IMPACTS FOR D7 (through next 3 days)

Winds - High (FL), Moderate (SC)

Storm Surge – Moderate (FL, SC)

Rainfall/Flash Flooding – Low (FL, SC)

**Tornadoes - None** 

Waves - High

## HURRICANEISAIAS BRIEFING



4:00 PM EDT

Saturday, August 1, 2020

Prepared by:

Chris Landsea

Tropical Analysis and Forecast Branch

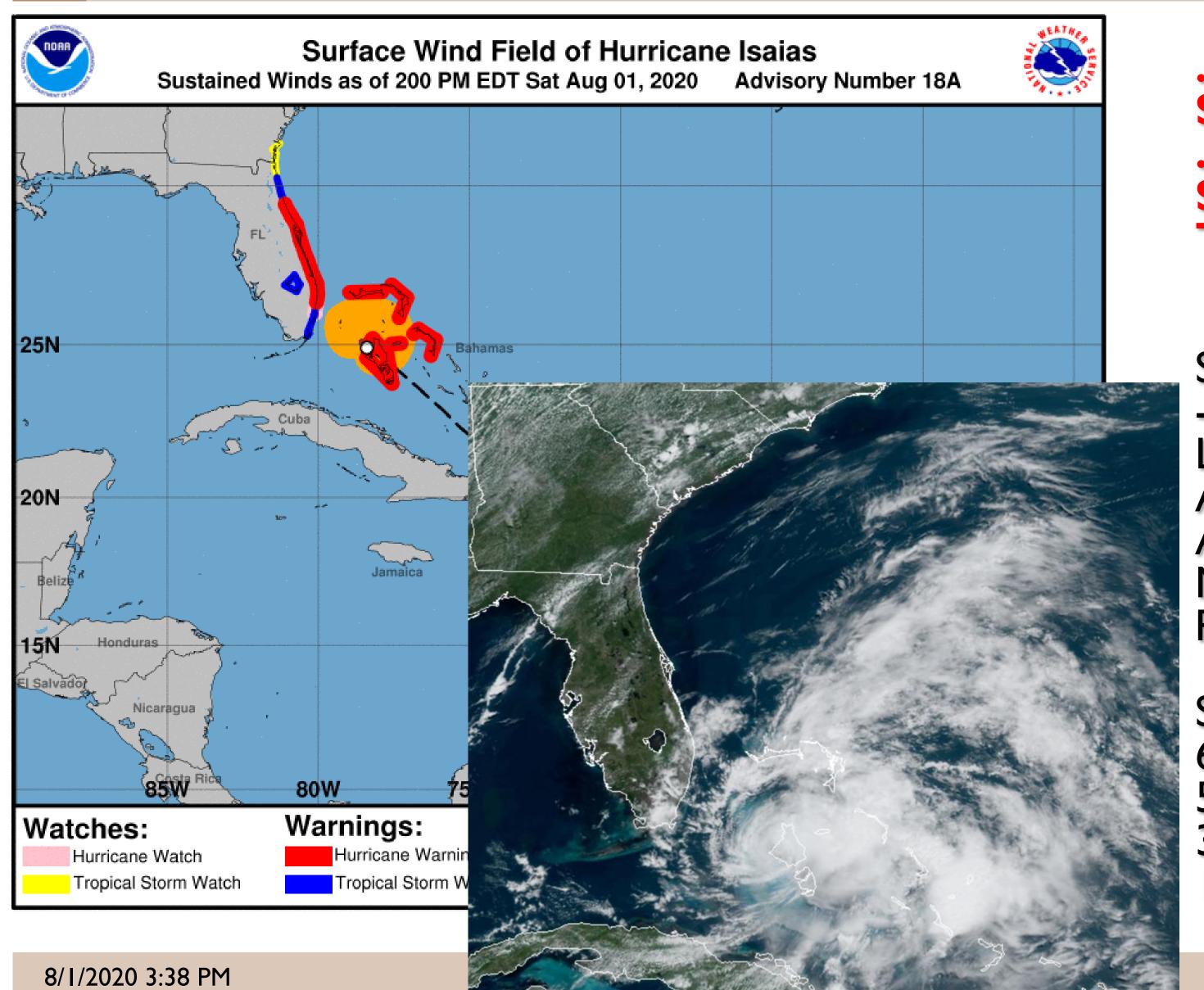




### Situation Overview

#### Hurricane Isaias





...ISAIAS EMERGING OVER THE STRAITS OF FLORIDA...
...EXPECTED TO APPROACH THE SOUTHEAST COAST OF FLORIDA TONIGHT...

