Atlanta, GA





Peachtree City, GA Climate Outlook

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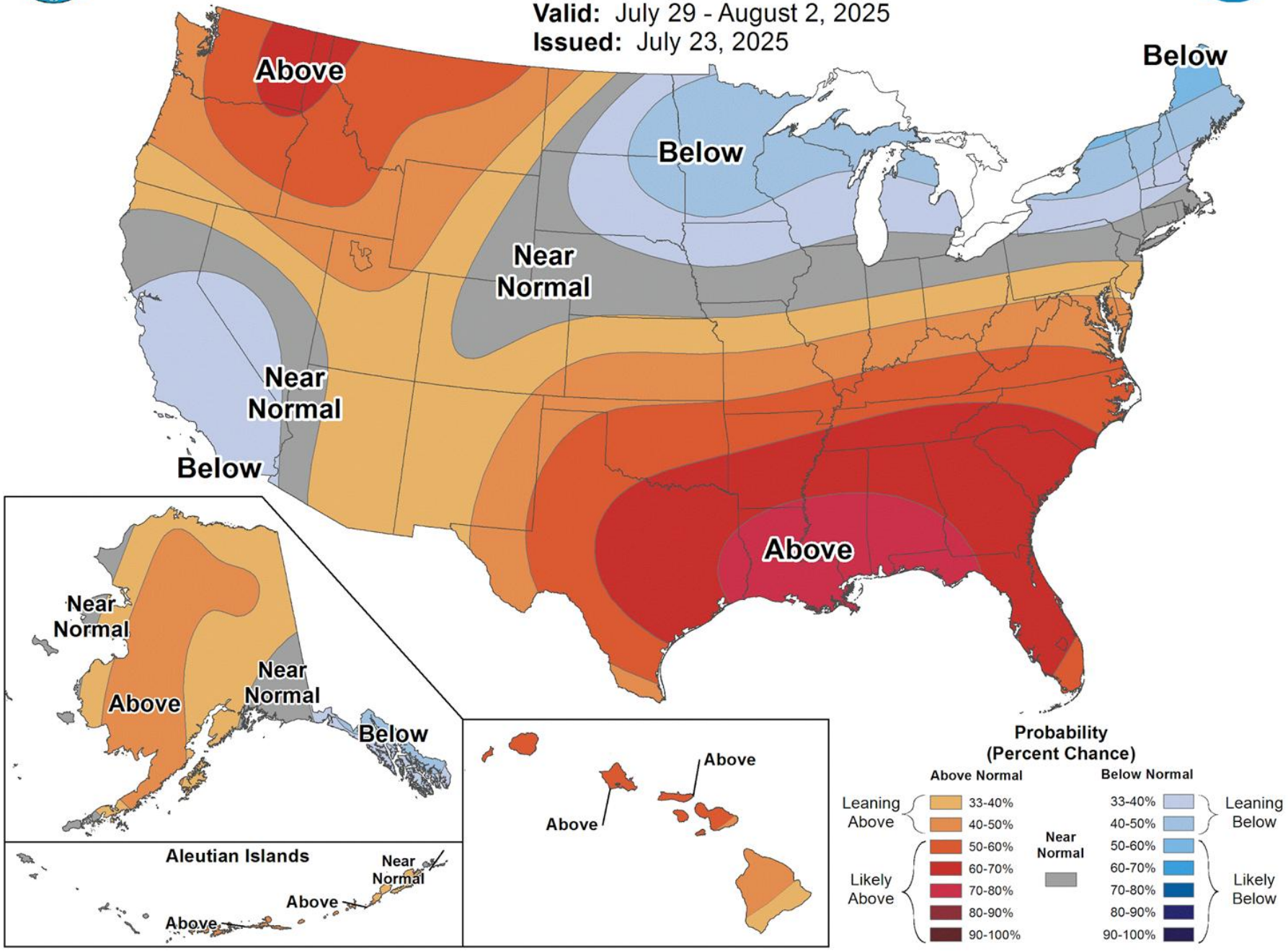
For the period: July 29-August 2, 2025



