



National Weather Service (Atlanta)

January 19, 2025
3:28 PM

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



Special Weather Briefing
For Cold and Potential Winter Weather Early Next Week
Valid: 4:00 PM Sunday (1/19/25)
NWS Atlanta/Peachtree City



Main Points / Headlines

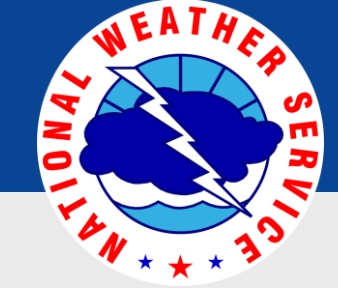
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Sunday, January 19 through Thursday, January 23

- **Isolated snow flurries will affect north Georgia and portions of the metro through Sunday evening**
 - NO Accumulations expected except in peaks of north Georgia mountains
- **Much colder conditions begin tonight and continue into Monday**
 - An **Extreme Cold Warning** is in effect for parts of north Georgia and the metro from 1am to noon on Monday. A **Cold Weather Advisory** is in effect for the remaining counties.
 - An extended period of cold/below-normal temperatures expected through the week.
- **Winter weather will impact the state Tuesday into Wednesday morning.**
 - A **Winter Storm Watch** is in effect from 10am Tuesday until 7 am Wednesday generally along and south of I-85, including much of metro Atlanta



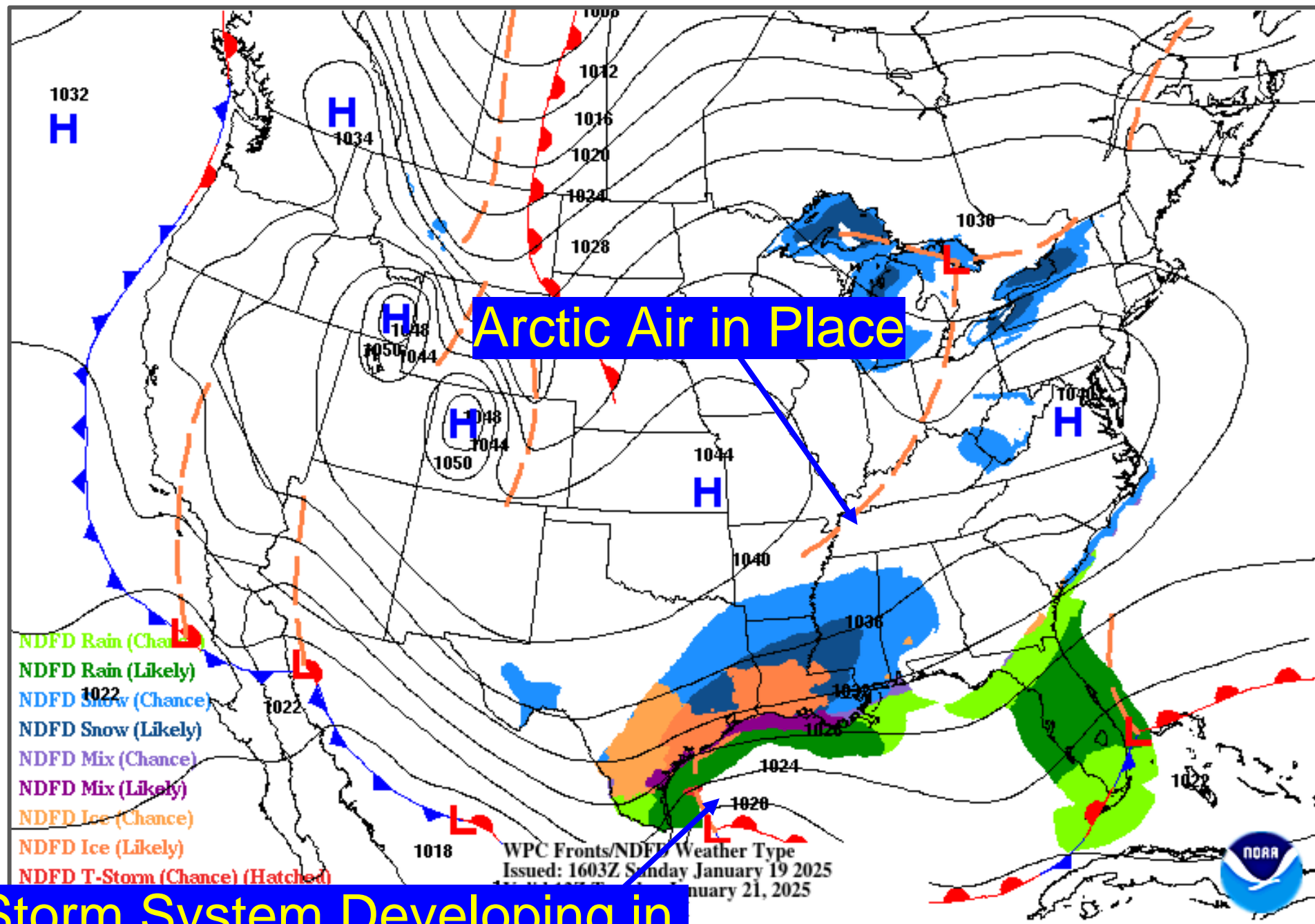
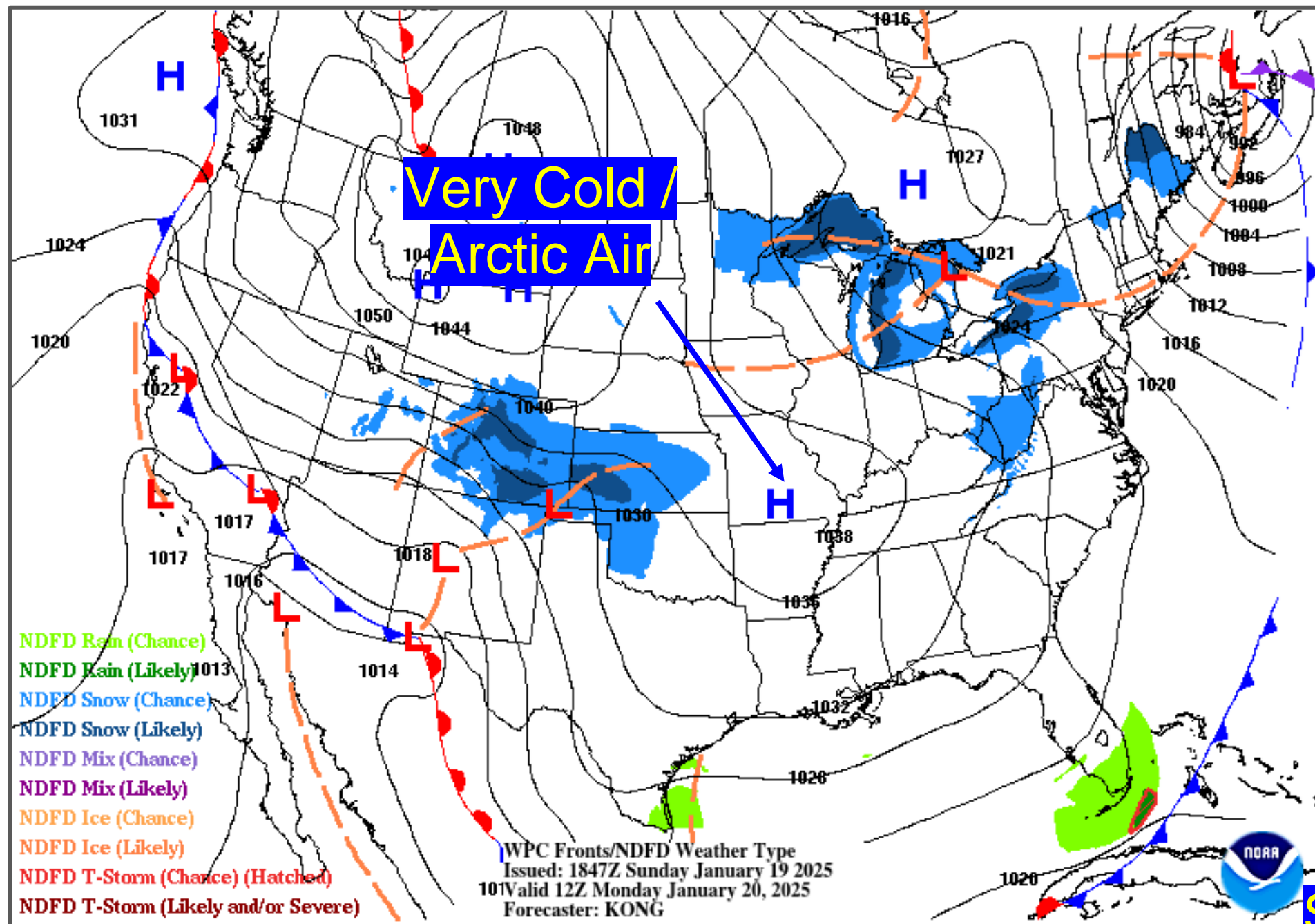


