

**IMPACTS FOR D7 (through next 3 days)**

**Winds – HIGH**

**Storm Surge – HIGH**

**Rainfall/Flash Flooding – MODERATE**

**Tornadoes – LOW (Eastern South Carolina)**

**Waves - HIGH**

# TROPICAL STORM ISAIAS BRIEFING

9:00 AM EDT

Monday, August 3, 2020

Prepared by:

**Brad Reinhart**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



NHC\_TAFB

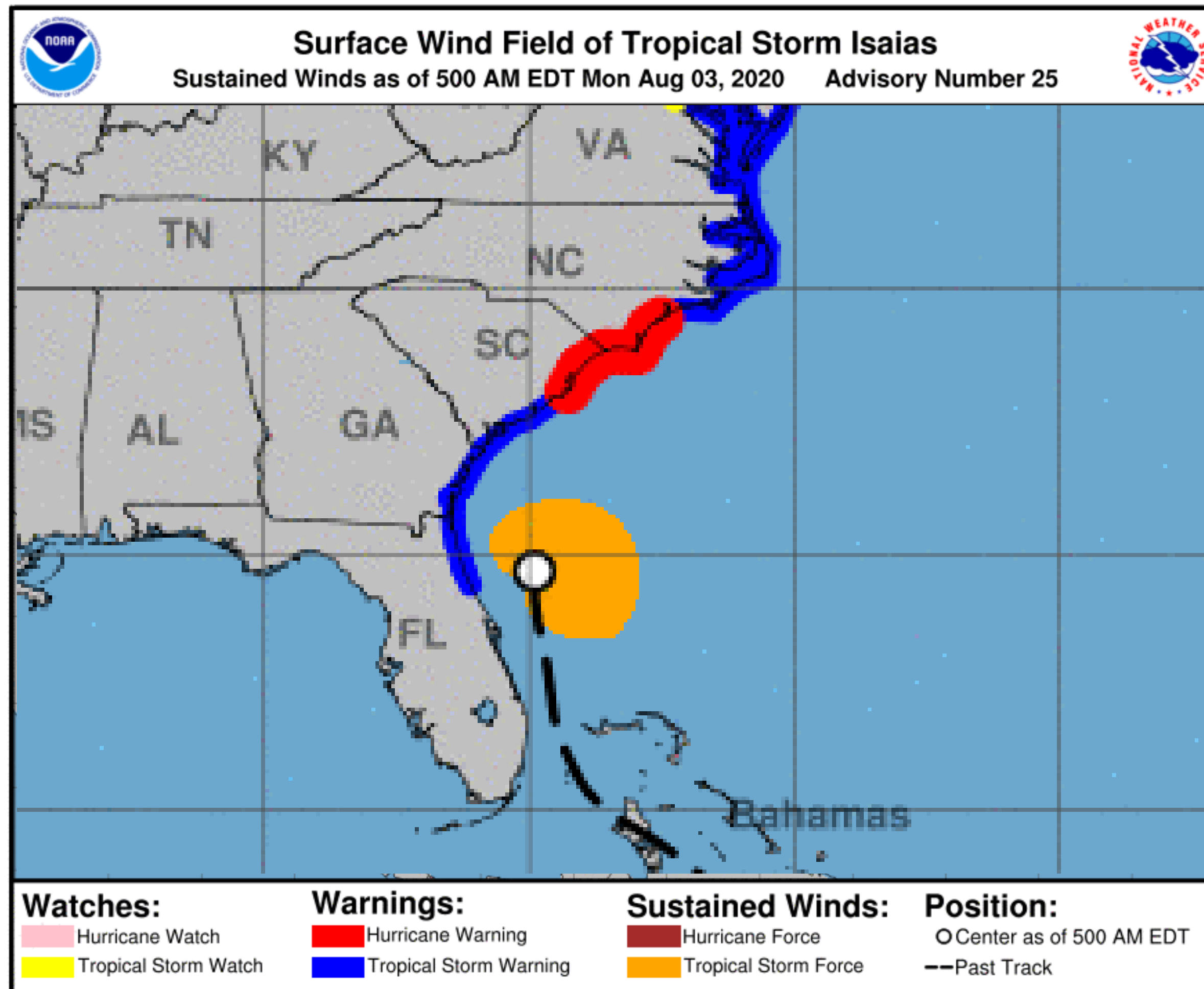
[www.nhc.noaa.gov](http://www.nhc.noaa.gov)

# Situation Overview

## Tropical Storm Isaias



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NWS National Hurricane Center



