IMPACTS FOR D7 (through the next 5 days)

Winds - Moderate (Bahamas High)

Storm Surge - Low (Bahamas High)

Rainfall/Flash Flooding - Low (Bahamas Moderate)

Tornadoes - None (Bahamas Low)

Waves - High

## HURRICANE ISAIAS BRIEFING



8:15 AM EDT

Friday, July 31, 2020

Prepared by:

Chris Landsea

Tropical Analysis and Forecast Branch NWS National Hurricane Center



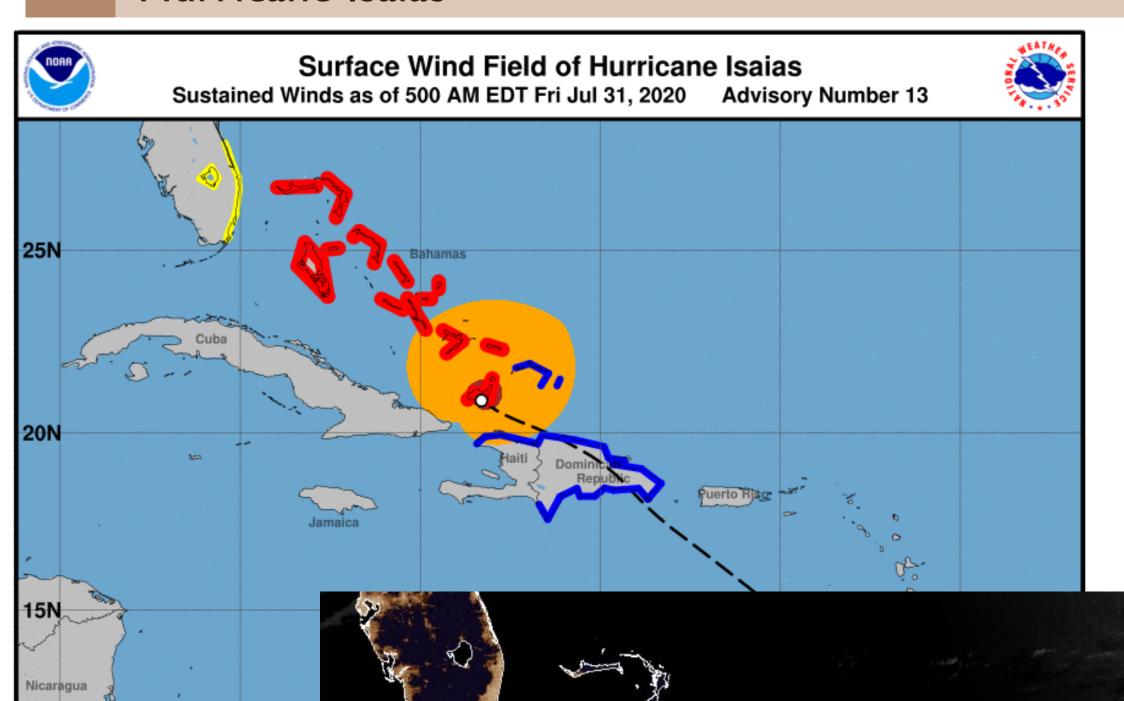
### Situation Overview

#### Hurricane Isaias

Watches:

Hurricane Watch





## ...HURRICANE CONDITIONS EXPECTED TODAY OVER PORTIONS OF THE BAHAMAS...

SUMMARY OF 500 AM EDT INFORMATION

\_\_\_\_\_

LOCATION...20.9N 73.3W
ABOUT 15 MI SSW OF GREAT INAGUA IS.
ABOUT 385 MI SE OF NASSAU
MAXIMUM SUSTAINED WINDS...70 KT
PRESENT MOVEMENT...NW 15 KT

SIZE (in nautical miles)

64 KT..... 40NE 20SE 10SW 30NW.

50 KT..... 90NE 40SE 30SW 80NW.

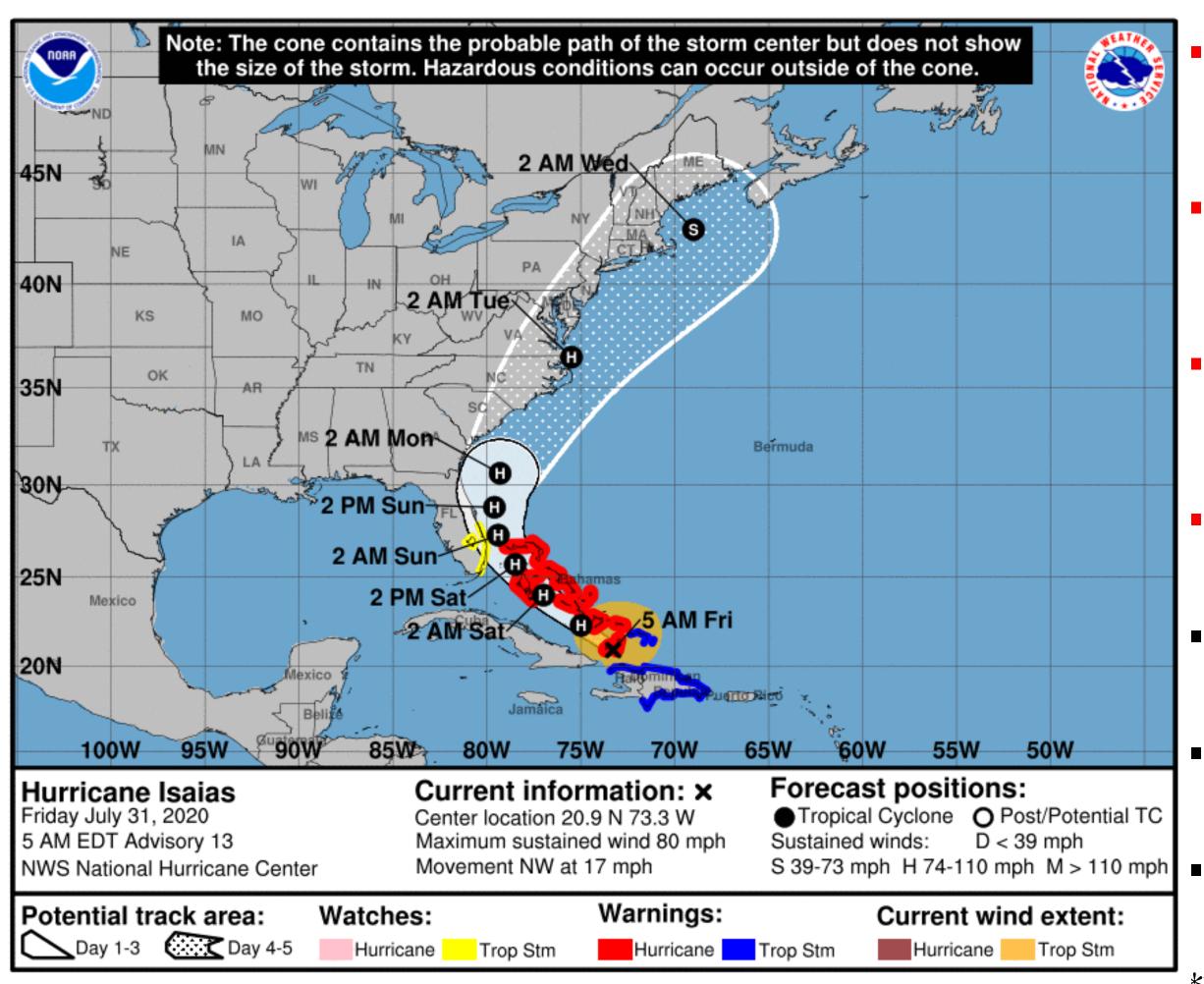
34 KT..... 180NE 90SE 50SW 150NW.

