

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

**Winds – Moderate (FL), Moderate (SC)**

**Storm Surge – Moderate (FL, SC)**

**Rainfall/Flash Flooding – Low (FL), Moderate (SC)**

**Tornadoes – None (FL), Low (SC)**

**Waves - High**

# TROPICAL STORM ISAIAS BRIEFING



9:00 AM EDT  
Sunday, August 2, 2020

Prepared by:  
Chris Landsea

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



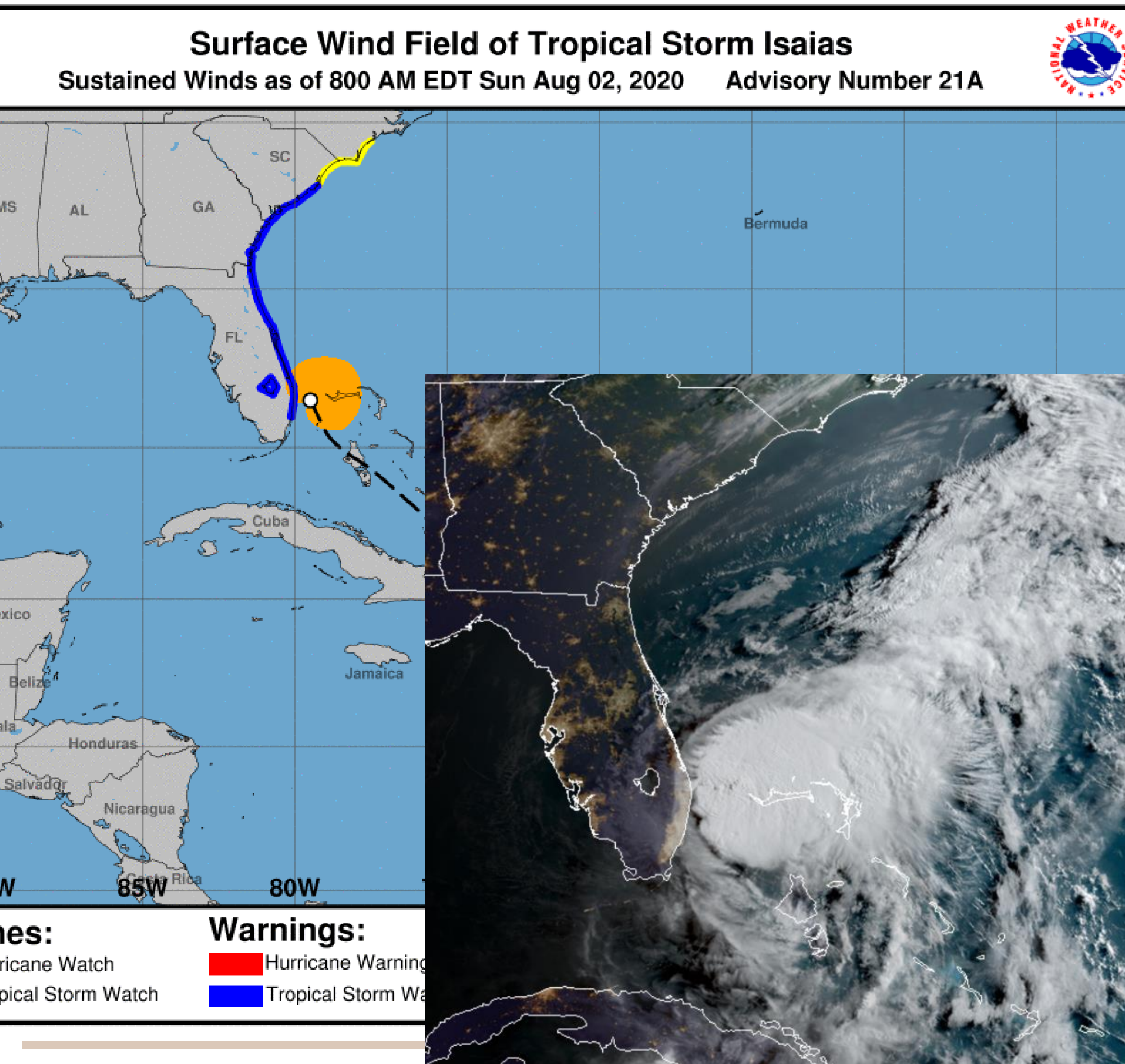


# Situation Overview

## Tropical Storm Isaias



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NWS National Hurricane Center



**...HEAVY RAINFALL AND GUSTY WINDS CONTINUE OVER THE NORTHWESTERN BAHAMAS...  
...TROPICAL STORM CONDITIONS CLOSE TO THE EAST COAST OF FLORIDA...**

### SUMMARY OF 800 AM EDT INFORMATION

LOCATION...26.5N 79.5W  
ABOUT 40 MI ESE OF WEST PALM BEACH FL  
ABOUT 155 MI SSE OF CAPE CANAVERAL FL  
MAXIMUM SUSTAINED WINDS...55 KT  
PRESENT MOVEMENT...NW AT 7 KT

SIZE (in nautical miles)  
50 KT..... 60NE 30SE 0SW 0NW.  
34 KT..... 100NE 80SE 0SW 60NW.  
12 FT SEAS.. 150NE 90SE 30SW 75NW.  
Peak Seas 22 ft

