

## IMPACTS FOR **USCG District 7**

Winds – **MODERATE**

Storm Surge – **MODERATE**

Rainfall/Flash Flooding – **MODERATE**

Tornadoes – **LOW**

Waves - **HIGH**

# TROPICAL STORM ISAIAS BRIEFING

4:00 PM EDT

Monday, August 3, 2020

Prepared by:

**Brad Reinhart**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



NHC\_TAFB

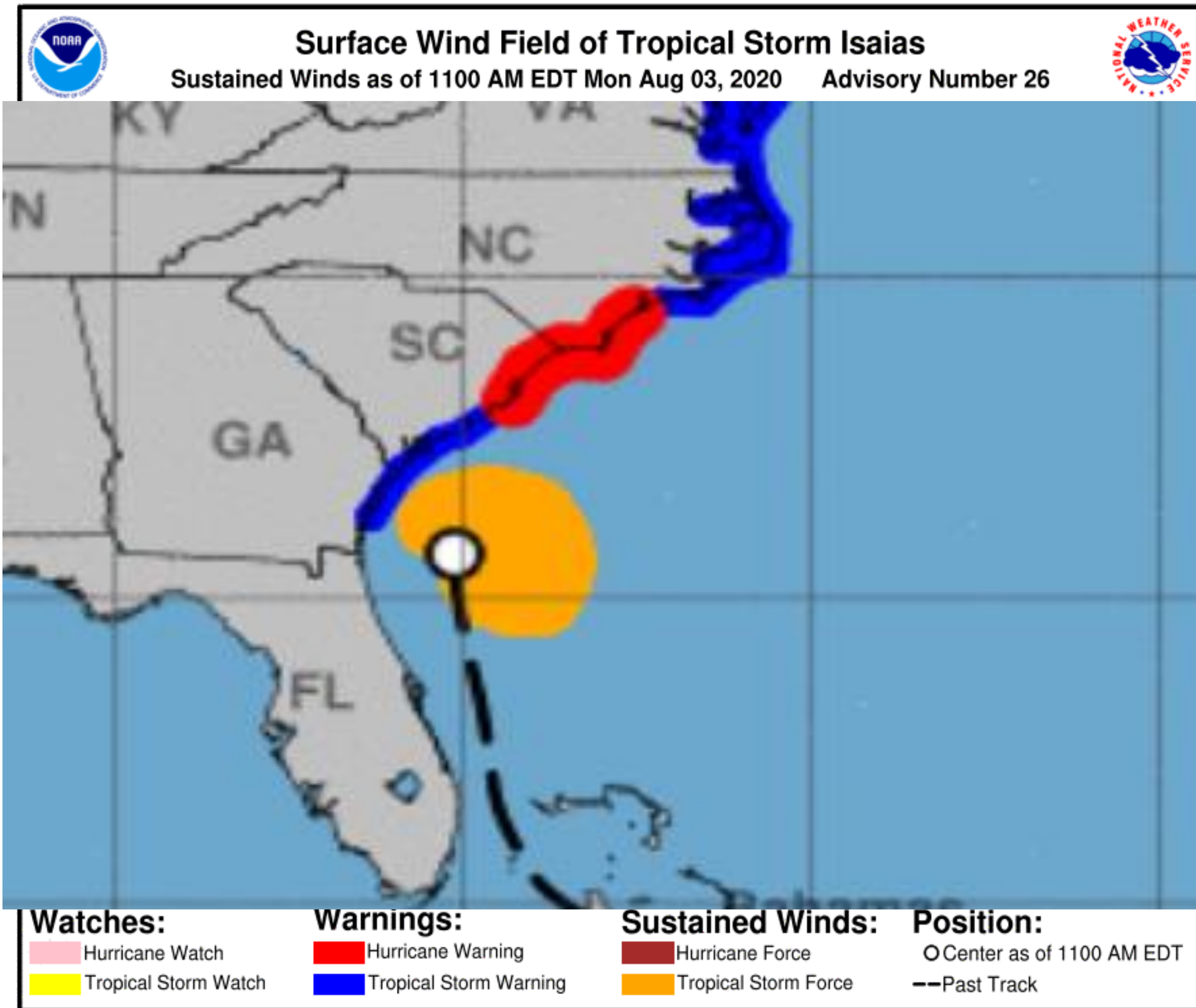
[www.nhc.noaa.gov](http://www.nhc.noaa.gov)

# Situation Overview

## Tropical Storm Isaias



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



...Isaias still expected to make landfall tonight as a hurricane...

...Strong winds and heavy rainfall likely for the eastern Carolinas tonight and Tuesday...