**...ISAIAS FORECAST TO BECOME A HURRICANE TODAY...**

**...HURRICANE WARNING ISSUED FOR A PORTION OF THE COAST OF SOUTH AND NORTH CAROLINA...**

### Summary of 800 AM EDT Information

Location... 30.2N 80.1W

About 100 nm ESE of Jacksonville, FL

About 250 nm SSW of Myrtle Beach, SC

Maximum Sustained Winds... 60 kt

Present Movement... N at 11 kt

Minimum Central Pressure... 994 mb

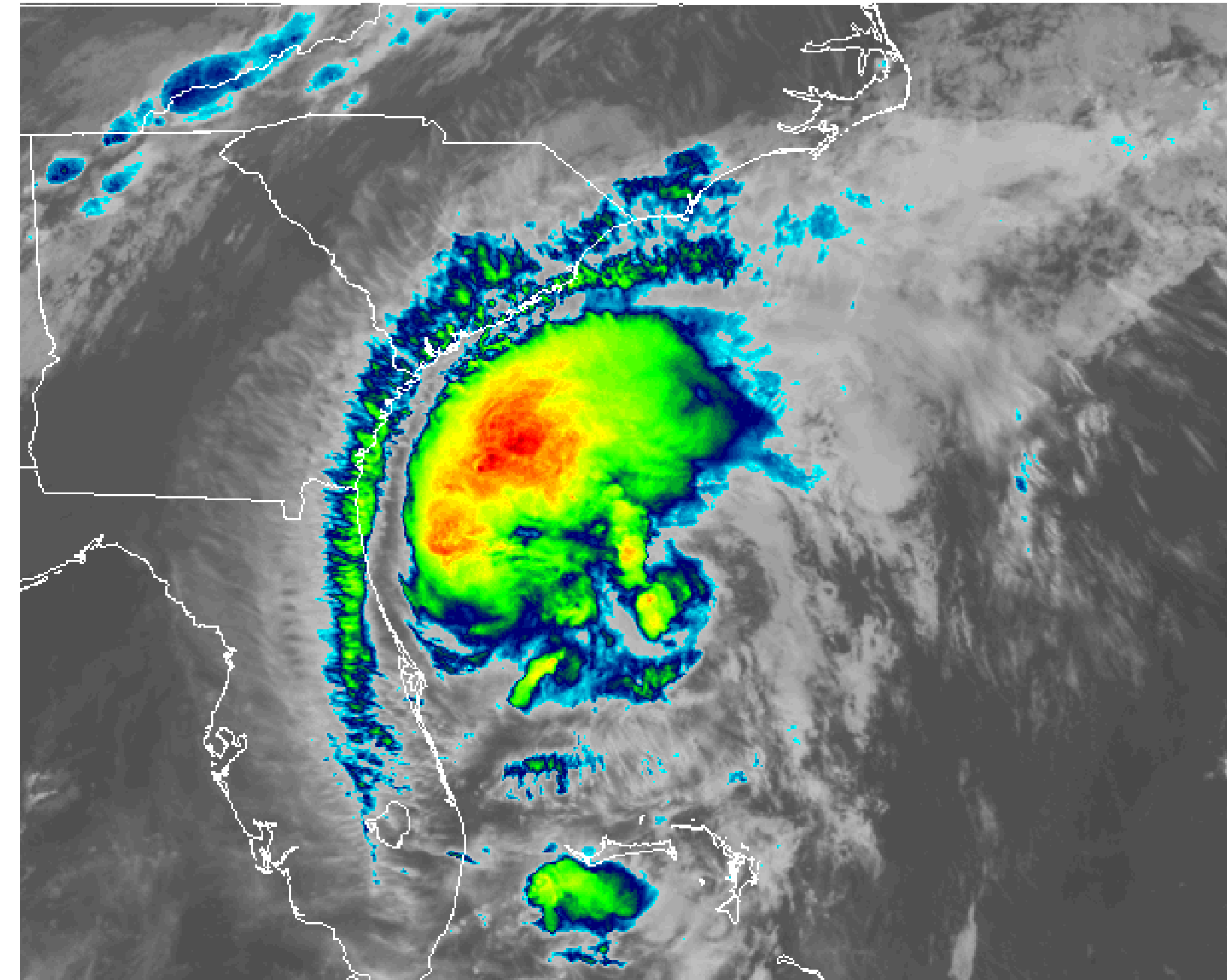
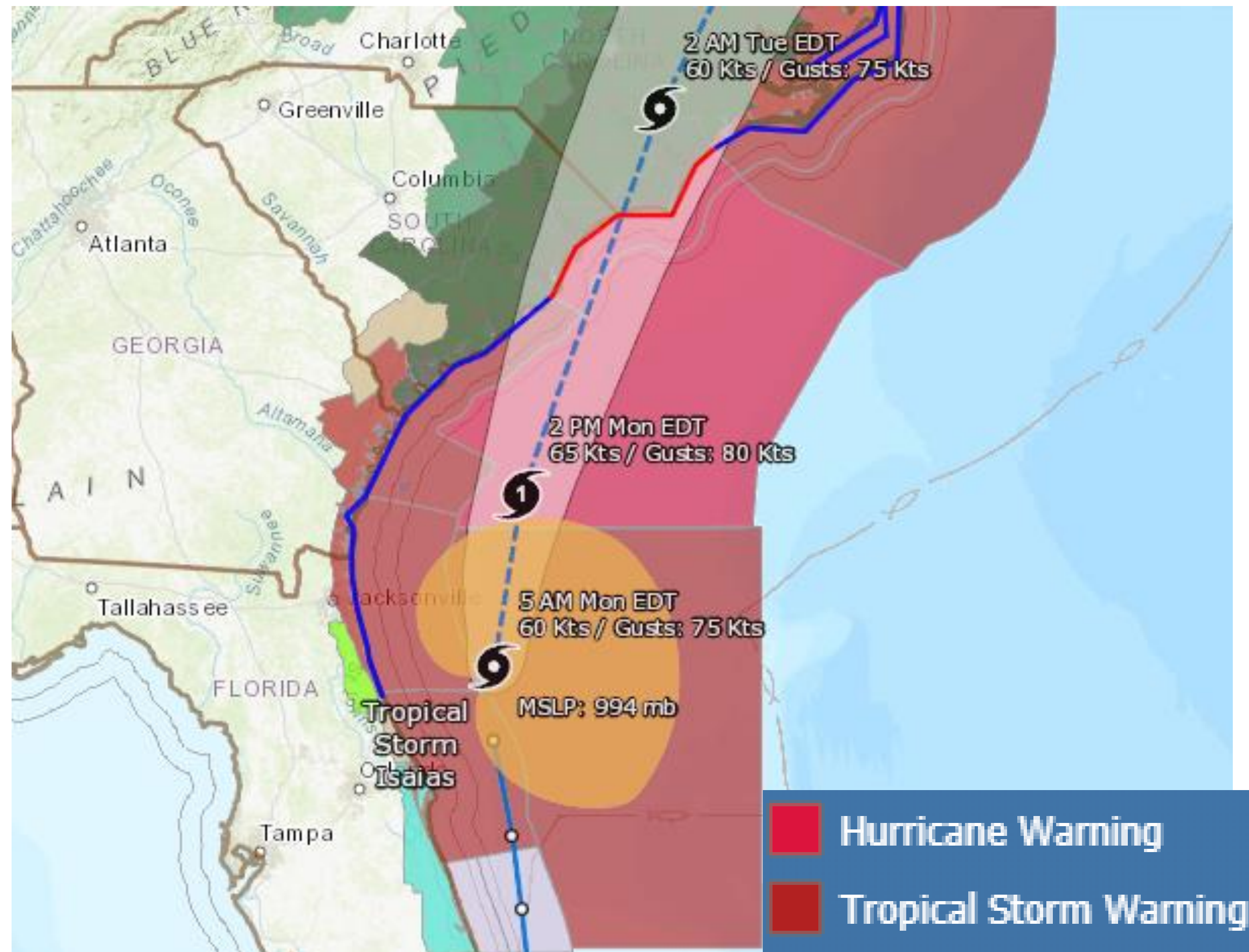


# Hazards Map

## Tropical Storm Isaias



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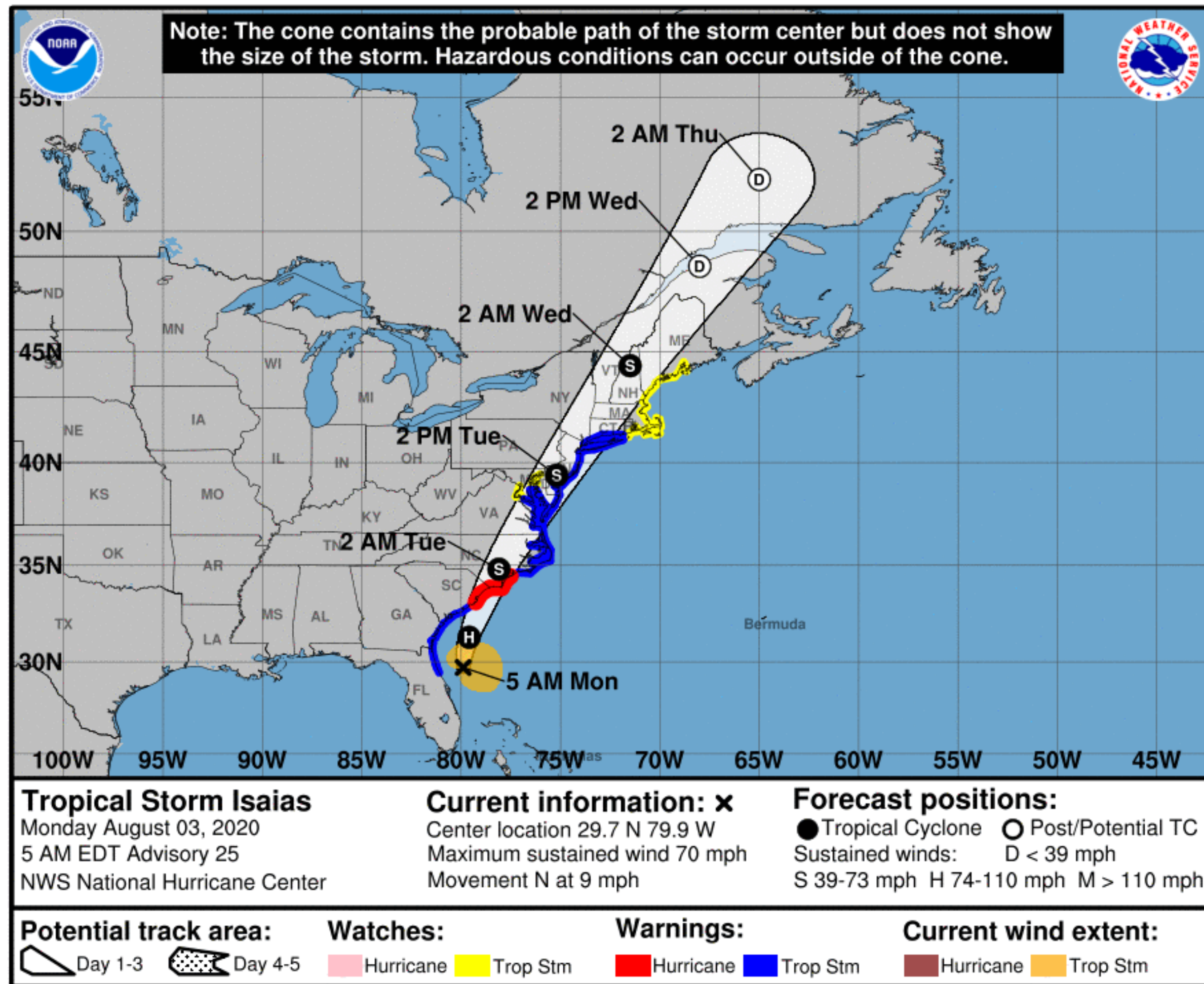


