



SITUATIONAL AWARENESS

SUBJECT: Severe Weather Threat Tuesday & Wednesday

SITREP #: 2022 – 2.2

ISSUED: Monday, April 4, 2022 at 1600

OVERVIEW

Severe weather is possible multiple days this week for Georgia with the first round of storms moving through tomorrow and another round of storms on Wednesday. Tomorrow's batch of rain and thunderstorms is expected to move into the area mid-morning and linger through the afternoon. We are watching for excessive rainfall as a warm front lifts across the metro area and is then closely followed by a cold front. Flash flooding due to the excessive rainfall isn't as high due to our below average rainfall the last couple of weeks. This front will also bring with it the threat for damaging winds and the chance for an isolated tornado. The greatest risk for severe weather is south of I-20 for much of southern GA.

On Wednesday, a second risk for severe weather exists as conditions become more favorable for the possibility of tornadoes, damaging winds, and hail. The threat for severe weather on Wednesday is highly dependent on the line of storms that moves through on Tuesday. If the Tuesday front leaves behind the favorable conditions we are expecting, Wednesday would produce the threat for damaging winds, hail, and the possibility of tornadoes. Wednesday remains conditional on the right atmospheric dynamics mixing to produce the strong storms that some models are showing. OEM will continue to send daily updates through Wednesday.