Weather Maps - Monday/Tuesday

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Monday's Weather Map

Tuesday Morning Weather Map



Storm System Developing in the Gulf



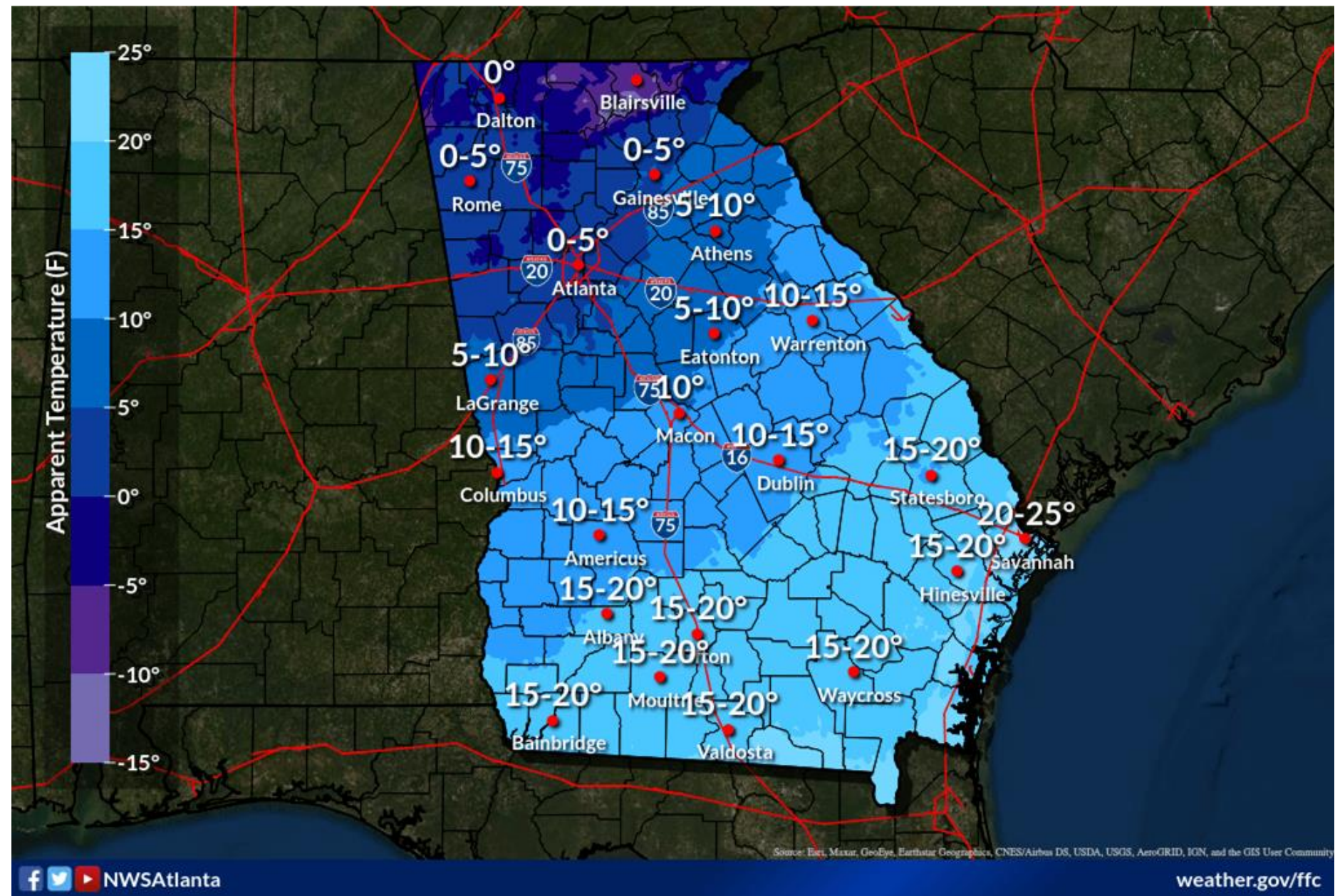
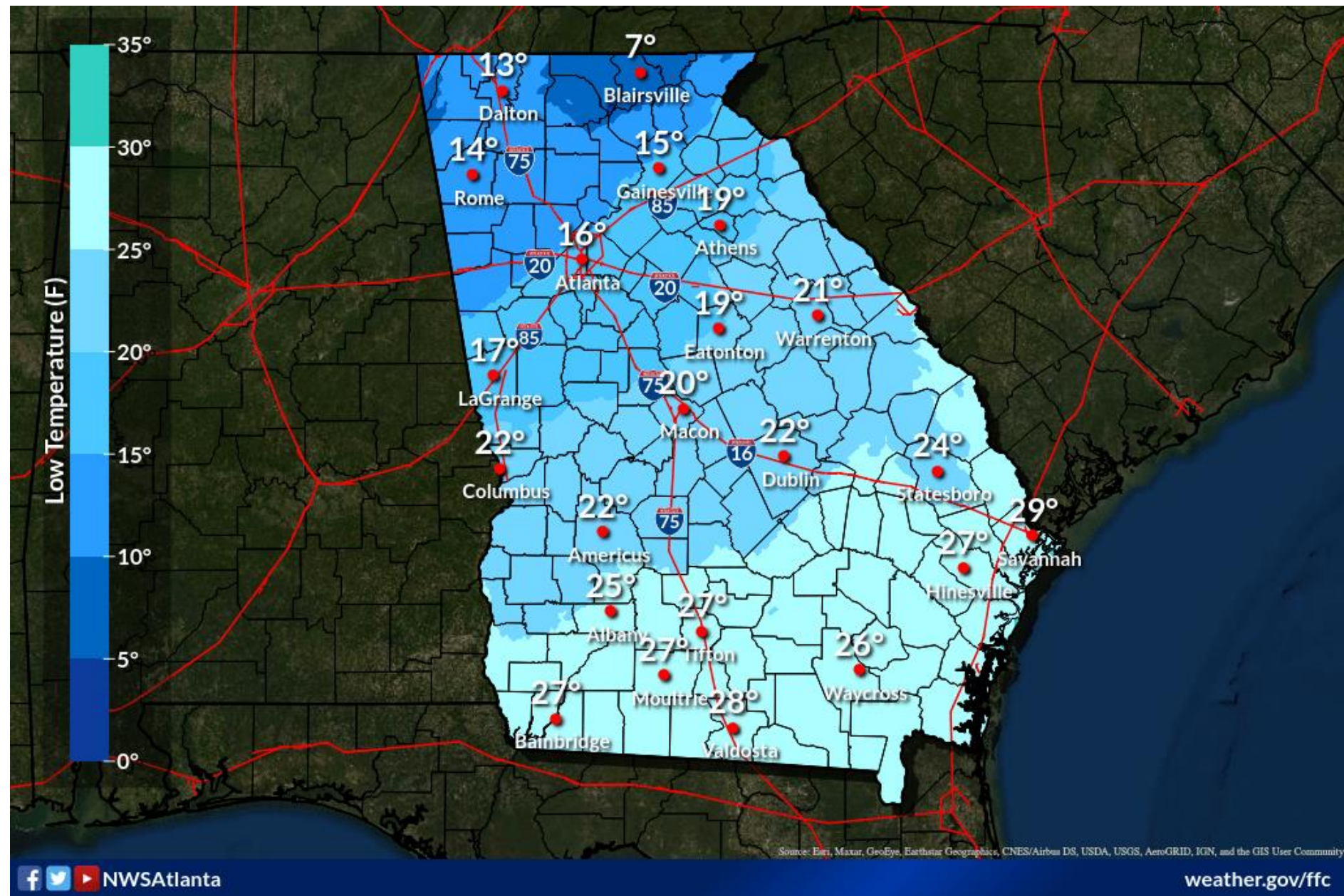
Bigger Story - COLD!!

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Dangerously Cold conditions expected Sunday night through Thursday (1/19-1/23)

Low Temperature Monday Morning

Wind Chill ("Feels Like" Temperature) Monday Morning





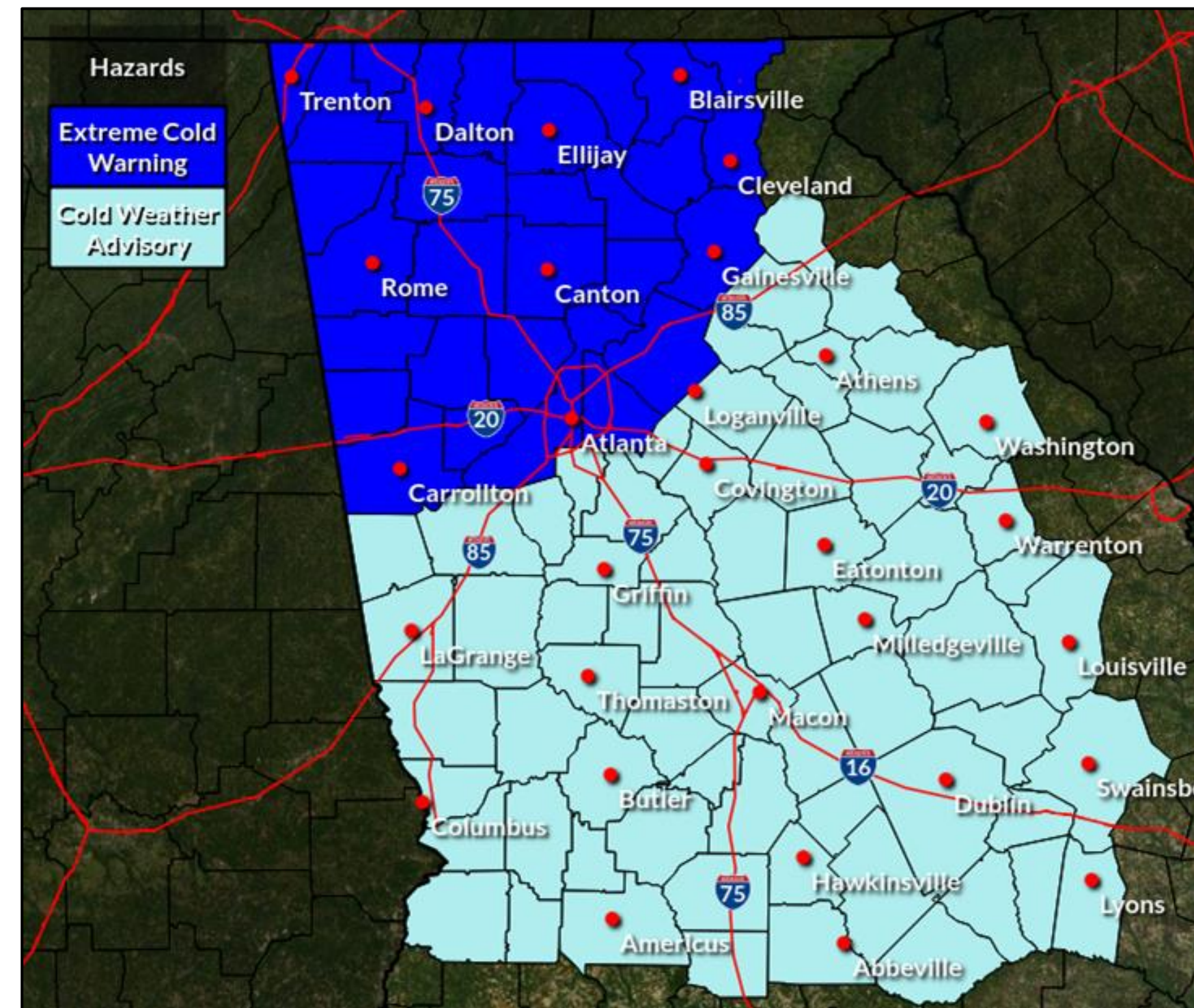
Extreme Cold Warning

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Dangerously cold conditions late Sunday night through Monday morning

- **High confidence in Wind Chill values at or below 0°F over the **Extreme Cold Warning Area****
- **In effect from 1 AM through 12 PM Monday.**
- **Cold Weather Advisory issued for the remainder of forecast area outside of the Extreme Cold Warning. Wind Chills from 15°F to the single digits are expected.**
- **Protect the 4 Ps**
 - **Pets**
 - **Pipes**
 - **Vulnerable Populations**
 - **Plants**

