

IMPACTS FOR D8 (through next 5 days)

Winds – None

Storm Surge – None

Rainfall/Flash Flooding – None

Tornadoes – None

Waves - None

HURRICANE ISAIAS BRIEFING



8:30 AM CDT
Friday, July 31, 2020

Prepared by:
Chris Landsea

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

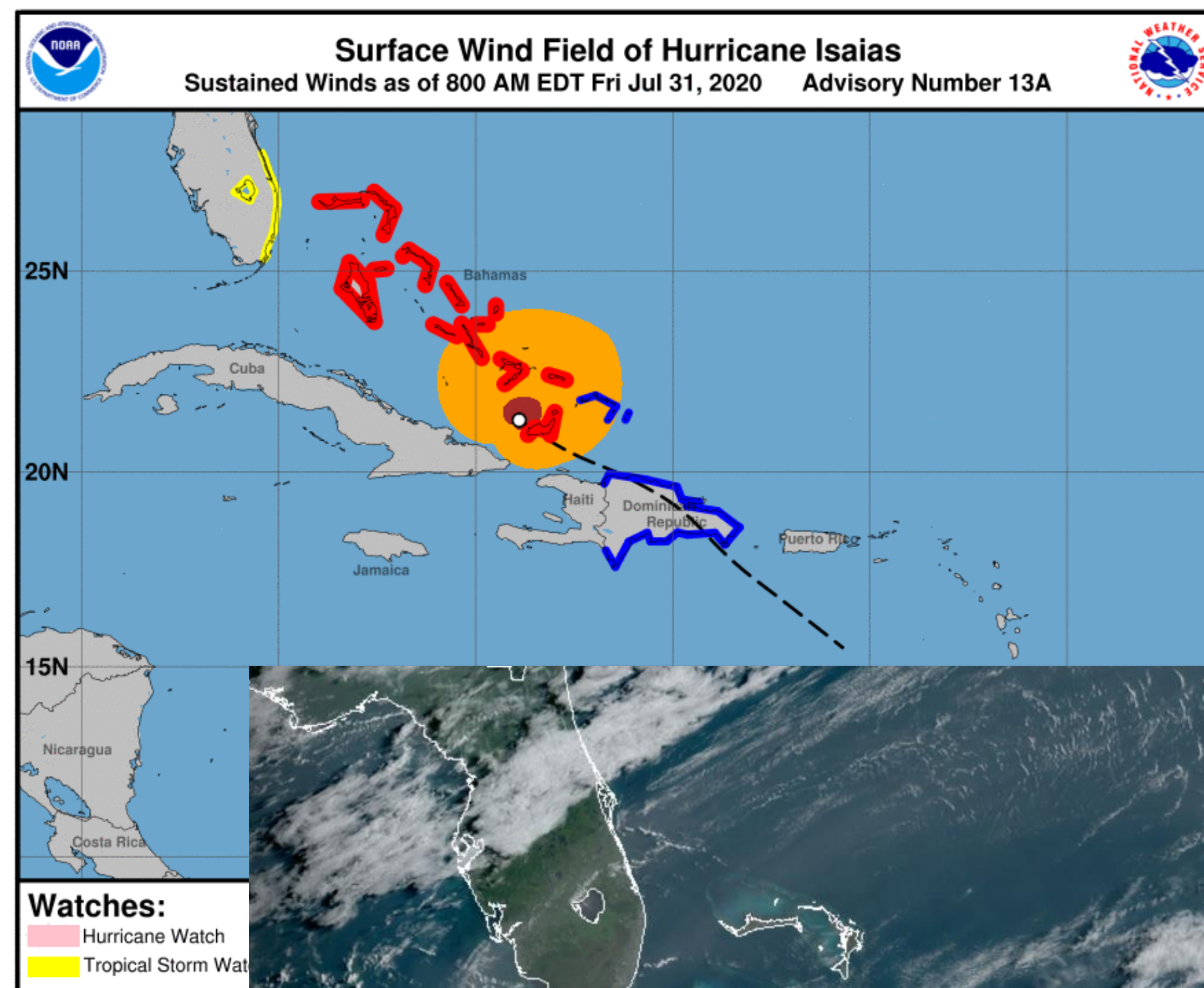
www.nhc.noaa.gov

Situation Overview

Hurricane Isaias



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



**...STRONG WINDS AND HEAVY SQUALLS
LASHING THE SOUTHEASTERN
BAHAMAS AND THE TURKS AND CAICOS
ISLANDS...
...HURRICANE CONDITIONS EXPECTED
TODAY OVER PORTIONS OF THE
BAHAMAS...**

SUMMARY OF 700 AM CDT INFORMATION

LOCATION...21.3N 73.9W
ABOUT 30 MI NW OF GREAT INAGUA ISLAND
ABOUT 340 MI SE OF NASSAU
MAXIMUM SUSTAINED WINDS...70 KT
PRESENT MOVEMENT...NW AT 15 KT