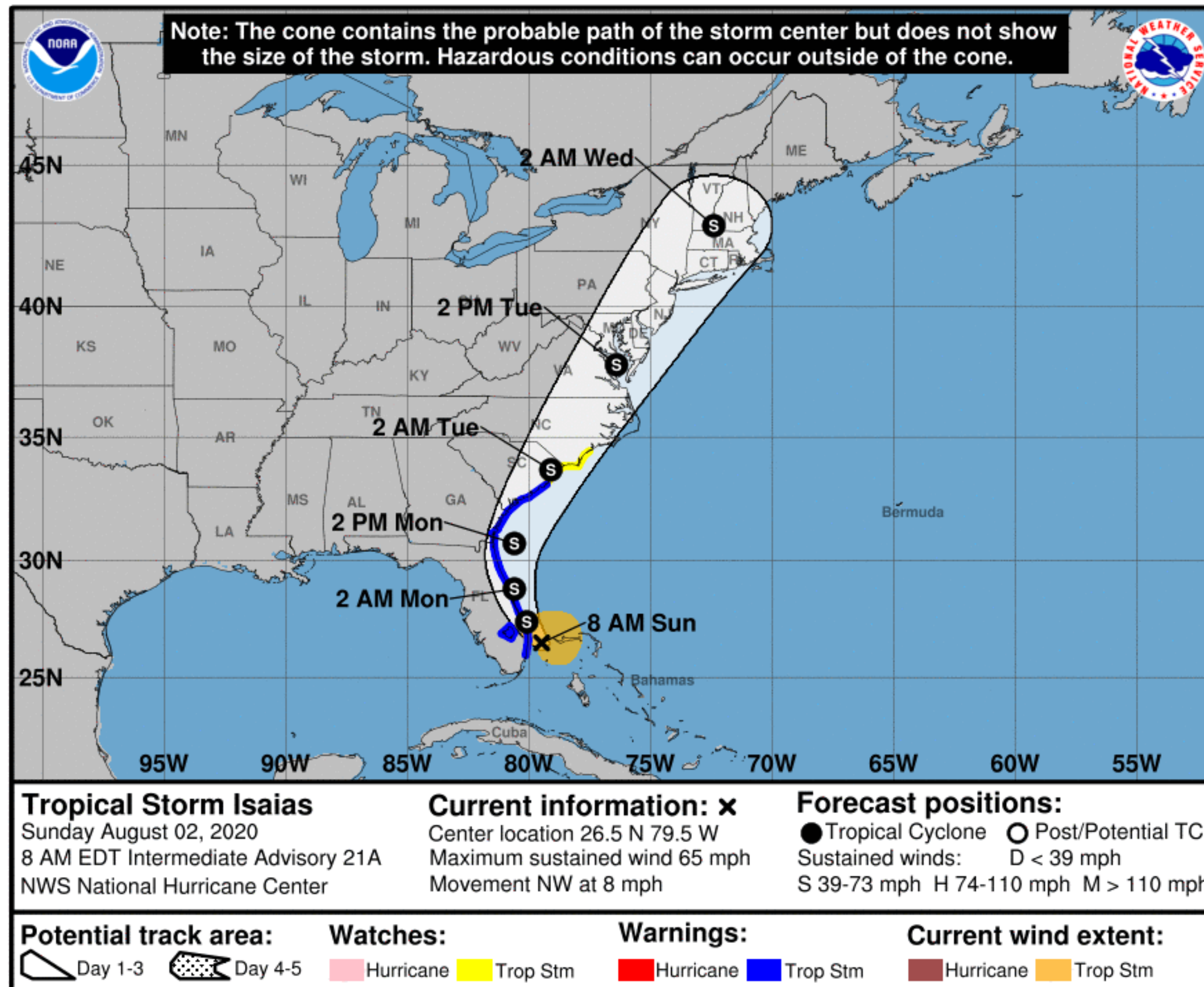


# Forecast Information

## 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.

- Isaias is expected to turn toward the north by late today, then recurve toward the north-northeast Monday and Tuesday
- The hurricane will move close to or over the east central Florida coast later today
- After recurvature, Isaias will impact South Carolina and farther north along the U.S. mid-Atlantic and New England coasts
- Isaias should weaken slowly over the next three days
- Current center forecast positions through the next 3 days illustrated by dots
- White swath of potential track is average track error added to each side of the forecast track through day 3

\*\* Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

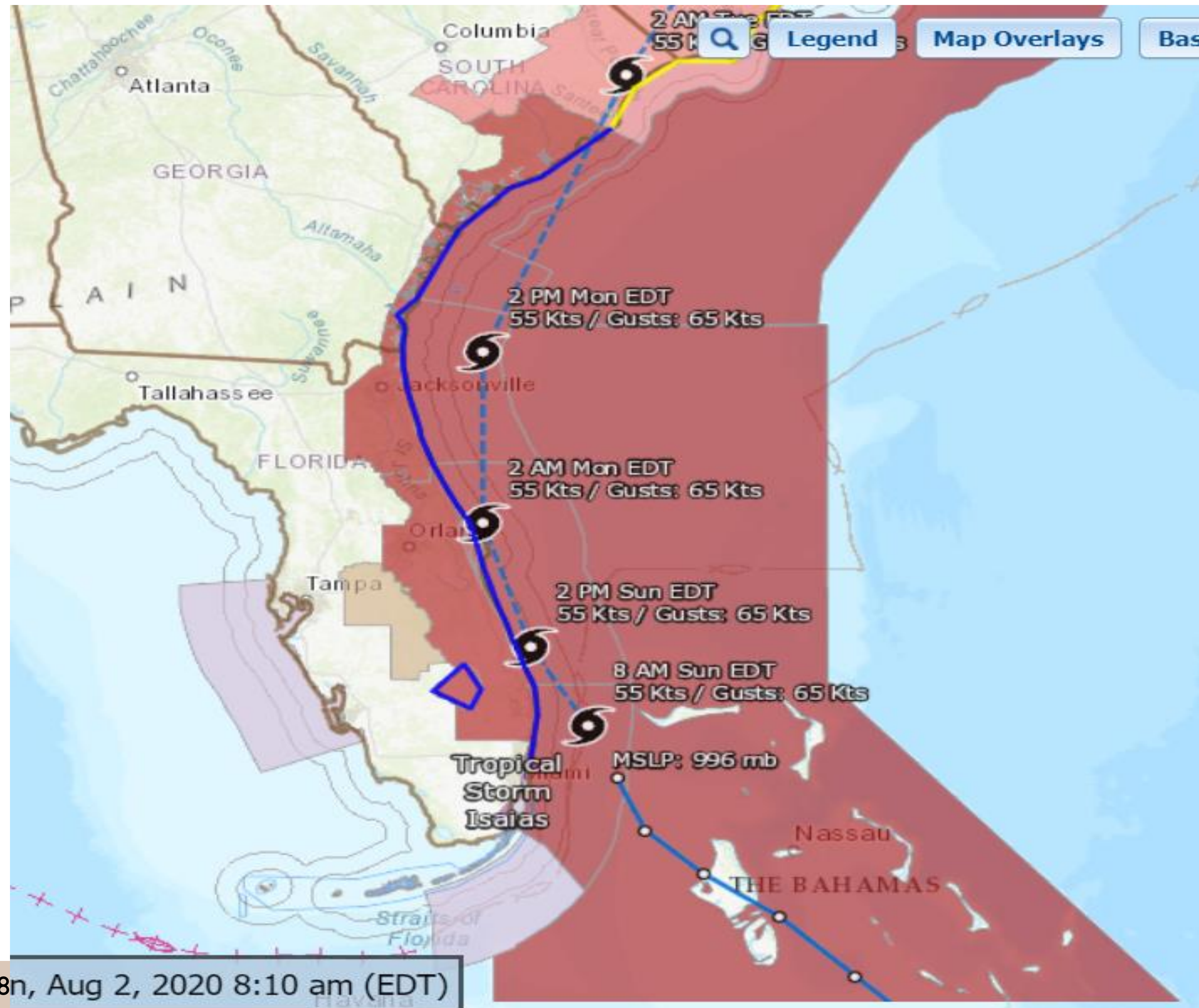


# Hazards Map

## Tropical Storm Isaias



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■ <https://nowcoast.noaa.gov/>

- Tropical Storm Warning
- Tropical Storm Watch
- Small Craft Advisory

8n, Aug 2, 2020 8:10 am (EDT)