# Forecast Information

## Tropical Storm Isaias



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

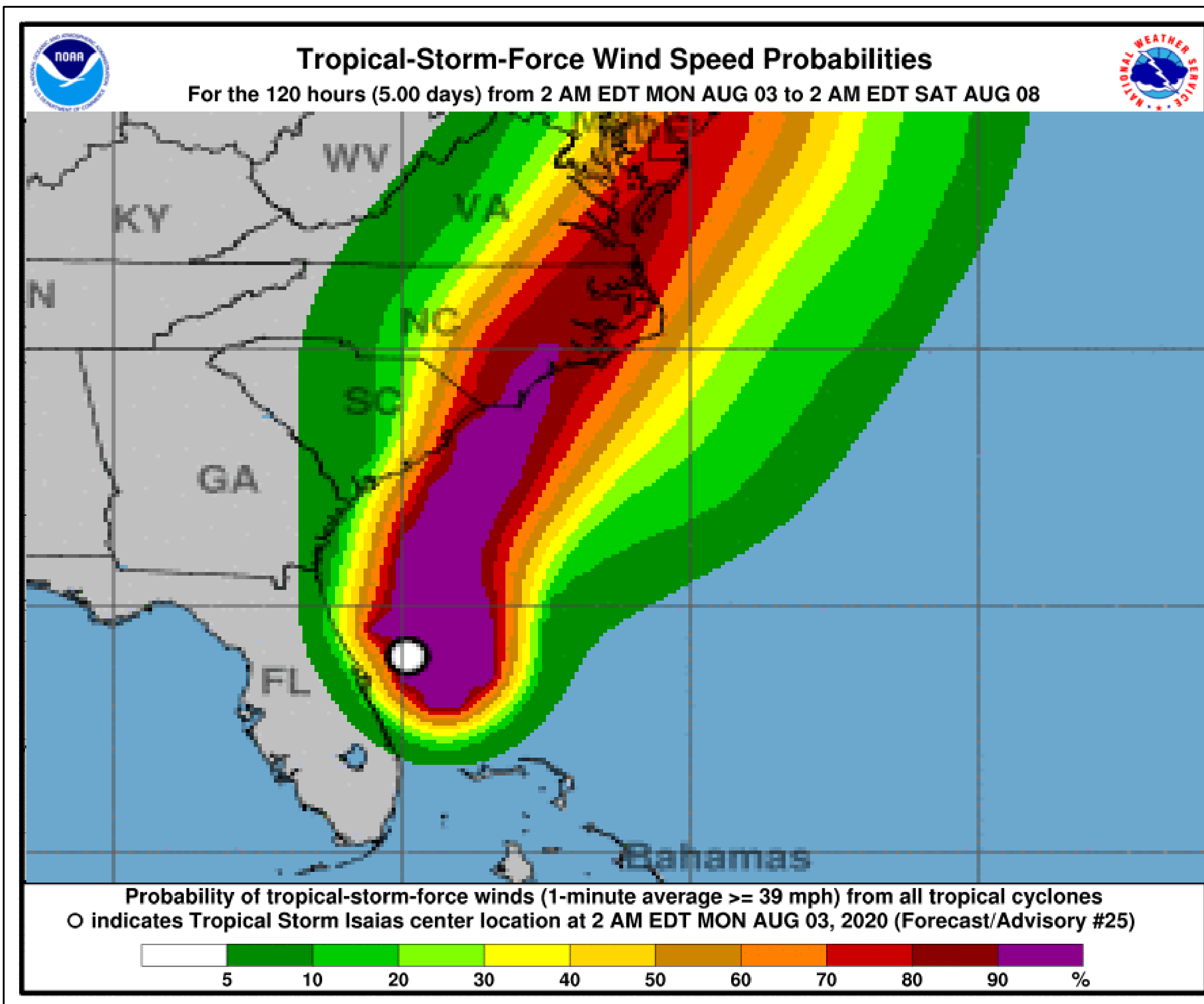
- The center of Isaias will pass well east of the Georgia coast this morning.
- Isaias will approach the coast of northeastern South Carolina and southern North Carolina as a hurricane later today.
- Isaias is expected to make landfall over eastern North Carolina by tonight.

# T.S. Wind Speed Probabilities

Tropical Storm Isaias



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- 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 – 5%
- Charleston - 42%
- Myrtle Beach – 87%
- Wilmington – 91%

