

Main Points



Sunday – Early Monday Severe Threat

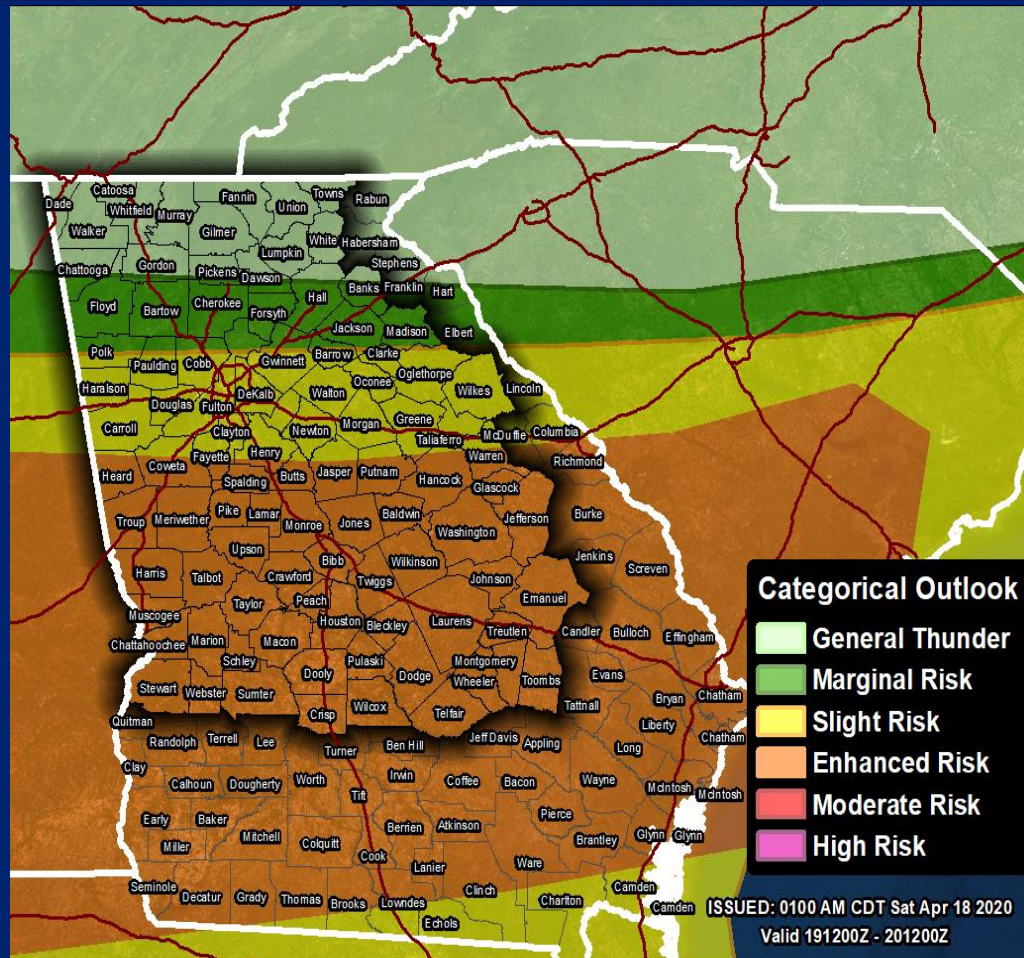
- Increasing severe weather risk from Sunday afternoon through pre-dawn hours Monday
- Highest severe risk is along and south of I-20
- Two possible rounds of severe thunderstorms
 - Afternoon/Evening
 - Late Night into Early Monday Morning
- Main Impacts:
 - Damaging Winds (could down trees/powerlines)
 - Tornadoes (strong, long-track possible)
 - Heavy Rain (localized flooding possible)
 - Hail (with earlier storms)
- Heavy rainfall will lead to flooding/flash flooding concerns.



