

IMPACTS FOR D7 (through next 3 days)

Winds – High (FL), Moderate (SC)

Storm Surge – Moderate (FL, SC)

Rainfall/Flash Flooding – Moderate (FL, SC)

Tornadoes – None

Waves - High

HURRICANE ISAIAS BRIEFING

9:00 AM EDT

Saturday, August 1, 2020

Prepared by:

Chris Landsea

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



Situation Overview

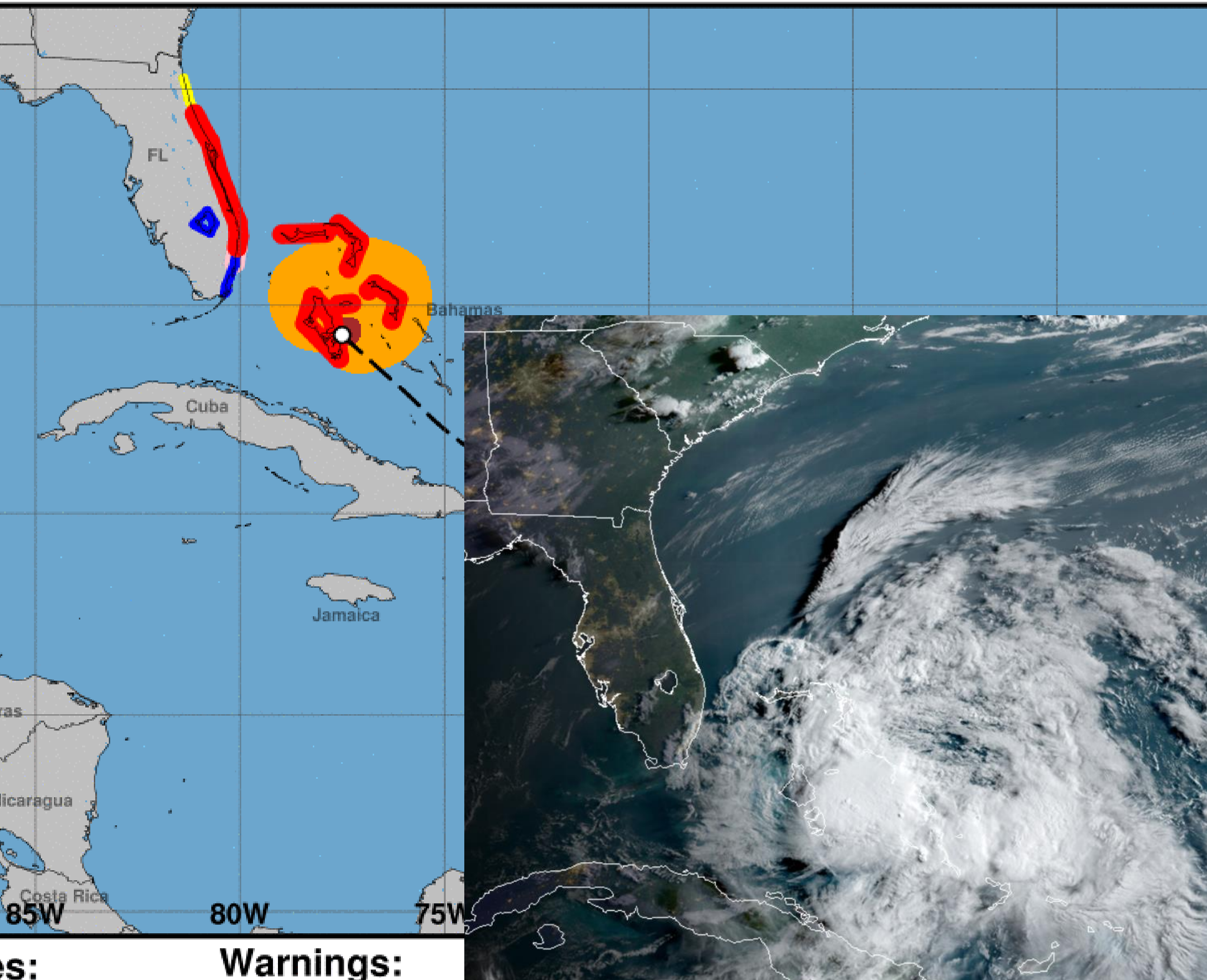
Hurricane Isaias



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NWS National Hurricane Center

Surface Wind Field of Hurricane Isaias

Sustained Winds as of 800 AM EDT Sat Aug 01, 2020 Advisory Number 17A



...RAGGED EYE OF ISAIAS NEAR EASTERN ANDROS ISLAND...

...EXPECTED TO APPROACH THE SOUTHEAST COAST OF FLORIDA LATER TODAY AND SUNDAY...

SUMMARY OF 800 AM EDT INFORMATION

LOCATION...24.3N 77.5W
ABOUT 20 MI E OF ANDROS ISLAND BAHAMAS
ABOUT 50 MI S OF NASSAU BAHAMAS
MAXIMUM SUSTAINED WINDS...70 KT

SIZE (in nautical miles)

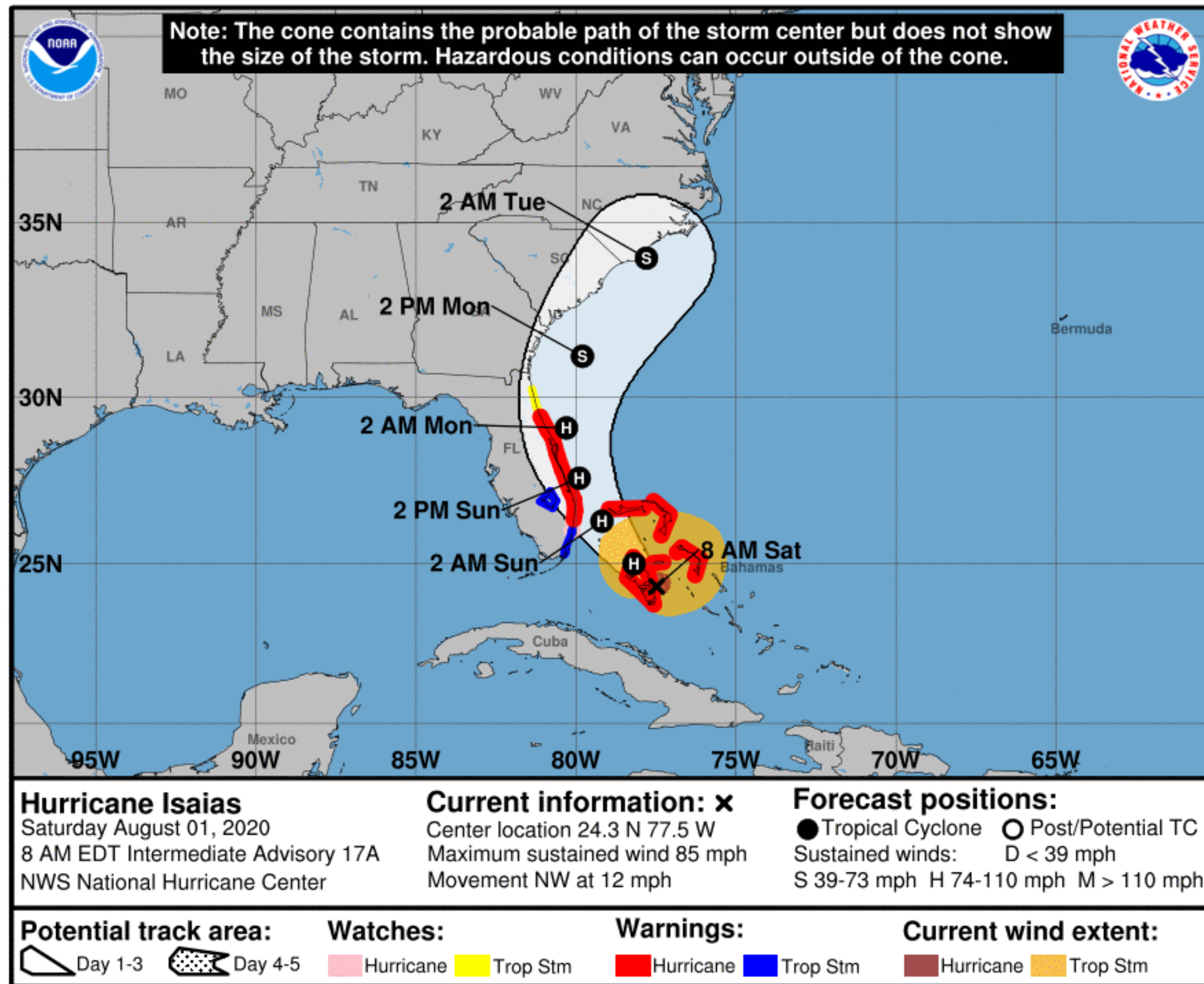
64 KT..... 30NE 20SE 0SW 20NW.
50 KT..... 80NE 30SE 0SW 50NW.
34 KT.....150NE 70SE 30SW 130NW.
12 FT SEAS..210NE 150SE 45SW 180NW.

