

IMPACTS FOR D7 (through next 5 days)

Winds – Extreme

Storm Surge – Extreme

Rainfall/Flash Flooding – High

Tornadoes – Medium

Waves - Extreme

HURRICANE IDALIA BRIEFING

9:00 AM EDT

Tuesday, August 29, 2023

Prepared by:

Chris Landsea

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

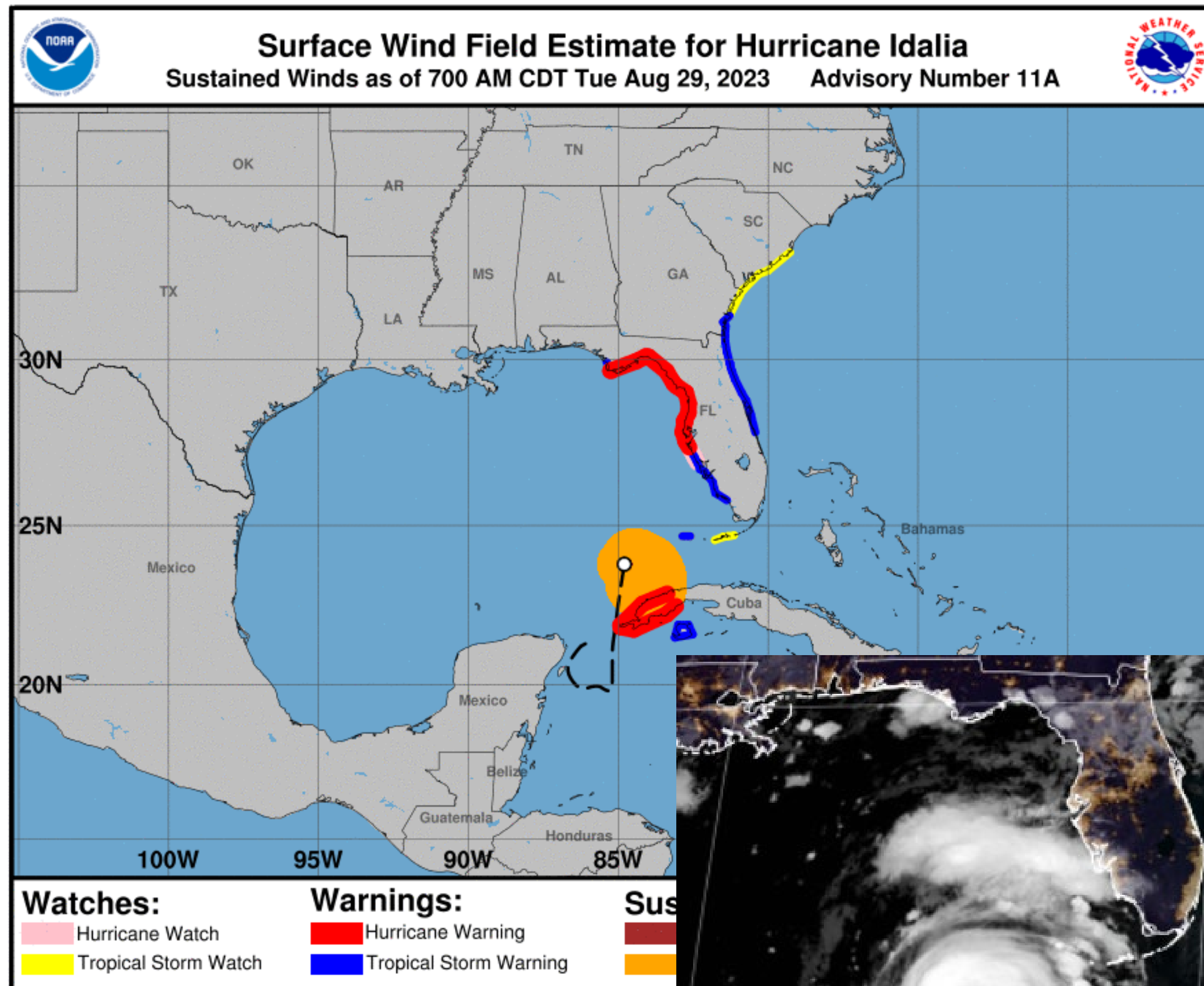
www.nhc.noaa.gov

Situation Overview

Hurricane Idalia



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NWS National Hurricane Center



...NOAA HURRICANE HUNTERS FIND IDALIA STRENGTHENING...

SUMMARY OF 800 AM EDT INFORMATION

LOCATION...23.8N 84.8W
ABOUT 115 NM WSW OF THE DRY TORTUGAS
ABOUT 270 NM SSW OF TAMPA FL
MAXIMUM SUSTAINED WINDS...70 KT
PRESENT MOVEMENT...N AT 13 KT

PEAK SEAS 24 FT

SIZE:

64 KT..... 15NE 15SE 0SW 0NW.

50 KT..... 30NE 40SE 20SW 20NW.

34 KT..... 80NE 140SE 50SW 50NW.

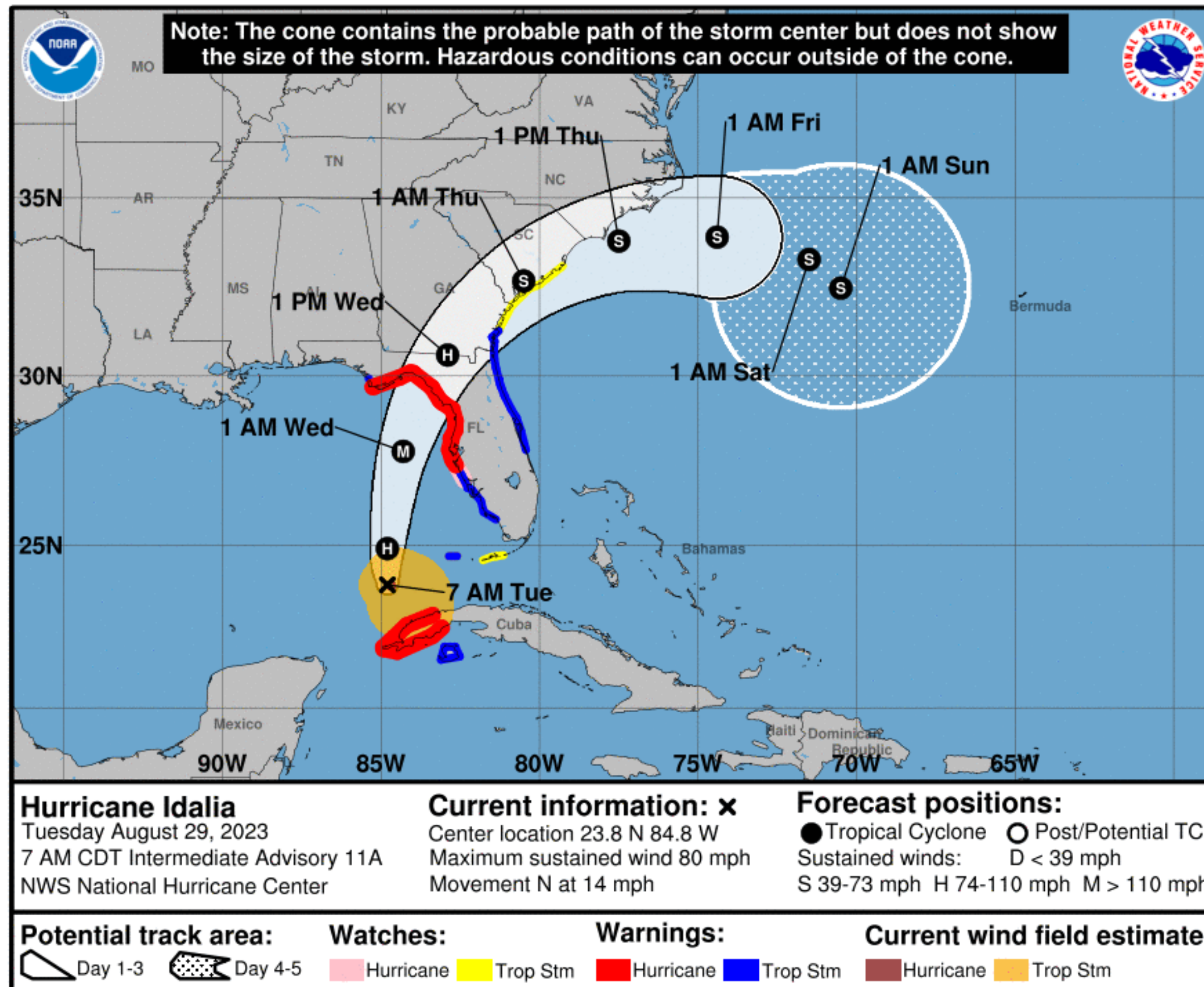
12 FT SEAS.. 90NE 150SE 60SW 75NW.