12 FT SEAS..330NE 210SE 90SW 360NW.

### Forecast Information

#### Hurricane Isaias



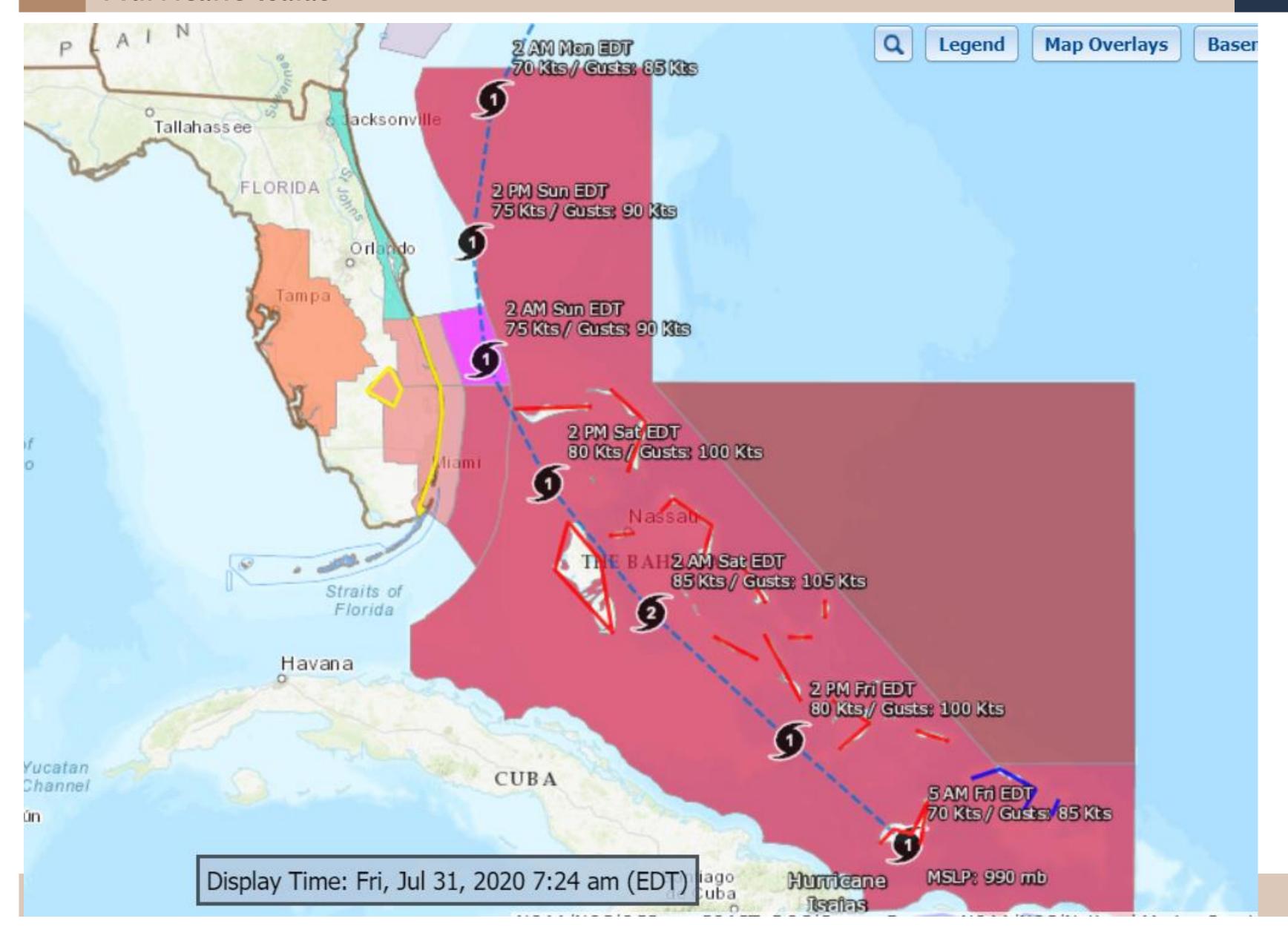


**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

- 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 swatch 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.

