



NATIONAL WEATHER SERVICE
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION

New Cold-Season Watch/Warning/Advisories for Unusual or Extreme Cold



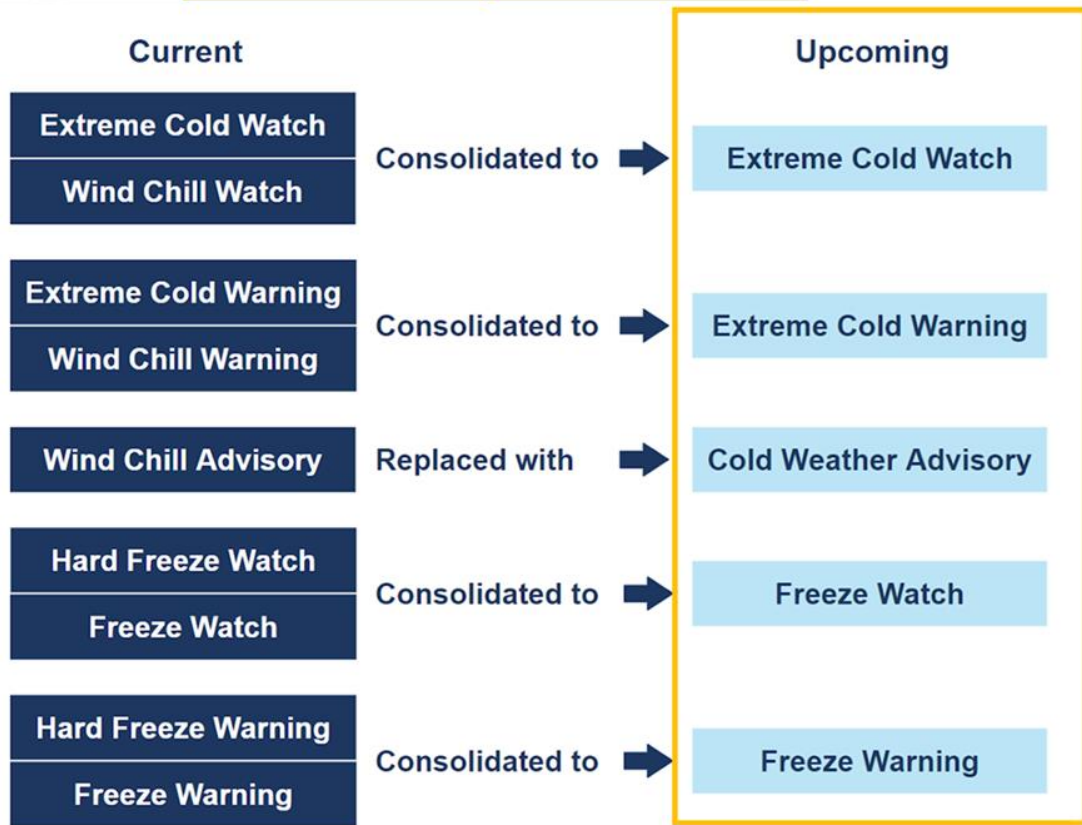
Disclaimer / Important Notes for North & Central GA Forecast Area

- **NWS Peachtree City/Atlanta does not issue Freeze Watches/Warnings between November 20th and late March/early April (non-growing season)**
- **New cold-season “consolidation” products taken from climatology and better represents unusual or extreme cold weather that poses a more significant threat to life**



