



HURRICANE IRMA

Georgia Threats & Impacts

Updated: 11 AM / Sunday, Sept. 10



@NWSAtlanta

www.weather.gov/atlanta

Situation Overview



ATLANTA
WEATHER FORECAST OFFICE

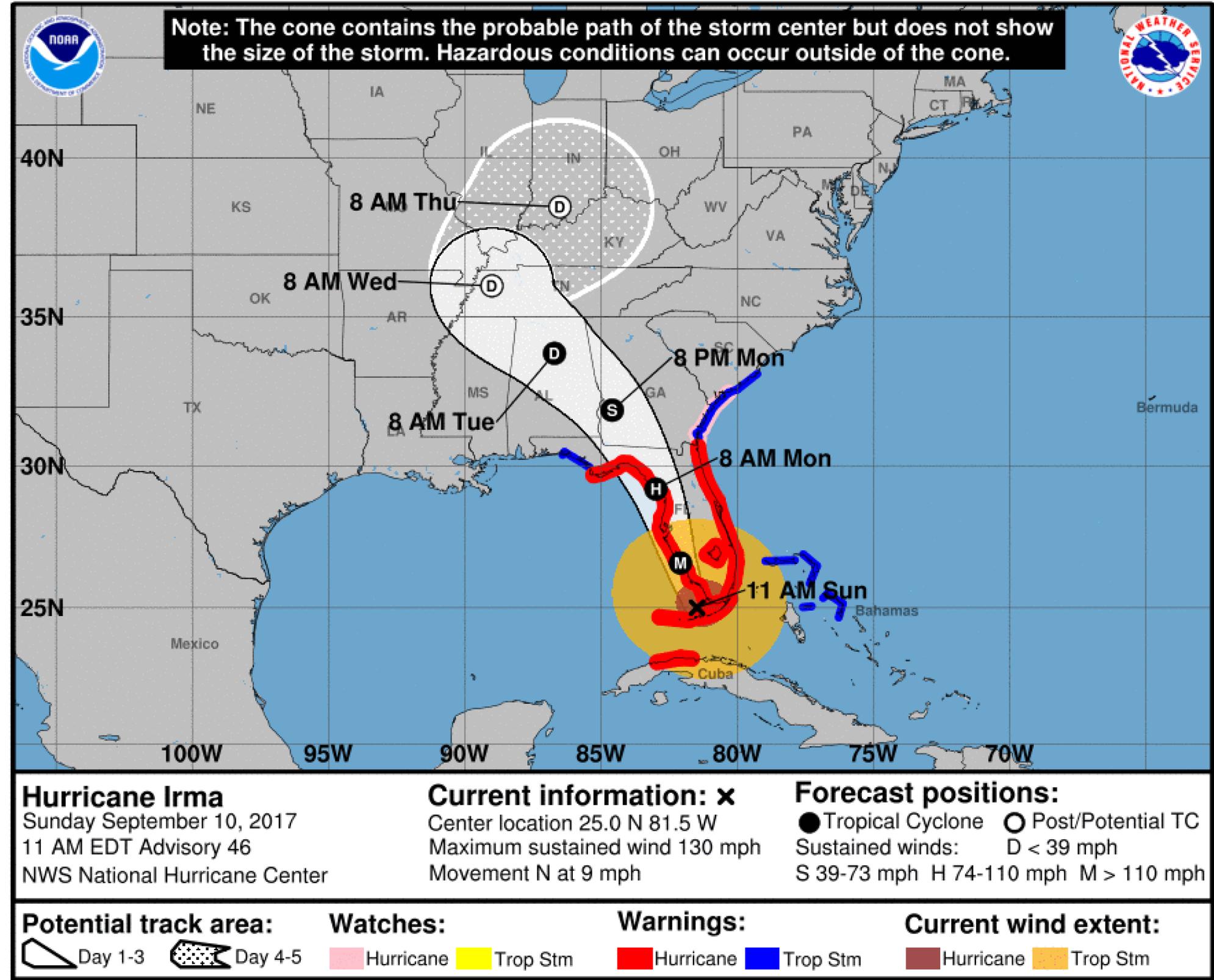
Hurricane Irma

11:00 AM EDT Sun Sep 10
 Location: 25.0°N 81.5°W
 Moving: N at 9 mph
 Min pressure: 933 mb
 Max sustained: 130 mph
 **Cat 4 – Major Hurricane

Little to no change for Georgia

Hurricane-force winds extend 80 miles out from the center of Irma

Tropical storm-force winds extend 220 miles out for the center of Irma



Summary of Hazards – Georgia



ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma

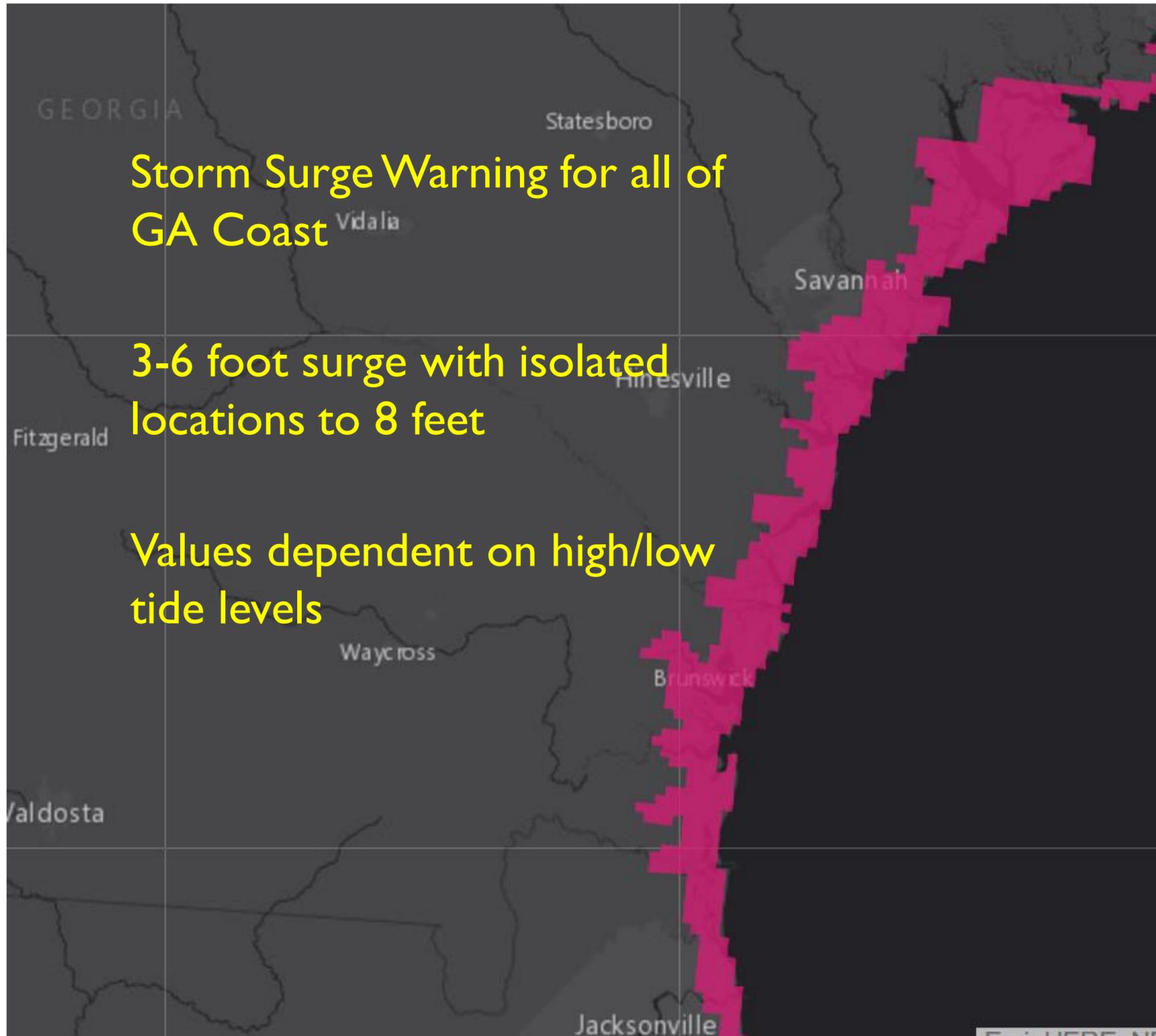
- **Coastal Storm surge + inland flooding (through Monday PM):**
 - 3-6 feet (above normally dry ground) w/ isolated 8-ft surge (depending on tide levels)
- **Damaging Winds:**
 - **After midnight tonight** -- Tropical storm force winds (40-74 mph) arriving across south Georgia
 - **Stronger wind gusts of 75-90 MPH possible over extreme SW GA (Bainbridge, Moultrie, Valdosta) between 10am-3pm Monday**
 - Tropical storm force winds expected across higher elevations of north Georgia late Monday/Monday night
- **Heavy Rain / Flash Flooding**
 - Widespread 3-6 inches with areas of 6-10 inches, mainly across SE Georgia
 - Isolated higher amounts of 10-15" expected (mainly SE GA)
- **Tornadoes (short-lived)**
 - Mainly areas east of the storm track in outer rain bands

