

**IMPACTS FOR D7 (through next 5 days)**

**Winds – Extreme**

**Storm Surge – Extreme**

**Rainfall/Flash Flooding – High**

**Tornadoes – Medium**

**Waves - Extreme**

# TROPICAL STORM IDALIA BRIEFING

9:00 AM EST

Monday, August 28, 2023

Prepared by:

**Amanda Reinhart**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



NHC\_TAFB

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

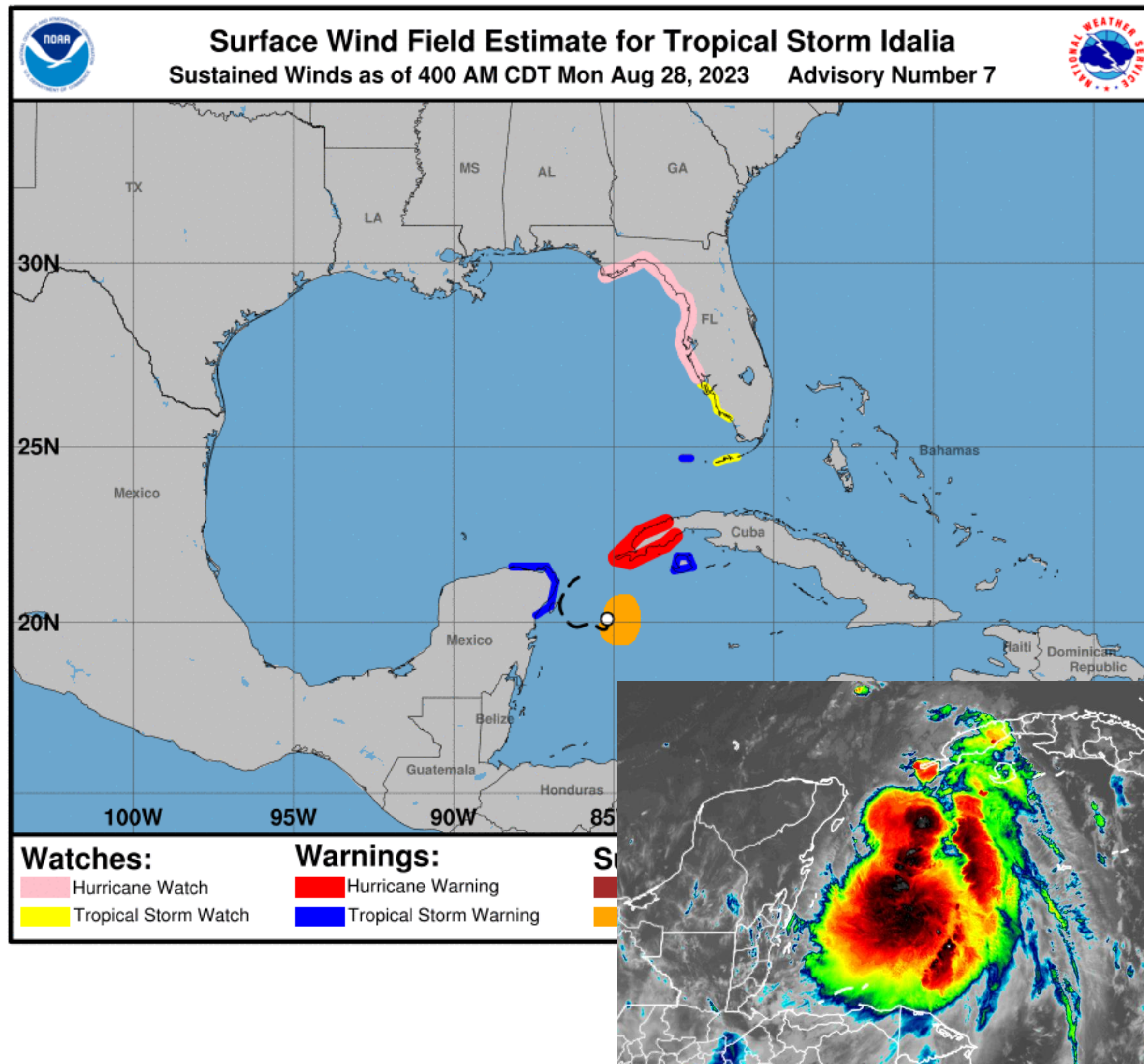


# Situation Overview

## Tropical Storm Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**...Idalia forecast to become a hurricane when it nears western Cuba later today...  
...Life-threatening storm surge and dangerous winds becoming increasingly likely for portions of Florida...**

### Summary of 800 AM EDT Information

Location... 20.6N 85.2W

About 80 nm S of the western tip of Cuba

Maximum Sustained Winds...55 kt

Present Movement...N at 7 kt

Peak Seas: 20 ft

12 ft seas...60NE 30SE 0SW 30NW.

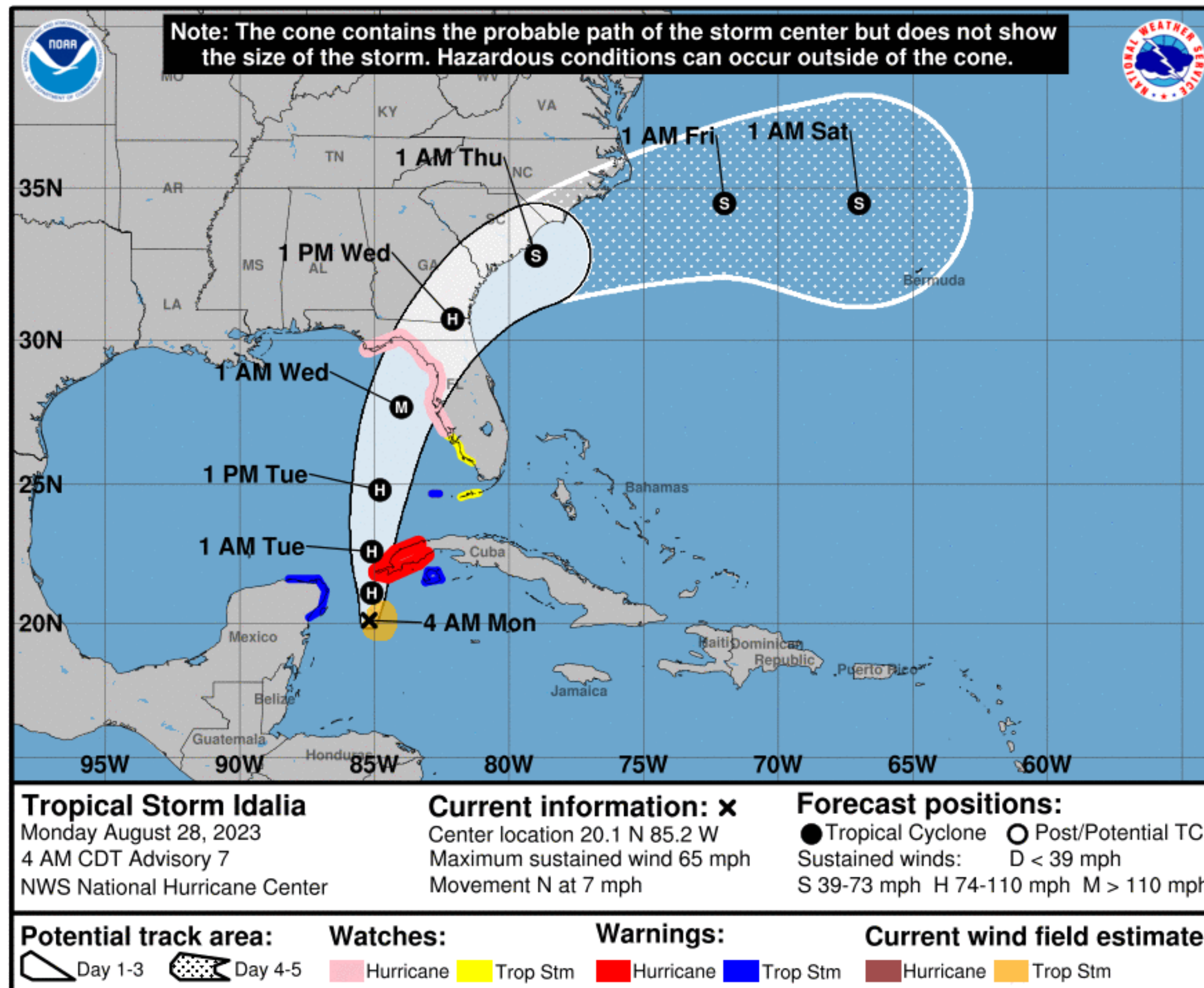


# Forecast Information

## Tropical Storm Idalia



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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 move northward into the SE Gulf through Tue and gradually turn NE towards the west coast of Florida
- Idalia is expected to strengthen into a hurricane today and increasingly likely to become a major hurricane in the eastern Gulf before landfall Tue night or Wed morning
- The risk continues to increase for life-threatening storm surge and dangerous hurricane-force winds along portions of the west coast of Florida and the Florida Panhandle as early as Tue night
- 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
- Hatched swath of potential 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.