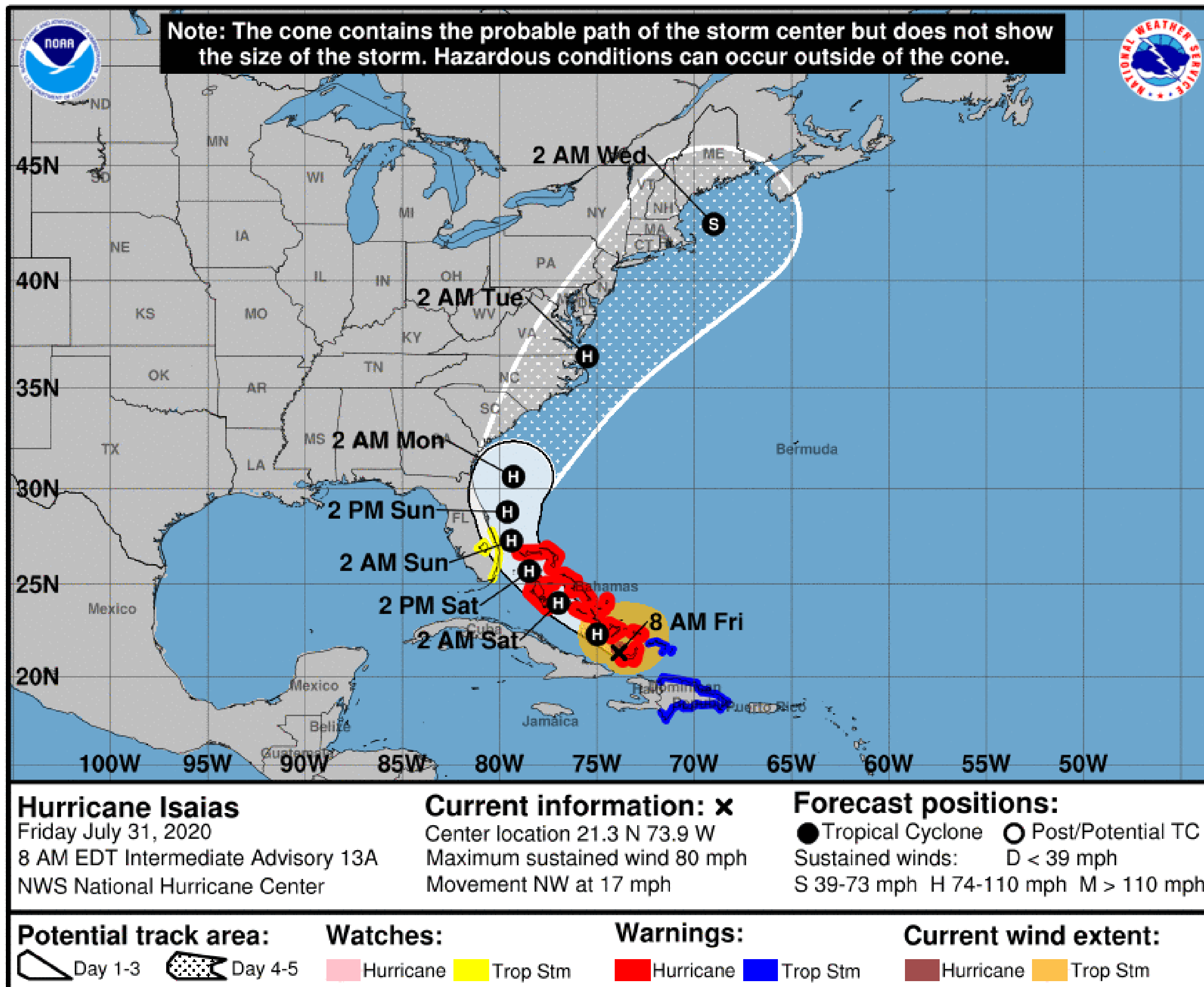
SIZE (in nautical miles)
64 KT..... 40NE 20SE 10SW 30NW.
50 KT..... 90NE 40SE 30SW 80NW.
34 KT.....180NE 90SE 50SW 150NW.
12 FT SEAS..330NE 210SE 90SW 360NW.

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
- After recurvature, Isaias is a threat to South Carolina and farther north along the U.S. mid-Atlantic and New England coasts
- Isaias should intensify some over the day or so before peaking in winds
- Current center forecast positions through the next 5 days illustrated by dots
- White swath of potential track is average track error added to each side of the forecast track through day 3
- Hatched swath of potential track is average track error added to each side of the forecast track days 4-5