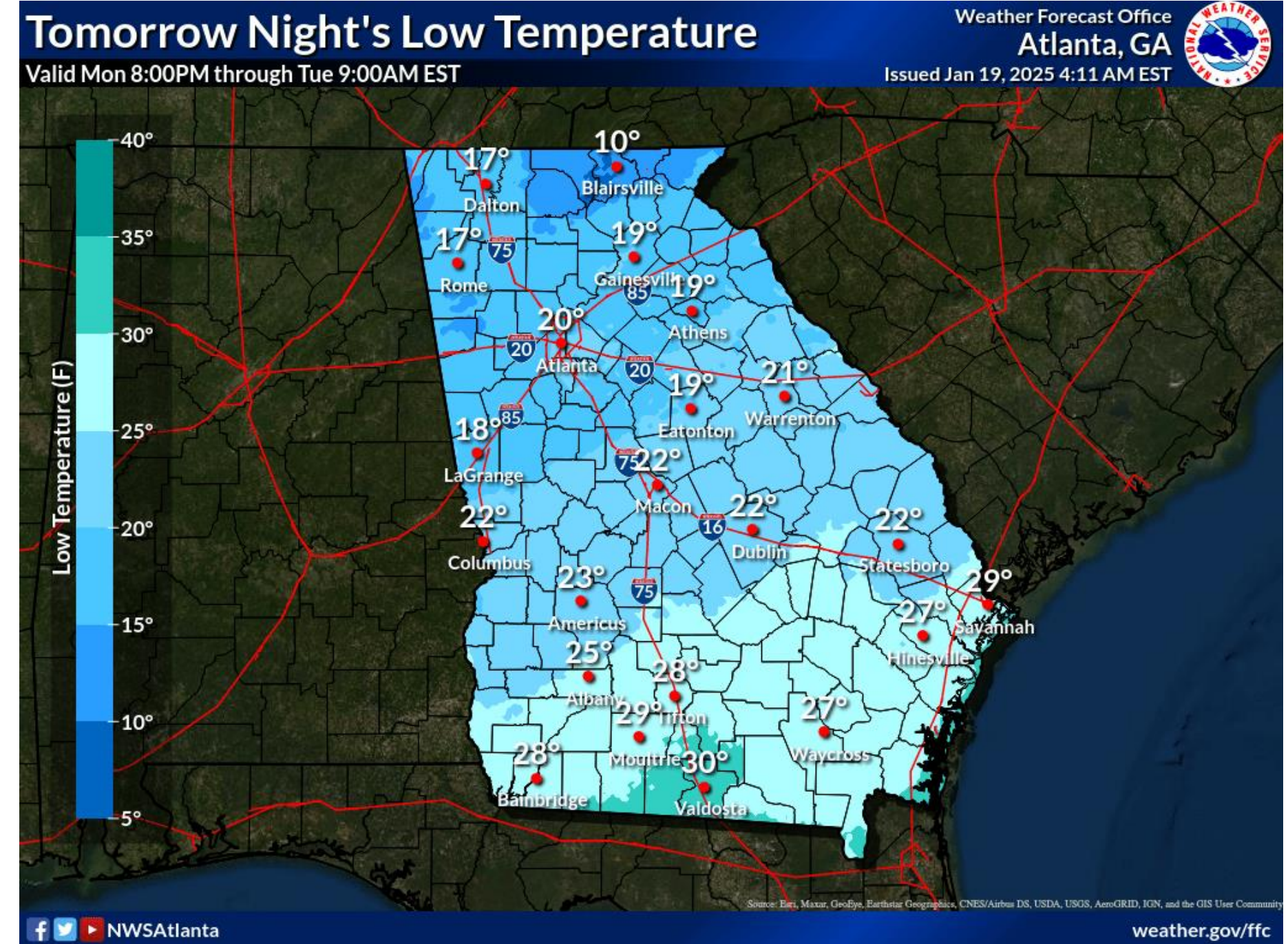
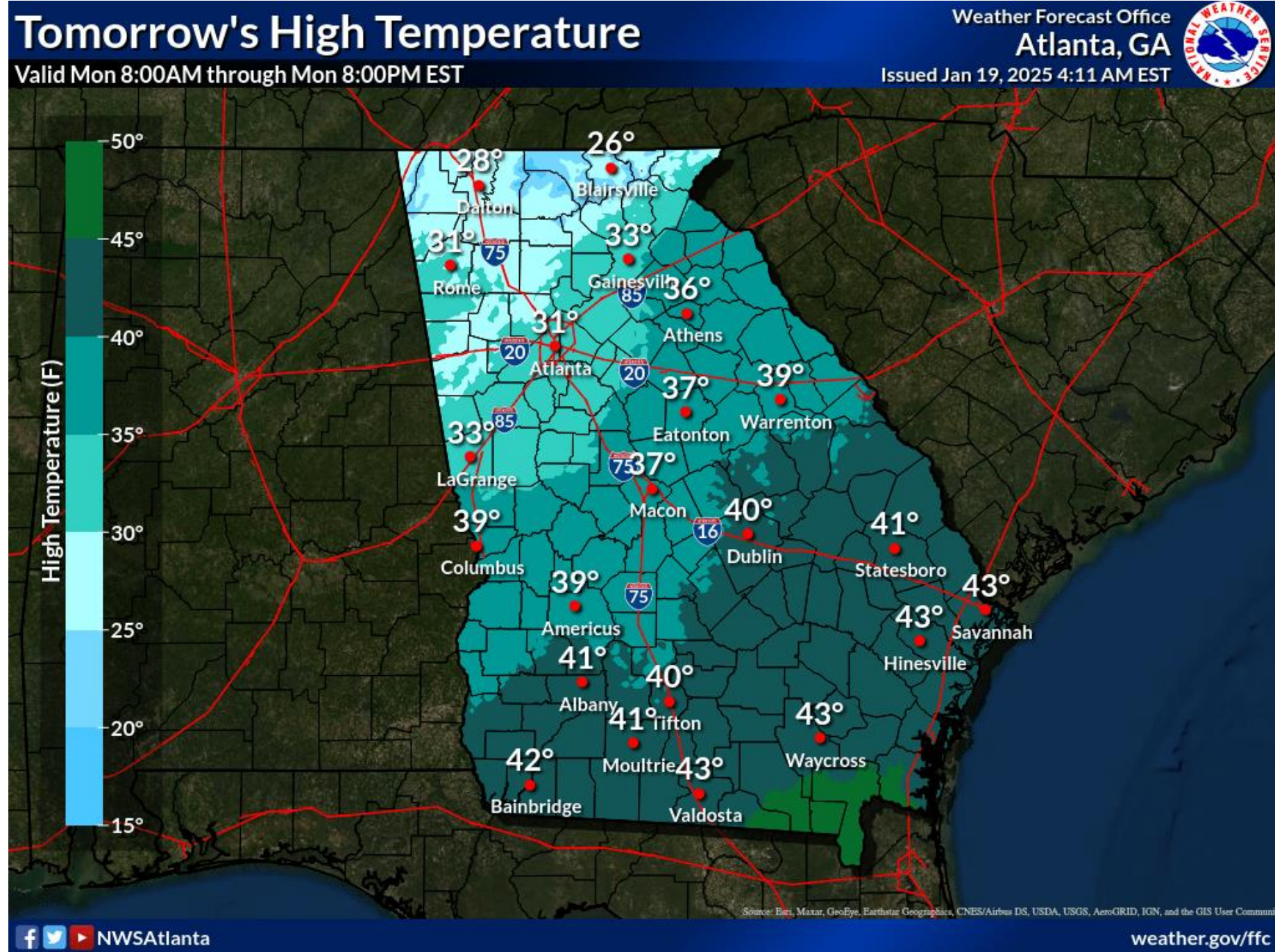




Bigger Story - COLD!!

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Bigger Story - COLD!!

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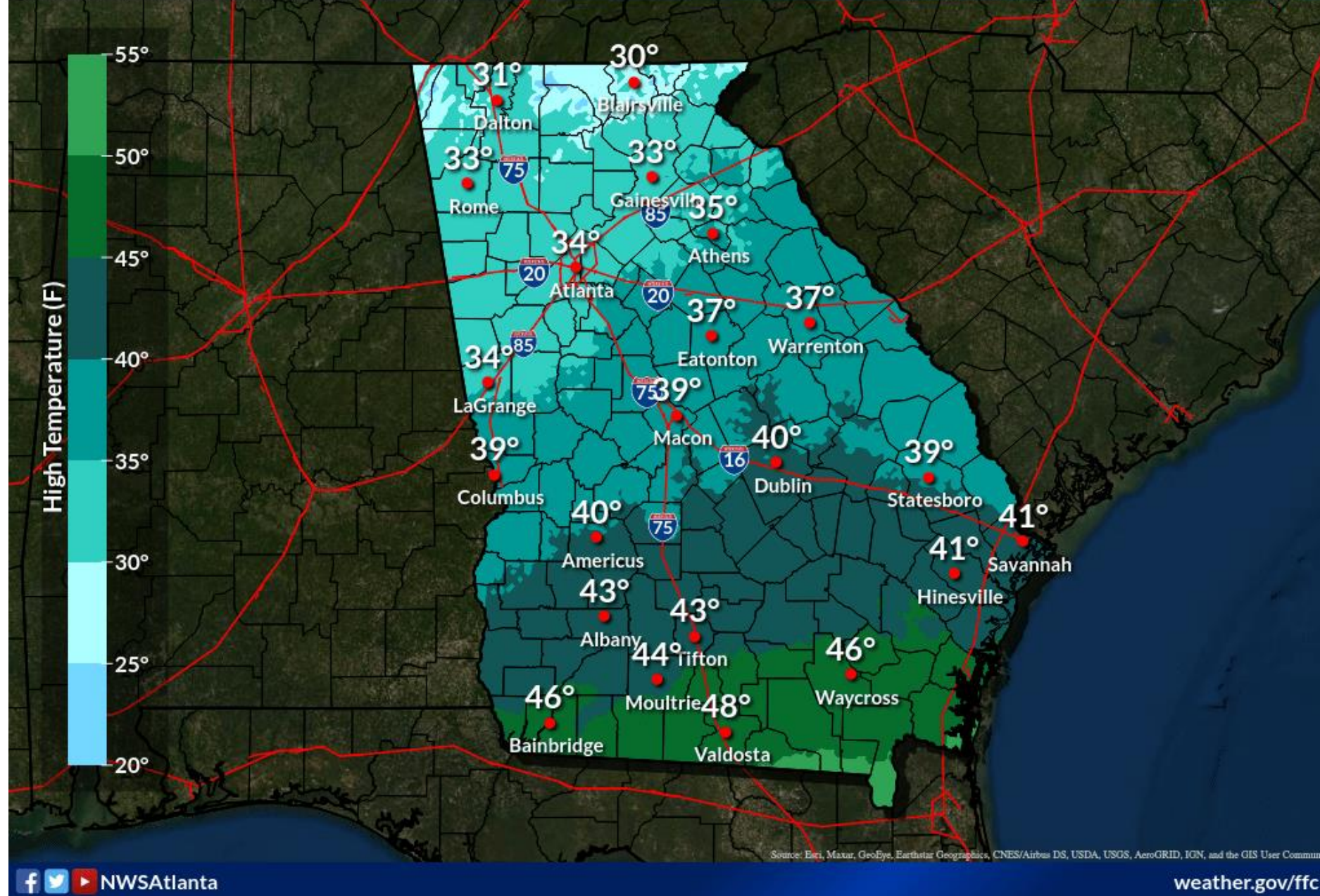
Dangerously Cold conditions expected Sunday night through Thursday (1/19-1/23)