Forecast Information

Hurricane Idalia



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

- **Idalia will continue moving northward through the E Gulf today and gradually turn NE towards the west coast of Florida**
- **Idalia is expected to strengthen into a major hurricane before landfall within the Hurricane Warning area on Wed morning or Wed afternoon**
- **After landfall, Idalia will track along the Atlantic coast of Georgia and the Carolinas as a tropical storm**
- 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

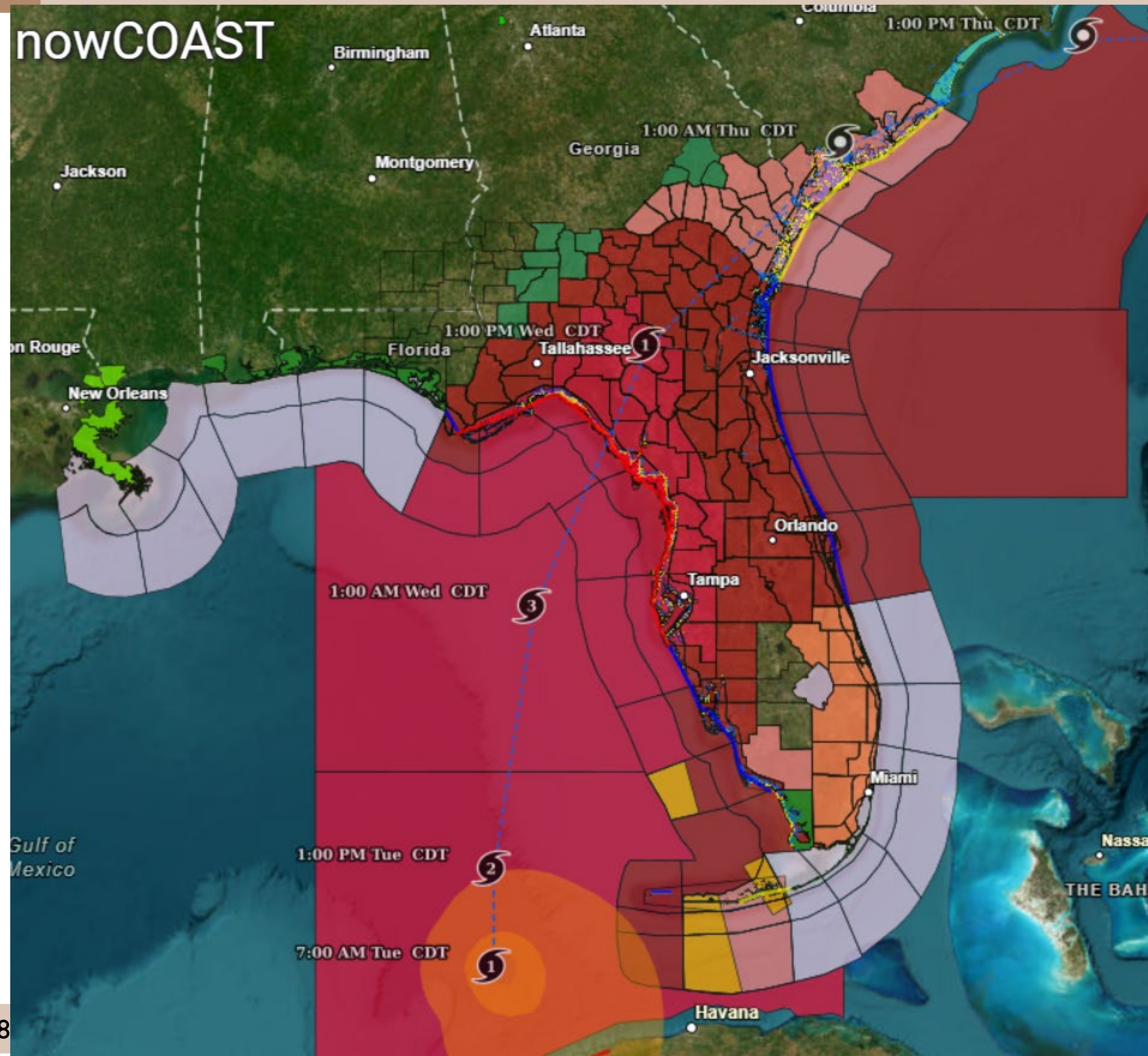
** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Hurricane Idalia