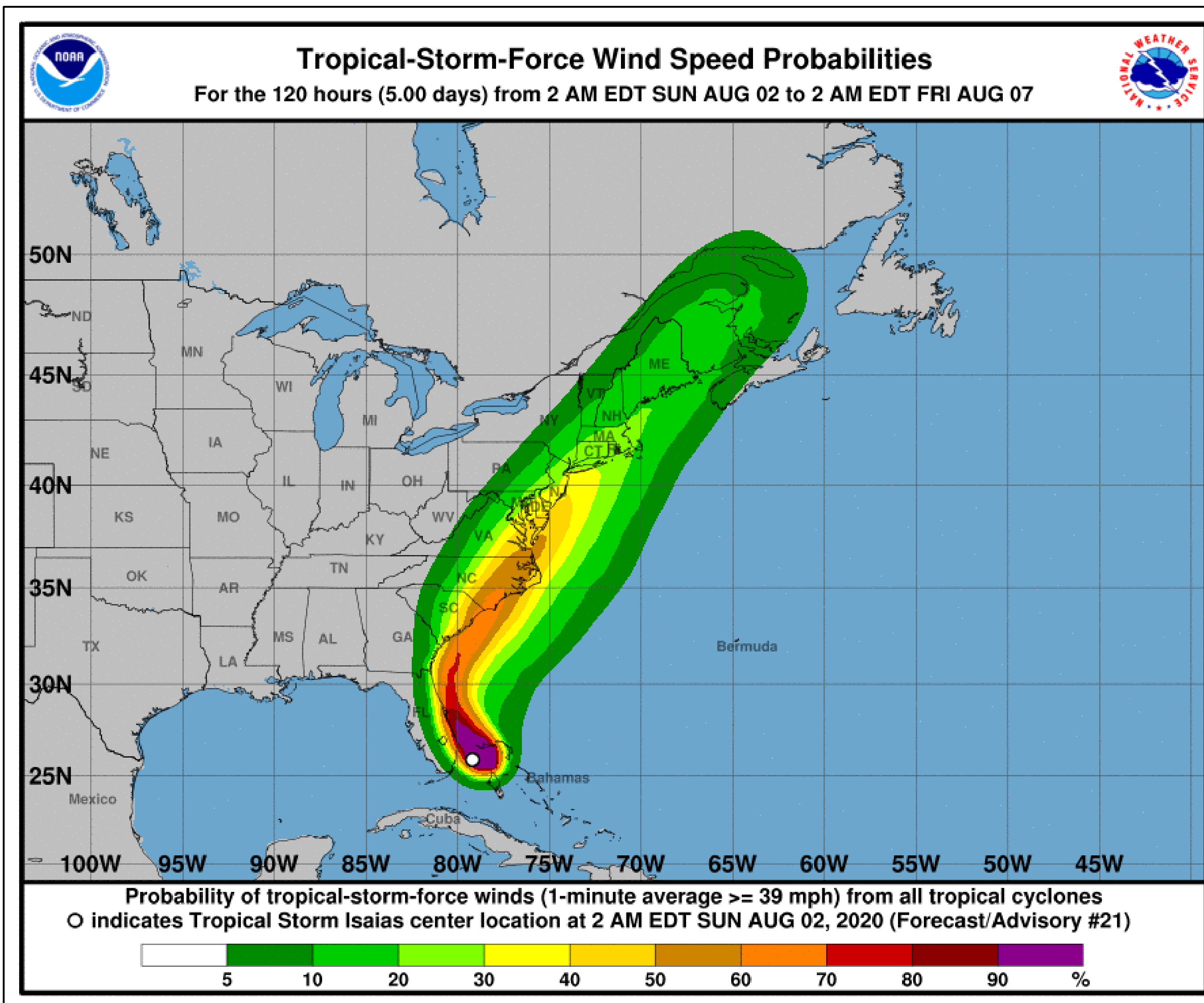


# T.S. Wind Speed Probabilities

# Tropical Storm Isaias



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- Palm Beach – 75%, Cape Canaveral – 75%,  
Jacksonville – 10%, Savannah – 20%,  
Charleston – 55%
- 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.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

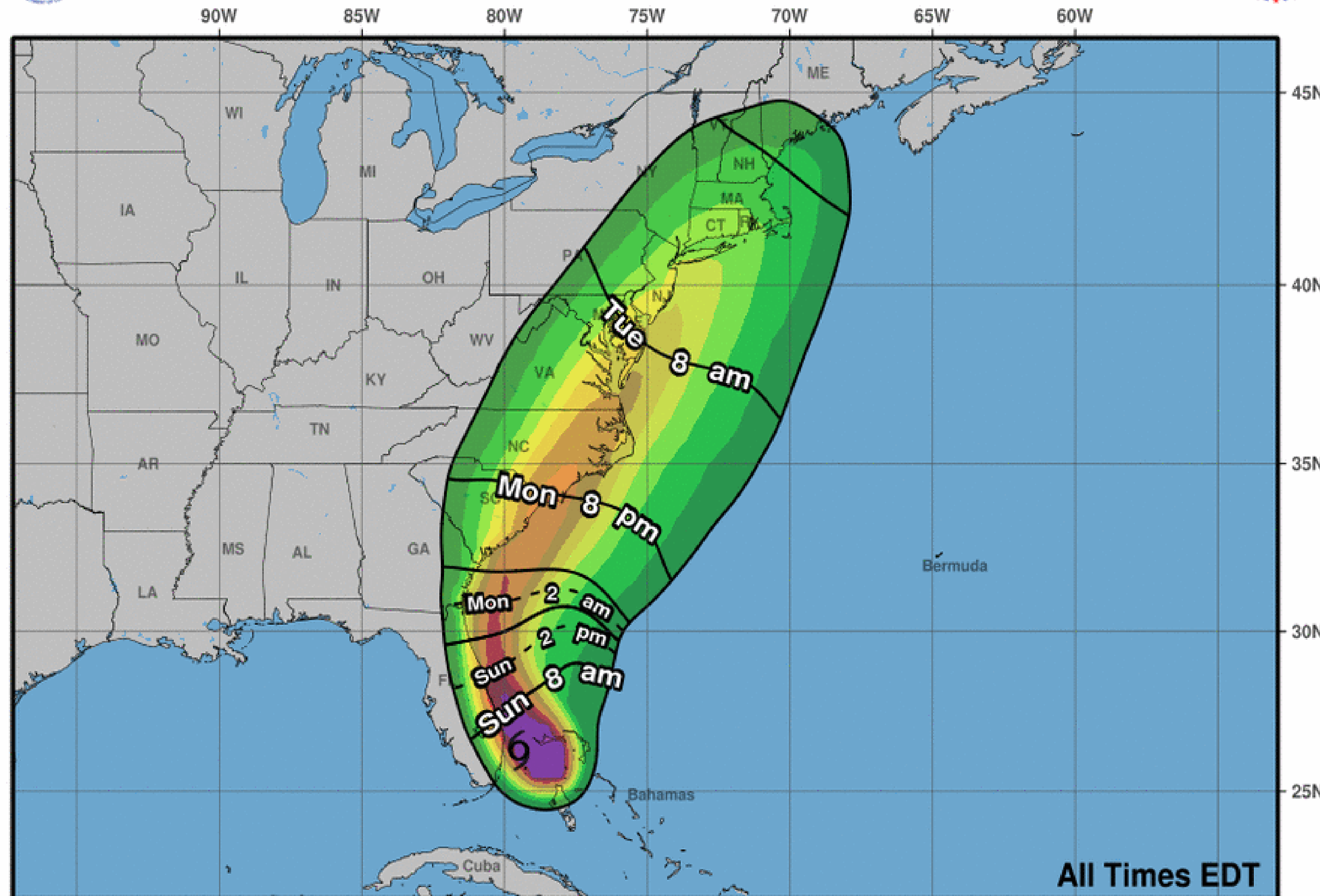
# Earliest Reasonable Time of Arrival

Tropical Storm Isaias



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## 0-3 Day Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