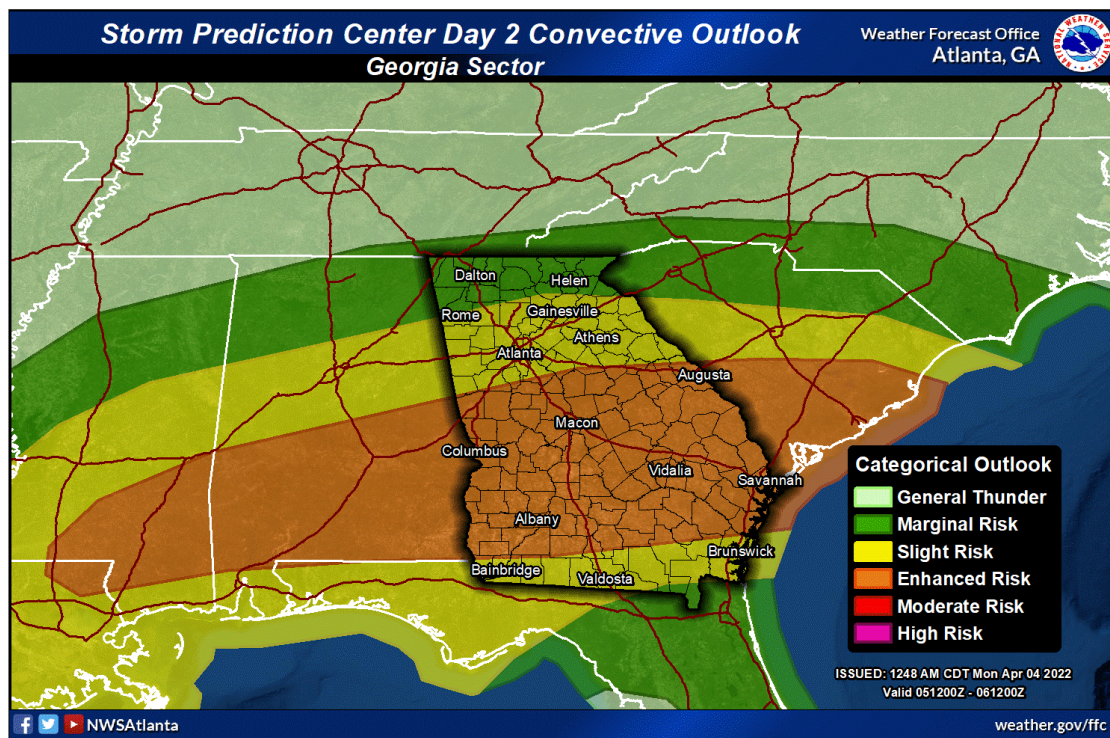


Figure 1: Day 2 (Tomorrow/Tuesday) Severe Weather Outlook

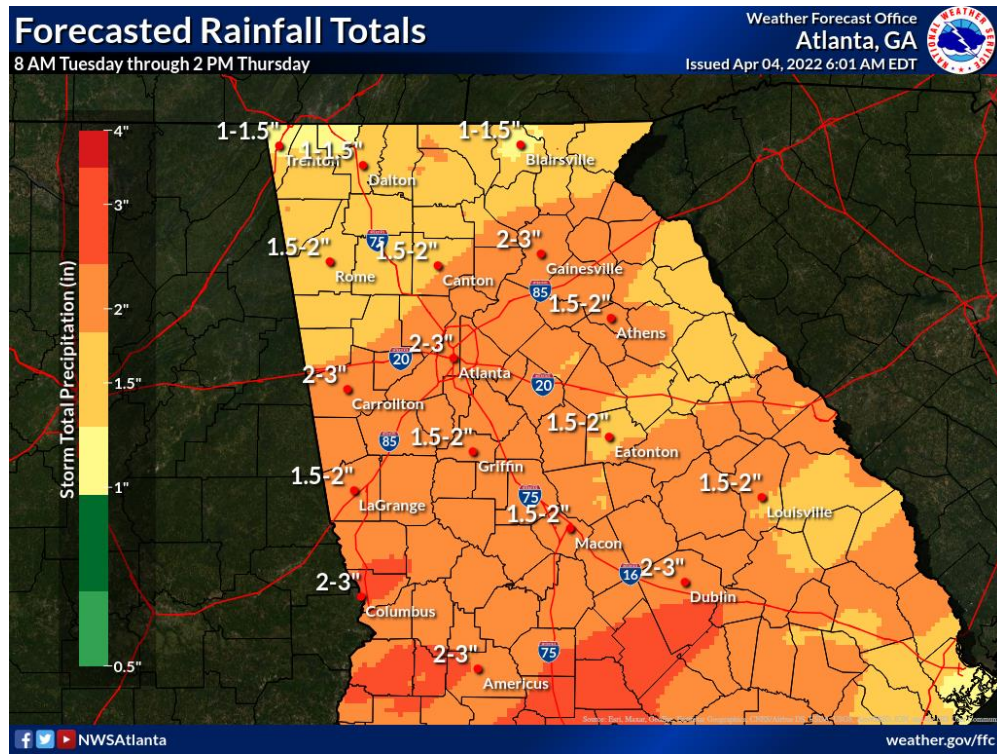


Figure 2: Day 2 (Tomorrow/Tuesday) Quantitative Rainfall Forecast

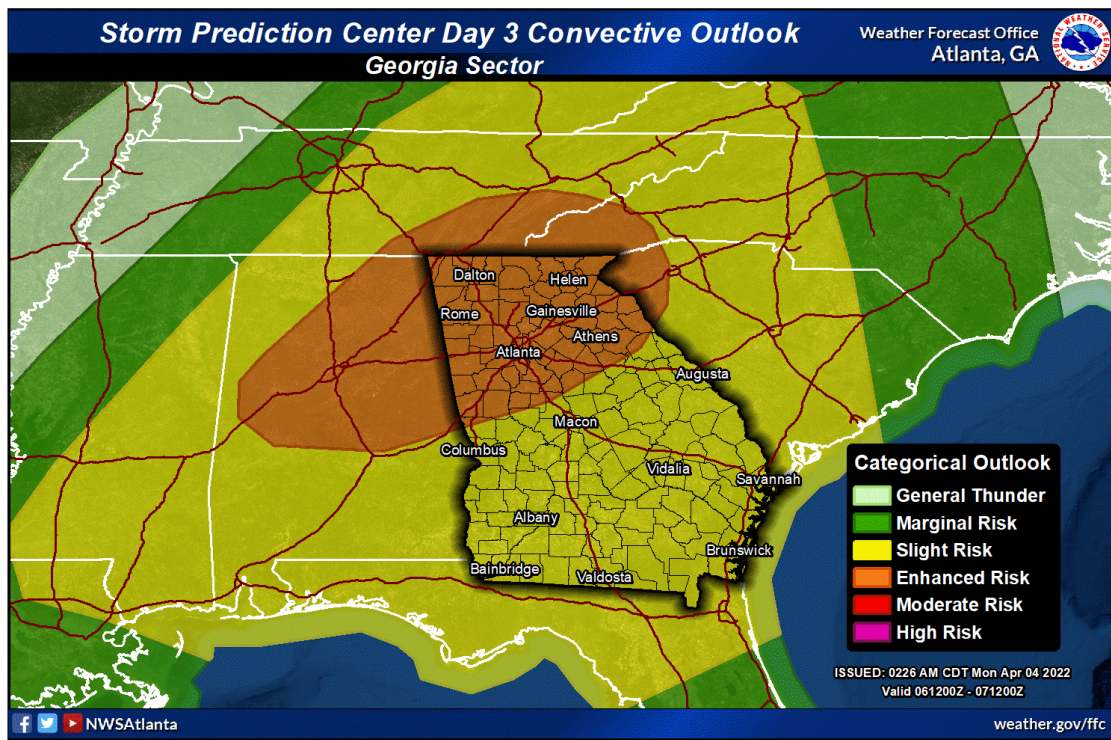


Figure 3: Day 3 (Wednesday) Severe Weather Outlook



PRIMARY HAZARDS

Tuesday: Damaging winds and excessive rainfall

Wednesday: Damaging winds, hail and tornadoes

NEXT STEPS

- The Georgia Tech Police Department Office of Emergency Preparedness will continue to monitor the situation and provide updates as necessary.
- Facility managers and event planners should note scheduled events for Wednesday and begin making preparations.
- Everyone should locate shelter areas within your building(s) and prepare ahead.
- Follow the GT Office of Emergency Preparedness on twitter @gtpdalerts.
- For the latest forecast information, please visit the National Weather Service at <http://weather.gov/atlanta> and the Storm Prediction Center at <http://spc.noaa.gov>.