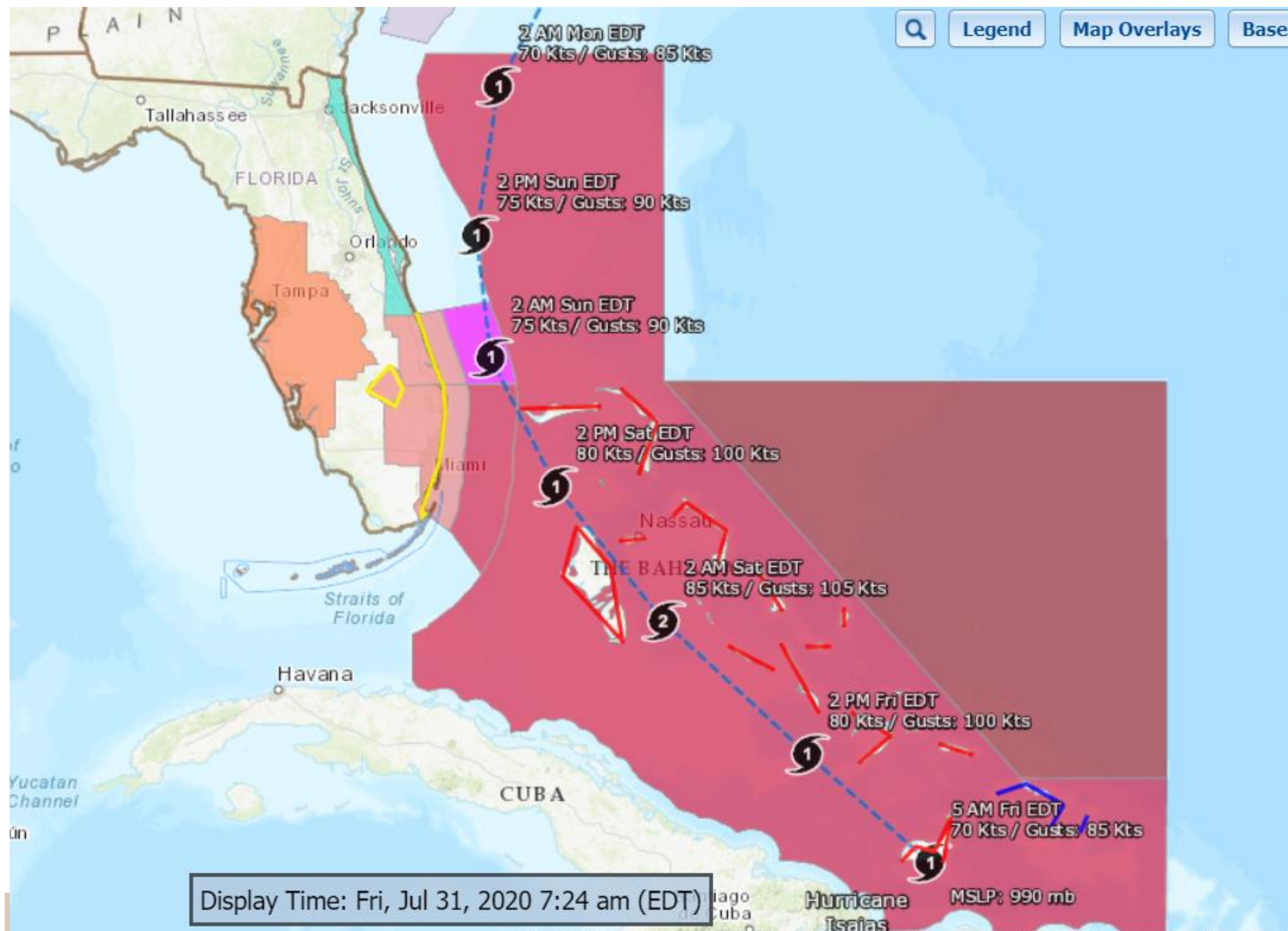
** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Hurricane Isaias



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■ <https://nowcoast.noaa.gov/>

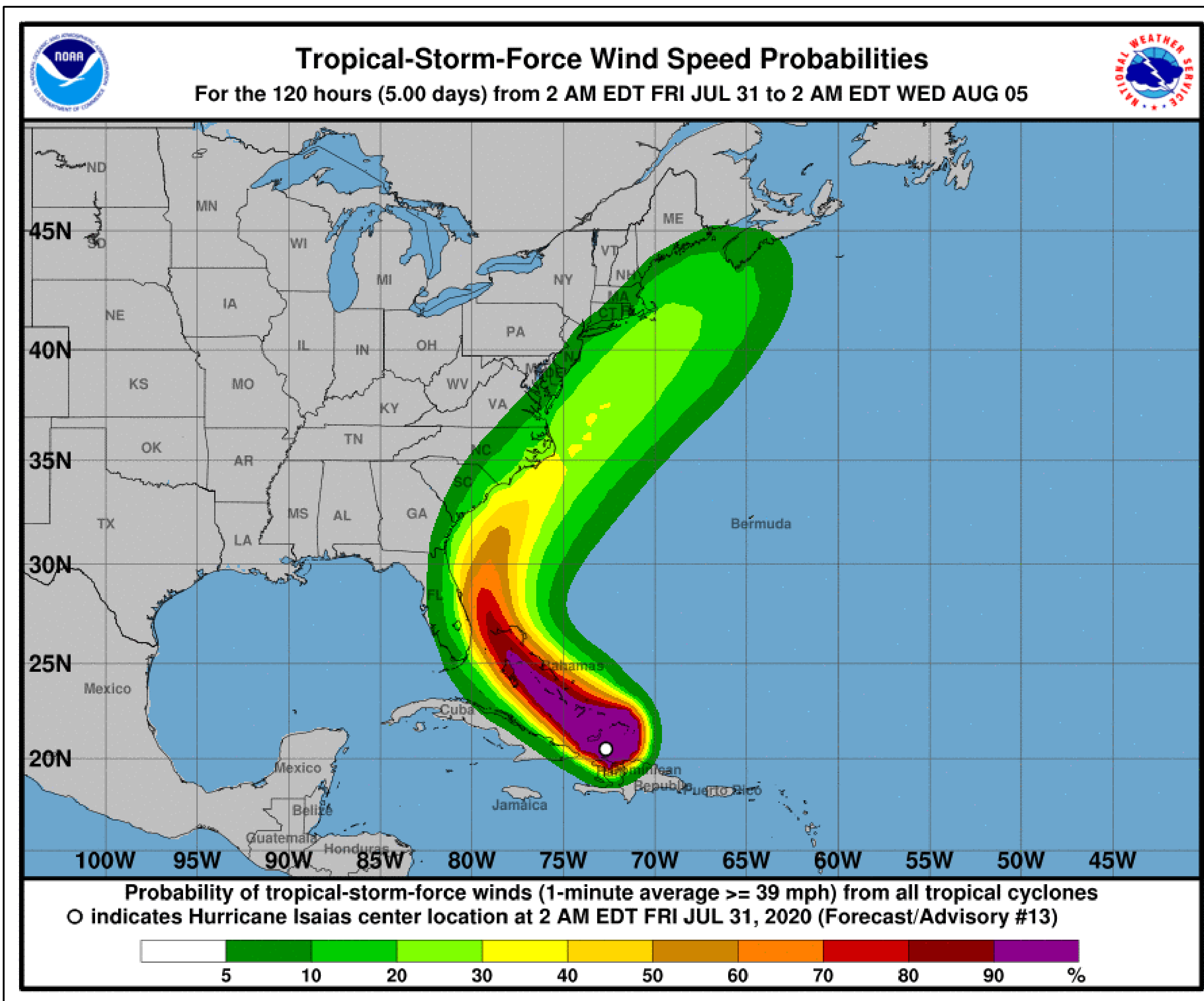
- Hurricane Warning
- Tropical Storm Warning
- Hurricane Watch
- Tropical Storm Watch
- Gale Warning
- Small Craft Advisory
- Heat Advisory