Tropical Storm Isaias  
Sun. Aug. 2, 2020 5 am EDT  
Advisory 21

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 %
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- Cape Canaveral – This afternoon
- Georgia – Early morning Monday
- South Carolina – Monday noon
- 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.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.



# Wind And Waves

Hurricane Isaias

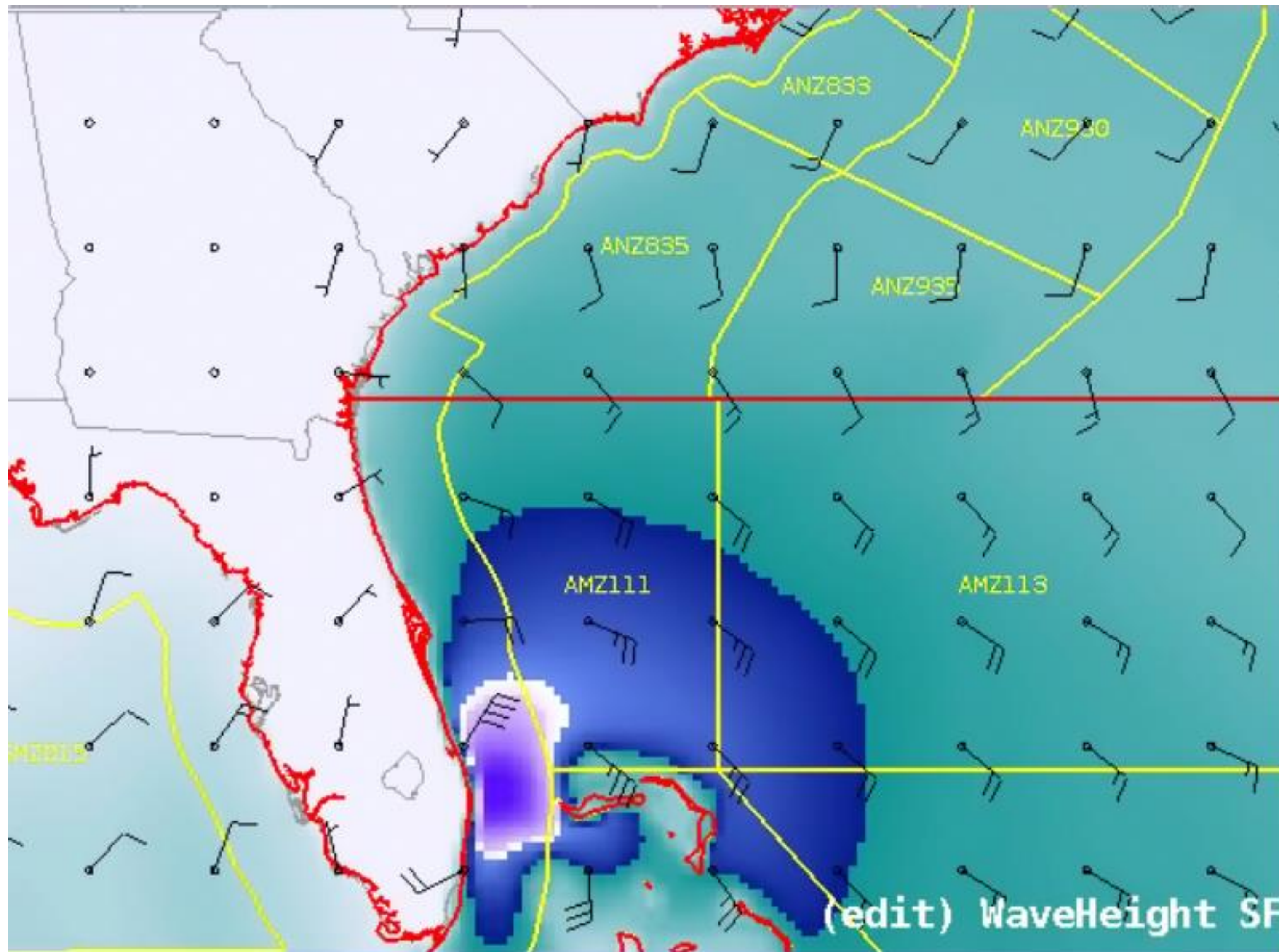


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## Current Conditions 8am EDT, Sunday, August 2<sup>nd</sup>, 2020