SPC Outlook - Sunday



Subject to change w/ later forecasts



- **Enhanced Risk (level 3)** over central GA
- **Slight Risk (level 2)** over the I-20 corridor, including Atlanta and Athens
- **Timing:** Sunday late afternoon into early Monday
- **Main Threats:**
 - Damaging Winds
 - Tornadoes
 - Flash Flooding
 - Hail

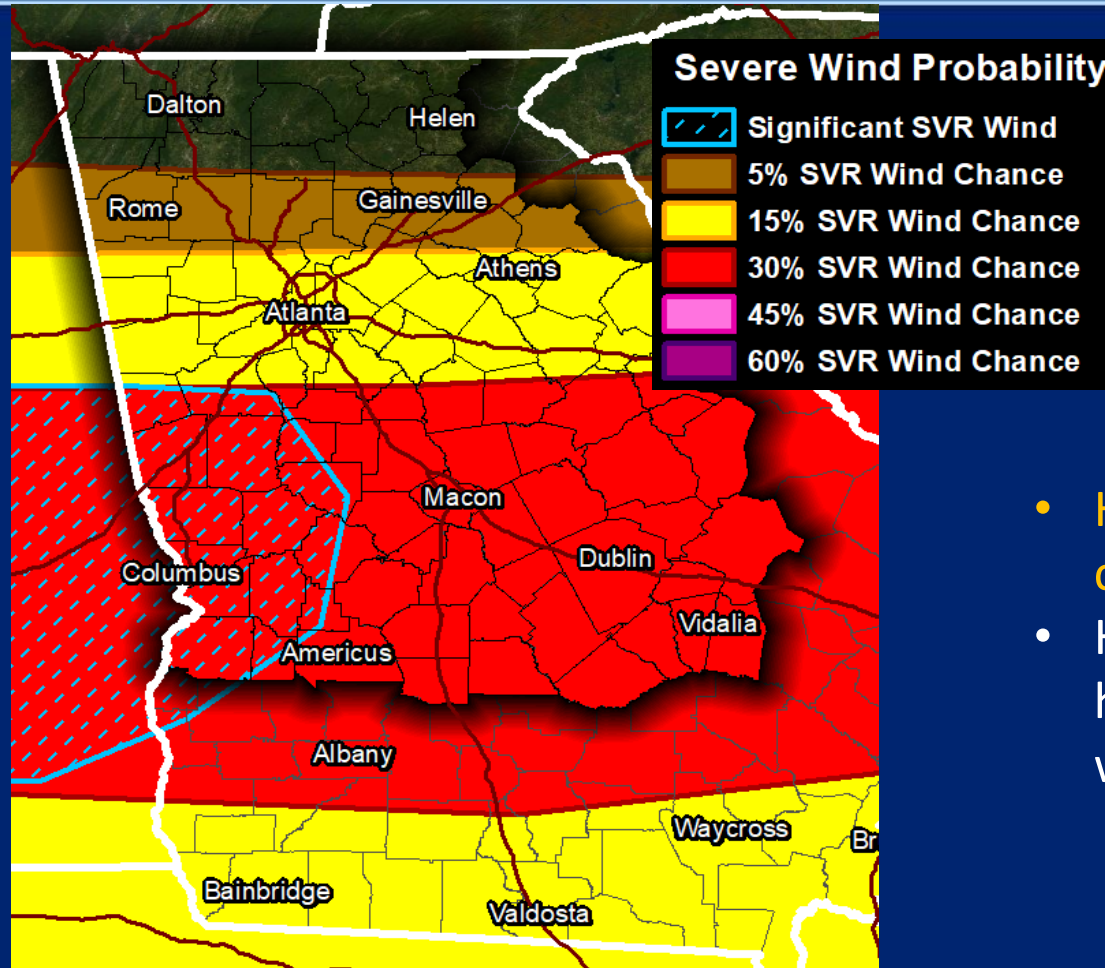


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Damaging Wind Risk