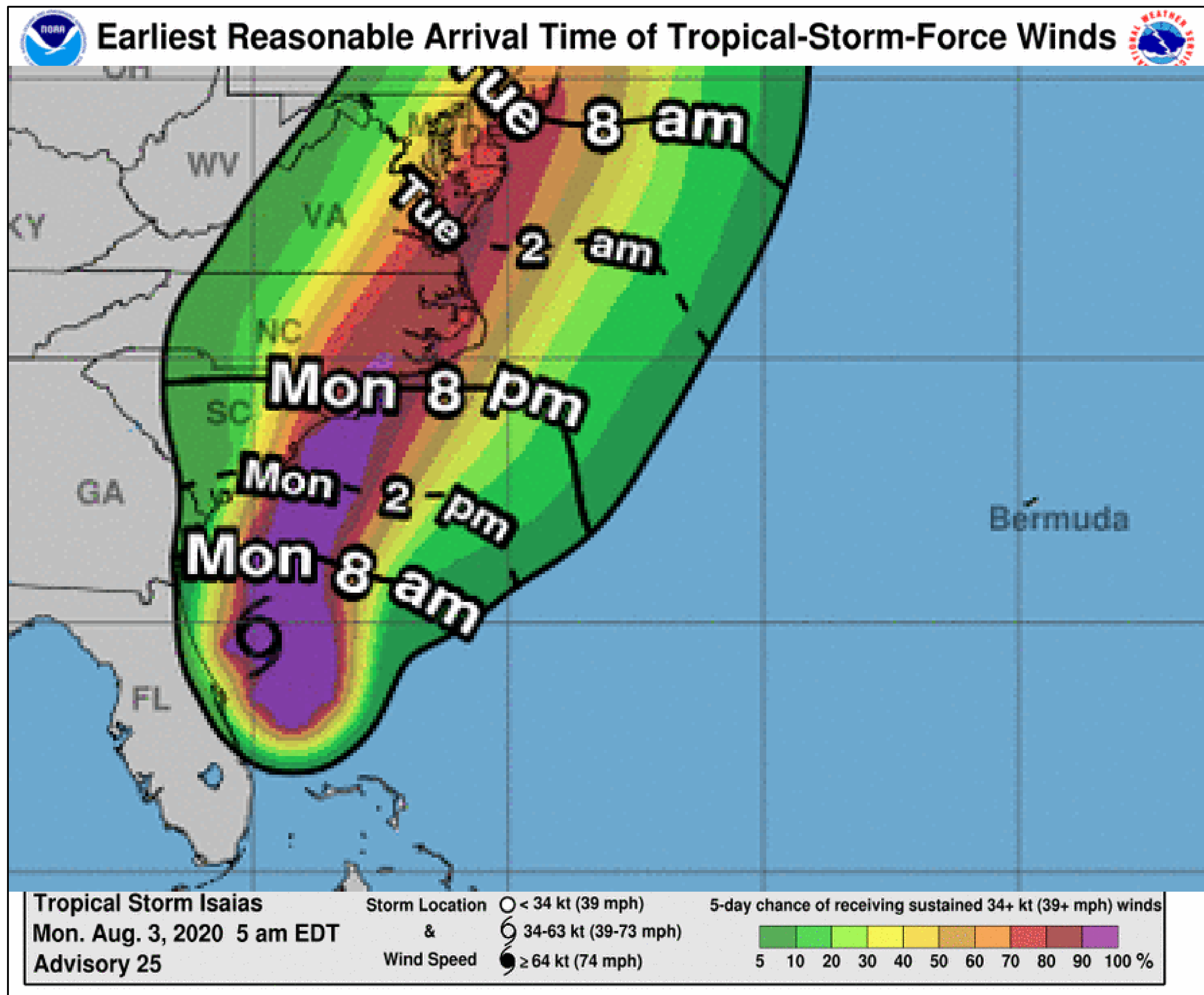


# Earliest Reasonable Time of Arrival

Tropical Storm Isaias



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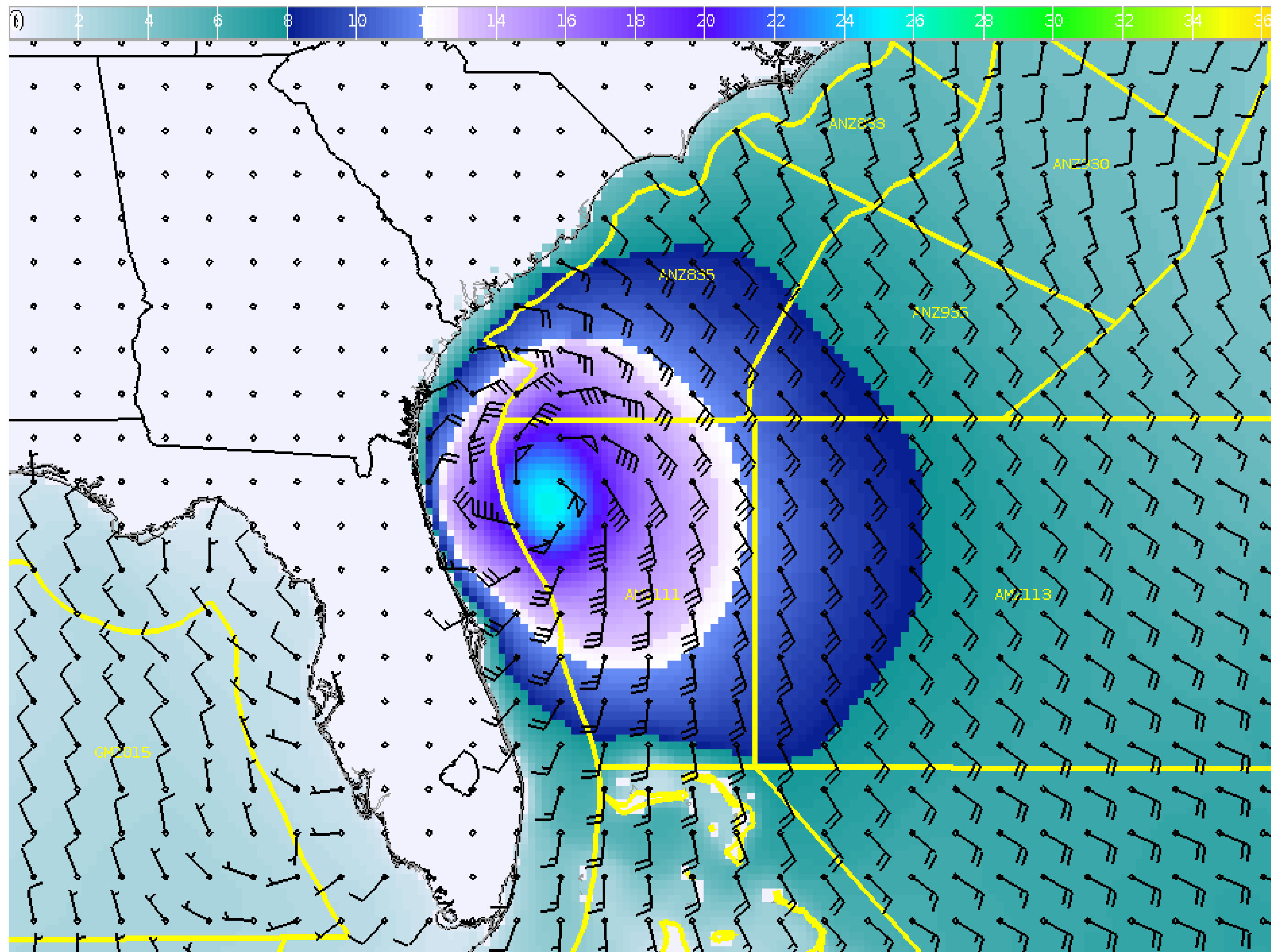
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Georgia – this morning
- South Carolina – this afternoon

# Wind And Waves

## Tropical Storm Isaias



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NWS National Hurricane Center