Forecast Information

Hurricane 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 and slow its forward speed by Sunday, then recurve toward the north-northeast Monday and Tuesday
- The hurricane will track over many of the Bahamian islands and the center will move close to or over the east central Florida coast on Sunday
- After recurvature, Isaias is a threat to 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

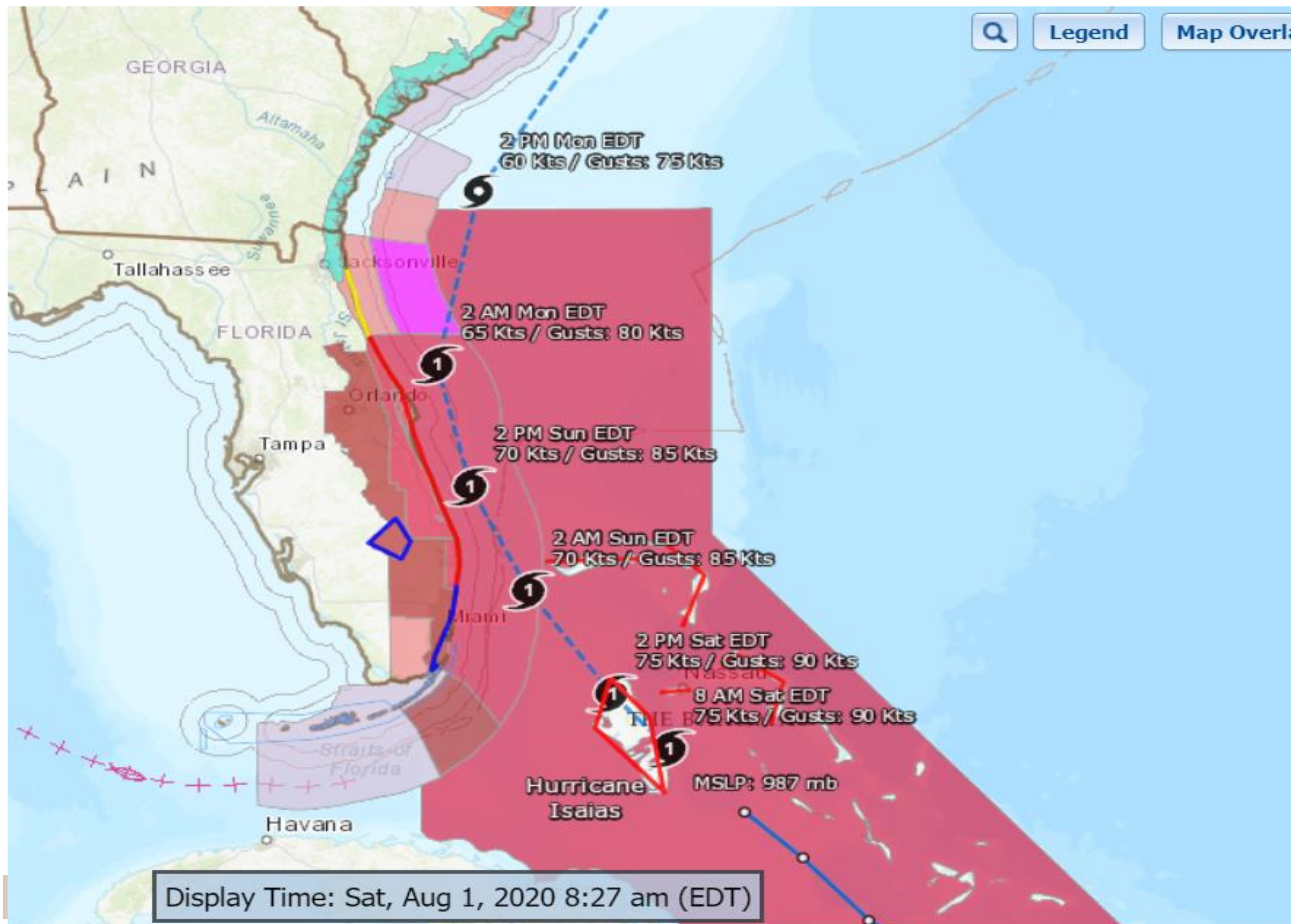
** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Hurricane Isaias



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■ <https://nowcoast.noaa.gov/>