T.S. Wind Speed Probabilities

Hurricane Isaias



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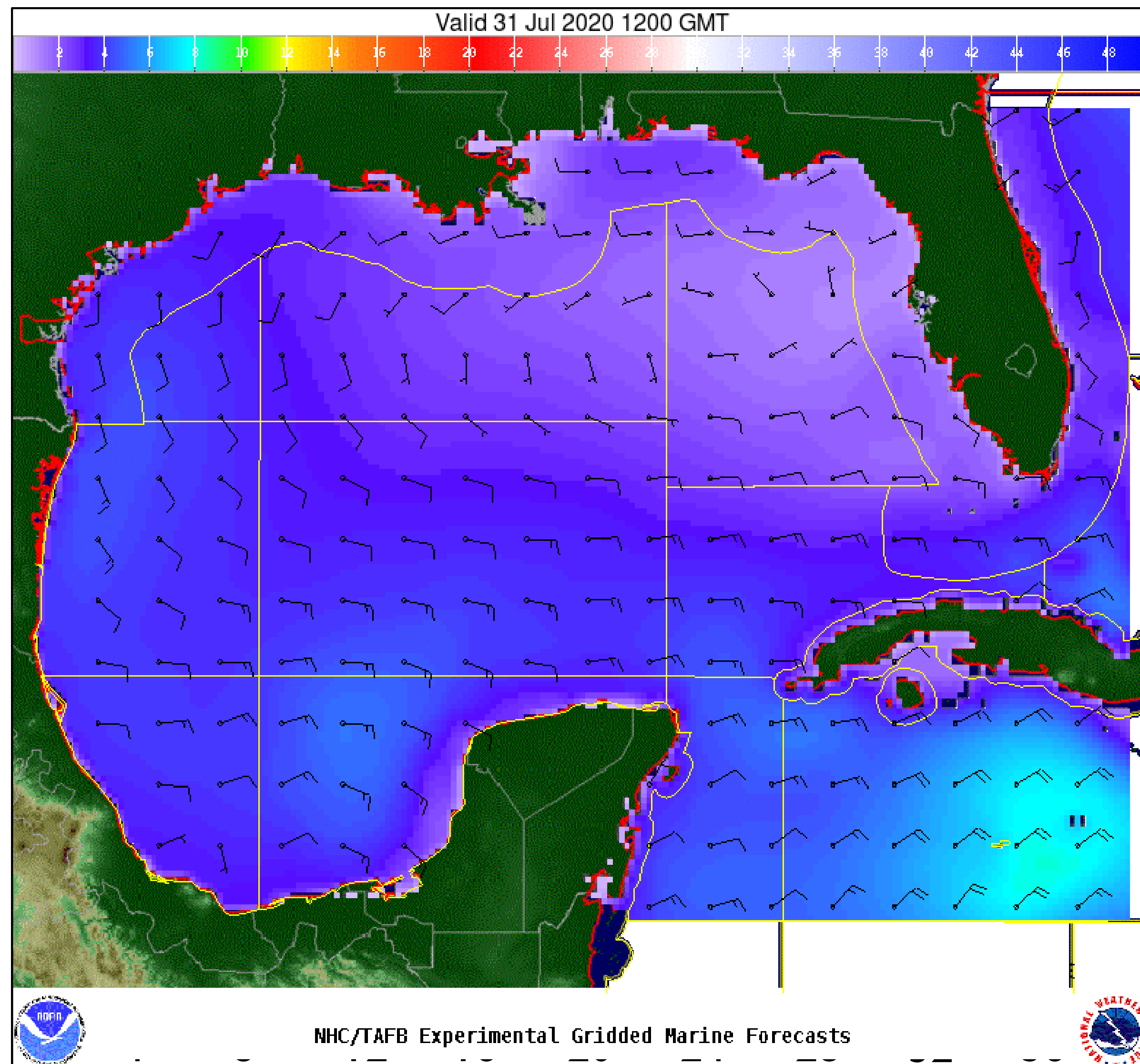
- Negligible chances in D8 coastal and SRR locations
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Wind And Waves

Hurricane Isaias



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Current Conditions (over Gulf) 7am CDT, Friday, July 31st, 2020

