

SITUATIONAL AWARENESS

SUBJECT: Flash Flooding Risk Overnight
SITREP #: 2020-4.1
ISSUED: Monday, February 10, 2020 at 1530

OVERVIEW

The Weather Prediction Center issued a rare High Risk for excessive rainfall for our region this afternoon. This is due to a stalled frontal boundary over the northern half of Georgia that will produce significant rainfall overnight tonight in areas that already have saturated grounds. Storms may persist over the region overnight into Tuesday morning. While most models show the axis of higher precipitation amounts setting up to our north and west, the National Weather Service (NWS) is concerned that a slight change in that axis would shift it over Metro Atlanta. Additionally, flash flooding is most pronounced in an urban setting with much more impervious surfaces that produce runoff. Typically, the Georgia Tech campus remains safe in these events and we expect minimal impacts locally. Our main concern is with commuters and those that live in the NW Metro area, such as Cobb, Bartow, Paulding, northern Fulton, Cherokee, & Forsyth Counties. Be especially careful driving overnight tonight as flooded roadways are often difficult to detect and may be much deeper than they appear. As always, follow the guidance of "Turn around, don't drown."

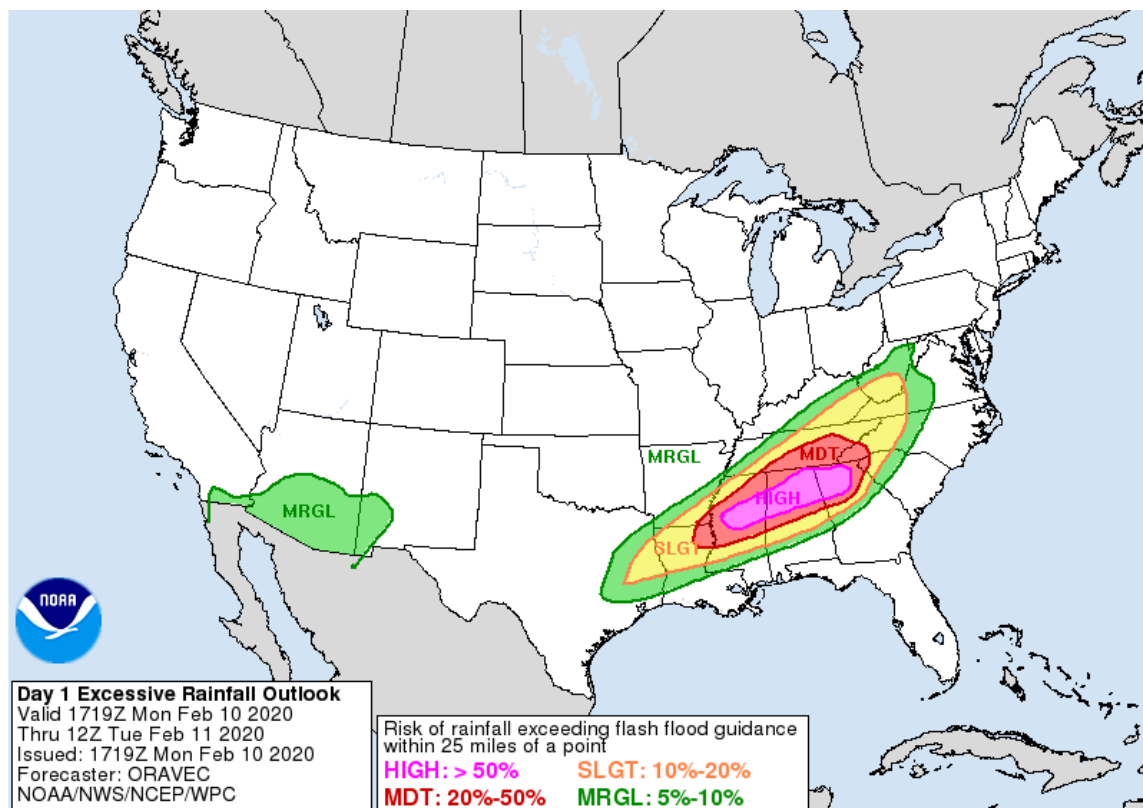


Figure 1: Excessive Rainfall Outlook (Weather Prediction Center)

PRIMARY HAZARDS

The primary hazards will be from flash flooding.