Storm Surge Warning



ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma



Storm Surge Warning for all of
GA Coast

3-6 foot surge with isolated
locations to 8 feet

Values dependent on high/low
tide levels

Time of Arrival – earliest chance

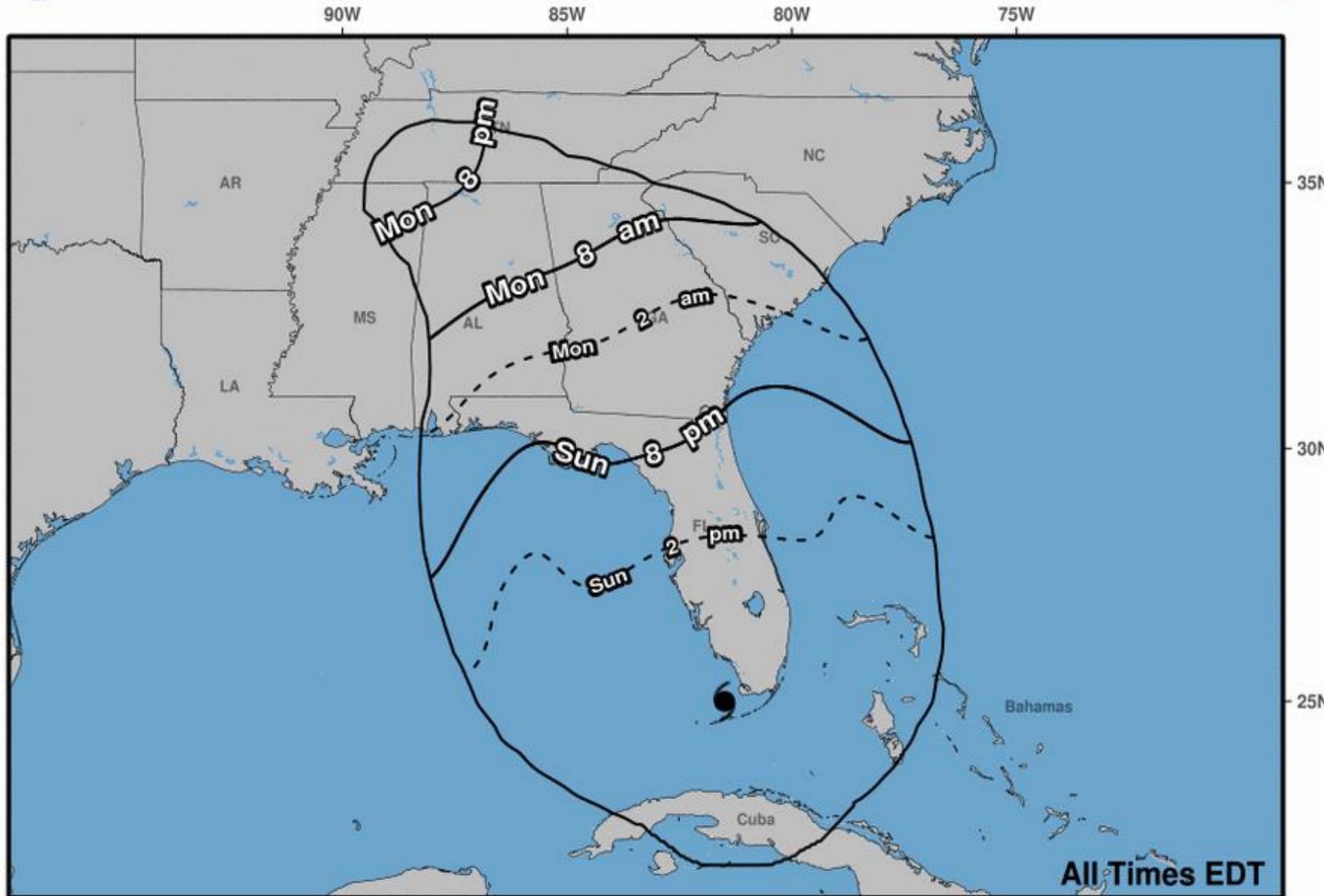


ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma



Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



- **From NHC I am Sunday Advisory**

Hurricane Irma
Sun. Sep. 10, 2017 11 am EDT
Advisory 46

Storm Location &
Wind Speed (knots)
○ <34 ○ 34-63 ● ≥64

Time of Arrival – most likely