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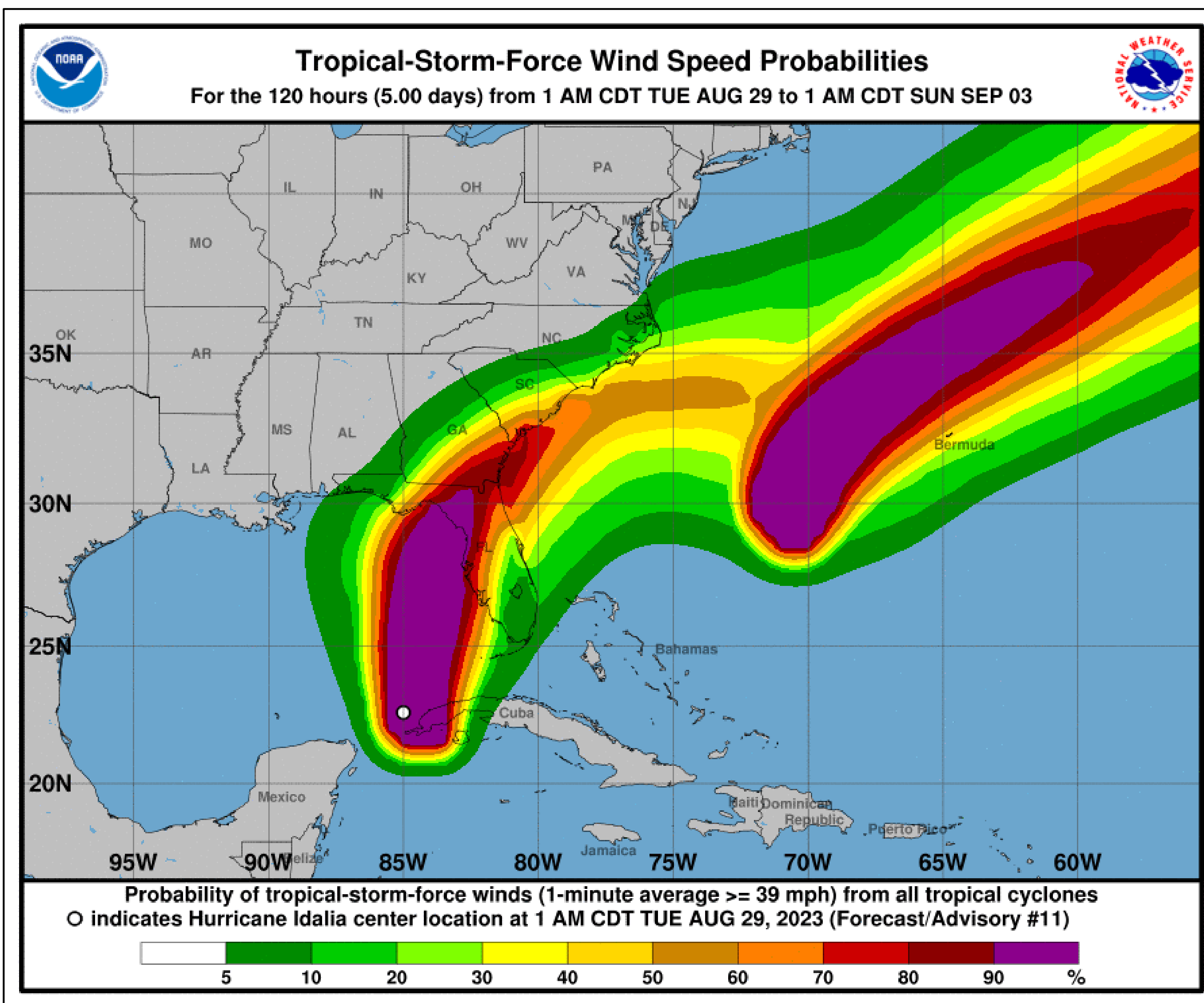
■ <https://nowcoast.noaa.gov/>

T.S. Wind Speed Probabilities

Hurricane Idalia



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- PANAMA CITY FL 35%
- APALACHICOLA FL 65%
- TALLAHASSEE FL 55%
- TAMPA FL 90%
- CEDAR KEY FL 95%
- FT. MYERS 30%
- NAPLES FL 45%
- KEY WEST FL 15%
- FT LAUDERDALE 10%
- PALM BEACH 10%
- FT. PIERCE 20%
- COCOA BEACH FL 35%
- JACKSONVILLE 75%
- MAYPORT FL 85%
- KINGS BAY GA 85%
- SAVANNAH GA 65%
- BEAUFORT SC 75%
- CHARLESTON SC 70%

Red means
increase in
probabilities since
Monday 5pm

Green means a
decrease in
probabilities since
Monday 5pm

Black means a **no
change** in
probabilities since
Monday 5pm

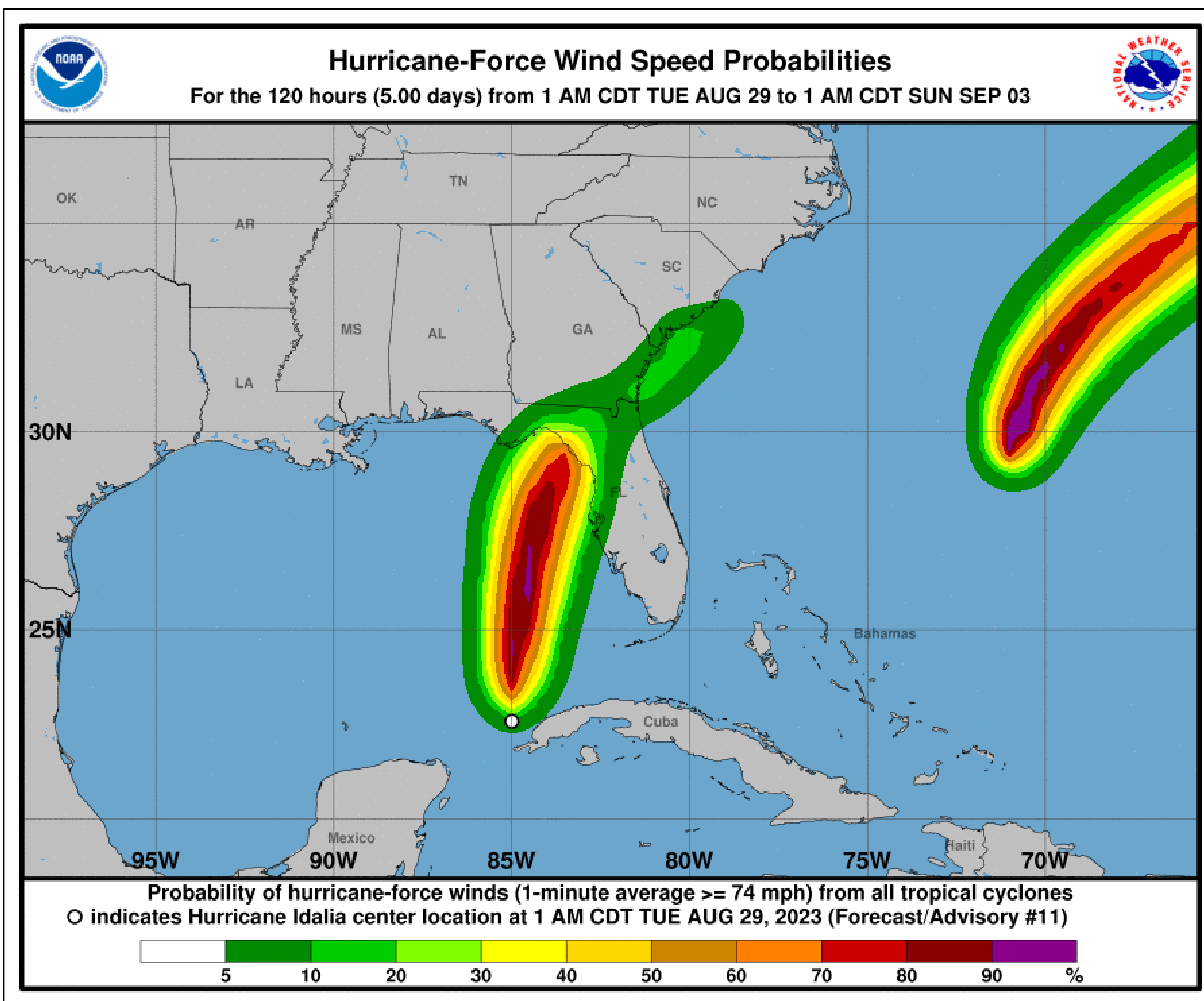
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
 - Clear or dark green are the lowest chances of 0-30%.
 - Yellow to orange is 31-70%
 - Red through purple are the highest probabilities of 71%-100%
- See the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