Peak Winds: 55 kt

Peak Seas: 22 ft



- Wave heights are in feet





# Wind And Waves

Hurricane Isaias

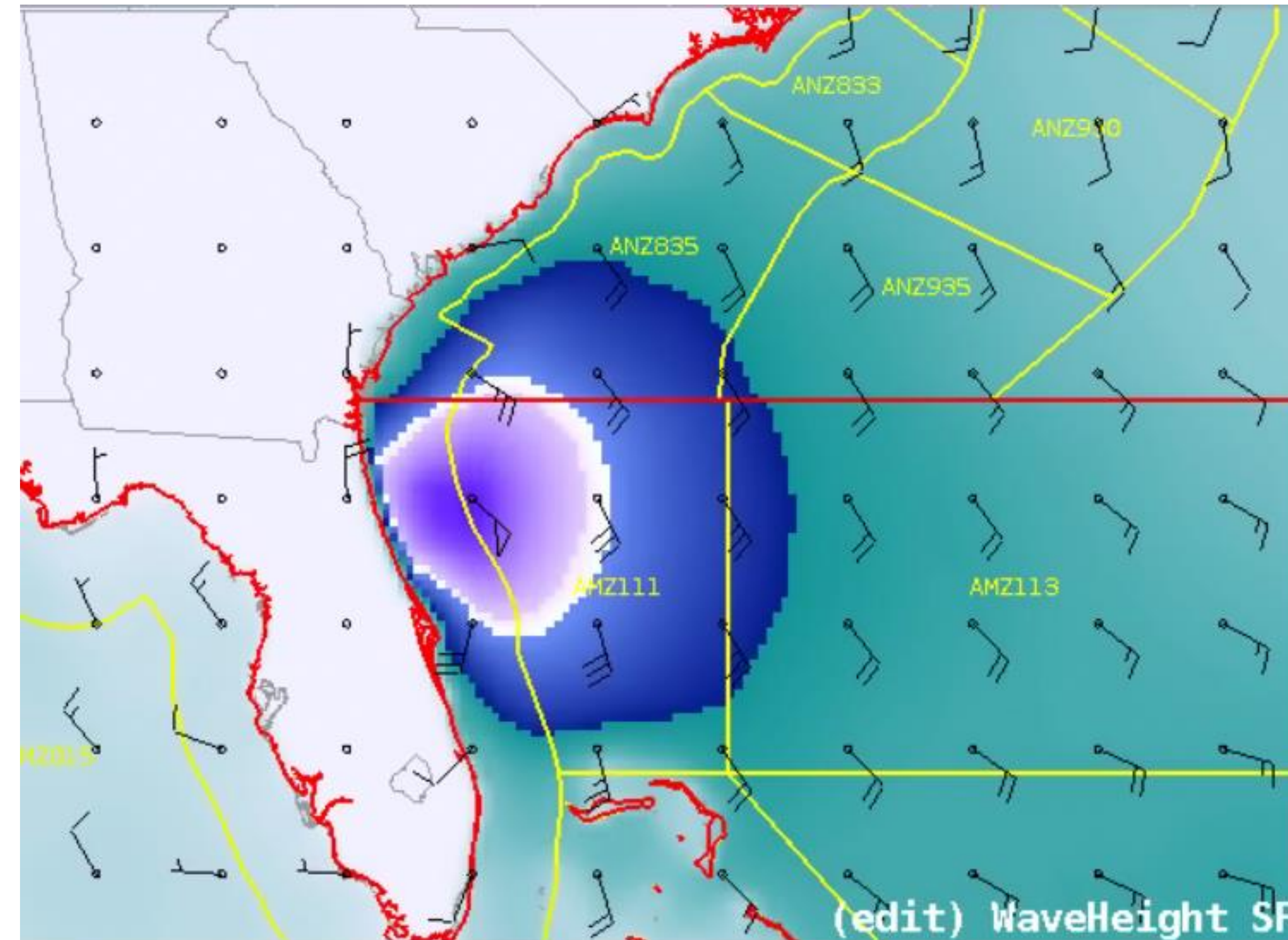


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## 24 Hour Forecast 8am EDT, Monday, August 3<sup>rd</sup>, 2020

Peak Winds: 55 kt

Peak Seas: 20 ft



- Wave heights are in feet





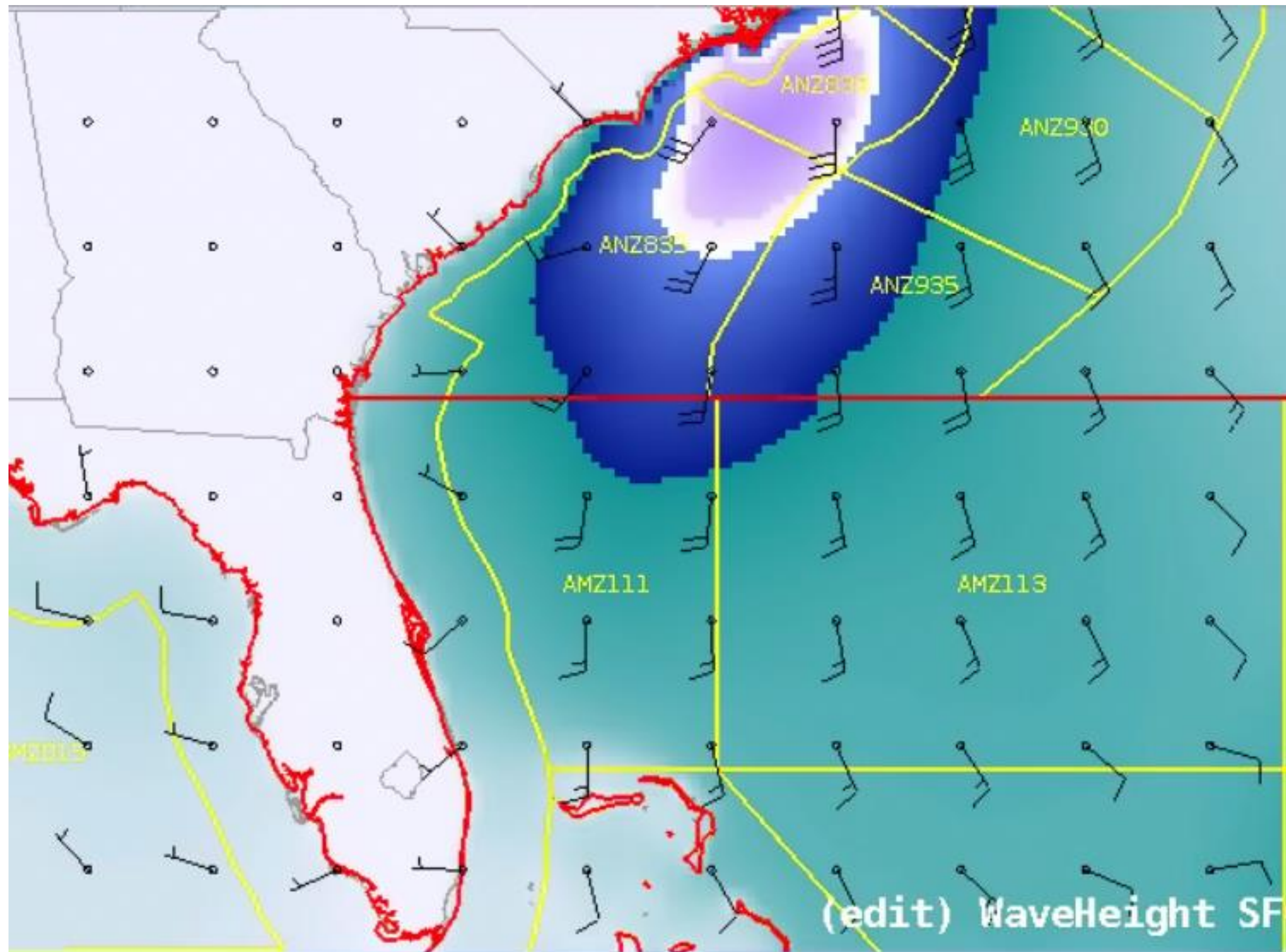
# Wind And Waves

Hurricane Isaias



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**48 Hour Forecast**  
**8am EDT, Tuesday, August 4<sup>th</sup>, 2020**  
Peak Winds: 35 kt (in D7 SRR)  
Peak Seas: 15 ft (in D7 SRR)