TIMING

Monday Night into Tuesday Morning

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](https://twitter.com/gtpdalerts).
- For the latest forecast information, please visit the National Weather Service at <http://weather.gov/atlanta>.

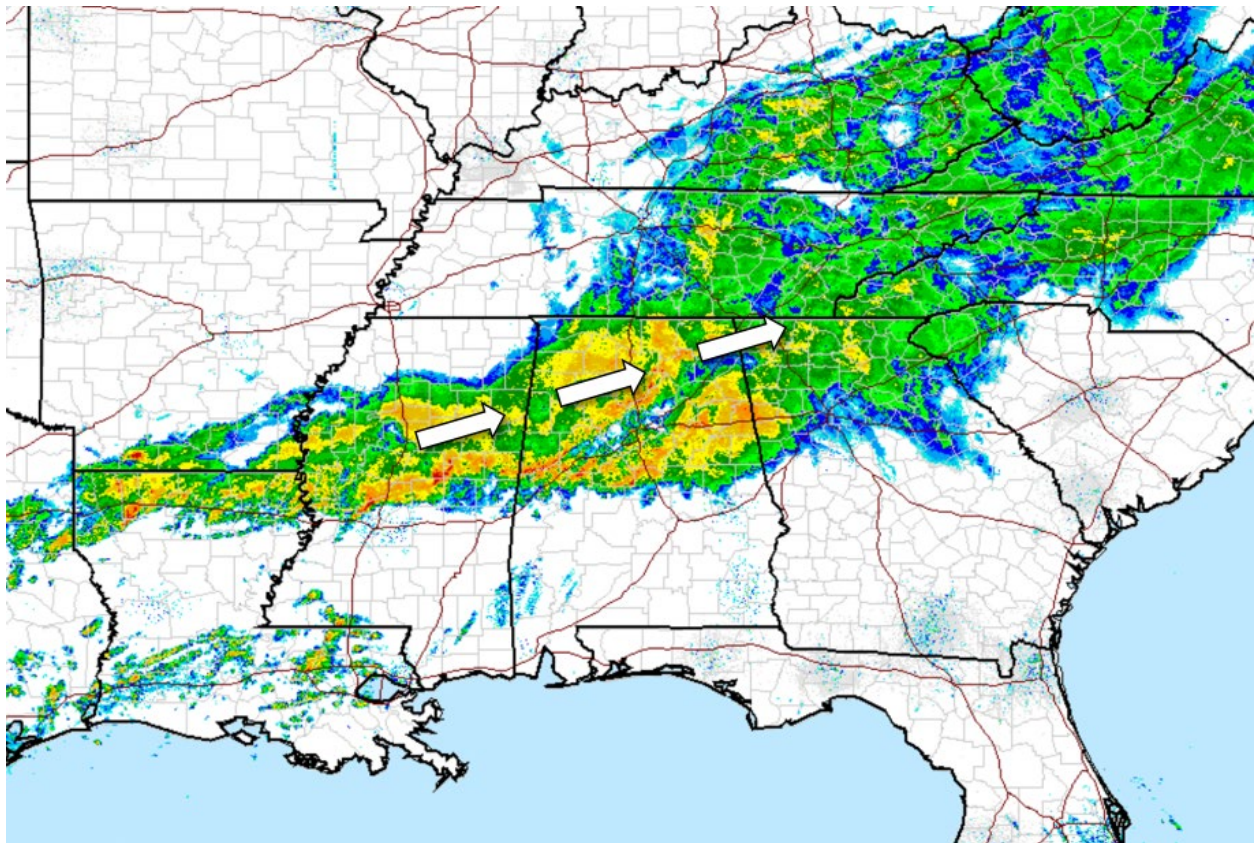