### Summary of 200 PM EDT Information

Location... 31.2N 80.0W

About 100 nm...S of Charleston, SC

About 156 nm... SSW of Myrtle Beach, SC

Maximum Sustained Winds... 60 kt

Present Movement... N or 5 degrees at 11 kt

Minimum Central Pressure... 993 mb

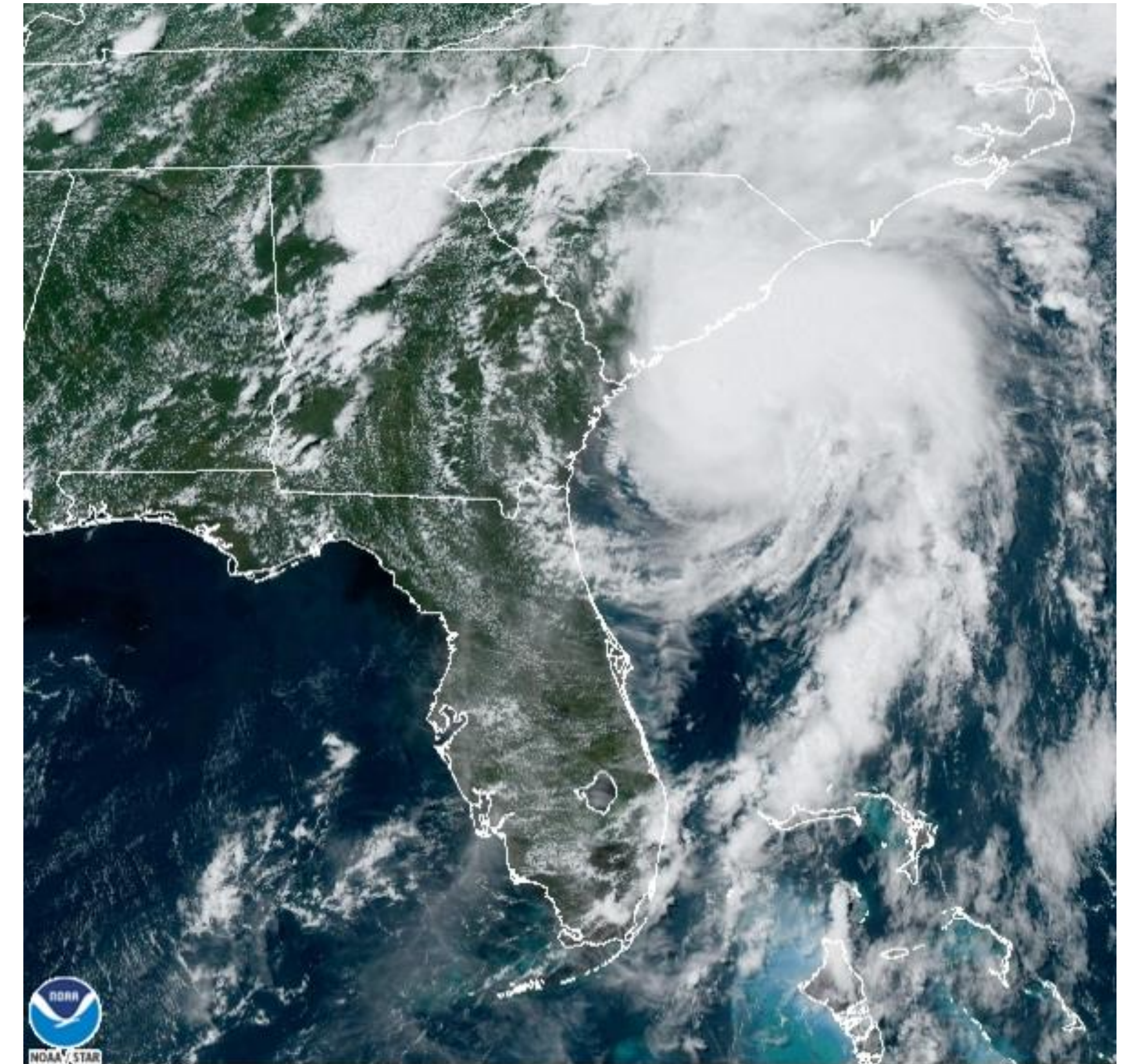
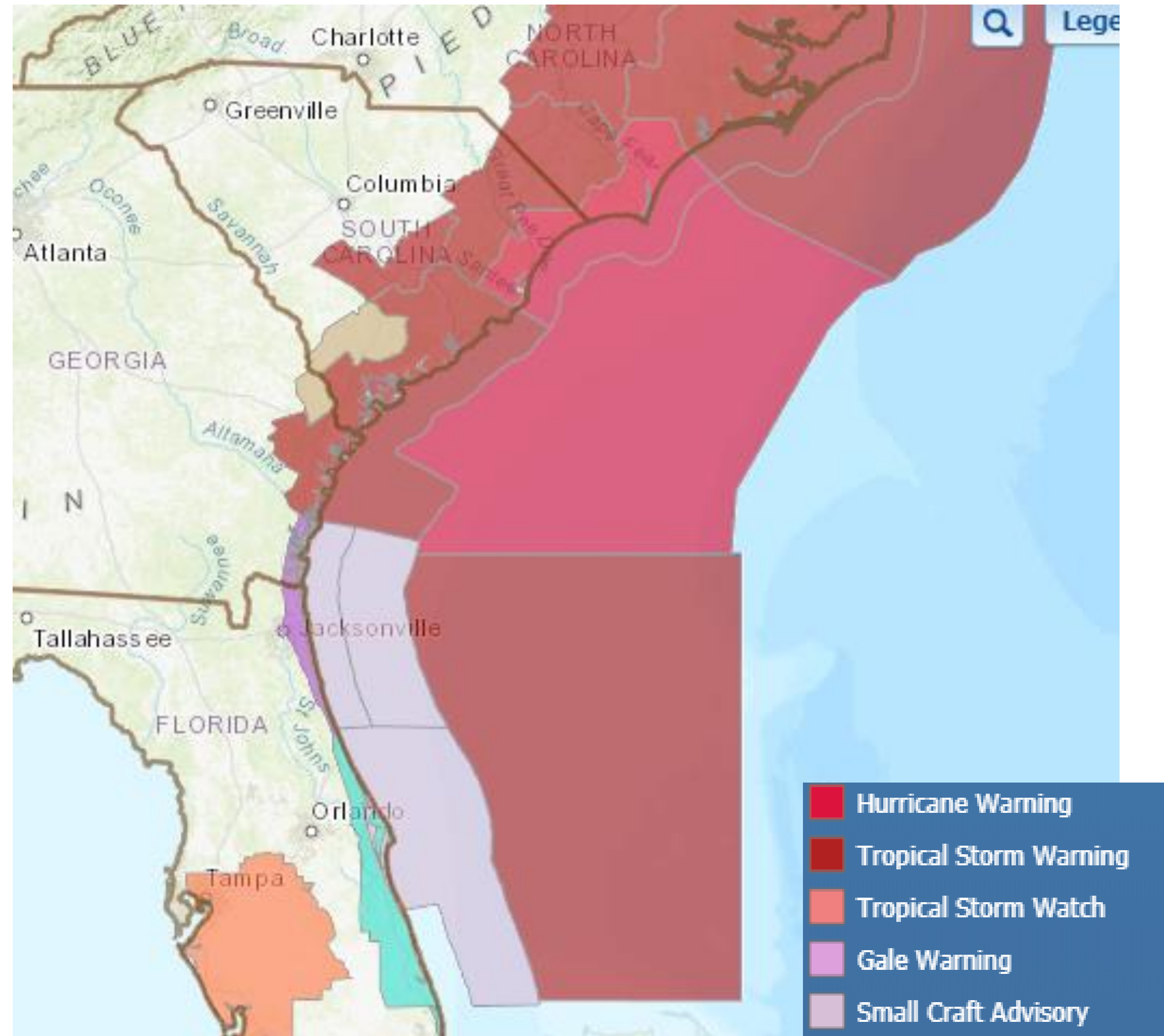