High Temperature Tuesday

Valid Tue 8:00AM through Tue 8:00PM EST

Weather Forecast Office
Atlanta, GA

Issued Jan 19, 2025 4:11 AM EST

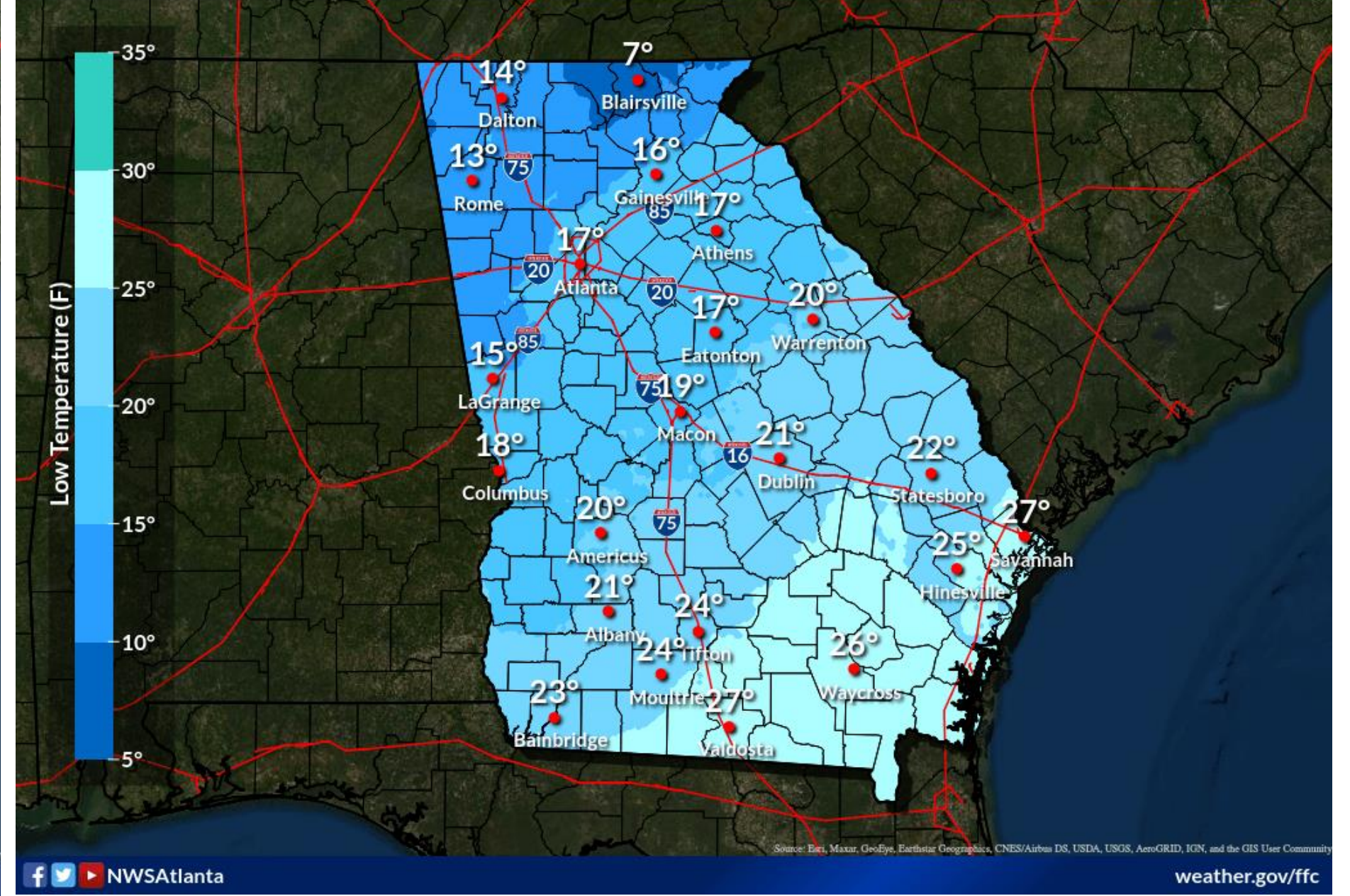


Low Temperature Tuesday Night

Valid Tue 8:00PM through Wed 9:00AM EST

Weather Forecast Office
Atlanta, GA

Issued Jan 19, 2025 4:11 AM EST



****Max Temps Tuesday may occur early - winter precip would “wet bulb” our temps lower as it falls**



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

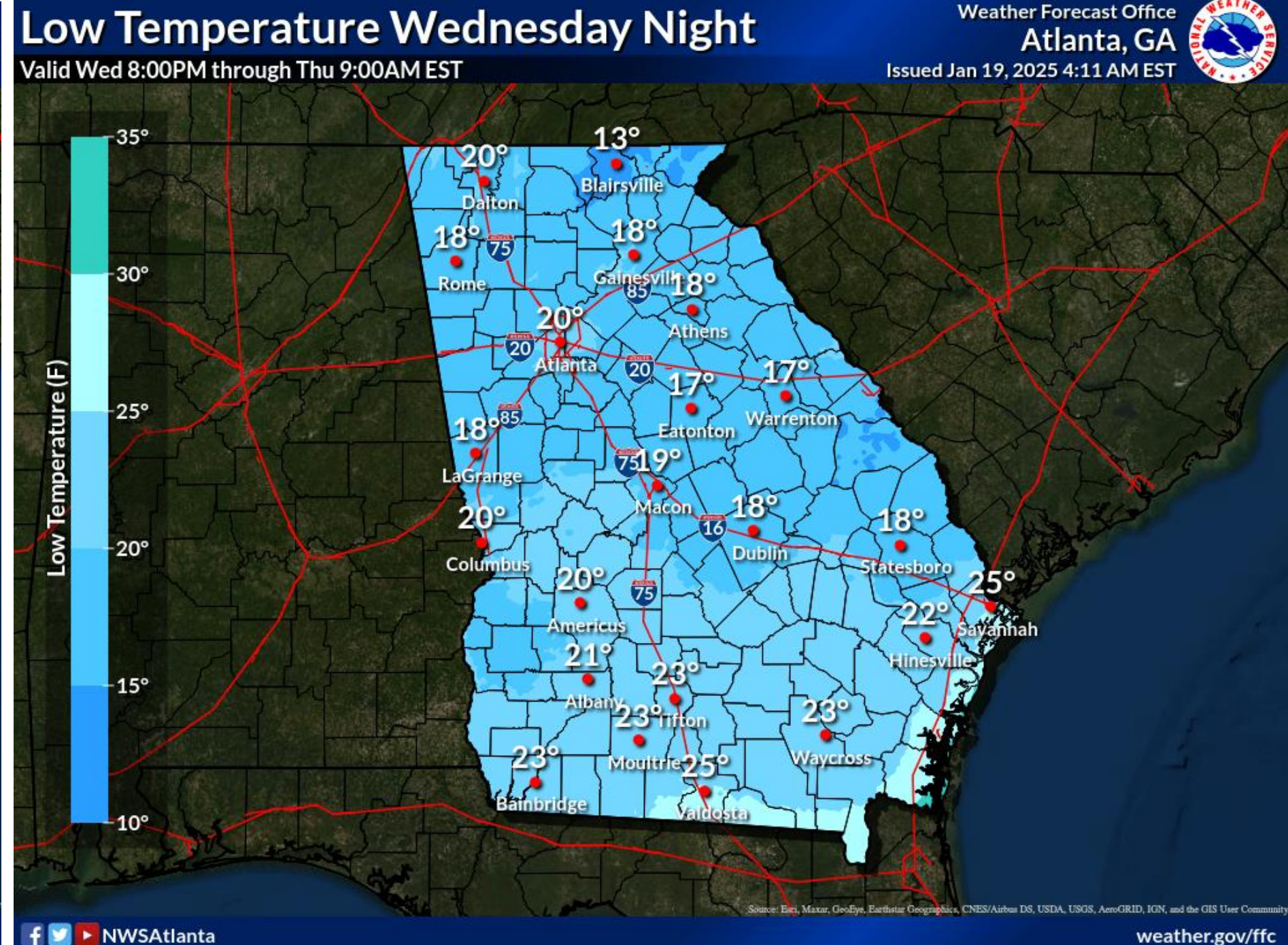
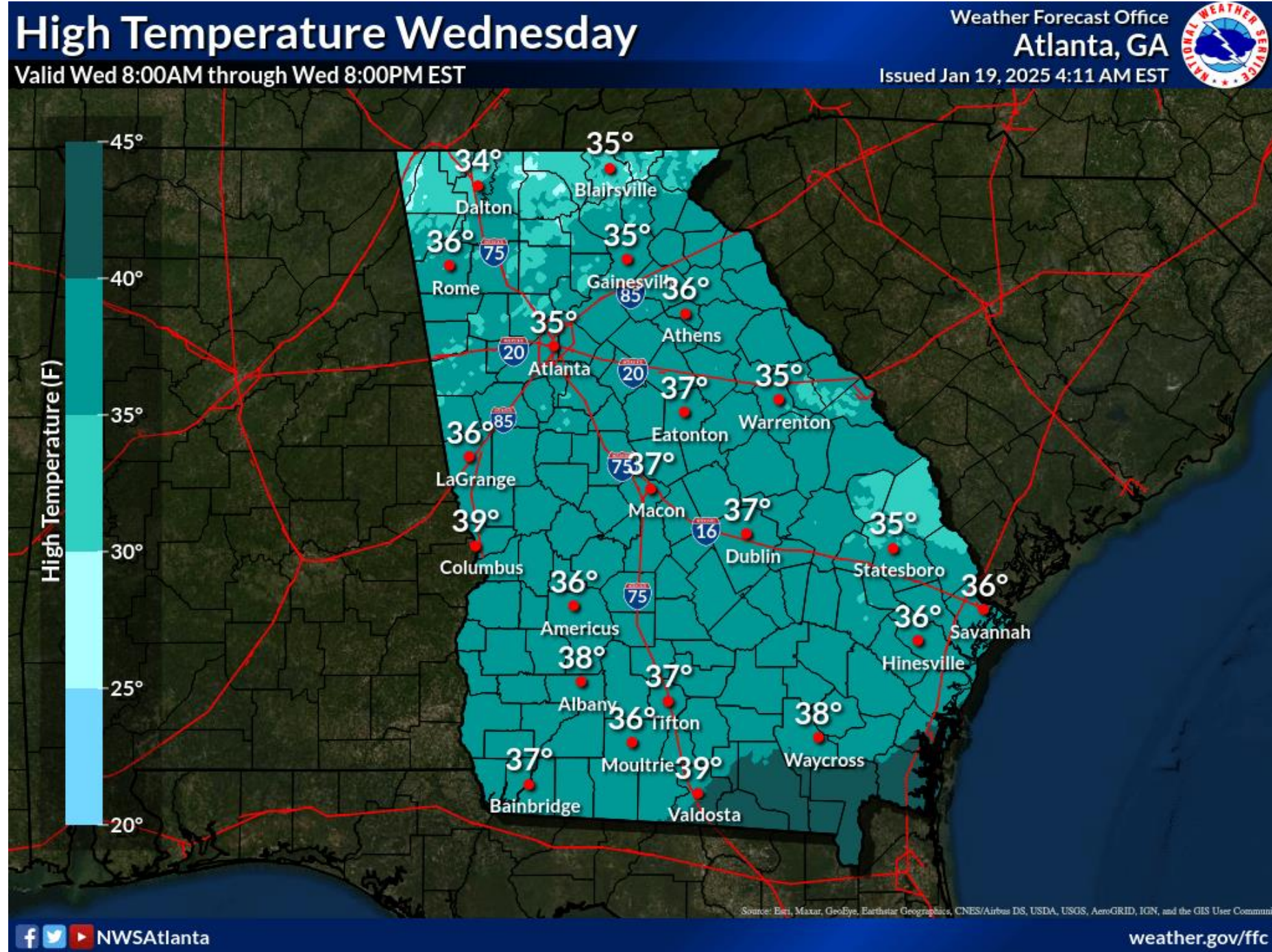
National Weather Service
Peachtree City, GA



Bigger Story - COLD!!

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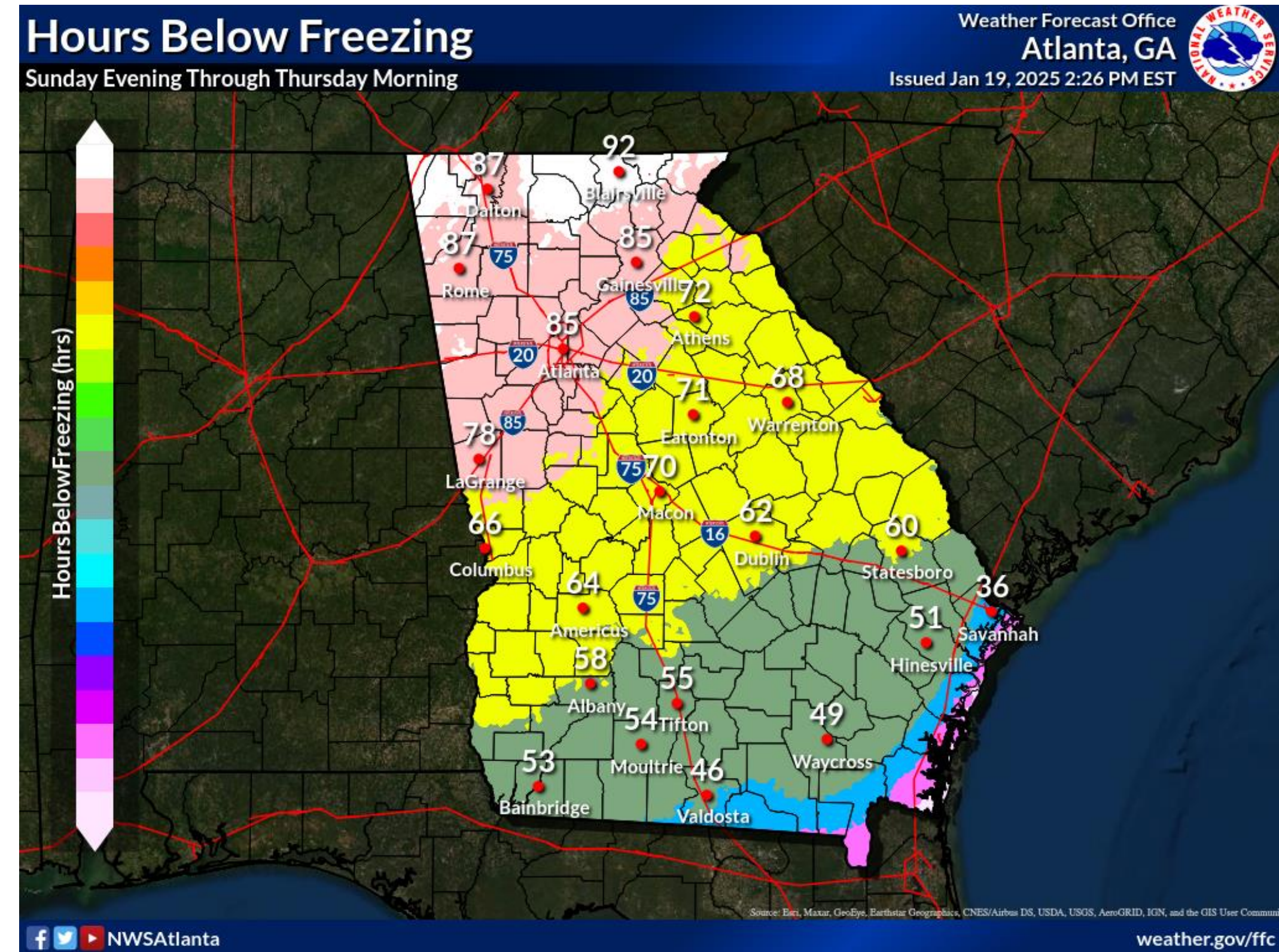
****Max Temps Wednesday could be colder than this IF wintry precip is falling or fell on Tuesday**



Big Story - COLD!!