Peak Winds: 15 kt

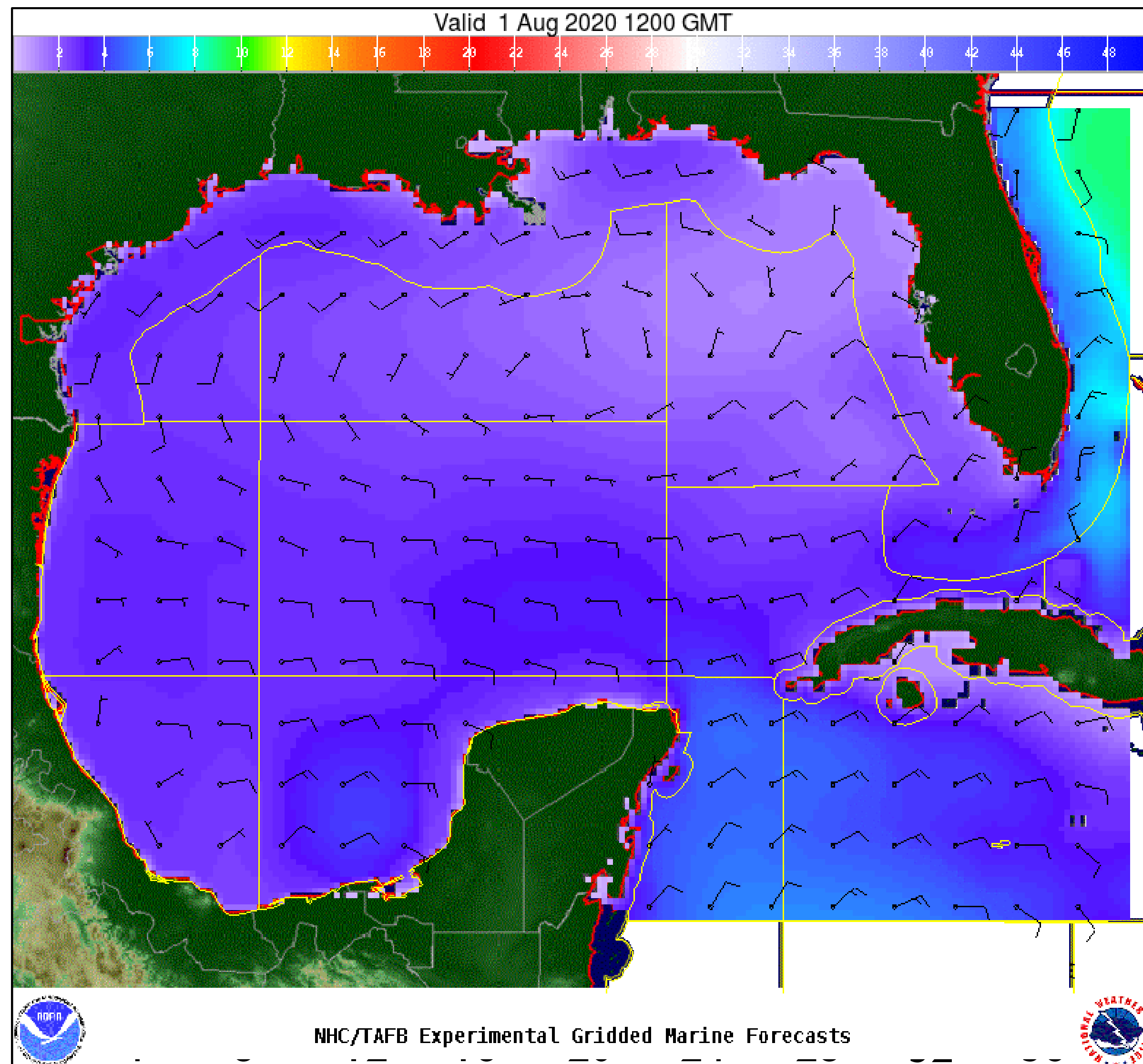
Peak Seas: 6 ft

Wind And Waves

Hurricane Isaias



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24 Hour Forecast (over Gulf)

