

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

**Winds – High**

**Storm Surge – High**

**Rainfall/Flash Flooding – High**

**Tornadoes – High**

**Waves - High**

# HURRICANE IDALIA BRIEFING

4:00 PM EDT

Wednesday, August 30, 2023

Prepared by:

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*Tropical Analysis and Forecast Branch*

*NWS National Hurricane Center*



NHC\_TAFB

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



# Situation Overview

Hurricane Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

**...IDALIA'S CORE MOVING ACROSS SOUTHEASTERN GEORGIA...**

**...FLASH AND RIVER FLOODING LIKELY ACROSS GEORGIA AND THE EASTERN CAROLINAS THROUGH THURSDAY...**

**SUMMARY OF 200 PM EDT...INFORMATION**

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**LOCATION...31.4N 82.5W**

**ABOUT 10 NM...NNW OF WAYCROSS GEORGIA**

**ABOUT 85 NM...WSW OF SAVANNAH GEORGIA**

**MAXIMUM SUSTAINED WINDS...65 KT**

**PRESENT MOVEMENT...NE AT 17 KT**

**PEAK SEAS...12 FT**

**SIZE**

**64 KT..... 20NE 20SE 15SW 10NW.**

**50 KT..... 60NE 50SE 30SW 40NW.**

**34 KT.....150NE 200SE 80SW 60NW.**

**12 FT SEAS.. 0NE 120SE 90SW 0NW.**

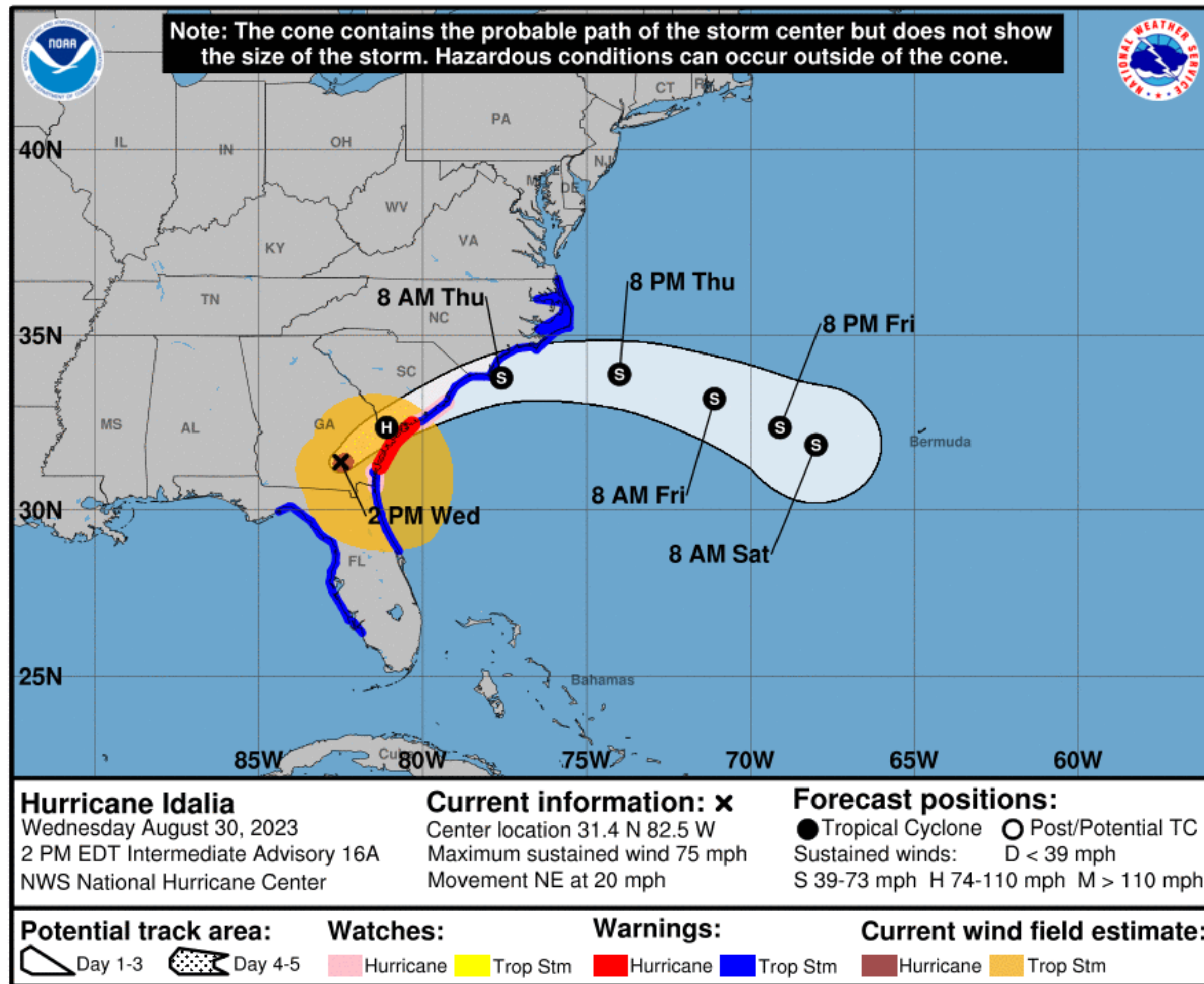


# Forecast Information

## Hurricane Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



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

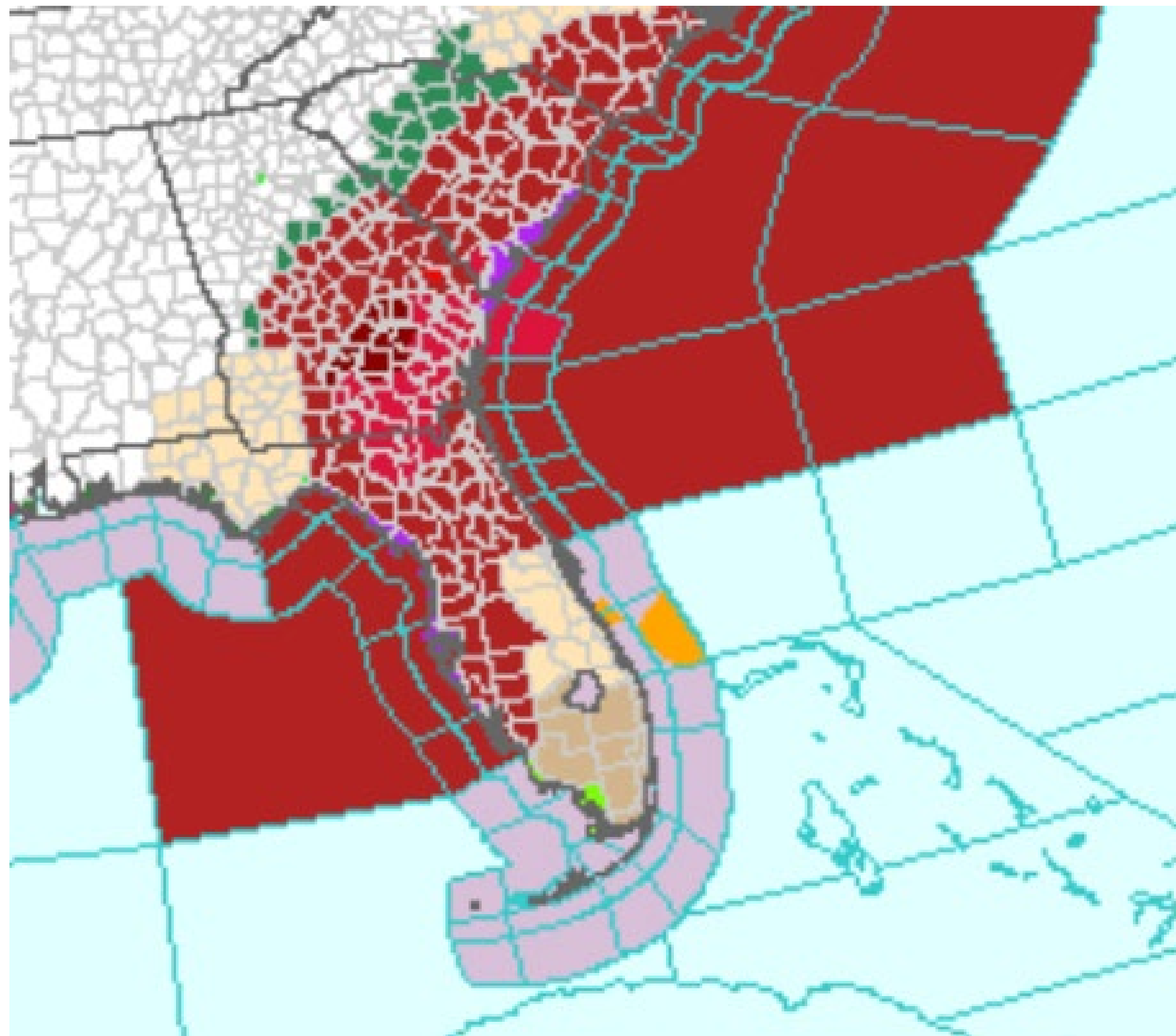
- **Idalia will turn gradually toward the E during the next two days at about the same forward speed**
  - **Idalia will gradually weaken while it tracks along the coast of Georgia and the Carolinas**
  - **Idalia is anticipated to produce near hurricane conditions along the Georgia and South Carolina coastline**
  - Current center forecast positions through the next 5 days (if applicable) illustrated by dots
  - White swath of potential 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 Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