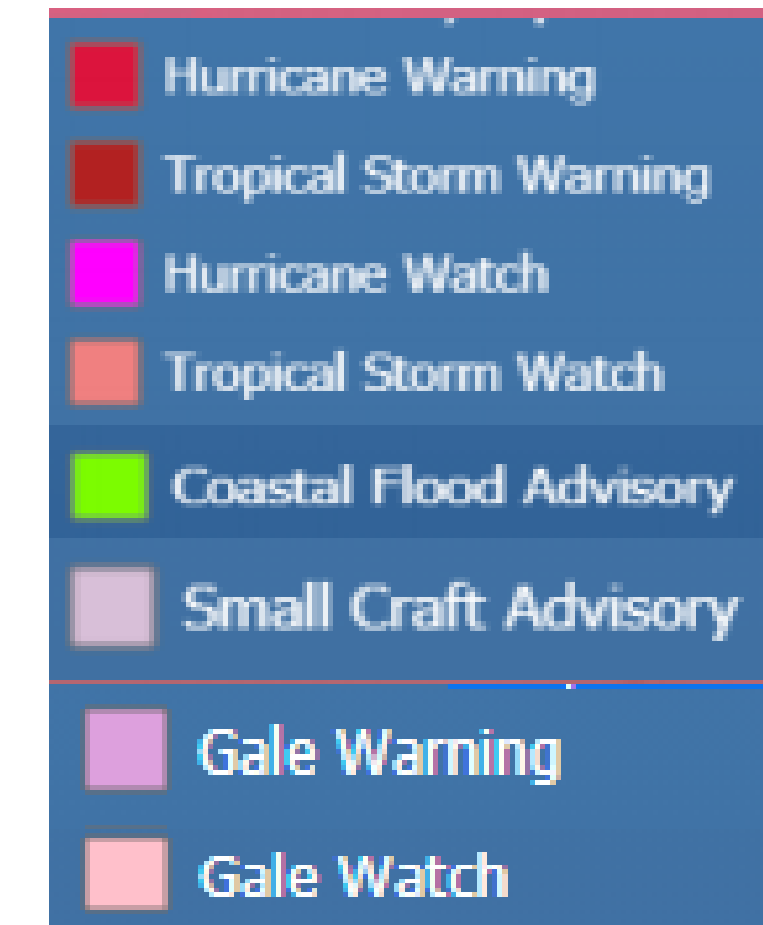
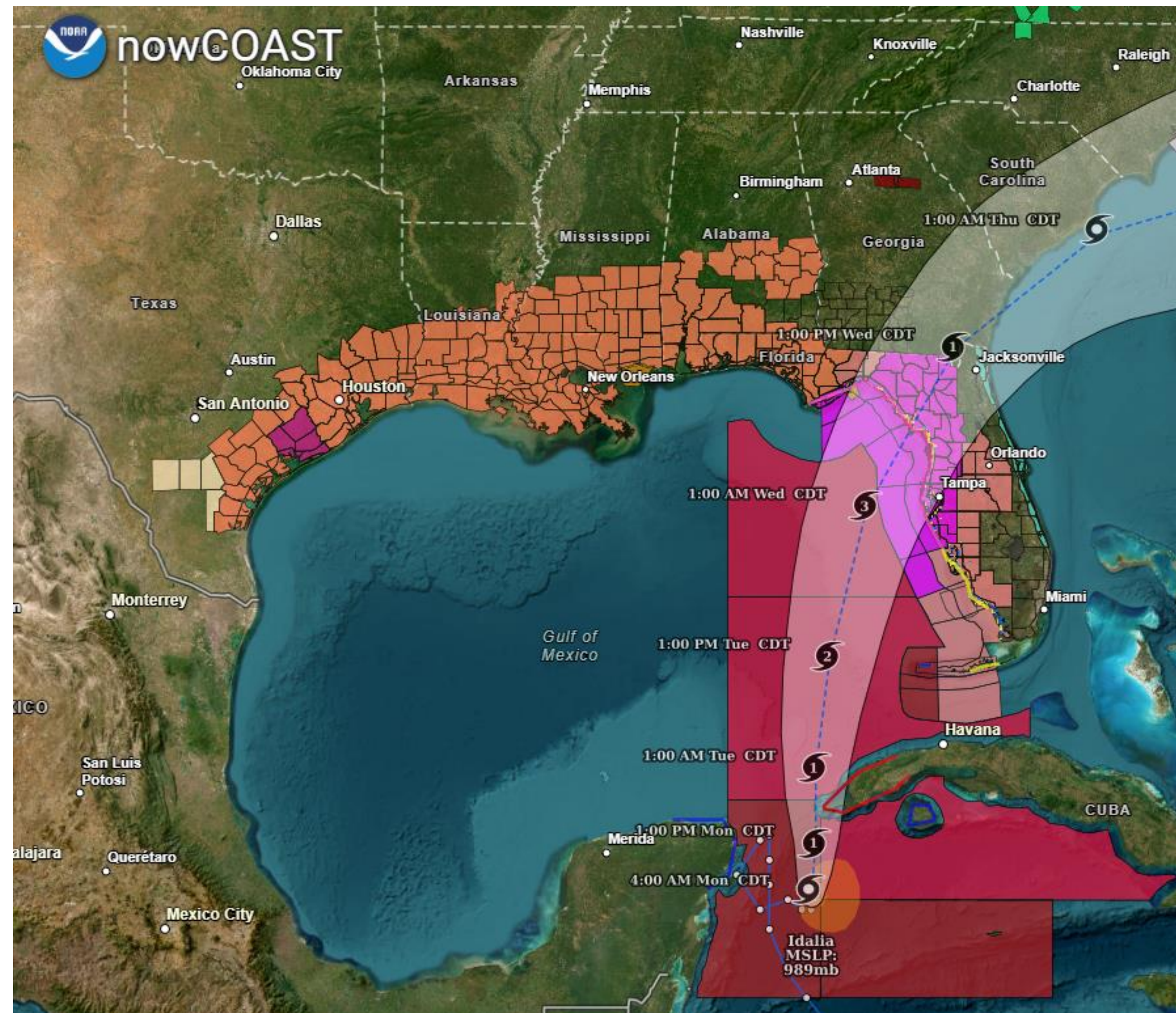


# Hazards Map

## Tropical Storm Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



<https://nowcoast.noaa.gov/>

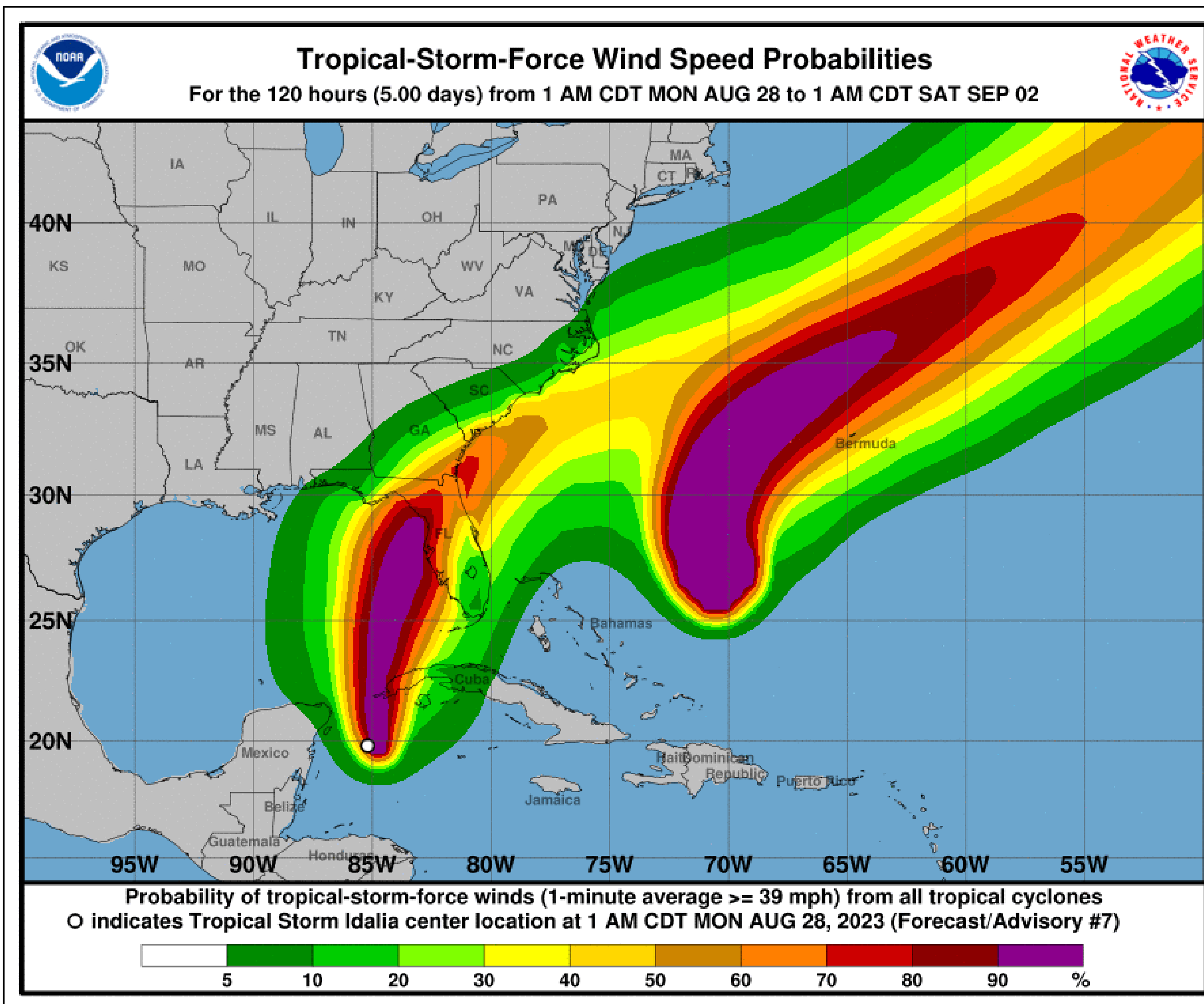


# T.S. Wind Speed Probabilities

## Tropical Storm Idalia



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NWS National Hurricane Center