Figure 2: Current Radar Composite at 1530

Total Accumulated QPF (in) over model run
F036 Valid: Wed 2020-02-12 06z

Init: Mon 2020-02-10 18z HRRR

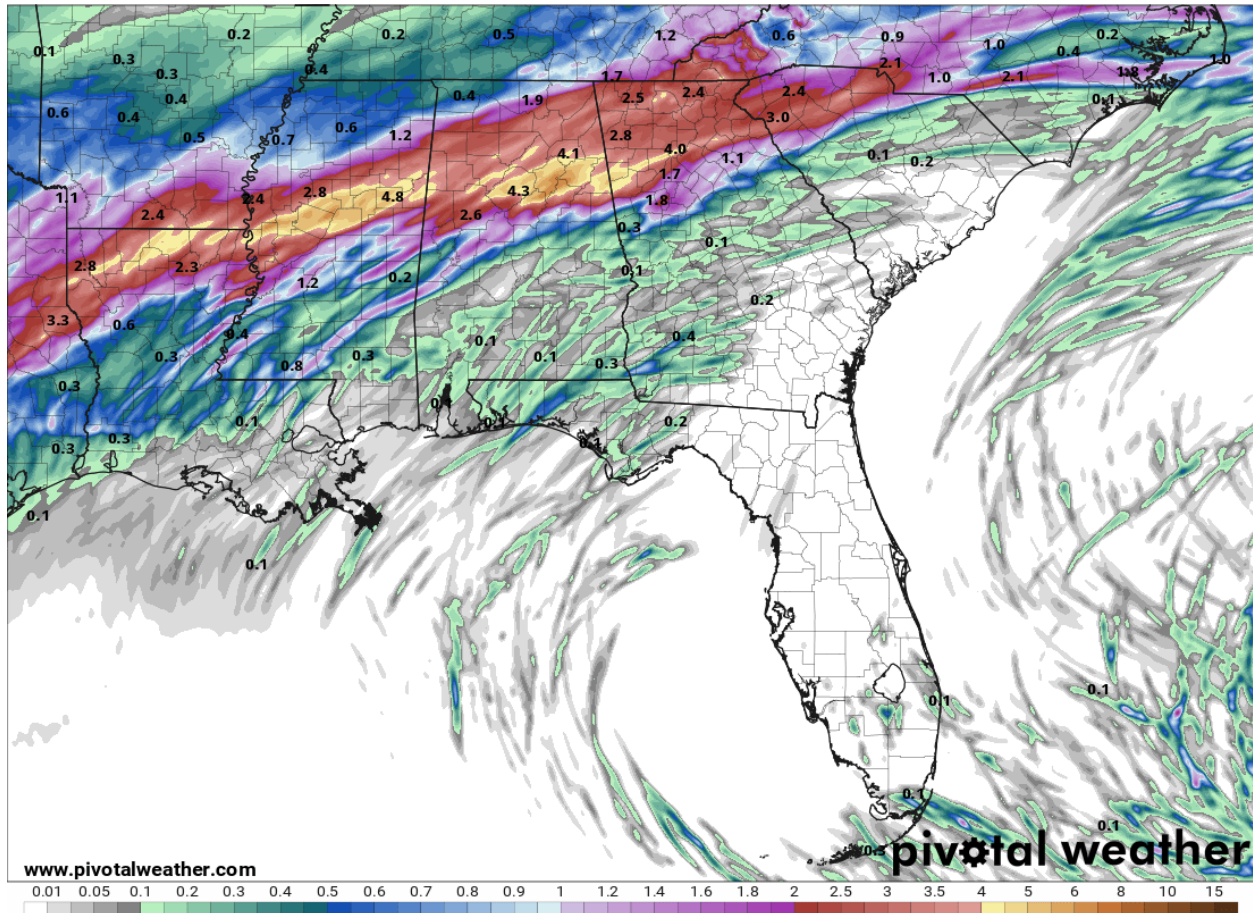


Figure 3: Quantitative Precipitation Forecast (QPF) from 18Z Monday – 06Z Wednesday (HRRR 18Z)