

## Winter Weather Expected Tuesday/Wednesday

Good afternoon,

Once again we are looking at another winter weather event this week. The details are below.

**\*\*Winter Storm Watch for Central and Parts of North Georgia from 10am Tuesday through 1pm Wednesday\*\***

**Overview:** A cold front will move through Georgia on Monday with cold air filtering into the state behind the front by Monday night. Precipitation with the front across central Georgia is possible Monday night, but this is expected to be mostly rain. A low pressure system is forecast to develop in the Gulf of Mexico and bring additional precipitation to Georgia Tuesday. With this chance of precipitation and the cold air in place, wintry precipitation is expected to impact north and central Georgia (better chances are across central Georgia) Tuesday into Wednesday.

**Type of Precipitation:** A mix of wintry precipitation is expected with this across central Georgia including freezing rain, sleet and snow. In the northern portions of central Georgia and across north Georgia, only snow is expected. See the attached graphic for a break down of the areas.

**Amounts:** Portions of central Georgia could see 2 or more inches of snow. The far southeast part of our forecast area (Cordele to Soperton) could see 1/4" or more of ice. See the attached graphic for a further breakdown, however do not focus on the exact amounts as this forecast is extremely difficult in terms of amounts and the amounts will likely change with future updates. In addition, with multiple precipitation types (freezing rain mixed with sleet mixed with snow) expected generally south of a line from LaGrange to Macon to Sandersville these amounts are going to be varied greatly across that area. Amounts in that area will heavily depend on the timing of when the freezing rain/sleet transitions to snow.

**Location:** The higher confidence area of wintry precipitation is across central Georgia, although parts of north Georgia may also see snow.

**Timing:** Wintry precipitation will begin across central Georgia as early as mid-morning Tuesday and transition into the southern portions of north Georgia Tuesday afternoon. The wintry precipitation will diminish across north Georgia Wednesday morning and diminish across central Georgia Wednesday afternoon.

**Temperatures:** Temperatures Tuesday night will fall into the teens across the mountains, the lower 20s across the remainder of north Georgia and the mid to upper 20s across central Georgia. Most areas are expected to reach above freezing temperatures on Wednesday, but highs are not expected to get out of the 30s. All areas will be below freezing again Wednesday night, but the 40s are expected on Thursday. For more details refer to the Hourly Weather Graph for your area (directions to obtain the Hourly Weather Graph are attached in the Winter Weather Quick Reference Sheet file).

**Impacts:** Given the forecast, travel will be difficult, particularly across central Georgia. In addition, keep in mind a 1/4" or more of ice can bring down powerlines and trees.

**Confidence:**

Winter Weather Event: High Amounts: Low (due to mixing of several precipitation types)

Timing: Medium

**Briefing:** We will be doing a live briefing tomorrow, Monday, January 27 at 1pm.

Please do not hesitate to call us (770-486-1133) if you have any questions! We'll also be sending out updates geared towards the public on our Twitter (@NWSAtlanta) and Facebook pages.