- CHARLESTON SC 50%
- BEAUFORT SC 55%
- **SAVANNAH GA 40%**
- **KINGS BAY GA 75%**
- **JACKSONVILLE 60%**
- **COCOA BEACH FL 45%**
- FT LAUDERDALE 20%
- MIAMI FL 10%
- KEY WEST FL 30%
- NAPLES FL 50%

**Red** means  
**increase** in  
probabilities since  
Sunday

**Green** means a  
**decrease** in  
probabilities since  
Sunday

- **TAMPA FL 85%**
- **CEDAR KEY FL 90%**

- TALLAHASSEE FL 30%
- APALACHICOLA FL 50%
- PANAMA CITY FL 30%
- PENSACOLA FL 5%

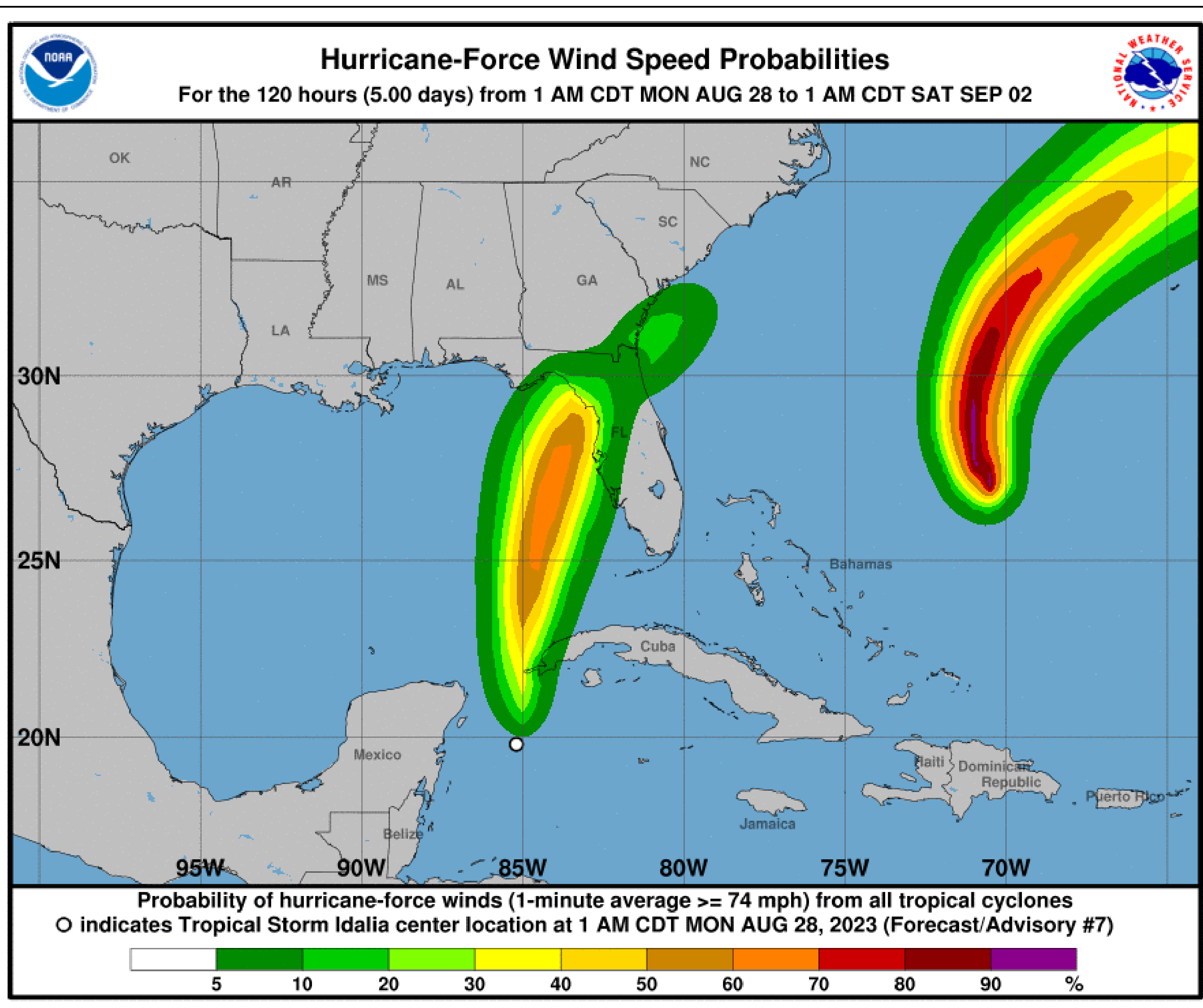
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color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

# Hurricane Wind Speed Probabilities

Tropical Storm Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



■ CHARLESTON SC 5%

■ BEAUFORT SC 5%

■ KINGS BAY GA 15%

Red means  
**increase** in  
probabilities since  
Sunday

■ JACKSONVILLE 5%

■ TAMPA FL 25%

■ CEDAR KEY FL 35%

Black means a **no  
change** in  
probabilities since  
Sunday

■ APALACHICOLA FL 10%

■ 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%.

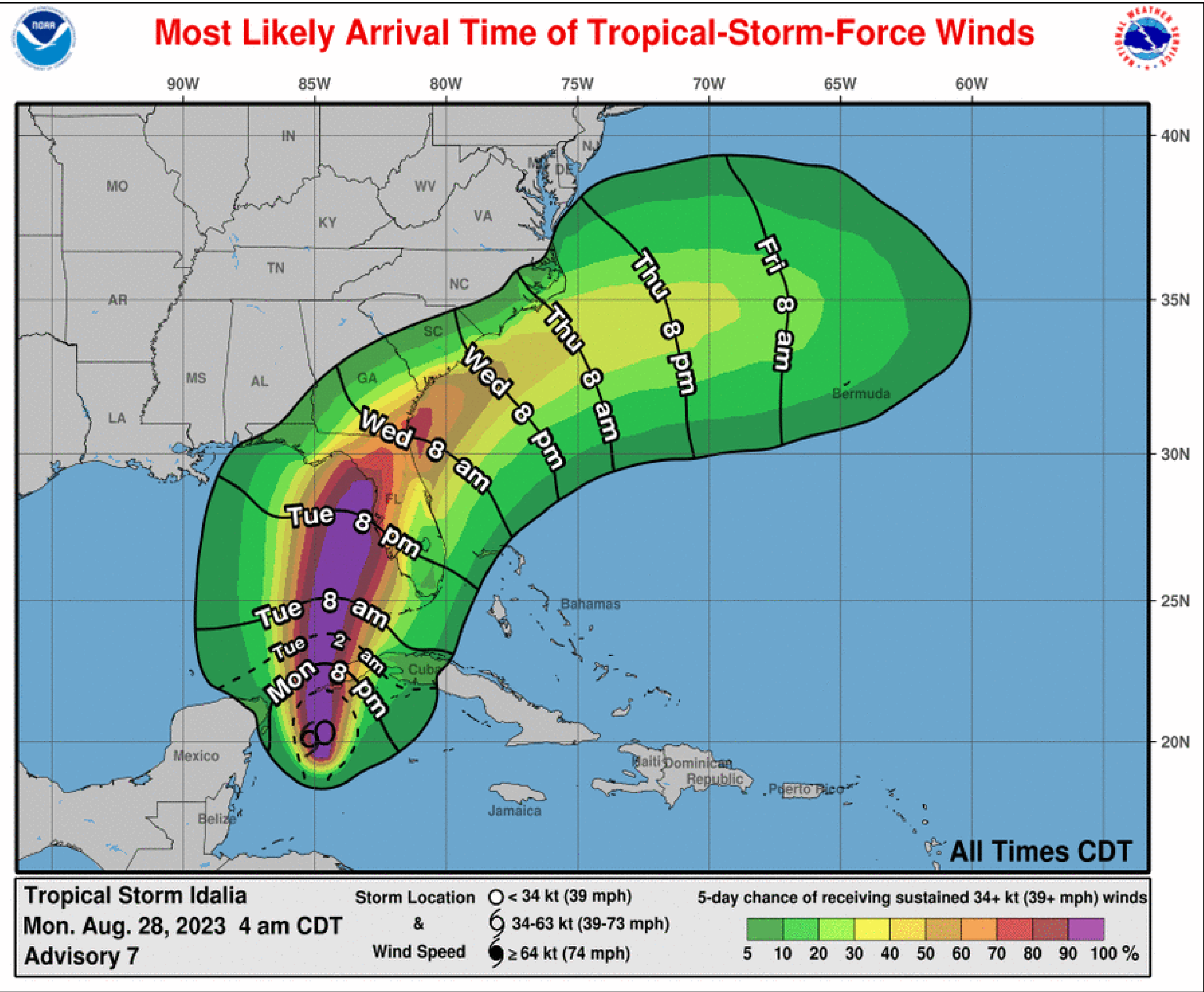
■ Yellow to orange is 31-70%

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

■ See the color bar below the image for more details.



Tropical Storm Idalia



- Key West – Tue morning
- Tampa Bay – Tue night
- Florida Big Bend – Tue night
- Jacksonville – Wed morning
- Charleston – Wed afternoon

- 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.