# Hazards Map

## Tropical Storm Isaias



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



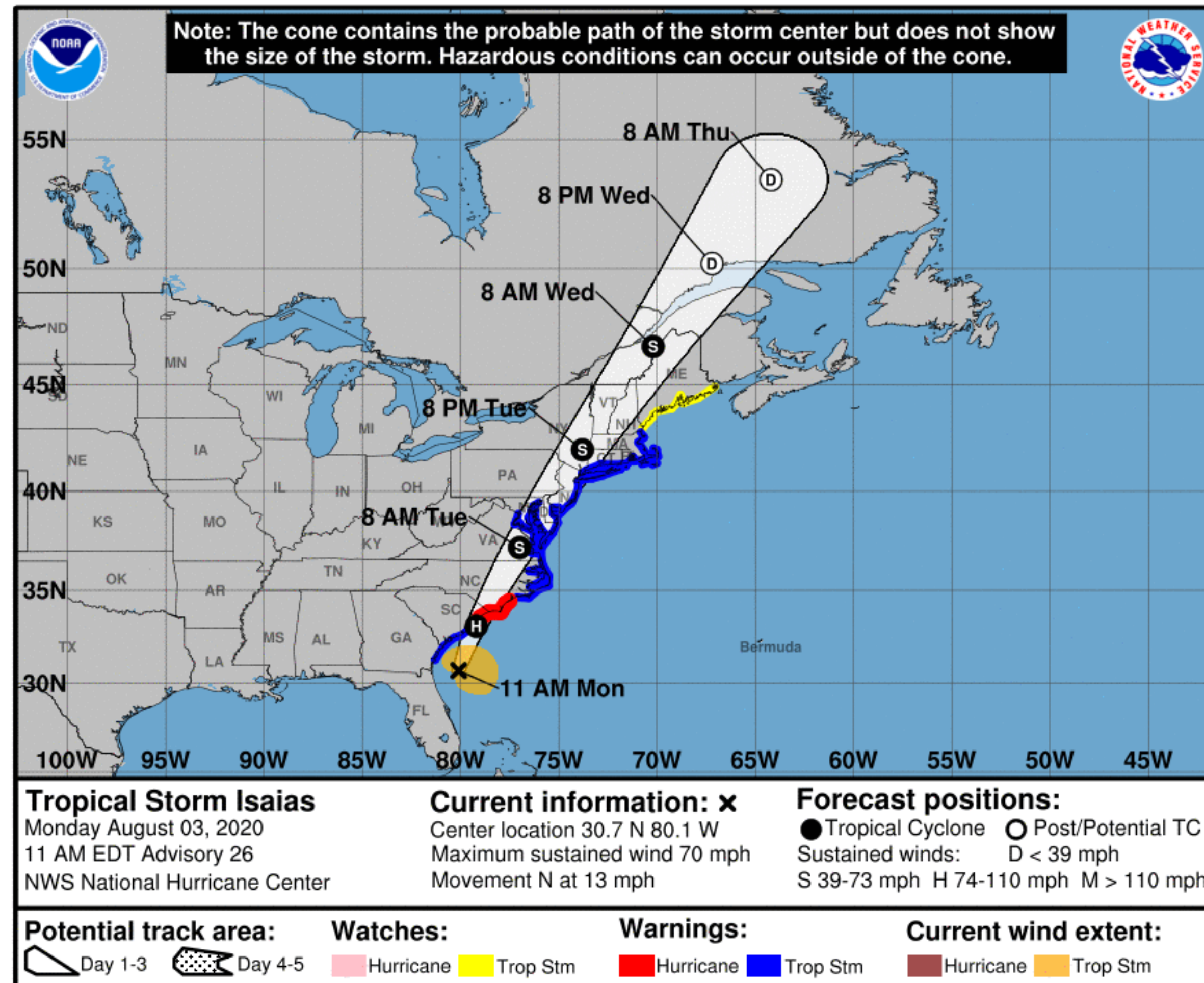


# Forecast Information

## Tropical Storm Isaias



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

- Isaias will move north-northeast and approach the coasts of northeastern South Carolina and southern North Carolina within the hurricane warning area this evening.
- Isaias will make landfall over eastern North Carolina tonight and continue moving north of the area on Tuesday.