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Potential # of HOURS Temps at or below 32F degrees (max >90)



- **Long duration cold event**
 - Past similar experiences show that problems begin after approximately 48 hours below freezing
 - Almost ALL of Georgia could exceed this 48 hour threshold
- **Protect the 4 Ps**
 - **Pets**
 - **Pipes**
 - **Vulnerable Populations**
 - **Plants**

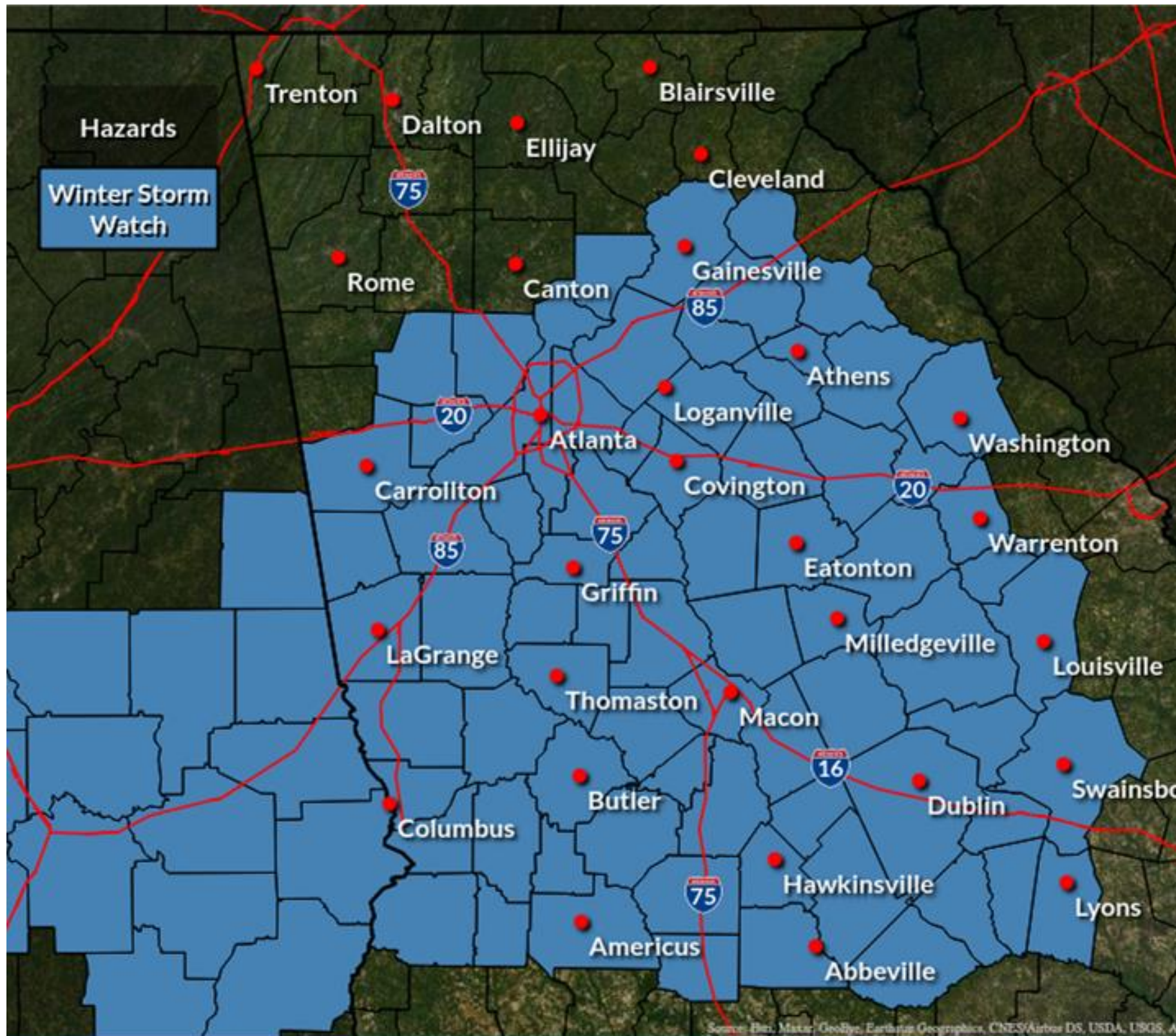


Winter Storm Watch

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In effect from 10 AM Tuesday through 7 AM Wednesday



- Roughly along and south of a line from Carroll to Hall county
 - Includes Atlanta Metro Area, Columbus, Macon, and Athens
- Periods of snow could become moderate to heavy at times, with total accumulations of **1-3 inches possible**.
- Light sleet and ice expected to be confined to far south-central Georgia late Tues PM/Wed AM.
 - Ice accumulations **< 0.1 inch**
- Plan on slippery, hazardous road conditions, which could impact the Tuesday evening and Wednesday morning/evening commutes.
- Stay tuned for updates as this event takes shape!

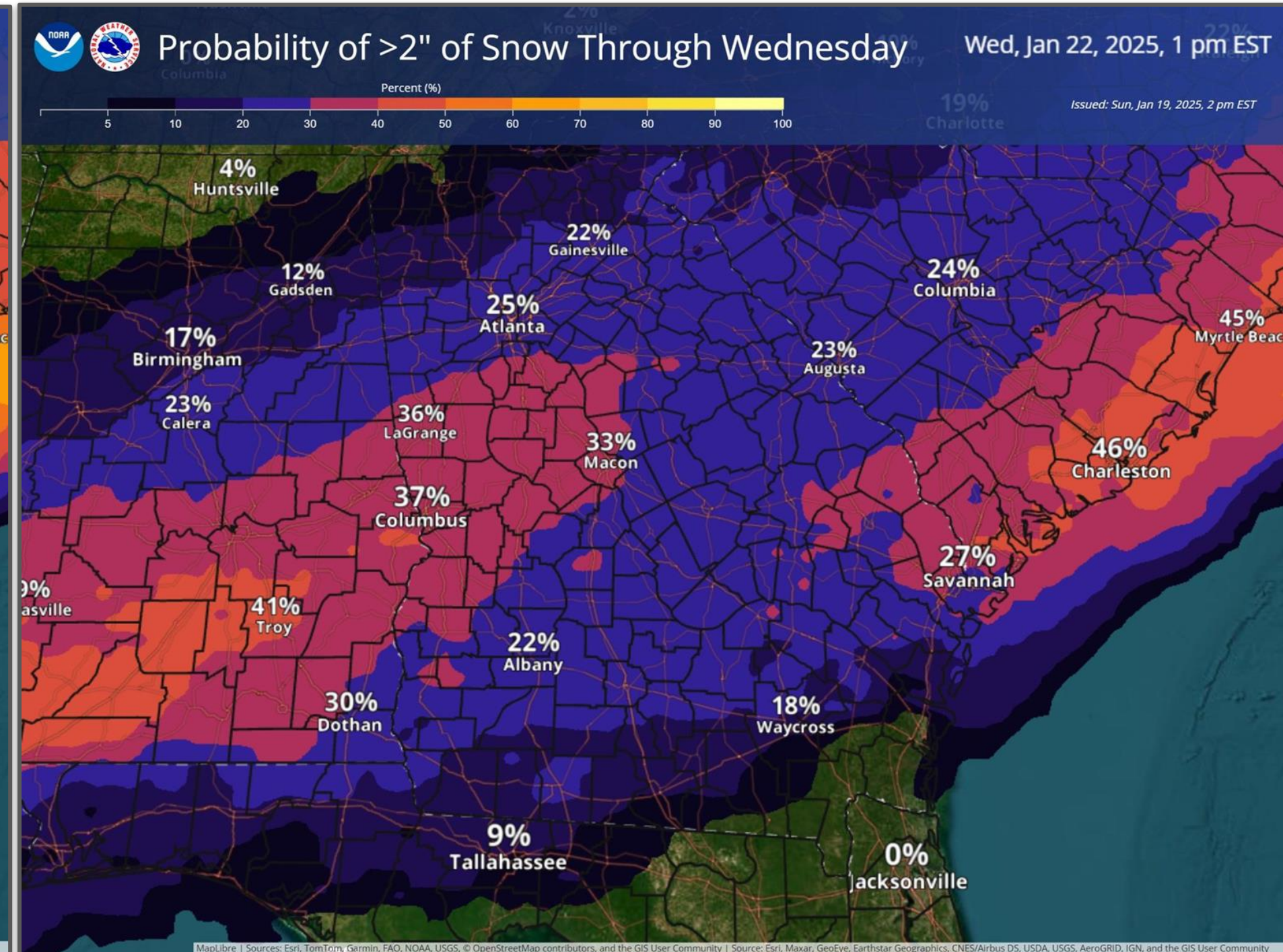
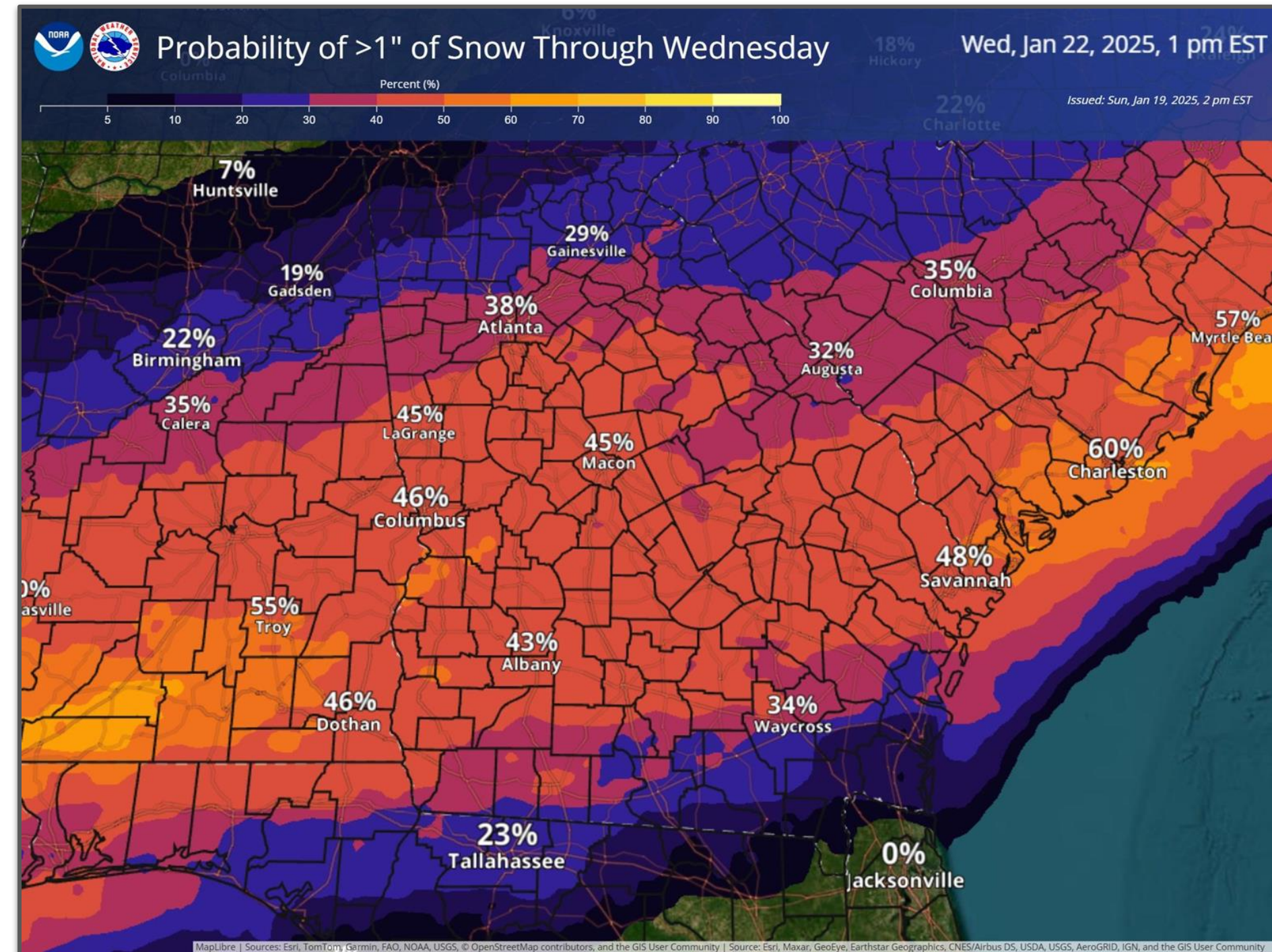




Snow Probabilities

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Through Wednesday Afternoon



Trends are towards slightly lower amounts - but ANY amounts will lead to impacts given temps