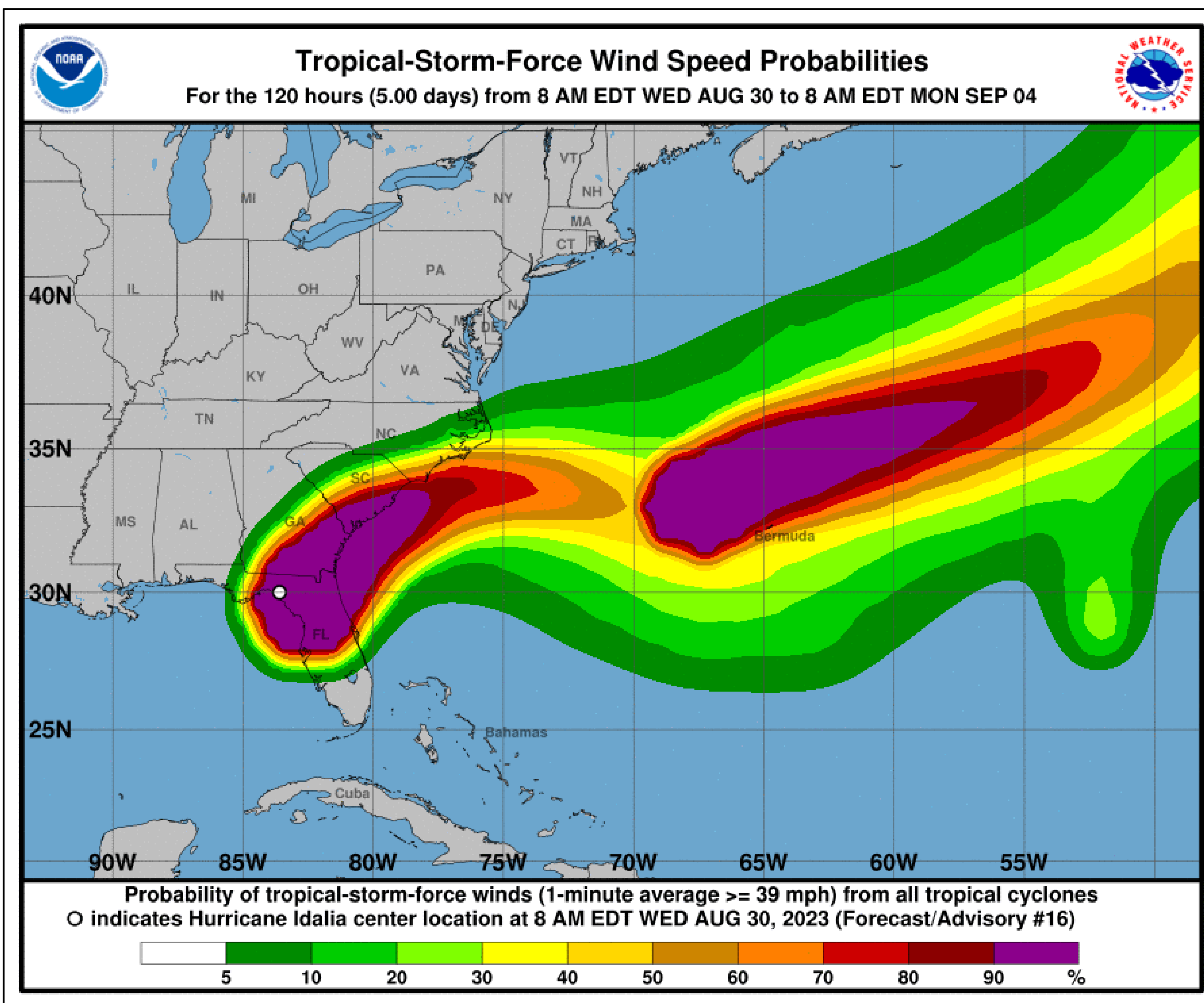


# T.S. Wind Speed Probabilities

Hurricane Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Red means **increase** in probabilities since this morning