New - Cold Weather Products

Overview of Changes: Winter 2024-25

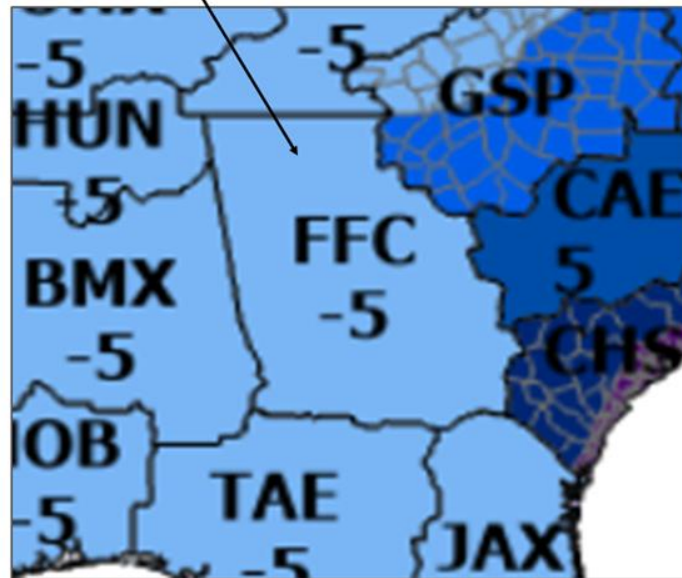
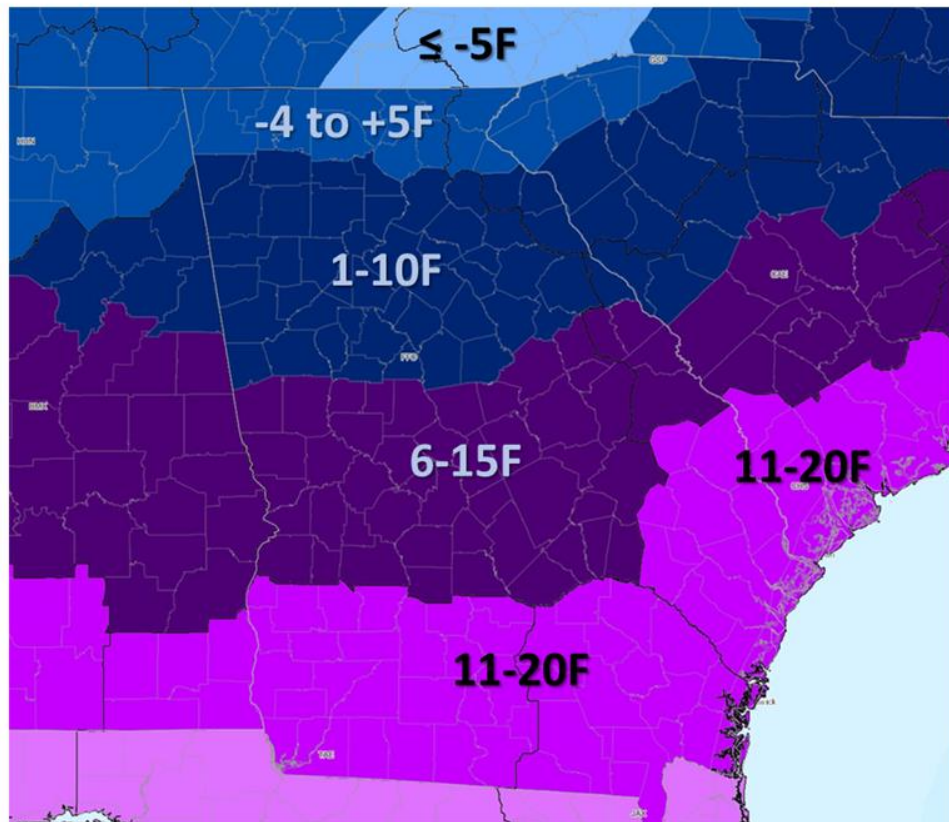


- **Purpose for Change:** to better address & message COLD (with or without wind). Better utilizes climatology (historical data)
- **New Products (Cold Weather Advisory / Extreme Cold Watch and Warning)** are replacing legacy “Wind Chill” products
- **New products will factor in wind chill values AND/OR actual air temperatures**
 - Old products used ONLY Wind Chill values (combination of air temps + wind)



Cold Weather Advisory (replaces Wind Chill Advisory)