#### Hurricane Isaias



https://nowcoast.noaa.gov/

Hurricane Warning

Tropical Storm Warning

Hurricane Watch

Tropical Storm Watch

Gale Warning

Small Craft Advisory

Heat Advisory

## Tropical Storm Wind Probabilities

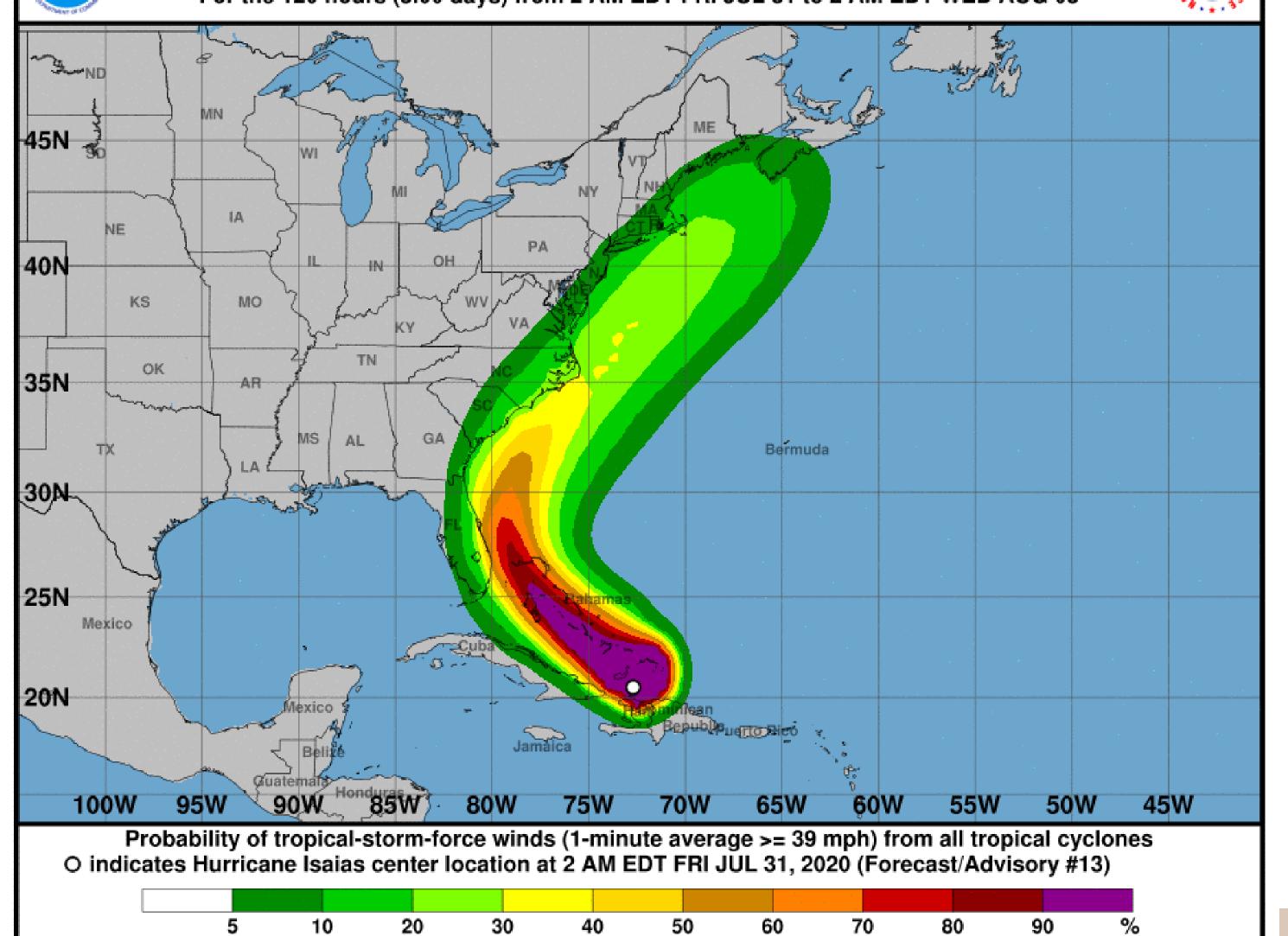
#### Hurricane Isaias



Tropical Analysis and Forecast Branch NWS National Hurricane Center



For the 120 hours (5.00 days) from 2 AM EDT FRI JUL 31 to 2 AM EDT WED AUG 05



- Miami 20%, Ft. Lauderdale 45%
- Palm Beach 55%, Cape Canaveral –50%
- Jacksonville 20%, Savannah 10%
- Charleston 25%
- 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.