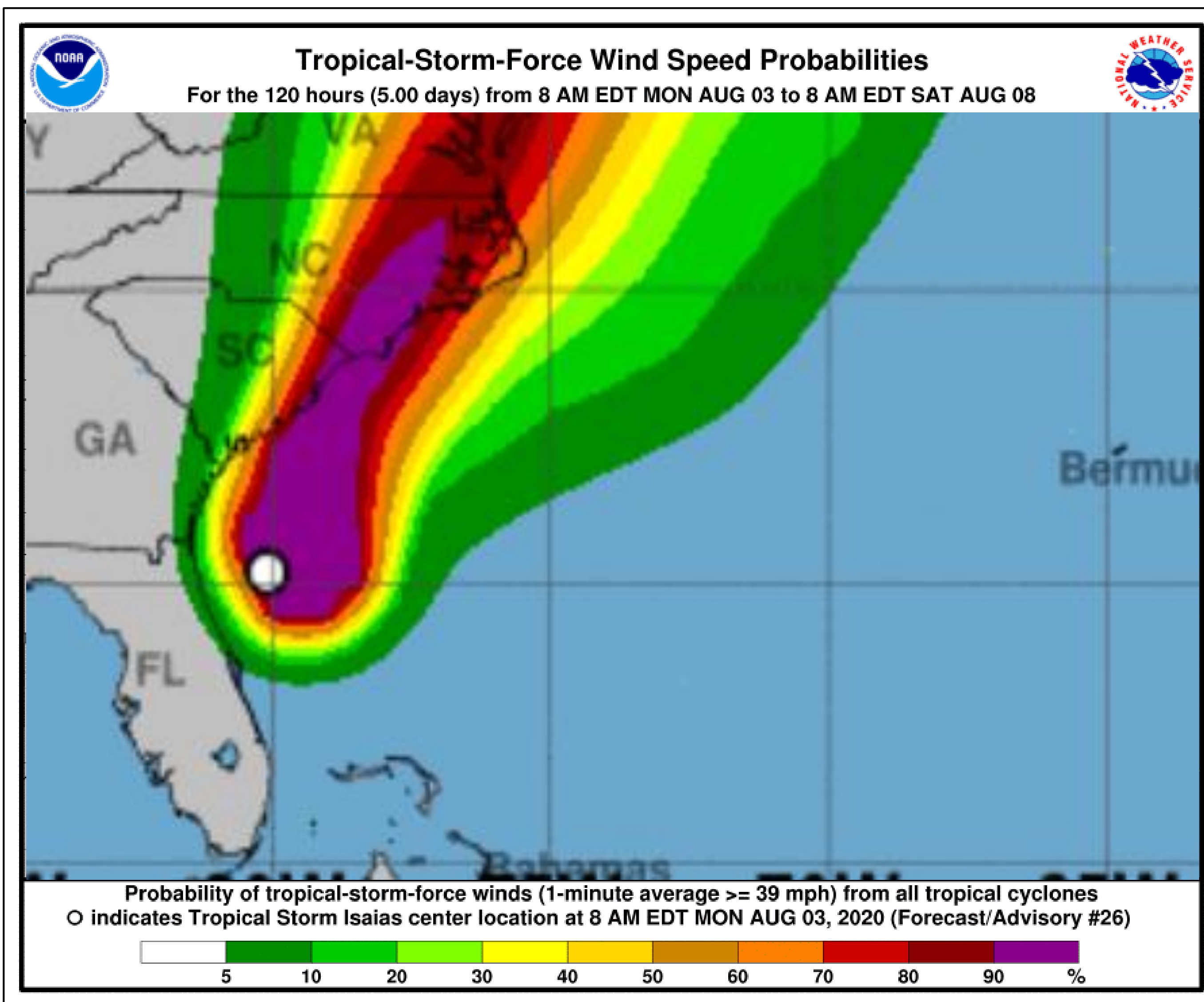


# T.S. Wind Speed Probabilities

Tropical Storm Isaias



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Savannah, GA – 3%
- Charleston, SC – 69%
- Georgetown, SC – 88%
- Myrtle Beach, SC – 94%
- Wilmington, NC – 93%



# Most Likely Time of Arrival

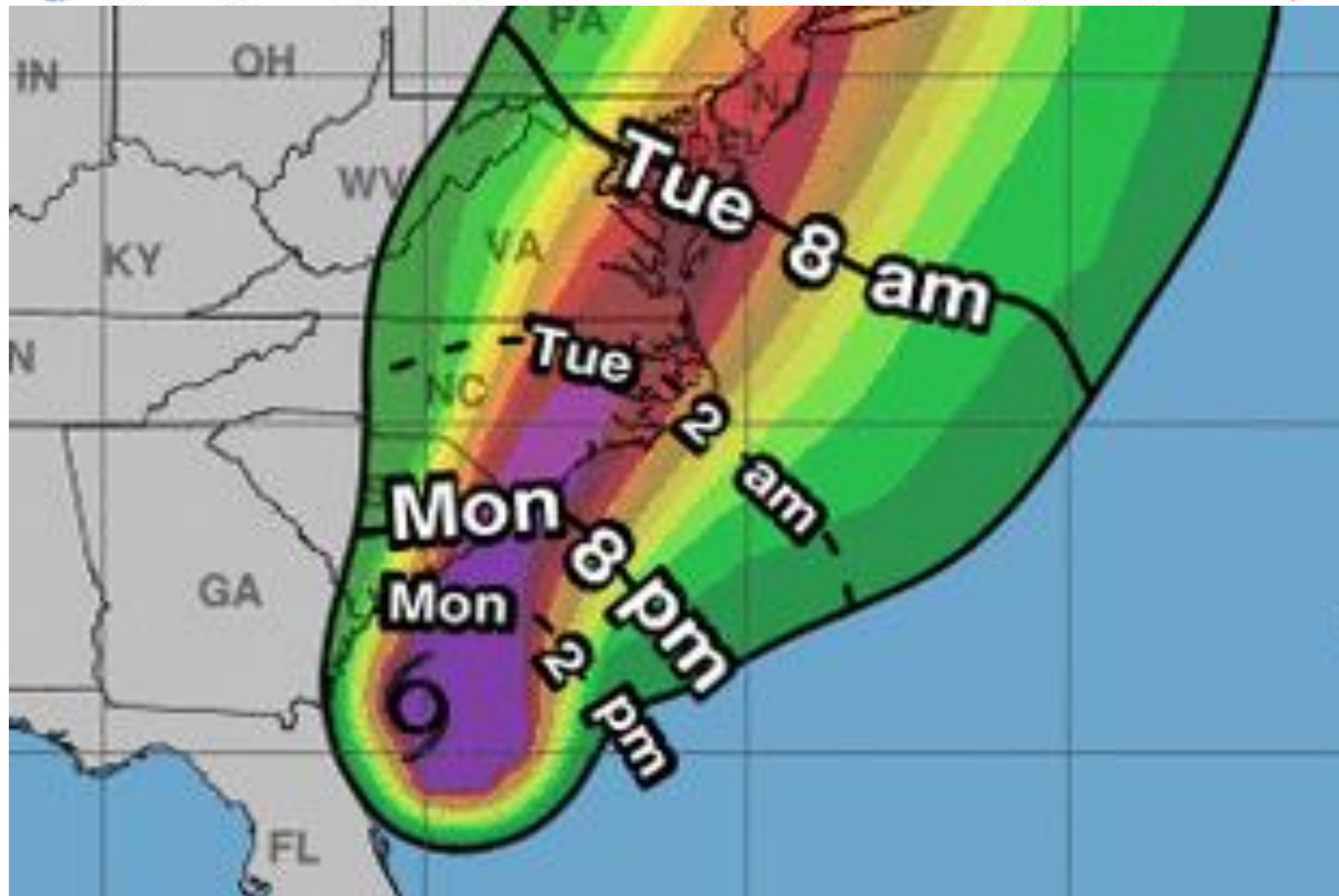
Tropical Storm Isaias



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



0-3 Day Most Likely Arrival Time of Tropical-Storm-Force Winds



**Tropical Storm Isaias**  
Mon. Aug. 3, 2020 11 am EDT  
Advisory 26

Storm Location & Wind Speed  
○ < 34 kt (39 mph)  
○ 34-63 kt (39-73 mph)  
● ≥ 64 kt (74 mph)

3-day chance of receiving sustained 34+ kt (39+ mph) winds  
5 10 20 30 40 50 60 70 80 90 100 %