New Criteria/Guidance: Winter 2024-25

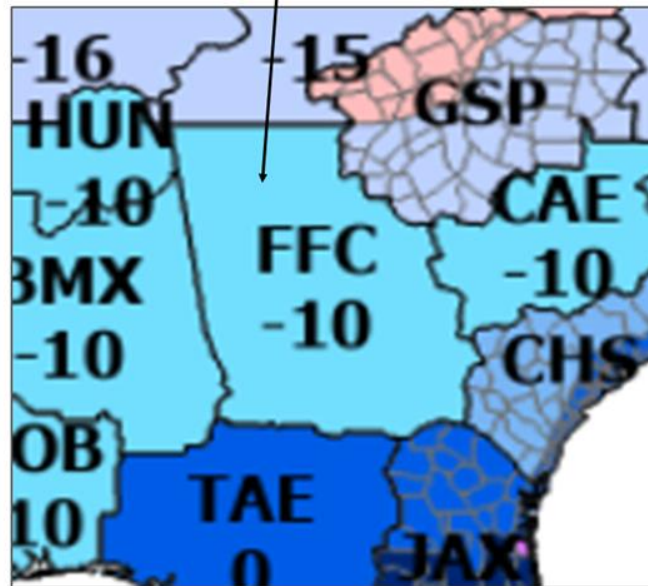
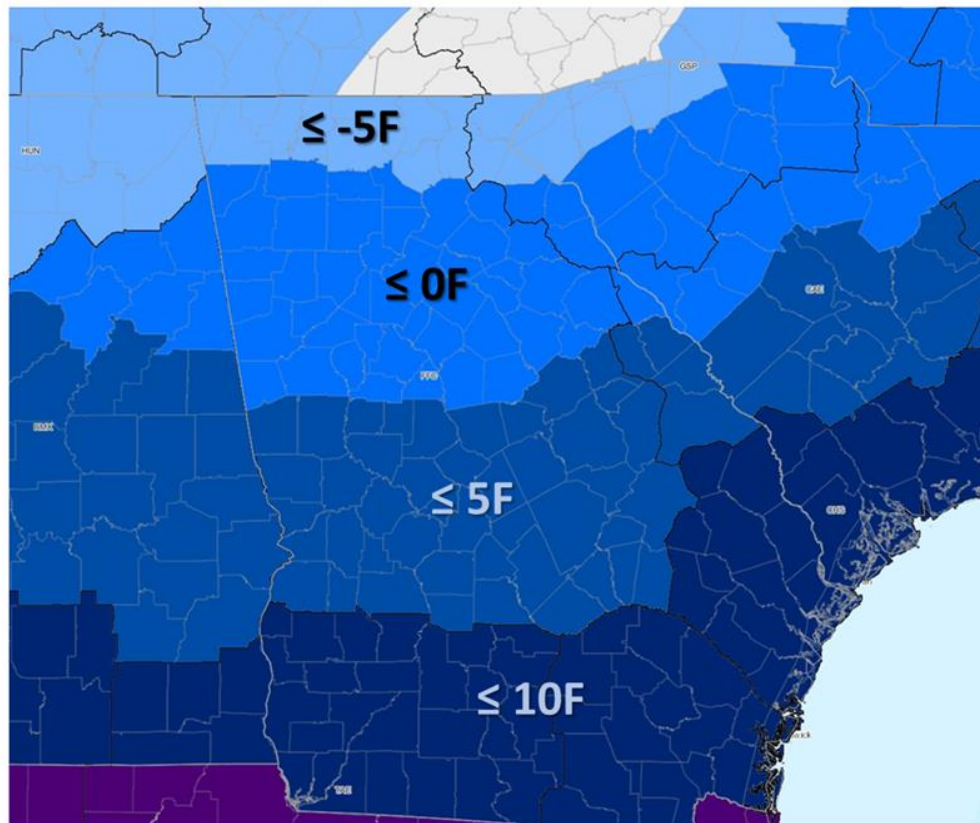


FFC + surrounding NWS Offices
Old criteria/guidance for Wind Chill
Advisories (incorporated wind chill
values only)



Extreme Cold Watch/Warning (replaces Wind Chill Warning)

New Criteria/Guidance: Winter 2024-25



FFC + surrounding NWS Offices
Old criteria/guidance for Wind Chill
Warnings (incorporated wind chill
values only)



Forecast Tools & Resources

- **NWS Atlanta Local Decision Support Page**
 - Review resources (sections and tabs) on page + cold / winter pages
 - ForecastPoints page (planning)
 - Briefing section
- **Review Winter Page (probabilistic info)**
 - New graphics (zoomed-in maps for snow)
 - Probabilistic info for Ice (internal)
- **“Cold” weather/temperature page (zoomed-in maps) – probabilistic info**



NWS Atlanta Forecast Tools (Local Decision Support Page)

www.weather.gov/ffc/dss



Decision Support Page (North and Central GA)
[Weather.gov](#) > [Peachtree City, GA](#) > Decision Support Page (North and Central GA)
Peachtree City, GA
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

NWS Atlanta Decision Support Services

Immediate (24/7) Support
NWS Atlanta Operations:
770-282-2920 extension 4

NWSChat 2.0 [Slack] Interface:
Main Channel: #wfo-peachtree-city-ga
invite only/must register

[f NWS Atlanta](#) [@NWSAtlanta](#)

Forecast Options (Choose Location)

- [Hourly/Daily \(Point\) Forecast](#) **updated daily**
- [Site-specific \(SPOT\) Forecast Request](#)
- [NWS Radar](#)
- [Fire Weather Dashboard](#)
- [Cold Forecasts \(Atlanta metro\)](#) **Experimental**
- [Cold Forecasts \(Macon Area\)](#) **Experimental**
- [Cold Forecasts \(Athens Area\)](#) **Experimental**

Briefings

No briefings are currently available.
Please try again later

[Severe Weather](#) [Heavy Rain](#) [Tropical](#) [Fire Weather](#) [Winter Weather](#) [Heat](#)

Severe Weather Outlooks and Discussions (SPC)

Day 1
Severe Weather Outlook and Discussions (SPC)
Georgia Radar

Day 2
Severe Weather Outlook and Discussions (SPC)
Georgia Radar

Day 3
Severe Weather Outlook and Discussions (SPC)
Georgia Radar

Mesoscale Discussion
No Mesoscale Discussions in Effect

SPC Activity Chart
No Organized Severe Thunderstorms Forecast

SPC Mesoanalysis Chart
Click on image for detailed severe weather parameters sectorized across the country.