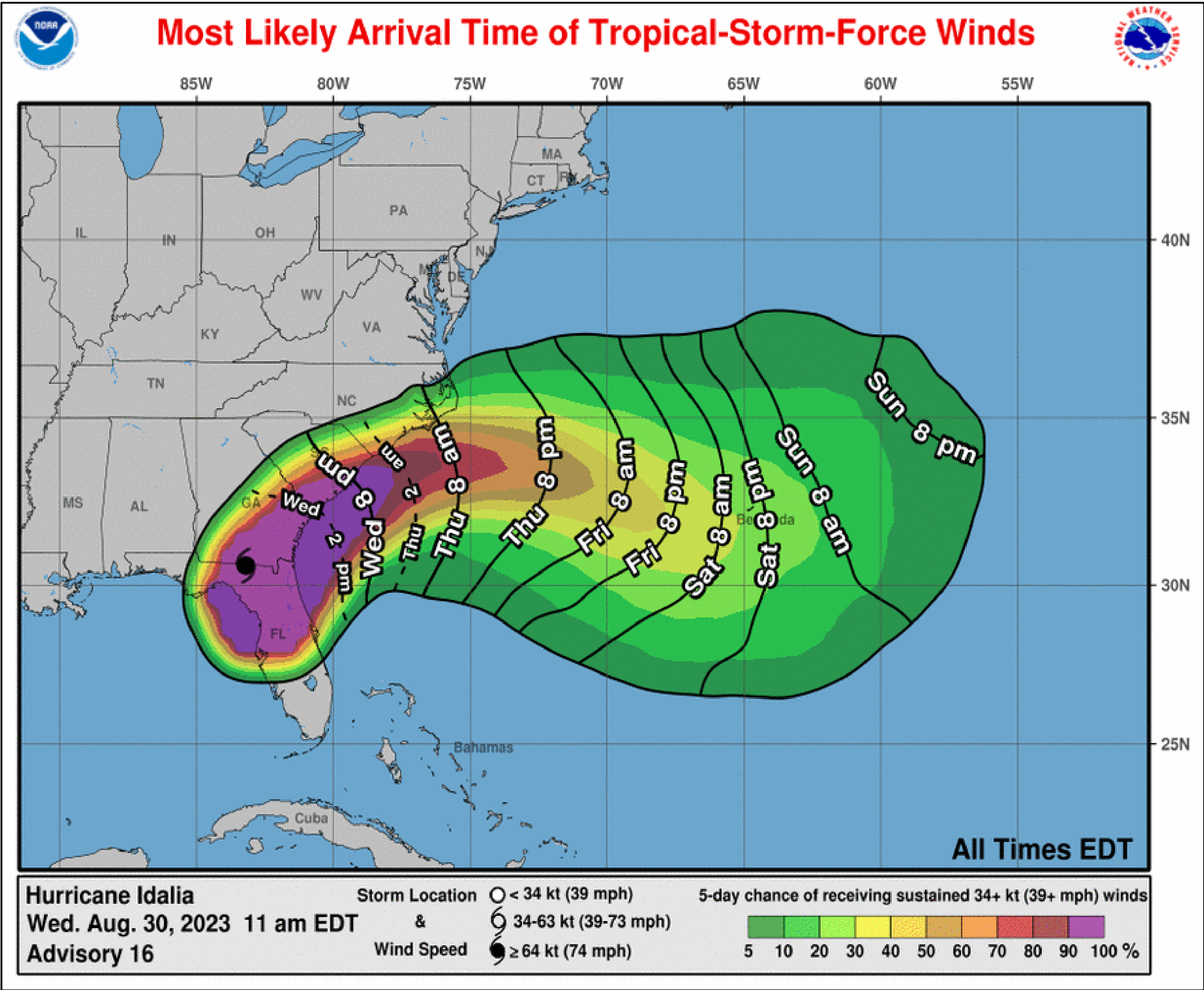
Green means a **decrease** in probabilities since this morning

Black means a **no change** in probabilities since this morning

- **CEDAR KEY FL 100%**
- **TAMPA FL 100%**
- **JACKSONVILLE 100%**
- **MAYPORT FL 100%**
- **KINGS BAY GA 100%**
- **SAVANNAH GA 100%**
- **BEAUFORT SC 100%**
- **CHARLESTON SC 100%**
- 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%



Hurricane Idalia



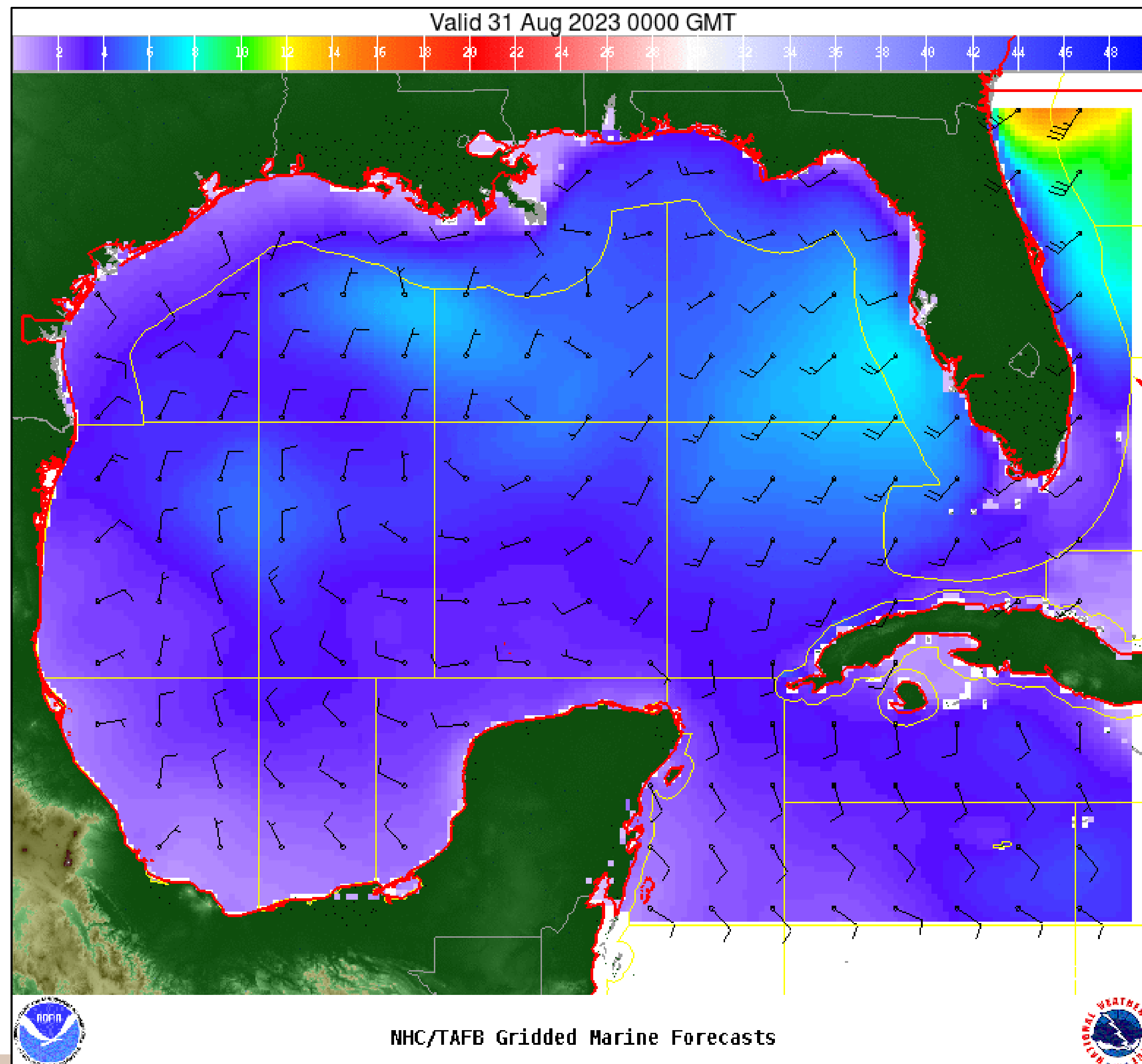
- **Charleston – Tonight**
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

# Wind And Waves – Gulf of Mexico

Hurricane Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## 6 Hour Forecast

8pm, Wednesday, August 30<sup>th</sup>

Peak Winds: 20 KT (in Gulf)

Peak Seas: 7 FT (in Gulf)