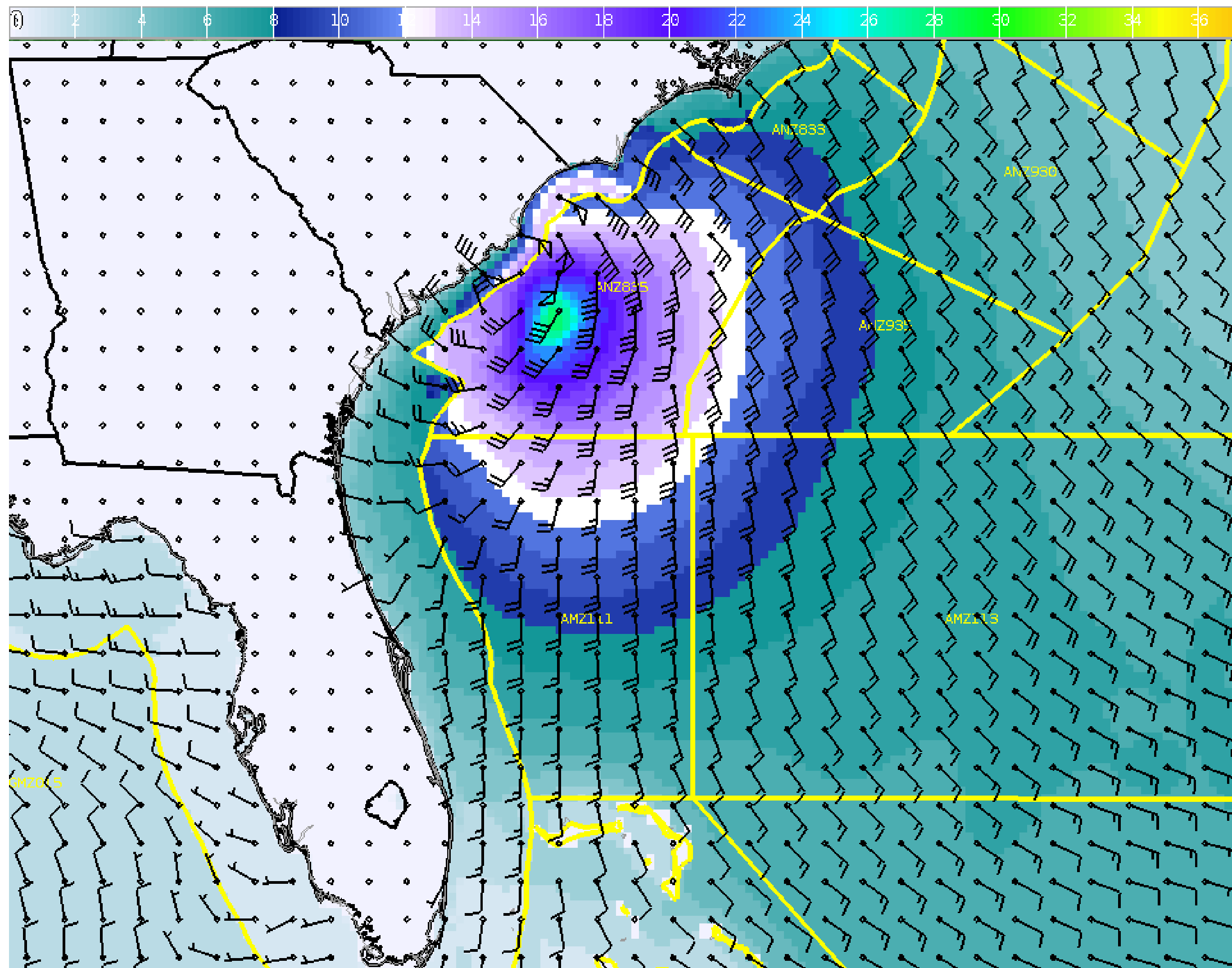
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- NE South Carolina – this evening

# Wind And Waves

## Tropical Storm Isaias



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**Tonight**

**8pm EDT, Monday, August 3, 2020**

Peak Winds: 65 kt

Peak Seas: 28 ft

- Wave heights are in feet

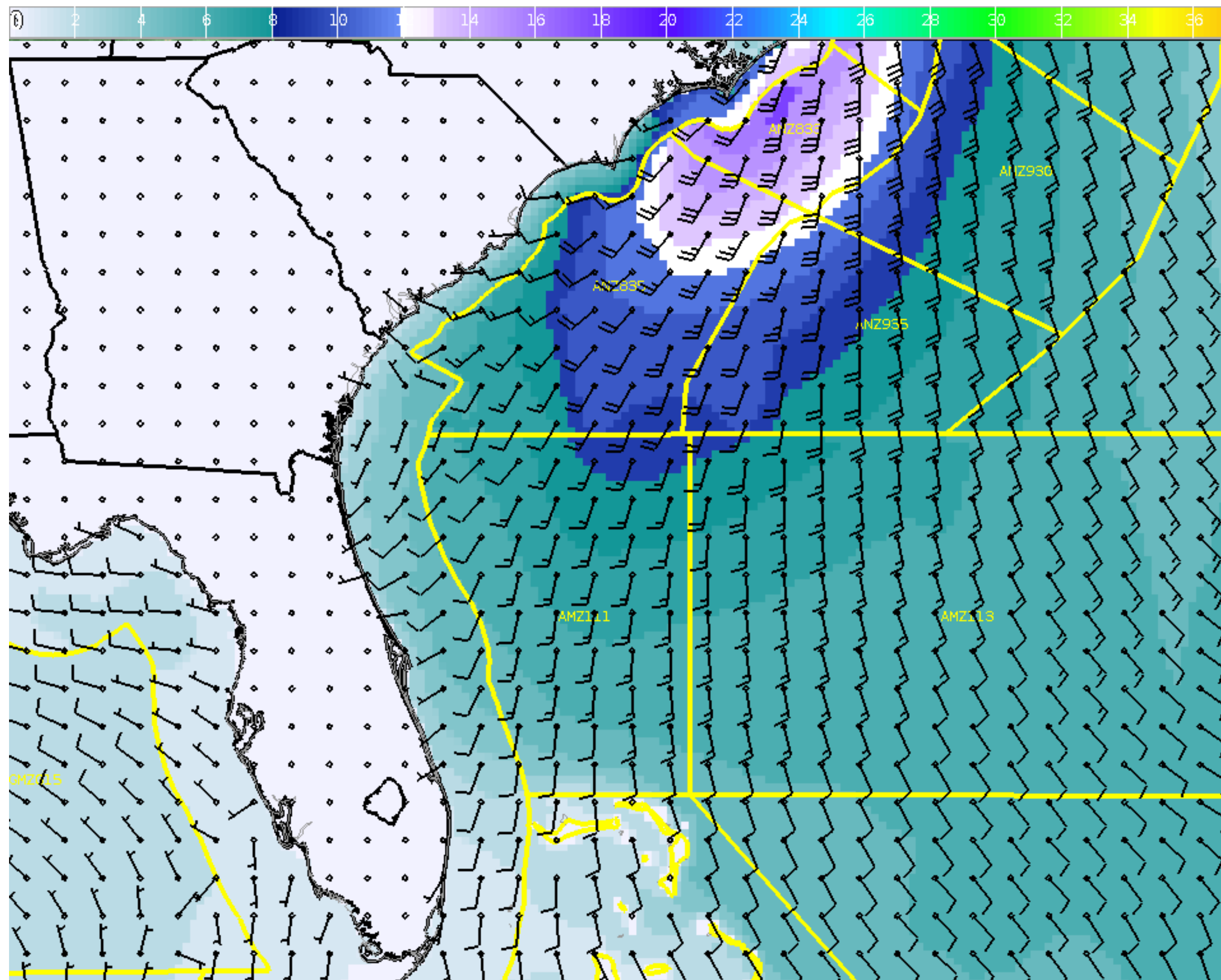


# Wind And Waves

## Tropical Storm Isaias



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**Tue morning**

**8am EDT, Tuesday, August 4, 2020**

Winds: 20-30 kt (South Carolina offshore waters)