Likely to change w/ later forecasts

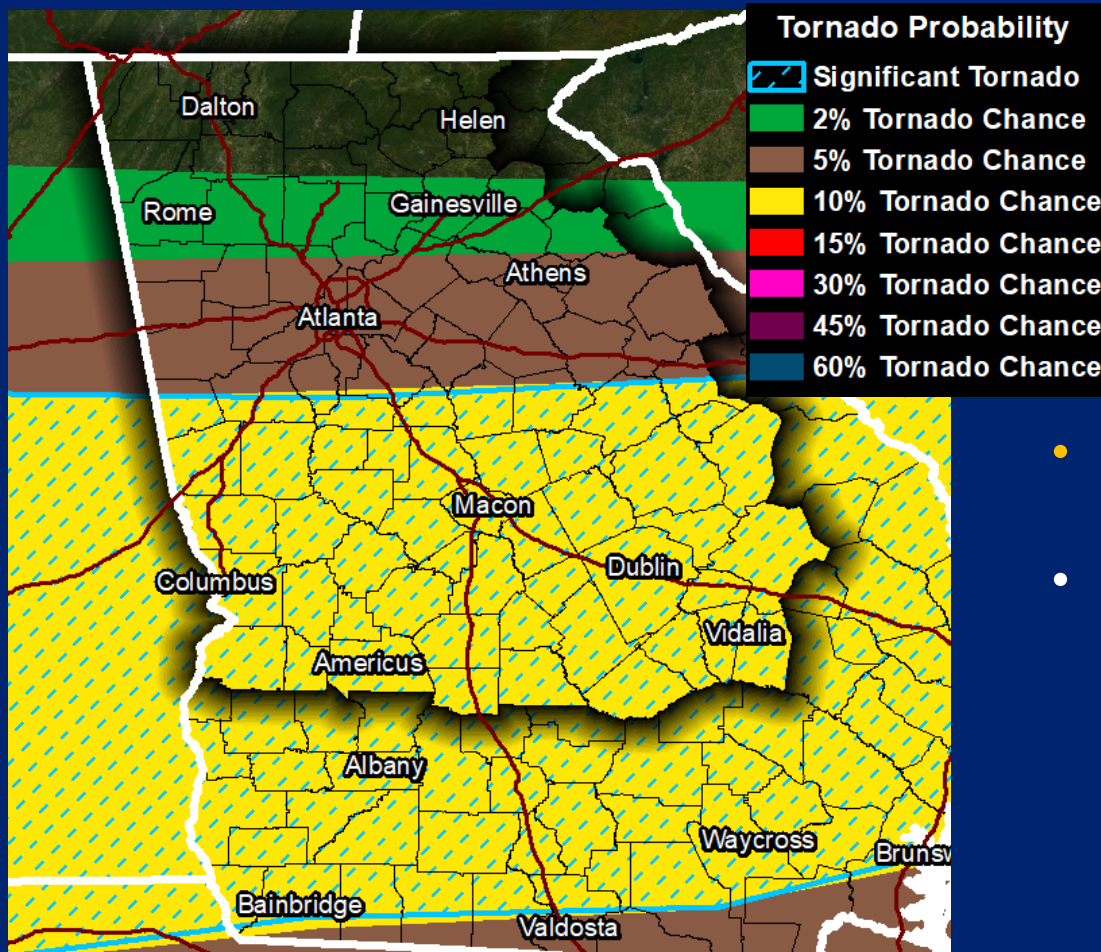


- Highest Probability Over central Georgia
- Hatched area indicates a higher risk of 75 mph winds

Tornado Risk



Likely to change w/ later forecasts



- Highest Probability Over Central Georgia (10%)
- Hatched area is for “significant tornado event”
 - Strong long-track tornadoes possible