Hurricane Wind Speed Probabilities

Hurricane Idalia



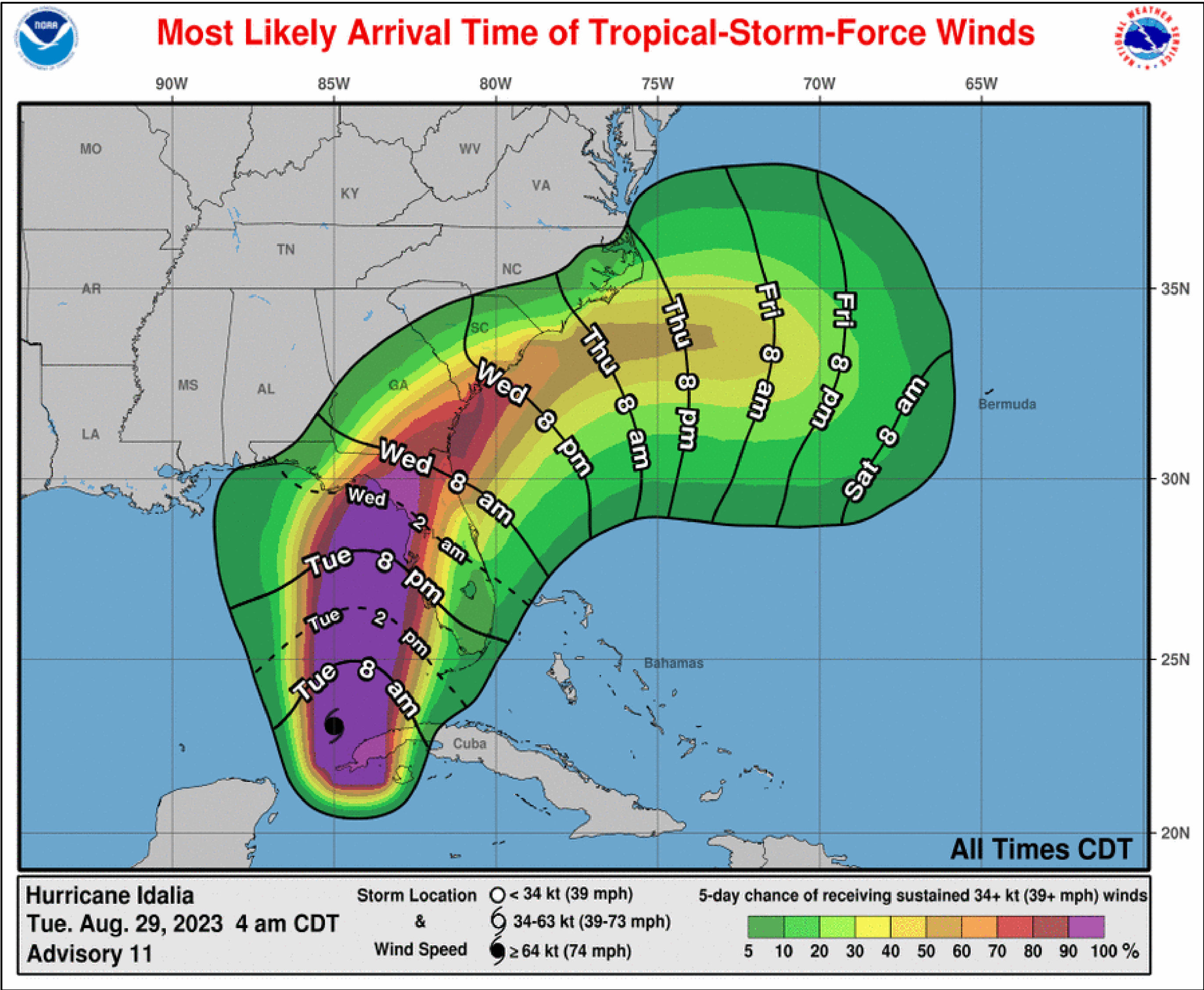
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NWS National Hurricane Center



- APALACHICOLA FL 10%
- CEDAR KEY FL 45%
- TAMPA FL 10%
- MAYPORT FL 10%
- KINGS BAY GA 15%
- 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 Idalia



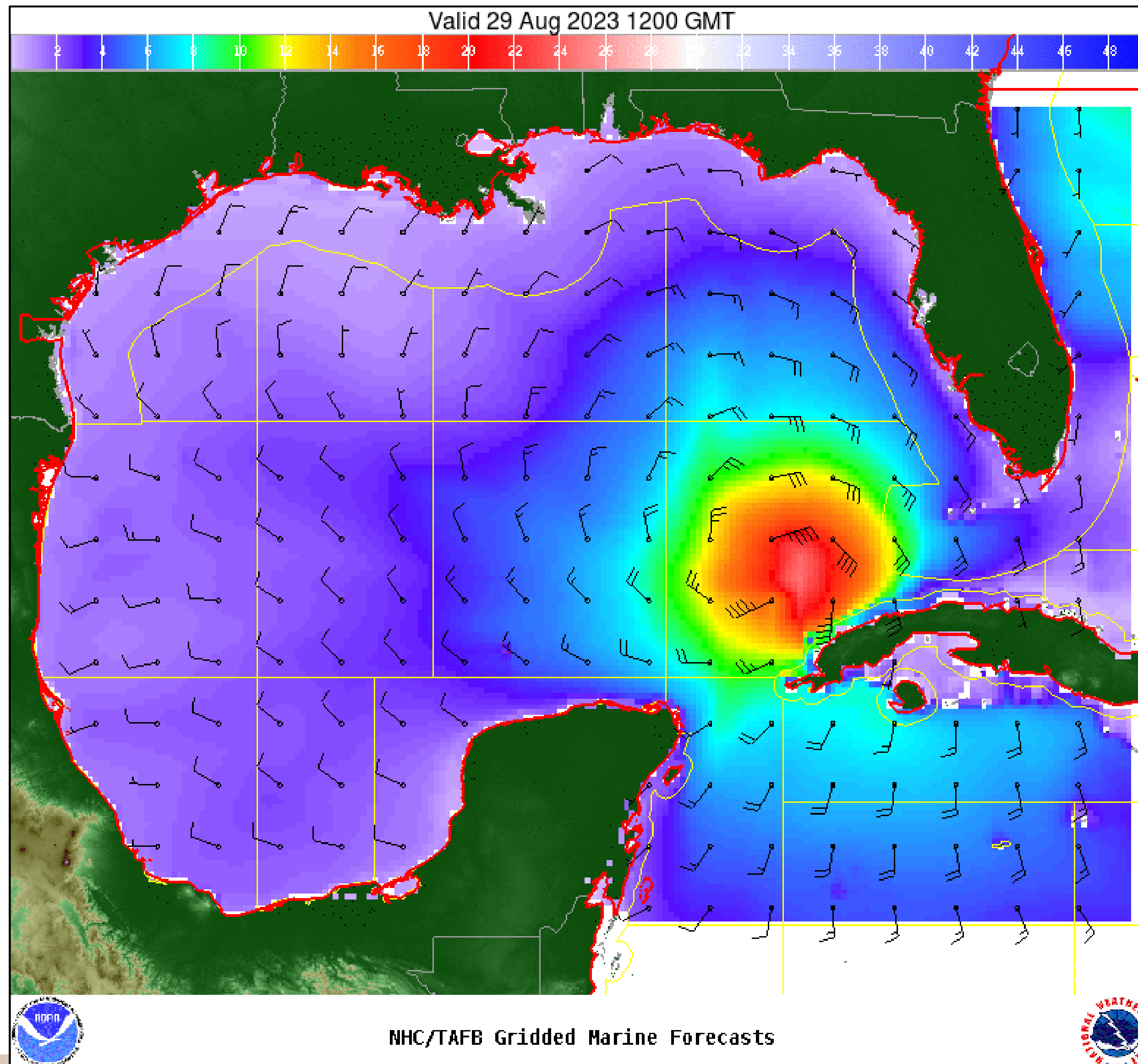
- Tampa Bay – Tonight
- Florida Big Bend – Late tonight
- Jacksonville – Wed morning
- Charleston – Wed night
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- 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