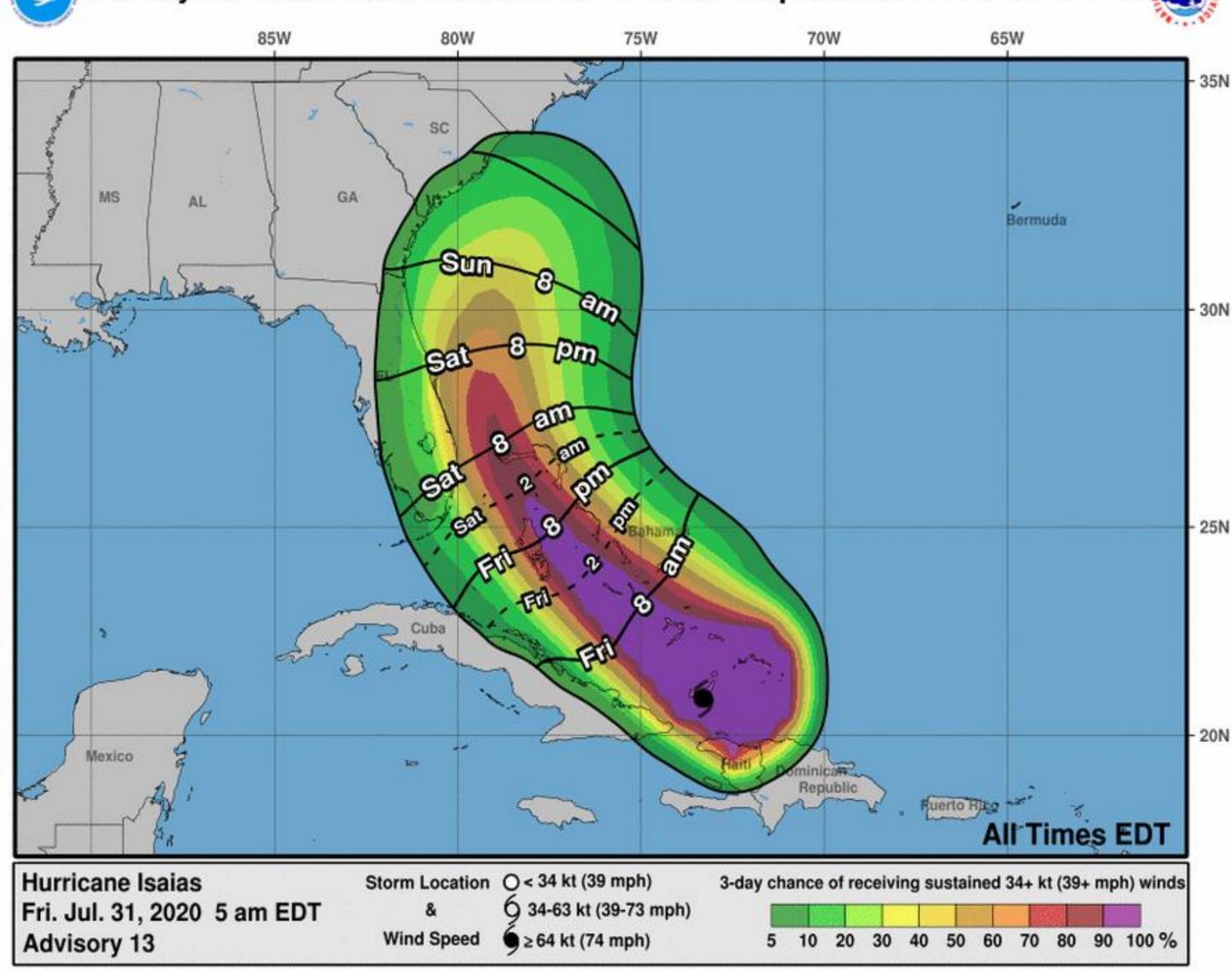
## Earliest Reasonable Time of Arrival

### Tropical Analysis and Forecast Branch NWS National Hurricane Center

#### Hurricane Isaias



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

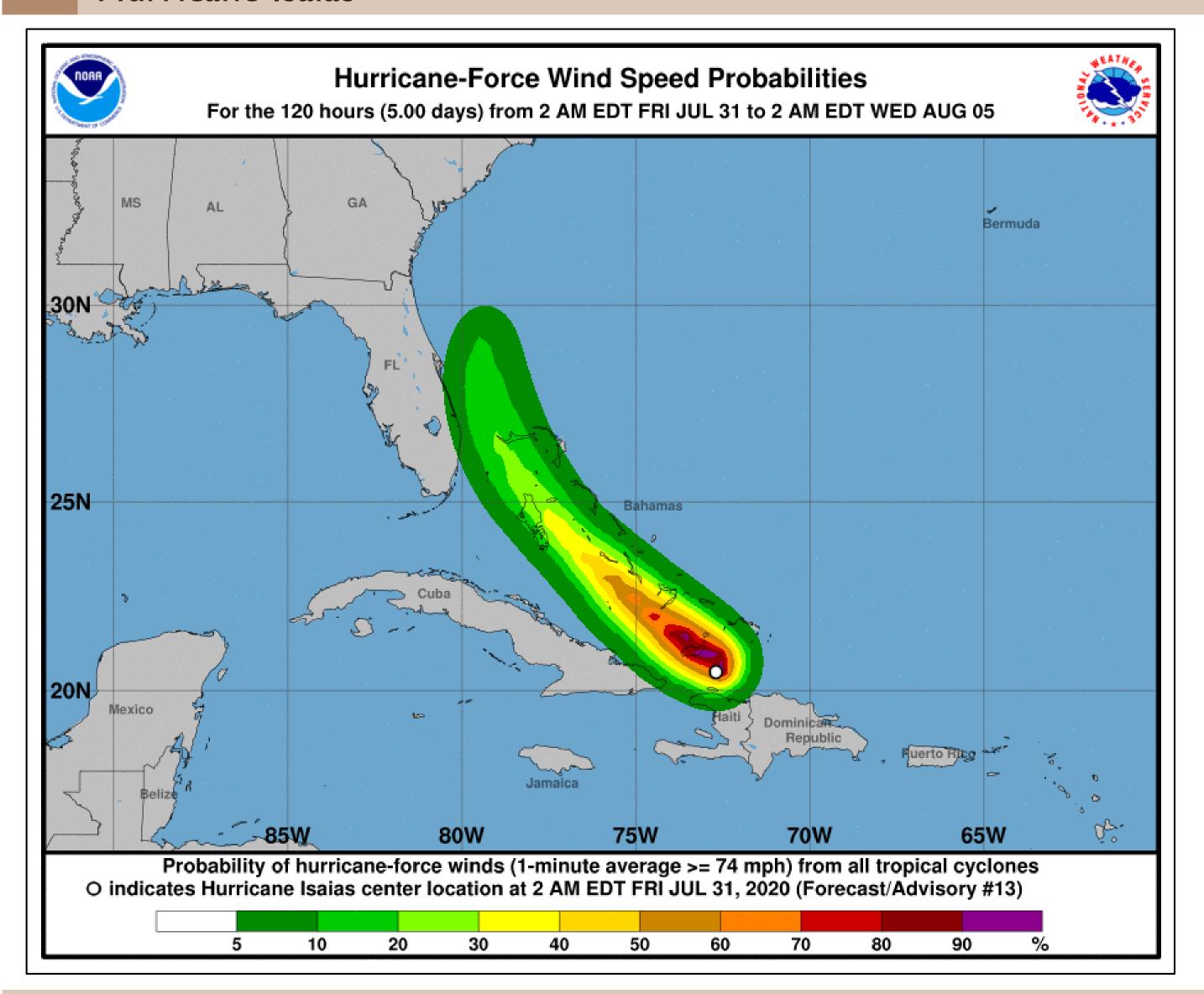


- Miami/Ft. Lauderdale Saturday morning
- Cape Canaveral Saturday evening
- Georgia Sunday morning
- South Caroline Sunday night
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are 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