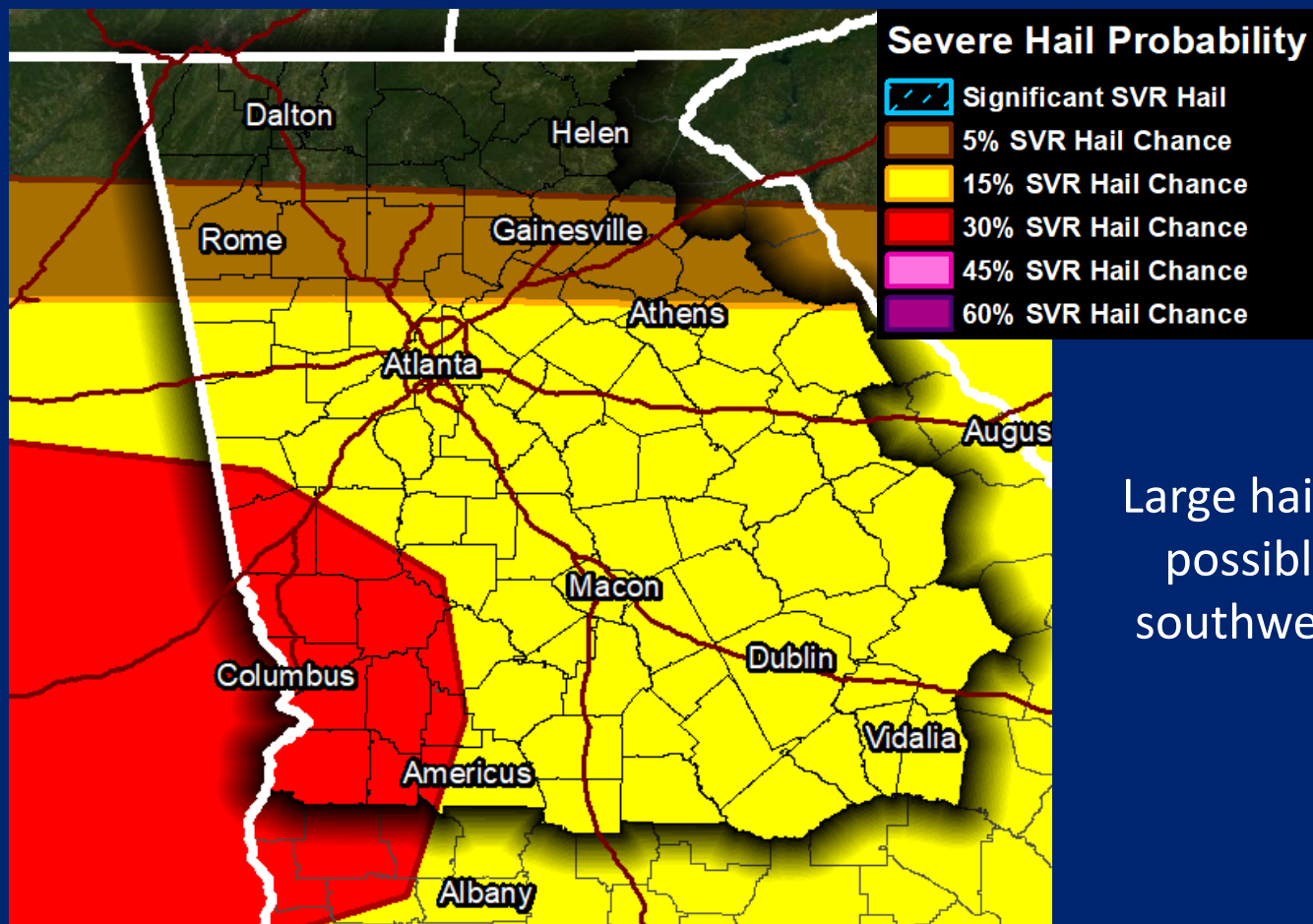
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Hail Risk



Likely to change w/ later forecasts



Large hail over 1" in diameter possible, especially in the southwestern portion of the area.