Seas: 10-15 ft (South Carolina offshore waters)

- Wave heights are in feet

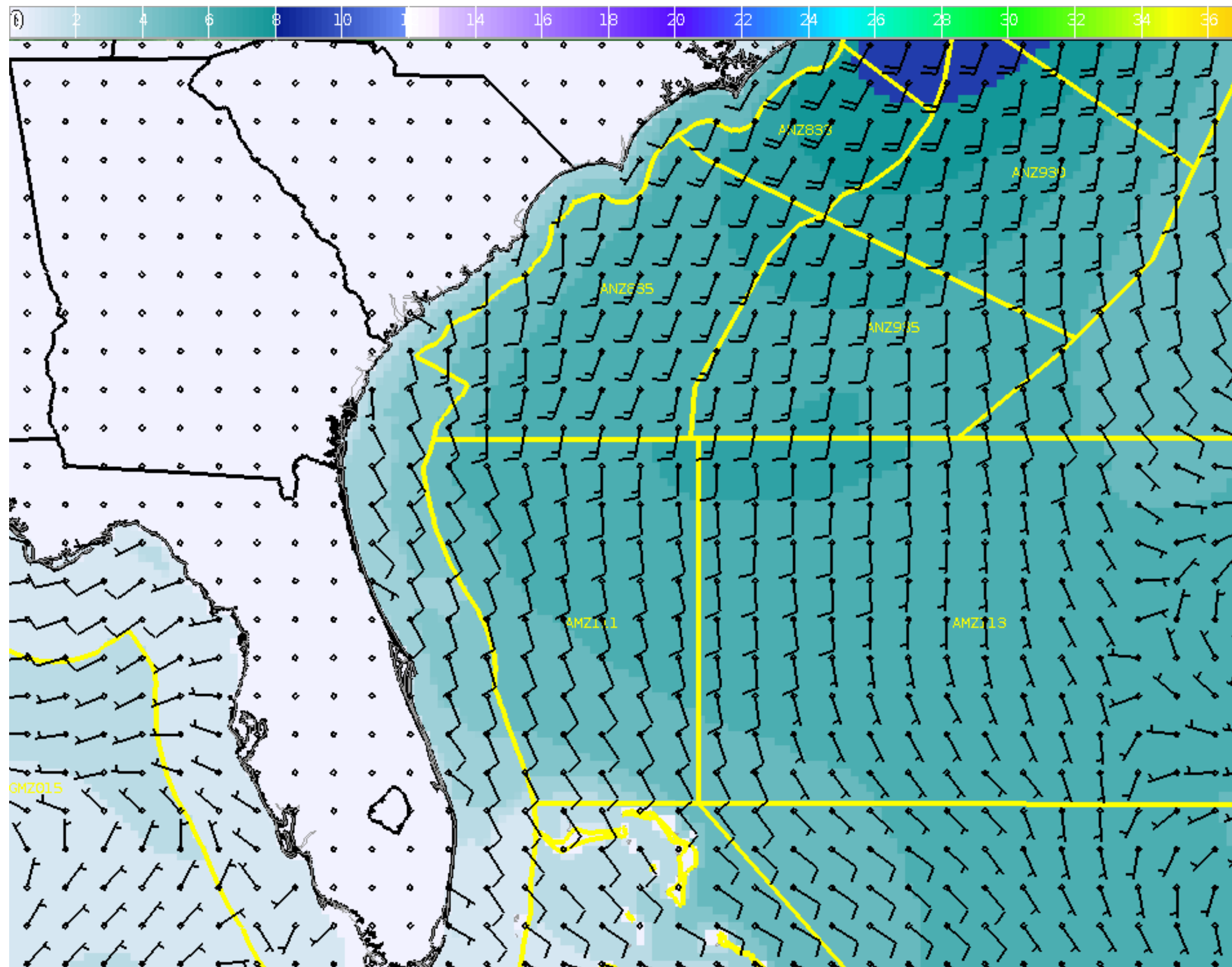


# Wind And Waves

## Tropical Storm Isaias



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**Tue night**

**8pm EDT, Tuesday, August 4, 2020**

Winds: 15 kt (South Carolina offshore waters)

Seas: 5-7 ft (South Carolina offshore waters)