Potential Impacts from Snow

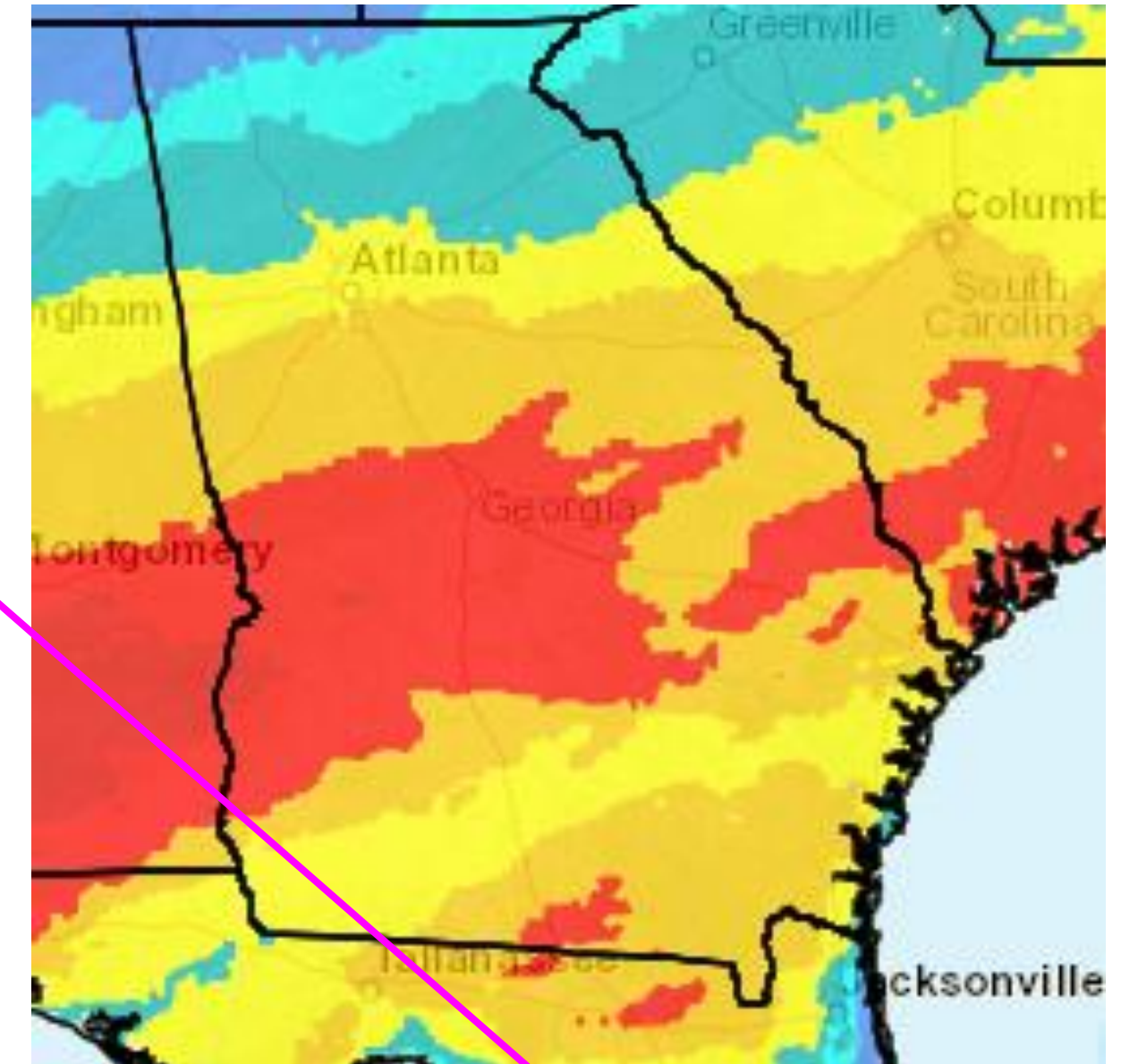
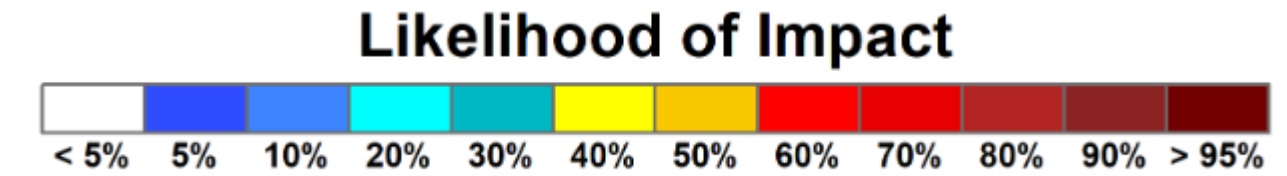
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https://www.wpc.ncep.noaa.gov/wwd/wssi/prob_wssi.php

- **Impacts to travel are expected from the metro and points south**

- **Cold temperatures** = impacts on roads shortly after onset...even with smaller amounts
- **Cold temps for days** = impacts may linger for several days **AFTER** it falls

Potential Winter Storm Impacts
Minor Impacts Expect a few inconveniences to daily life. • Winter driving conditions. Use caution while driving.
Moderate Impacts Expect disruptions to daily life. • Hazardous driving conditions. Use extra caution while driving. • Closures and disruptions to infrastructure may occur.
Major Impacts Expect considerable disruptions to daily life. • Dangerous or impossible driving conditions. Avoid travel if possible. • Widespread closures and disruptions to infrastructure may occur.
Extreme Impacts Expect substantial disruptions to daily life. • Extremely dangerous or impossible driving conditions. Travel is not advised. • Extensive and widespread closures and disruptions to infrastructure may occur. • Life-saving actions may be needed.



Likelihood of Minor Impacts from WPC WSSI

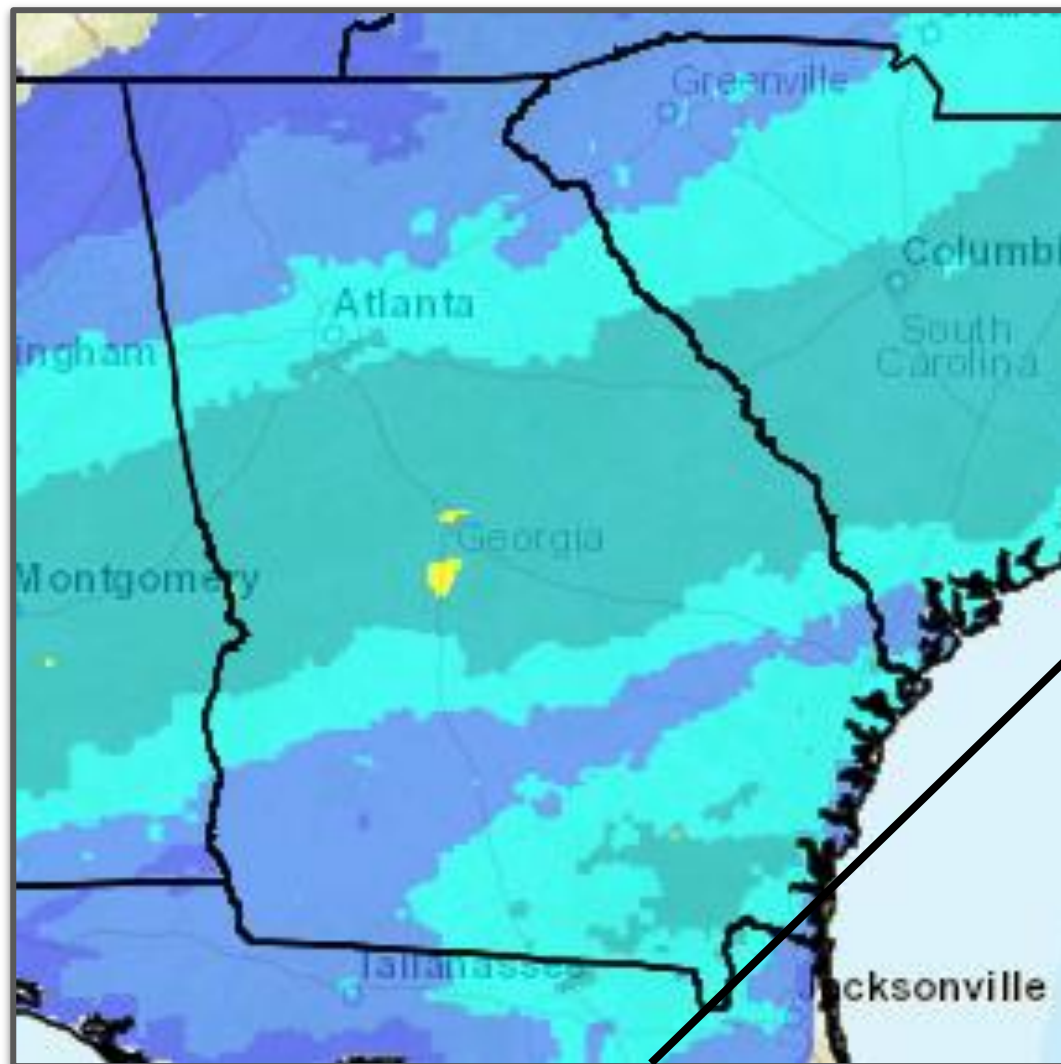


Wintry Precipitation Potential

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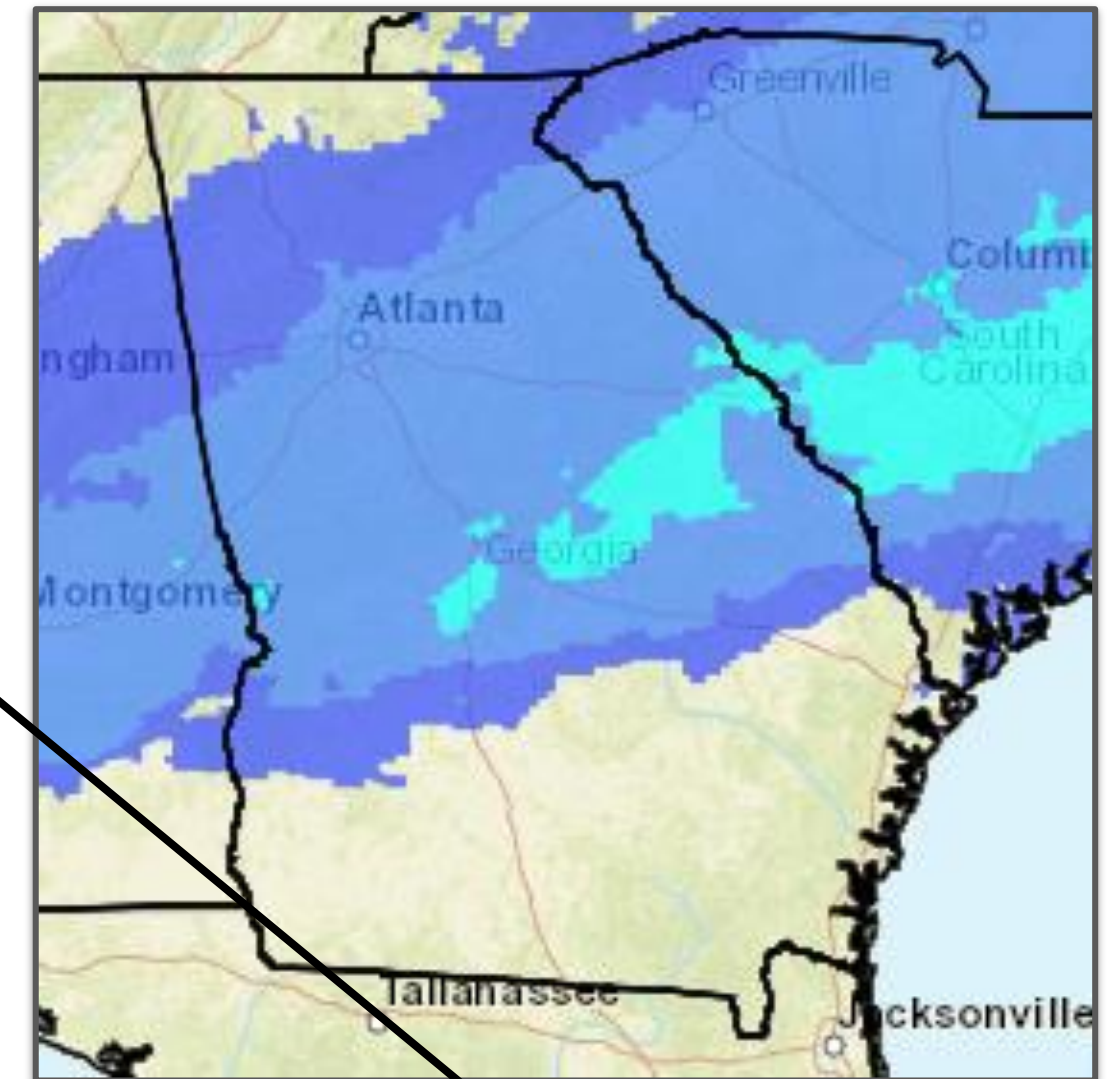
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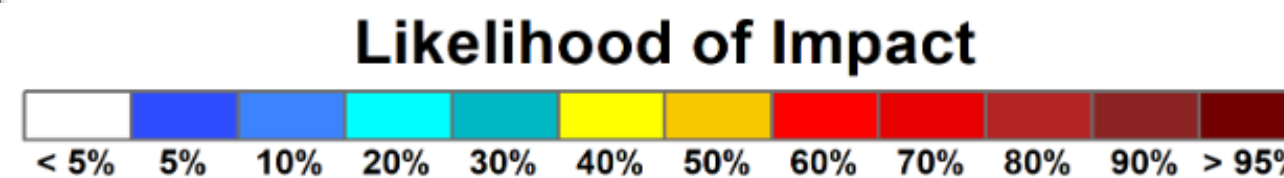