SUMMARY OF 200 PM EDT INFORMATION

\_\_\_\_\_

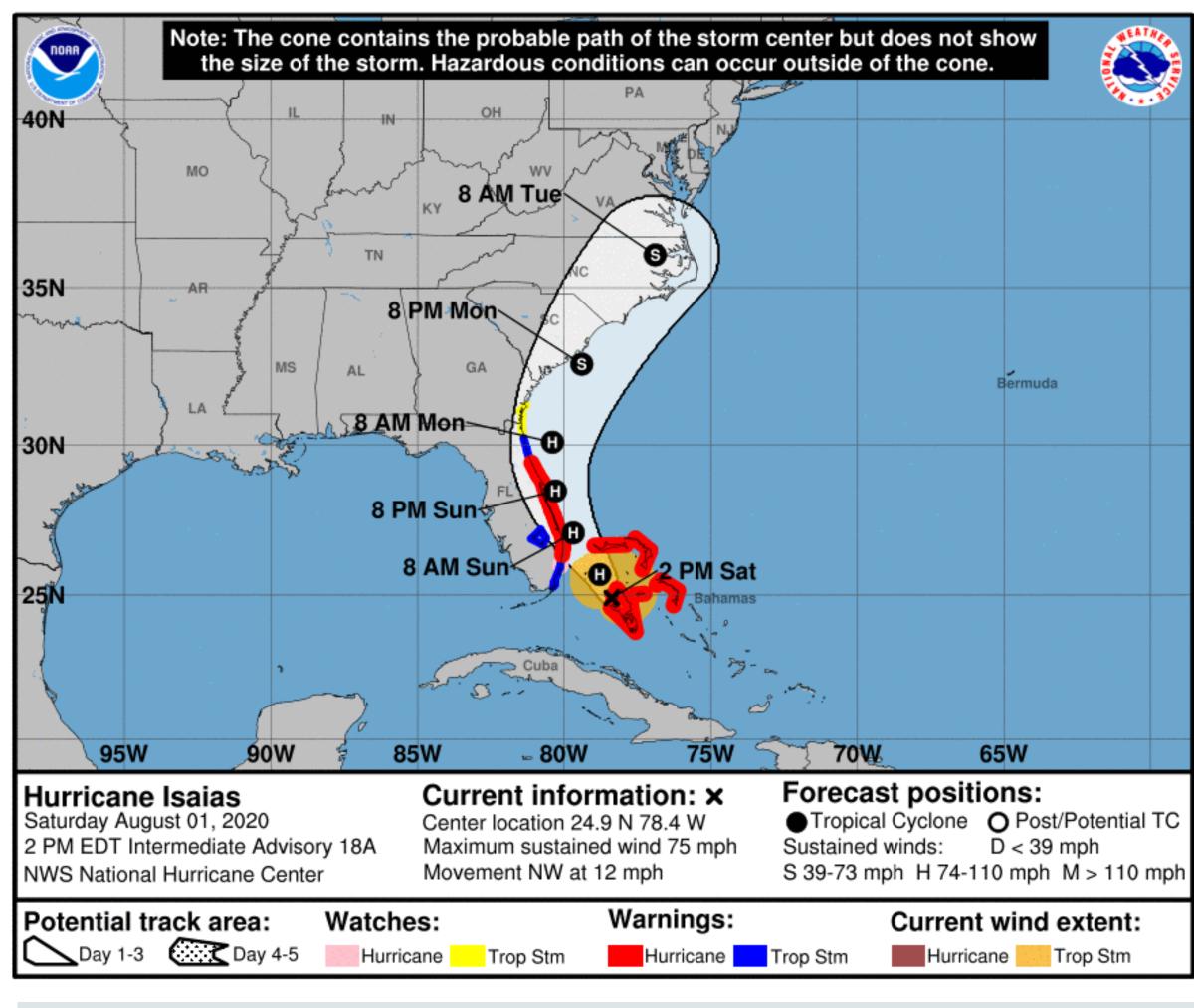
LOCATION...24.9N 78.4W
ABOUT 115 MIS OF FREEPORT BAHAMAS
ABOUT 140 MISE OF FORT LAUDERDALE FL
MAXIMUM SUSTAINED WINDS...65 KT
PRESENT MOVEMENT...NW 11 KT

SIZE (in nautical miles)
64 KT...... 20NE 15SE 0SW 20NW.
50 KT..... 50NE 30SE 0SW 30NW.
34 KT..... 100NE 70SE 30SW 100NW.
12 FT SEAS..210NE 150SE 45SW 180NW.

## Forecast Information

### Hurricane Isaias





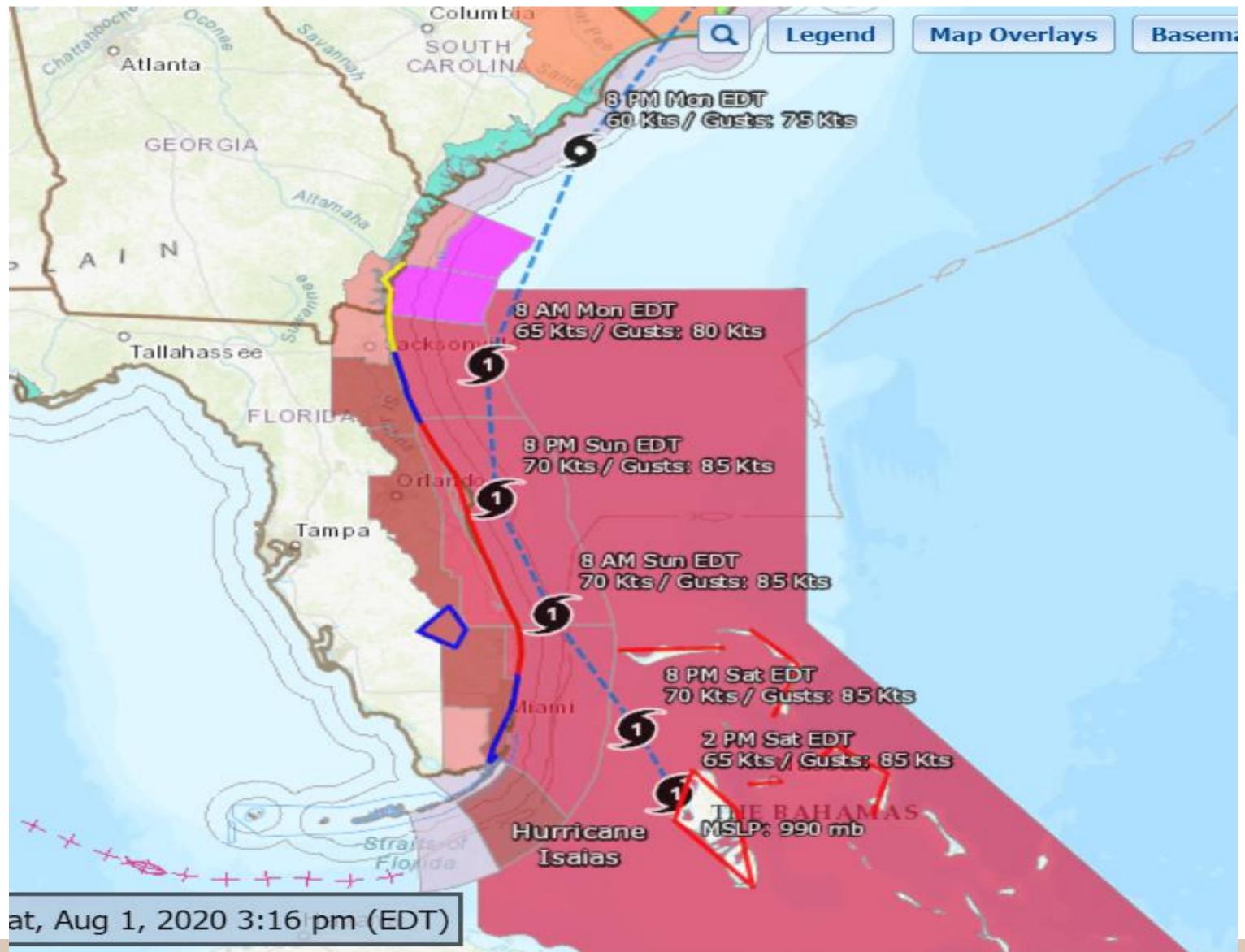
**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

- Isaias is expected to turn toward the north and slow its forward speed by late Sunday, then recurve toward the north-northeast Monday and Tuesday
- The hurricane will move close to or over the east central Florida coast on Sunday
- After recurvature, Isaias is likely to 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