- Wave heights are in feet



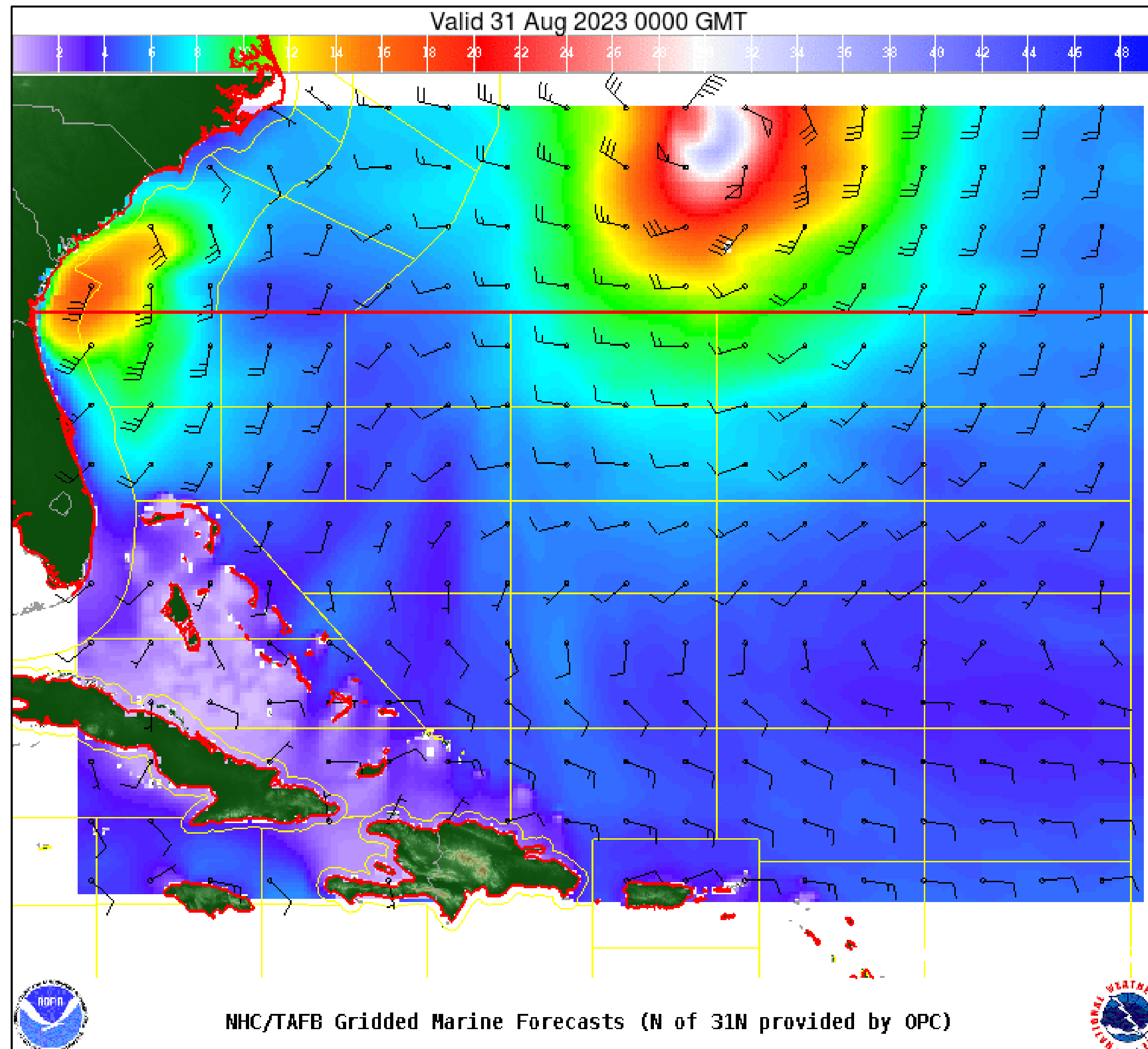
Significant Wave Height (ft)

# Wind And Waves – Atlantic Ocean

Hurricane Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



6 Hour Forecast

8pm, EDT Wednesday, August 30th

Peak Winds: 65 KT

Peak Seas: 17 FT

- Wave heights are in feet



Significant Wave Height (ft)