1-hour radar loop, Day 1 Convective Outlook & all active watches.

Click on image for detailed severe weather parameters sectorized across the country.



Local Graphics (Temperatures)

NWS Atlanta Decision Support Services

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Welcome to the Experimental NWS Atlanta/Peachtree City Cold Temperature Decision Support Page for the Atlanta Metro Area! These forecasts will update approximately twice a day (3 pm and 4 am), but may update more frequently during high impact events. For any questions regarding these images, please do not hesitate to contact us for further information.

Hover over links below to view larger image.

Min Temp Forecast
Prob. Min Temp ≤ 36
Prob. Min Temp ≤ 32
Prob. Min Temp ≤ 28

[Tonight](#)
[Tonight](#)
[Tonight](#)

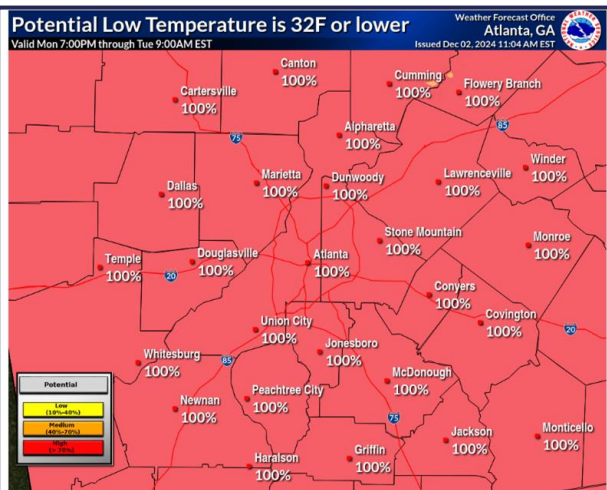
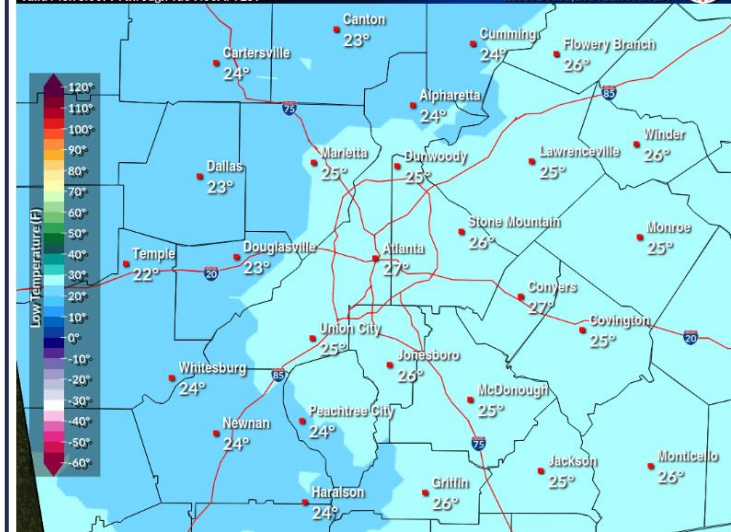
[Tomorrow Night](#)
[Tomorrow Night](#)
[Tomorrow Night](#)

[Day3](#)
[Day3](#)
[Day3](#)

Low Temperature

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

Weather Forecast Office
Atlanta, GA
Issued Dec 02, 2024 11:06 AM EST



- Forecast goes out 3 nights
- Currently displayed for ATL, Macon, and Athens (looking to expand)
- Thresholds set for 36F, 32F, and 28F but can be adjusted



Local Graphics (Temperatures)

NWS Atlanta Decision Support Services

Immediate (24/7) Support

NWS Atlanta Operations:
770-282-2920 extension 4

NWSChat 2.0 [Slack] Interface:

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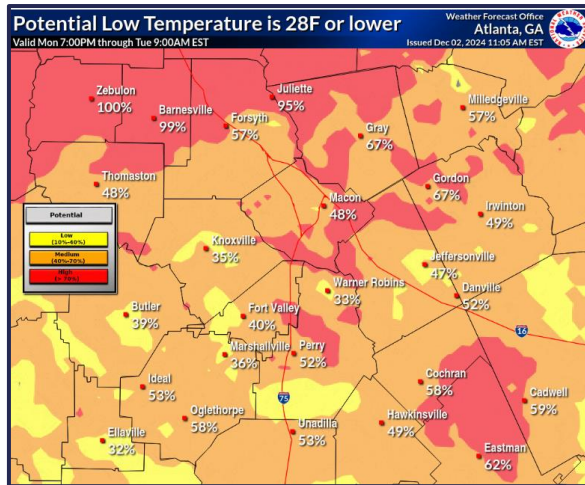
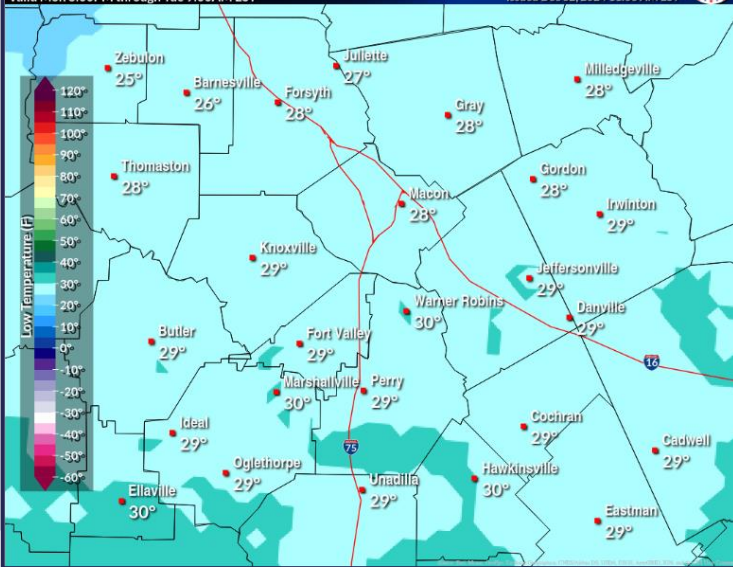
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[Tomorrow Night](#)

[Day3](#)
[Day3](#)
[Day3](#)

Low Temperature

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Weather Forecast Office
Atlanta, GA
Issued Dec 02, 2024 11:06 AM EST

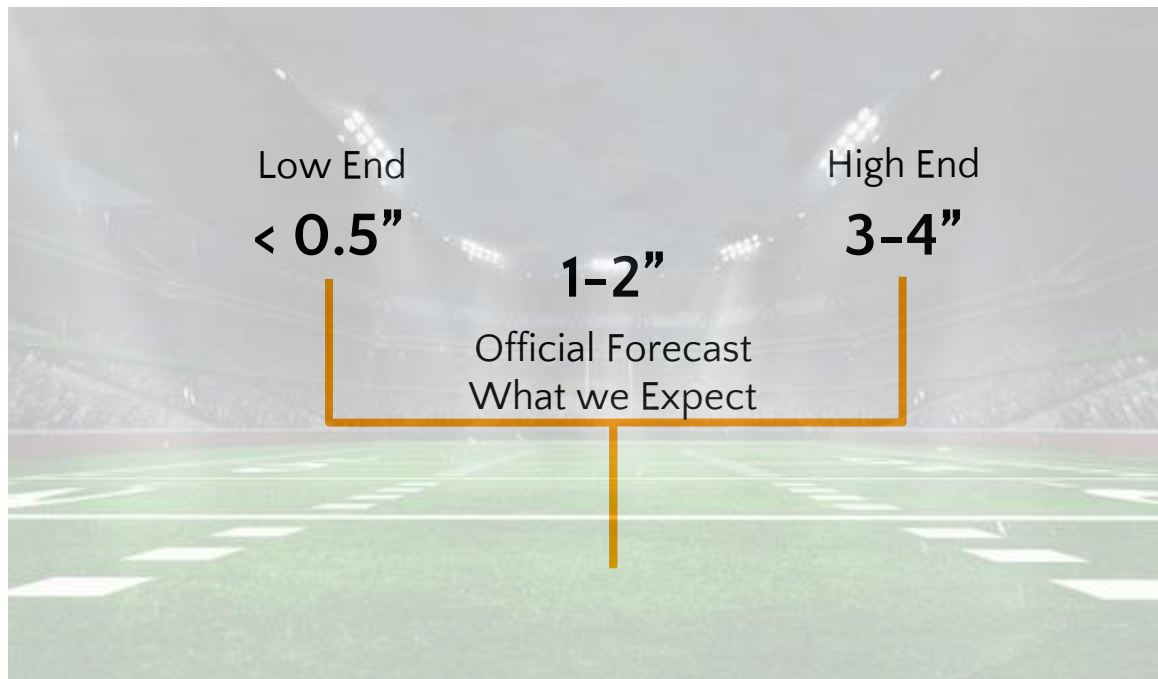


- Forecast goes out 3 nights
- Currently displayed for ATL, Macon, and Athens (looking to expand)
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Probabilistic Winter (Snow/Ice) Forecasts