Hurricane Idalia



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CURRENT CONDITIONS

8am EDT, Tuesday, Aug 29th

Peak Winds: 70 KT

Peak Seas: 24 FT

- Wave heights are in feet



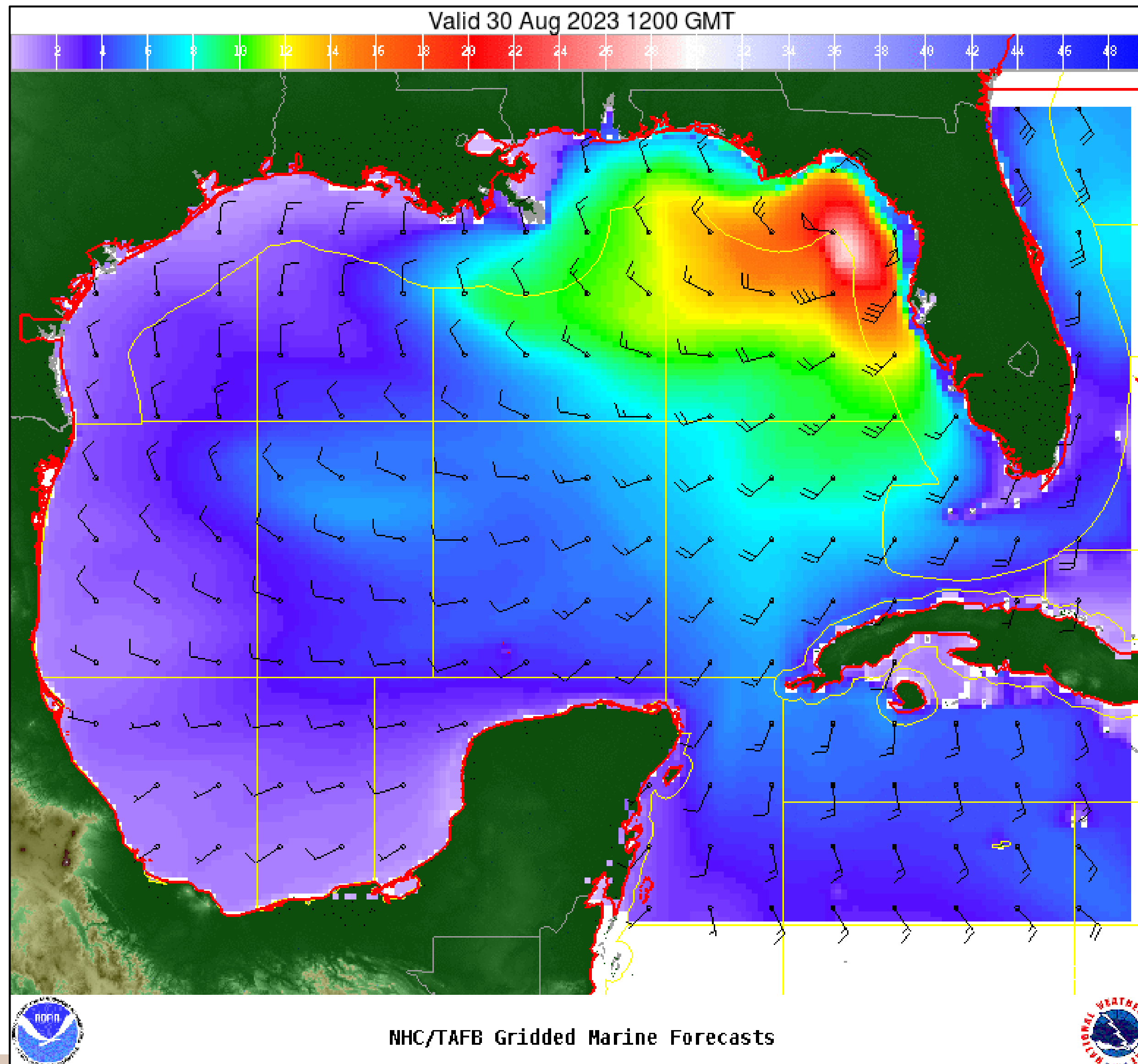
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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24 Hour Forecast

8am EDT, Wednesday, August 30th

Peak Winds: 105 KT

Peak Seas: 28 FT

- Wave heights are in feet



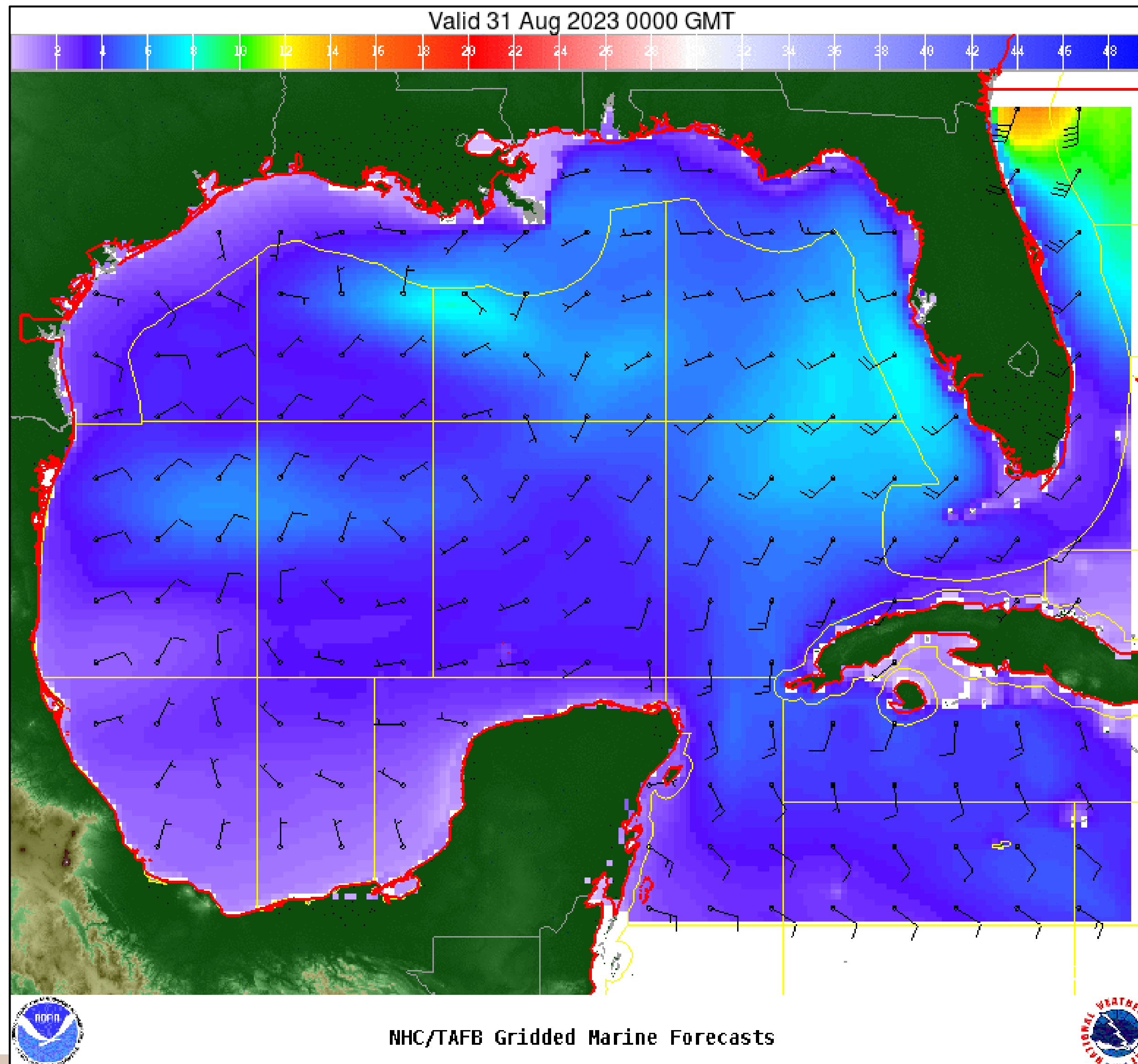
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