### Hurricane Isaias





https://nowcoast.noaa.gov/

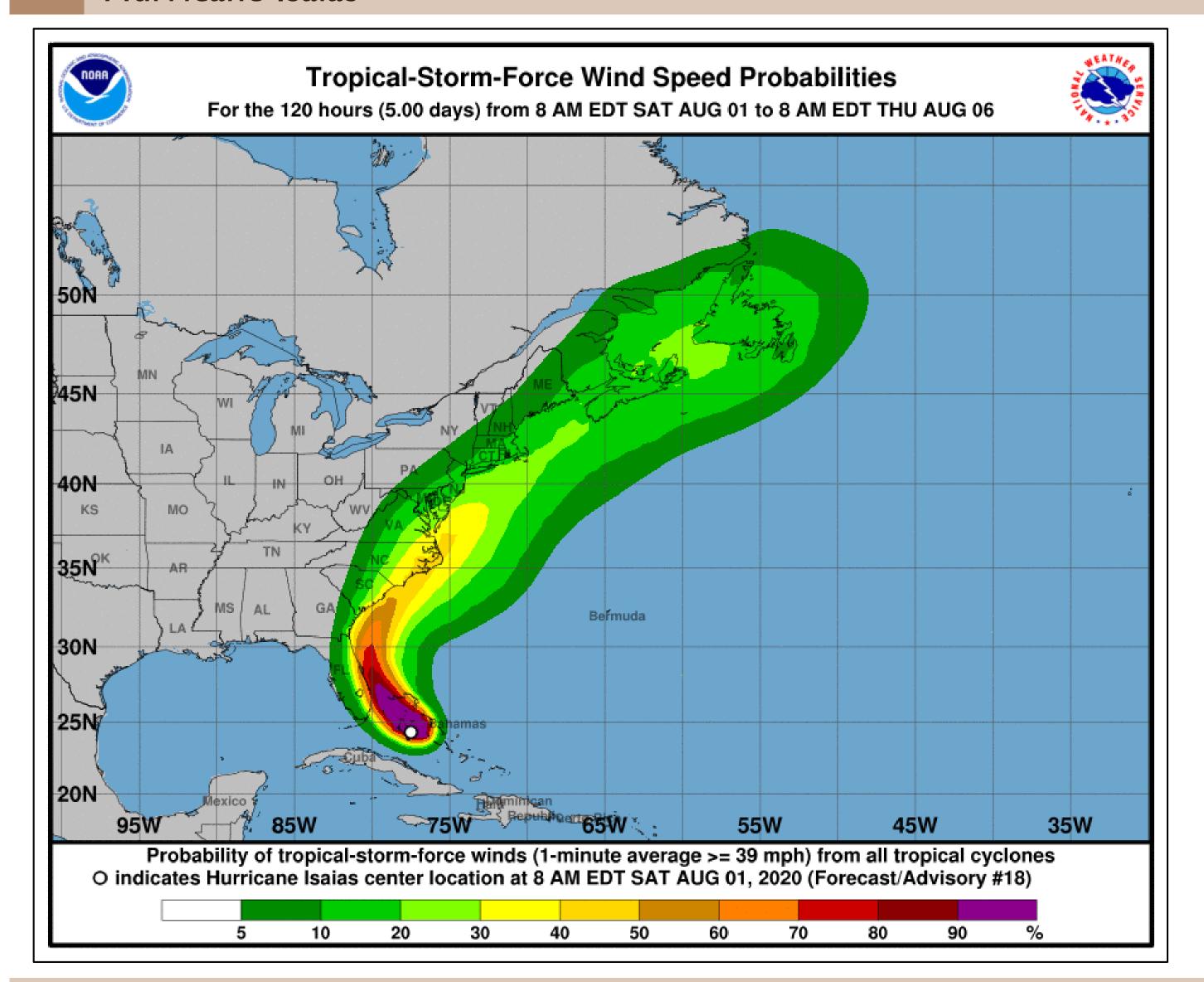


## T.S. Wind Speed Probabilities

### Hurricane Isaias



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- Miami 15%, Ft. Lauderdale 50%
- Palm Beach 75%, Cape Canaveral 70%
- Jacksonville 15%, Savannah 15%
- Charleston 40%
- 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.