Thunderstorm Timing

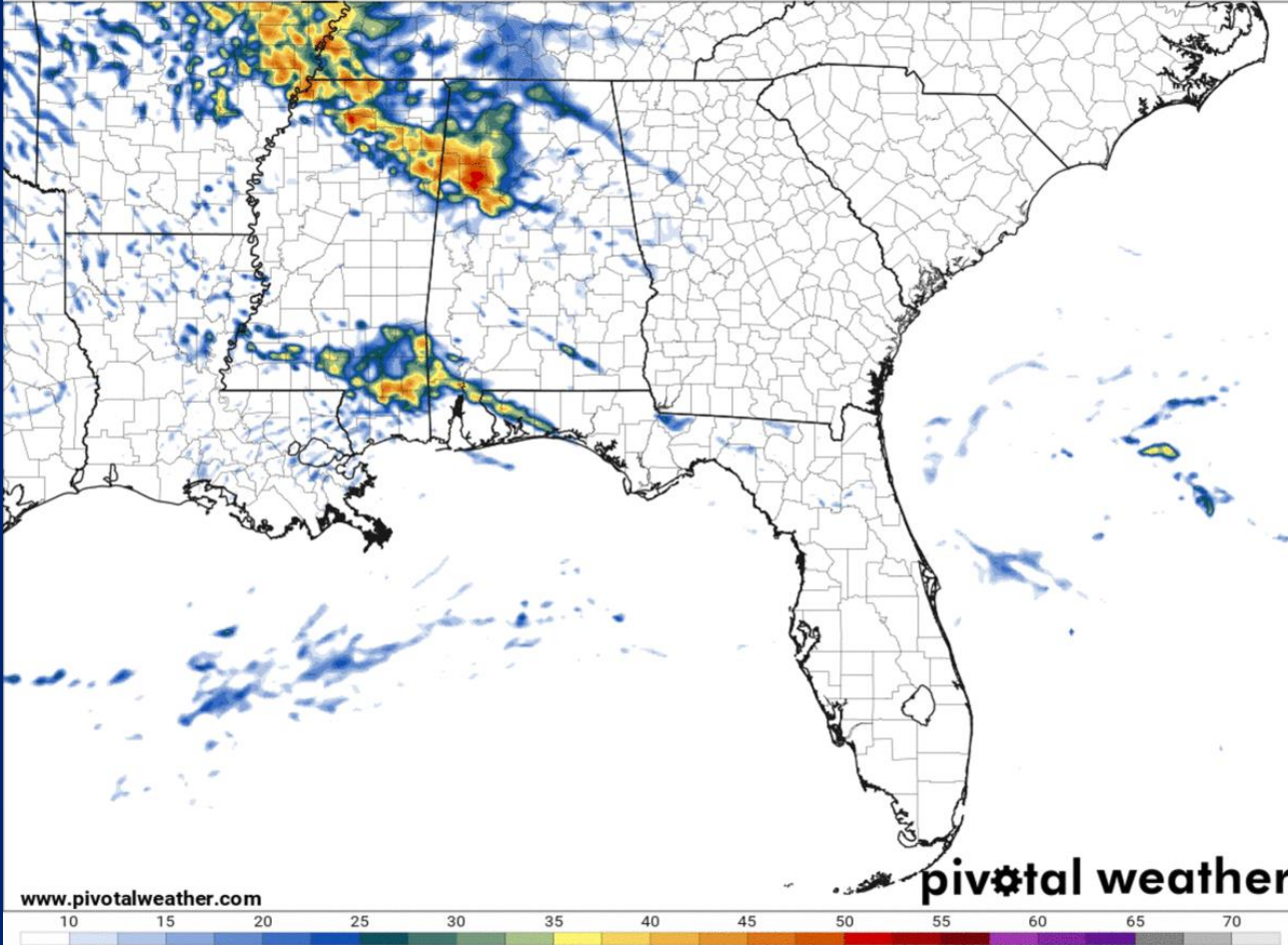
Don't focus on exact timing/location. One model solution.