36 Hour Forecast

8pm, Wednesday, August 30th

Peak Winds: 20 KT (in Gulf)

Peak Seas: 8 FT (in Gulf)

- Wave heights are in feet



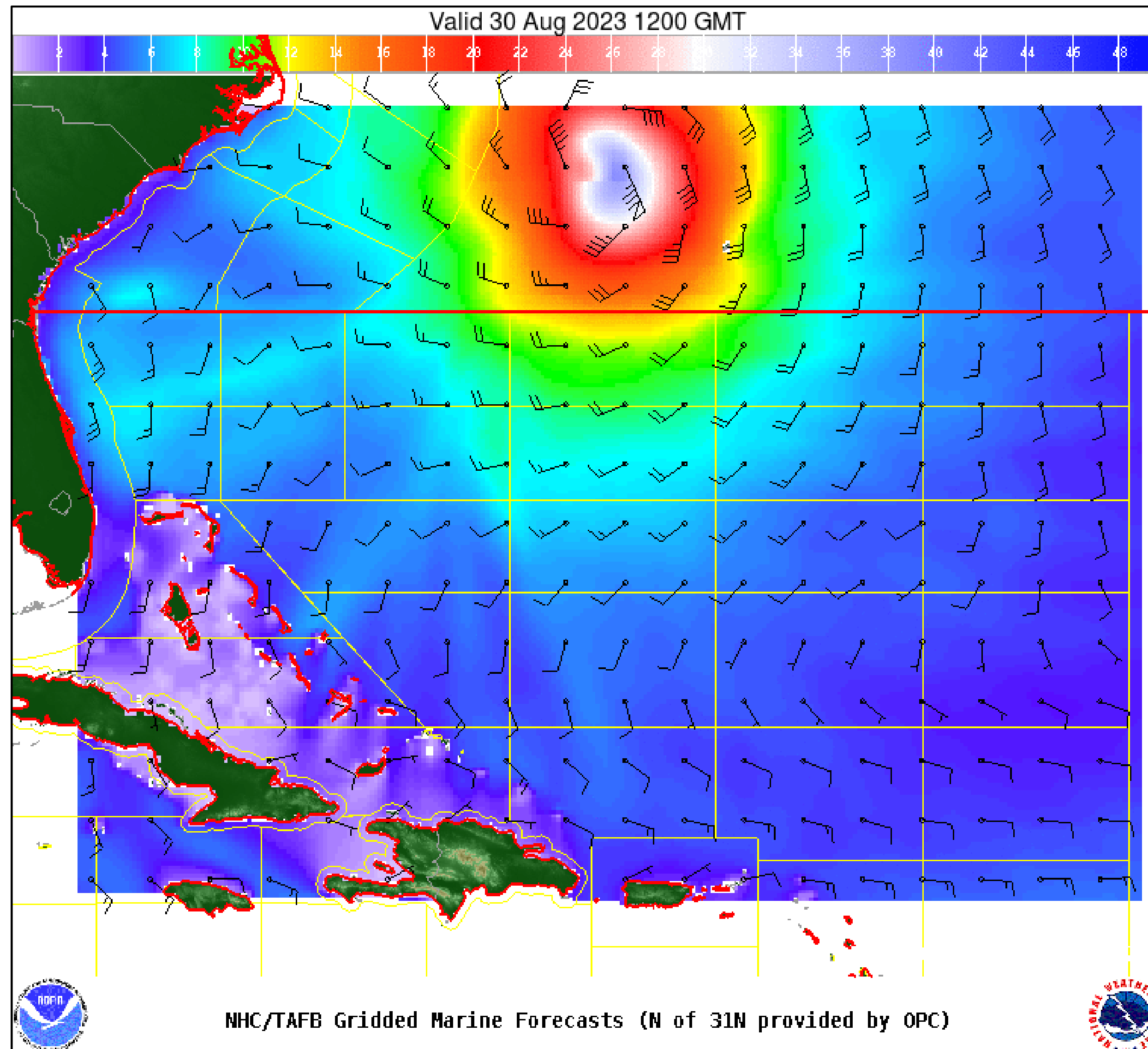
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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24 Hour Forecast

8am EDT, Wednesday, August 30th

Peak Winds: 25 KT (from Idalia)

Peak Seas: 8 FT (from Idalia)