7am CDT, Saturday, August 1st, 2020

Peak Winds: 15 kt

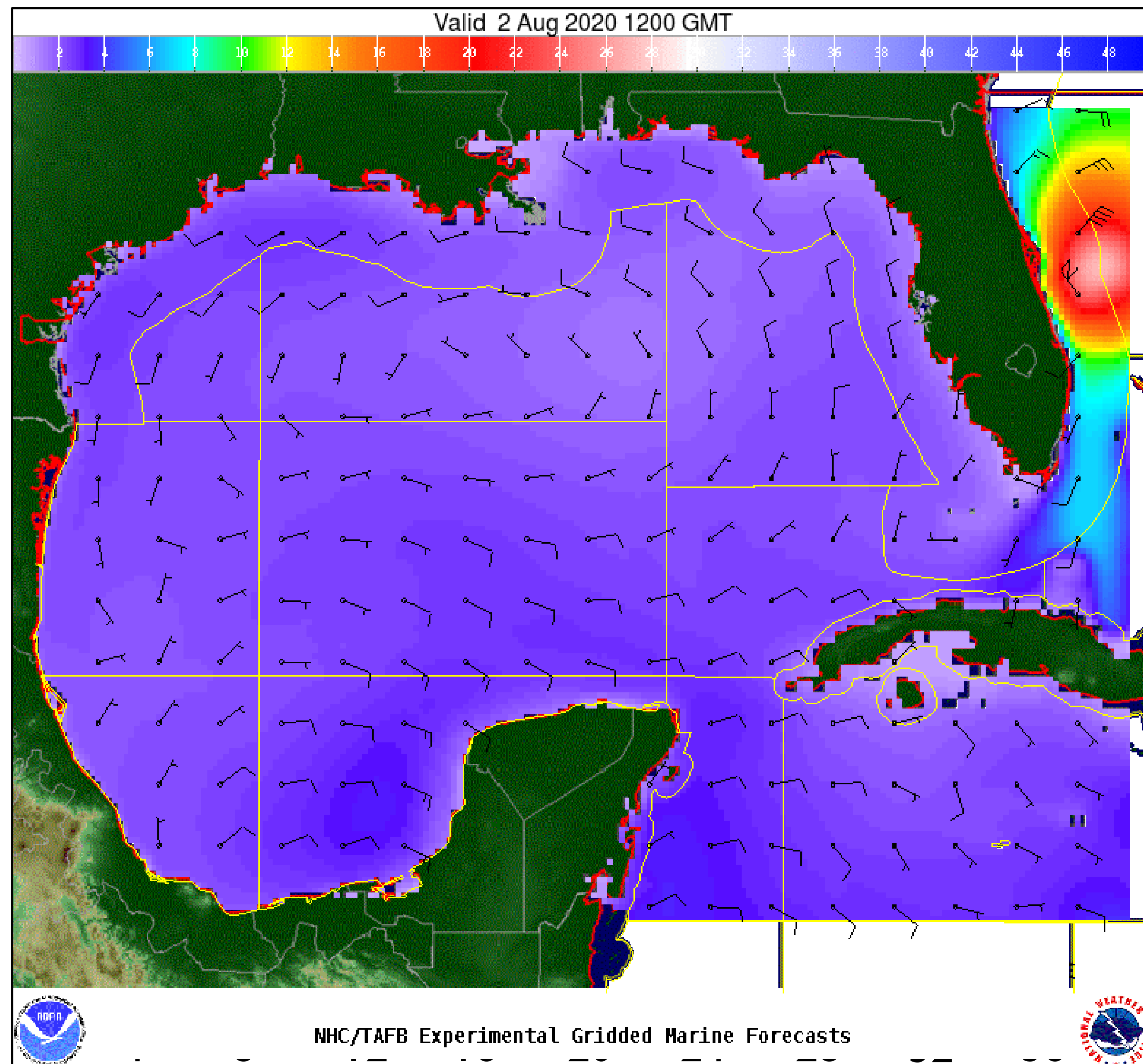
Peak Seas: 6 ft

Wind And Waves

Hurricane Isaias



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48 Hour Forecast (in Gulf) 7am CDT, Sunday, August 2nd, 2020

