

IMPACTS FOR D7 (through next 5 days)

Winds – Extreme

Storm Surge – Extreme

Rainfall/Flash Flooding – High

Tornadoes – Medium

Waves - Extreme

TROPICAL STORM IDALIA BRIEFING

4:00 PM EDT

Monday, August 28, 2023

Prepared by:

Amanda Reinhart

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

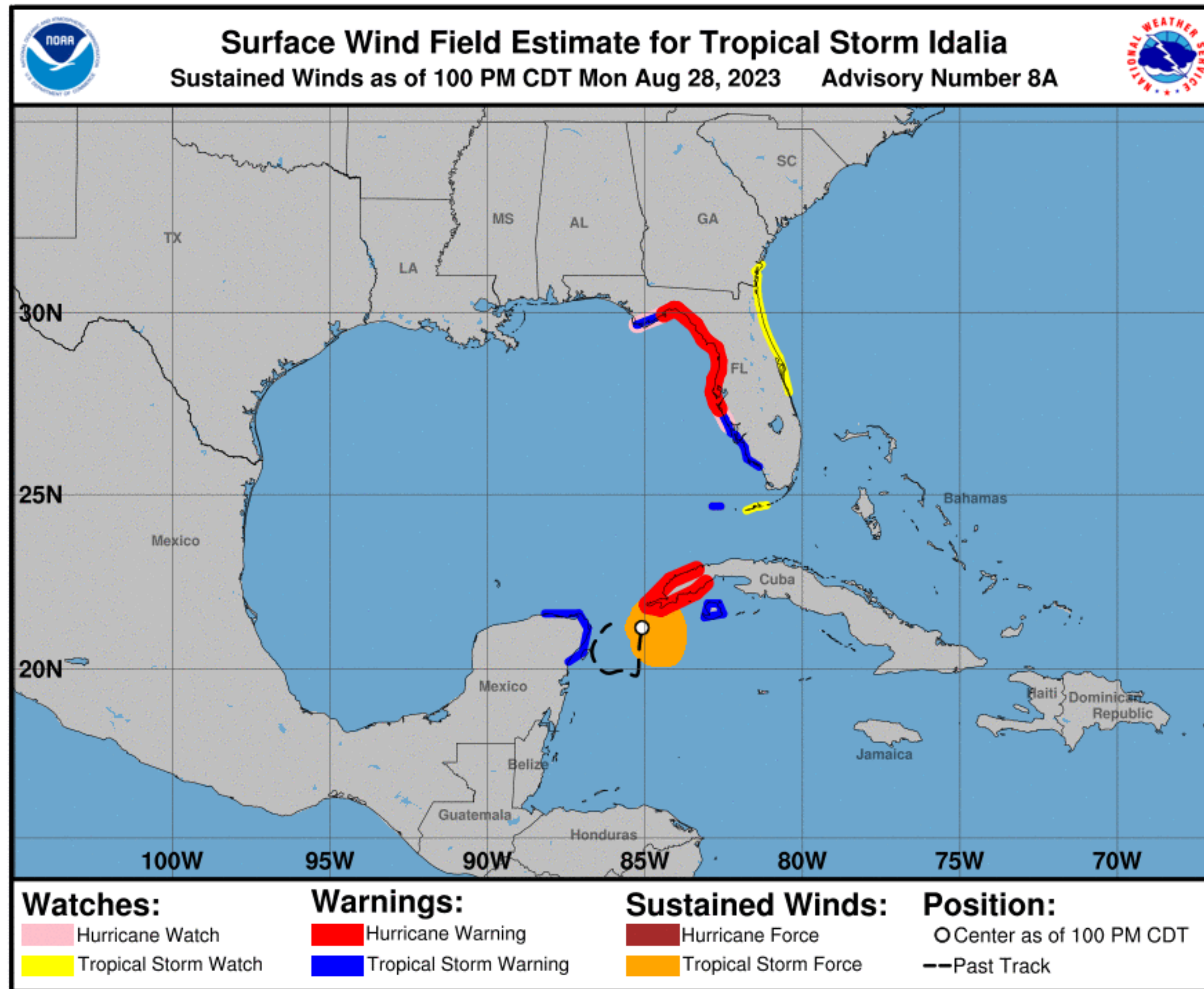


Situation Overview

Tropical Storm Idalia



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...Idalia strengthening as it nears the western tip of Cuba...

...Life-threatening storm surge and dangerous winds becoming increasingly likely for portions of Florida...

Summary of 200pm EDT Information

Location...21.2N 85.1W

About 45 nm SSW of the western tip of Cuba

About 280 nm SSW of the Dry Tortugas

Maximum Sustained Winds...60 kt

Present Movement...N at 7 kt

Peak Seas:

34 KT..... 70NE 90SE 30SW 30NW

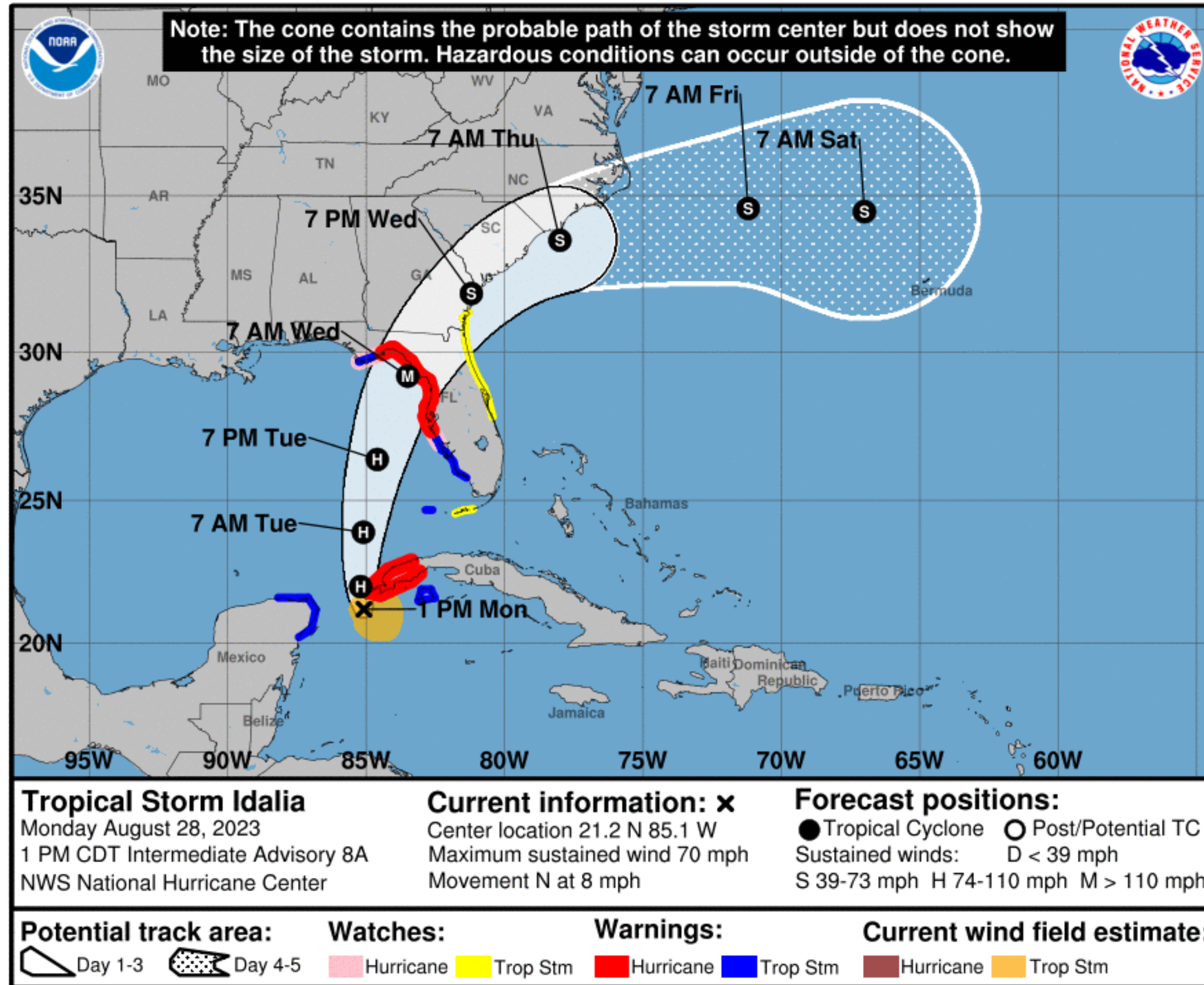
12 FT SEAS... 60NE 60SE 30SW 60NW

Forecast Information

Tropical Storm Idalia



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NWS National Hurricane Center



- Idalia will continue moving 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 this evening and increasingly likely to become a major hurricane in the eastern Gulf before landfall on Tue night/Wed morning
- Dangerous storm surge and hurricane conditions are expected within portions of the Hurricane Warning area along the Florida Gulf coast
- Strong winds are expected to spread inland across portions of northern Florida near the center of Idalia
- 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.