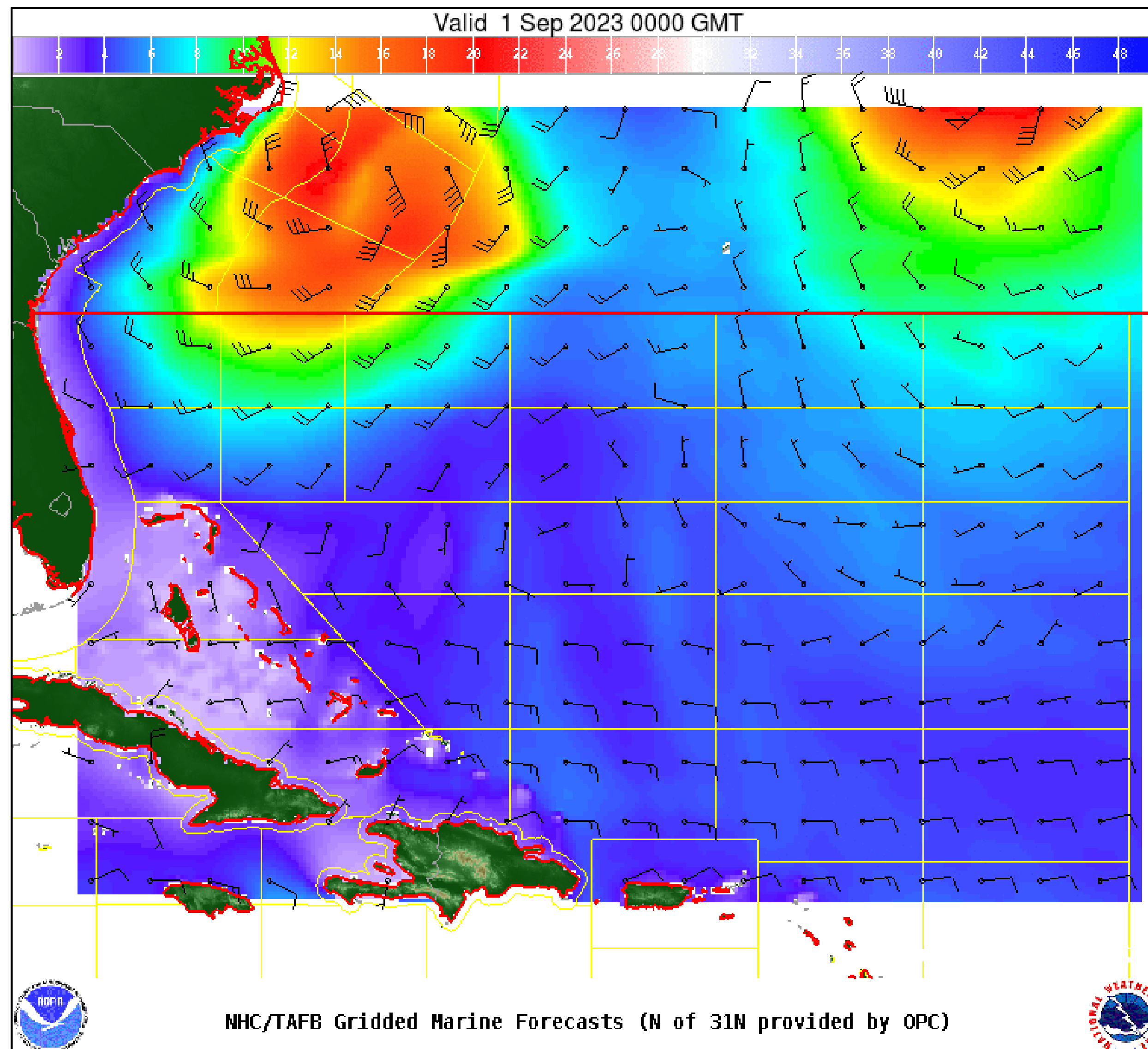


# Wind And Waves – Atlantic Ocean

Hurricane Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



30 Hour Forecast

8pm, EDT Thursday, August 31st

Peak Winds: 50 KT

Peak Seas: 21 FT

■ Wave heights are in feet



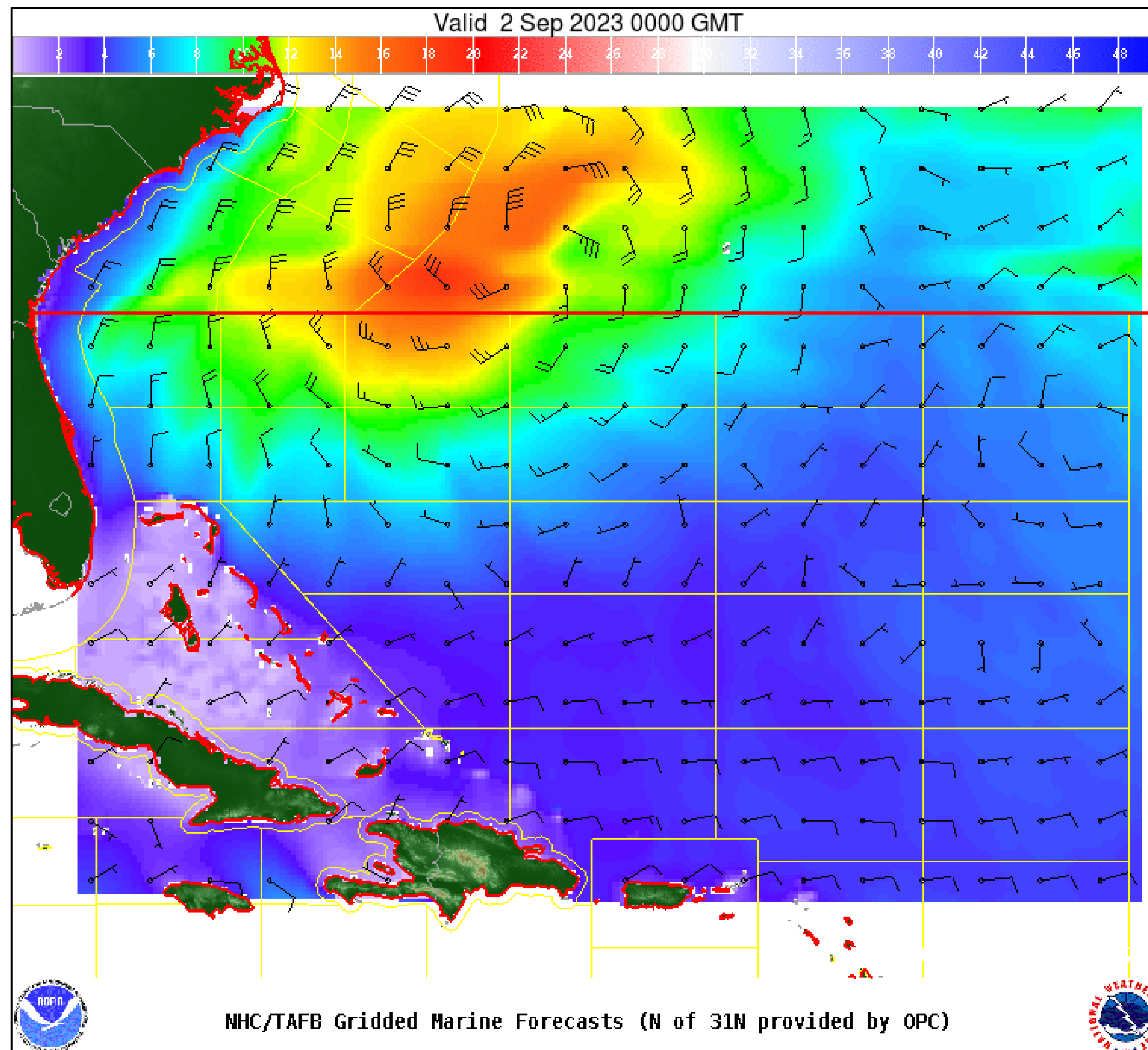
Significant Wave Height (ft)

# Wind And Waves – Atlantic Ocean

Hurricane Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



54 Hour Forecast

8pm, EDT Friday, Sep 1st

Peak Winds: 45 KT

Peak Seas: 18 FT

■ Wave heights are in feet



Significant Wave Height (ft)





## Ending Time of Tropical Storm Force (34 kt) Winds:

### Gulf of Mexico Coast

- All Tropical Storm Force Winds are ending now

### Atlantic Coast

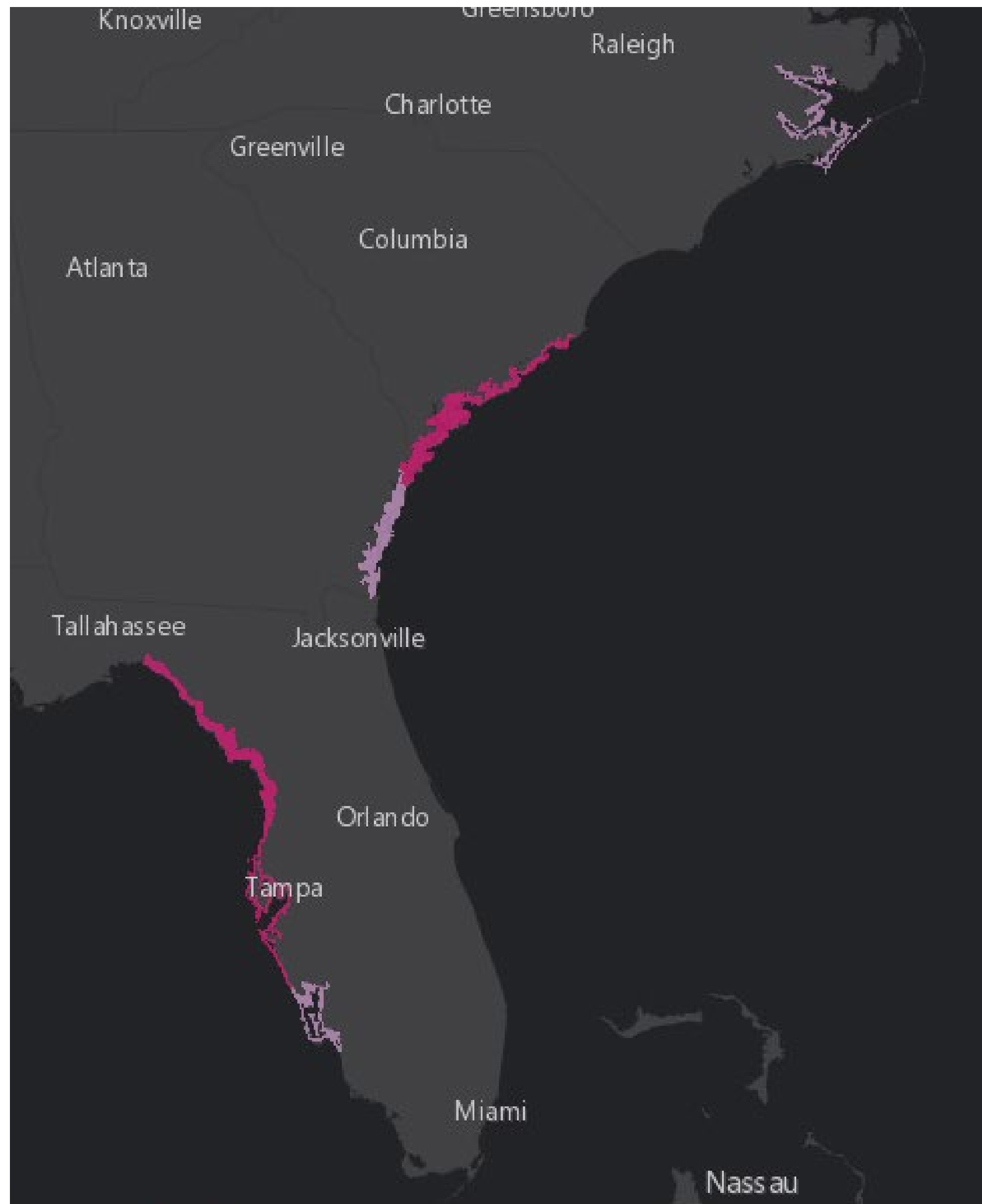
- JACKSONVILLE – Now
- MAYPORT FL – Early This Evening
- KINGS BAY GA – Early This Evening
- SAVANNAH GA – Early This Evening
- BEAUFORT SC – Midnight Tonight
- CHARLESTON SC – Early Thu Morning