Peak Winds: 15 kt

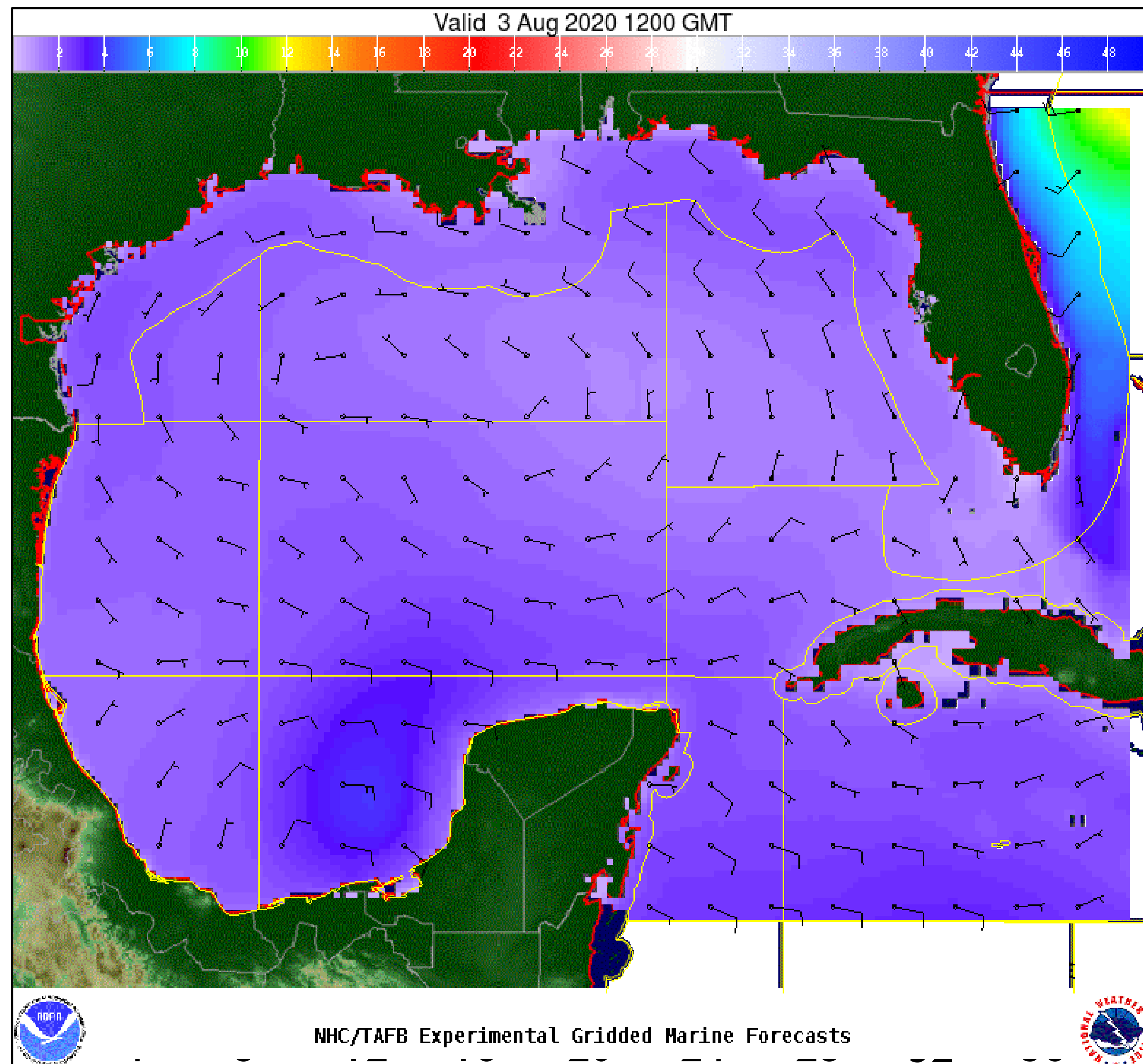
Peak Seas: 6 ft

Wind And Waves

Hurricane Isaias



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72 Hour Forecast

7am CDT, Monday, August 3rd, 2020

Peak Winds: 15 kt

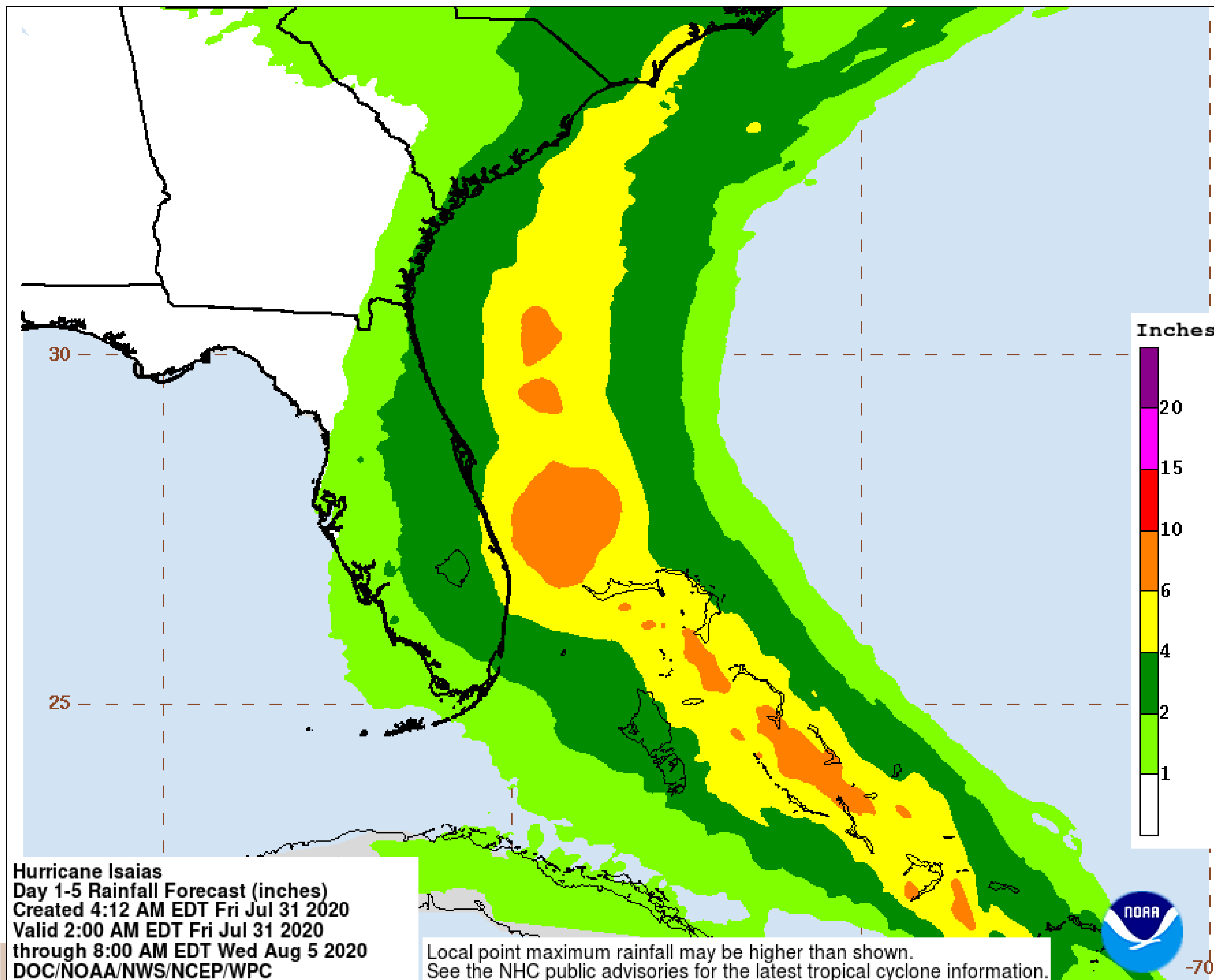
Peak Seas: 6 ft

Expected Storm Total Rainfall

Hurricane Isaias



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NWS National Hurricane Center





- Total rainfall in inches through Wednesday morning.