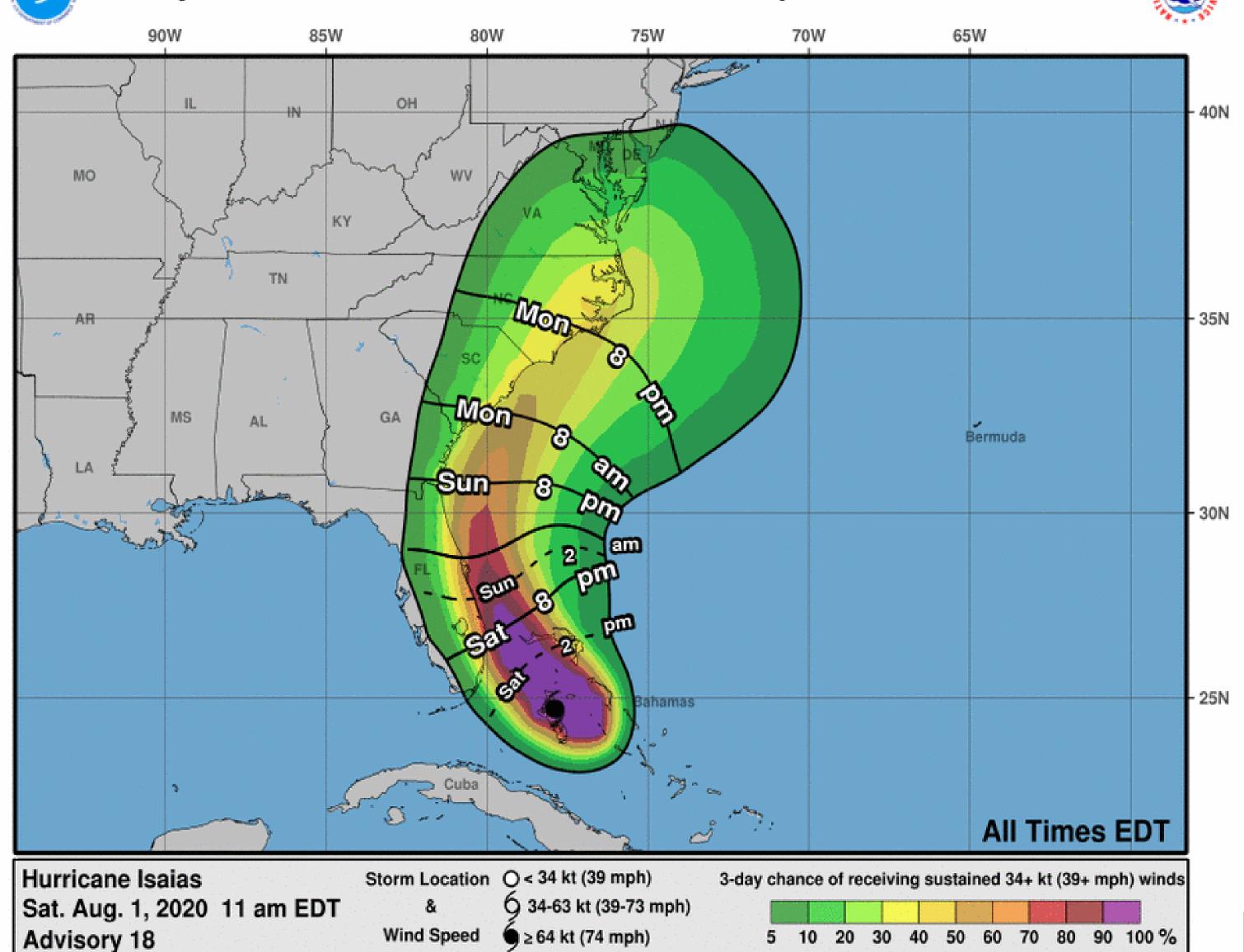
## Earliest Reasonable Time of Arrival

# Tropical 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 – This afternoon Cape Canaveral – 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%

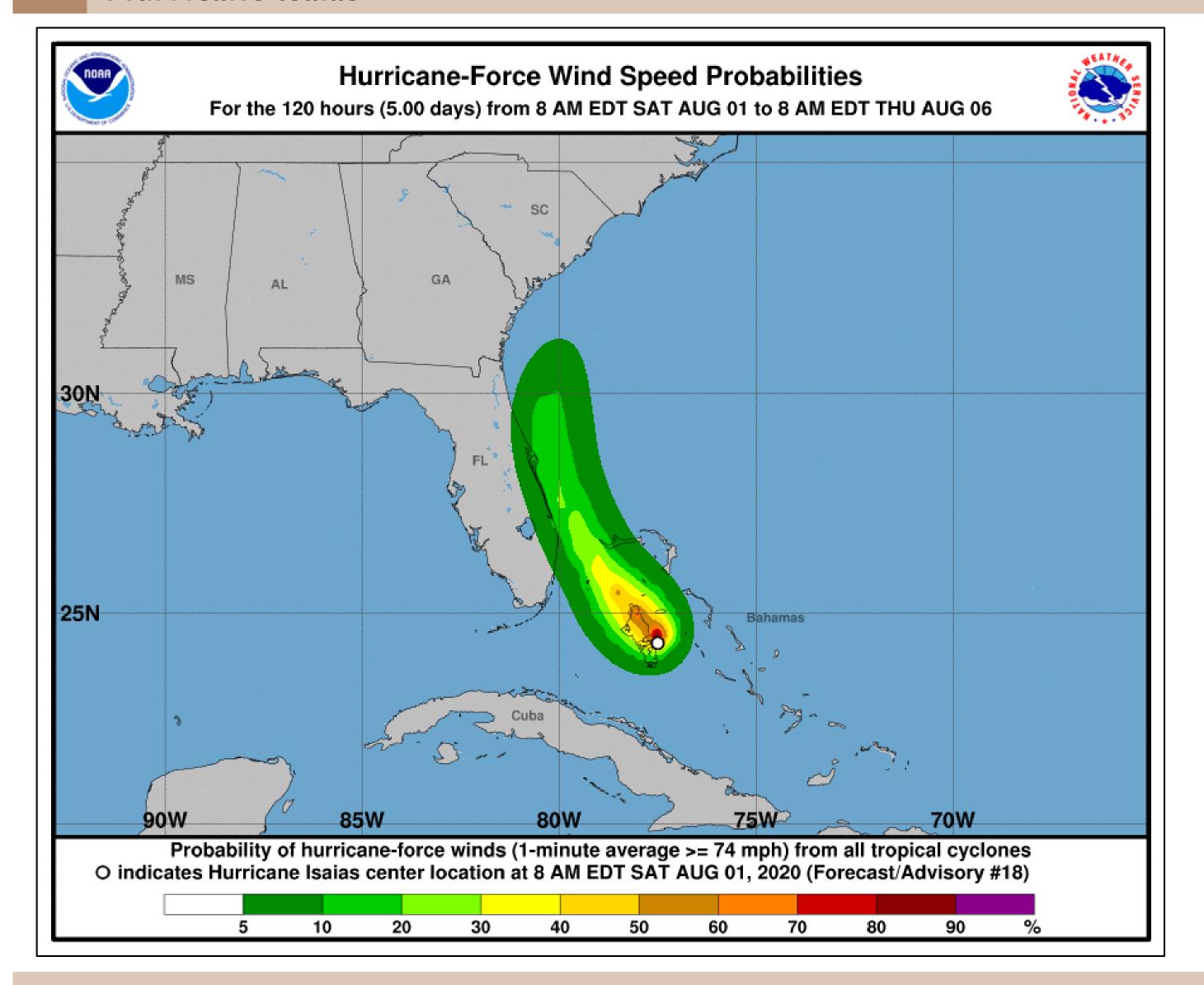
Red through purple are the highest probabilities of 71%-100%

See the color bar below the image for more details.