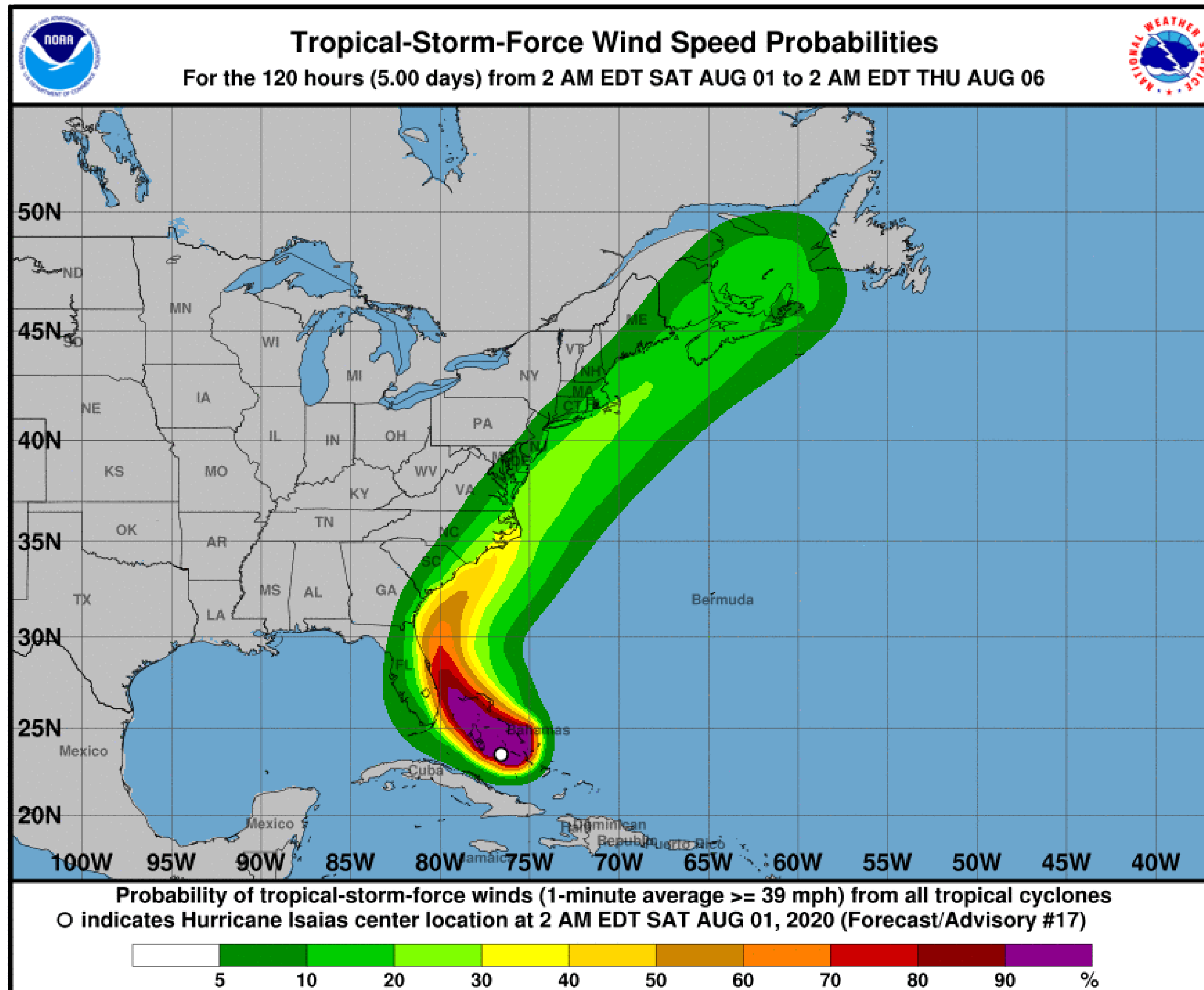


Tropical Storm Wind Probabilities

Hurricane Isaias



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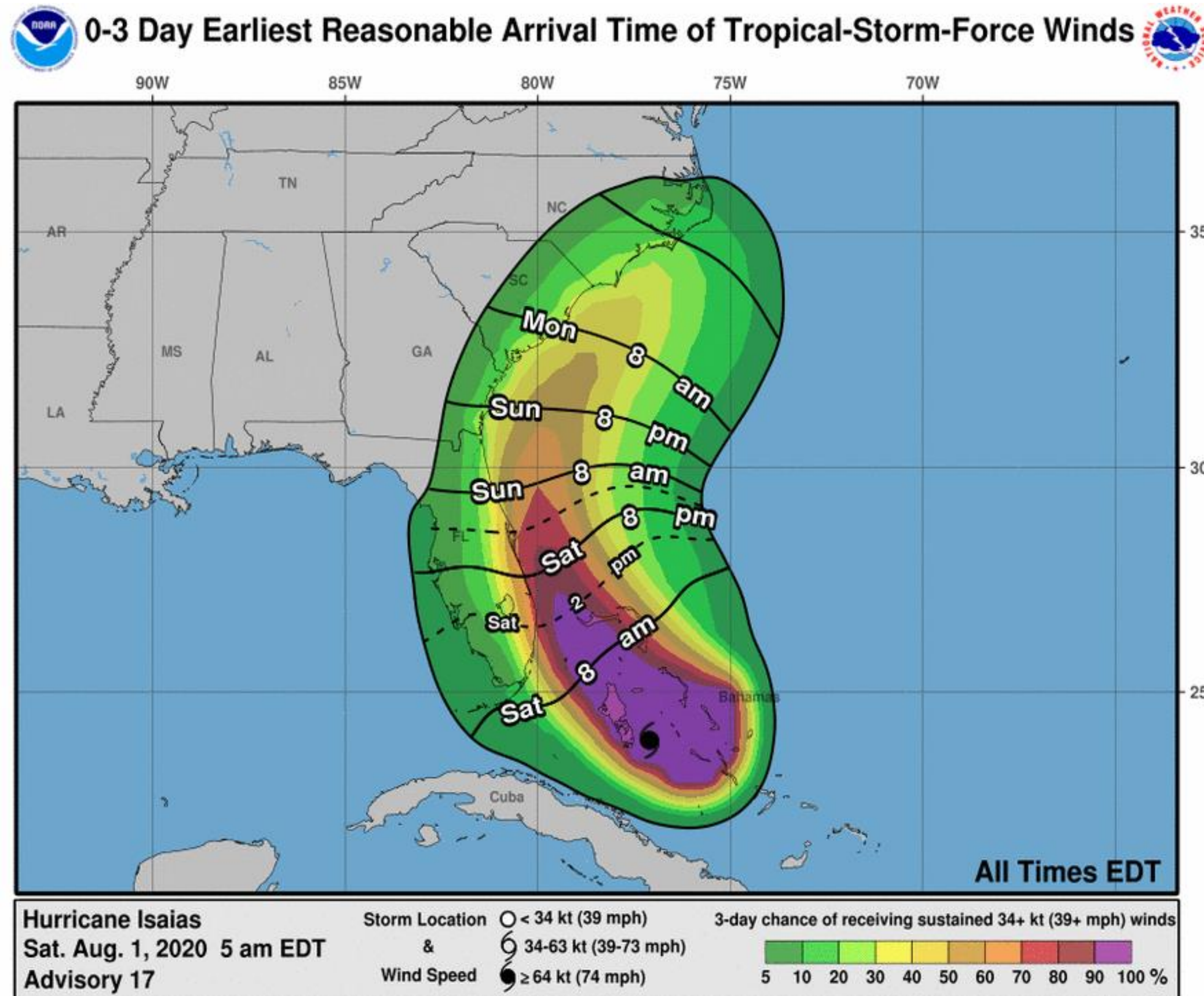
- Miami – 25%, Ft. Lauderdale – 60%
 - Palm Beach – 75%, Cape Canaveral – 65%
 - Jacksonville – 15%, Savannah – 10%
 - Charleston – 30%
-
- The chance of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
 - Clear or dark green are the lowest chances 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.