# Storm Surge Watches and Warnings



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

## Hurricane Idalia



Storm Surge Warning  
Storm Surge Watch

A Storm Surge **Warning** is in effect for...

- \* Englewood northward to Aucilla River, FL including Tampa Bay
- \* St. Catherine's Sound GA, to South Santee River SC

A Storm Surge **Watch** is in effect for...

- \* Bonita Beach northward to Englewood, including Charlotte Harbor
- \* Mouth of the St. Mary's River to St. Catherine's Sound GA
- \* Beaufort Inlet to Ocracoke Inlet NC
- \* Neuse and Pamlico Rivers NC

A Storm Surge *Warning* means that there is a danger of life-threatening inundation

A Storm Surge *Watch* means there is a possibility of life-threatening inundation

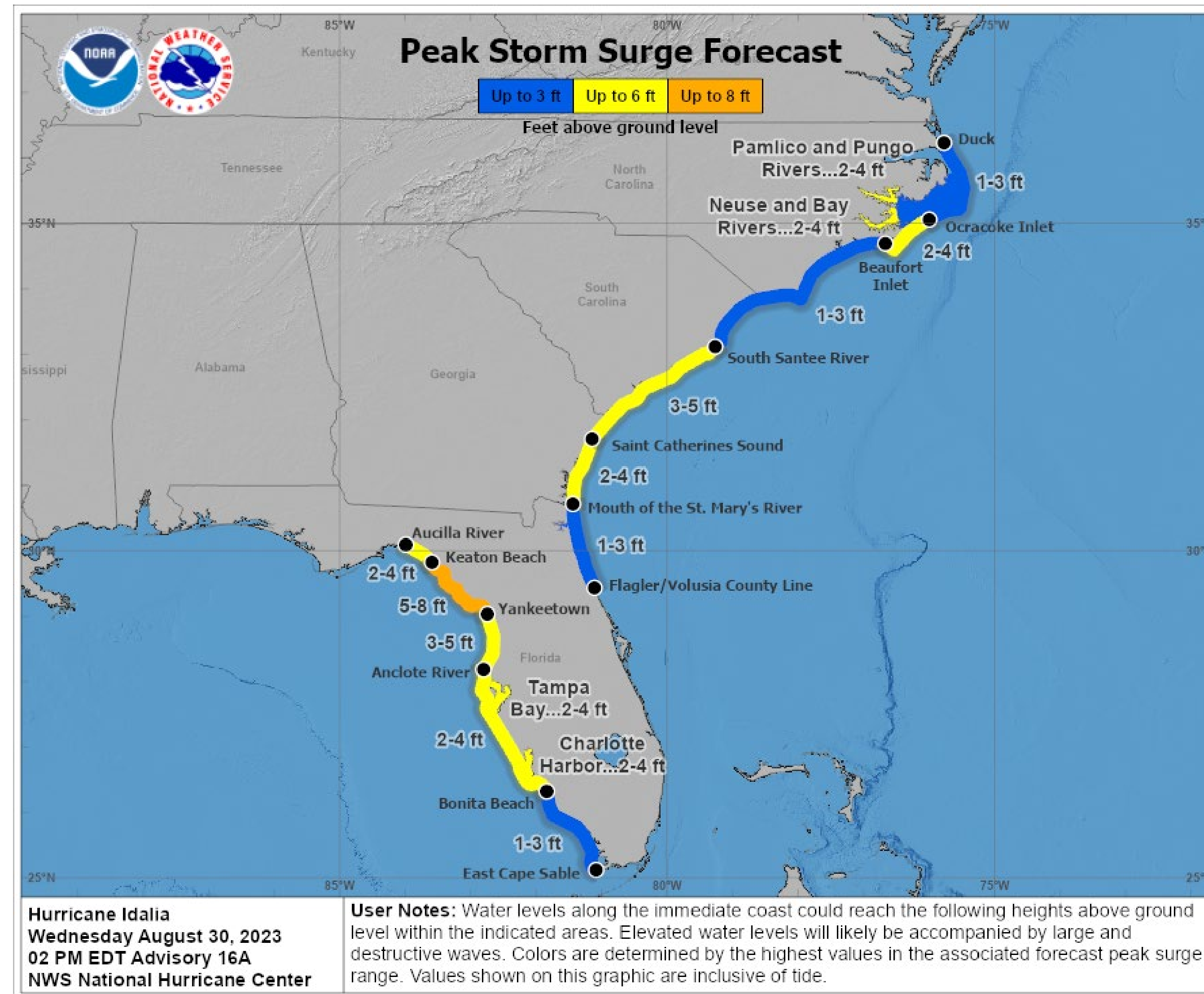