- Wave heights are in feet



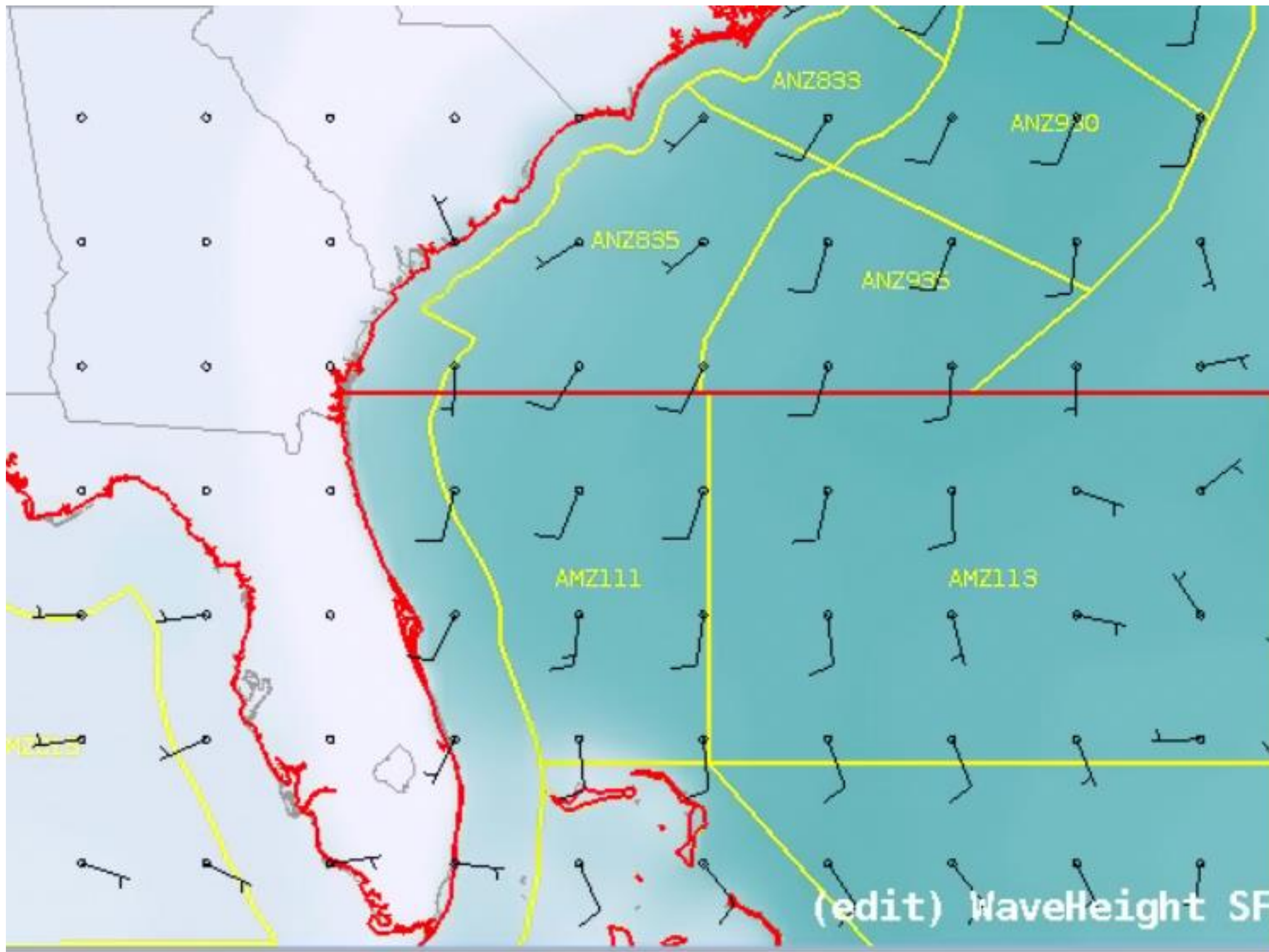


# Wind And Waves

Hurricane Isaias



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## 72 Hour Forecast

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

Peak Winds: 10 kt (in D7 SRR)

Peak Seas: 6 ft

- Wave heights are in feet





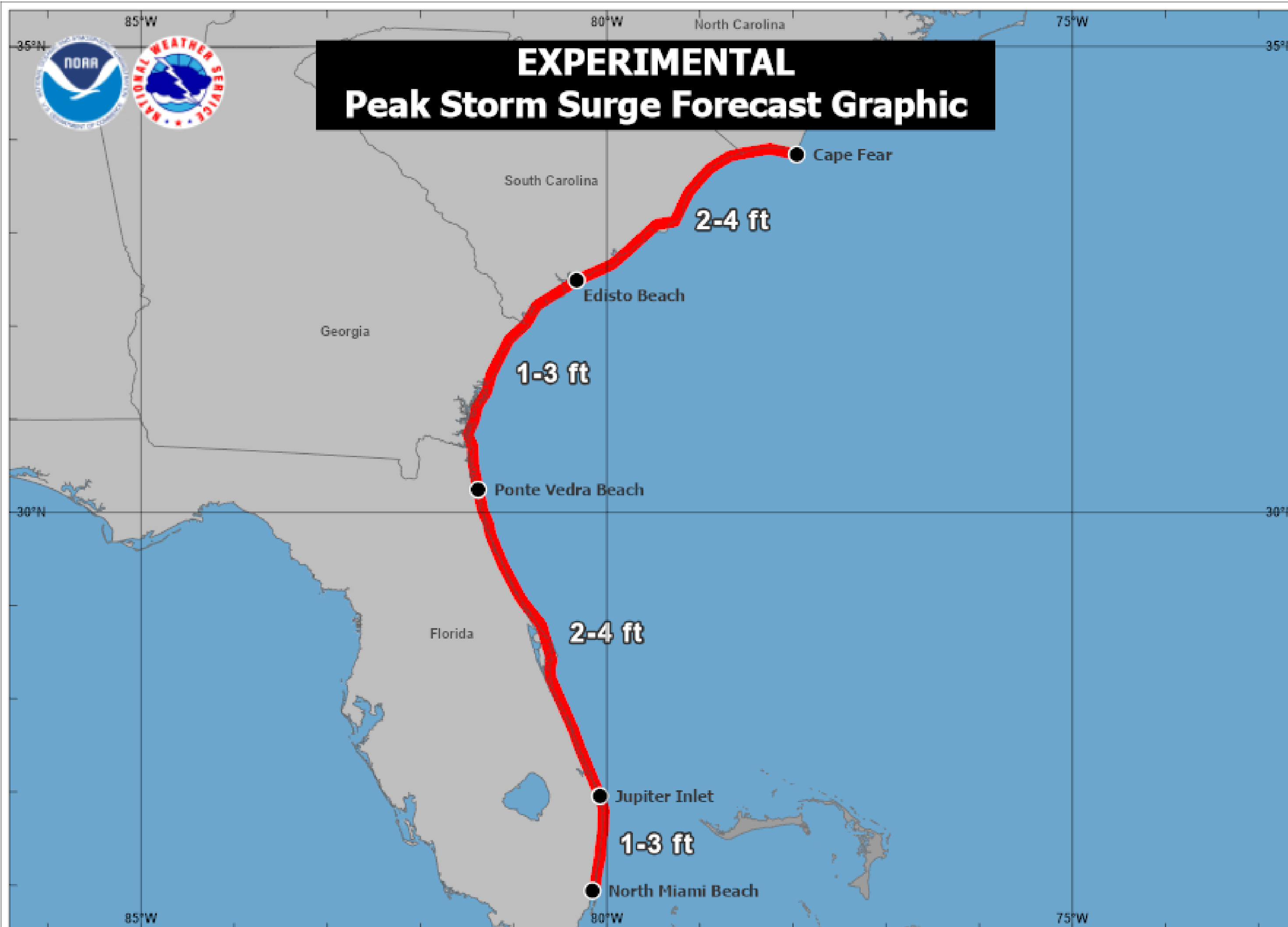
# Potential Peak Storm Surge

Tropical Storm Isaias



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NWS National Hurricane Center