## Hurricane Wind Speed Probabilities

### Hurricane Isaias



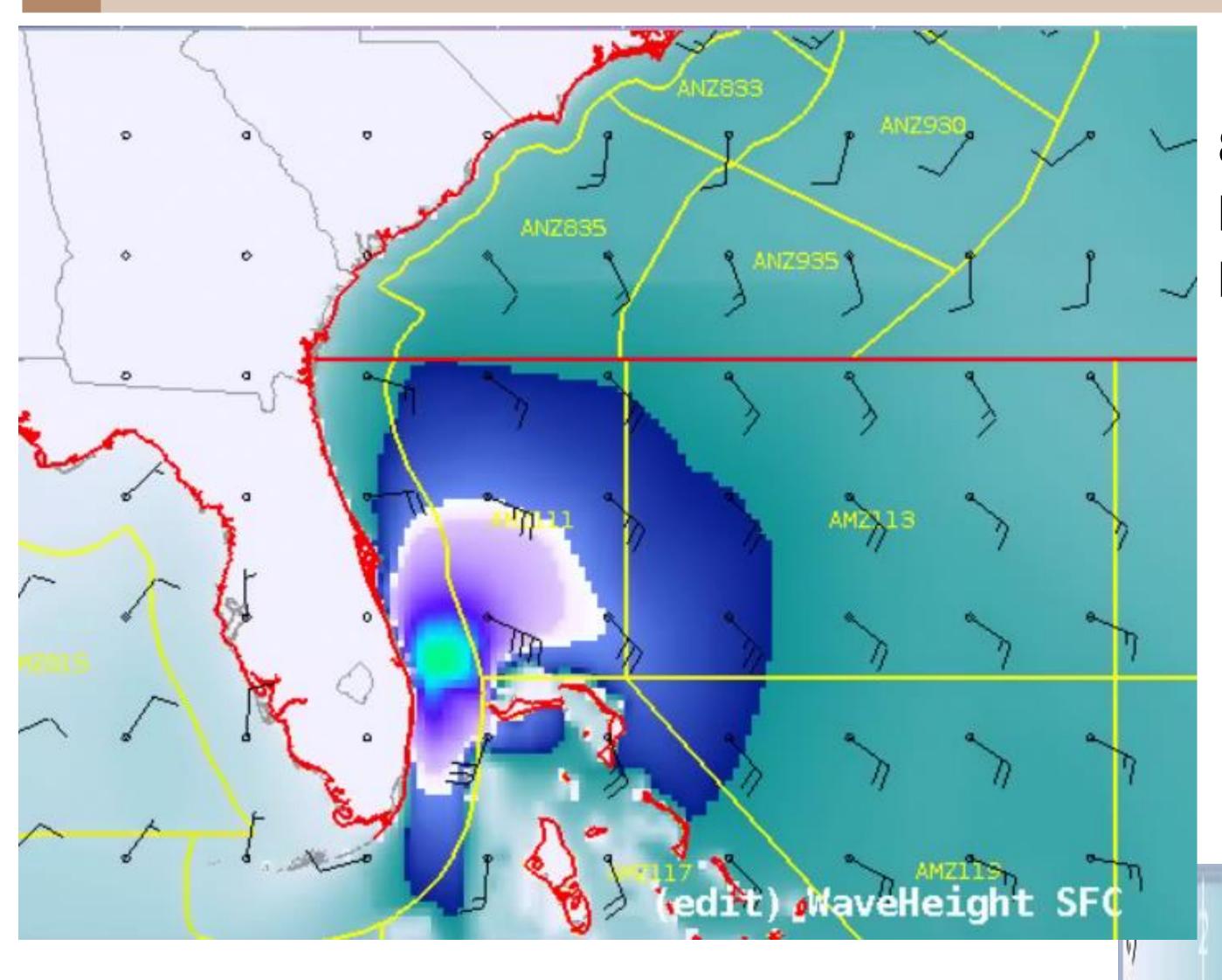


- 5-10% Palm Beach, Fort Pierce,
   Cape Canaveral
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