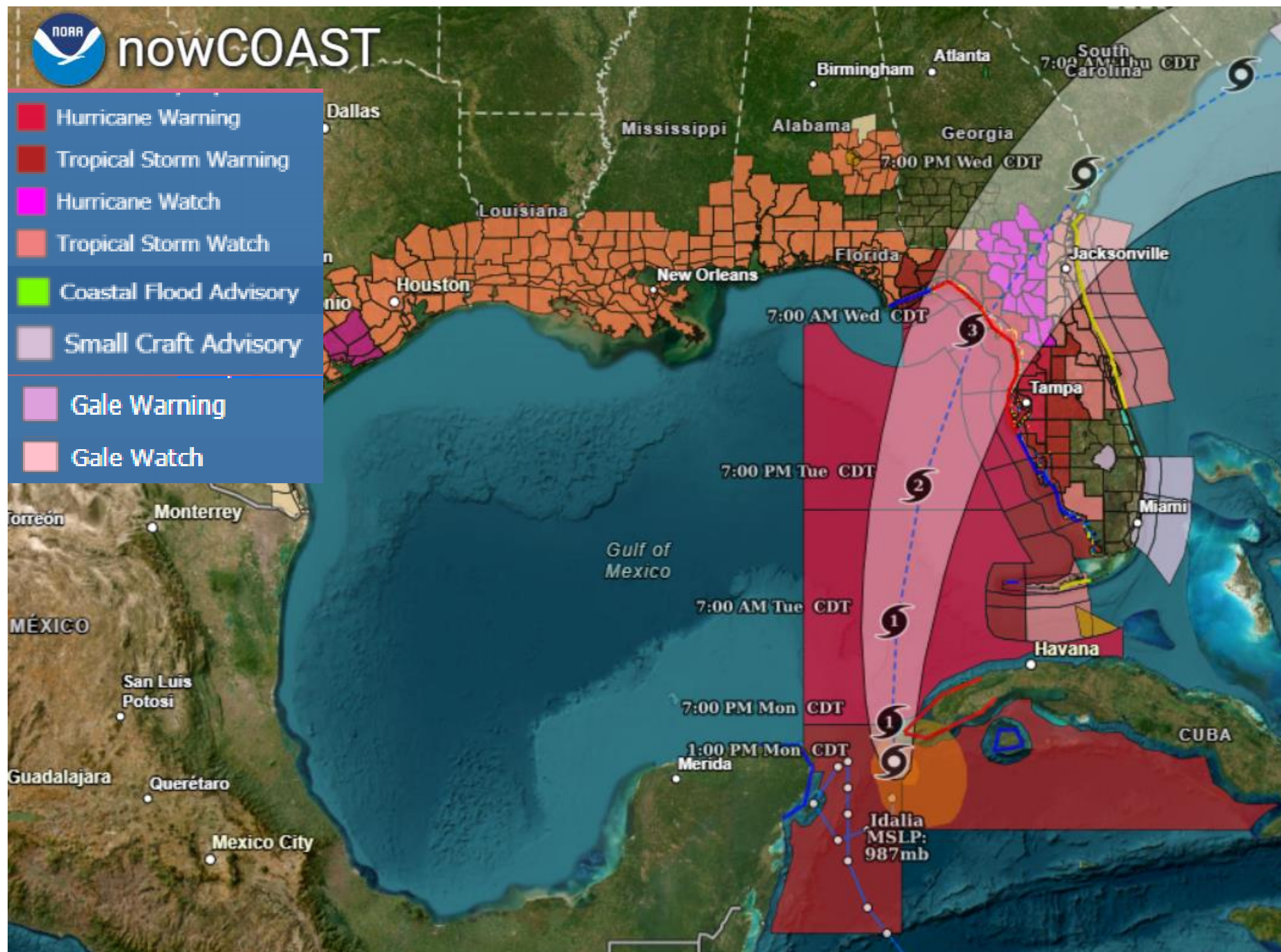
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Hazards Map

Tropical Storm Idalia



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A **Hurricane Warning** is in effect for...

- * Middle of Longboat Key northward to the Ochlockonee River, including Tampa Bay

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

- * Dry Tortugas Florida
- * Chokoloskee northward to the Middle of Longboat Key
- * West of the Ochlockonee River westward to Indian Pass
- * South of the Middle of Longboat Key to Chokoloskee Florida
- * West of the Ochlockonee River westward to Indian Pass

A **Hurricane Watch** is in effect for...

- * Englewood to the Middle of Longboat Key
- * West of the Ochlockonee River westward to Indian Pass

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

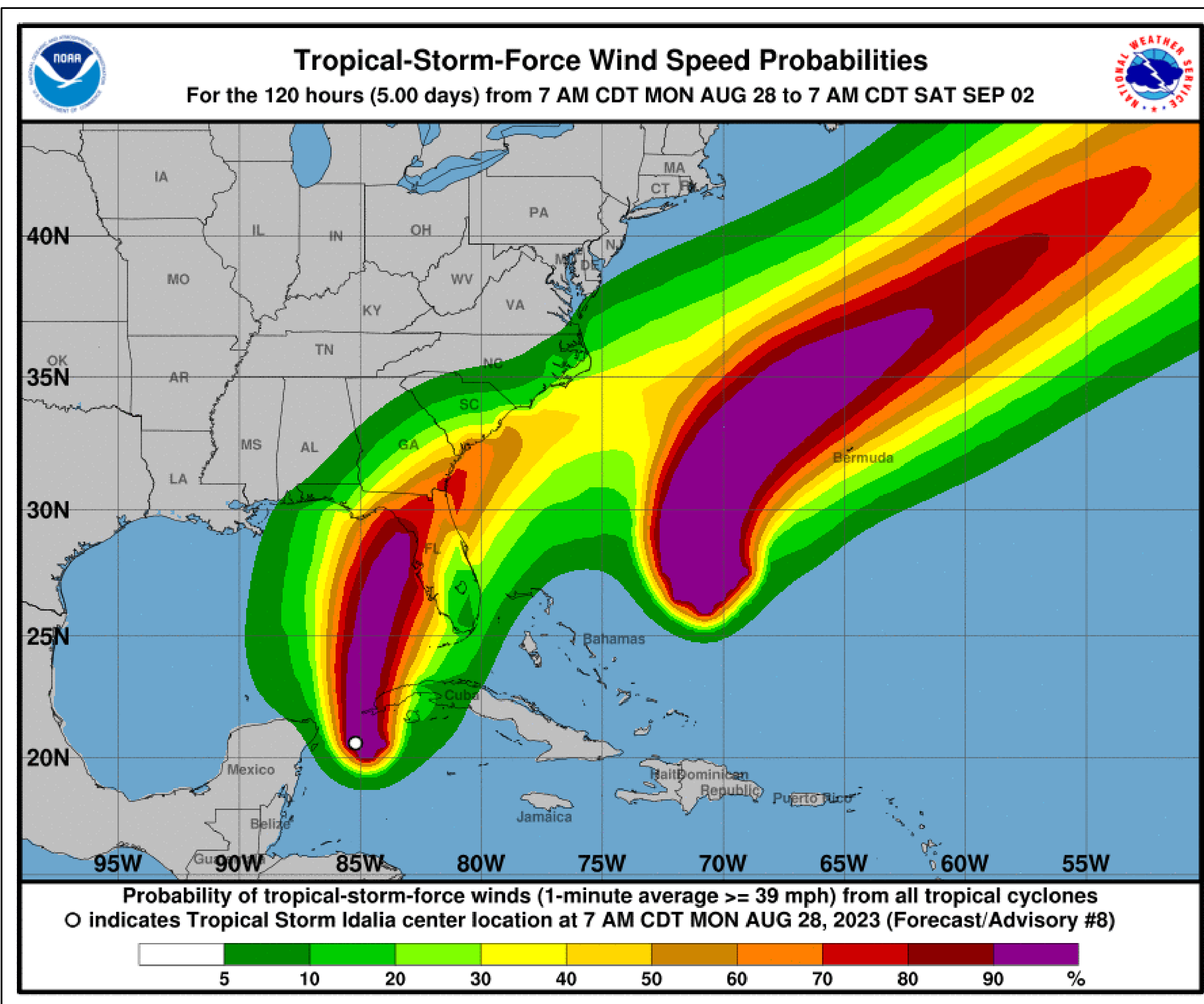
- * Lower Florida Keys west of the west end of the Seven Mile Bridge
- * Sebastian Inlet Florida northward to Altamaha Sound Georgia