### Current Conditions

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

Peak Winds: 60 kt

Peak Seas: 26 ft

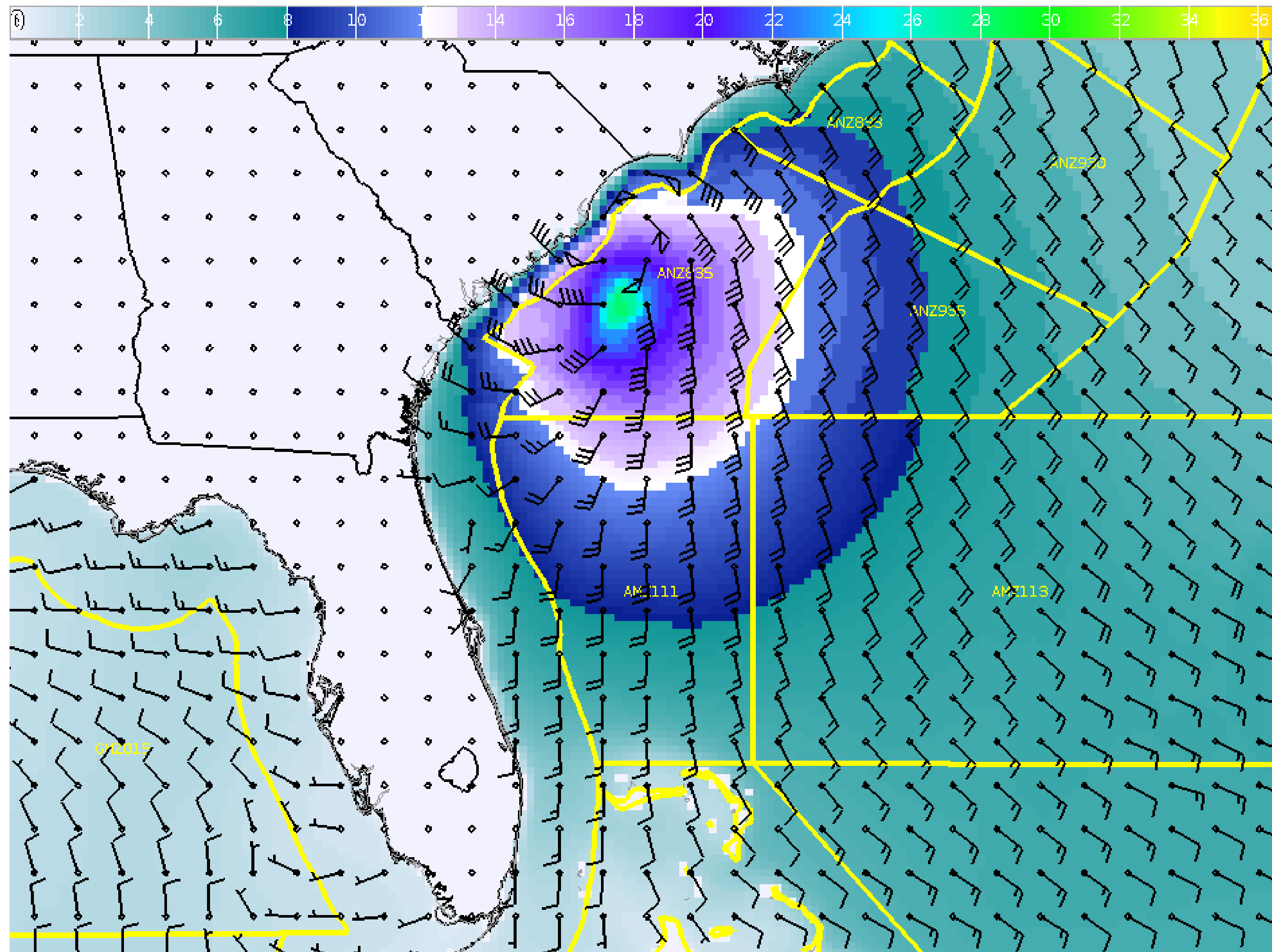
Wave heights are in feet

# Wind And Waves

## Tropical Storm Isaias



Tropical Analysis and Forecast Branch  
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### 12 Hour Forecast