- Wave heights are in feet



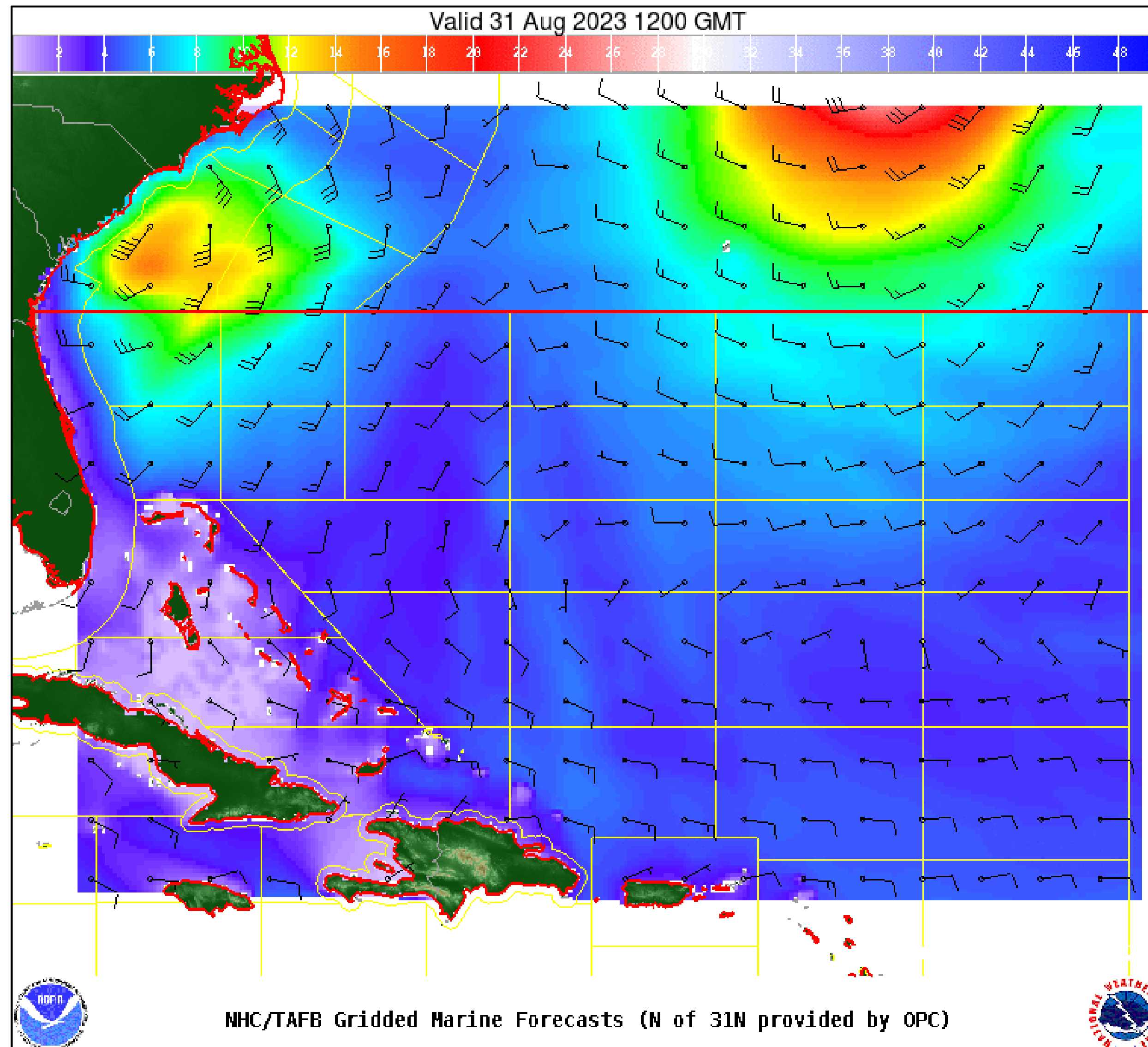
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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48 Hour Forecast

8am, Thursday, August 31st

Peak Winds: 50 KT

Peak Seas: 15 FT

■ Wave heights are in feet



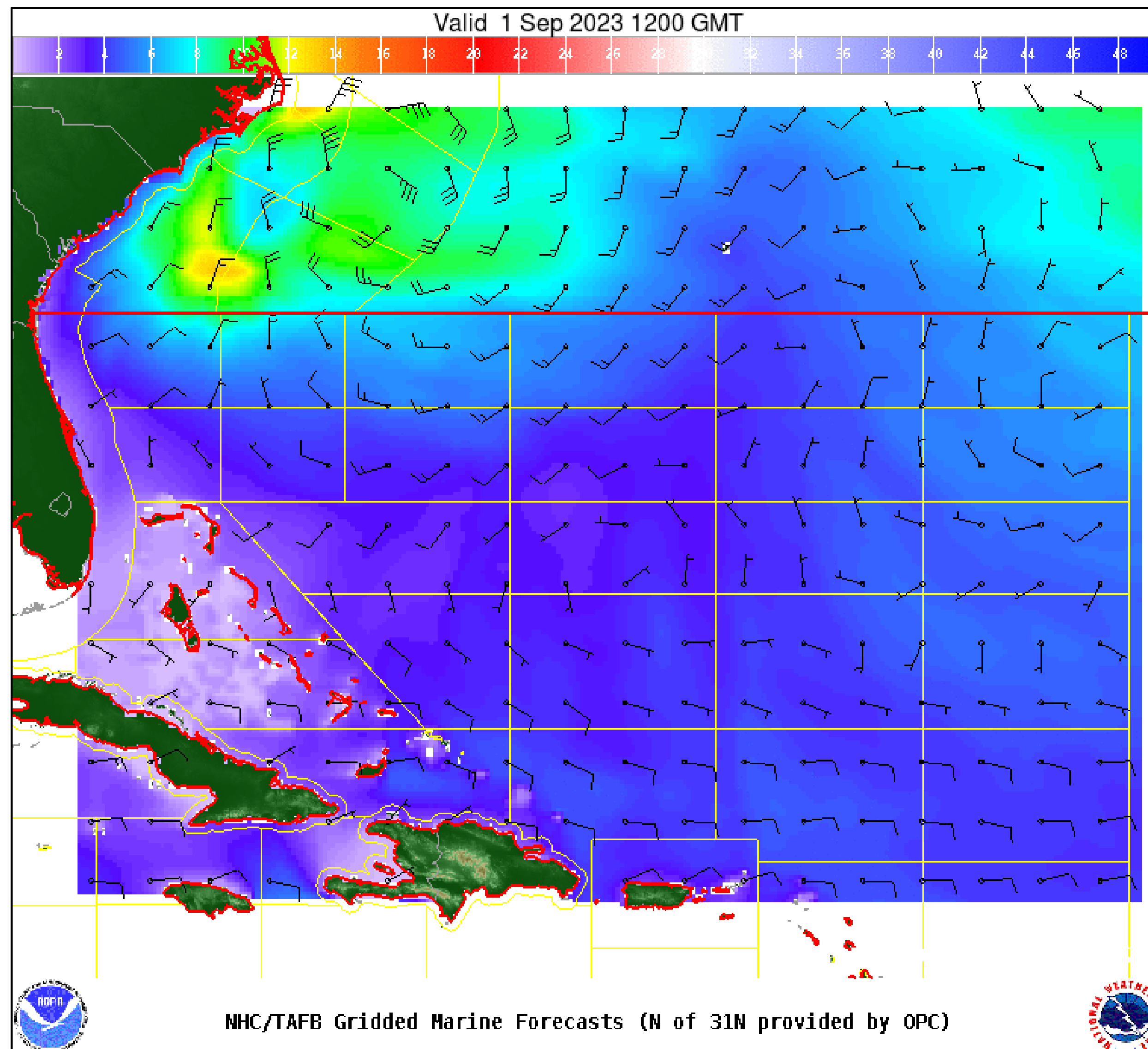
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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72 Hour Forecast