### Hurricane Isaias



Tropical Analysis and Forecast Branch NWS National Hurricane Center



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

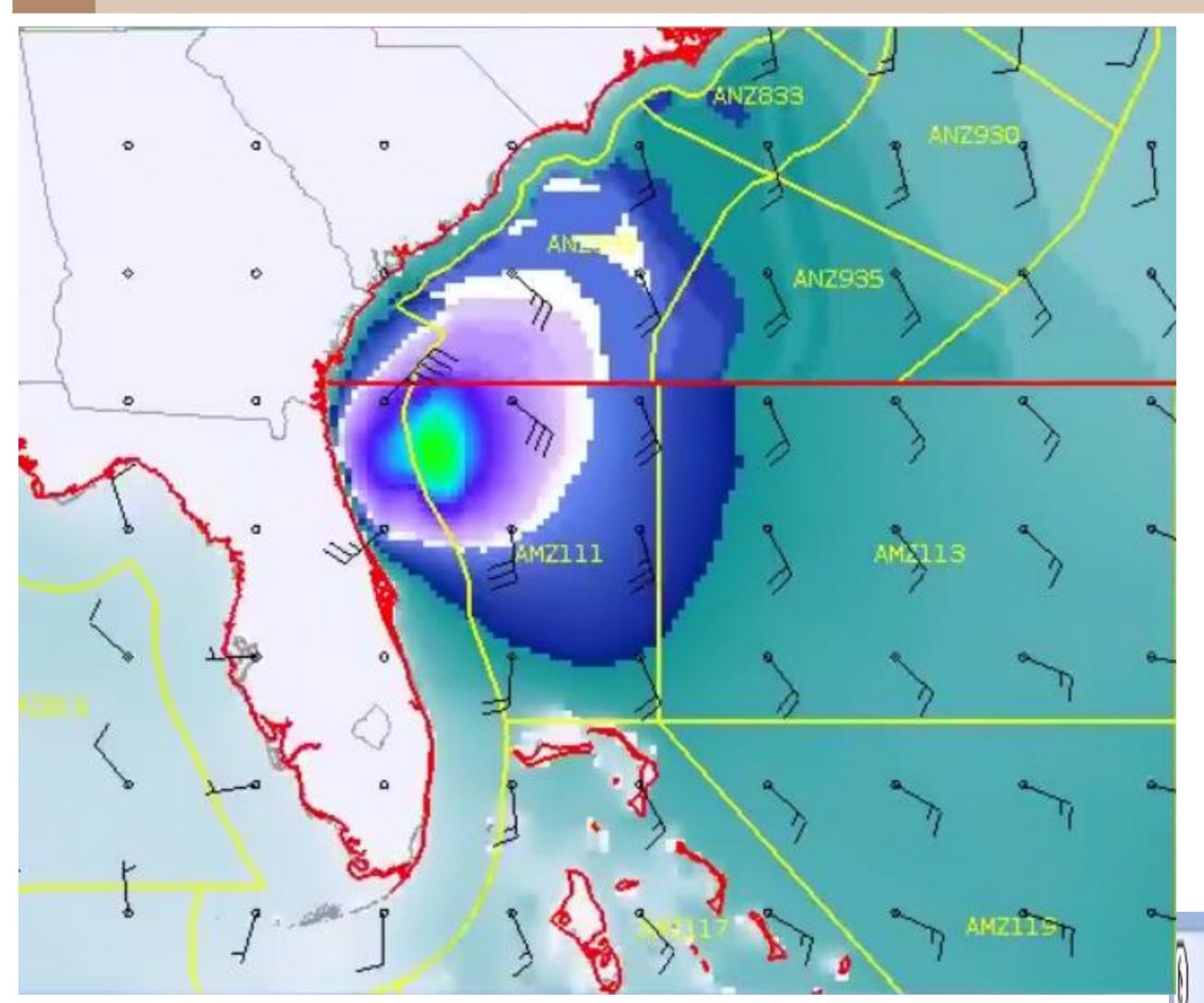
Peak Winds: 70 kt

Peak Seas: 25 ft

Wave heights are in feet

## Tropical Analysis and Forecast Branch NWS National Hurricane Center

### Hurricane Isaias



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