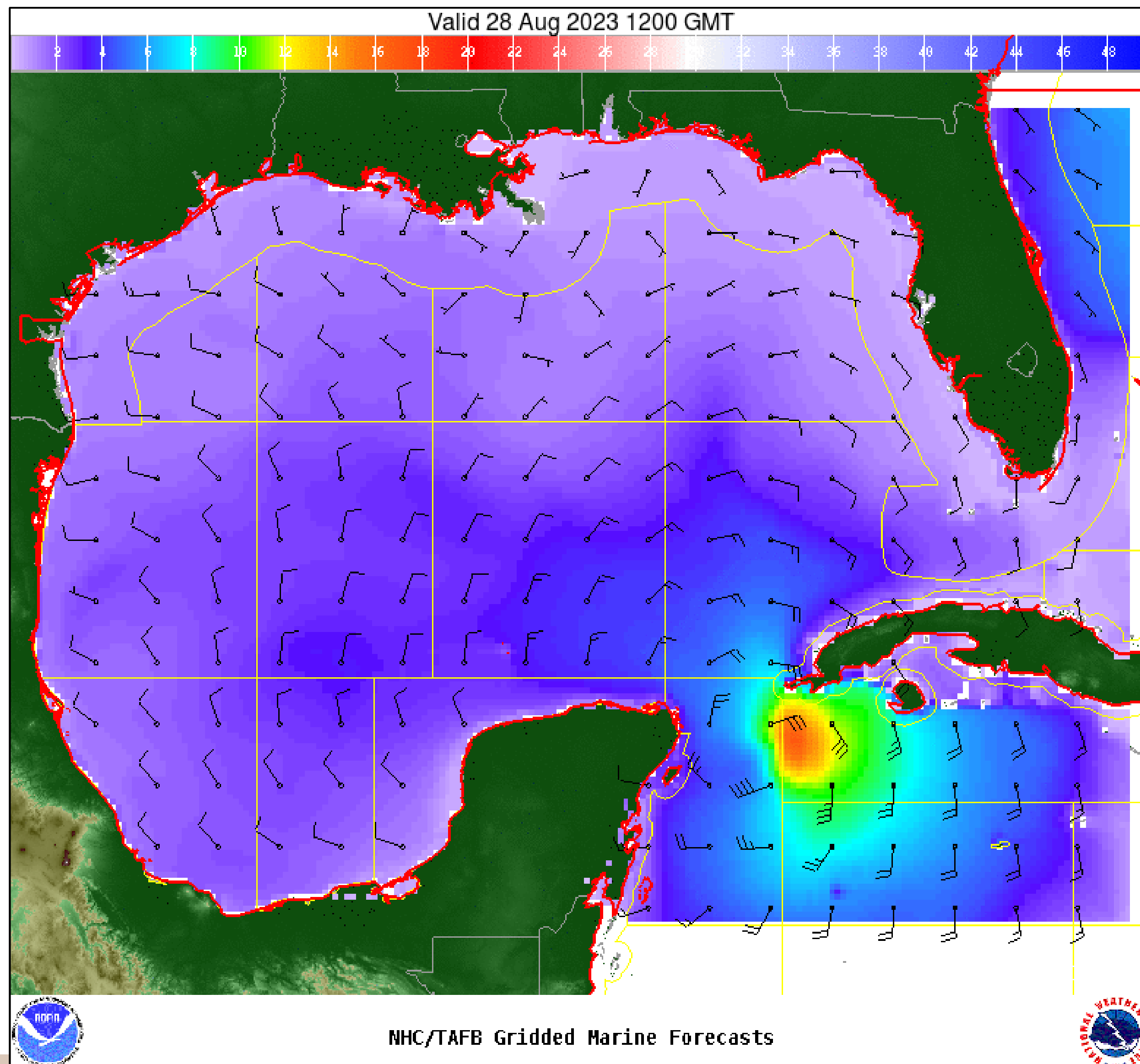


# Wind And Waves

## Tropical Storm Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



### Current Conditions

8am Monday, August 28

Peak Winds: 55 kt

Peak Seas: 20 ft

- Wave heights are in feet



Significant Wave Height (ft)

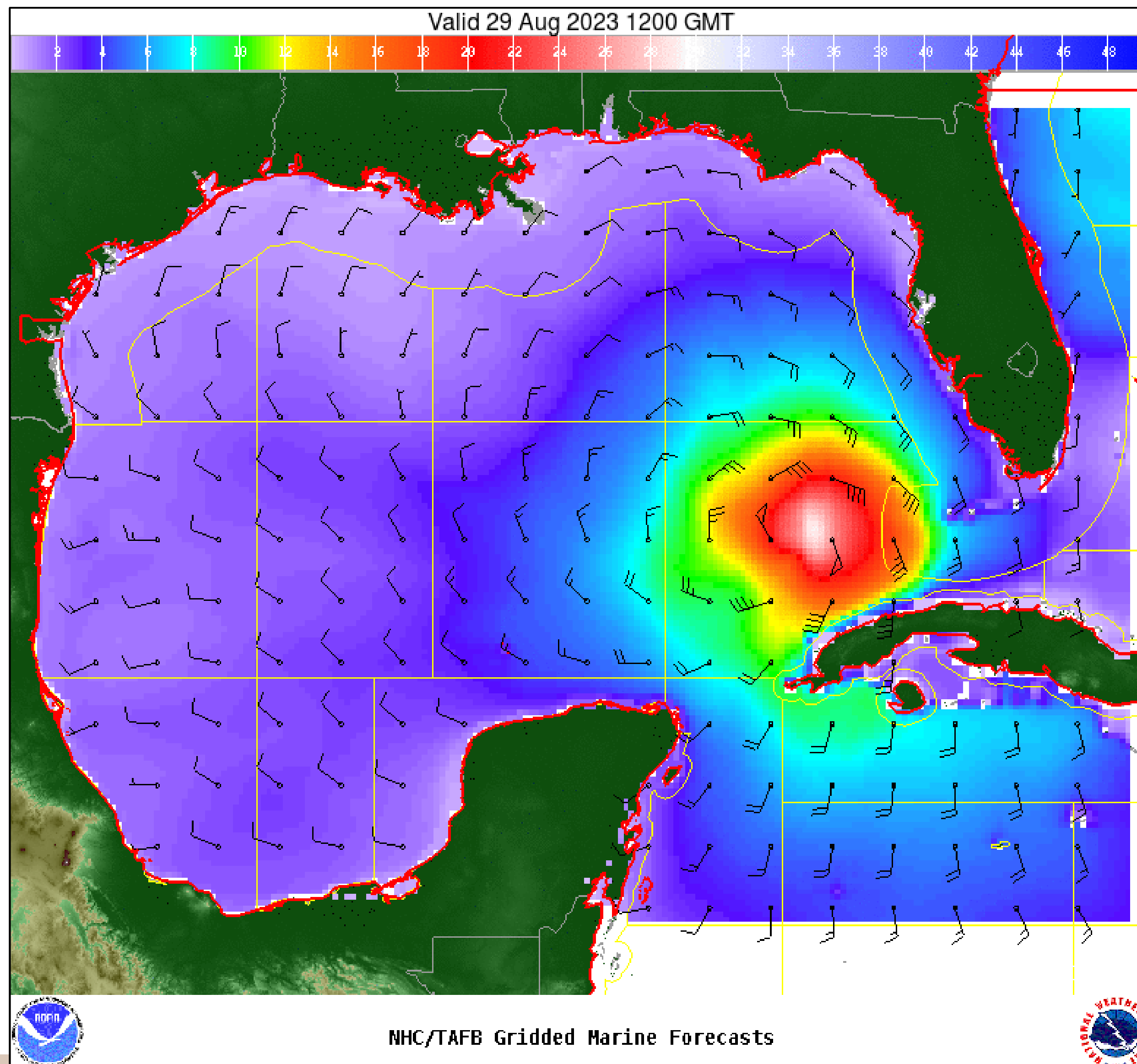


# Wind And Waves

Tropical Storm Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



24 Hour Forecast

8am Tuesday, August 29

Peak Winds: 80 kt

Peak Seas: 30 ft

■ Wave heights are in feet



Significant Wave Height (ft)