Composite Reflectivity (dBZ)
F024 Valid: Sun 2020-04-19 12z

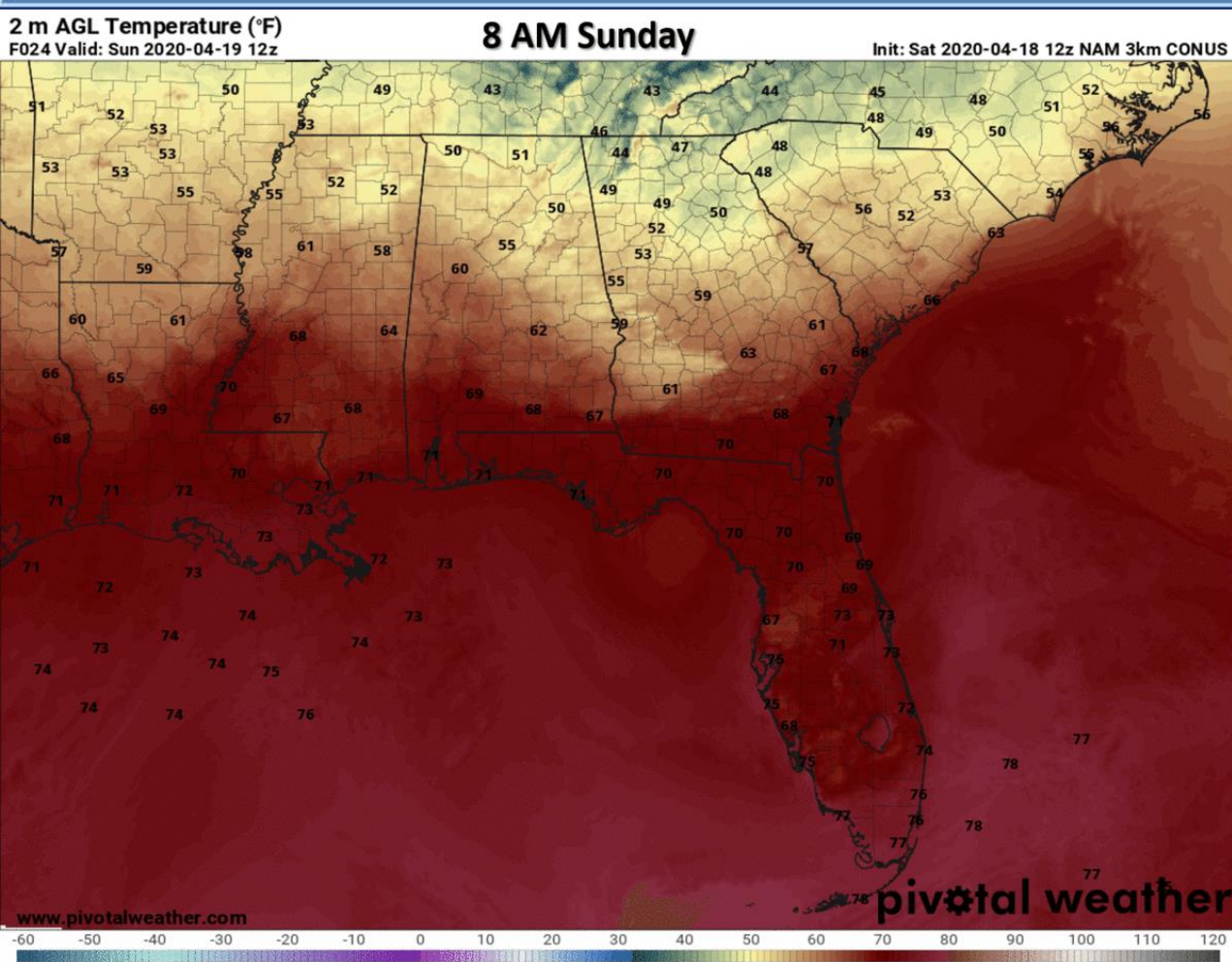
8 AM Sunday

Init: Sat 2020-04-18 12z HRW WRF-NSSL



- An initial round of rain/storms possible late morning midday with little severe risk.
- Afternoon/Evening: Strong/severe storms may develop along and south of warm front Sunday afternoon/evening.
- Sunday Night: Additional strong/severe storms move in late evening and overnight.

Biggest Uncertainty – Warm Front Placement



- Uncertainty remains regarding how far north the warm front will progress.
- Along/South of warm front: Severe thunderstorm threat.
- North of warm front: much lower severe threat. Heavy rainfall/flooding threat.