Earliest Reasonable Time of Arrival

Hurricane Isaias



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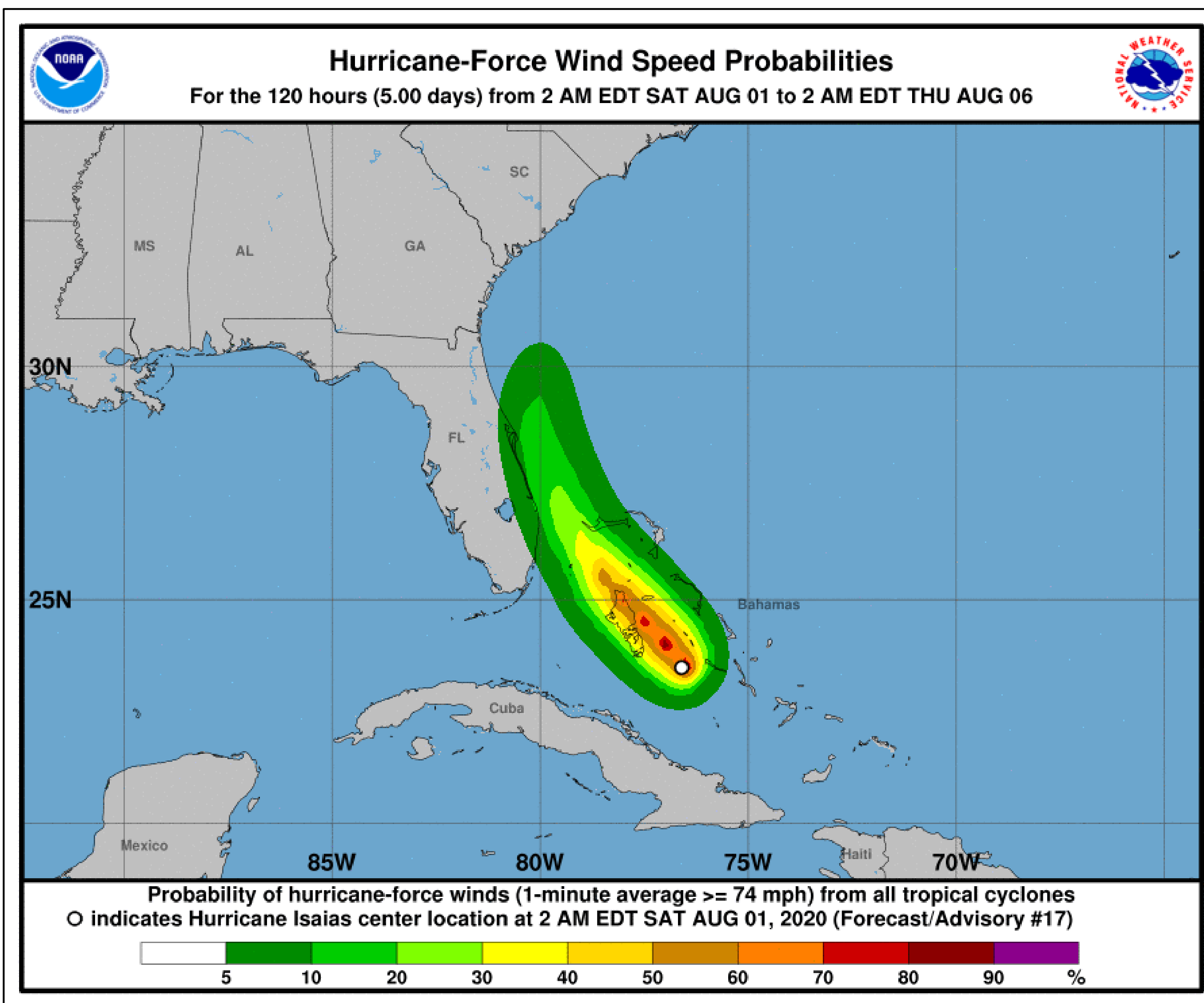
- Miami/Ft. Lauderdale – This afternoon
 - Cape Canaveral – Early Sunday morning
 - Georgia – Sunday night
 - South Carolina – Monday morning
-
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
 - Clear 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.

Hurricane Wind Speed Probabilities

Hurricane Isaias



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- **5-10% Palm Beach, Fort Pierce, Cape Canaveral**
- Probabilities of sustained hurricane force winds (64 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.

Wind And Waves

Hurricane Isaias

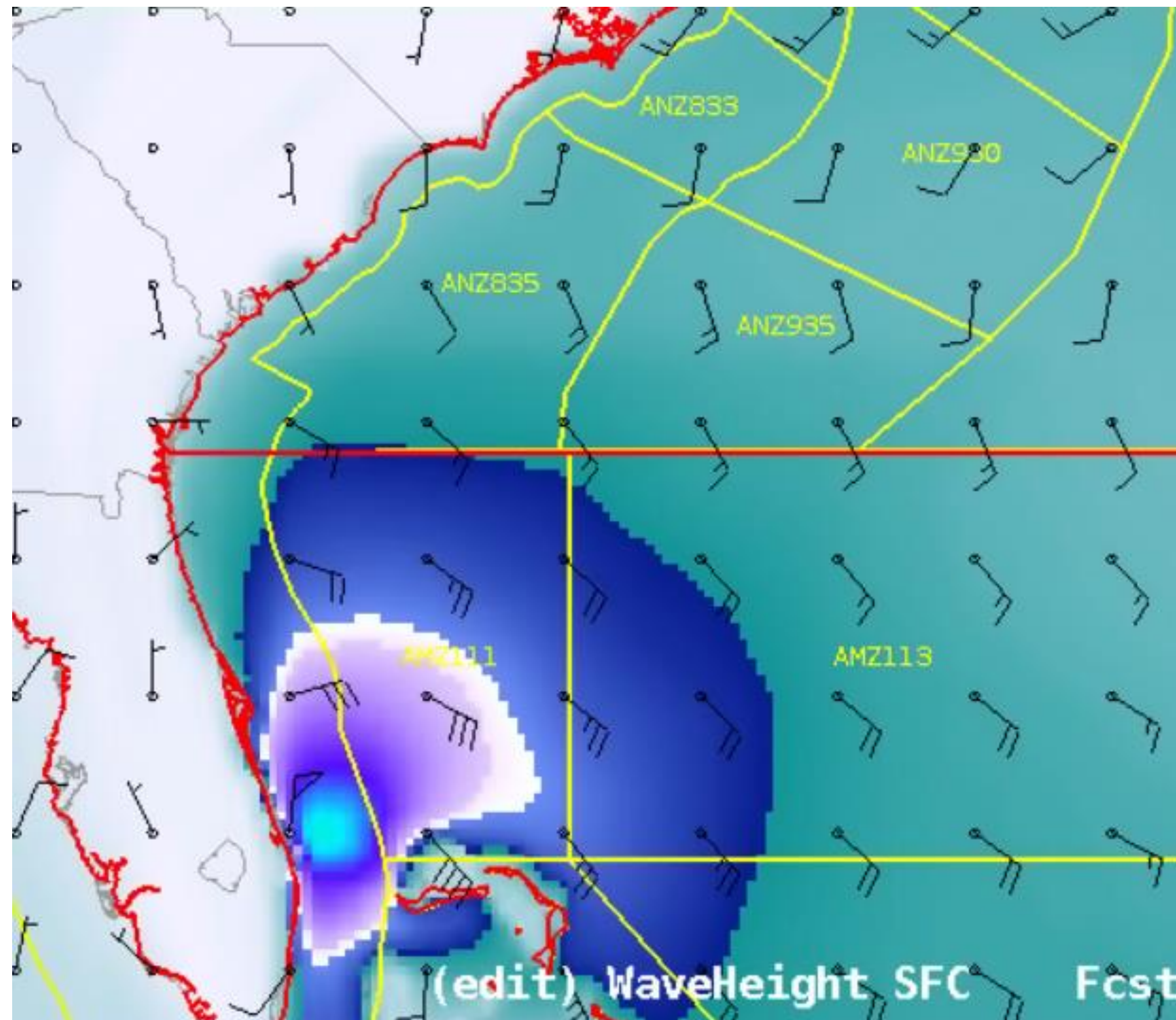


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NWS National Hurricane Center