Peak Winds: 65 kt

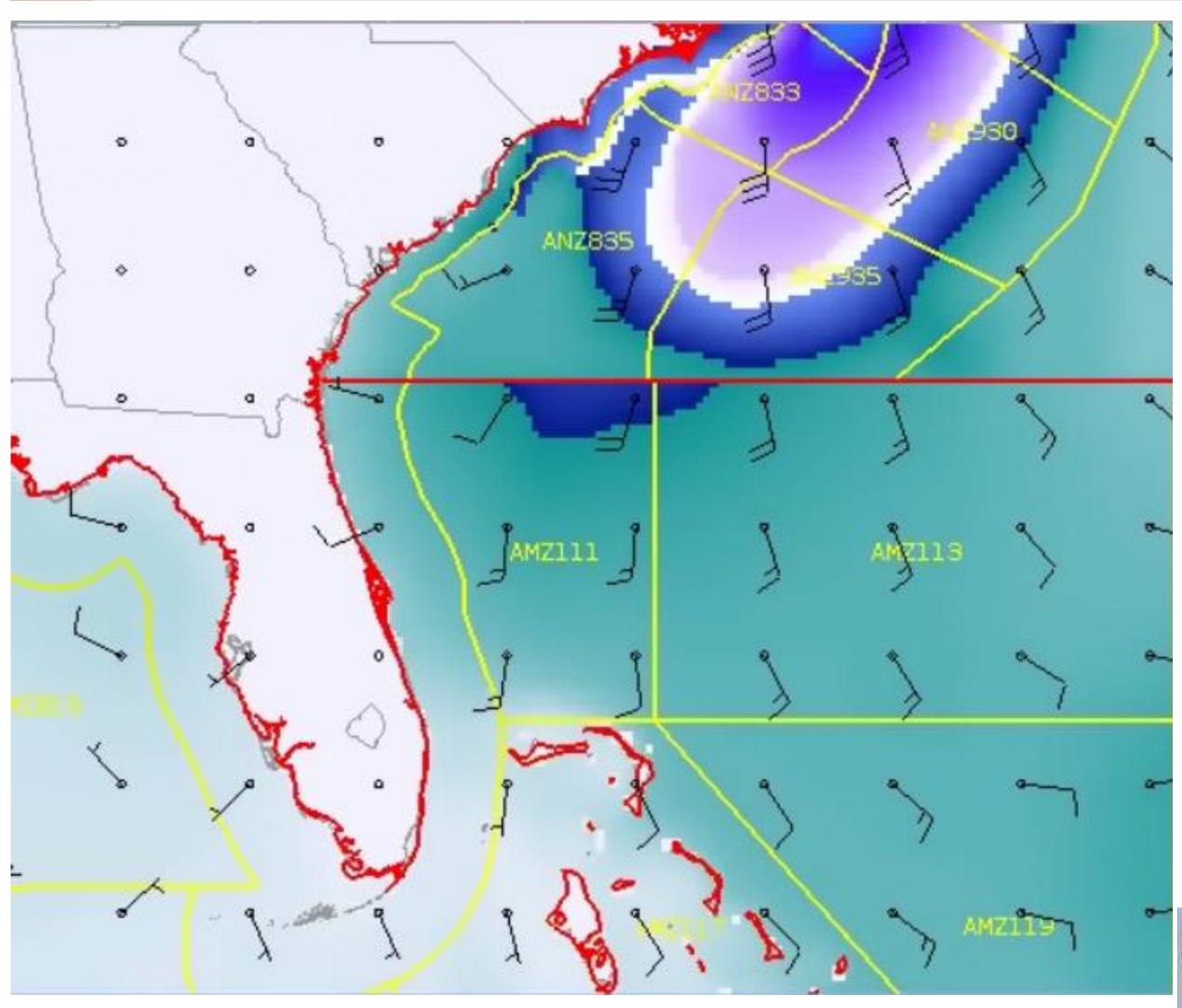
Peak Seas: 30 ft

Wave heights are in feet

### Hurricane Isaias



Tropical Analysis and Forecast Branch NWS National Hurricane Center



### 66 Hour Forecast 8am EDT, Tuesday, August 4<sup>th,</sup> 2020

Peak Winds: 35 kt (in D7 SRR)

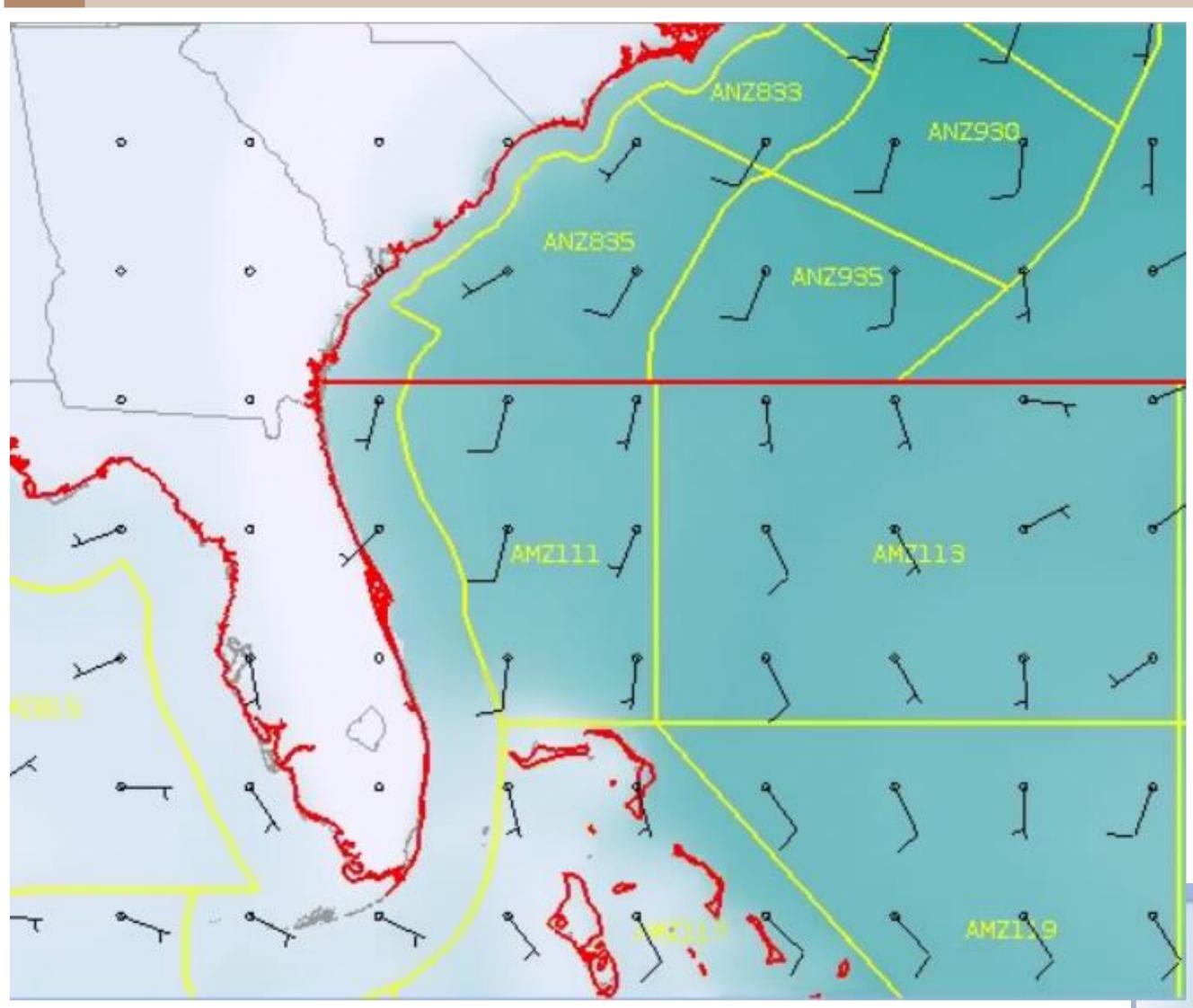
Peak Seas: 15 ft (in D7 SRR)