Key Messages

Hurricane Isaias



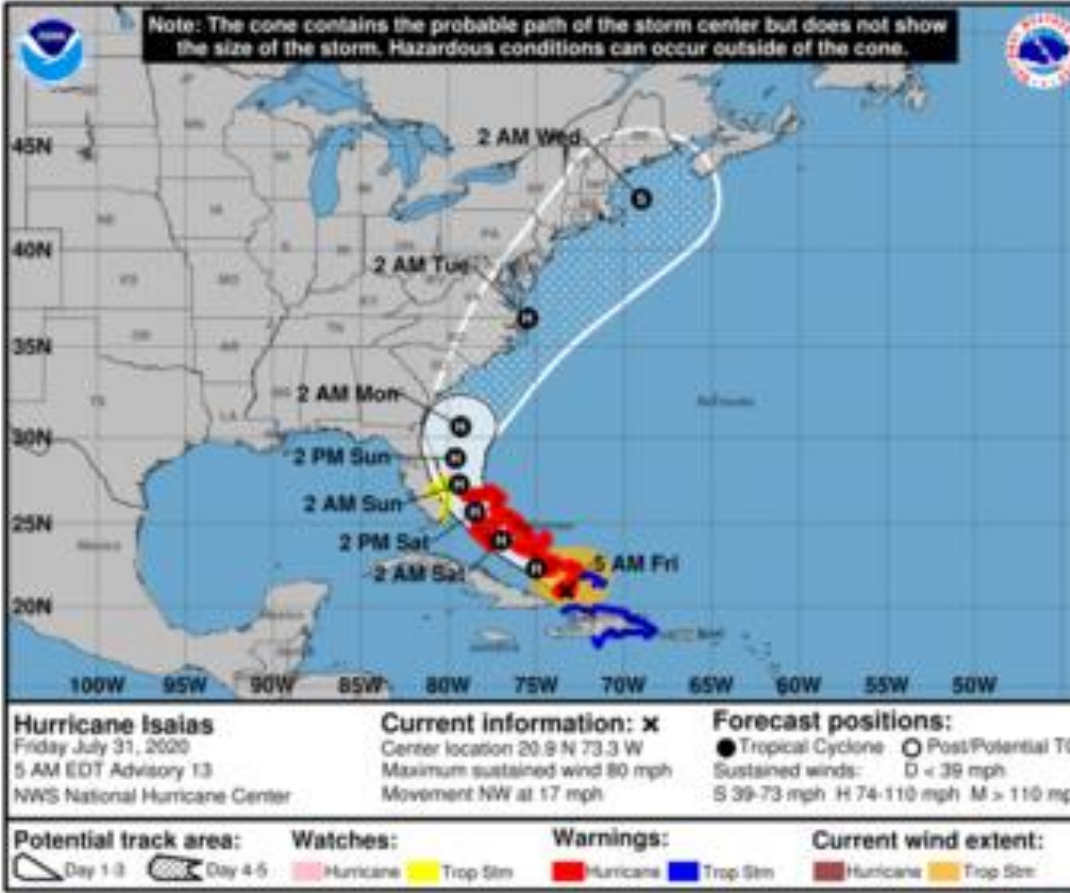
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Key Messages for Hurricane Isaias

Advisory 13: 5:00 AM EDT Fri Jul 31, 2020

- Isaias will produce heavy rains and potentially life-threatening flash flooding and mudslides across the Dominican Republic, northern Haiti, Turks and Caicos, and the Bahamas. Heavy rains associated with Isaias may begin to affect South and east-Central Florida beginning late Friday night, and the eastern Carolinas by early next week, potentially resulting in isolated flash and urban flooding, especially in low-lying and poorly drained areas. Isolated minor river flooding is possible in the Carolinas early next week.
- Hurricane conditions and dangerous storm surge are expected in portions of the Bahamas today and Saturday, and Hurricane Warnings are in effect for these areas. Preparations to protect life and property should be rushed to completion.
- Tropical storm conditions are possible along portions of the Florida east coast beginning Saturday, and a Tropical Storm Watch remains in effect. While storm surge watches are not currently needed for this area, they may be required later today if the forecast track shifts closer to the coast. Heavy rains associated with Isaias may begin to affect South Florida and east-Central Florida beginning late tonight, potentially resulting in isolated flash and urban flooding, especially in low-lying and poorly drained areas.
- There is a risk of impacts from winds, heavy rainfall, and storm surge late this weekend from the northeastern Florida coast and spreading northward along the remainder of the U.S. east coast through early next week. The details of the track and intensity forecast remain uncertain, and it is too soon to determine the magnitude and location of these potential impacts, but interests along the entire U.S. east coast 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
Friday July 31, 2020
5 AM EDT Advisory 13
NWS National Hurricane Center

Current information: x
Center location 20.9 N 73.3 W
Maximum sustained wind 80 mph
Movement NW at 17 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 Strm
Warnings: Hurricane Trop Strm
Current wind extent: Hurricane Trop Strm

Most Likely Arrival Time of Tropical-Storm-Force Winds

Hurricane Isaias
Fri. Jul. 31, 2020 5 am EDT
Advisory 13

Storm Location: ○ = 34 kt (39 mph) & ○ = 54-63 kt (39-73 mph) ● = 64 kt (74 mph)
Wind Speed

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

All Times EDT

For more information go to hurricanes.gov

- **Marine Key Messages for the Gulf of Mexico:**
- No substantial impacts



HURRICANE ISAIAS BRIEFING

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

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



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