24 Hour Forecast 8am EDT, Sunday, August 2nd, 2020

Peak Winds: 70 kt

Peak Seas: 25 ft



- Wave heights are in feet

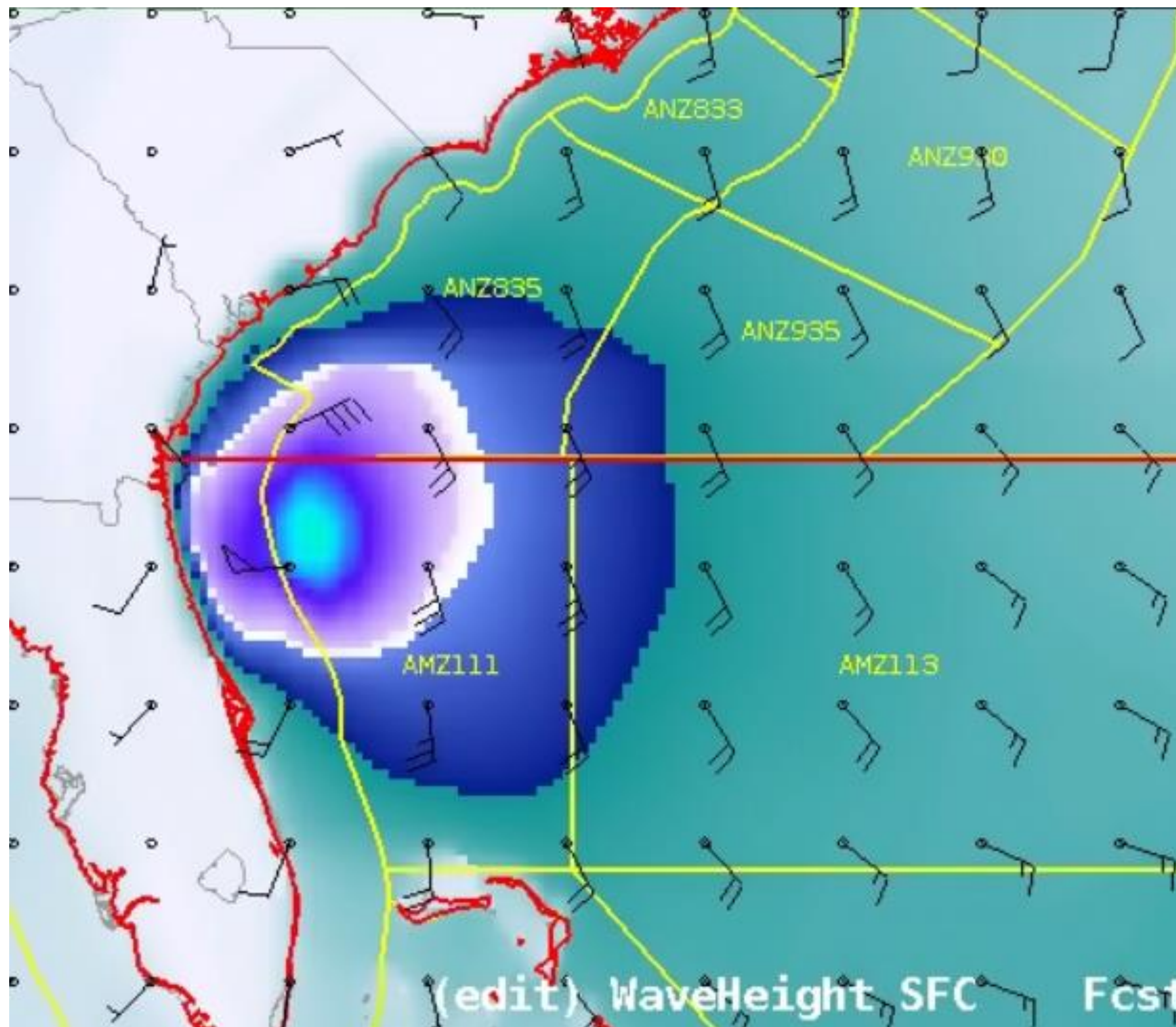


Wind And Waves

Hurricane Isaias



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48 Hour Forecast
8am EDT, Monday, August 3rd, 2020

Peak Winds: 65 kt

Peak Seas: 20 ft



- Wave heights are in feet

Wind And Waves

Hurricane Isaias

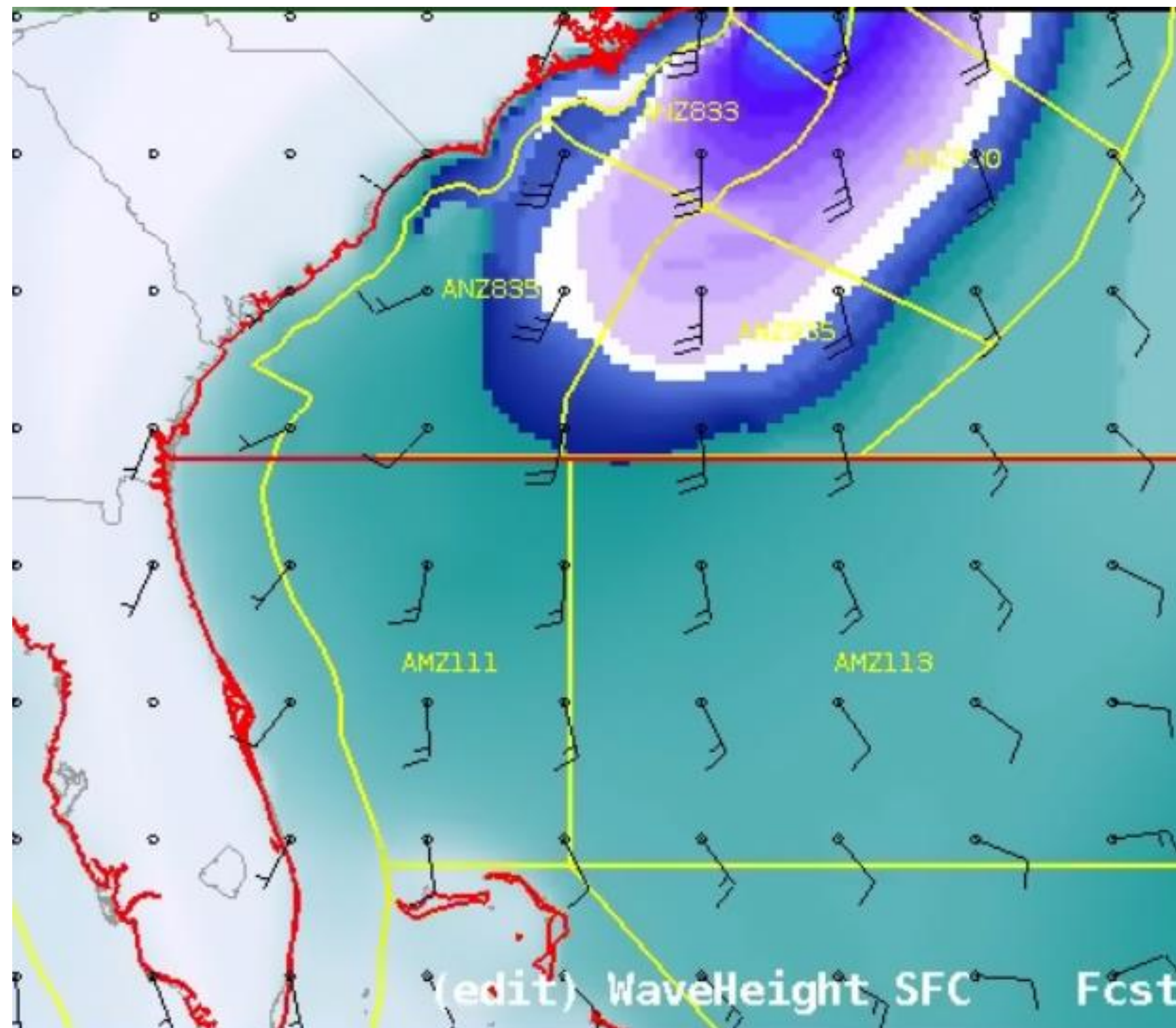


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72 Hour Forecast 8am EDT, Tuesday, August 4th, 2020