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

Peak Winds: 65 kt

Peak Seas: 28 ft

Wave heights are in feet

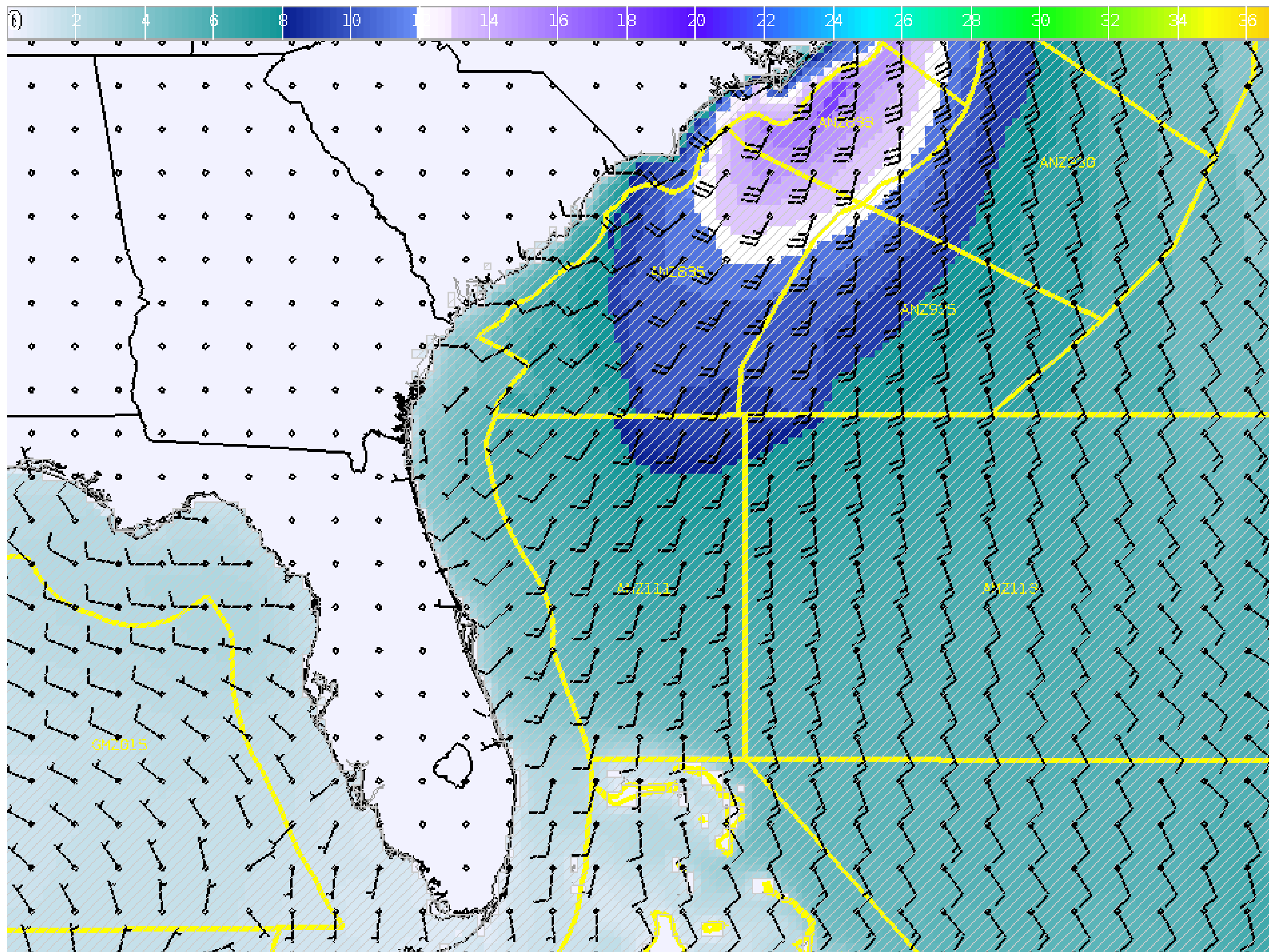


# Wind And Waves

# Tropical Storm Isaias



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## 24 Hour Forecast

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

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

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

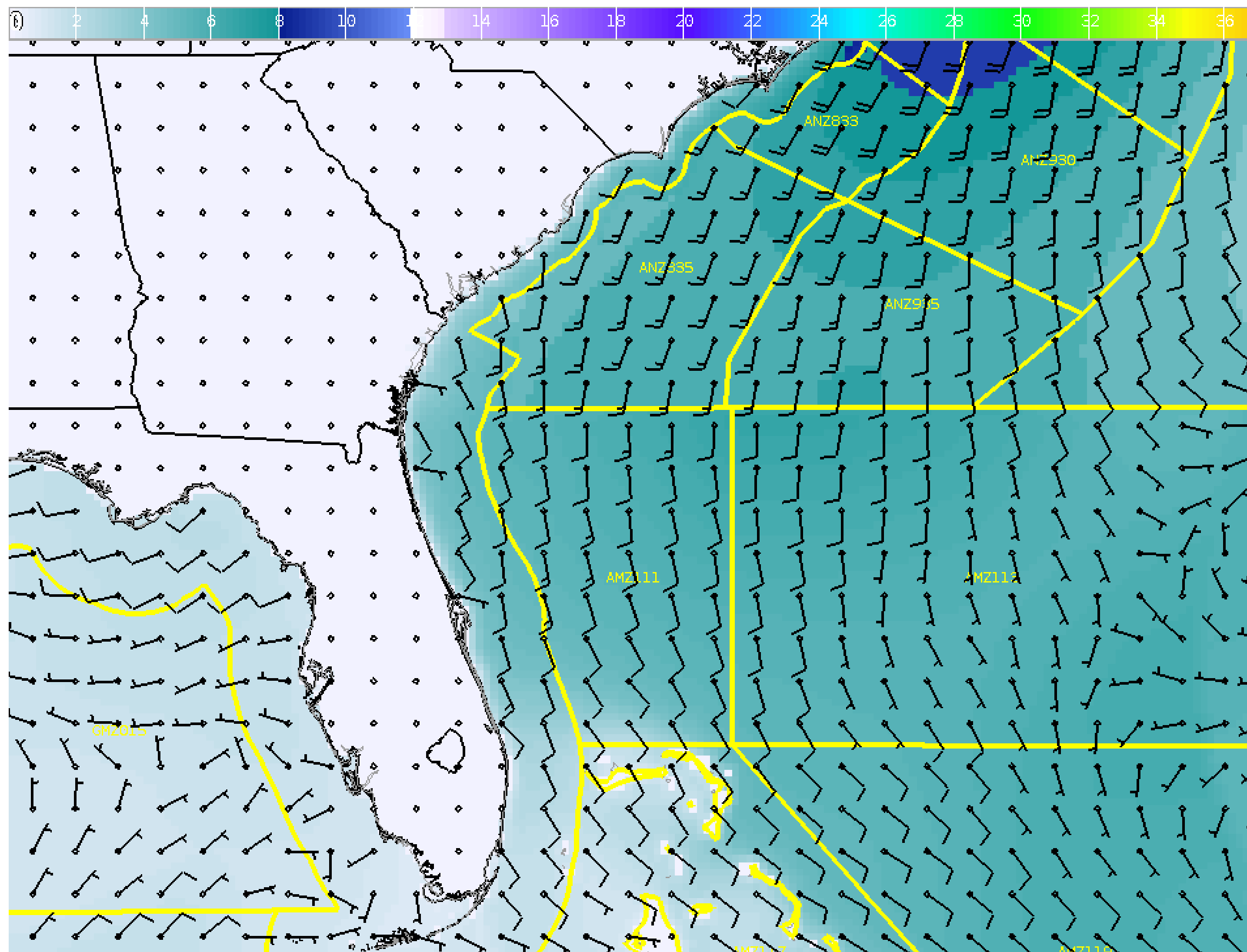
Wave heights are in feet

# Wind And Waves

## Tropical Storm Isaias



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### 36 Hour Forecast

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

Winds: 15-20 kt (South Carolina  
offshore waters)

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

Wave heights are in feet

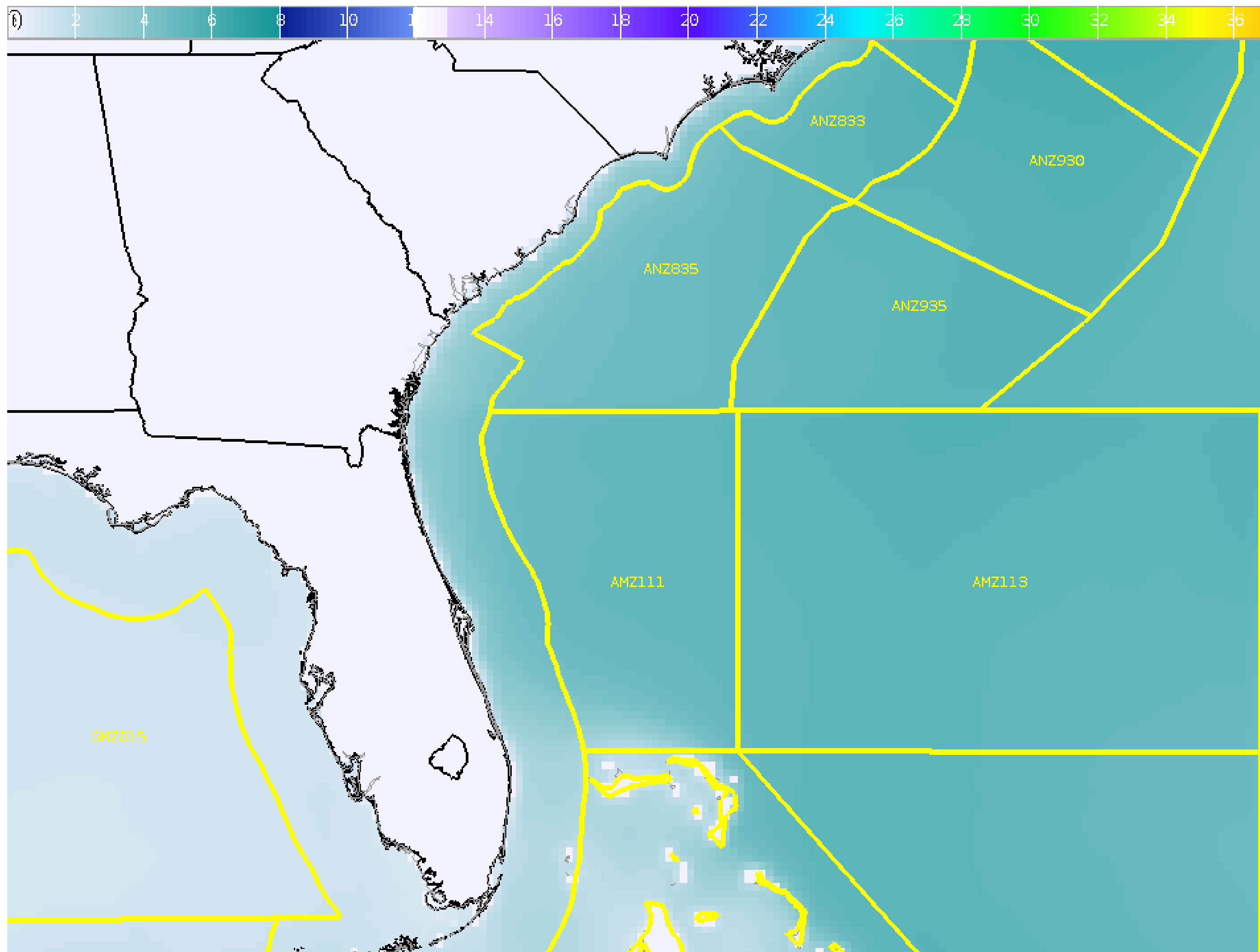


# Wind And Waves

Tropical Storm Isaias



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## 48 Hour Forecast

**8am EDT, Wednesday, August 5, 2020**

Winds: 15 kt (South Carolina offshore waters)

Peak Seas: 3-5 ft (South Carolina offshore waters)