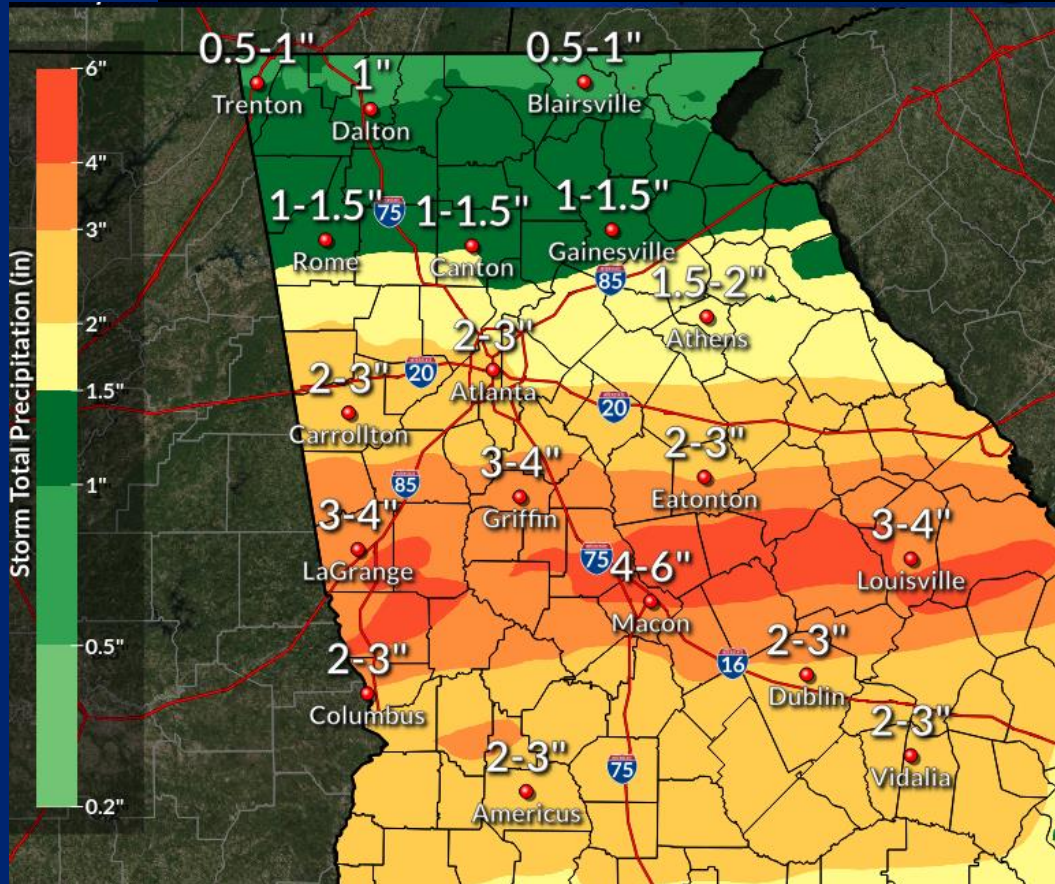


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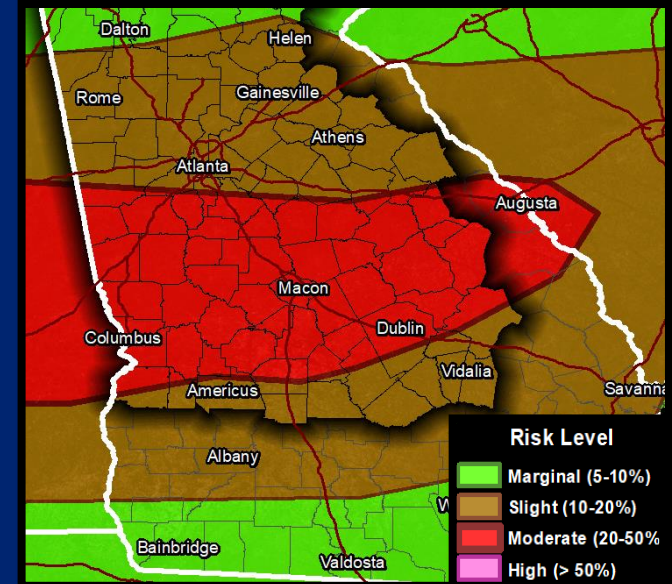
Heavy Rainfall & Flooding Threat

Sunday – Monday AM Rainfall Totals



- Flash Flood Watch expected
- 1- 3"+ with locally higher amounts possible
- Highest rainfall totals could meander, so don't focus on exact area.