Peak Winds: 60 kt

Peak Seas: 25 ft



- Wave heights are in feet



Wind And Waves

Hurricane Isaias



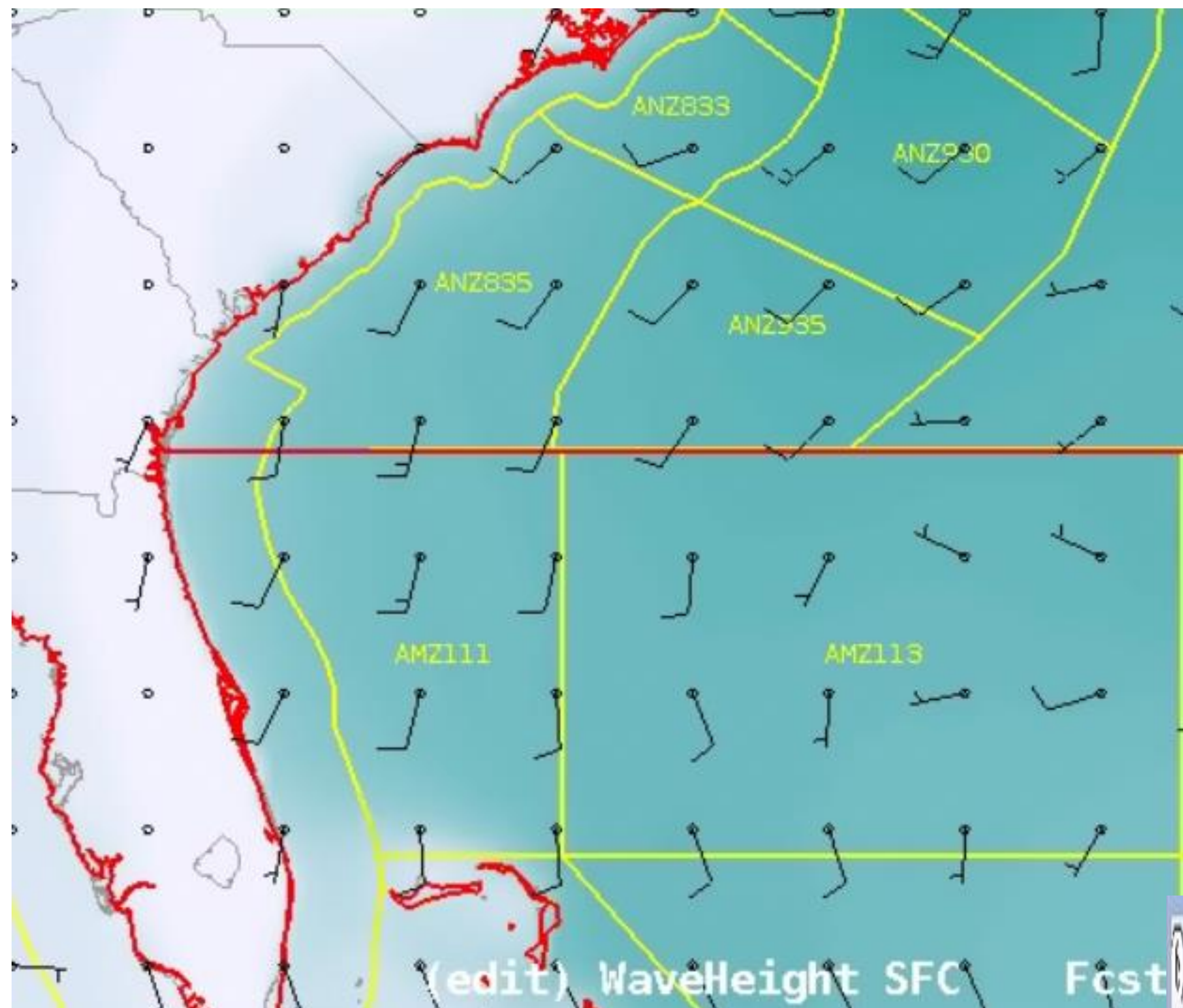
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96 Hour Forecast

8am EDT, Wednesday, August 5th, 2020

Peak Winds: 15 kt (in D7 SRR)