6-10 Day Temperature Outlook



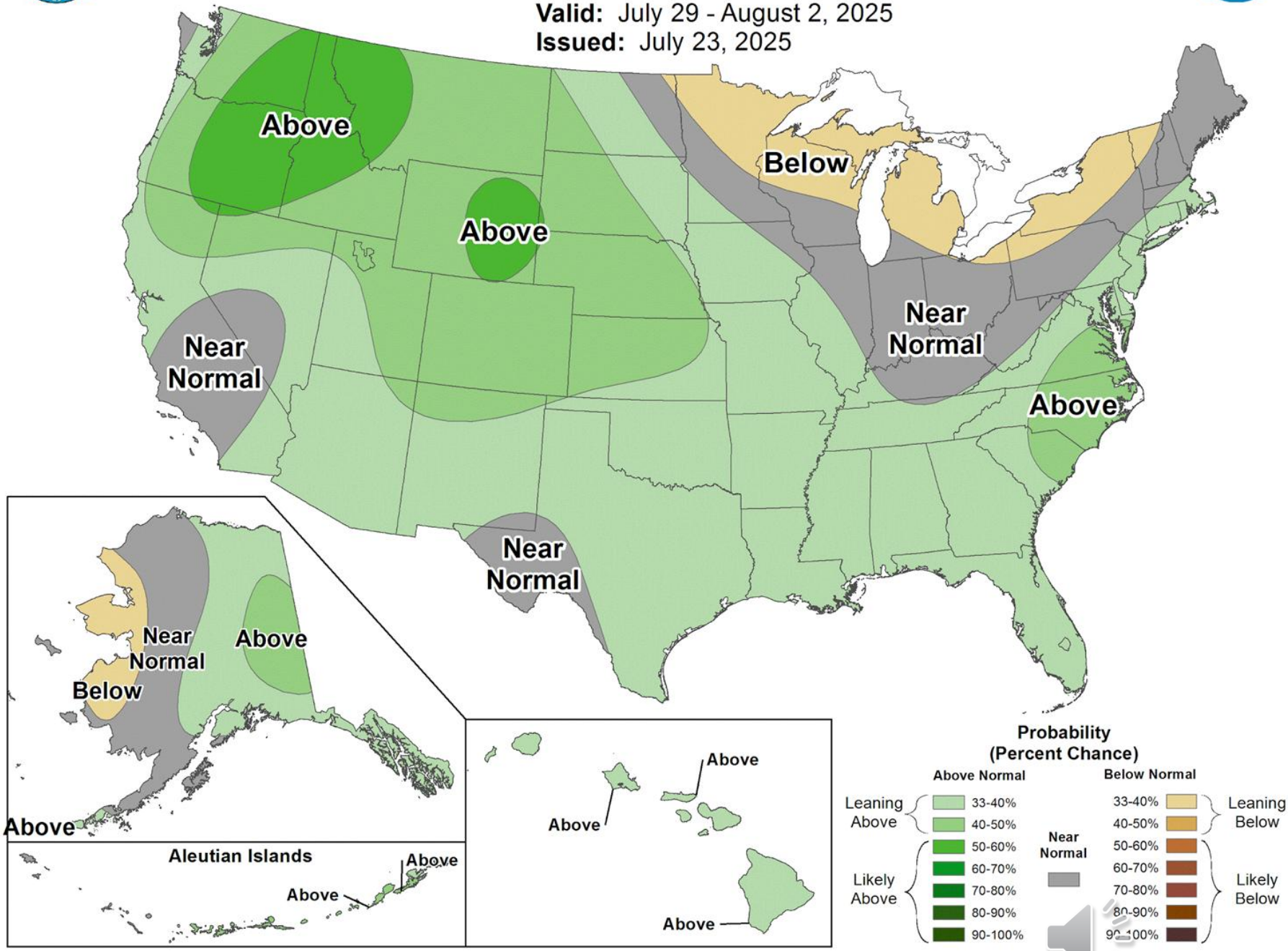
Valid: July 29 - August 2, 2025
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6-10 Day Precipitation Outlook



Valid: July 29 - August 2, 2025
Issued: July 23, 2025





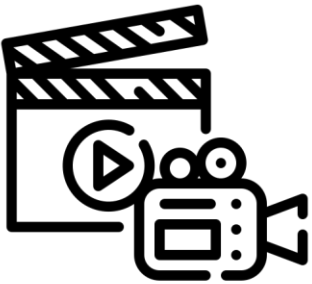
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Risk/Impact Levels:

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Contact and Next Briefing Information

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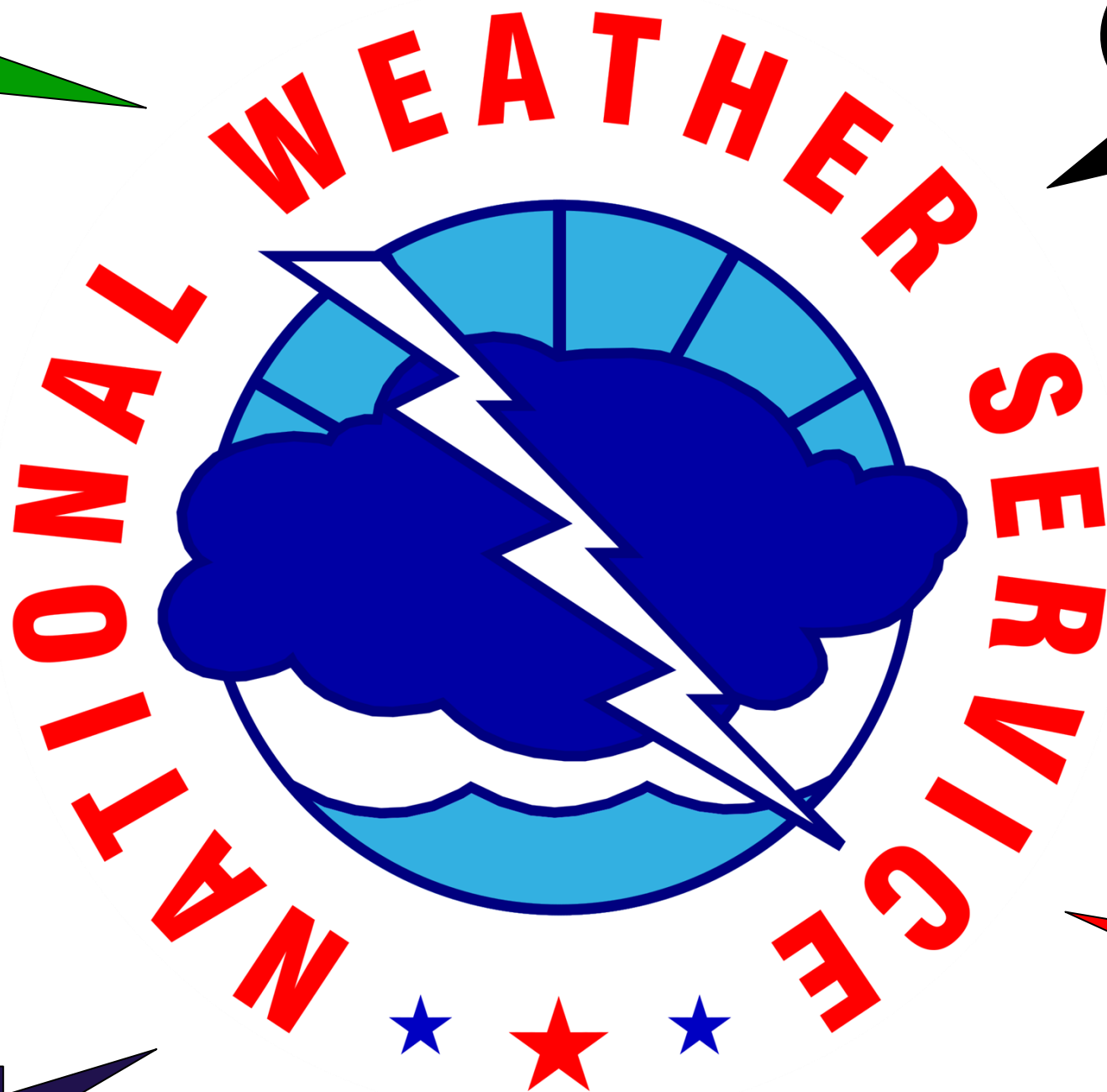
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770-486-1133

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sr-ffc.webmaster@noaa.gov

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