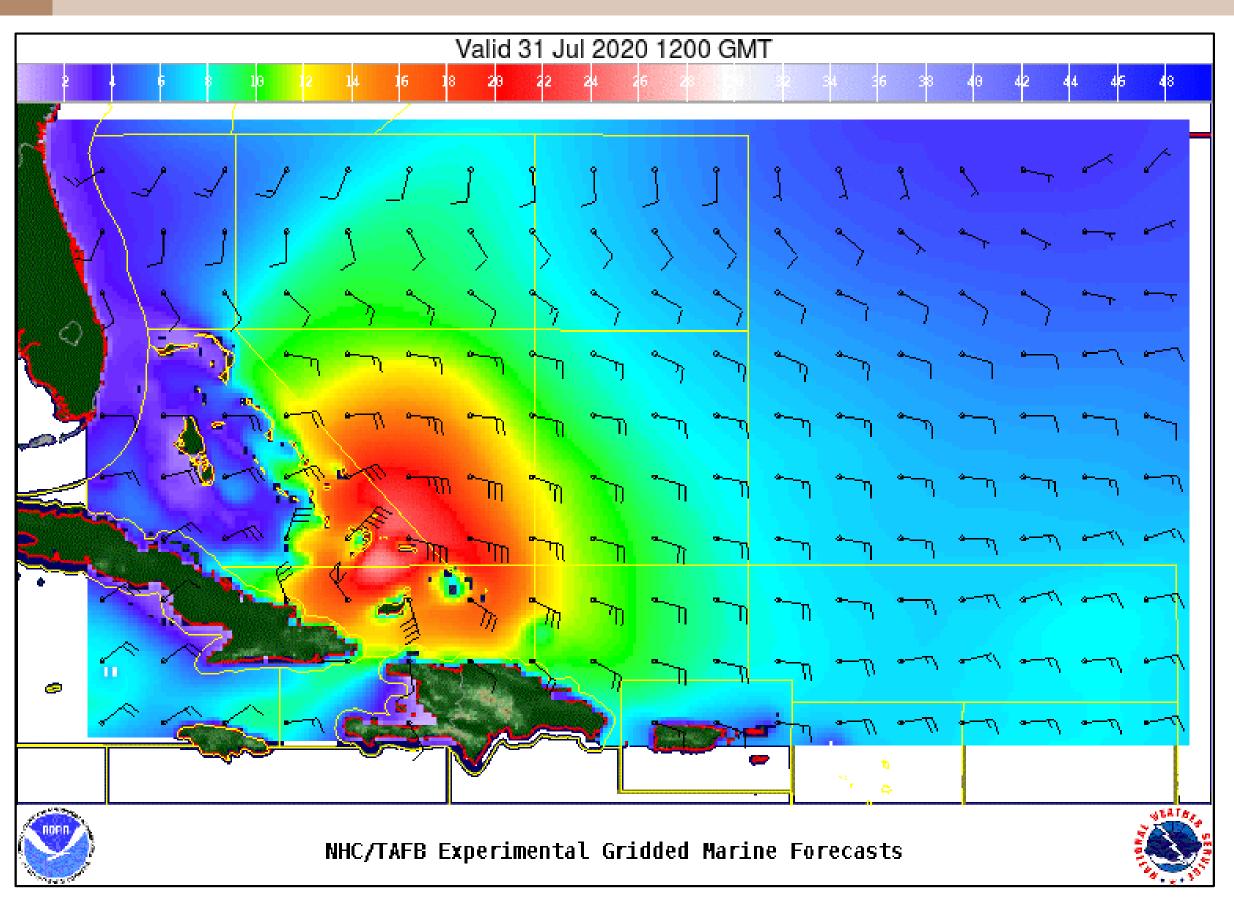




- 5% Palm Beach
- 5% Fort Pierce
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