T.S. Wind Speed Probabilities

Tropical Storm Idalia



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- **CHARLESTON SC 55%**
- **BEAUFORT SC 60%**
- **SAVANNAH GA 45%**
- **KINGS BAY GA 80%**
- JACKSONVILLE 60%
- COCOA BEACH FL 45%
- FT LAUDERDALE 20%
- MIAMI FL 10%
- KEY WEST FL 30%
- **NAPLES FL 50%**

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

- **TALLAHASSEE FL 40%**
- **APALACHICOLA FL 55%**
- **PANAMA CITY FL 40%**
- **PENSACOLA FL 5%**

Red means **increase** in probabilities since Sunday

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

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

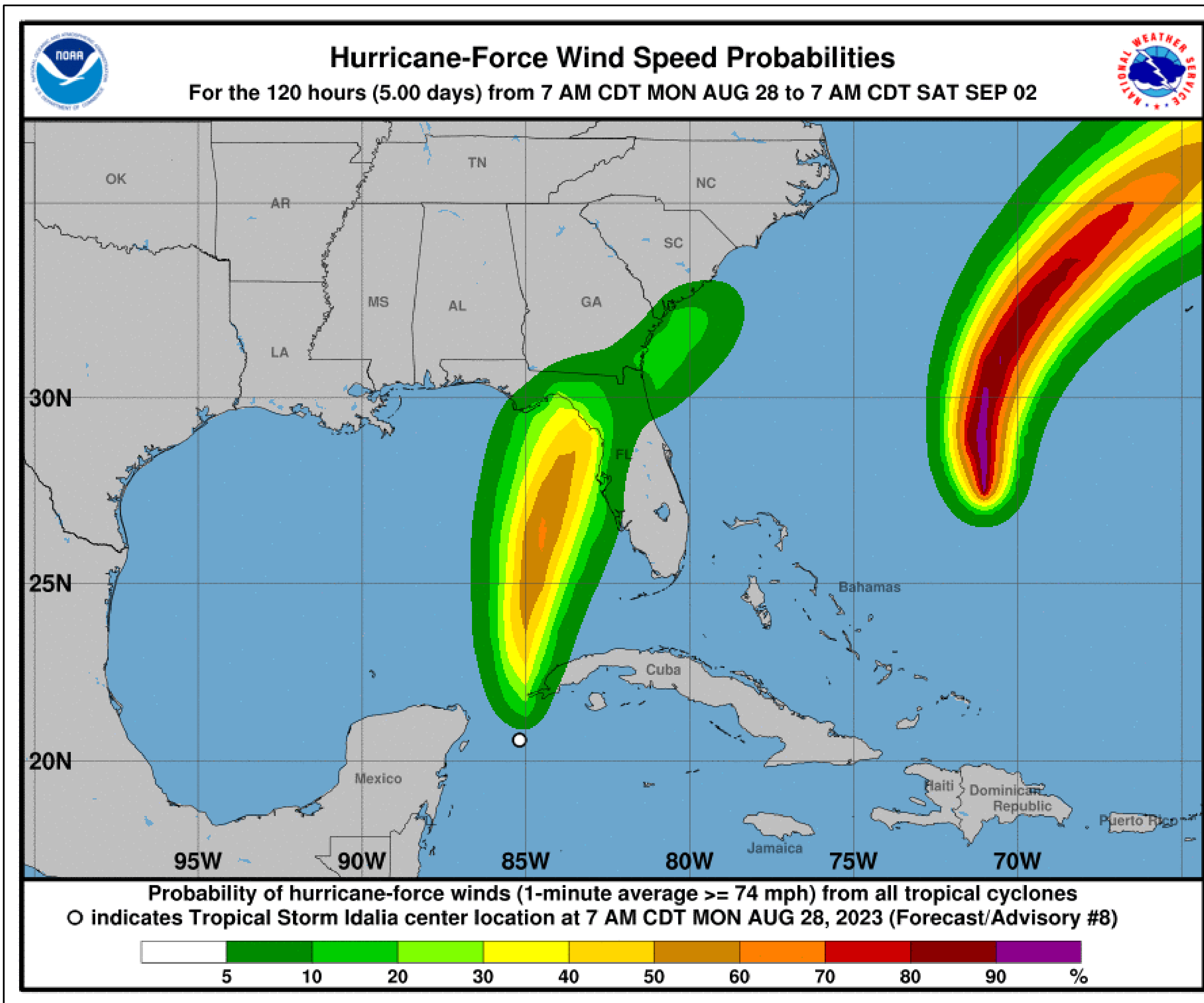
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color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

- JACKSONVILLE 5%
- TAMPA FL 20%
- CEDAR KEY FL 40%

- TALLAHASSEE FL 5%
- APALACHICOLA FL 10%
- PANAMA CITY FL 5%

Red means increase in probabilities since Sunday

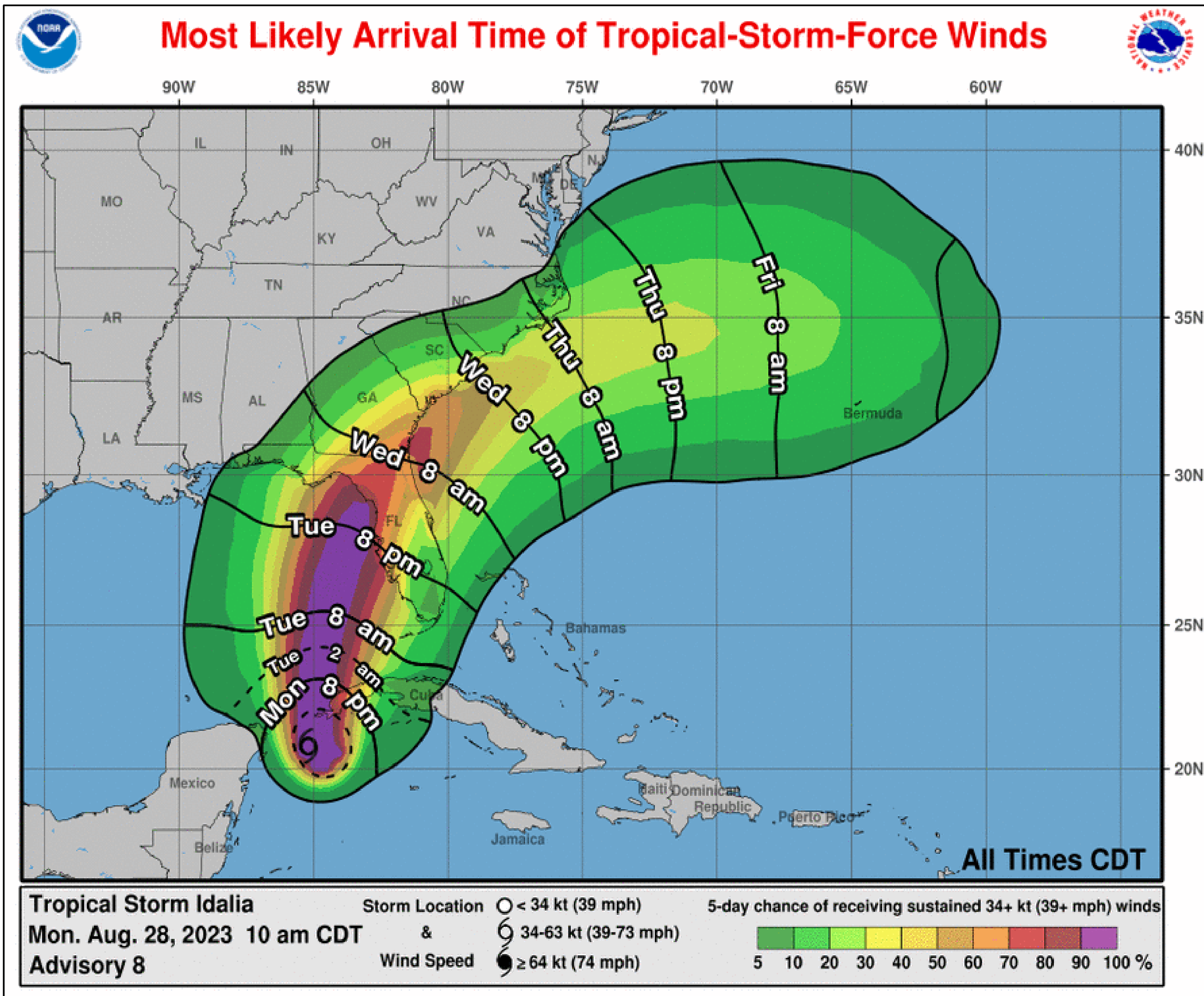
Green means a decrease in probabilities since Sunday