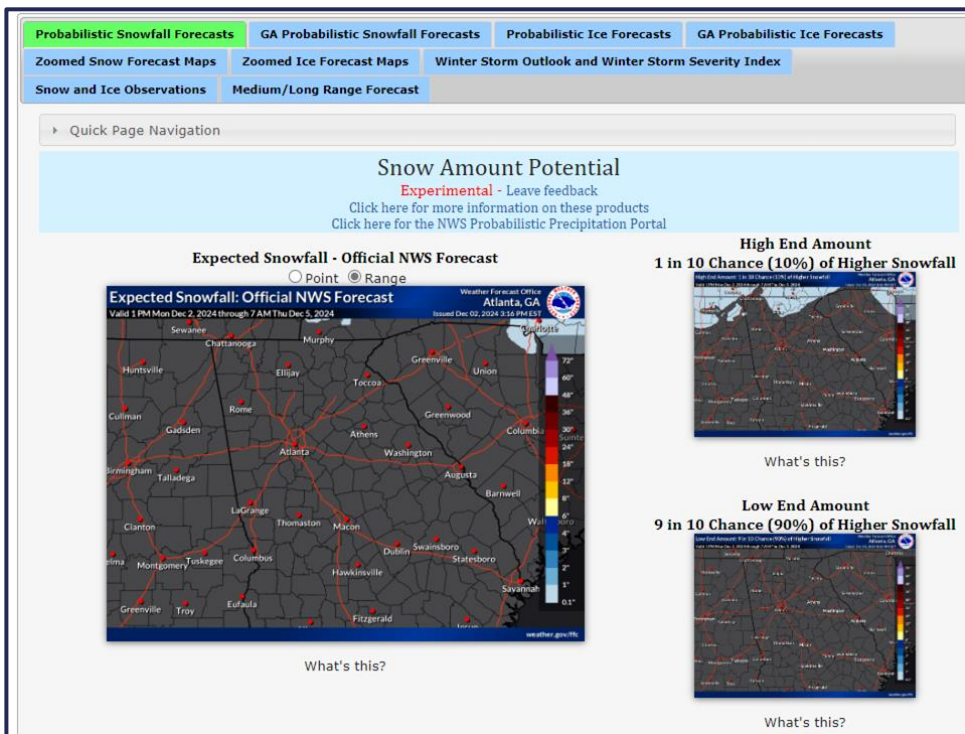
How can they help?

- Gives potential for high/low values which can help with contingency planning
- Glean confidence in forecast – how large is the range in values?
- Messaging. Low-end; we expect at least this much. On the high-end, we could have as much as XX.





Local Graphics (Snow & Ice)



- NWS Snowfall Forecast
- **High-end amount** = reasonable worst case
(10% chance of seeing this much)
- **Low-end amount** = expect at least this much
(90% chance)
- **Location Exceedance Probabilities** (% chance of seeing "XX amount" or more)



Local Graphics (Snow & Ice)



Percent Chance That Snow Amounts Will Be Greater Than...

Experimental - Leave feedback

[Click here for more information on these products](#)

[What's this?](#)

Hover over thumbnails below to view larger image.