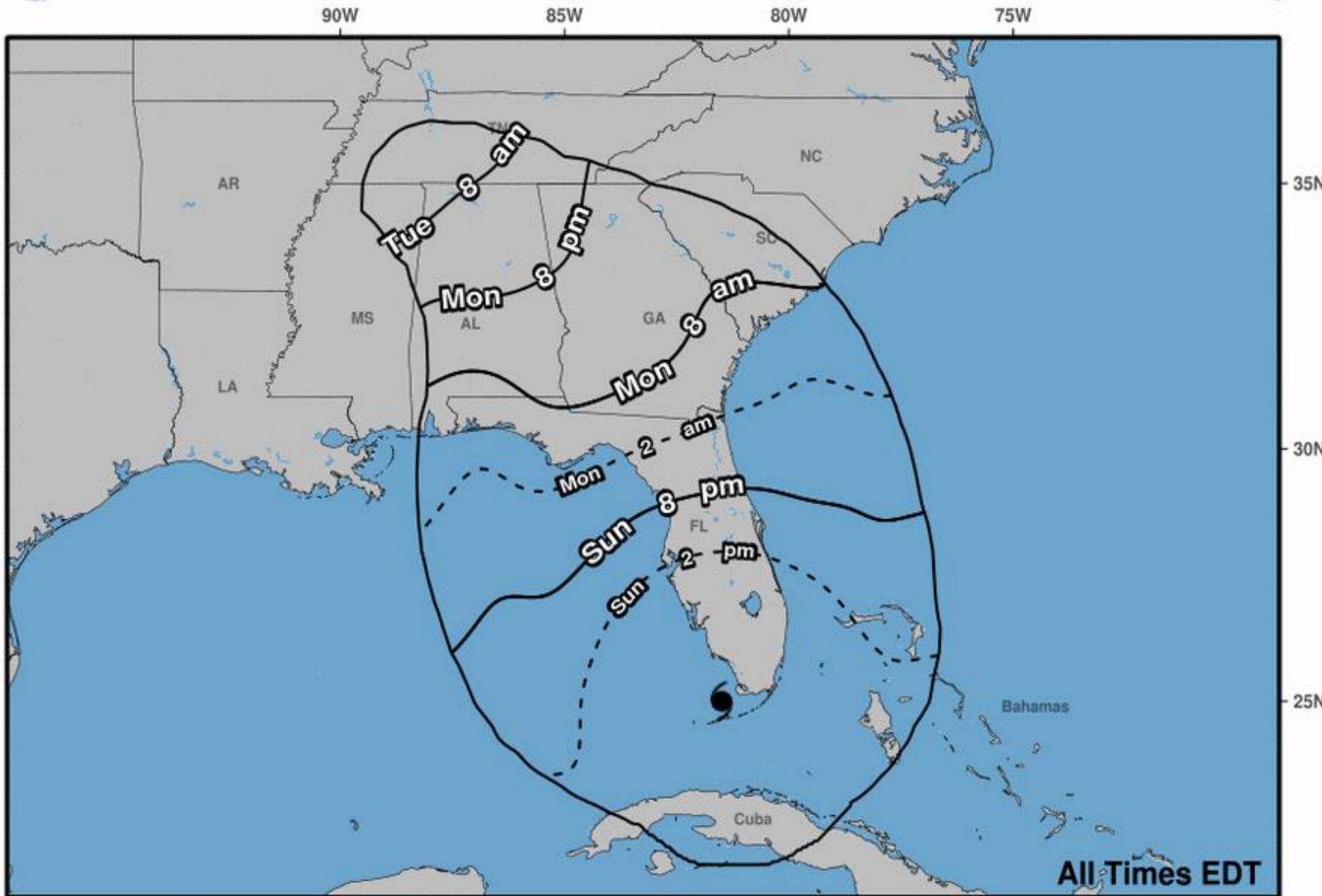


ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma



Most Likely Arrival Time of Tropical-Storm-Force Winds



- **From NHC I am Sunday Advisory**

Hurricane Irma
Sun. Sep. 10, 2017 11 am EDT
Advisory 46

Storm Location &
Wind Speed (knots)
○ <34 ◉ 34-63 ● ≥64

Maximum Wind Gusts

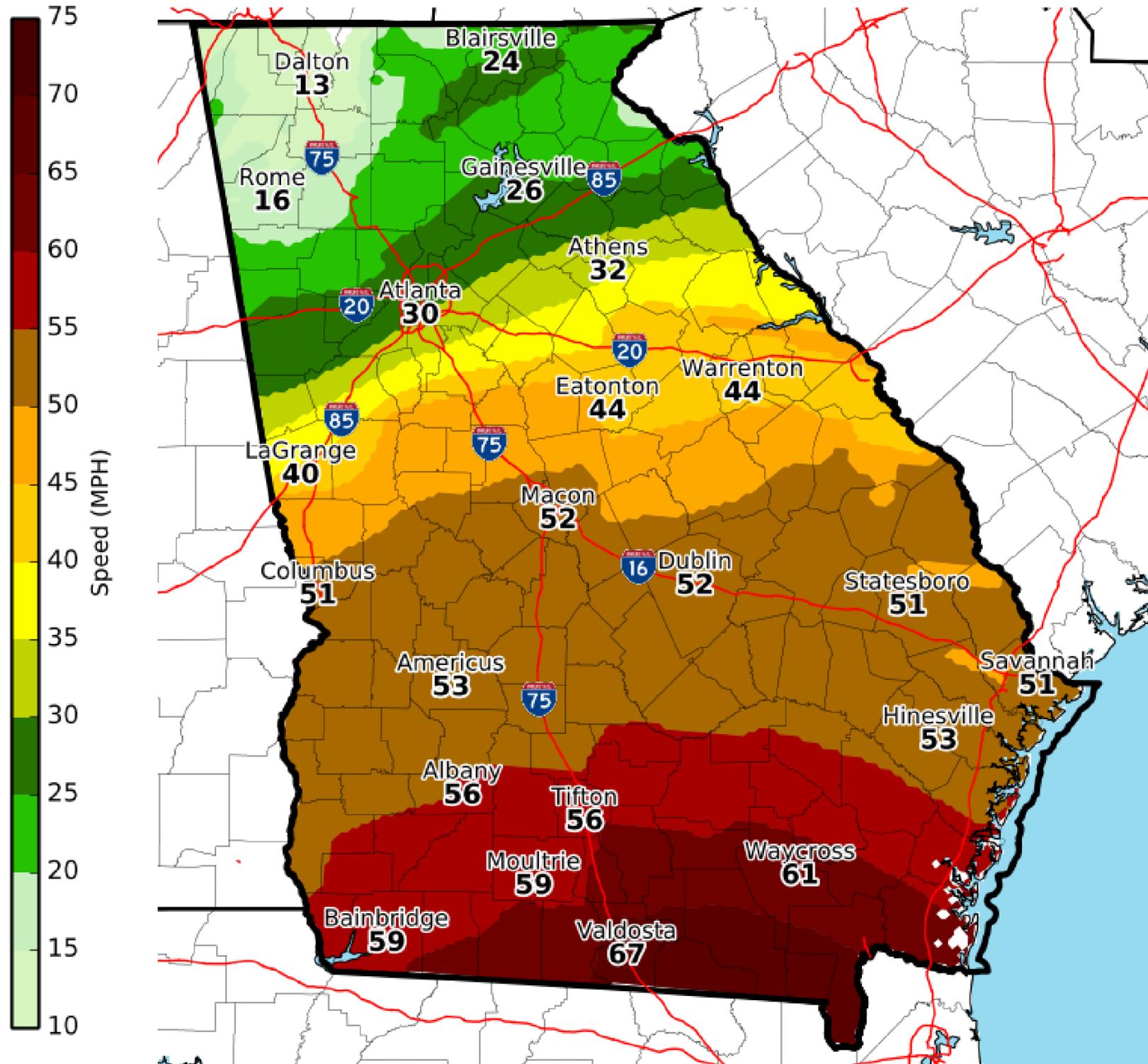


ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma

Max Wind Gust

Valid: 09/10/2017 08:00 PM - 09/11/2017 08:00 AM EDT



Sunday Night:

- Peak wind gusts
- These are not sustained winds
- Higher gusts likely within rain bands