Wave heights are in feet



## Tropical Analysis and Forecast Branch NWS National Hurricane Center

### Hurricane Isaias



### 90 Hour Forecast 8am EDT, Wednesday, August 5th, 2020

Peak Winds: 15 kt (in D7 SRR)

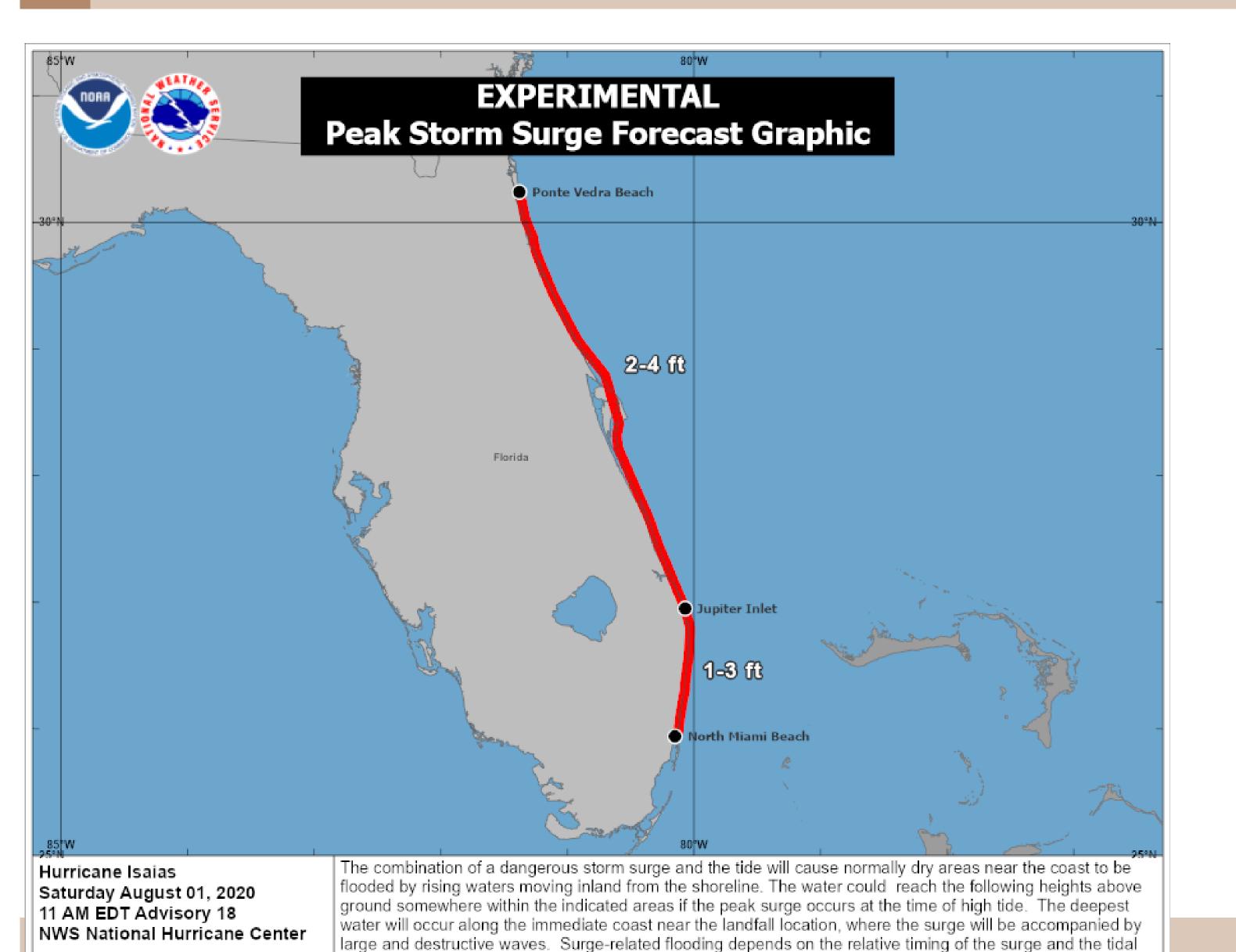
Peak Seas: 6 ft

Wave heights are in feet

## Potential Peak Storm Surge

### Hurricane Isaias

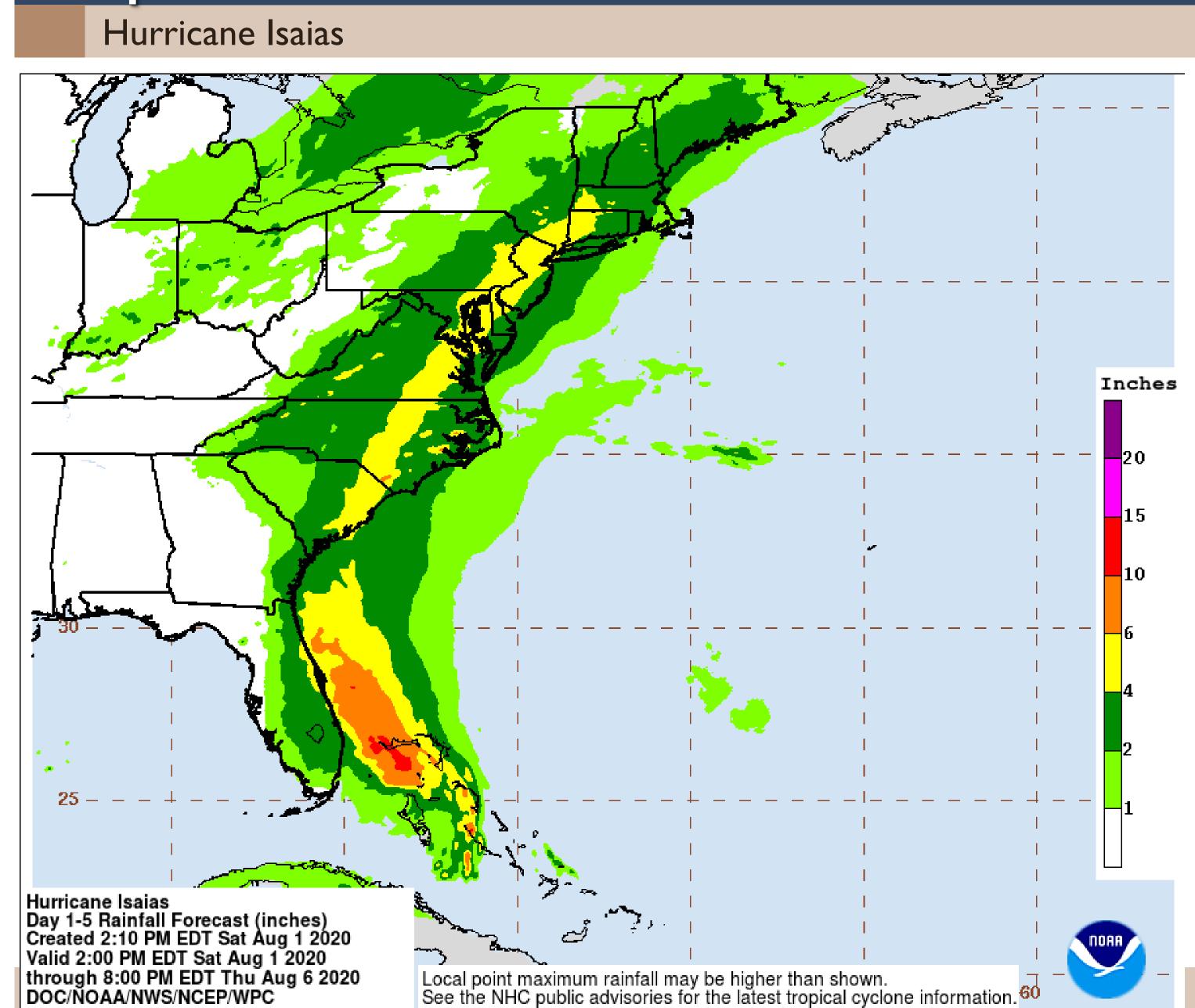




cycle, and can vary greatly over short distances.

- 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

## Expected Storm Total Rainfall



DOC/NOAA/NWS/NCEP/WPC



- Total rainfall in inches through Thursday.
- 2-4" with a maximum of 6"

#### Hurricane Isaias



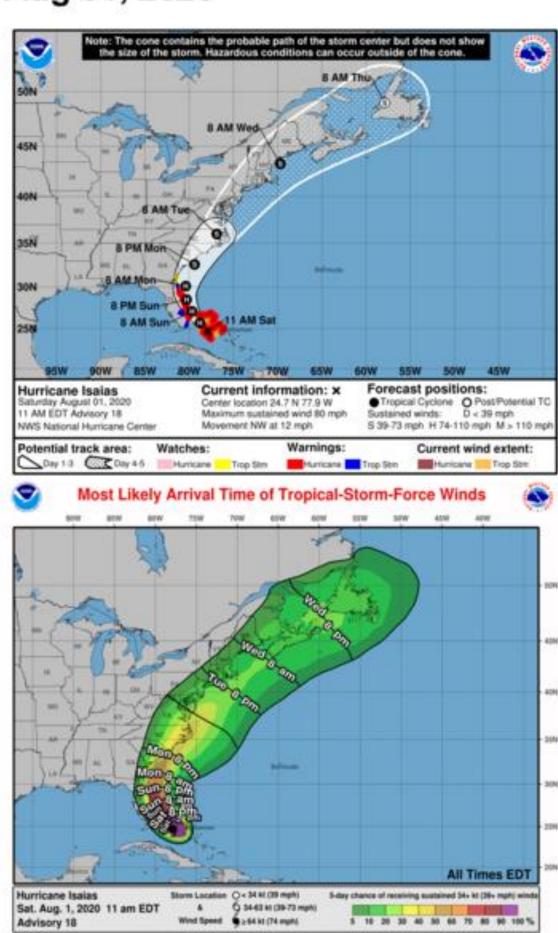
Tropical Analysis and Forecast Branch NWS National Hurricane Center



### Key Messages for Hurricane Isaias Advisory 18: 11:00 AM EDT Sat Aug 01, 2020



- Hurricane conditions and dangerous storm surge will continue in portions of the northwest Bahamas today and tonight.
- Hurricane conditions are expected along portions of the Florida east coast by late tonight and Sunday. 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 there should follow advice given by local emergency officials.
- 4. Isaias will produce heavy rains and potentially life-threatening flash flooding in the Bahamas, and flash urban flooding, especially in low-lying and poorly drained areas, in eastern Florida, and from the Carolinas to the mid-Atlantic and Northeast U.S. Minor river flooding is possible across portions of the Carolinas and Virginia early next week.
- 5. Tropical storm watches and warnings are in effect for portions of the northeast Florida and southern Georgia coasts. Additional watches and warnings will likely be issued later today and Sunday along the U.S. east coast as the risk of wind, heavy rainfall, and storm surge impacts continues to increase.



### Marine Key Messages:

- Peak seas currently near 20' with a large area of 12' seas northeast of the center
- Peak seas to build to near 30' by Monday offshore of NE Florida, Georgia, and South Carolina

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: Sunday9:00 AM EDT

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