Percent Chance of 0.1" Snowfall or More

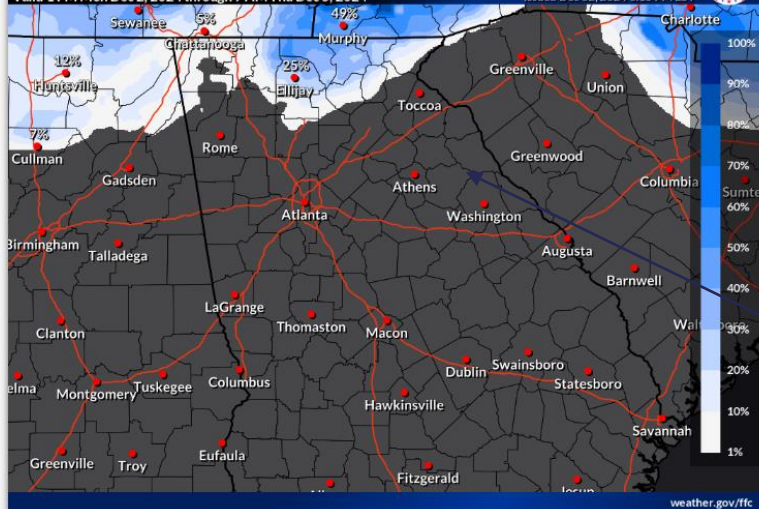
Weather Forecast Office

Atlanta, GA



Valid 1 PM Mon Dec 2, 2024 through 7 AM Thu Dec 5, 2024

Issued Dec 02, 2024 3:16 PM EST



- NWS Snowfall Forecast
- **High-end amount** = reasonable worst case
(10% chance of seeing this much)
- **Low-end amount** = expect at least this much
(90% chance)
- **Location Exceedance Probabilities** (% chance of seeing "XX amount" or more)



Other Useful Tools on NWS Winter Page

Winter Weather

Weather.gov > Peachtree City, GA > Winter Weather

Peachtree City, GA
Weather Forecast Office

[Current Hazards](#)

[Current Conditions](#)

[Radar](#)

[Forecasts](#)

[Rivers and Lakes](#)

[Climate and Past Weather](#)

[Local Programs](#)

[Probabilistic Snowfall Forecasts](#)

[GA Probabilistic Snowfall Forecasts](#)

[Probabilistic Ice Forecasts](#)

[GA Probabilistic Ice Forecasts](#)

[Zoomed Snow Forecast Maps](#)

[Zoomed Ice Forecast Maps](#)

[Winter Storm Outlook and Winter Storm Severity Index](#)

[Snow and Ice Observations](#)

[Medium/Long Range Forecast](#)

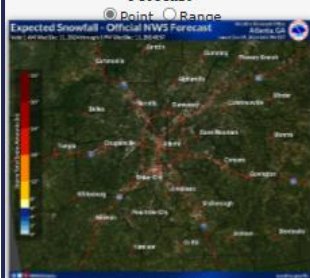
- Zoomed-in Maps for Snow and Ice (NEW: 2023-24)

- Winter Storm Severity Index



Zoomed-in Maps (snow & ice accumulation)

Atlanta Area
Expected Snowfall - Official NWS Forecast



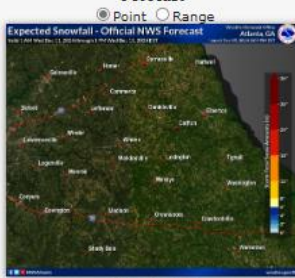
What's this?

Macon Area
Expected Snowfall - Official NWS Forecast



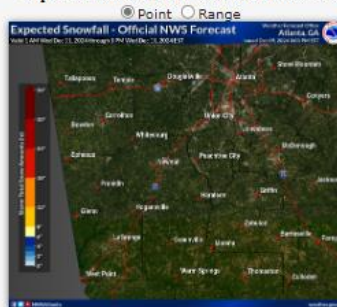
What's this?

Athens Area
Expected Snowfall - Official NWS Forecast



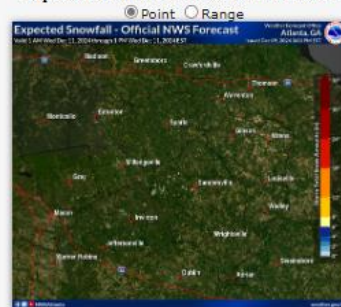
What's this?

West Central
Expected Snowfall - Official NWS Forecast



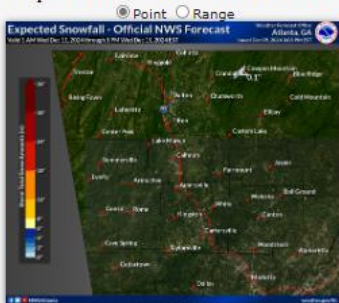
What's this?

East Central
Expected Snowfall - Official NWS Forecast



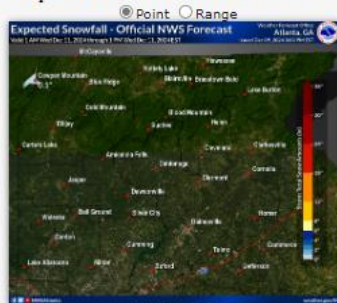
What's this?

Northwest
Expected Snowfall - Official NWS Forecast



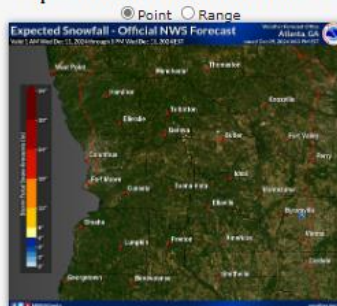
What's this?