#### Hurricane Isaias



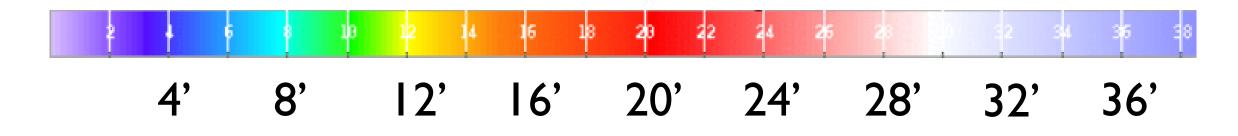


8am EDT, Friday, July 3 Ist, 2020 Peak Winds: 70 kt

Peak Seas: 25 ft

**Current Conditions** 

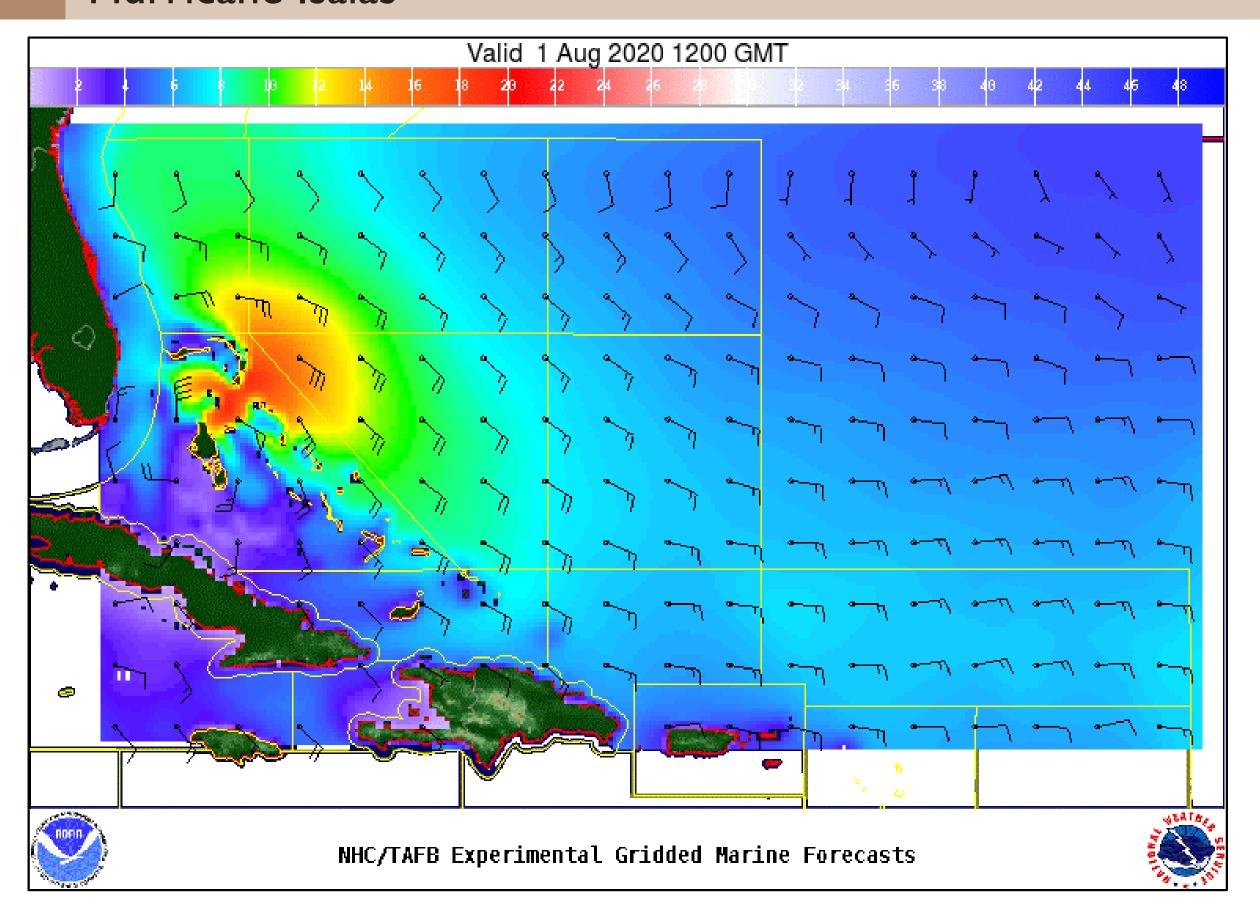
Wave heights are in feet



## Hurricane Isaias



Tropical Analysis and Forecast Branch NWS National Hurricane Center

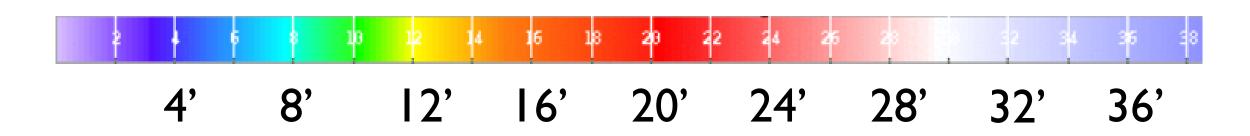


24 Hour Forecast 8am EDT, Saturday, August 1st

Peak Winds: 85 kt

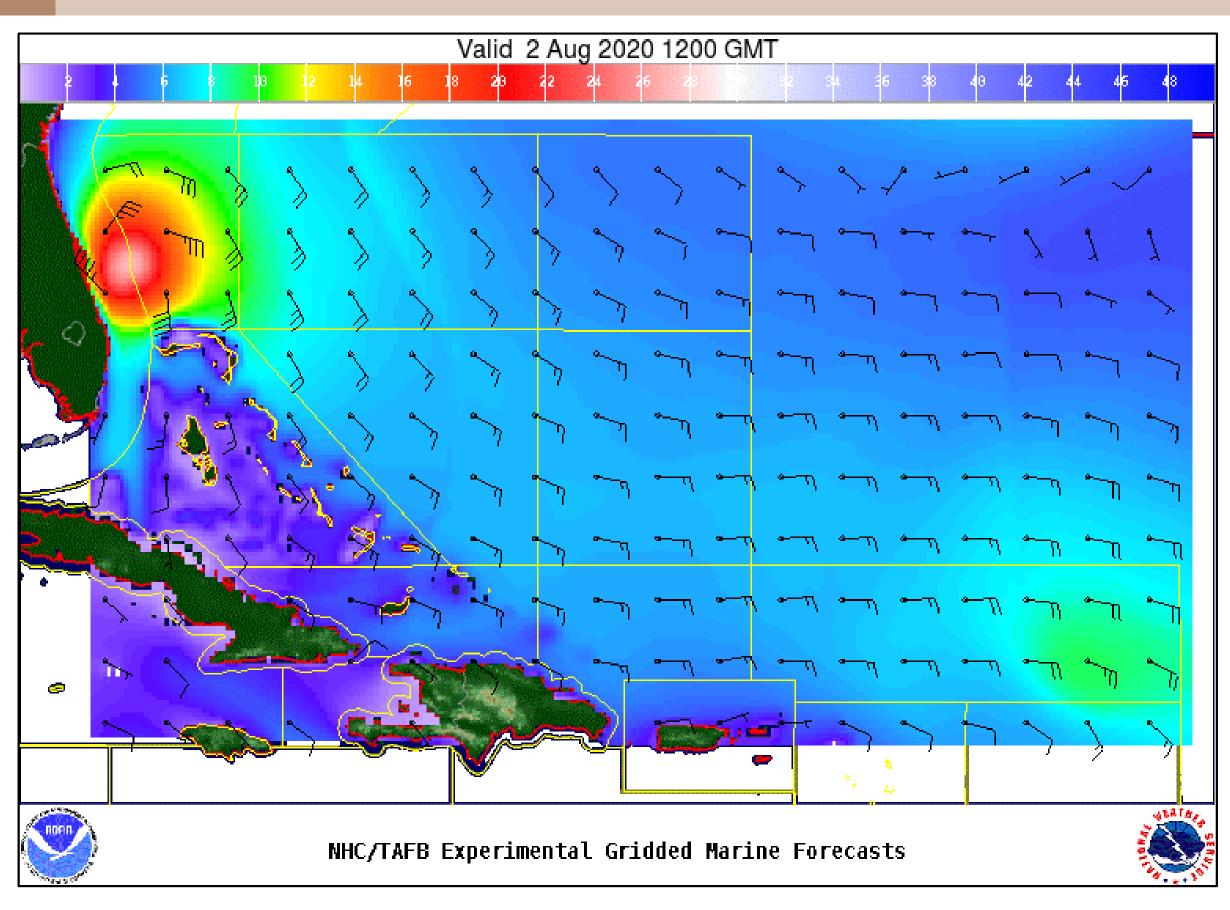
Peak Seas: 20 ft (do to shoaling)