Black means a no change in probabilities since Sunday

- 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

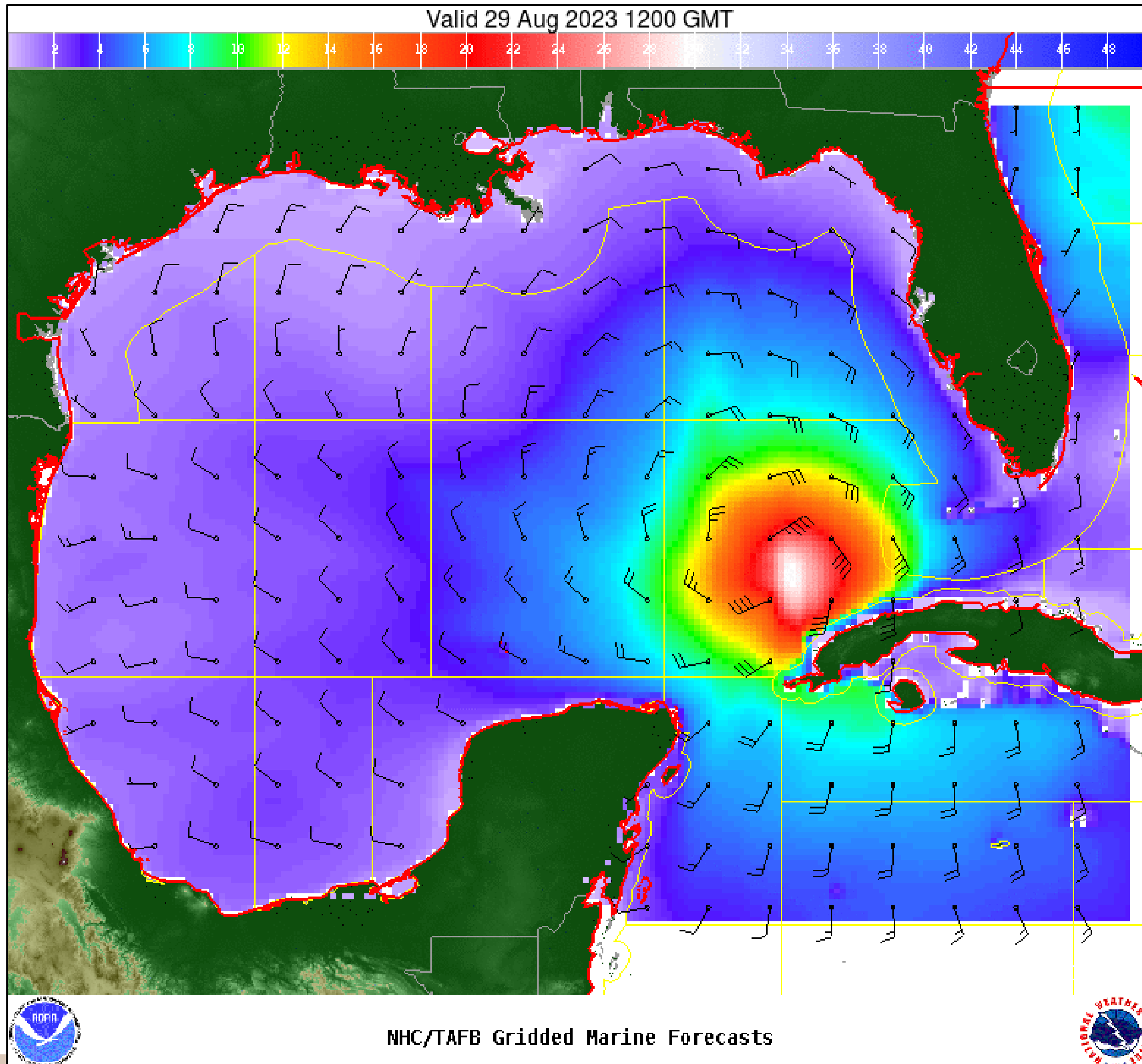
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color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

Wind And Waves

Tropical Storm Idalia



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



36 Hour Forecast

8am Tuesday, August 29

Peak Winds: 75 kt

Peak Seas: 22 ft

■ Wave heights are in feet



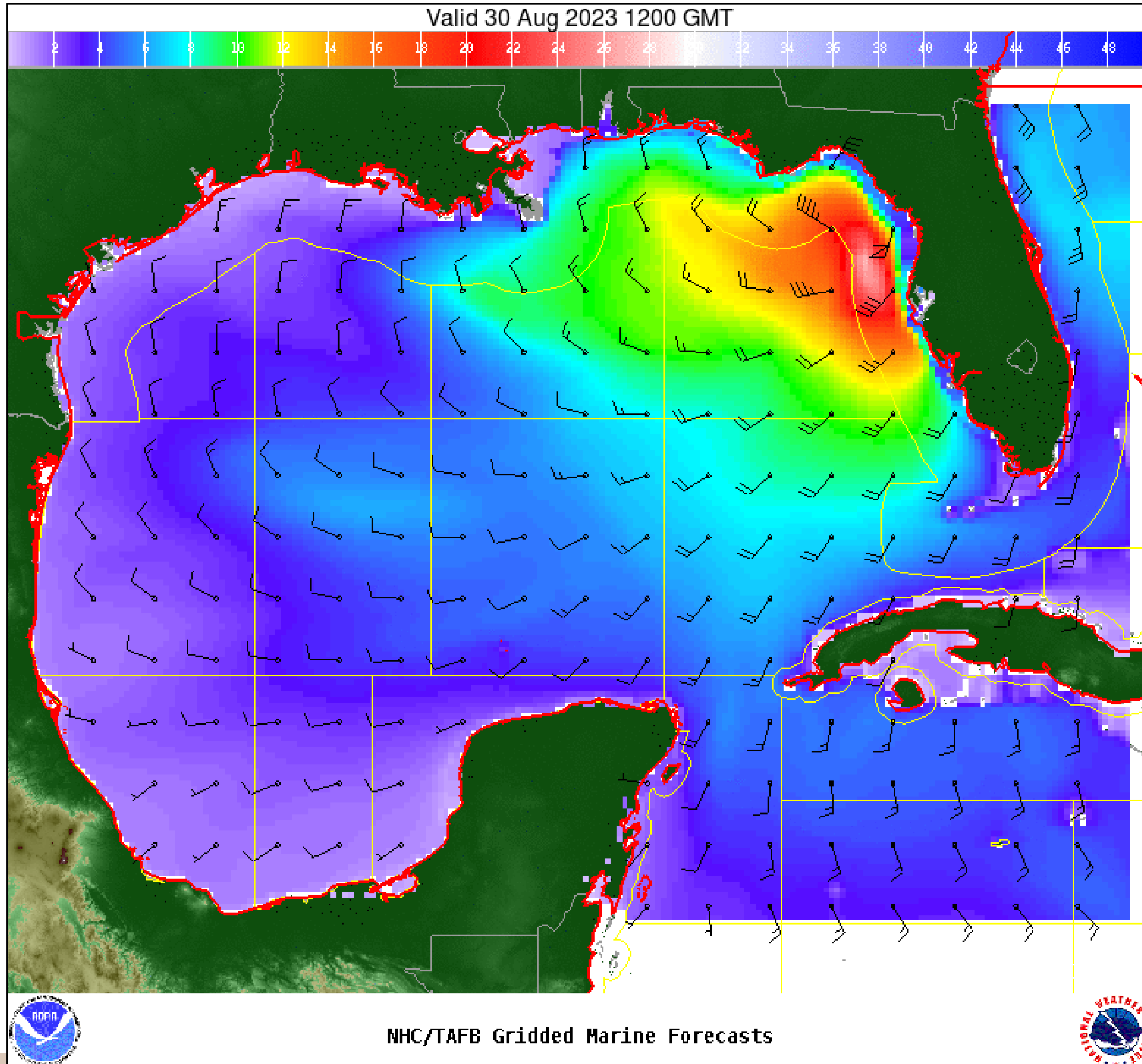
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Idalia



Tropical Analysis and Forecast Branch
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60 Hour Forecast