Likelihood of **Moderate** Impacts from WPC WSSI

Potential Winter Storm Impacts
Minor Impacts Expect a few inconveniences to daily life. <ul style="list-style-type: none"> • Winter driving conditions. Use caution while driving.
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Likelihood of **Major** Impacts from WPC WSSI

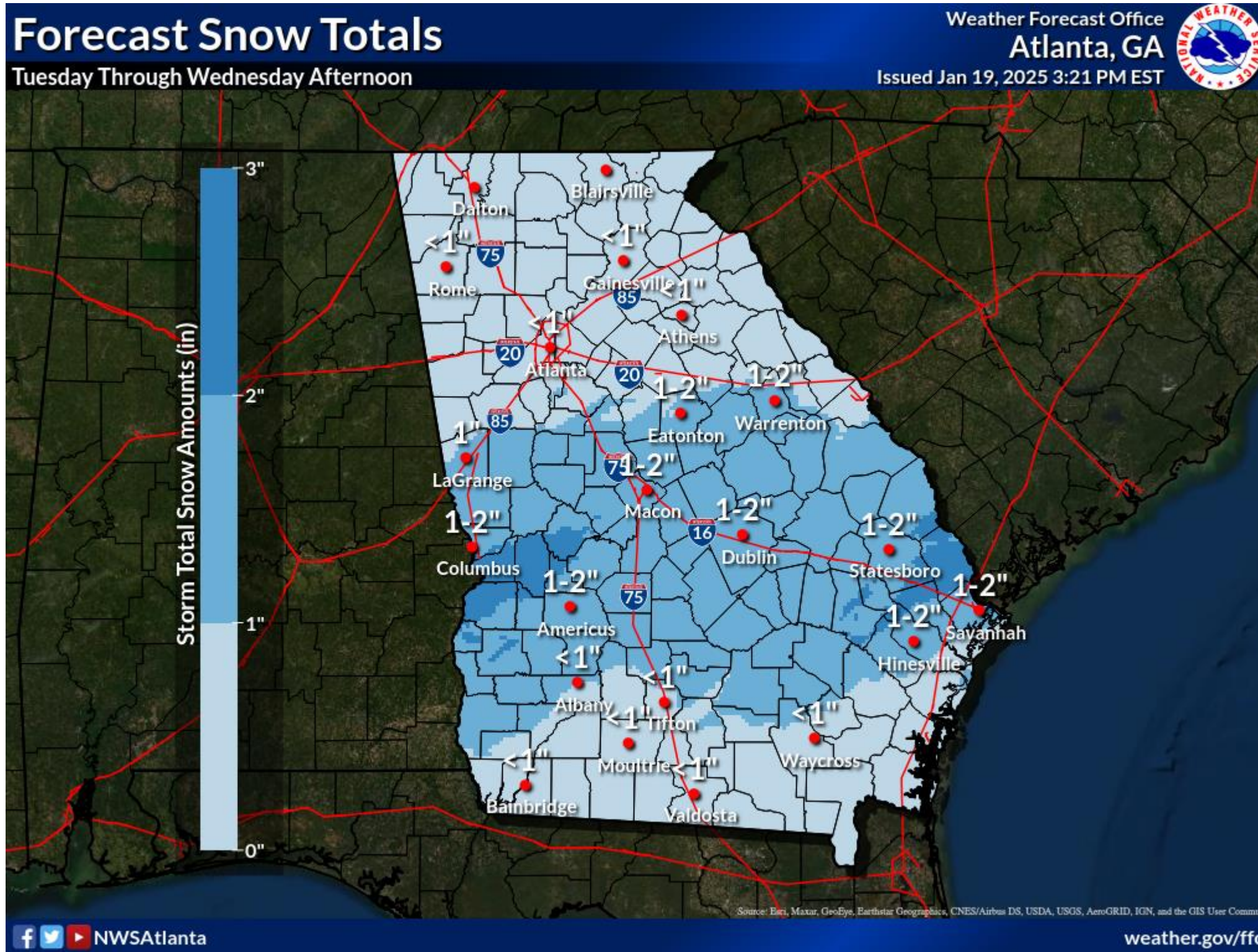




Current Forecast Snow Totals

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From Tuesday into Wednesday Morning





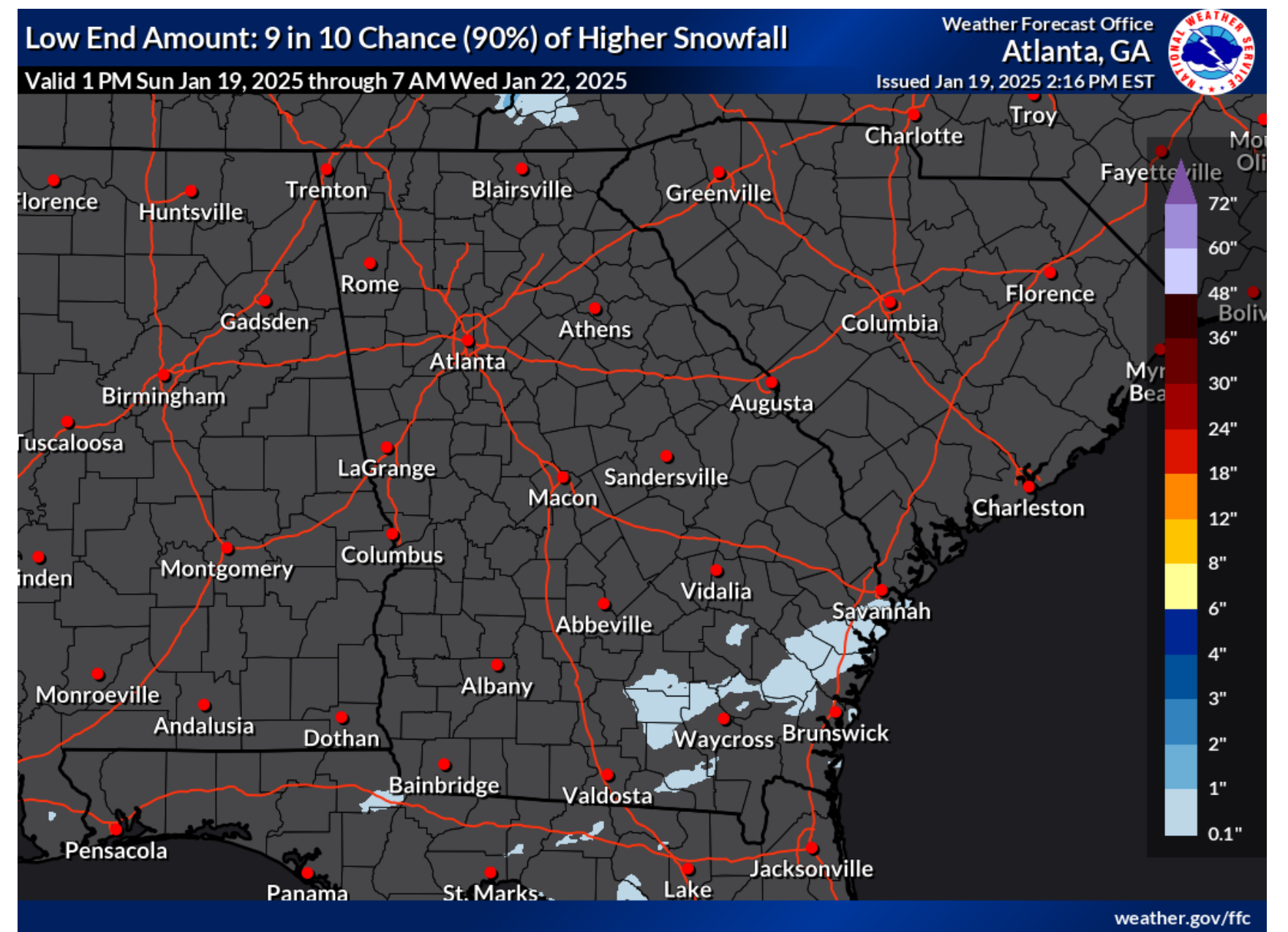
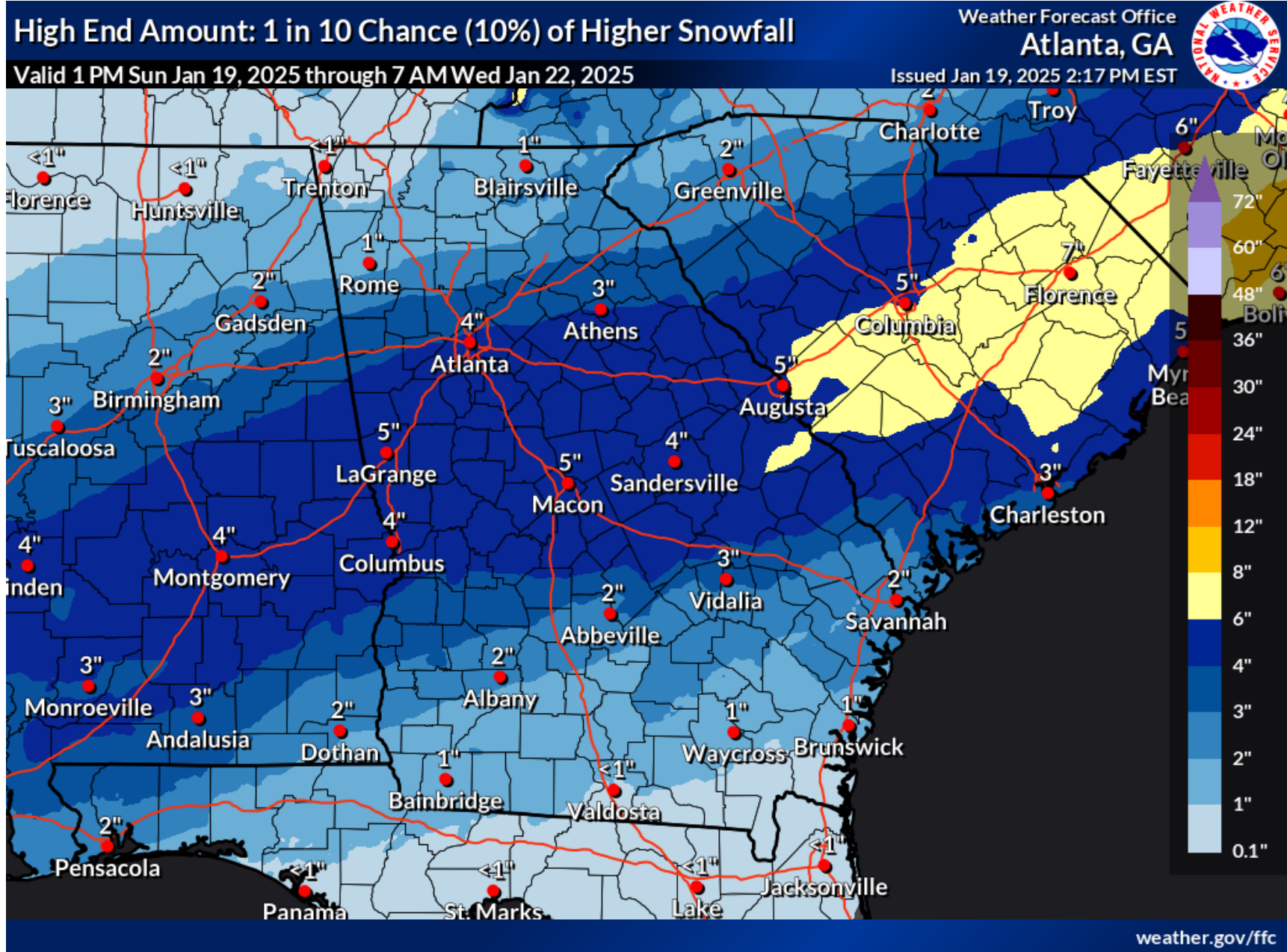
High-end / Low-end Snow Potential

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Tuesday Snowfall - Boom / Bust Potential Remains

Reasonable Worst Case: 10% of seeing this much or more

Best case? 10% chance of seeing nothing still!