Wave heights are in feet



#### Hurricane Isaias



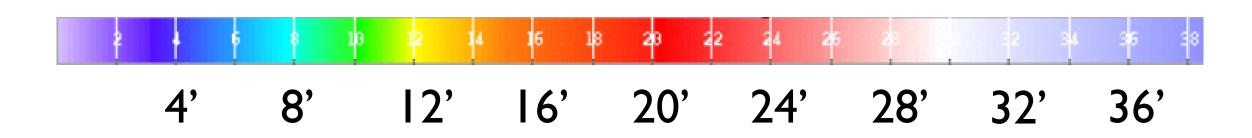


48 Hour Forecast 8am EDT, Sunday, August 2<sup>nd</sup>, 2020

Peak Winds: 75 kt

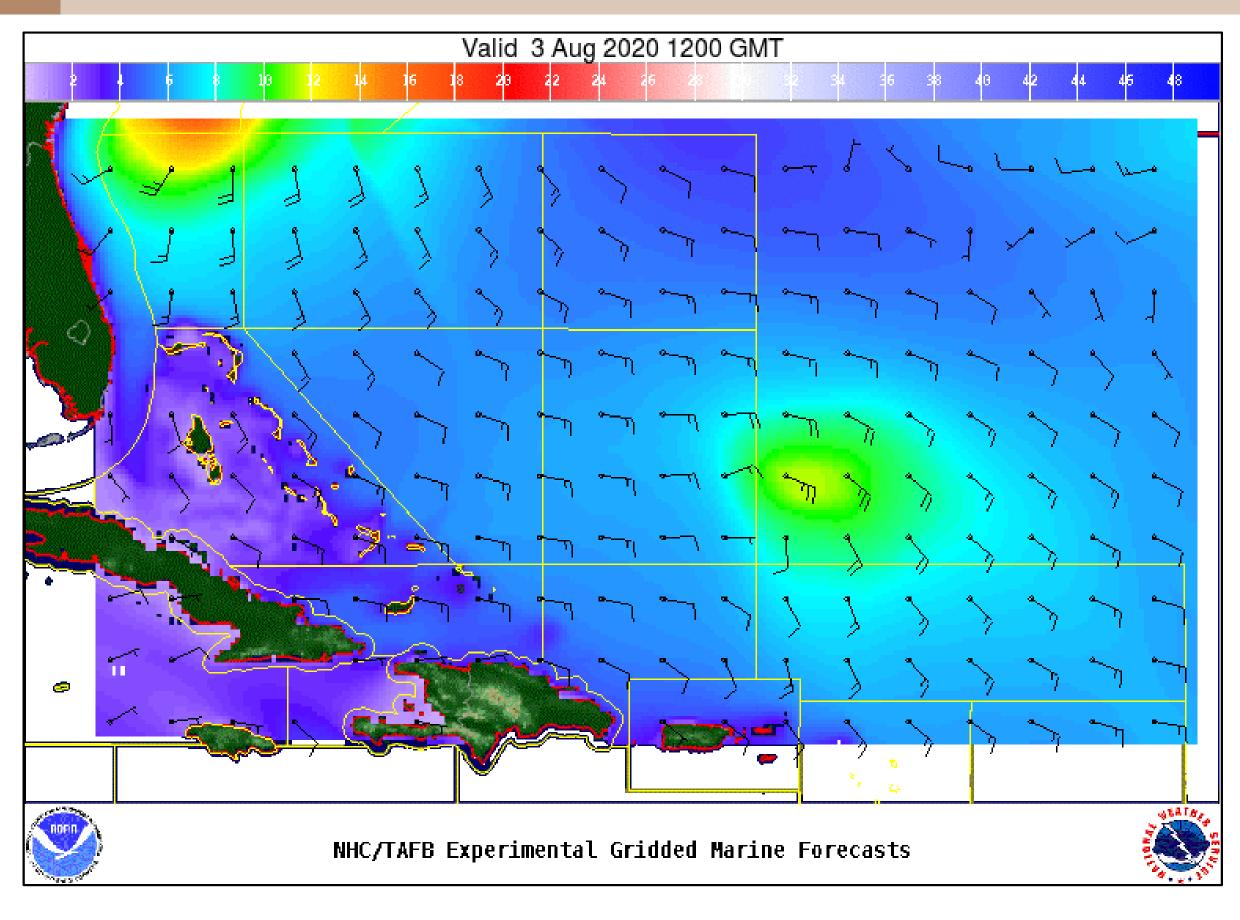
Peak Seas: 25 ft

Wave heights are in feet

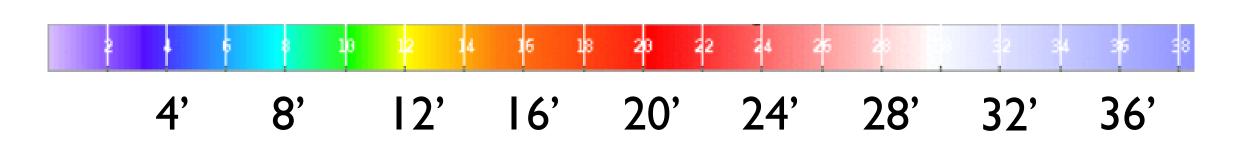


#### Hurricane Isaias





Wave heights are in feet



72 Hour Forecast 8am EDT, August 3<sup>rd</sup>, 2020

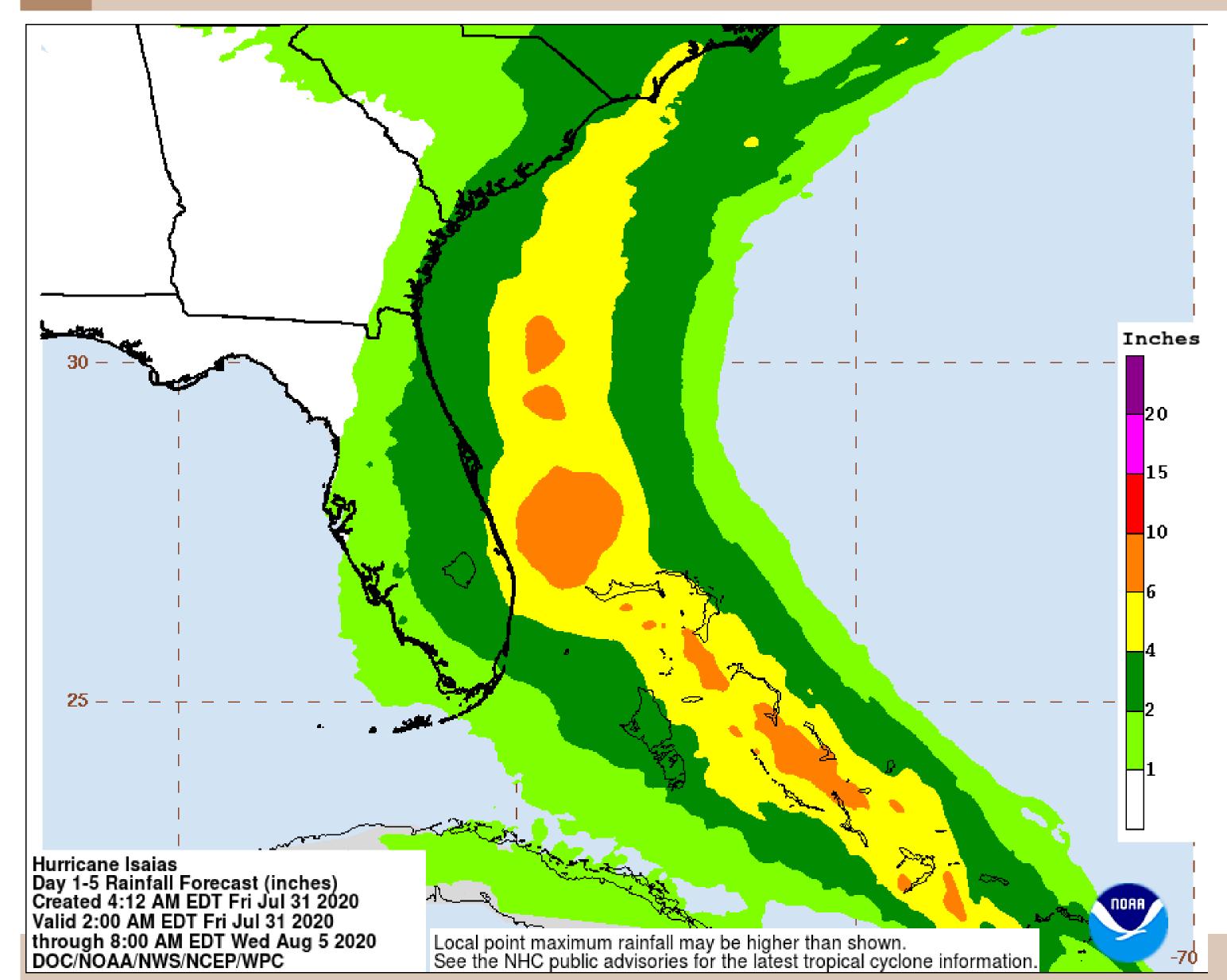
Peak Winds: 70 kt

Peak Seas: 25 ft

## Expected Storm Total Rainfall

## Tropical Analysis and Forecast Branch NWS National Hurricane Center

#### Hurricane Isaias



 Total rainfall in inches through Wednesday morning.

#### Hurricane Isaias

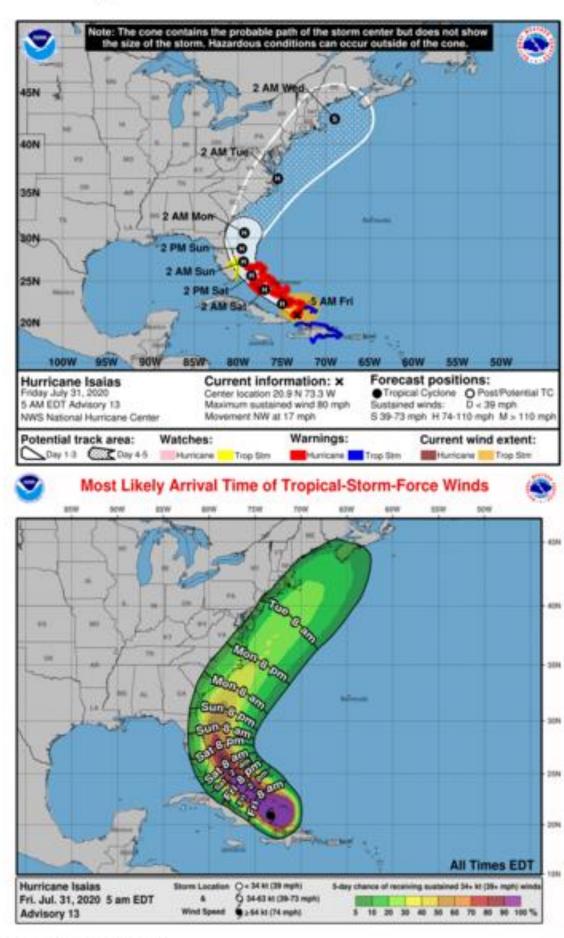


## Tropical Analysis and Forecast Branch NWS National Hurricane Center



#### Key Messages for Hurricane Isaias Advisory 13: 5:00 AM EDT Fri Jul 31, 2020

- 1. 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.
- 3. 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.
- 4. 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.



Marine Key Messages:

- Seas currently peaking near 25 ft north of the southeastern Bahamas
- Seas expected to remain near 25 ft as Isaias makes its closest approach to Florida

For more information go to hurricanes.gov



# HURRICANE ISAIAS BRIEFING

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

The Next Briefing Will Be: Saturday 8:15 AM EDT

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