## EXPERIMENTAL Peak Storm Surge Forecast Graphic



Tropical Storm Isaias  
Sunday August 02, 2020  
05 AM EDT Advisory 21  
NWS National Hurricane Center

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water could reach the following heights above ground somewhere within the indicated areas if the peak surge occurs at the time of high tide. The deepest water will occur along the immediate coast near the landfall location, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances.

- Potential storm surge is represented in feet above the ground at any given point.
- A **Storm Surge Watch** is in effect for...
- Jupiter Inlet to Ponte Vedra Beach Florida
- Edisto Beach South Carolina to Cape Fear North Carolina

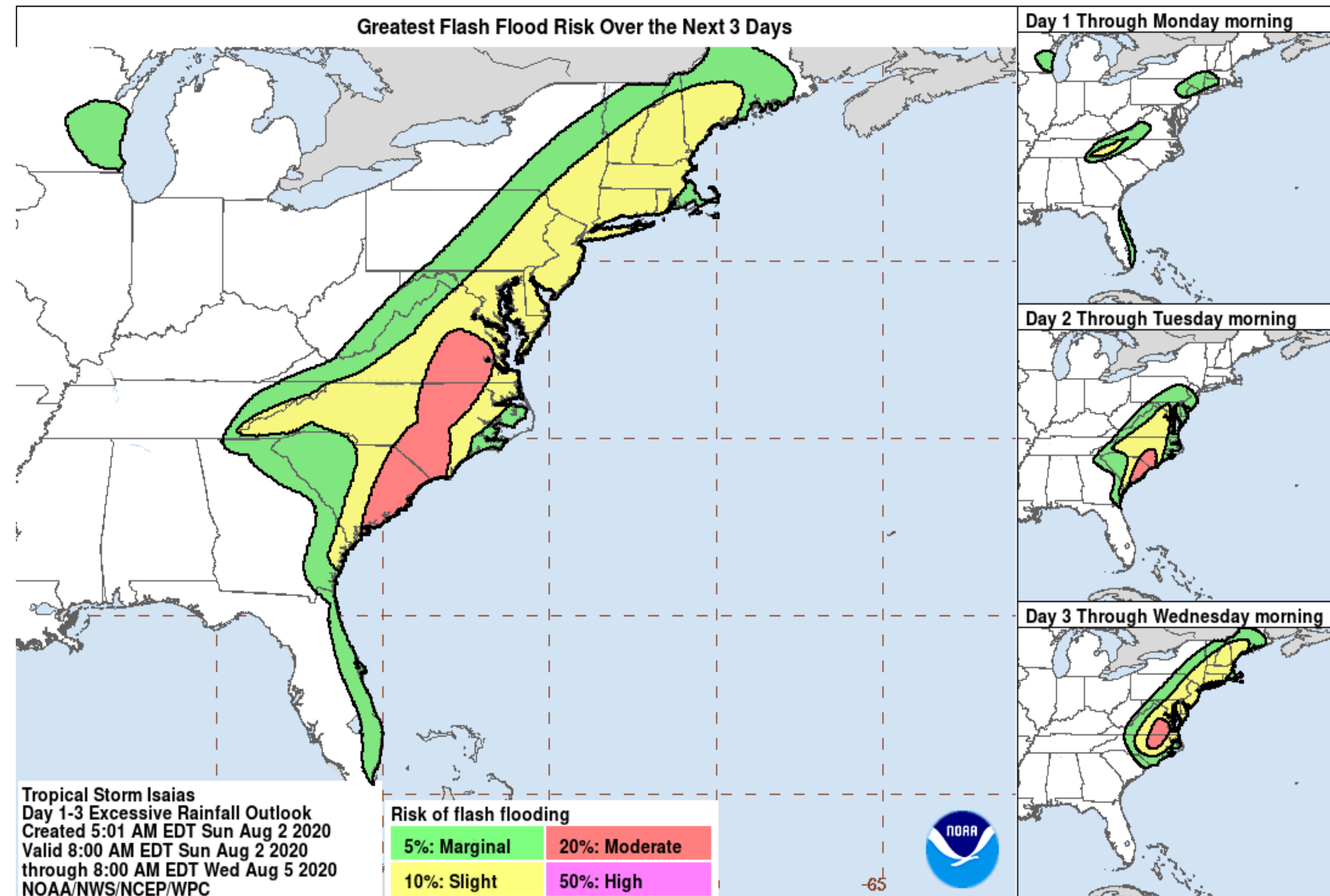
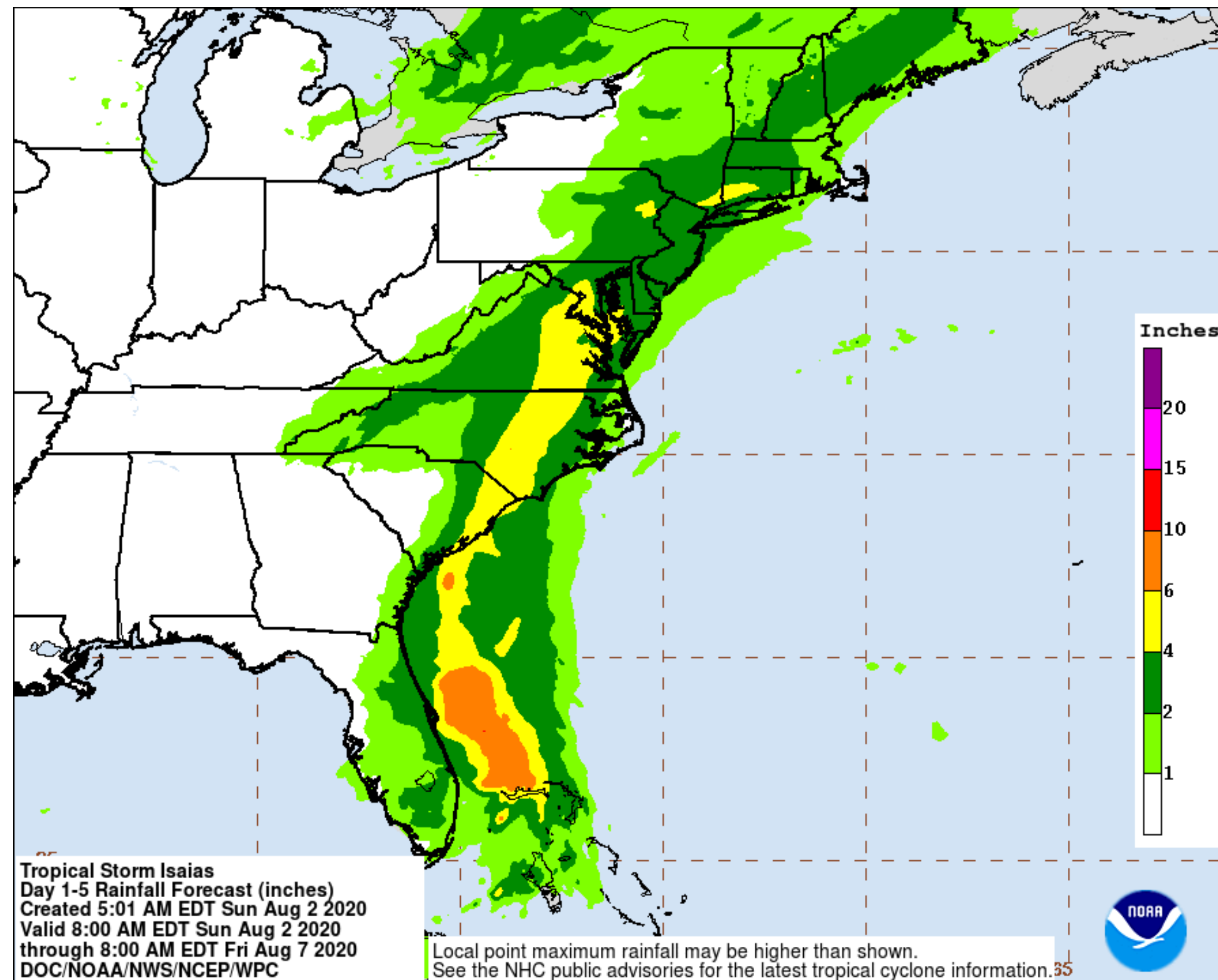