- Wave heights are in feet

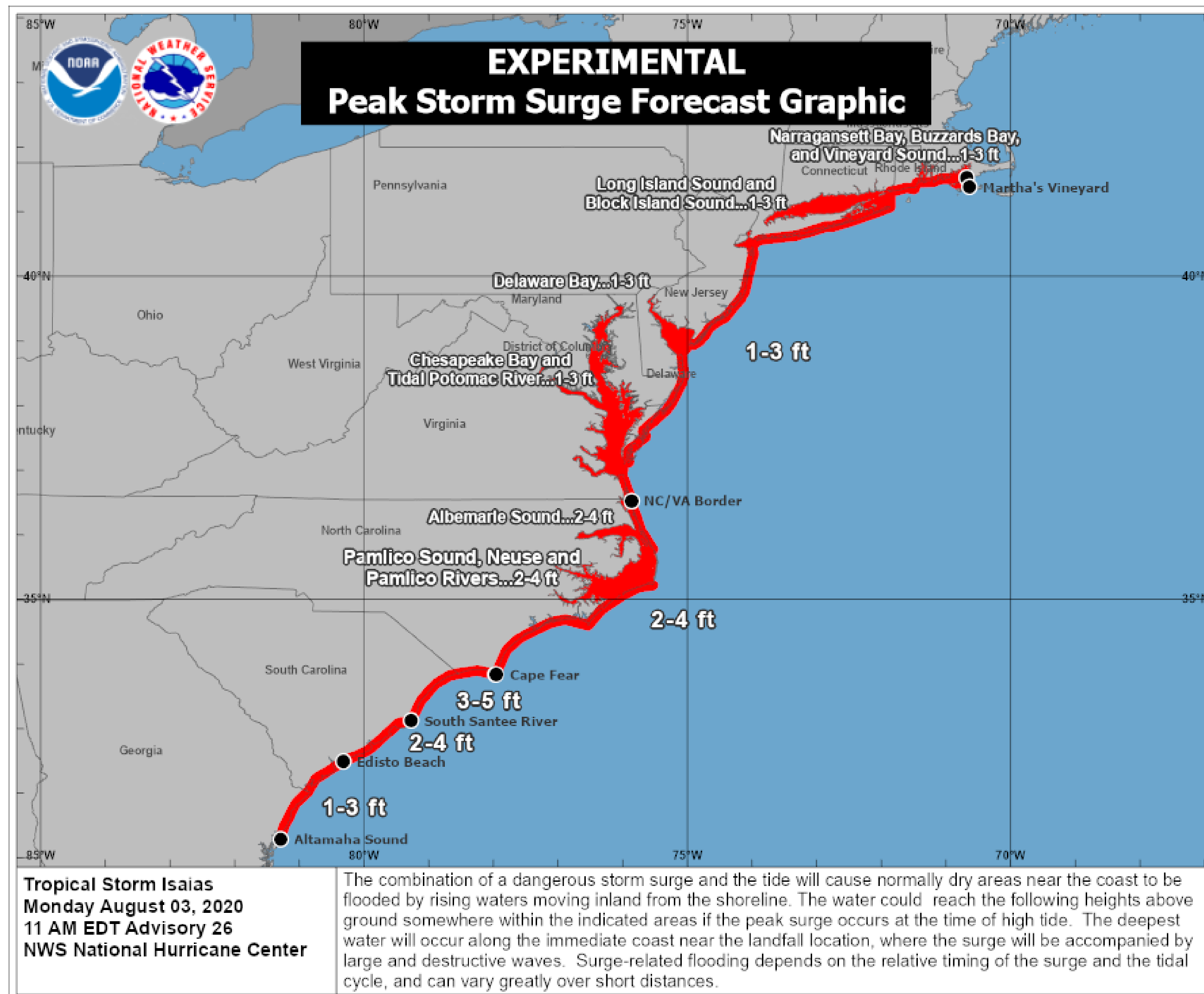


# Storm Surge Watches/Warnings

Tropical Storm Isaias



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- **Storm surge warning is in effect from Edisto Beach, SC to Cape Fear, NC**

## Potential Surge Inundation

- 3-5 ft from South Santee River, SC to Cape Fear, NC
- 2-4 ft from Edisto Beach, SC to South Santee River, SC
- 1-3 ft from Altamaha Sound, GA to Edisto Beach, SC