8am Wednesday, August 30

Peak Winds: 100 kt

Peak Seas: 30 ft

■ Wave heights are in feet



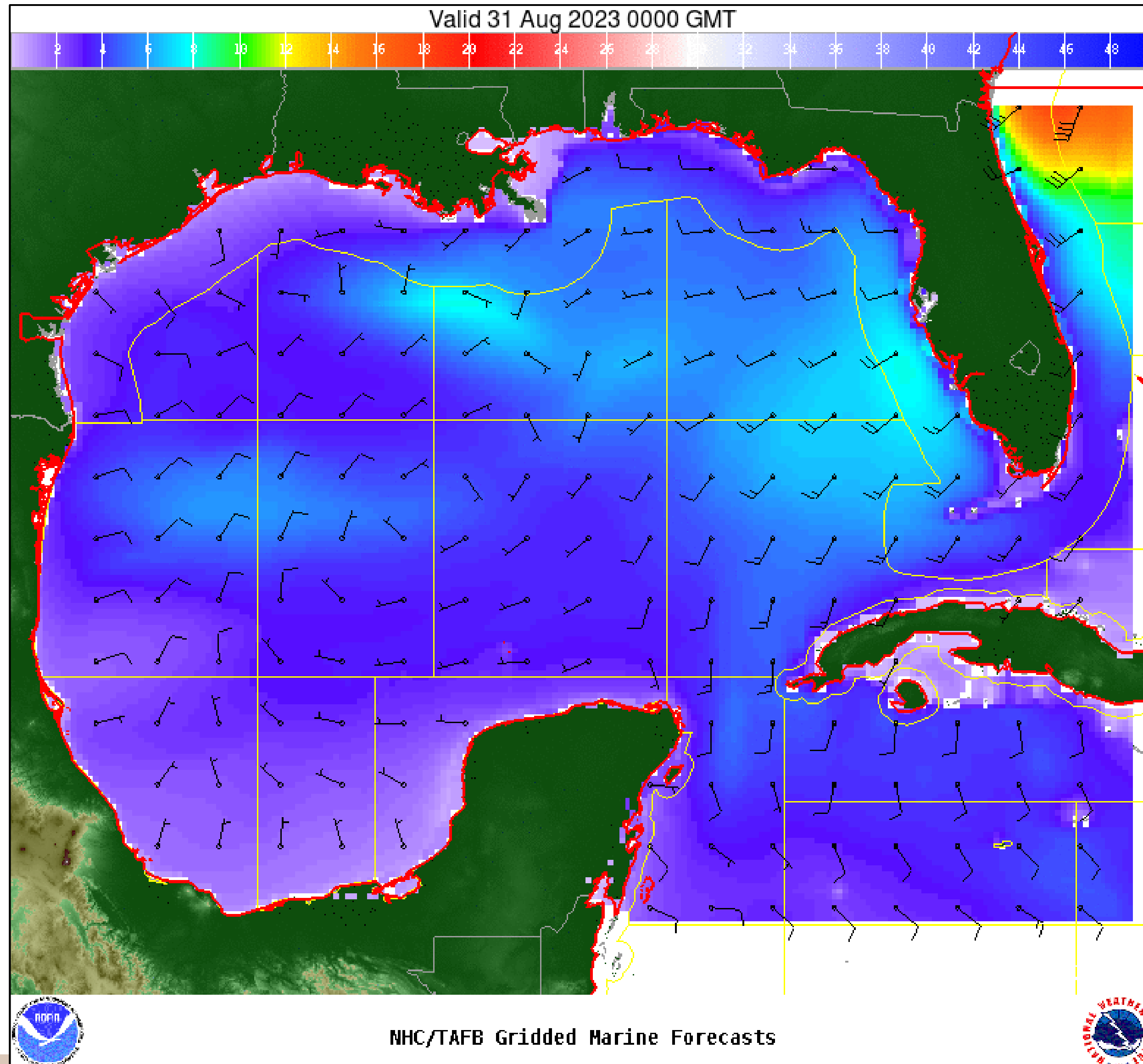
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Idalia



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72 Hour Forecast

8pm Wednesday, August 30

Peak Winds: 55 kt

Peak Seas: 6 ft

■ Wave heights are in feet

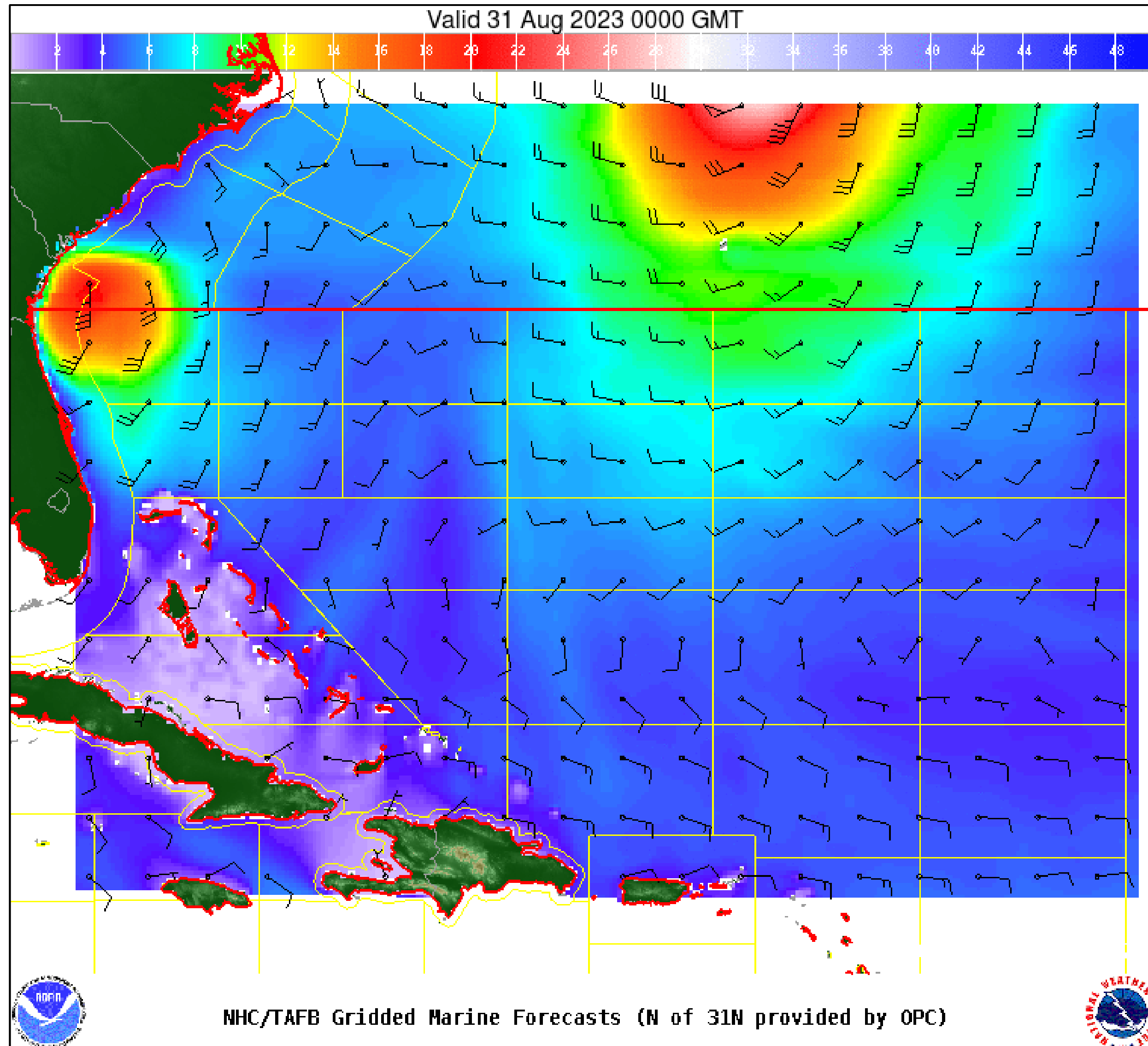


Significant Wave Height (ft)