Day 2 Excessive Rainfall Risk



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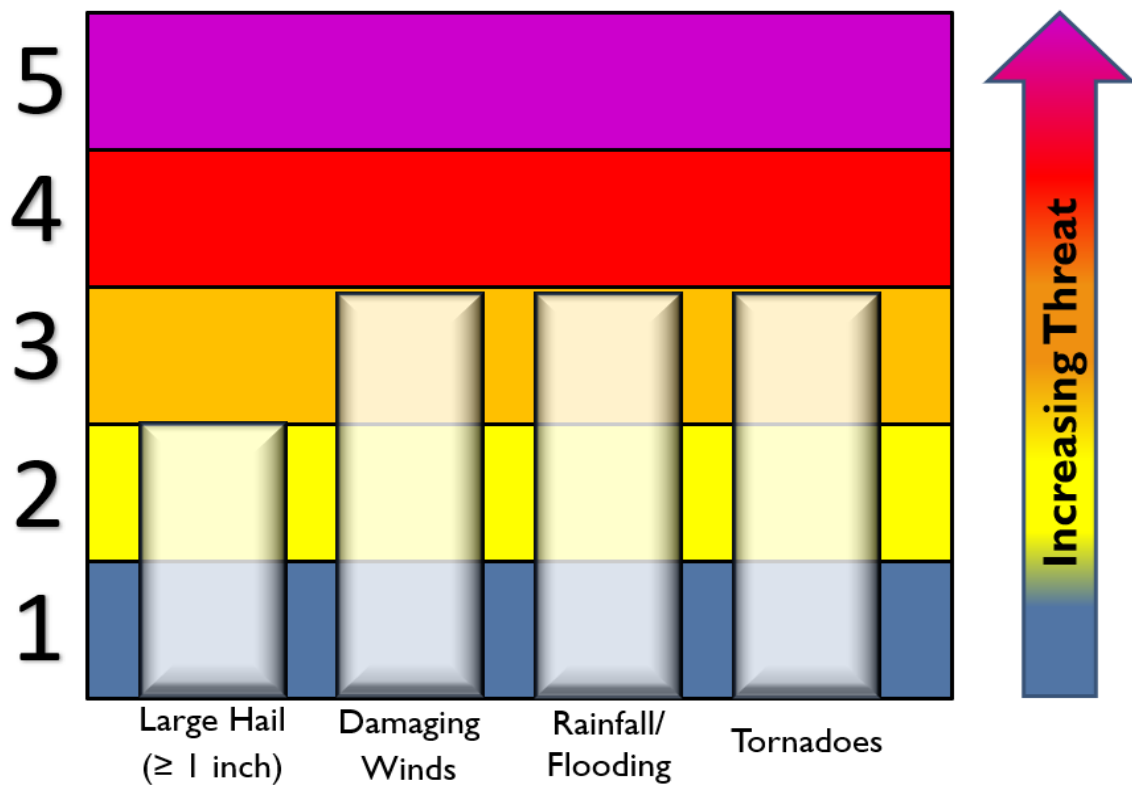
Threat Levels & Confidence

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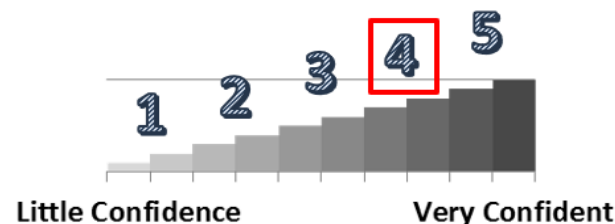
Sunday PM – Monday AM



Peachtree City/Atlanta
WEATHER FORECAST OFFICE



Forecast Confidence



Main Threats:

(Severe Risks Apply Mainly to Areas Along and South of I-20)

- Damaging Winds
- Tornadoes
- Heavy Rainfall/Flooding
- Hail

4/18/2020 1:49 PM



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Summary



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