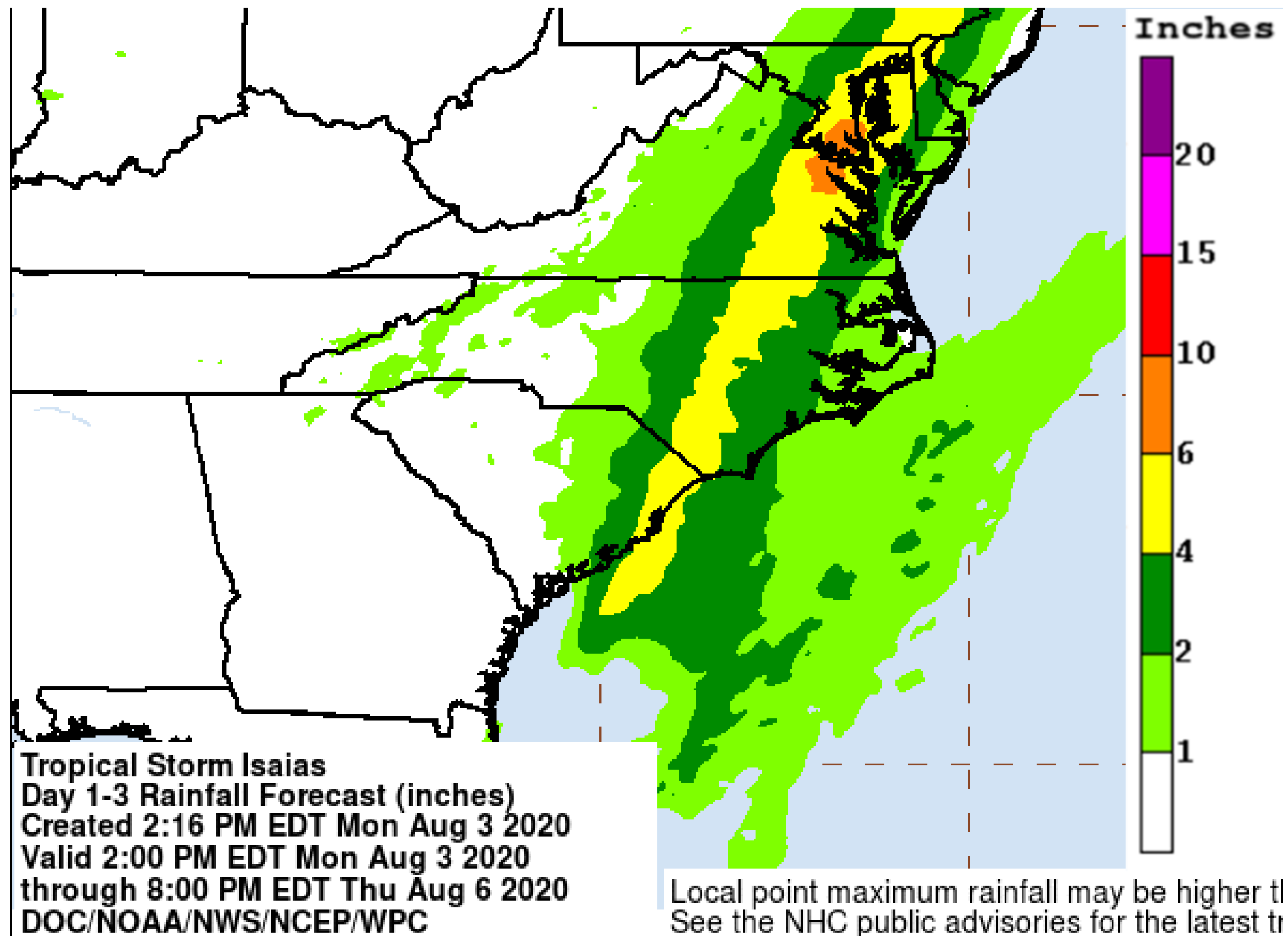


# Expected Storm Total Rainfall

Tropical Storm Isaias

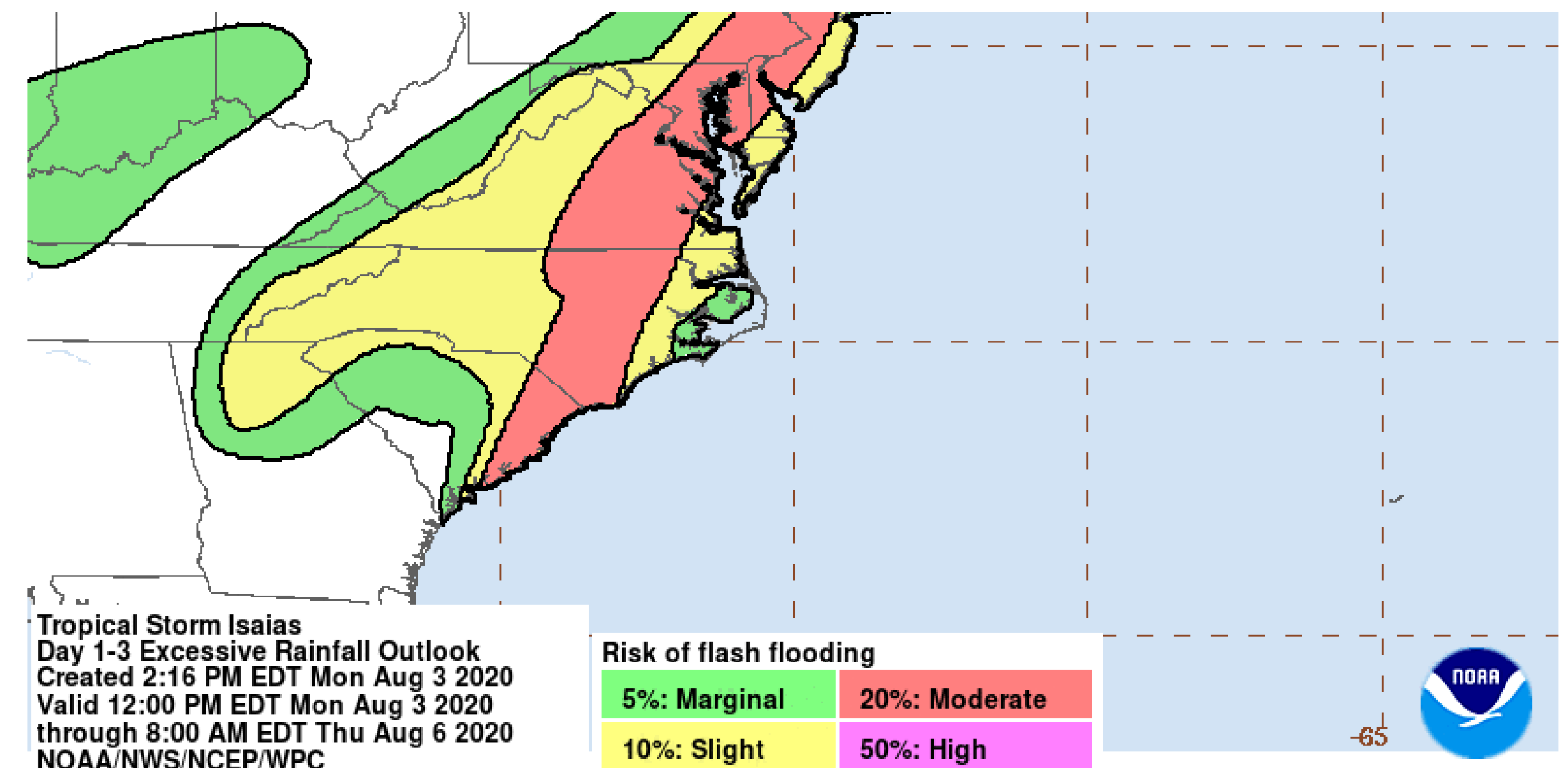


Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Eastern Carolinas can expect 3-6 inches, isolated maximum totals of 8 inches evening through Tuesday night.

## Greatest Flash Flood Risk Over the Next 3 Days



- Excessive rainfall valid today through Thu, Aug 6





# Key Messages

## Tropical Storm Isaias




Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



### Key Messages for Tropical Storm Isaias

Advisory 26: 11:00 AM EDT Mon Aug 03, 2020

1. There is the danger of life-threatening storm surge inundation along portions of the immediate coastline and adjacent waterways of northeastern South Carolina and the North Carolina coast in the Storm Surge Warning area. Residents in these areas should follow advice given by local emergency officials.
2. Isaias is forecast to regain hurricane strength before it reaches the coast of northeastern South Carolina and southern North Carolina, and hurricane conditions are expected in the Hurricane Warning area by this evening. Preparations should be rushed to completion.
3. Isaias is expected to bring widespread sustained tropical storm force winds and wind gusts to hurricane force to the mid-Atlantic coast Tuesday, which could cause tree damage and power outages. Tropical storm conditions are expected to reach southern New England on late Tuesday and are possible along the northern New England coast Tuesday night and early Wednesday.
4. Heavy rainfall will result in flash and urban flooding, some of which may be significant in the eastern Carolinas and the mid-Atlantic, through Tuesday night near the path of Isaias up the East Coast of the United States. Widespread minor to moderate river flooding is possible across portions of the Carolinas and the Mid-Atlantic.



Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside the cone.

**Tropical Storm Isaias**  
Monday August 03, 2020  
11 AM EDT Advisory 26  
NWS National Hurricane Center

**Current information:** x  
Center location 30.7 N 80.1 W  
Maximum sustained wind 70 mph  
Movement N at 13 mph

**Forecast positions:**  
● Tropical Cyclone ○ Post-Potential TC  
Sustained winds: D < 39 mph  
S 39-73 mph H 74-110 mph M > 110 mph

**Potential track area:** Watches: Warnings: Current wind extent:  
Day 1-3 Day 4-5 Hurricane Trop Stn Hurricane Trop Stn Hurricane Trop Stn

**Tropical Storm Isaias**  
Day 1-3 Rainfall Forecast (inches)  
Created 5:00 AM EDT Mon Aug 3 2020  
Valid 8:00 AM EDT Mon Aug 3 2020  
through 8:00 AM EDT Thu Aug 6 2020  
DOC: NOAA/NWS/NCEP/WWP

Local point maximum rainfall may be higher than shown.  
See the NHC public advisories for the latest tropical cyclone information.

For more information go to [hurricanes.gov](https://hurricanes.gov)

- **Marine Key Messages:**
- Peak seas between 25-30 ft offshore of the South Carolina coast tonight
- Large area of seas 12' or greater will move with Isaias just east of Georgia and South Carolina through tonight
- Seas will subside in D7 SRR by Tuesday night





# TROPICAL STORM ISAIAS BRIEFING

You can contact the Tropical Analysis and Forecast Branch at  
305-229-4424

*The Next Briefing Will Be:  
Tuesday, August 4 9:00am EDT*

*You can always find get the latest graphics and information for this storm at [www.hurricanes.gov](http://www.hurricanes.gov)*



NHC\_TAFB

[www.nhc.noaa.gov](http://www.nhc.noaa.gov)