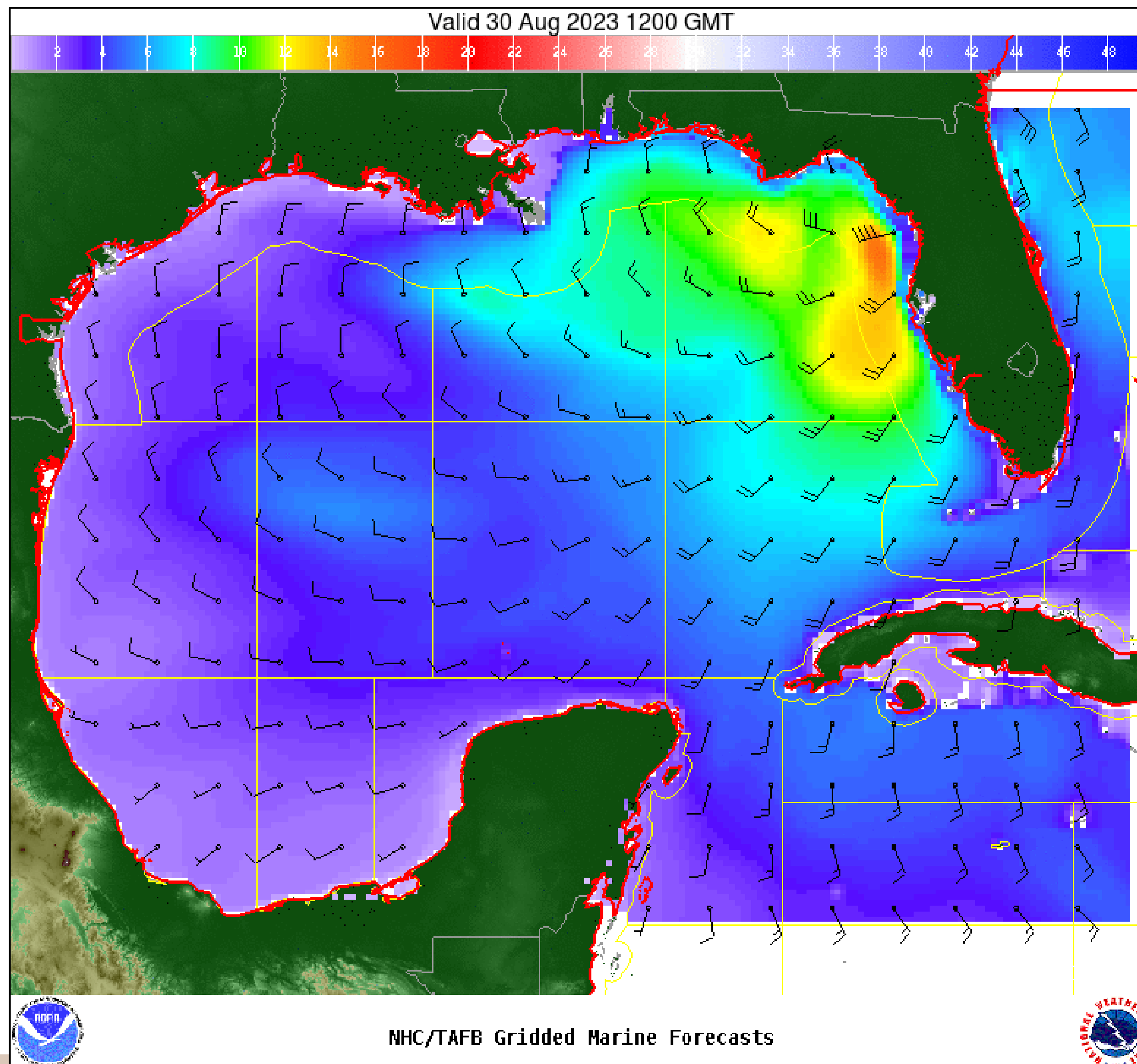


# Wind And Waves

## Tropical Storm Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## 48 Hour Forecast

8am Wednesday, August 30

Peak Winds: 80 kt

Peak Seas: 27 ft

- Wave heights are in feet



Significant Wave Height (ft)

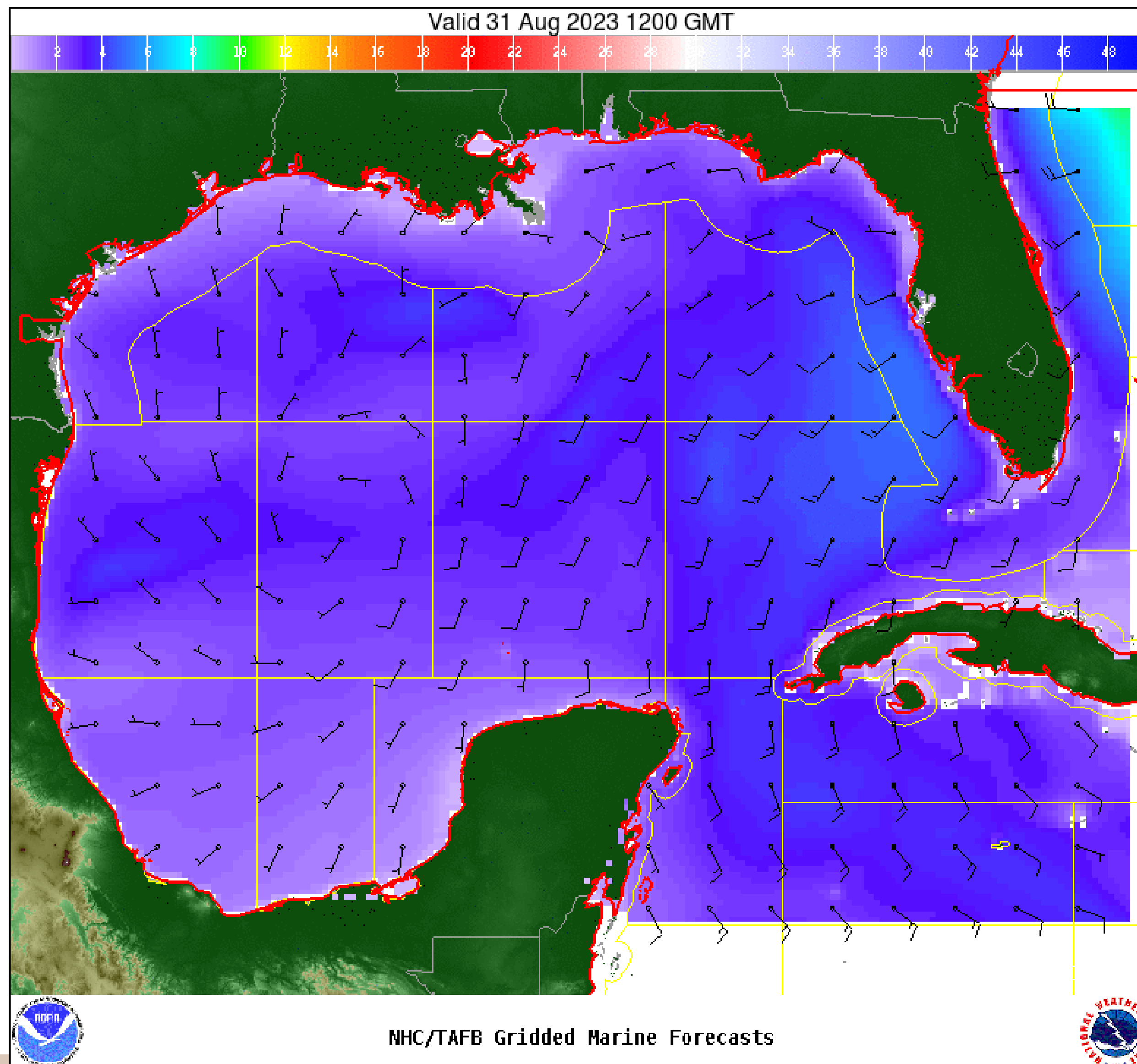


# Wind And Waves

## Tropical Storm Idalia



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NWS National Hurricane Center



## 72 Hour Forecast

8am Thursday, August 31

Peak Winds: 55 kt

Peak Seas: 5 ft

■ Wave heights are in feet



Significant Wave Height (ft)

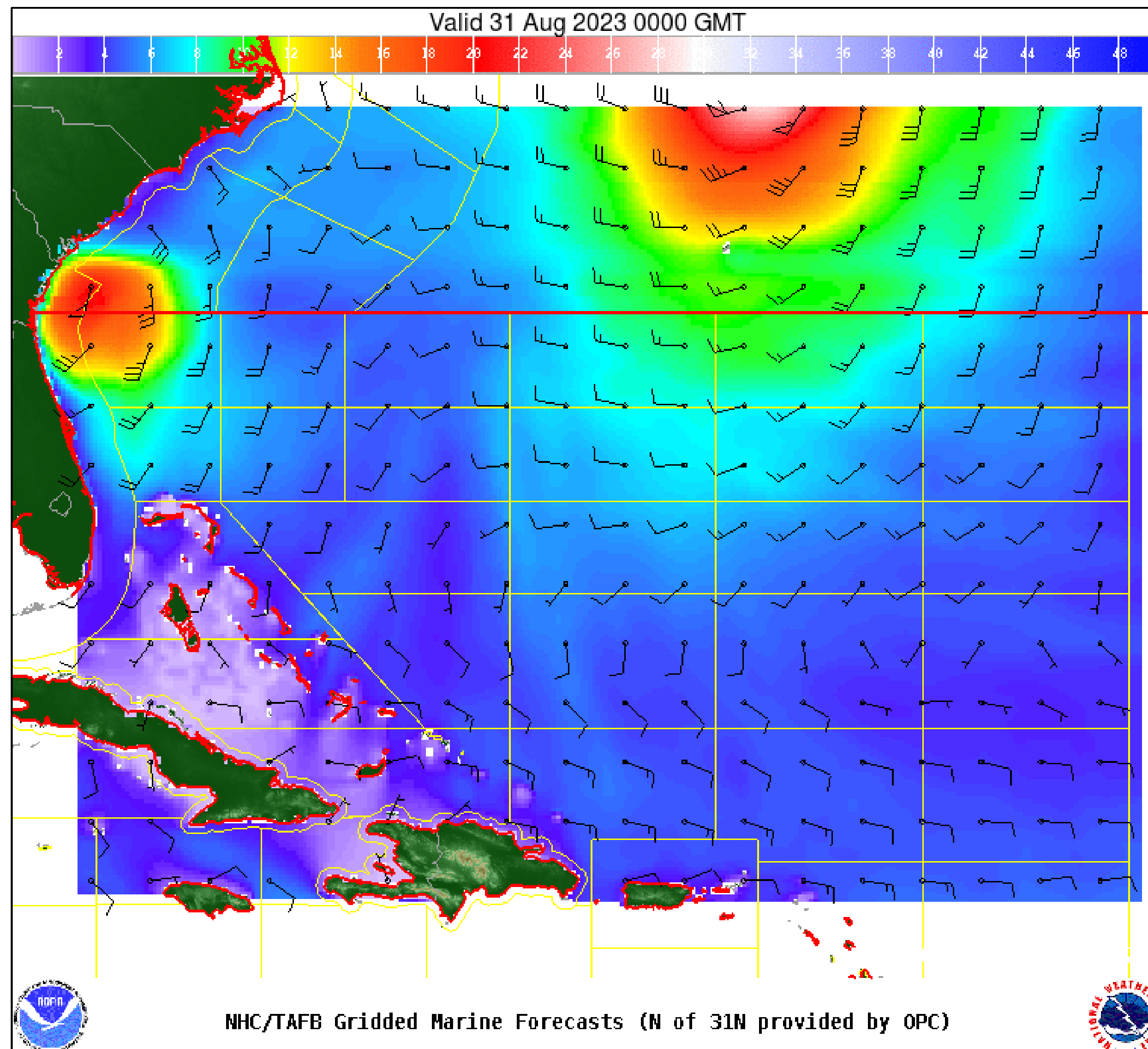


# Wind And Waves

## Tropical Storm Idalia



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NWS National Hurricane Center