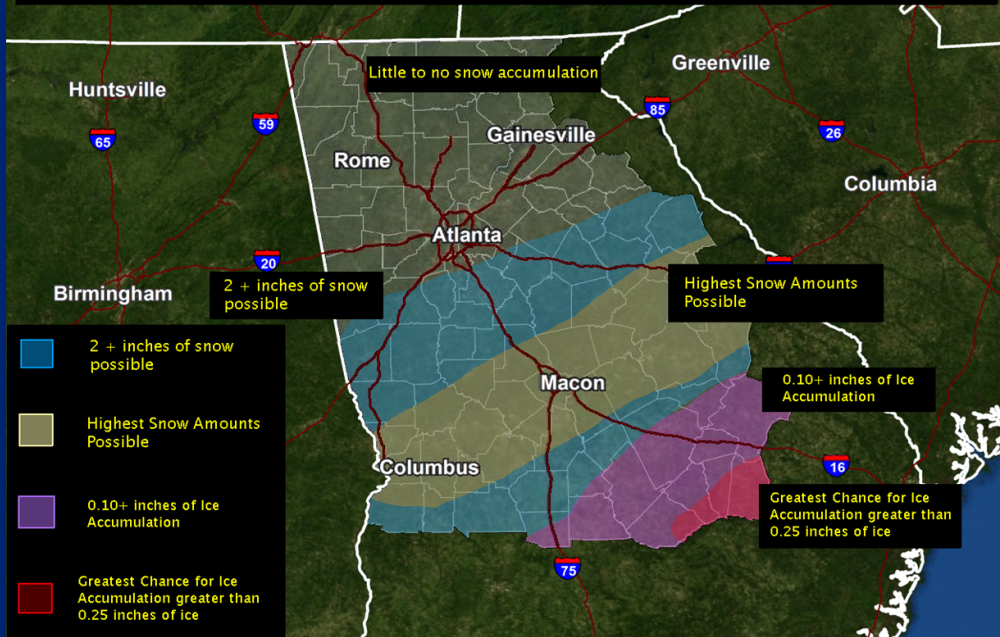
Regards, NWS Atlanta



# Wintry Weather Tuesday into Wednesday



## Current forecast Snow and Ice Accumulations for Tuesday into Wednesday



# Wintry Weather Tuesday into Wednesday



- Freezing Rain mixed with Sleet
- Brief Sleet transitioning to Snow
- Snow





Peachtree City

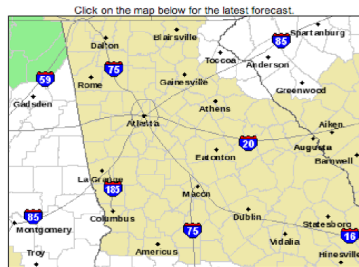
## Winter Weather Quick Reference Sheet

National Weather Service Atlanta: <http://www.weather.gov/atlanta>  
 Weather Prediction Center: [http://www.wpc.ncep.noaa.gov/wwd/winter\\_wx.shtml](http://www.wpc.ncep.noaa.gov/wwd/winter_wx.shtml)  
 Georgia Ready: <http://www.ready.ga.gov>  
 CDC Winter Weather: <http://emergency.cdc.gov/disasters/winter/>  
**SUBMIT WINTER WEATHER REPORTS TO:** <http://www.srh.noaa.gov/ffc/?n=strmsubm1>  
**VIEW CURRENT STORM REPORTS:** <http://nwschat.weather.gov/lsr>

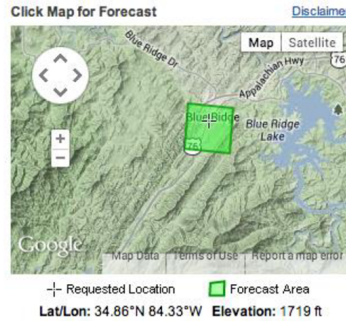
### How to Access our Hourly Weather Forecasts

The meteorologists at WFO Atlanta are constantly updating hourly forecasts with new information. This will show you how to access that information, including snowfall and ice accumulations and how long an area may stay below freezing.

**Step 1:** Go to [www.weather.gov/atlanta](http://www.weather.gov/atlanta).  
 On the main map click on the area you want the forecast for.

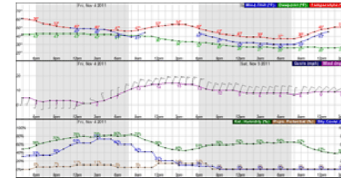


**Step 2:** Scroll down the page. On the far right there will be a map image with a green box. That green box is the area the forecast is valid for. You can click on this map to change that box's position.



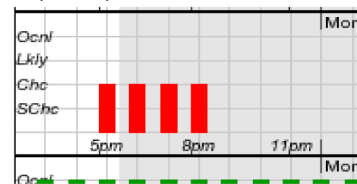
**Step 3:** Scroll further down on the page until you see the graphic that says *hourly weather graph*. Click on this image. Here you will find hourly weather data that is valid for that green box. Take some time to understand the graphs.

### HOURLY WEATHER GRAPH



**Step 4:** Use and enjoy the wealth of data on this page.

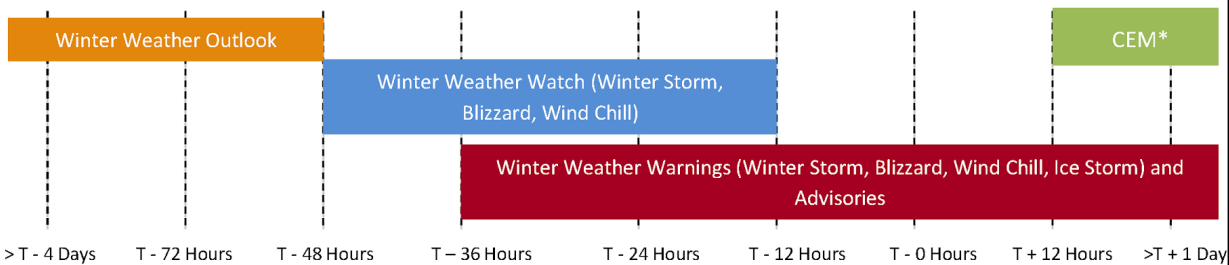
Sample Output Data:



### Weird Winter Weather Facts

- Snow can fall even when the temperature is above freezing! It is not uncommon for snow to fall when it is 35°F.
- Water can flash freeze - behind a strong cold front it is not uncommon for liquid water to freeze into ice rapidly, making the roads less safe.
- Snow can fall across northern Georgia and not even show up on radar as the snow resides below where the radar beam can see - this is when it is important to let us know if it is snowing in your area.

### Timeline of NWS Winter Weather Products



\*CEM Civil Emergency Message could be used as a means of relaying treacherous road conditions and advising the public to stay off the roads.  
 Any questions, comments or concerns, email Alex Gibbs at [Alexander.Gibbs@noaa.gov](mailto:Alexander.Gibbs@noaa.gov)

Winter\_Weather\_Reference\_Sheet.pdf 563K

20140126\_winter\_weather\_accumulation.png 1824K

20140126\_winter\_weather\_location.png 1129K