Wind And Waves



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72 Hour Forecast

8pm **Wednesday, August 30**

Peak Winds: 55 kt

Peak Seas: 12-15 ft

■ Wave heights are in feet

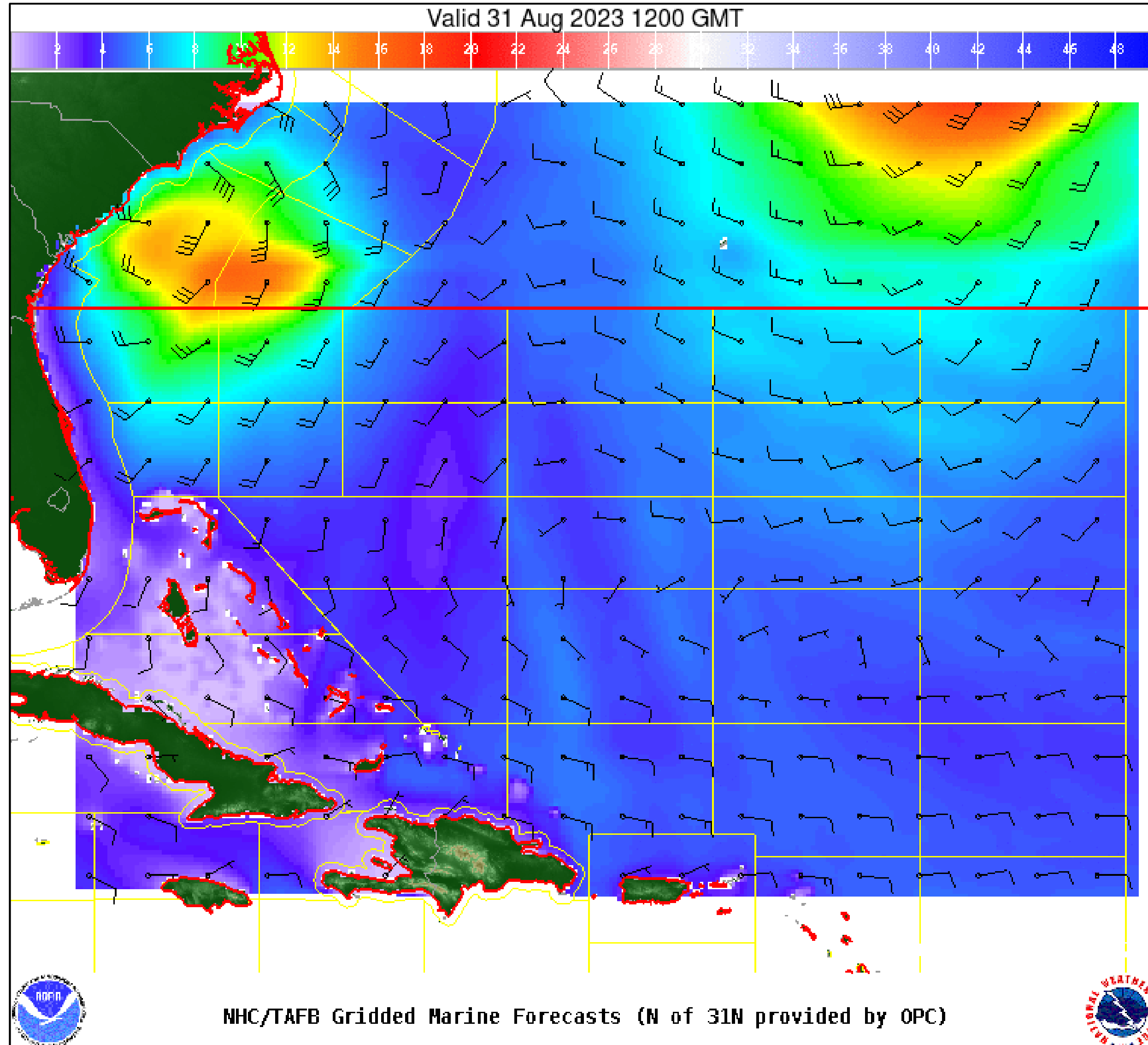


Significant Wave Height (ft)

Wind And Waves



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84 Hour Forecast

8am Thursday, August 31

Peak Winds: 55 kt

Peak Seas: 5 ft

■ Wave heights are in feet



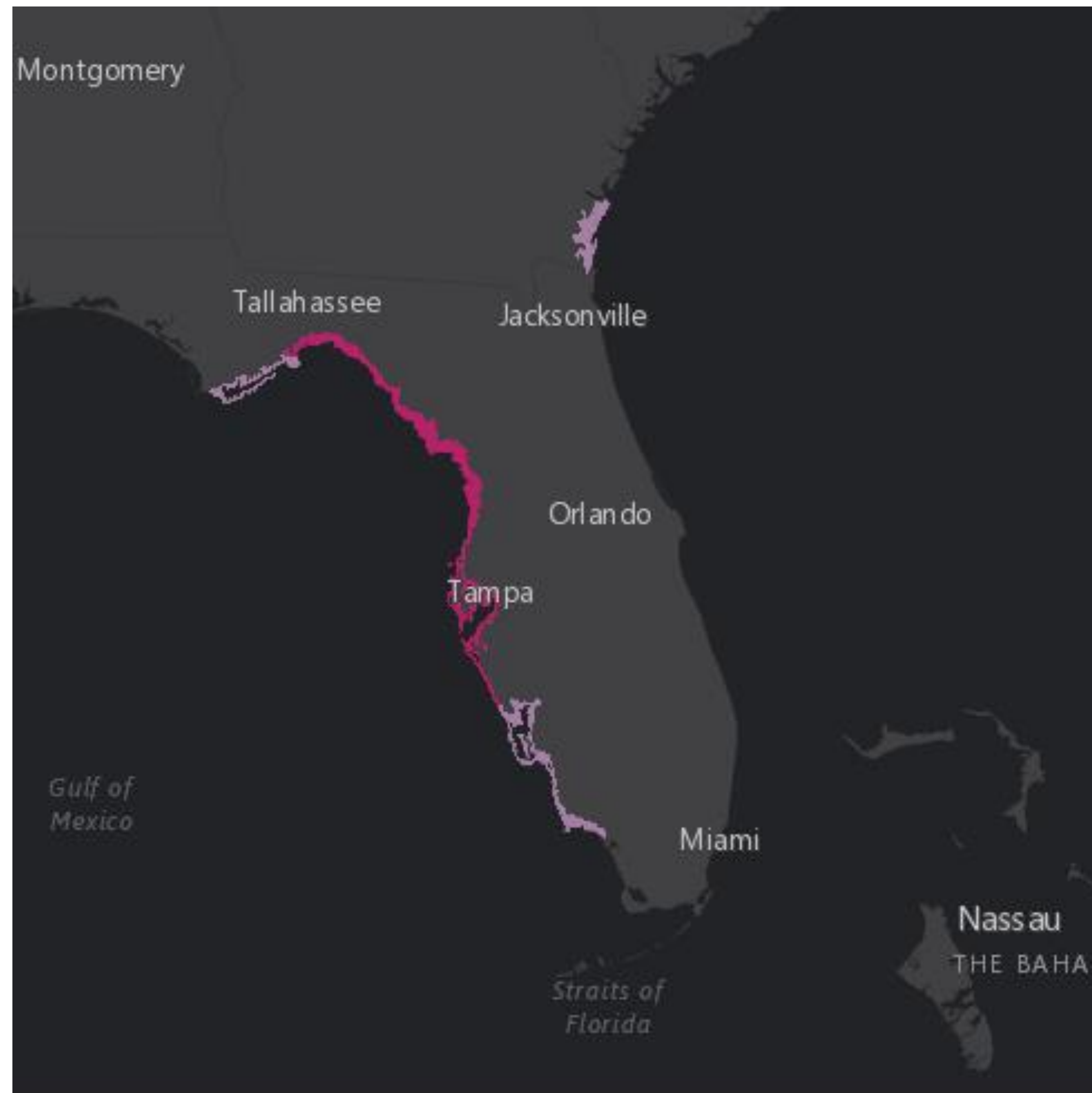
Significant Wave Height (ft)



Storm Surge Watches and Warnings



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Idalia



 Storm Surge Warning
 Storm Surge Watch

A Storm Surge Warning is in effect for...

- * Englewood northward to the Ochlockonee River, including Tampa Bay

A Storm Surge Watch is in effect for...

- *Chokoloskee northward to Englewood, including Charlotte Harbour
- *Ochlockonee River to Indian Pass Florida
- *Mouth of the St. Mary's River to Altamaha Sound Georgia

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.

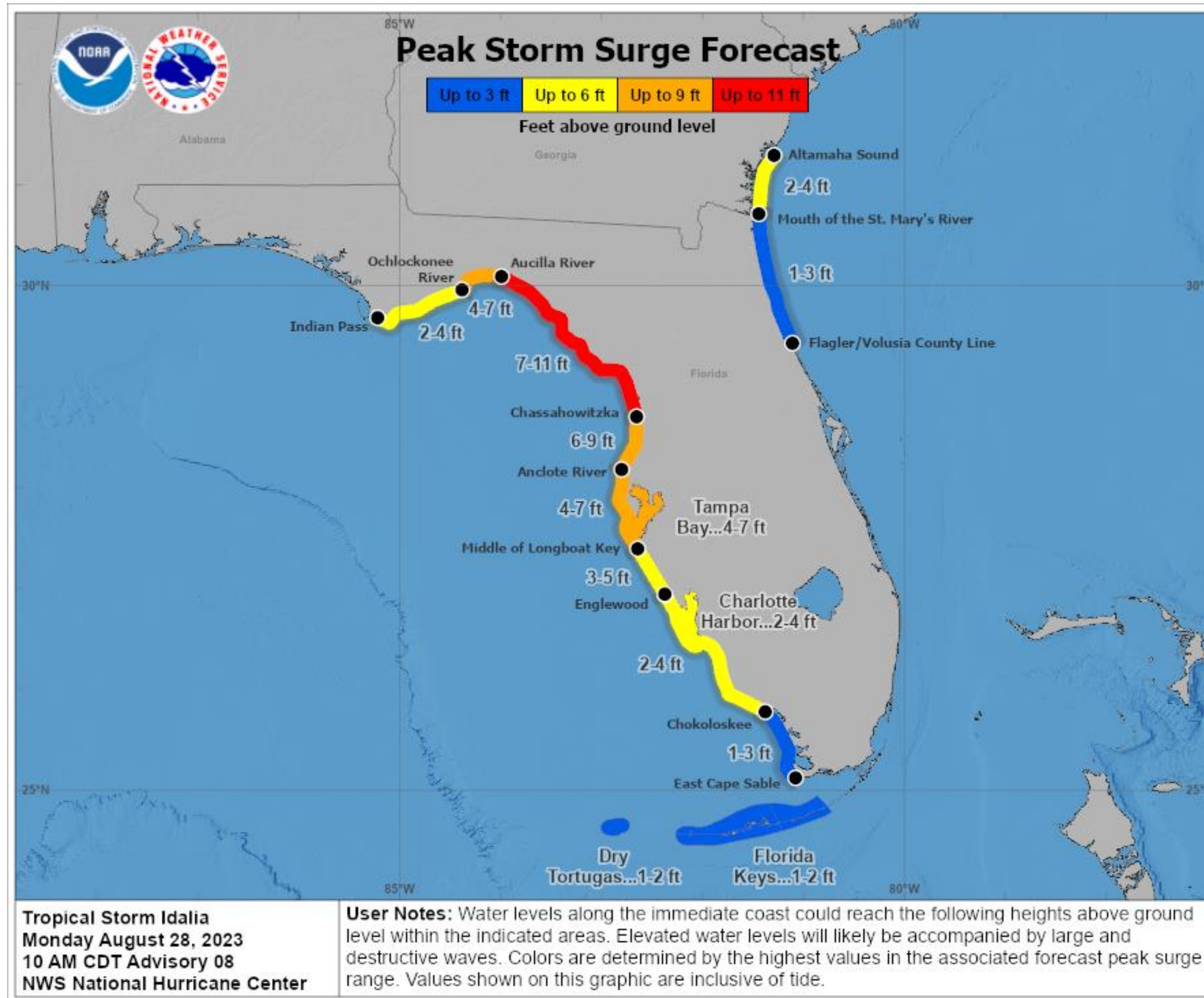
A Storm Surge *Warning* means that there is a danger of life-threatening inundation from rising water moving inland from the shoreline somewhere within the specified area, generally within 36 hours

