OVERVIEW

New model guidance today continues to suggest the potential for severe weather in the metro area late Wednesday and into Thursday morning. The Storm Prediction Center continues to maintain our severe weather risk at Slight (level 2 of 5) with a pretty sharp risk gradient back to the west in Alabama and Mississippi where the greatest risk remains. Atmospheric dynamics are much more supportive of a classic severe weather outbreak back to the west however, we still have the potential to feel the effects of this potent system.

Much of our severe threat depends on the position of the wedge (cool, stable airmass that sinks down into metro Atlanta from the NE GA mountains). The wedge is expected to lift north and east throughout the day tomorrow. Wedge conditions do not support severe weather. Current model guidance does not support conditions favorable for severe weather occurring until Wednesday night. This suggests that any storms that form before Wednesday night will likely stay below severe limits. This also suggests that conditions will be ripe for severe weather when the main line passes through the area Thursday morning. What we will need to watch tomorrow is the position of the wedge. If it erodes quicker than forecast, we will need to pay attention to any discrete cells that form in our area. We will continue to monitor the situation and release another update early tomorrow afternoon.

Figure 1: Day 2 Categorical Severe Weather Outlook (SPC). Atlanta is in a Slight Risk (level 2 of 5).
Figure 2: HRRR reflectivity at 7:00pm on Wednesday

Figure 3: HRRR reflectivity at 6:00am Thursday
PRIMARY HAZARDS
The primary hazards will be from damaging winds, hail, heavy rain, and a brief tornado.

TIMING
Discrete cells could develop in the late afternoon and evening hours. The main line is forecast to impact the area between 6:00-9:00am on Thursday.

NEXT STEPS
- The Georgia Tech Police Department Office of Emergency Management will continue to monitor the situation and provide updates as necessary.
- Follow the GT Office of Emergency Management on twitter @gtpdalerts.
- For the latest forecast information, please visit the National Weather Service at http://weather.gov/atlanta.