Peak Seas: 6 ft



- Wave heights are in feet

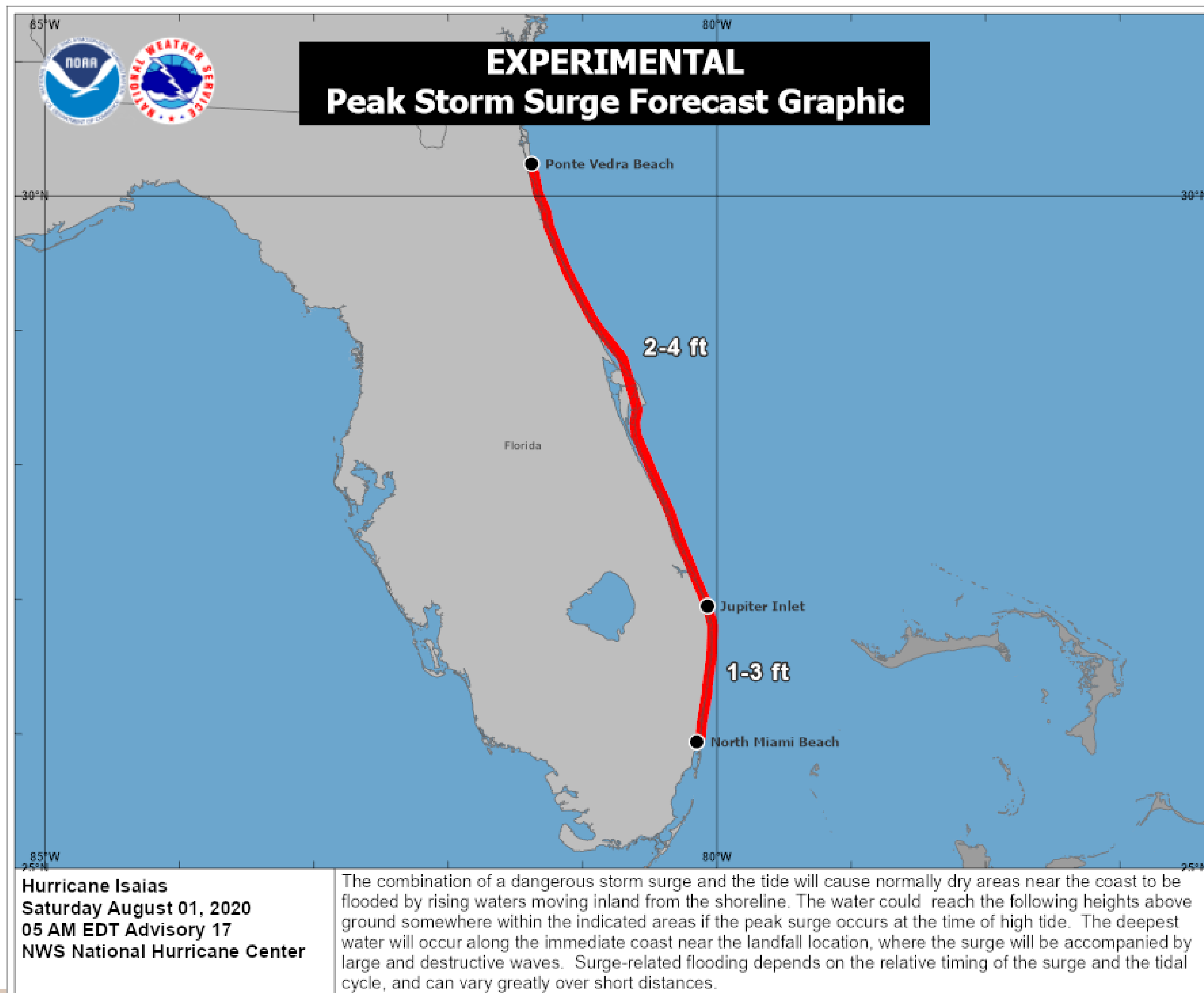


Potential Peak Storm Surge

Hurricane Isaias



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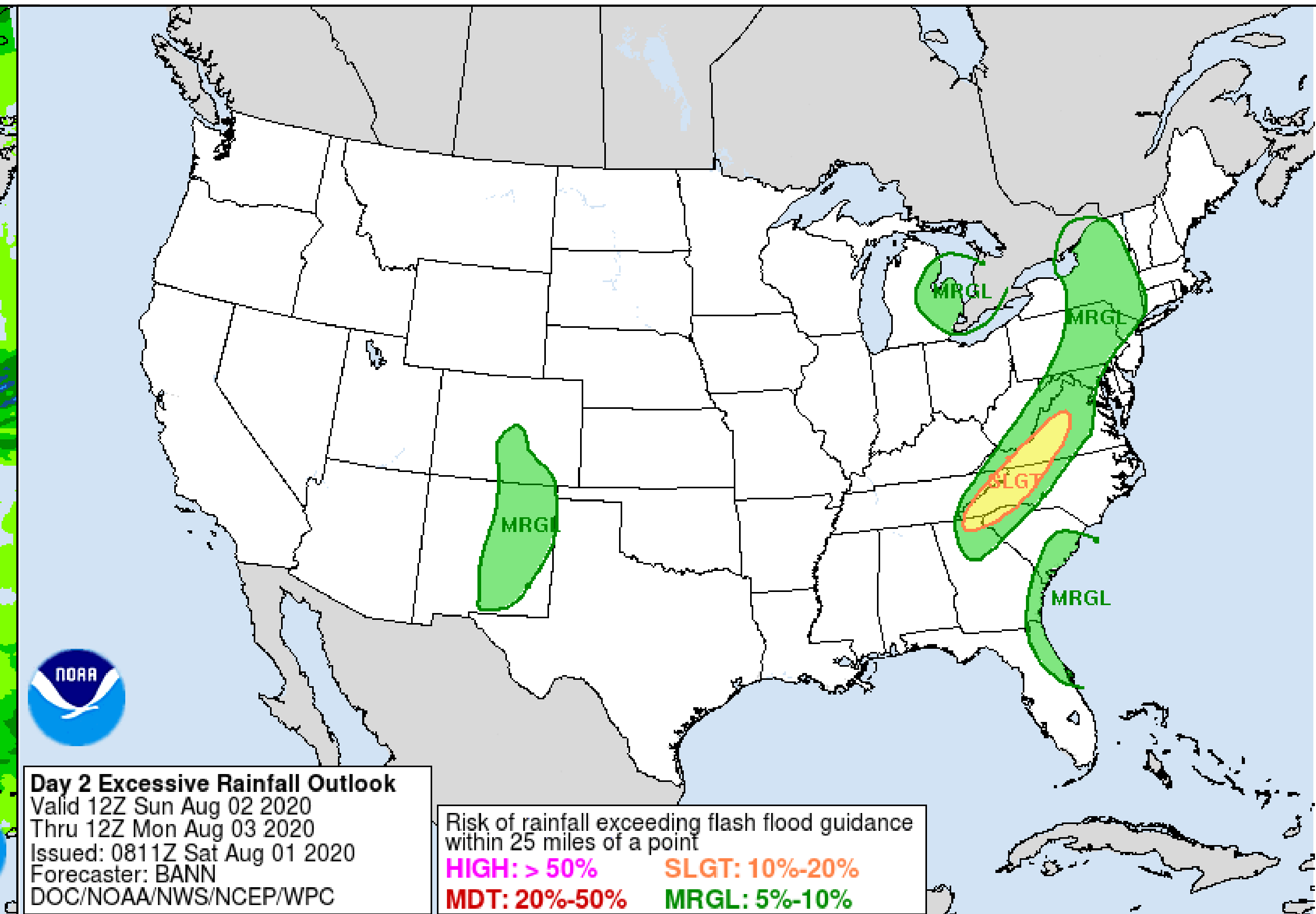
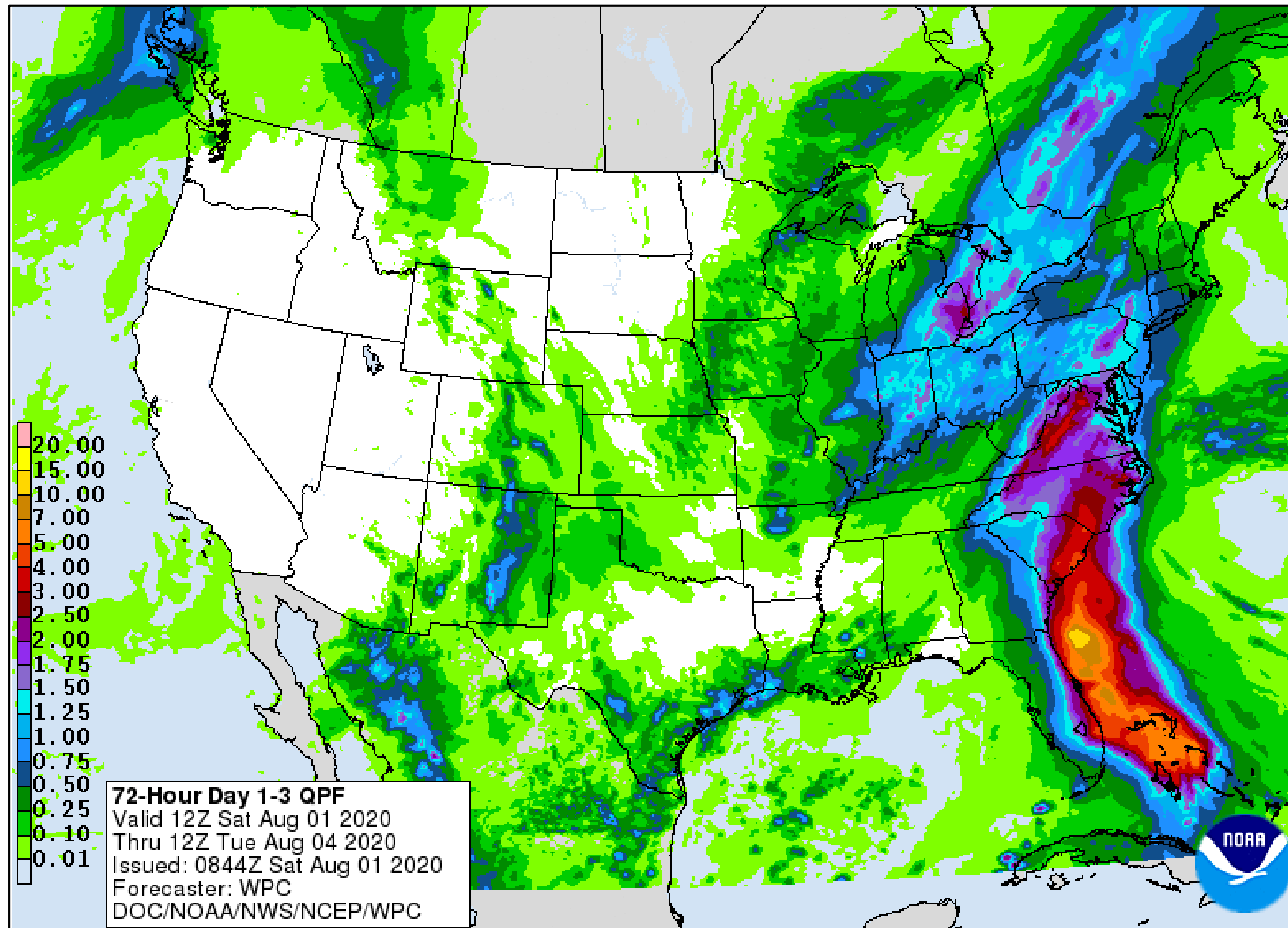
- Potential storm surge is represented in feet above the ground at any given point.