Maximum Wind Gusts

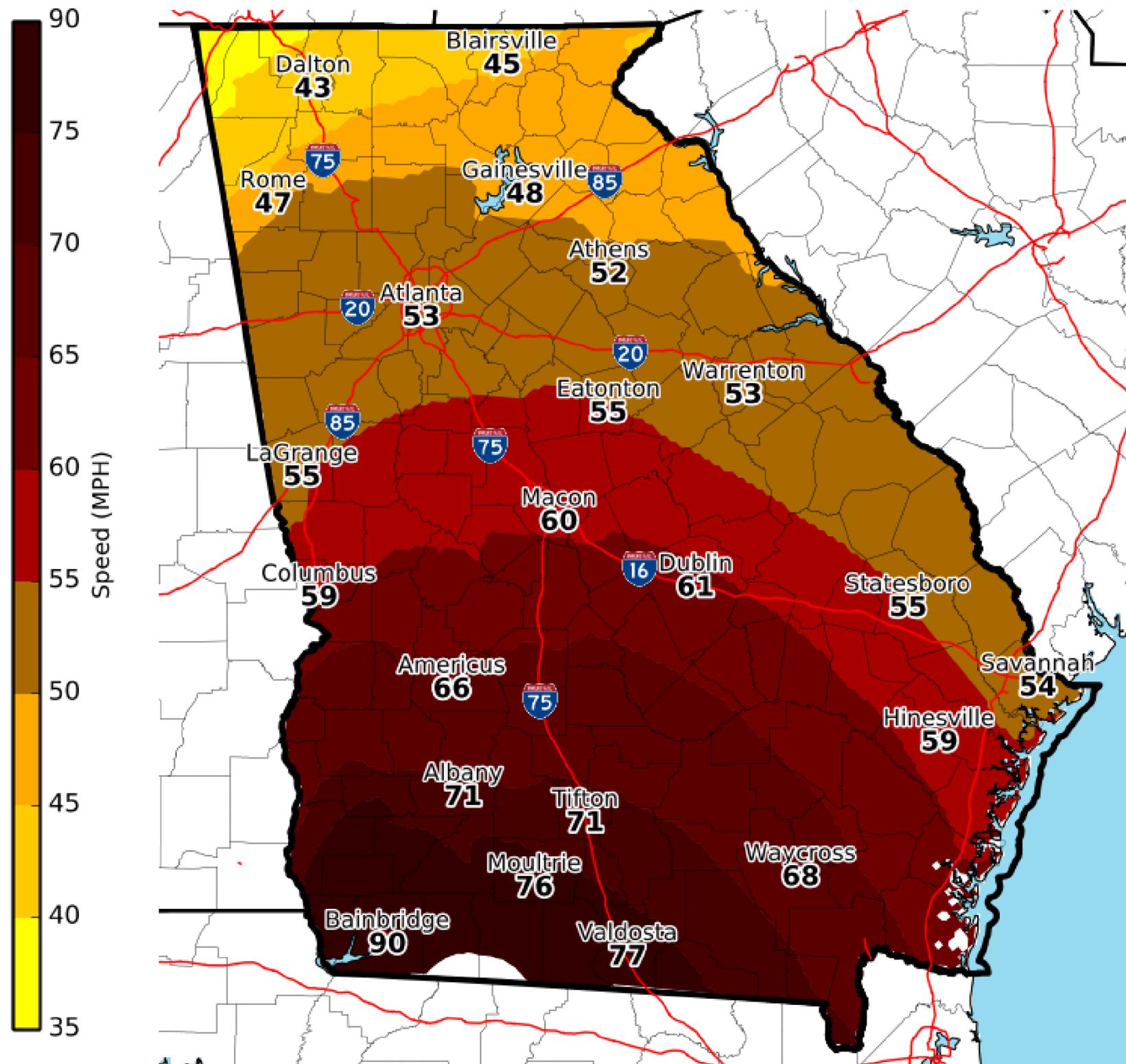


ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma

Max Wind Gust

Valid: 09/11/2017 08:00 AM - 09/11/2017 08:00 PM EDT



Monday (8am-8pm)

- Peak wind gusts
- These are not sustained winds
- Higher gusts likely within rain bands

Maximum Wind Gusts (Tuesday)

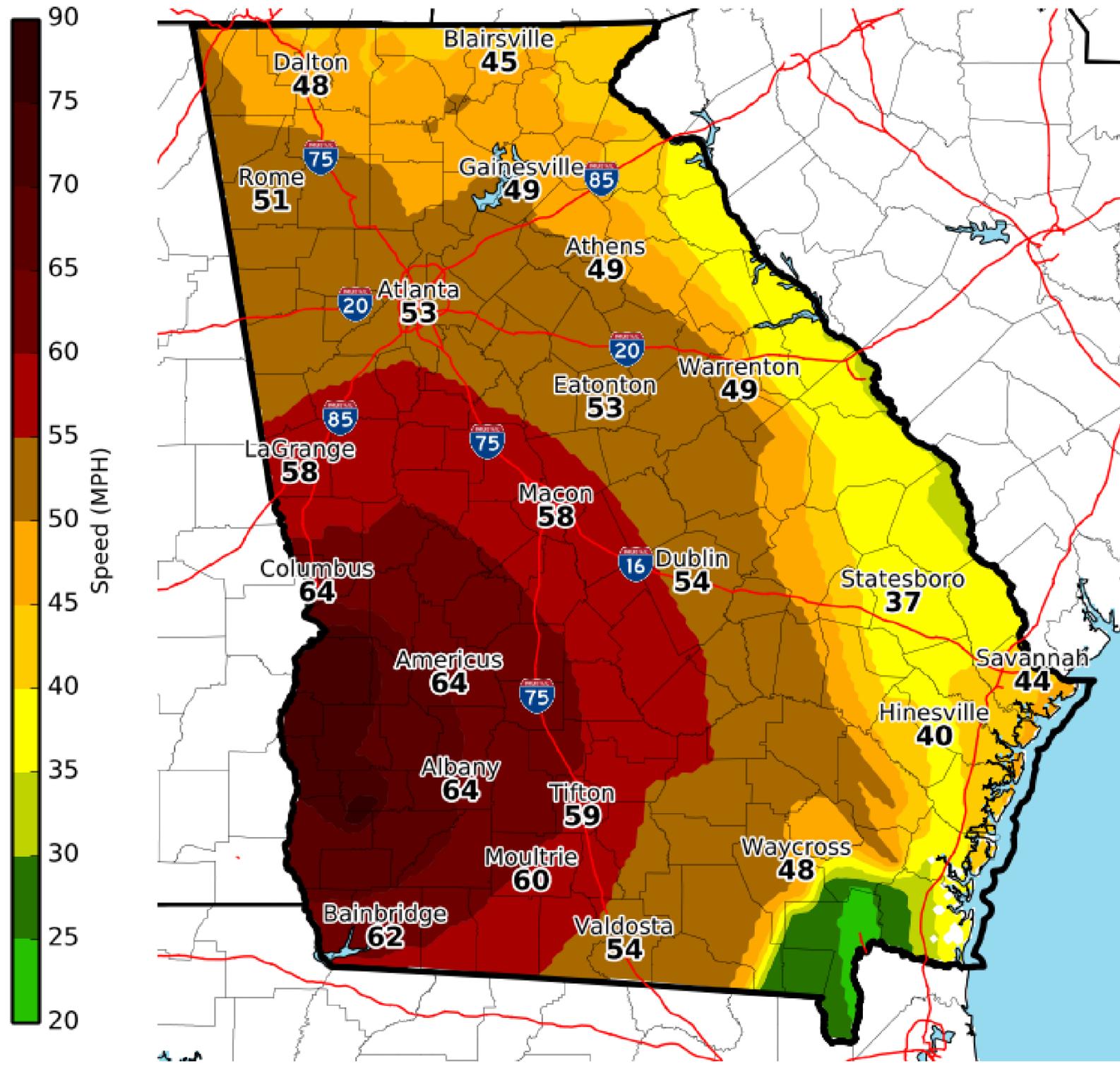


ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma

Max Wind Gust

Valid: 09/11/2017 08:00 PM - 09/12/2017 08:00 AM EDT



Monday night (mainly before midnight)

- Peak wind gusts
- These are not sustained winds
- Highest gusts likely within rain bands

Maximum Wind Gusts (Tuesday)