## 60 Hour Forecast

8pm Wednesday, August 30

Peak Winds: 55 kt

Peak Seas: 20 ft

- Wave heights are in feet



Significant Wave Height (ft)

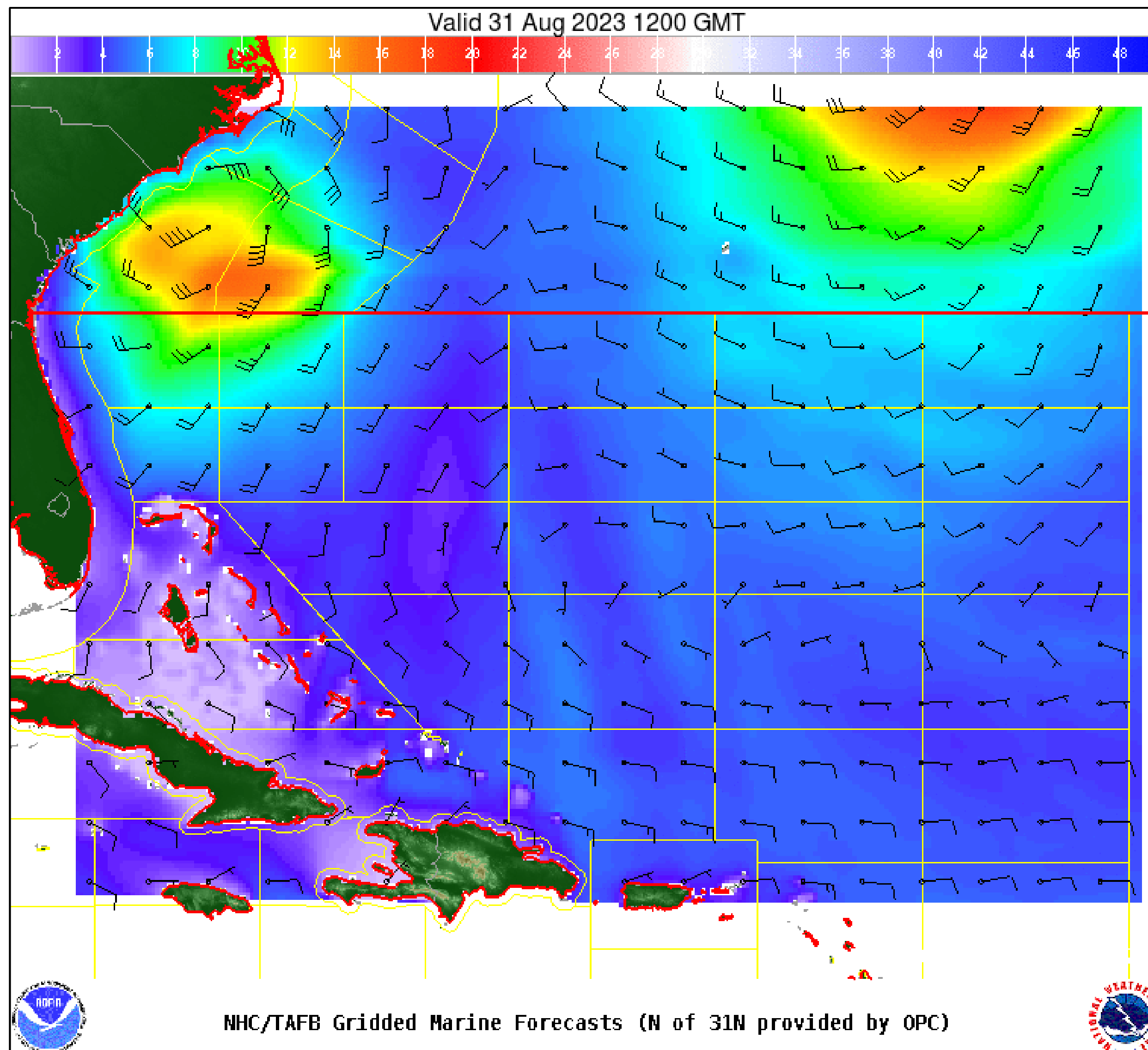


# Wind And Waves

Tropical Storm Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



72 Hour Forecast

8am Thursday, August 31

Peak Winds: 55 kt

Peak Seas: 5-8 ft

■ Wave heights are in feet



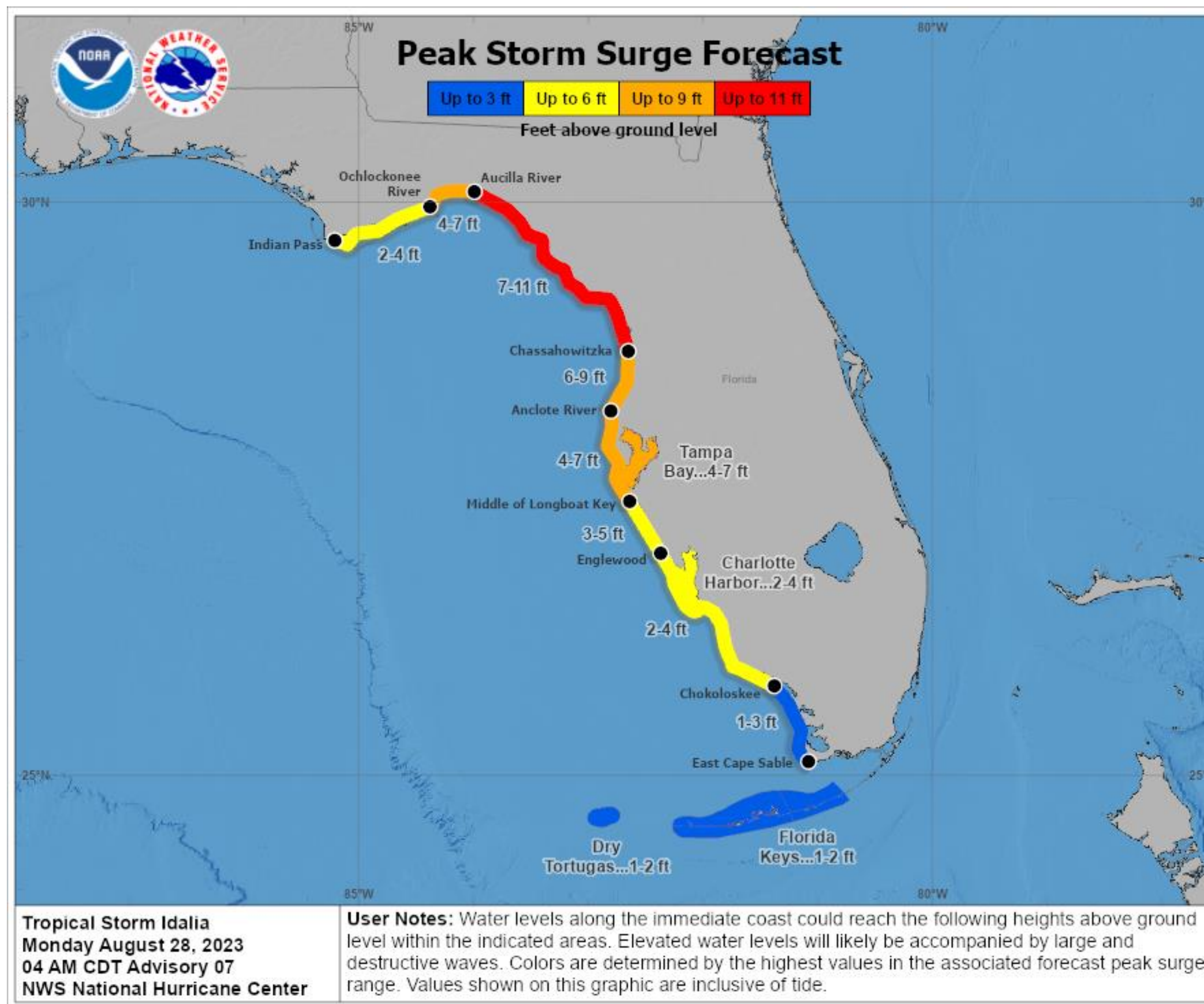
Significant Wave Height (ft)