# Peak Storm Surge

Hurricane Idalia



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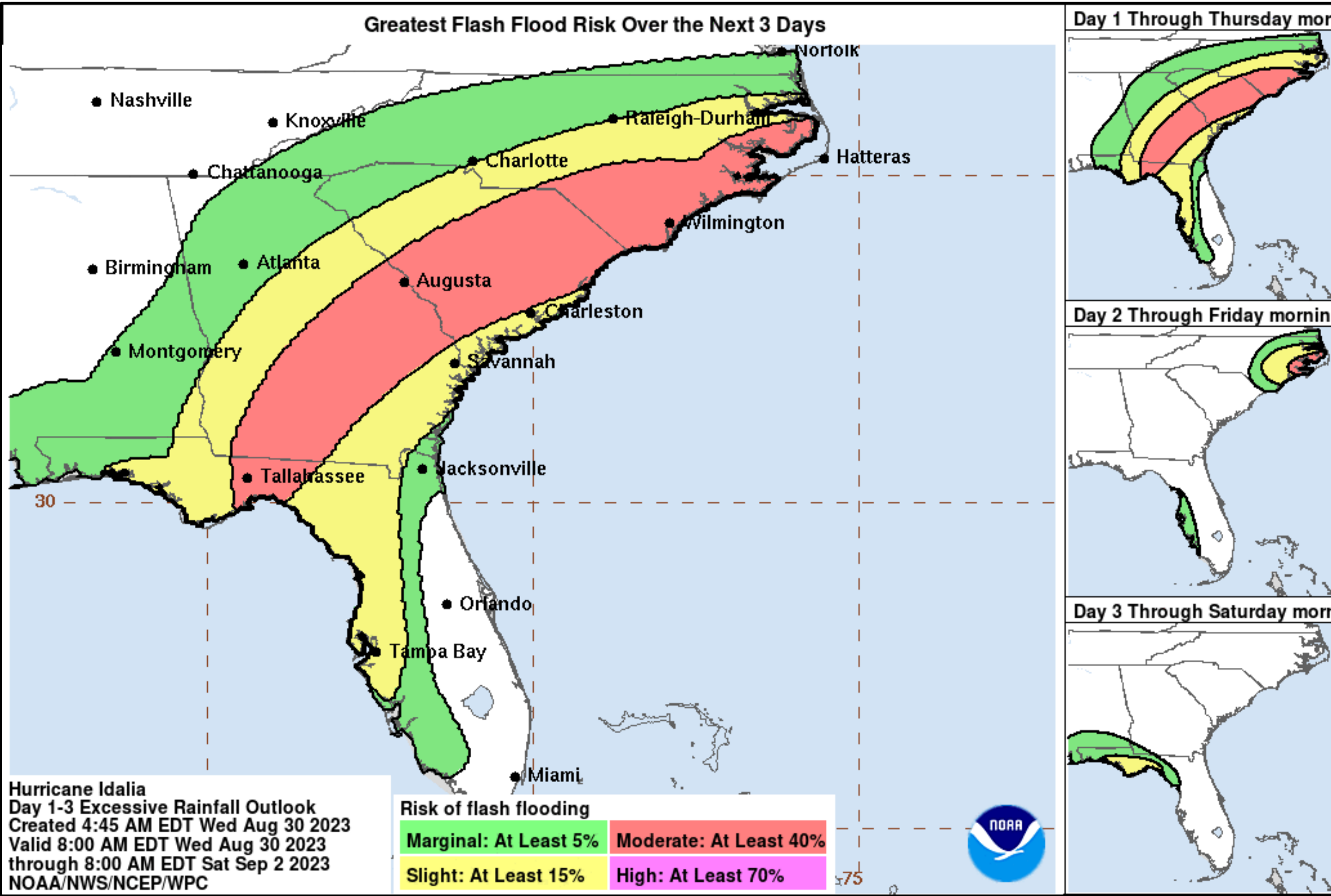
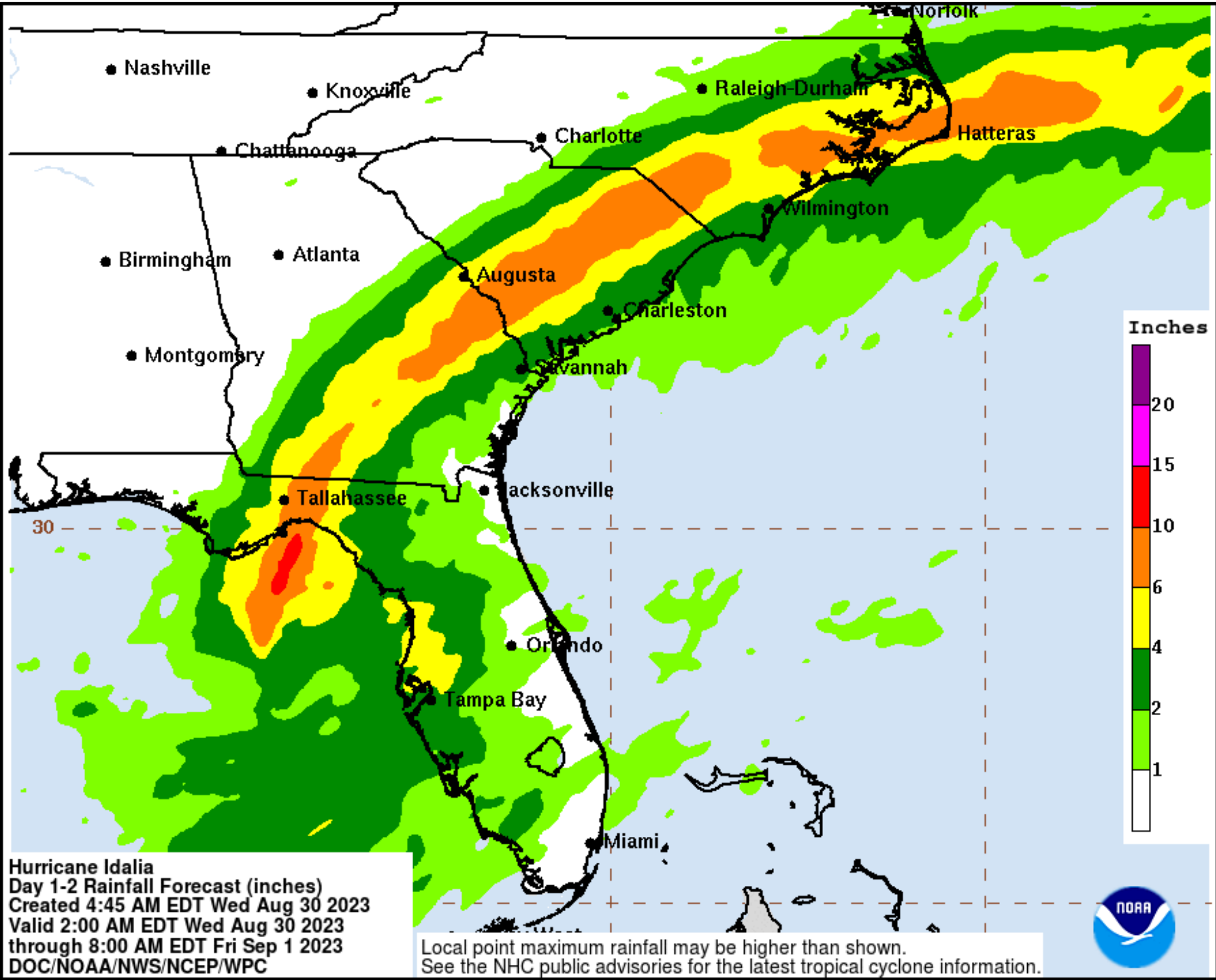
# Expected Storm Total Rainfall and Chance of Rainfall Flooding

Hurricane Idalia

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



■ Rainfall Total 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%**

Flooding Rain through Saturday Morning



# Flood Outlook

Hurricane Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

Significant River Flood Outlook  
Aug 30 2023 - Sep 04 2023



Wed Aug 30 2023, 1730Z  
NOAA/NWS/WPC & RFCs

RFC: Issuance Day/Time:  
ABRFC:301433 NCRFC:301446  
CBRFC:300745 NERFC:291436  
CNRFC:291800 NWRFC:301705  
LMRFC:301514 OHRFC:301610  
MARFC:301312 SERFC:301630  
MBRFC:301602 WGRFC:301433