Northeast
Expected Snowfall - Official NWS Forecast



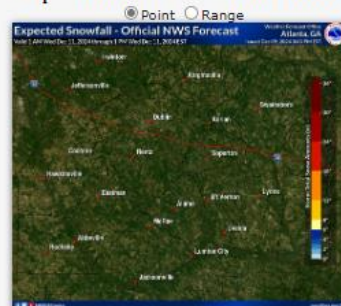
What's this?

Southwest
Expected Snowfall - Official NWS Forecast



What's this?

Southeast
Expected Snowfall - Official NWS Forecast



What's this?



The Winter Storm Severity Index

WSSI does not depict official warnings and should always be used in context with official NWS forecasts and warnings.

Overall Impact **Snow Amount** Snow Load Ice Accumulation Flash Freeze Blowing Snow Ground Blizzard

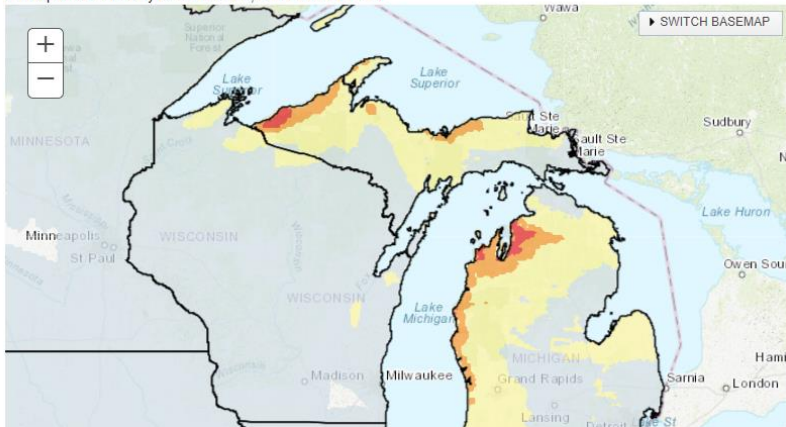
Overall Impact: Maximum impact from any of the components.

Days 1-3 Day 1 Day 2 Day 3

Select Zoom Area: [CONUS] CONUS

Print Map

Winter Storm Severity Index - Effective From Mon, Dec 09, 2024 06 PM ET Through Thu, Dec 12, 2024 01 PM ET
Last Updated: Monday December 09, 2024 06:46 PM ET



Potential Winter Storm Impacts

Winter Weather Area

Expect Winter Weather.

- Winter driving conditions. **Drive carefully.**

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.



NWSChat 2.0 (Slack)

The screenshot displays the NWSChat 2.0 Slack interface. On the left is a sidebar with navigation options: Home, DMs, Activity, Later, and More. Below these is a list of workspaces, including 'southeast-storm-survey-collab...', 'spc-news-and-training', 'tropical-collaboration1', 'tropical-collaboration2', 'weather-gov-2-news', 'welcome NWS Internal', 'wfo-peachtree-city-ga-st...', 'wpc-news-and-training', 'announcements-all', 'feedback', 'gacc-southern-area', 'nhc-tropical-atlantic-datafeed', 'southeast-storm-survey-collab...', and 'state-ga-collaboration'. The main channel is '# wfo-peachtree-city-ga', with a header indicating that NWS Peachtree city/Atlanta products can be found in the #... channel. The channel header also shows 'Messages', 'Canvas', 'Files', 'Bookmarks', 'WFO Atlanta Links', 'National Centers', and a 'Try a template' button. The channel content includes a message about a flooding threat between noon and 8 PM, a map of the Atlanta area showing the threat, and a 'Detailed Threat Information' section. The message also includes a link to 'Additional Forecast Rainfall through Wednesday' and a map of the Atlanta area showing the forecast. The channel also features a 'Severe Weather Outlook' for Tuesday, December 10, 2024, and a 'Brief Weak Tornado' section. The channel is currently empty, with a message input field at the bottom.

Search National Weather Service

wfo-peachtree-city-ga NWS Peachtree city/Atlanta products can be found in the #...

Messages Canvas Files Bookmarks WFO Atlanta Links National Centers Try a template NEW

Local Over the next 24 hours, a band of heavy rainfall should develop near Interstate 85 today. Rain rates may exceed an inch per hour, potentially resulting in areas of flooding.

The flooding threat is between noon and 8 PM long and south of I-85.

Detailed Threat Information

Flash flooding Low High

River flooding Low High

Additional Forecast Rainfall through Wednesday Atlanta, GA

Severe Weather Outlook Tuesday, December 10, 2024

Brief Weak Tornado

Message #wfo-peachtree-city-ga