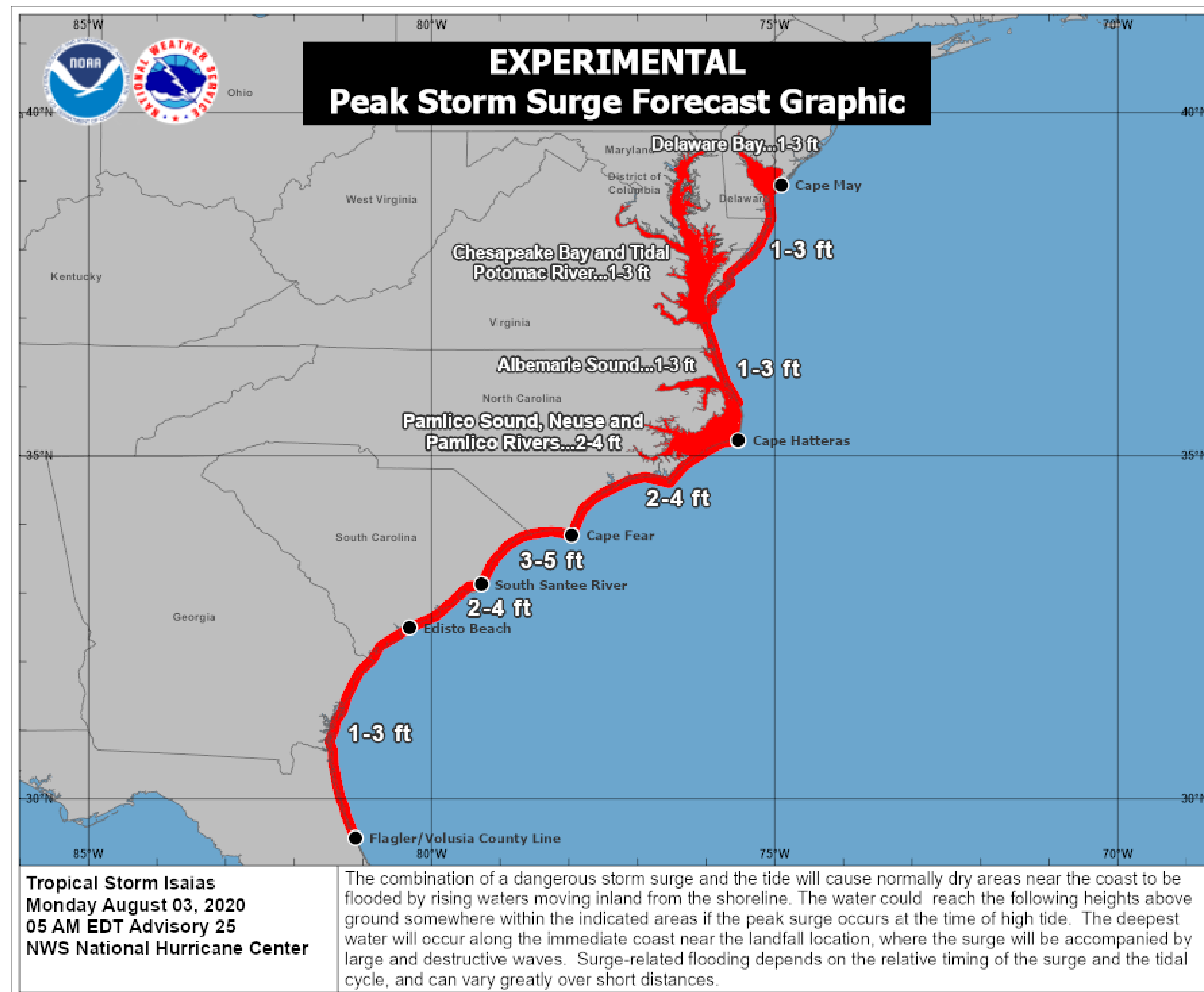
Wave heights are in feet

# Storm Surge Watches/Warnings

Tropical Storm Isaias



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NWS National Hurricane Center



- **Storm surge warning is in effect for Edisto Beach, South Carolina to Cape Fear, North Carolina**
- 3-5 ft from South Santee River, SC to Cape Fear, NC
- 2-4 ft from Edisto Beach, SC to South Santee River, SC

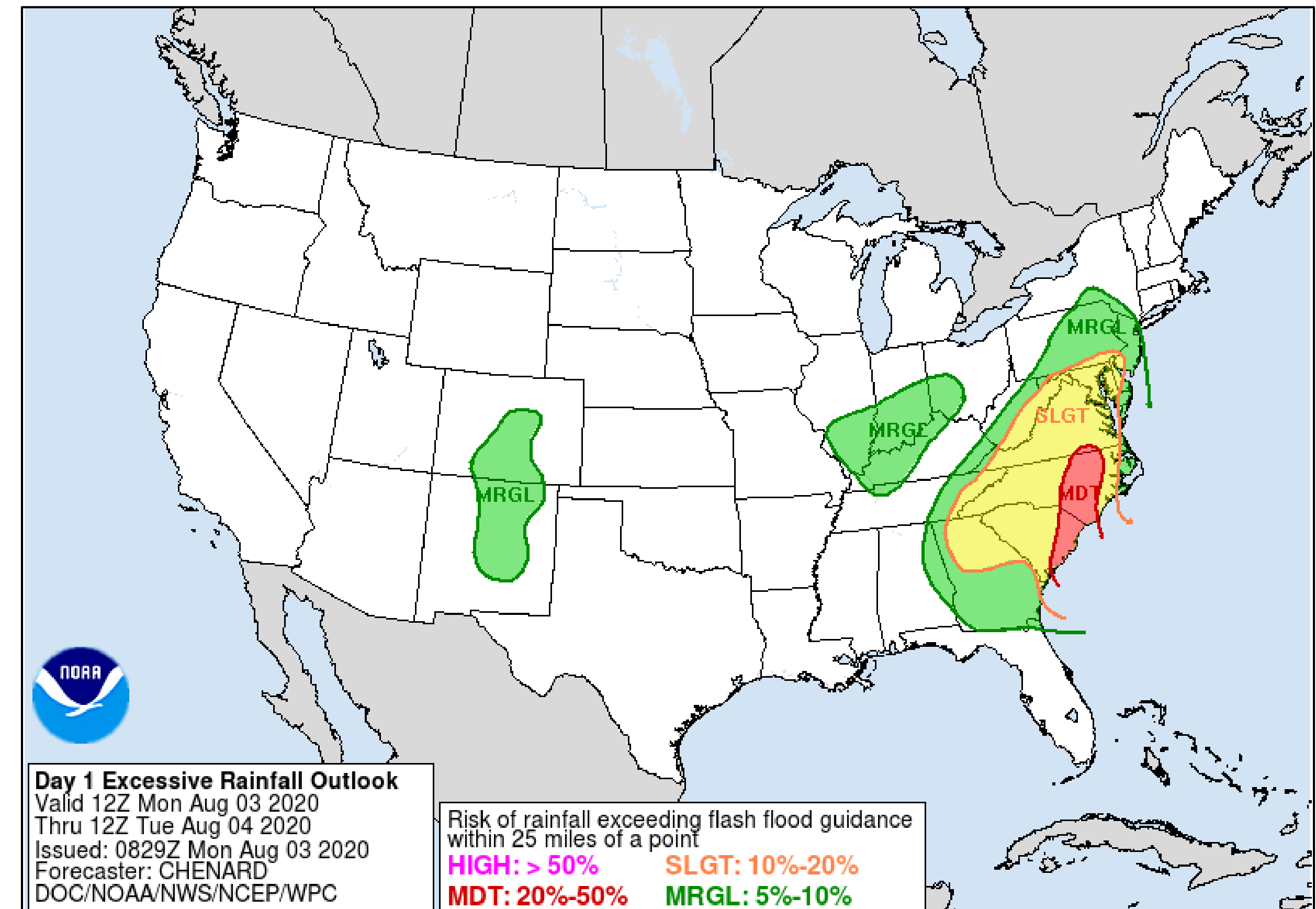
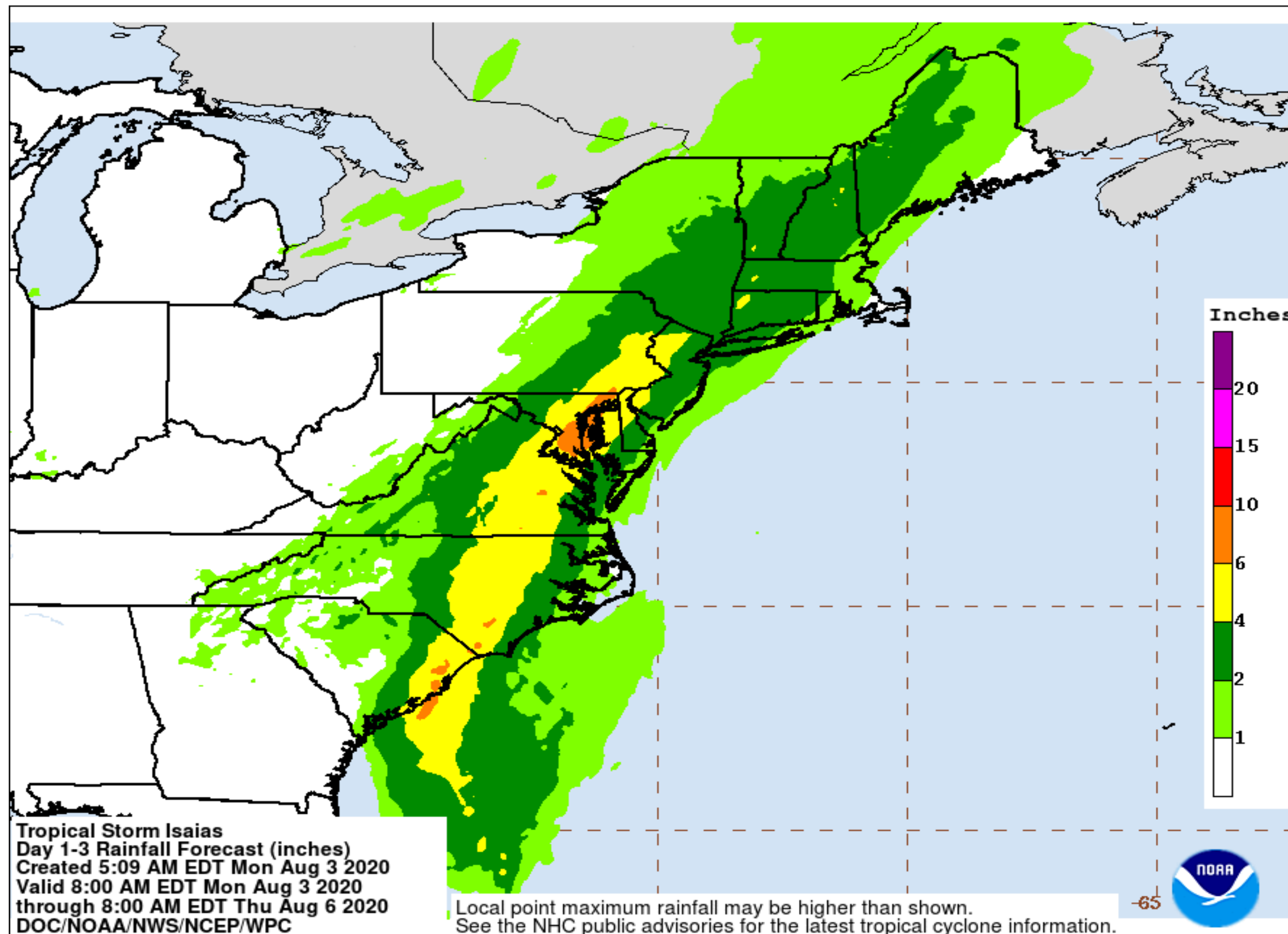