# Peak Storm Surge Forecast

Tropical Storm Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center





# Storm Surge Watches and Warnings

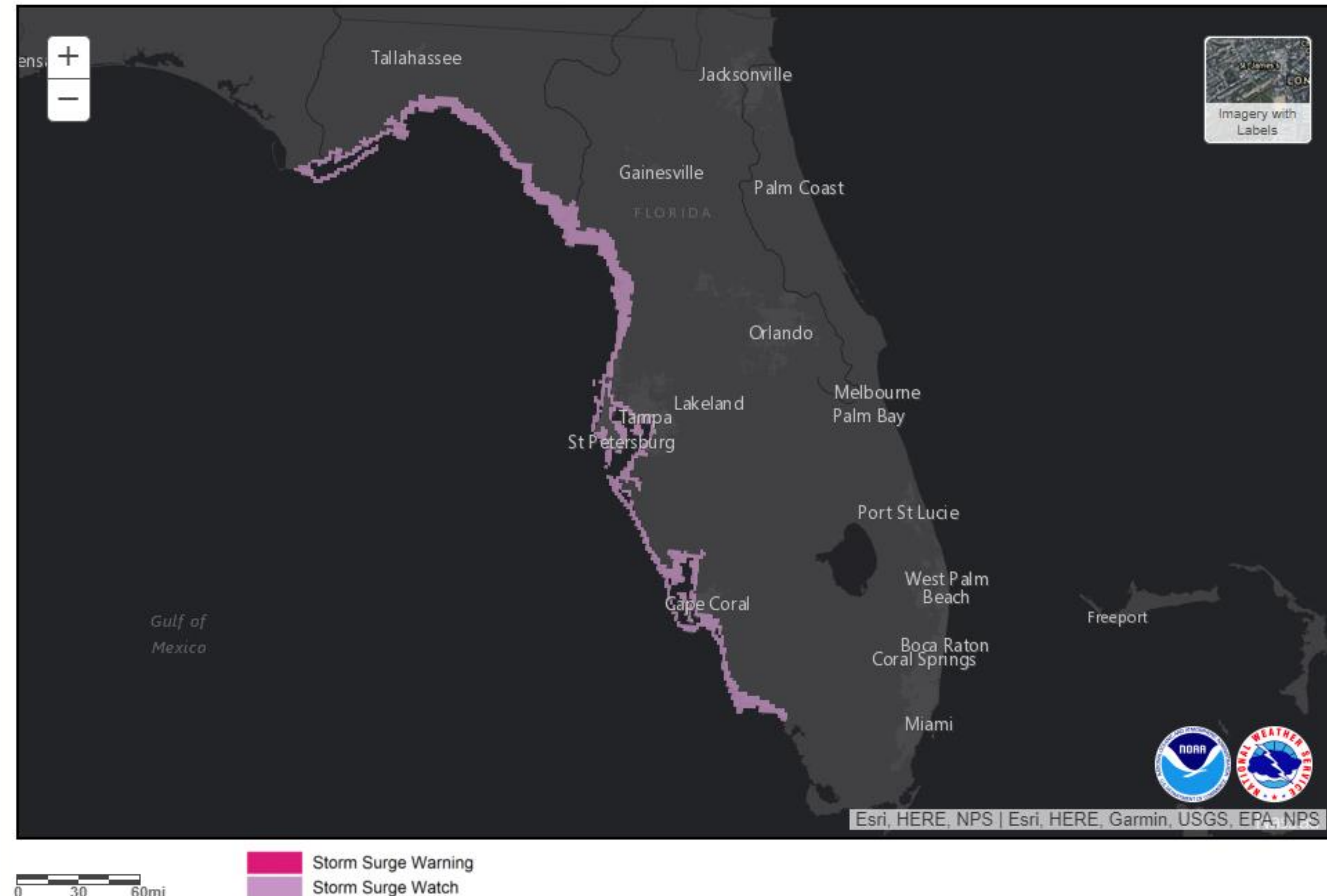


Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

## Tropical Storm Idalia

### Storm Surge Watch/Warning Graphic\*

Tropical Storm Idalia  
Advisory 007 Issued: 4:00 AM CDT Mon Aug 28



A Storm Surge Watch is in effect for...

\* Chokoloskee to Indian Pass Florida,  
including Tampa Bay

*A Storm Surge Watch means there is a possibility of life-threatening inundation, from rising water moving inland from the coastline, in the indicated locations during the next 48 hours.*

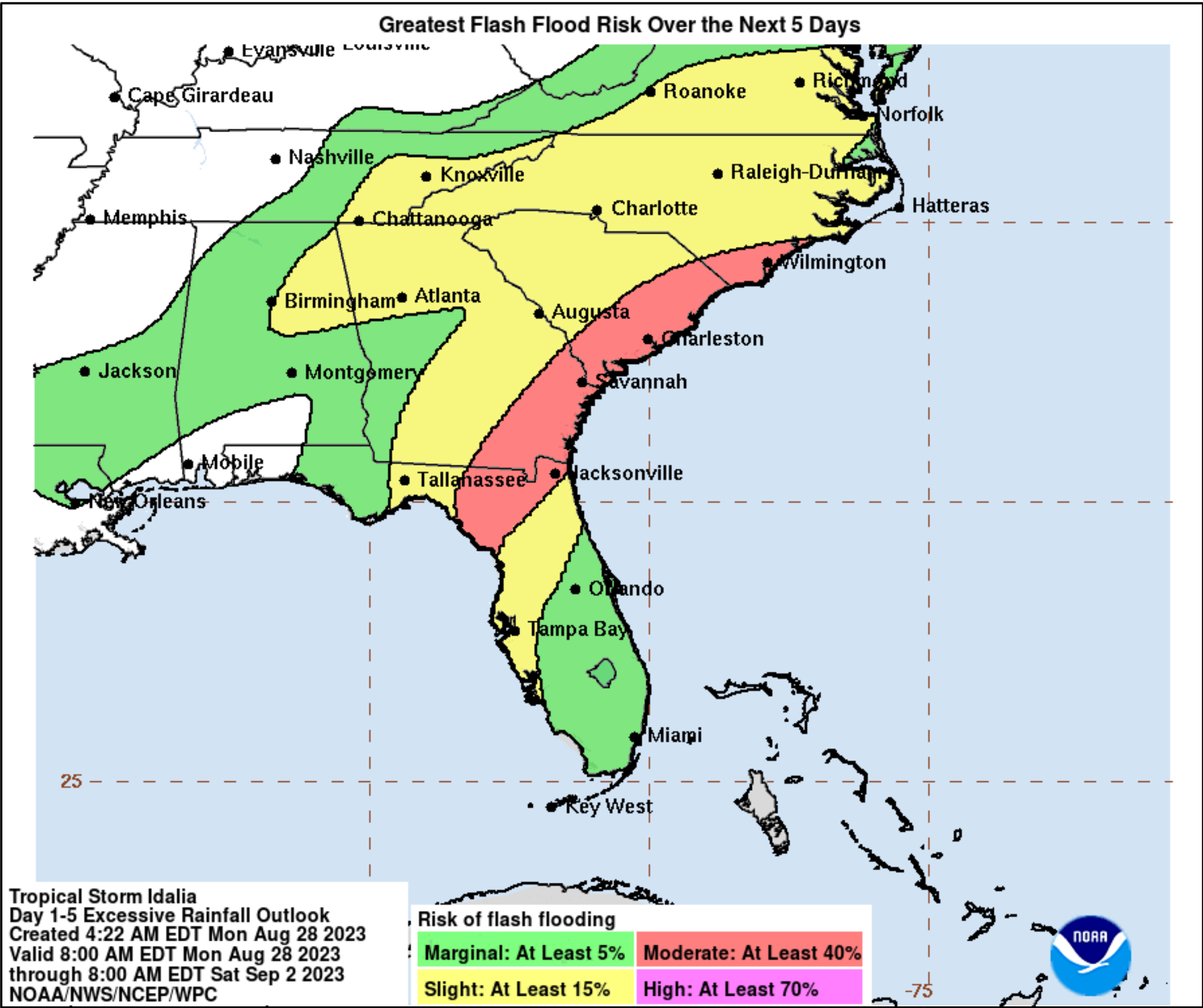
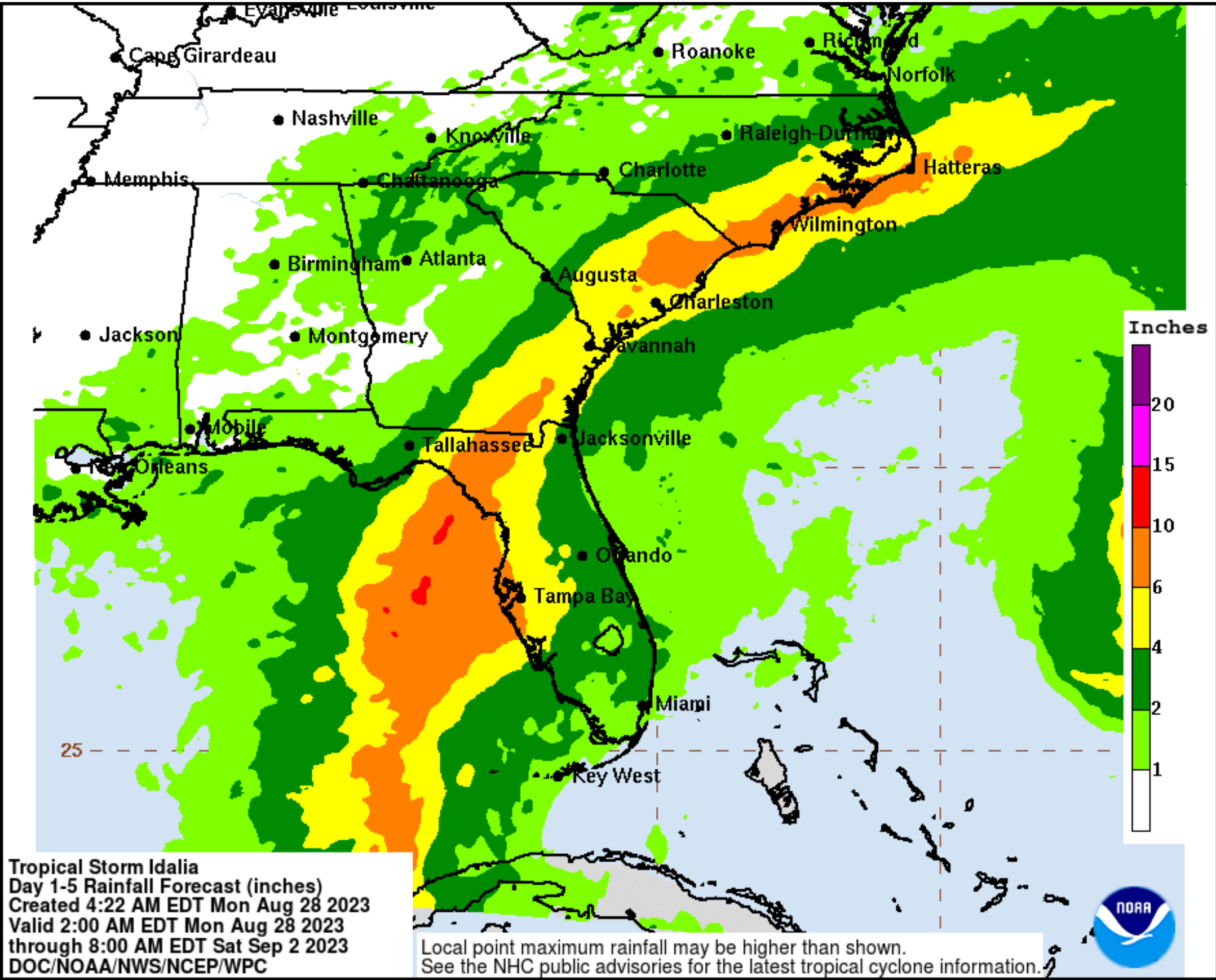
# Expected Storm Total Rainfall and Chance of Rainfall Flooding