Peak Storm Surge

Tropical Storm Idalia



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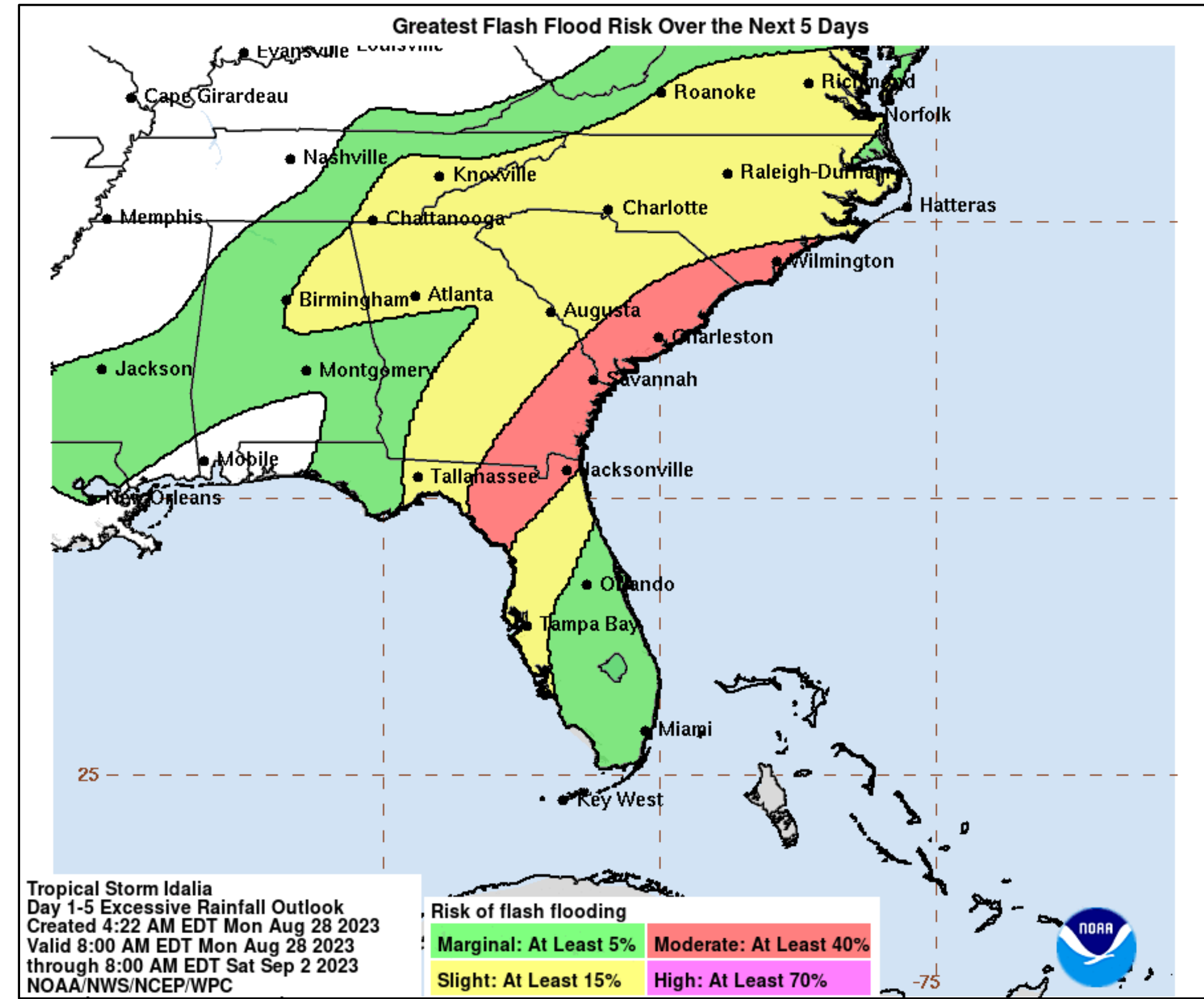
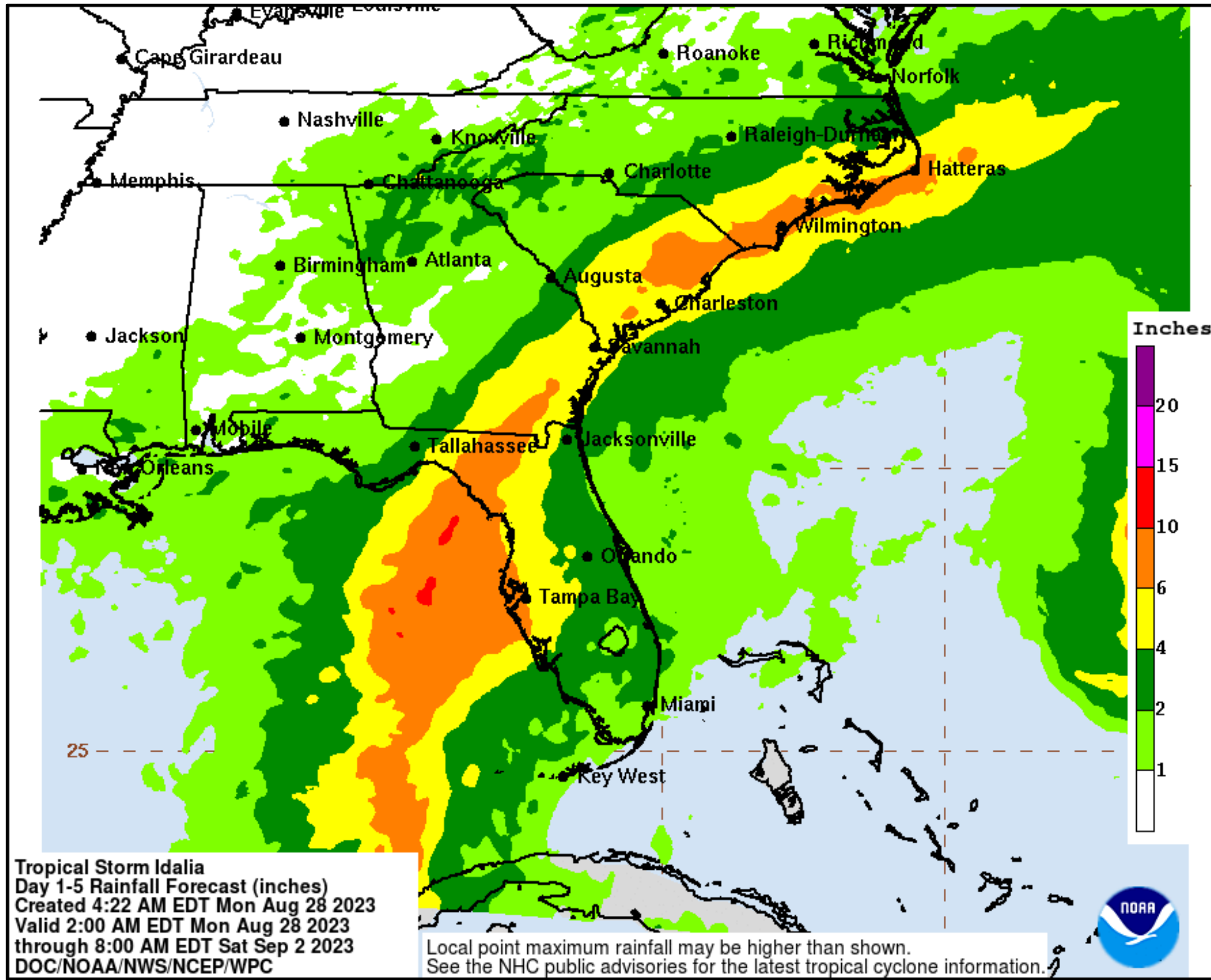
Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Idalia

Images from NWS Weather Prediction Center



Rainfall and Flash Flood Risk maps are valid through 8am Sat, Sept 2

For the Florida Panhandle, southeast Georgia and the eastern Carolinas: 4 to 8 inches from Tuesday into Thursday. Isolated higher totals of 12 inches possible, primarily near landfall in northern Florida.