Expected Storm Total Rainfall

Hurricane Isaias



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- Total rainfall in inches during the time span stated on the map.

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

Hurricane Isaias




Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Key Messages for Hurricane Isaias

Advisory 17: 5:00 AM EDT Sat Aug 01, 2020

1. Hurricane conditions and dangerous storm surge are expected in portions of the Bahamas through Saturday, and Hurricane Warnings are in effect.
2. Hurricane conditions are expected along portions of the Florida east coast late Saturday and Saturday night, and a Hurricane Warning is in effect. Preparations to protect life and property should be rushed to completion.
3. Dangerous storm surge is possible along the Florida east coast from Jupiter Inlet to Ponte Vedra Beach where water rises of 2 to 4 feet above ground level are possible along the immediate coastline and adjacent waterways. Residents in these areas should follow advice given by local emergency officials.
4. Isaias will produce heavy rains and potentially life-threatening flash and urban flooding, especially in low-lying and poorly drained areas, across South to east-Central Florida, and across the Carolinas to the mid Atlantic. Minor river flooding is possible across portions of the Carolinas and into Virginia early next week.
5. There is a risk of impacts from winds, heavy rainfall, and storm surge spreading along much of the the U.S. east coast through early next week, and interests there should monitor the progress of Isaias and updates to the forecast.



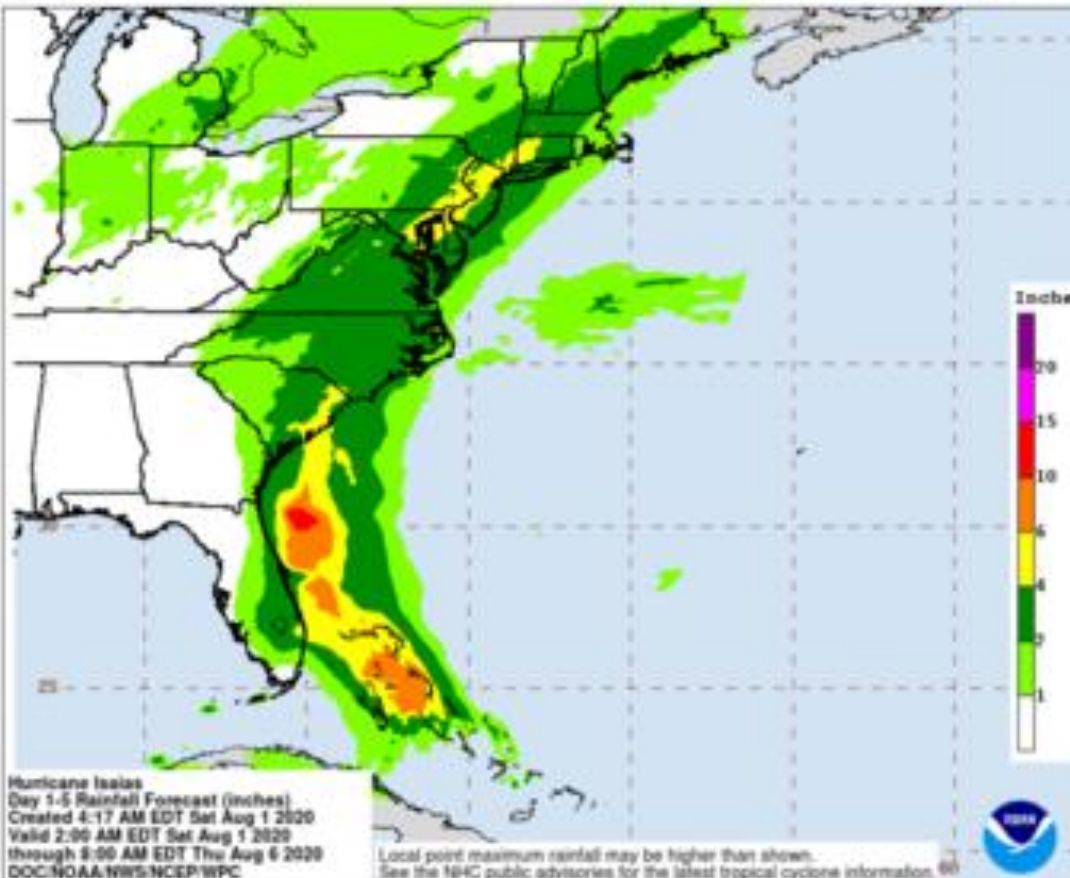
Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.

Hurricane Isaias
Saturday August 01, 2020
5 AM EDT Advisory 17
NWS National Hurricane Center

Current information: x
Center location 23.9 N 77.1 W
Maximum sustained wind 85 mph
Movement NW at 12 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 Trop Str
Warnings: Hurricane Trop Str
Current wind extent: Hurricane Trop Str



Hurricane Isaias
Day 1-5 Rainfall Forecast (inches)
Created 4:17 AM EDT Sat Aug 1 2020
Valid 2:00 AM EDT Sat Aug 1 2020
through 8:00 AM EDT Thu Aug 6 2020
DOC: NOAA/NWS/NCEP/WPC

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

- Marine Key Messages:
- Seas to 25 ft through Tuesday before diminishing in D7 SRR on Wednesday



HURRICANE ISAIAS BRIEFING

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

*The Next Briefing Will Be:
Sunday 9:00 AM EDT*

You can always find get the latest graphics and information for this storm at www.hurricanes.gov



NHC_TAFB

www.nhc.noaa.gov