Tropical Storm Idalia

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Rainfall map valid through 8am Saturday, Sept 2



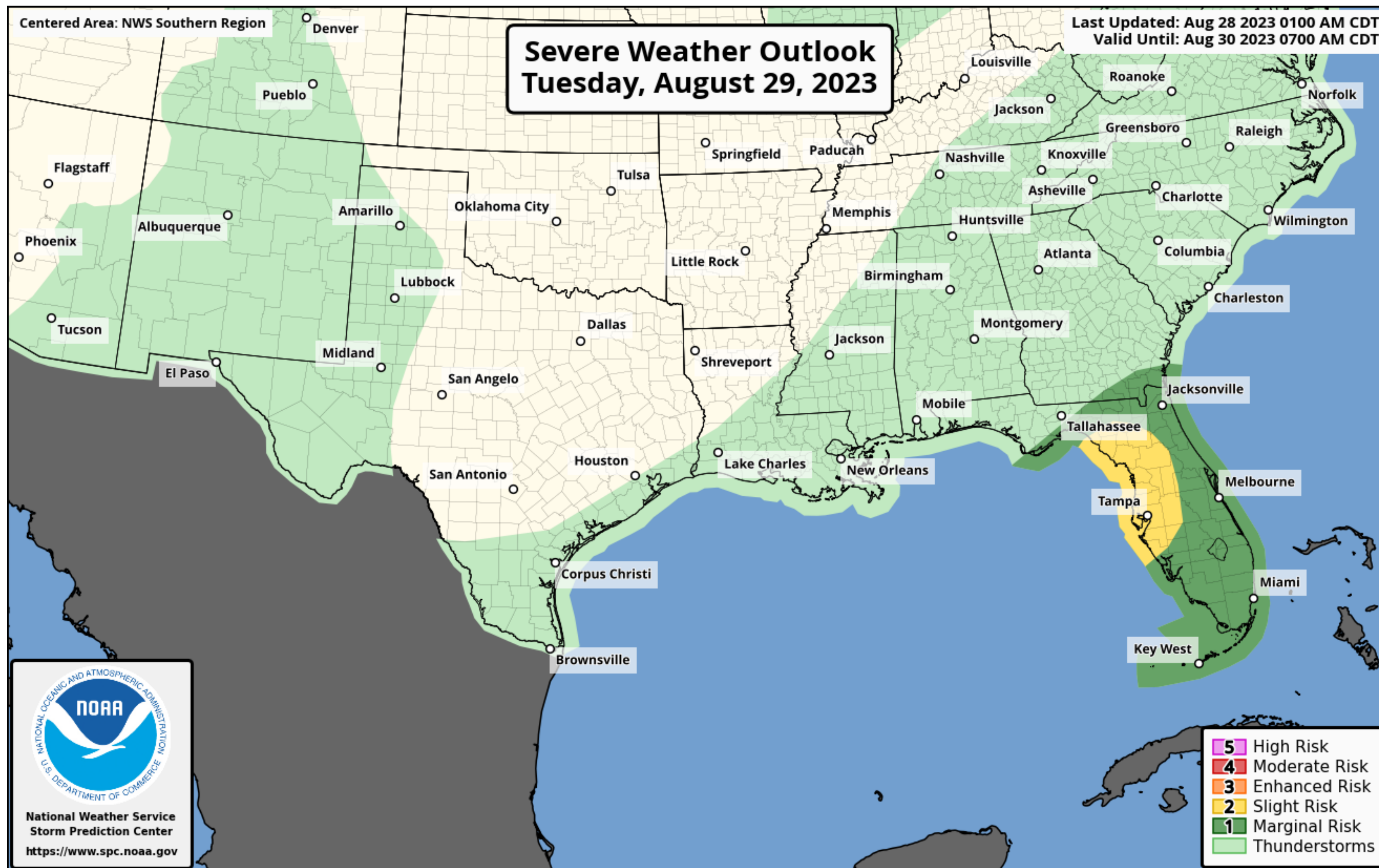
# Tornado Outlook – Day 2

Tropical Storm Idalia

Image from NWS Storm Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Severe Weather  
Outlook valid on  
Tuesday, Aug 29



# Key Messages

## Tropical Storm Idalia



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

### Key Messages for Tropical Storm Idalia

Advisory 7: 4:00 AM CDT Mon Aug 28, 2023

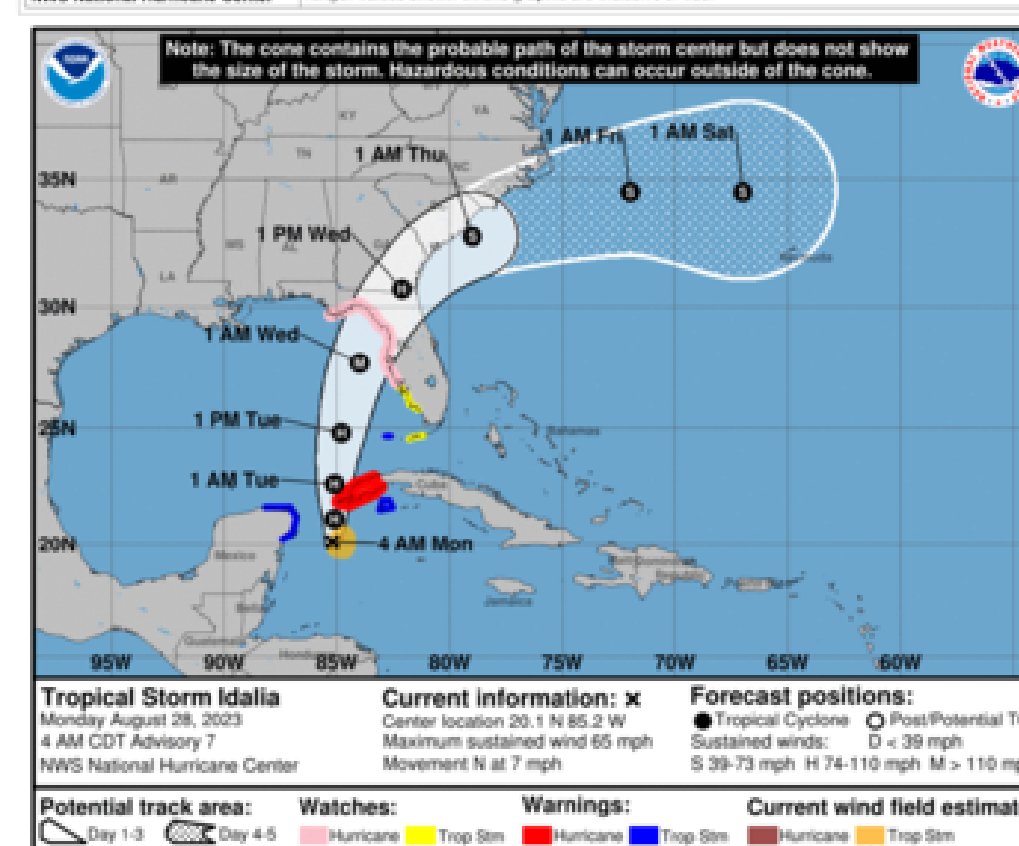
1. Idalia is now forecast to become a major hurricane before it reaches the Gulf coast of Florida. The risk continues to increase for life-threatening storm surge and dangerous hurricane-force winds along portions of the west coast of Florida and the Florida Panhandle beginning as early as late Tuesday. Storm surge and hurricane watches are in effect for portions of the west coast of Florida and the coast of the Florida Panhandle, and residents in these areas should monitor updates to the forecast and follow any advice given by local officials.

2. Areas of flash and urban flooding, some of which may be locally significant, are expected across portions of the west coast of Florida, the Florida Panhandle, and southern Georgia Tuesday into Wednesday, spreading into portions of the eastern Carolinas Wednesday into Thursday.

3. Hurricane-force winds are expected across portions of far western Cuba later today. Heavy rainfall is also expected across portions of western Cuba and may produce areas of flash and urban flooding as well as landslides across western Cuba.



**Peak Storm Surge Forecast**  
Feet above ground level  
Up to 5 ft 5 to 6 ft 6 to 8 ft 8 to 10 ft 10 to 15 ft



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

### IMPACTS FOR **D7** (through next 5 days)

Winds – **Extreme**

Storm Surge – **Extreme**

Rainfall/Flash Flooding – **High**

Tornadoes – **Medium**

Waves - **Extreme**

### Marine Key Messages:

#### Gulf:

- Seas will quickly build to over 20 ft tonight into Tue in the SE Gulf as Idalia moves northward
- Seas are expected to be near 30 ft as Idalia nears the west coast of Florida
- Conditions will improve over the eastern Gulf by Wed night into Thu

#### Atlantic:

- Seas are expected to quickly build off the NE Florida coast on Wed around 20 ft
- Conditions will improve off the NE Florida coast by Thu morning





# TROPICAL STORM IDALIA BRIEFING

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

*The Next Briefing Will Be:  
Monday, 4:00 PM EST*

*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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