# Expected Storm Total Rainfall

Tropical Storm Isaias



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NWS National Hurricane Center



- Northeastern South Carolina can expect 3-6 inches, with isolated maximum totals to 8 inches.

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

**HIGH: > 50%**      **SLGT: 10%-20%**  
**MDT: 20%-50%**      **MRGL: 5%-10%**



Refer to map legend for Valid Time

# Key Messages

## Tropical Storm Isaias



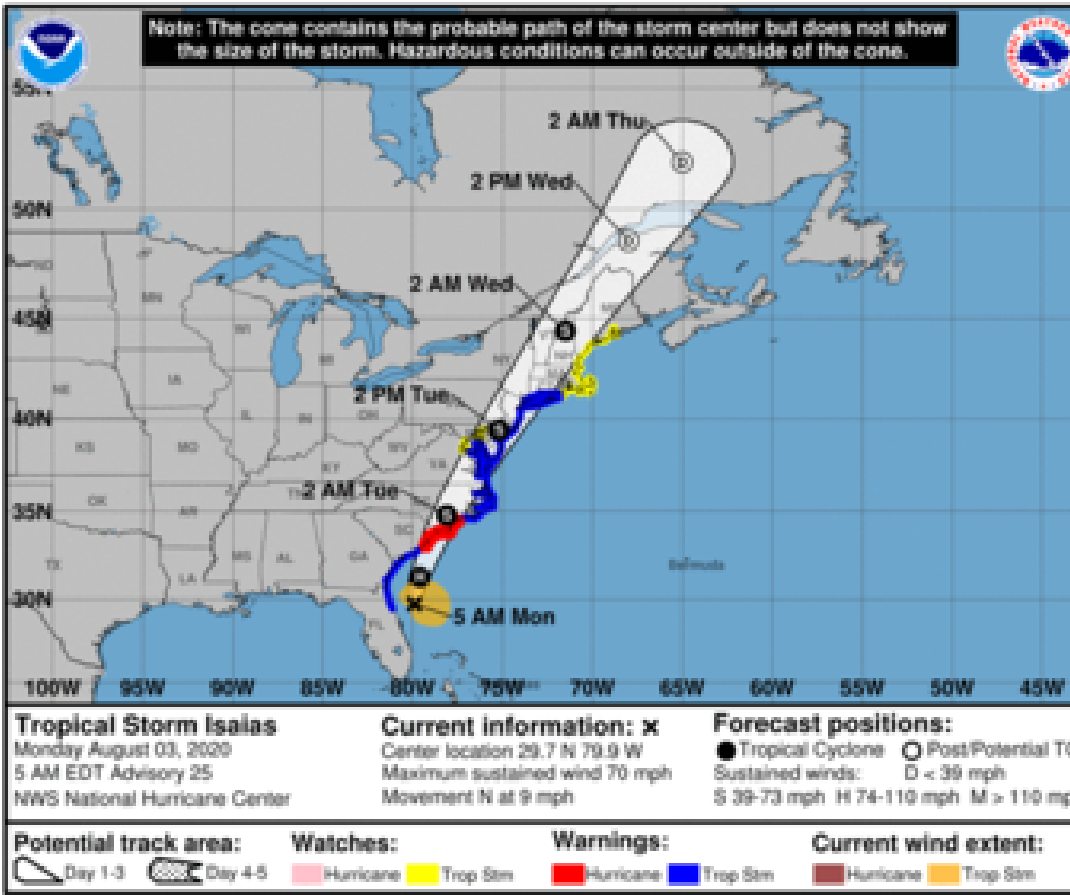
Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



### Key Messages for Tropical Storm Isaias

Advisory 25: 5:00 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 southern North Carolina. Life-threatening storm surge is possible along the North Carolina coast from Cape Fear to Duck. 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 by this evening. Preparations should be rushed to completion.
3. Tropical storm conditions are expected to spread northward within the Tropical Storm Warning area from Florida to portions of southern New England through Tuesday afternoon. Tropical storm conditions are possible across other portions of New England within the Tropical Storm Watch area by early Wednesday. Additional watches or warnings may be required later today.
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 midweek along and near the path of Isaias across 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 of the cone.

**Tropical Storm Isaias**  
Monday August 03, 2020  
5 AM EDT Advisory 25  
NWS National Hurricane Center

**Current information:** x  
Center location 29.7 N 79.9 W  
Maximum sustained wind 70 mph  
Movement N at 9 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:**  
Day 1-3 Day 4-5

**Watches:**  
Hurricane Tropical Storm

**Warnings:**  
Hurricane Tropical Storm

**Current wind extent:**  
Hurricane Tropical Storm

**Tropical Storm Isaias**  
Day 1-3 Rainfall Forecast (inches)  
Created 4:13 AM EDT Mon Aug 3 2020  
Valid 2:00 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
- Large area of seas 12' or greater will move with Isaias just east of Georgia and South Carolina today and into tonight
- Seas will subside in D7 SRR by Tuesday evening





# TROPICAL STORM ISAIAS BRIEFING

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

*The Next Briefing Will Be:  
Monday 4:00 PM EDT*

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



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