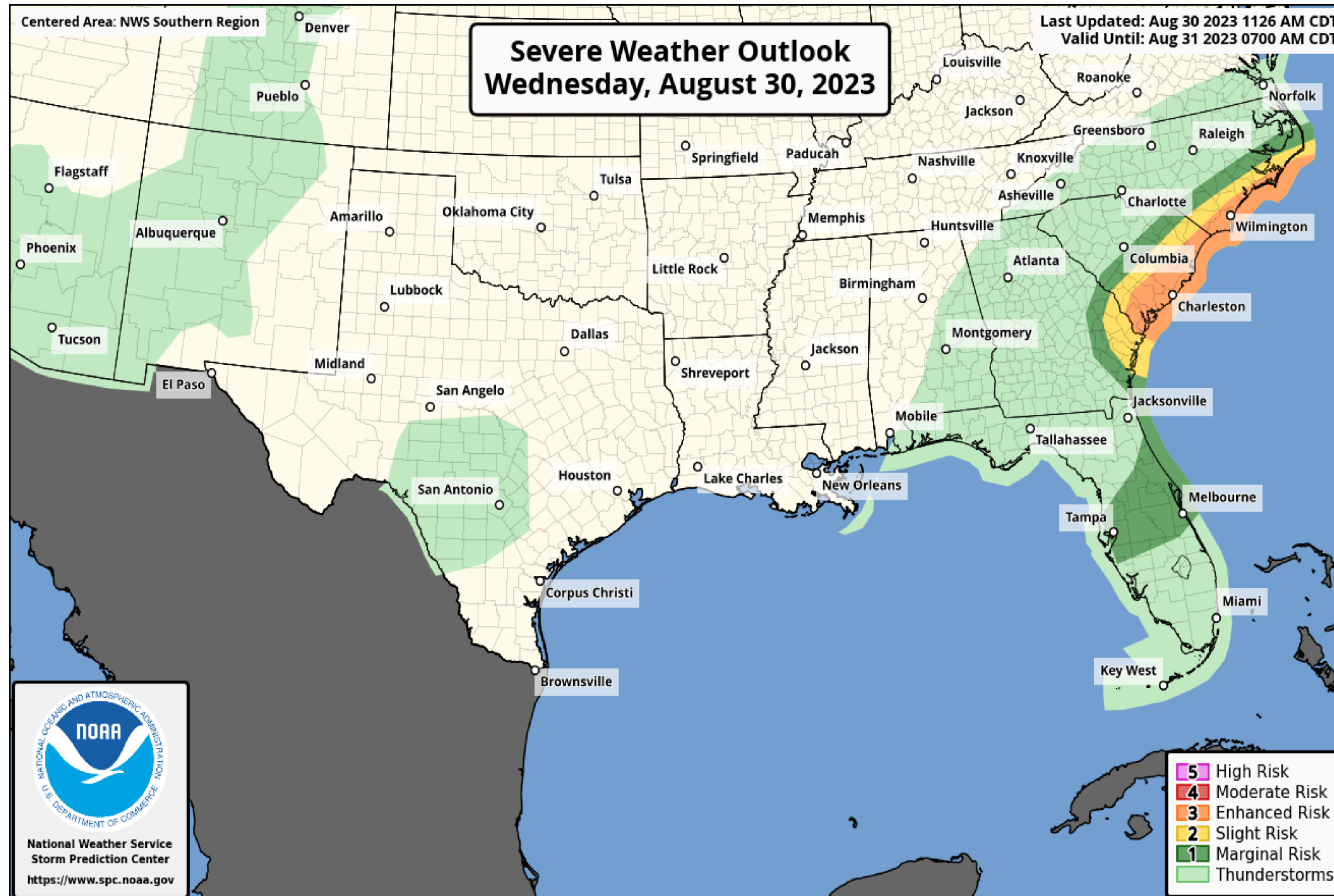
# Tornado Outlook – Day 1

Hurricane Idalia

Image from NWS Storm Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



A few tornadoes are expected through tonight from southeast Georgia into the coastal Carolinas in association with Hurricane Idalia.



# Key Messages

## Hurricane Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



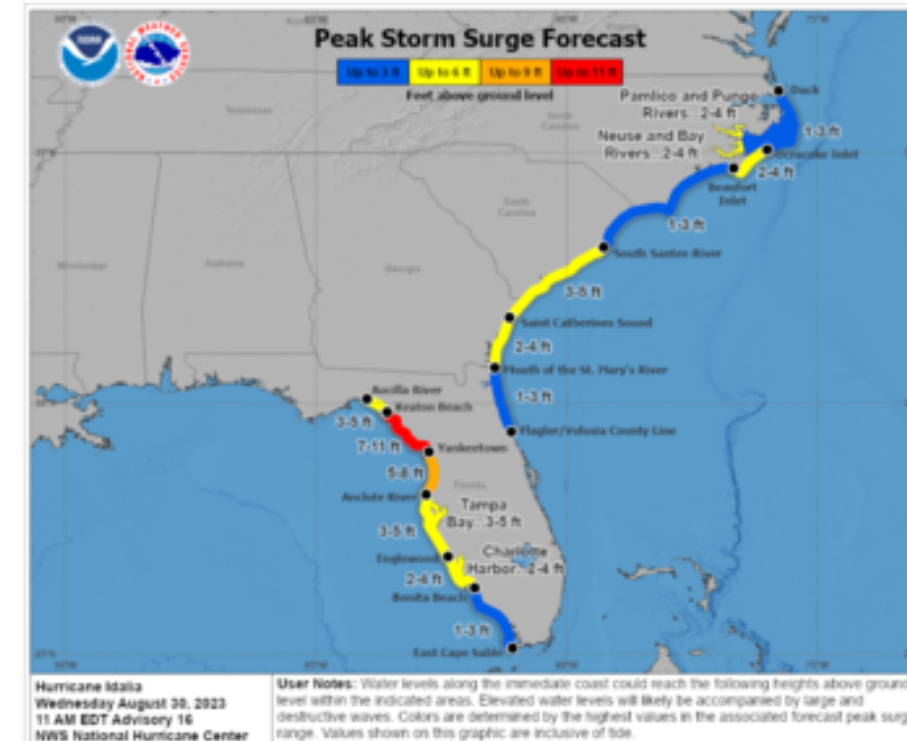
### Key Messages for Hurricane Idalia Advisory 16: 11:00 AM EDT Wed Aug 30, 2023



1. Significant impacts from storm surge will continue along the Gulf coast of Florida within the Storm Surge Warning through this evening. Dangerous storm surge is also expected along the southeastern U.S. coast within the Storm Surge Warning area tonight and Thursday. Residents in these areas should follow any advice given by local officials.

2. Damaging hurricane-force winds will occur where the core of Idalia moves across southern Georgia and southern South Carolina within the hurricane warning area through this evening. Residents in these areas should be prepared for long-duration power outages. Strong winds are also expected to spread northeastward across South Carolina and North Carolina through Thursday within the Tropical Storm Warning area.

3. Areas of flash, urban, and moderate river flooding, with considerable impacts, are expected from portions of North Florida through central Georgia and South Carolina, through eastern North Carolina into Thursday.



For more information go to [hurricanes.gov](https://hurricanes.gov)

## IMPACTS FOR D7 (through next 3 days)

Winds – **High**

Storm Surge – **High**

Rainfall/Flash Flooding – **High**

Tornadoes – **High**

Waves - **High**

*Gulf:*

Seas are currently 9 ft

Conditions are improving quickly

*Atlantic:*

Seas are building quickly off the NE Florida/GA/lower SC coast this morning

Seas to peak 21 ft offshore through Saturday

Conditions will improve off the SE US coast by Thu night



# HURRICANE IDALIA BRIEFING

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

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

*You can always find get the latest graphics and information for this storm at [www.hurricanes.gov](http://www.hurricanes.gov)*



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