# Expected Storm Total Rainfall and Chance of Flooding Rain



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## Tropical Storm Isaias



- Total rainfall in inches through Friday morning.

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

**HIGH: > 50%** **SLGT: 10%-20%**

**MDT: 20%-50%** **MRGL: 5%-10%**

Valid through Wednesday morning

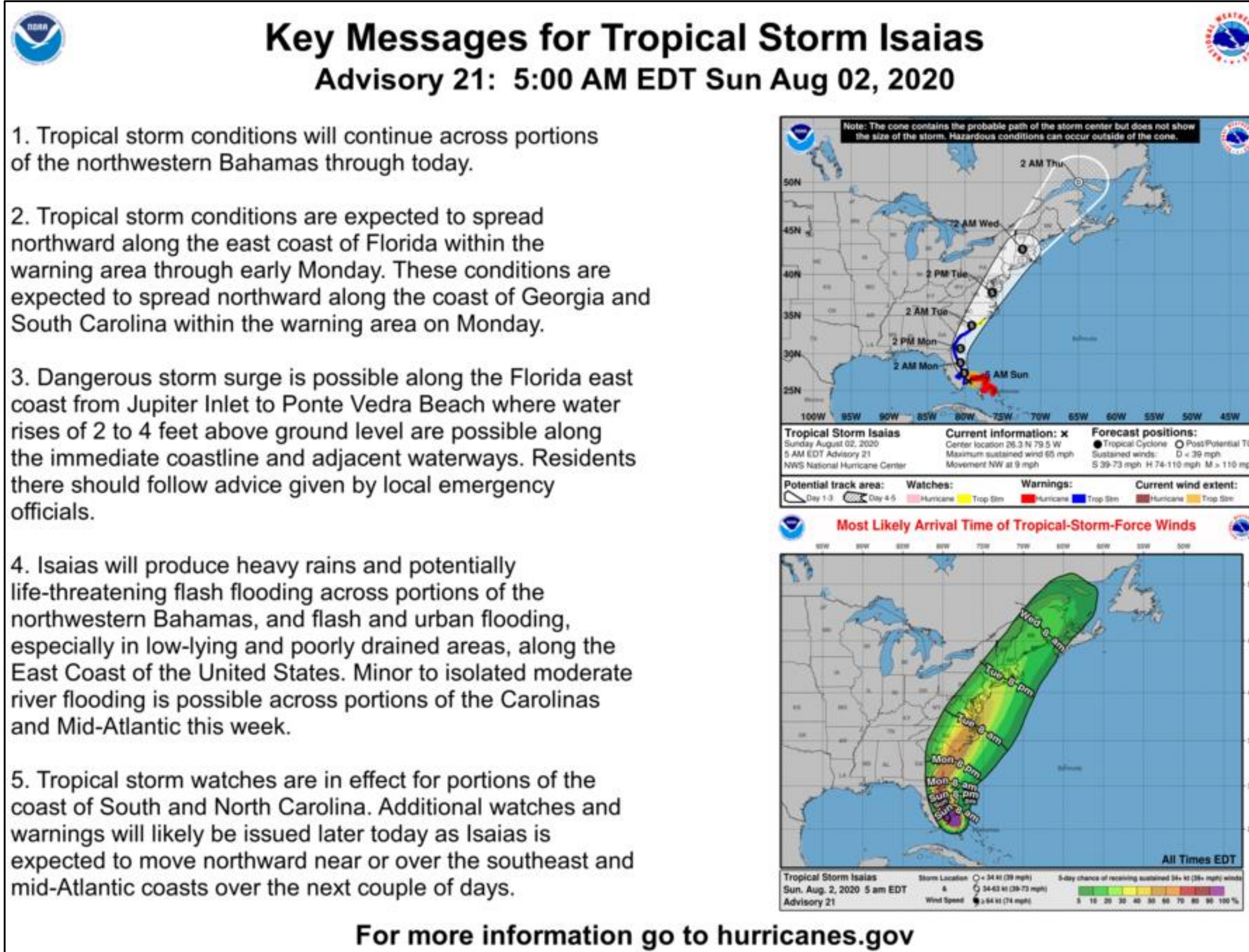


# Key Messages

## Tropical Storm Isaias



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NWS National Hurricane Center



- **Marine Key Messages:**
- Peak seas near 22 ft just offshore of SE Florida
- Large area of seas 12' or greater will move with Isaias just east of NE Florida, Georgia, and South Carolina today and Monday
- Seas will subside in D7 SRR by Tuesday





# TROPICAL STORM ISAIAS BRIEFING

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

*The Next Briefing Will Be:  
Sunday 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)*



NHC\_TAFB

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