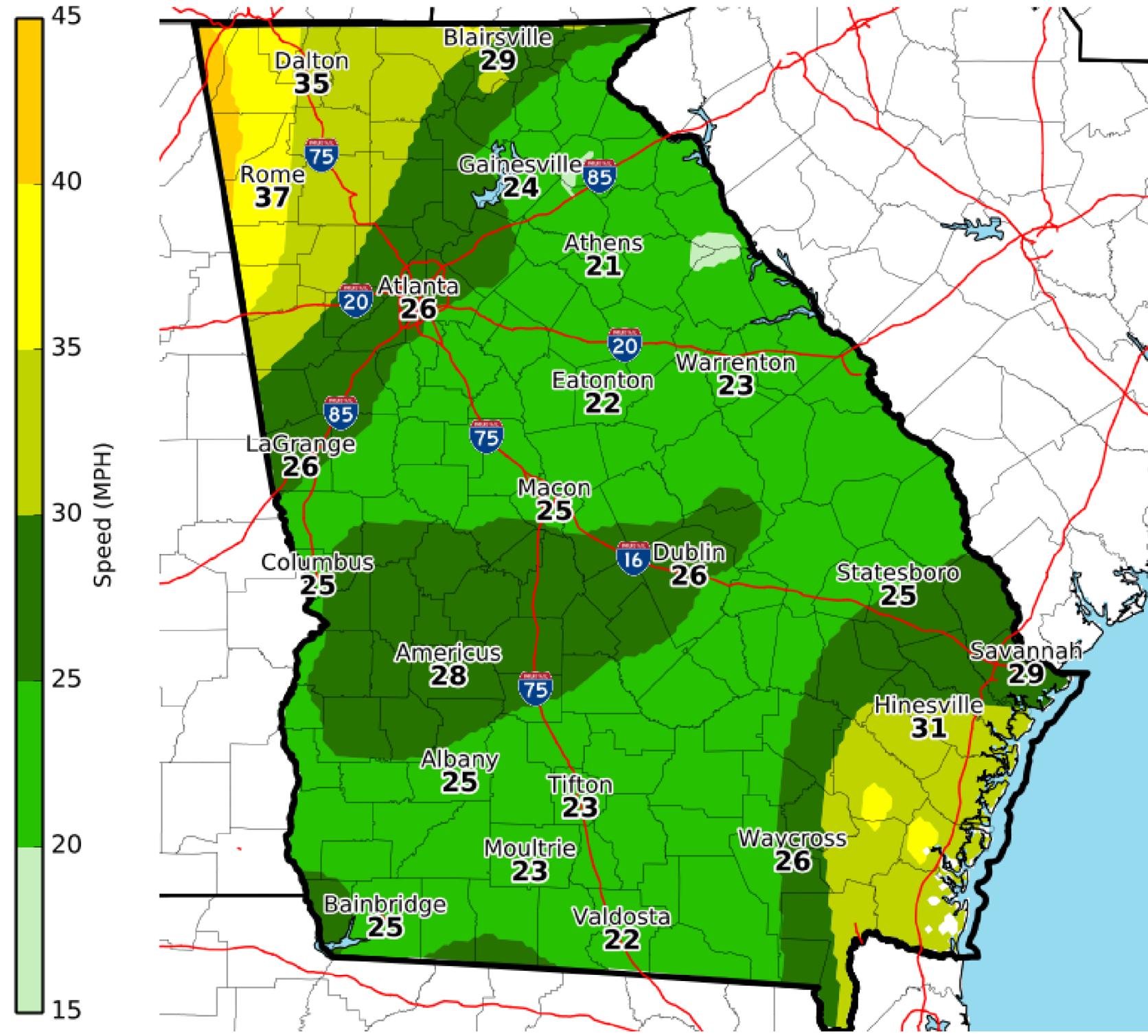


ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma

Max Wind Gust

Valid: 09/12/2017 08:00 AM - 09/12/2017 08:00 PM EDT



Tuesday (morning)

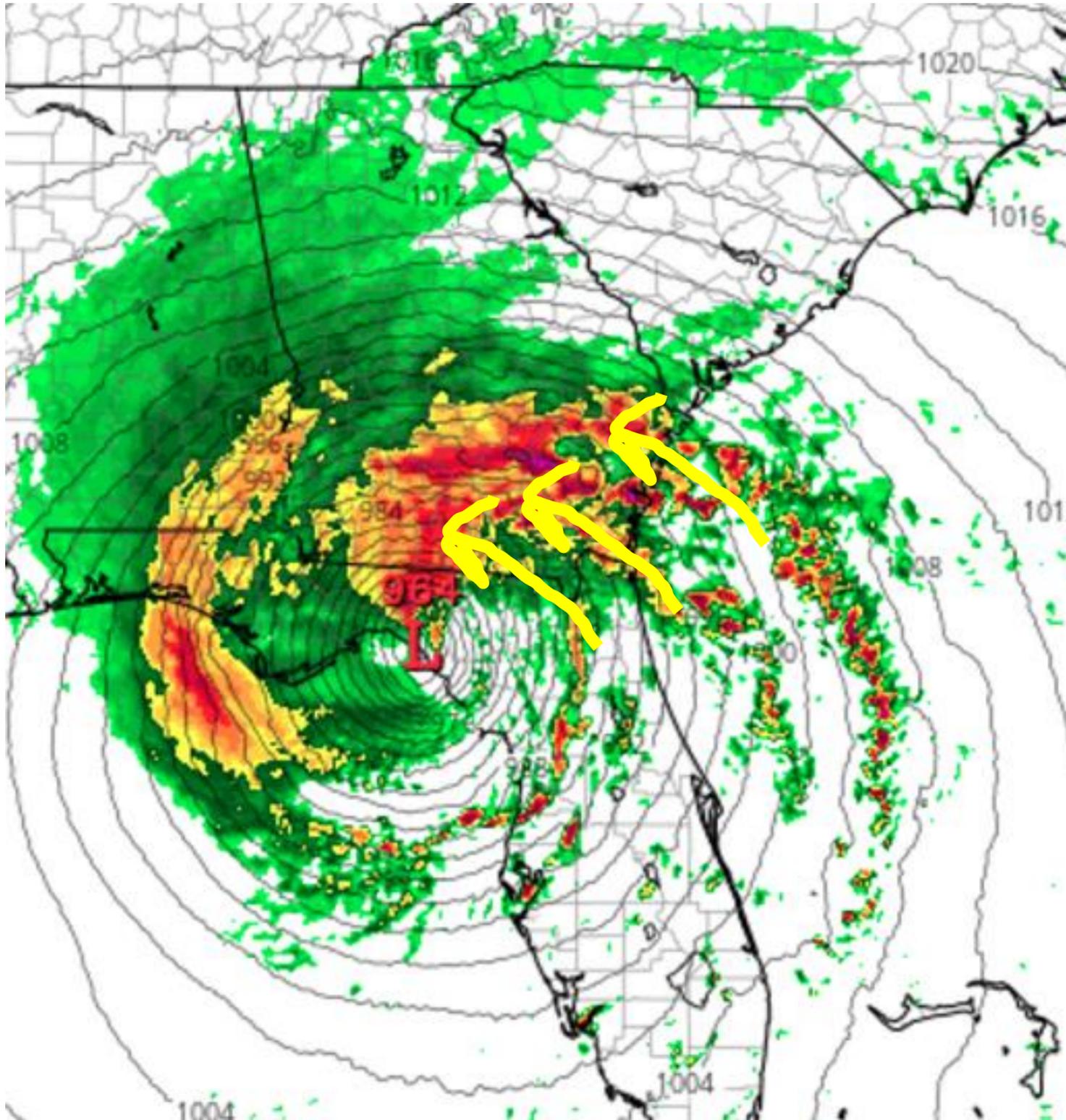
- Peak wind gusts
- These are not sustained winds
- Highest gusts likely within rain bands

Radar Forecast – late Mon AM



ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma



Impacts from outer rain bands associated with Irma:

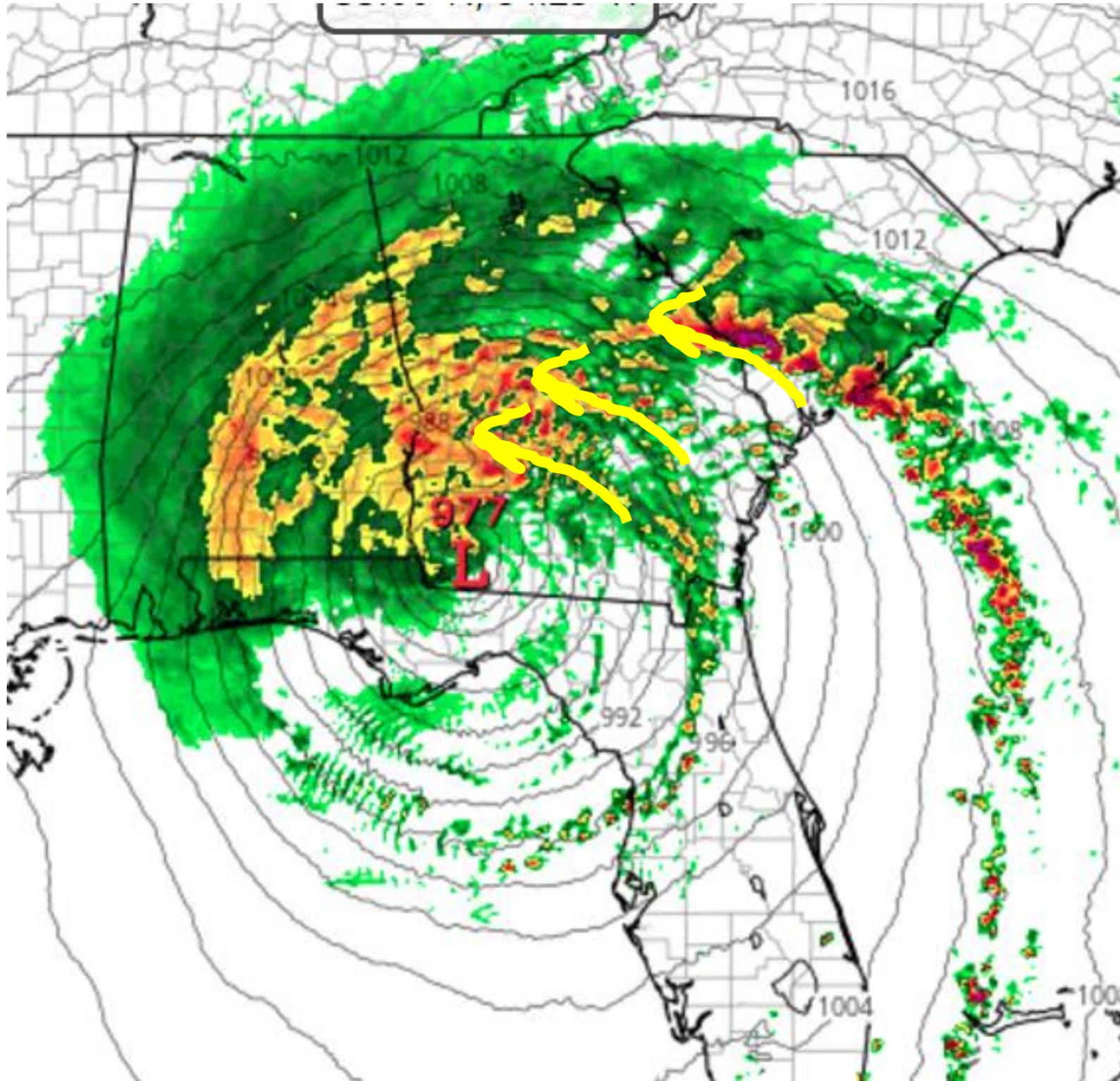
- Torrential rainfall: 1-2” per hour rain rates
- Flash Flooding (localized)
- Higher wind gusts (far from center of Irma)

Radar Forecast – mid PM Mon



ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma



Impacts from outer rain bands associated with Irma:

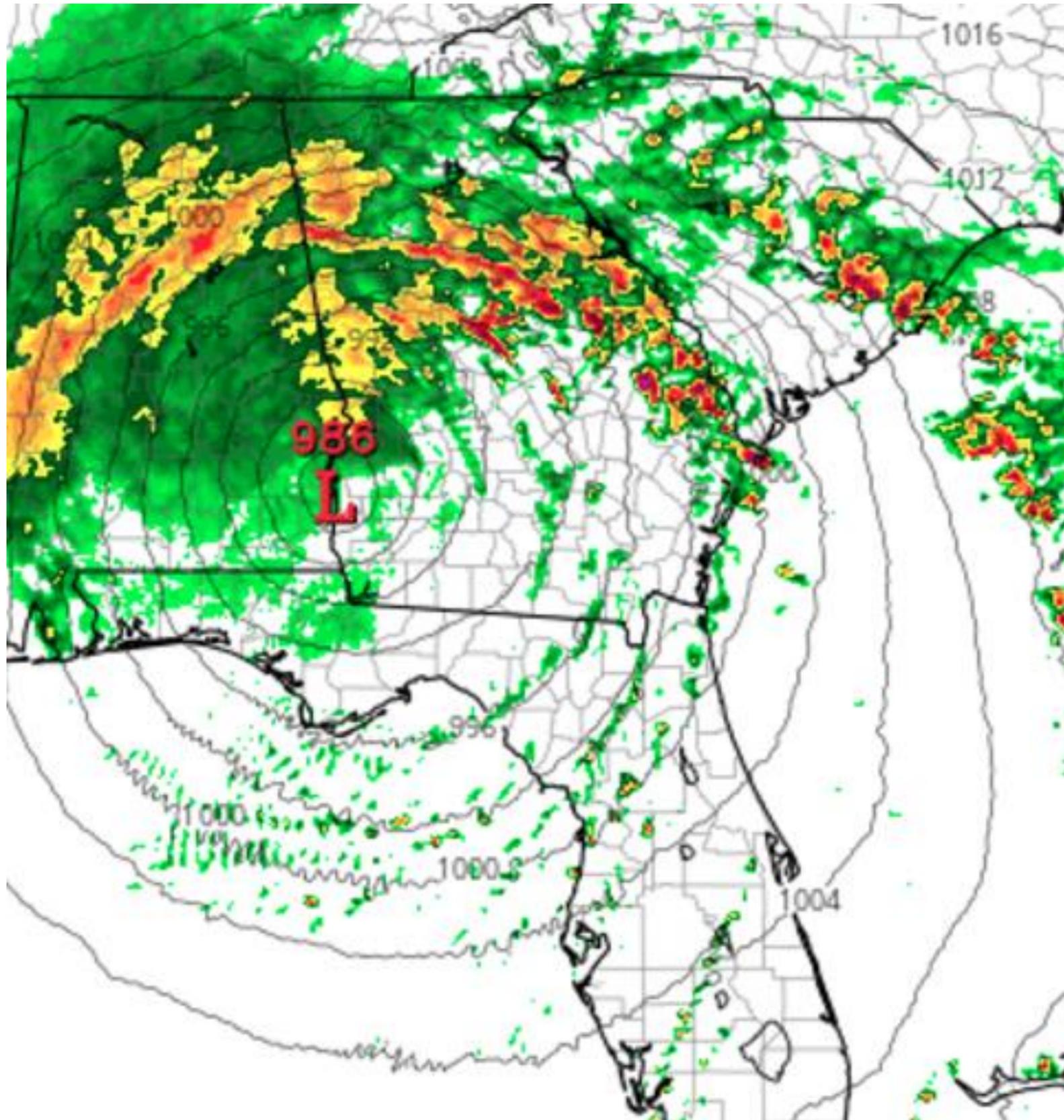
- Torrential rainfall: 1-2” per hour rain rates
- Flash Flooding (localized)
- Higher wind gusts (far from center of Irma)

Radar Forecast – Monday Evening



ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma



Impacts from outer rain bands associated with Irma:

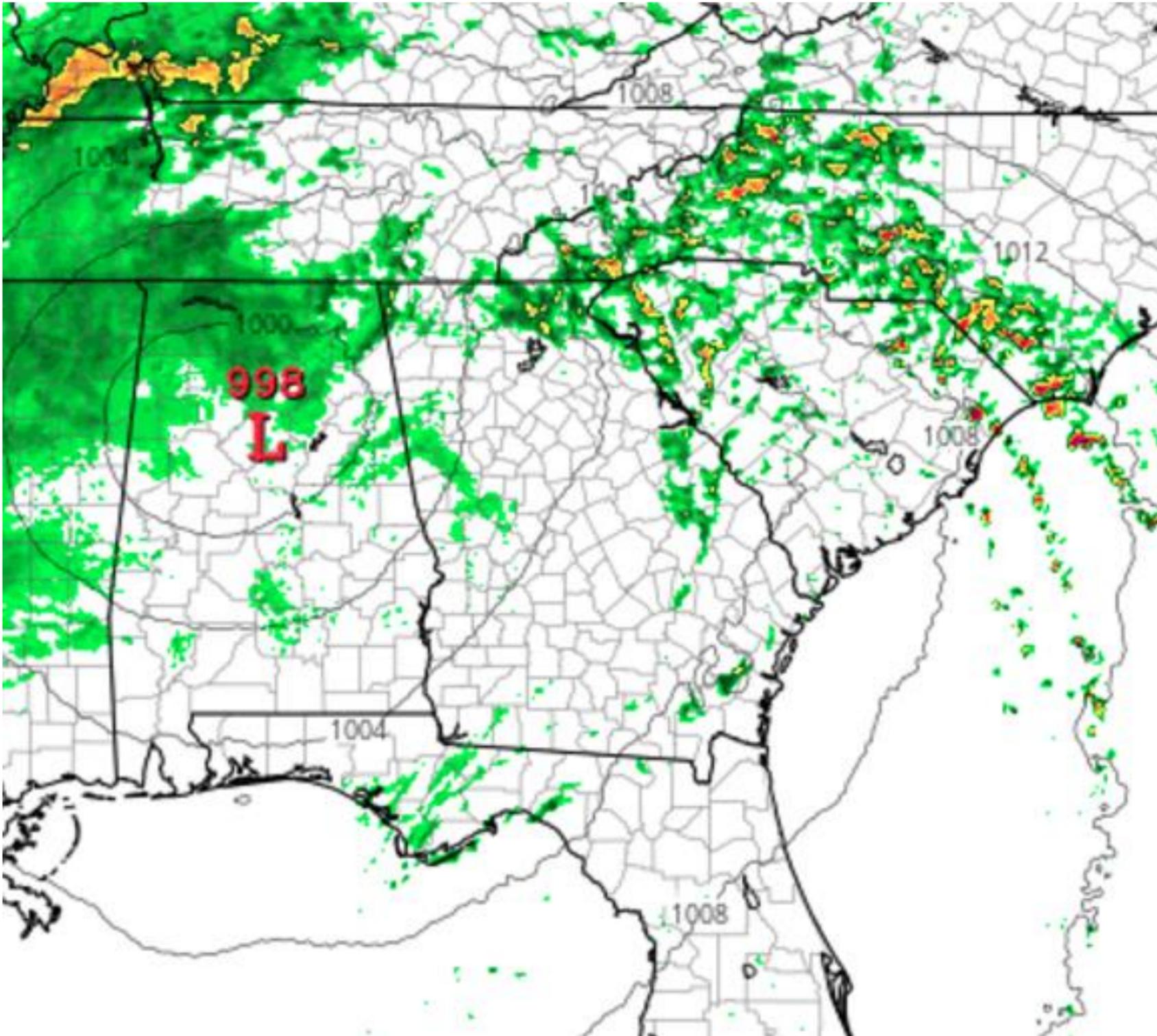
- Torrential rainfall: 1-2” per hour rain rates
- Flash Flooding (localized)
- Higher wind gusts (far from center of Irma)

Radar Forecast – Tuesday Morning



ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma



Impacts from outer rain bands associated with Irma:

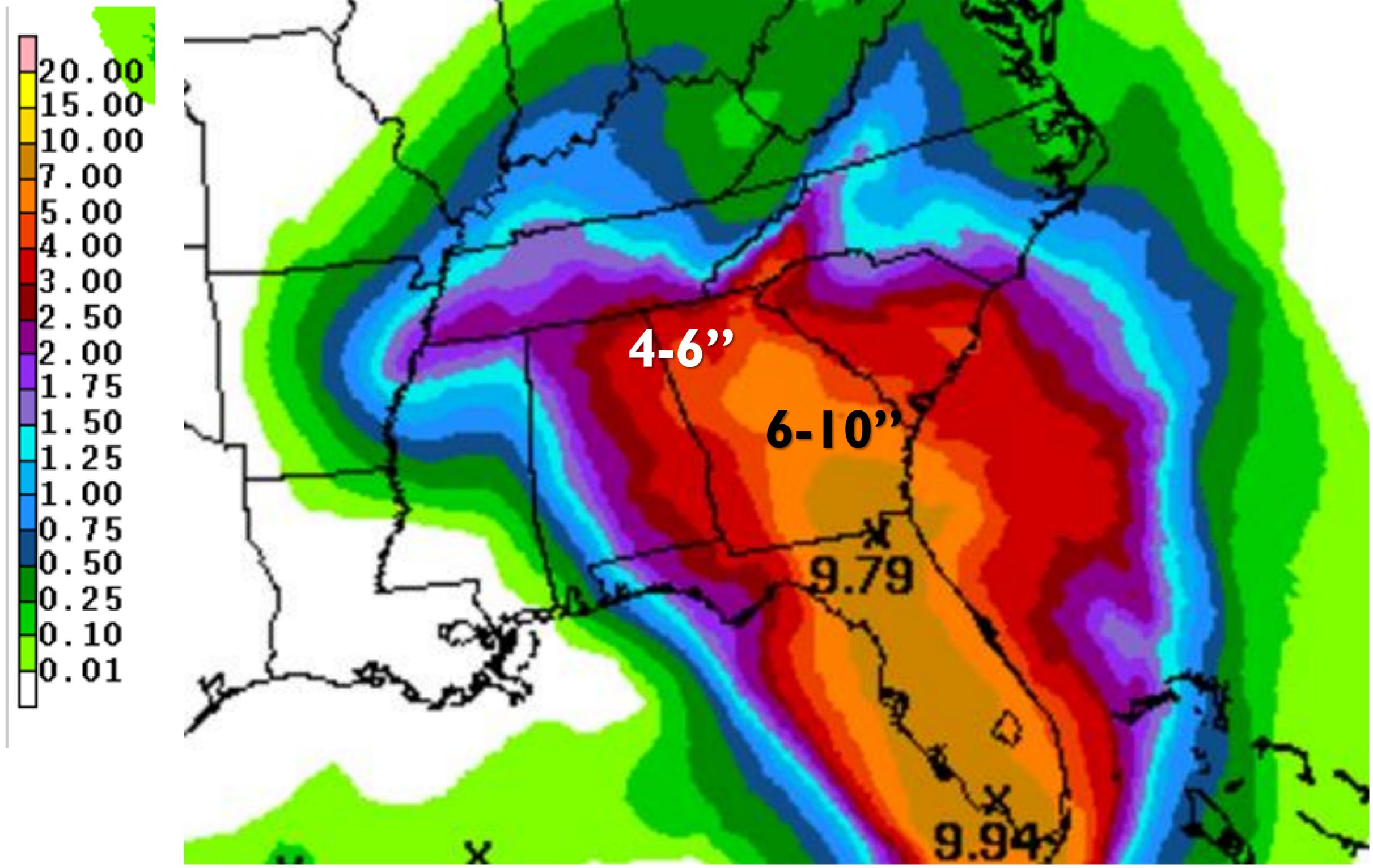
- Torrential rainfall: 1-2” per hour rain rates
- Flash Flooding (localized)
- Higher wind gusts (far from center of Irma)