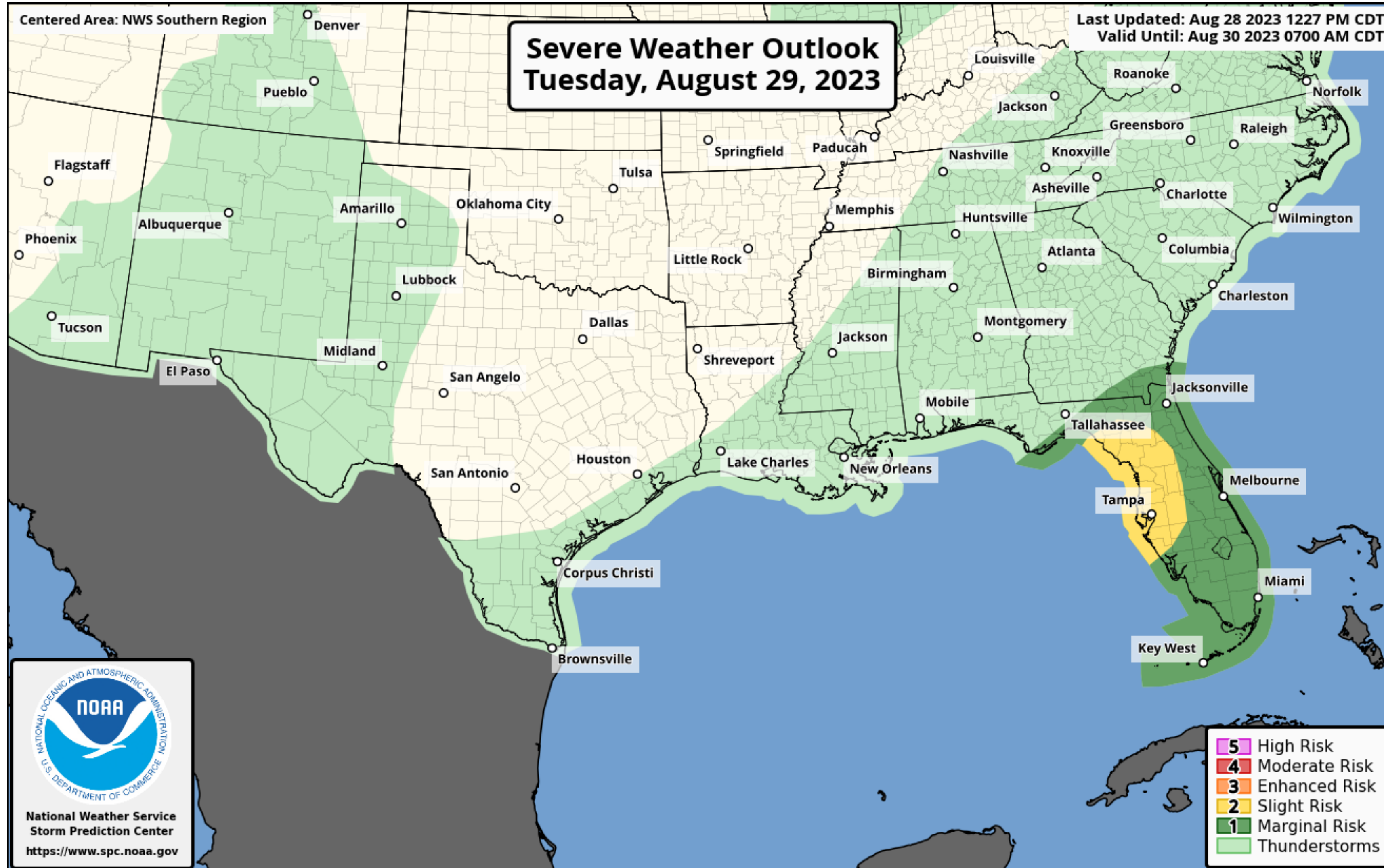
Tornado Outlook – Day 2

Tropical Storm Idalia

Image from NWS Storm Prediction Center



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NWS National Hurricane Center



A few tornadoes will be possible starting Tuesday along the west central Florida coast and the tornado threat will spread northward into the Florida Big Bend area by Tuesday night.

Key Messages

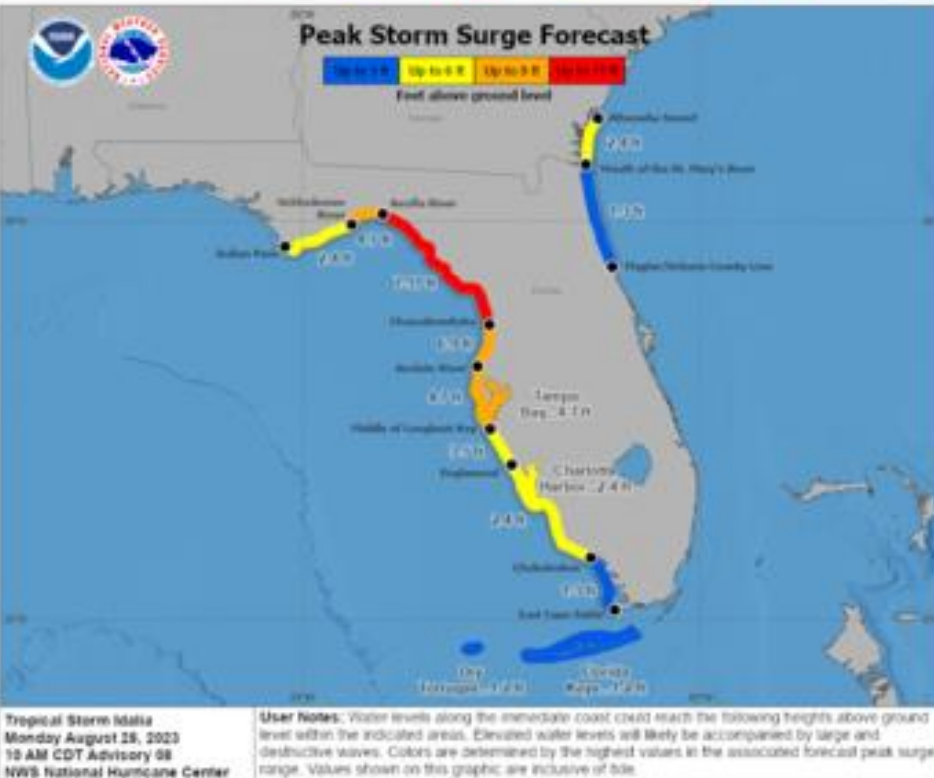

Tropical Storm Idalia



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Key Messages for Tropical Storm Idalia
Advisory 8: 10:00 AM CDT Mon Aug 28, 2023

1. There is a danger of life-threatening storm surge inundation along portions of the Florida Gulf Coast where a Storm Surge Warning is in effect, including Tampa Bay and the Big Bend region of Florida. Inundation of 7 to 11 feet above ground level is expected somewhere between Chassahowitzka and Aucilla River. Residents in these areas should follow any advice given by local officials.
2. Hurricane conditions are expected within portions of the Hurricane Warning area along the Florida Gulf Coast, with the potential for destructive winds where the core of Idalia moves onshore. Strong winds will also spread inland across portions of northern Florida near the track of the center of Idalia.
3. 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.
4. 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.



For more information go to 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 peak around 30 ft as Idalia makes landfall late Tue night/Wed morning
- Conditions will improve over the eastern Gulf by Wed evening

Atlantic:

- Seas are expected to quickly build off the NE Florida/GA/lower SC coast on Wed to over 12 ft Tue night/Wed morning
- 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:
Tuesday, 8:00 AM EDT*

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