This event has a higher ceiling due to the dynamics in play for snow in the first place. It also means that there is the real possibility of seeing NOTHING at all (*although that chance is decreasing*)

Source: NBM snow probabilities

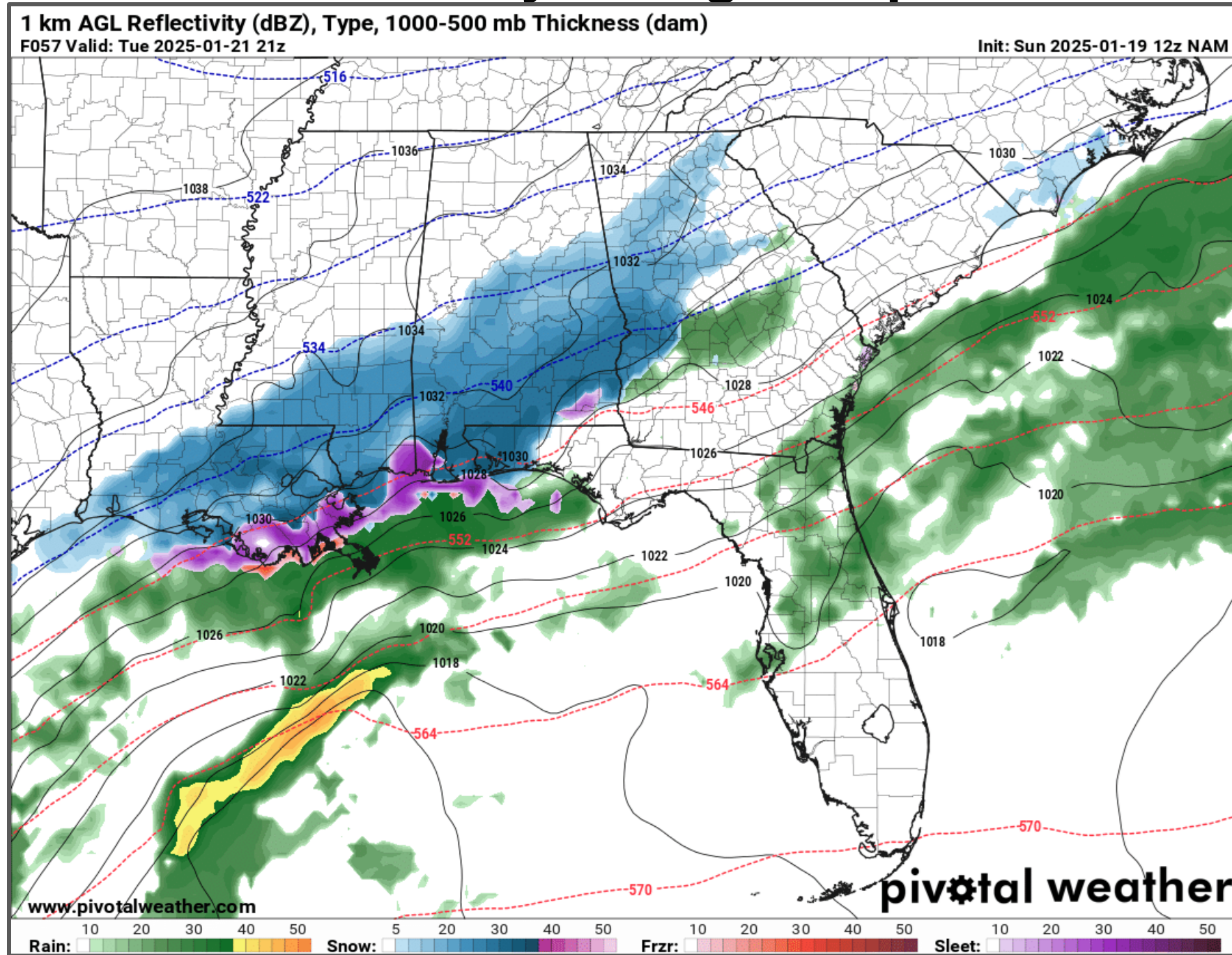


Winter Precip Timing

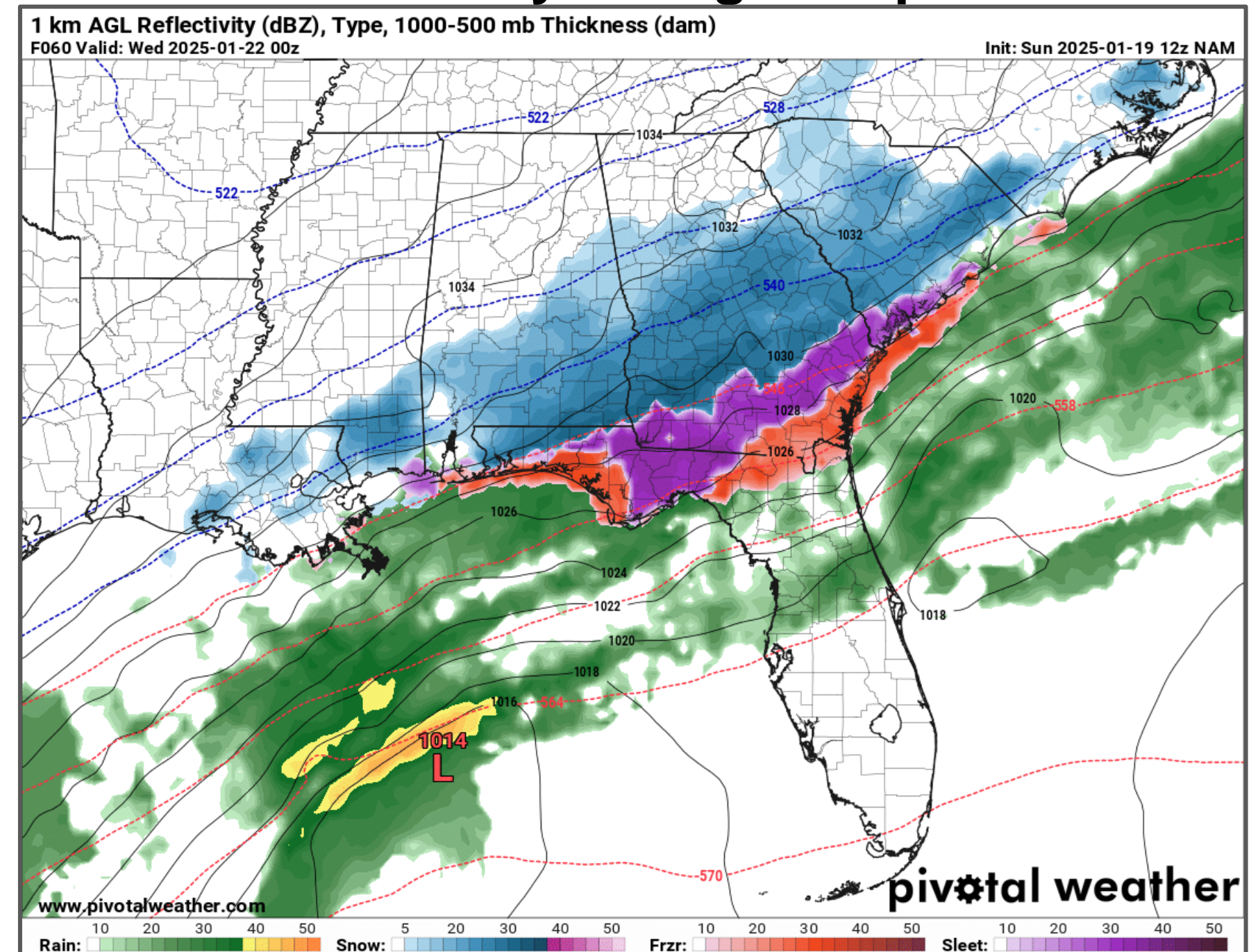
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This is only ONE model. Snow may begin in western GA between 10am and noon.

4 PM Tuesday - Image snapshot



7 PM Tuesday - Image snapshot



Southward shift compared to yesterday which keeps heavier snow in central/south GA





Main Points / Headlines

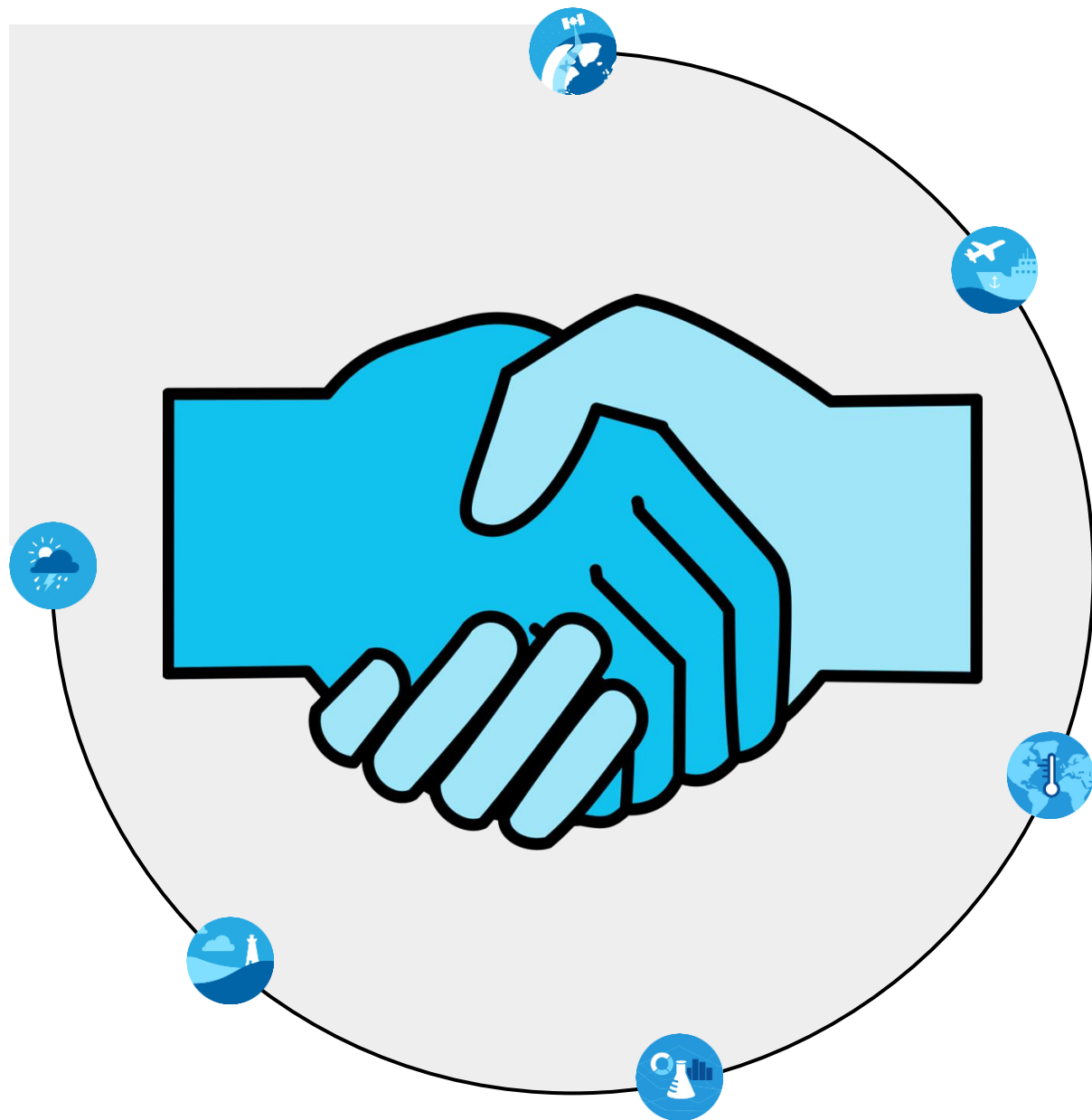
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Additional Briefings?

YES NO

Contact Information & Reporting

Phone: 770-486-1133

Email: sr-ffc.mets@noaa.gov

NWS Chat: For EMs, Media & Approved Partners

Reporting Hotline: 866-763-4466 (Voicemail if busy)

NWS Atlanta Winter Page: www.weather.gov/ffc/winter