Expected Storm Total Rainfall



ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma



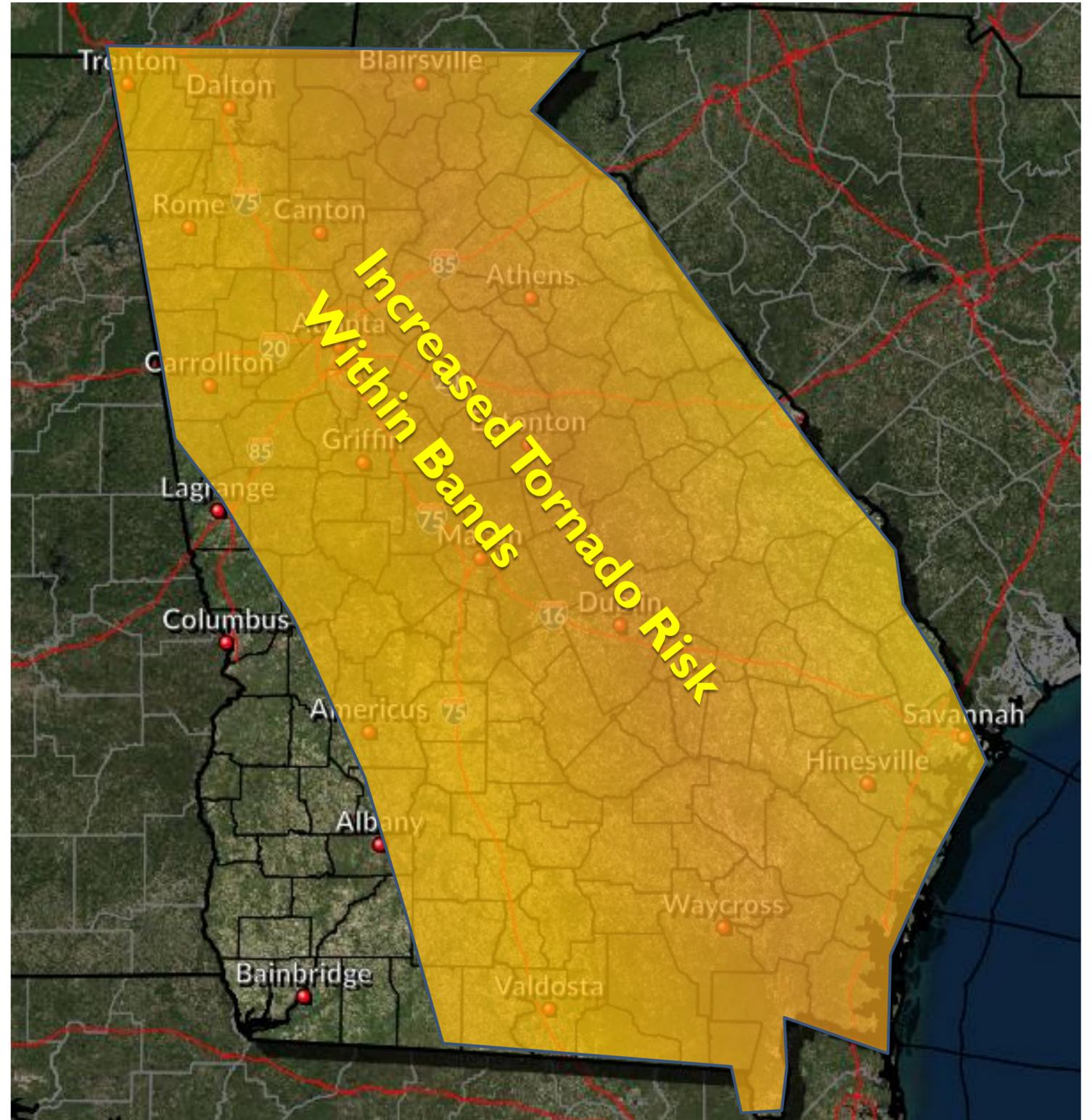
Tornado Risk - Monday



ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma

- Risk for tornadoes increase in rain bands along and east of the track
- Fast moving, short-lived, rain-wrapped
- Tornadoes would be coming from East or Southeast (typically from west or southwest)



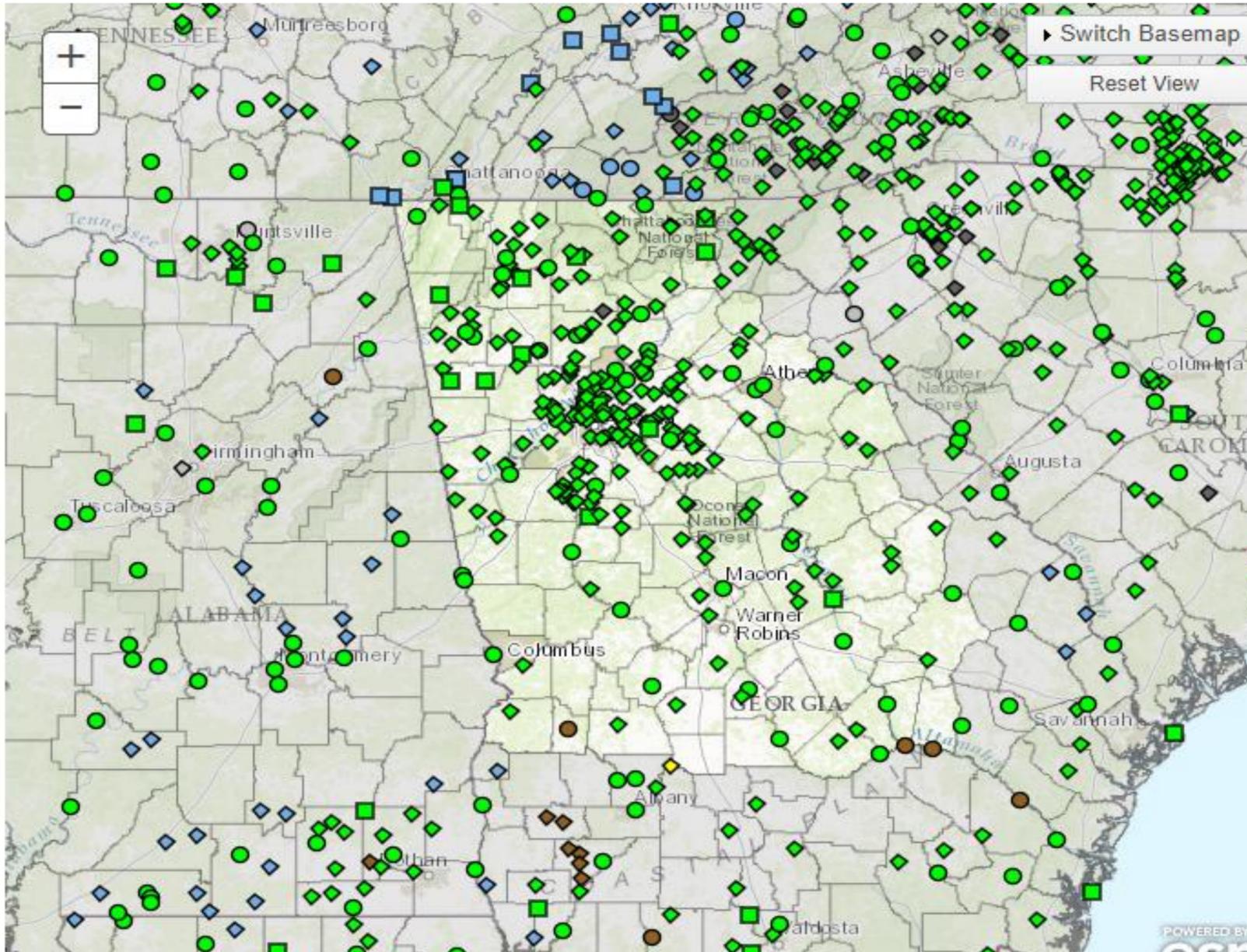
Potential for River Flooding



ATLANTA
WEATHER FORECAST OFFICE

Hurricane Irma

<http://water.weather.gov/ahps2/index.php?wfo=FFC>



- Starting later today, the River Forecast Center will include 72 hours of possible Rainfall in the river forecasts.
- You may start to see locations going into flood as a result
- **NOTE:** These will be contingent upon the accuracy of the forecast rainfall.
 - We will not be issuing flood warnings based on this, but will mention in any flood watch issued.