8am EDT Friday, September 1st

Peak Winds: 50 KT

Peak Seas: 15 FT

■ Wave heights are in feet



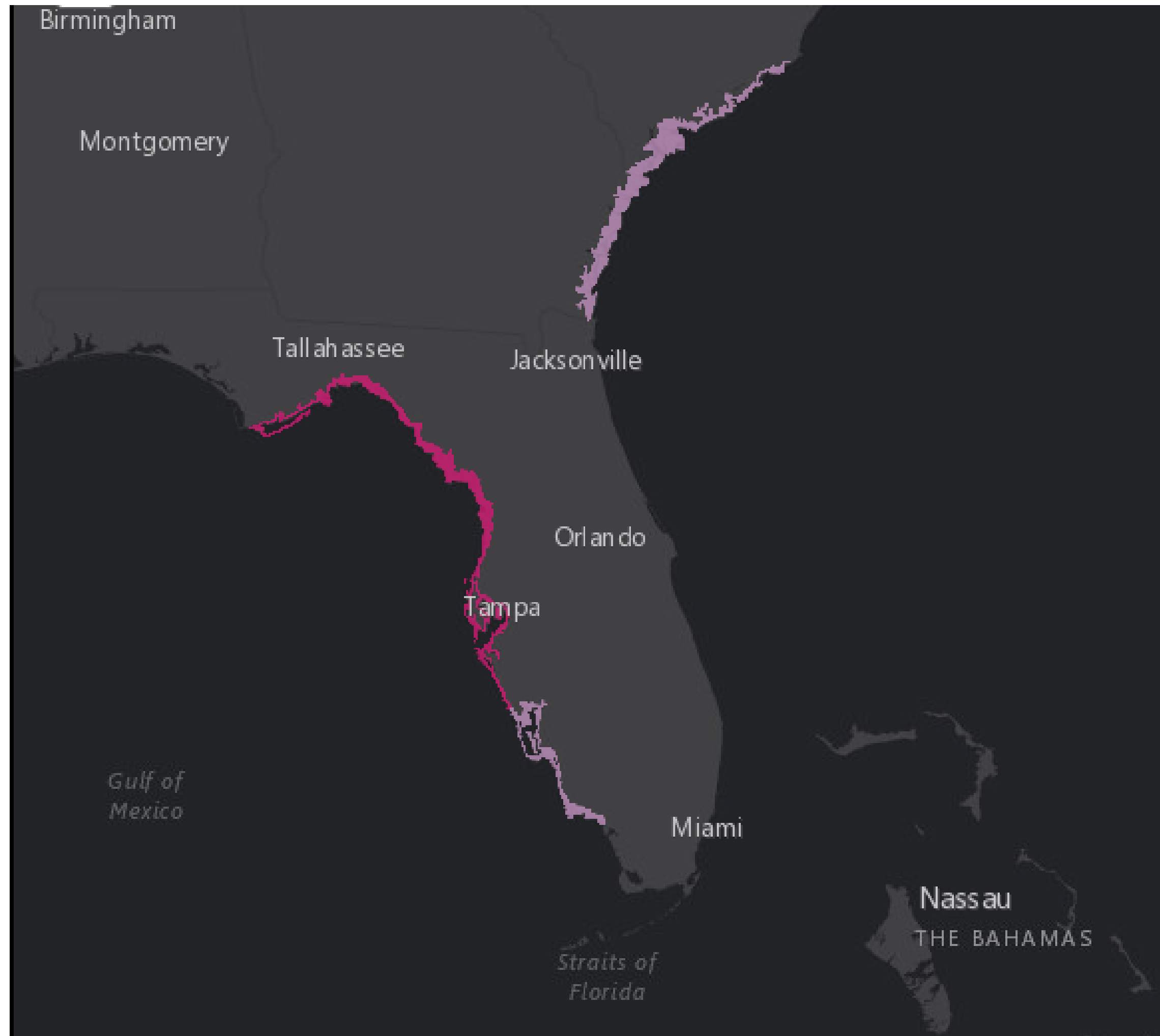
Significant Wave Height (ft)

Storm Surge Watches and Warnings



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Idalia



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

- * Englewood northward to Indian Pass, including Tampa Bay

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

- * Chokoloskee northward to Englewood, including Charlotte Harbour
- * Mouth of the St. Mary's River to South Santee River South Carolina

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

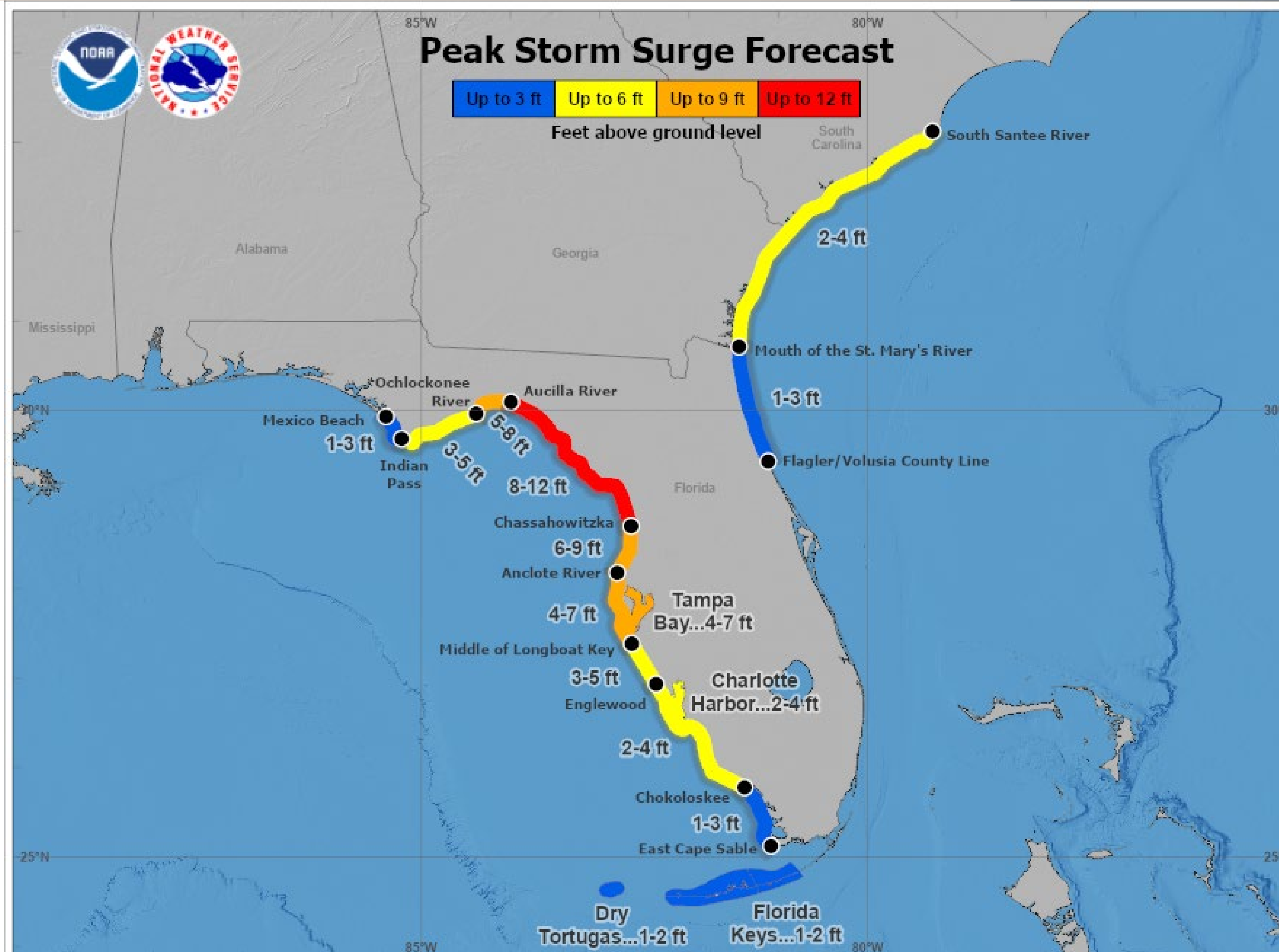
A Storm Surge *Watch* means there is a possibility of life-threatening inundation, from rising water moving inland from the coastline, in the indicated locations during the next 48 hours.

Peak Storm Surge

Hurricane Idalia



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Hurricane Idalia
Tuesday August 29, 2023
04 AM CDT Advisory 11
NWS National Hurricane Center

User Notes: Water levels along the immediate coast could reach the following heights above ground level within the indicated areas. Elevated water levels will likely be accompanied by large and destructive waves. Colors are determined by the highest values in the associated forecast peak surge range. Values shown on this graphic are inclusive of tide.

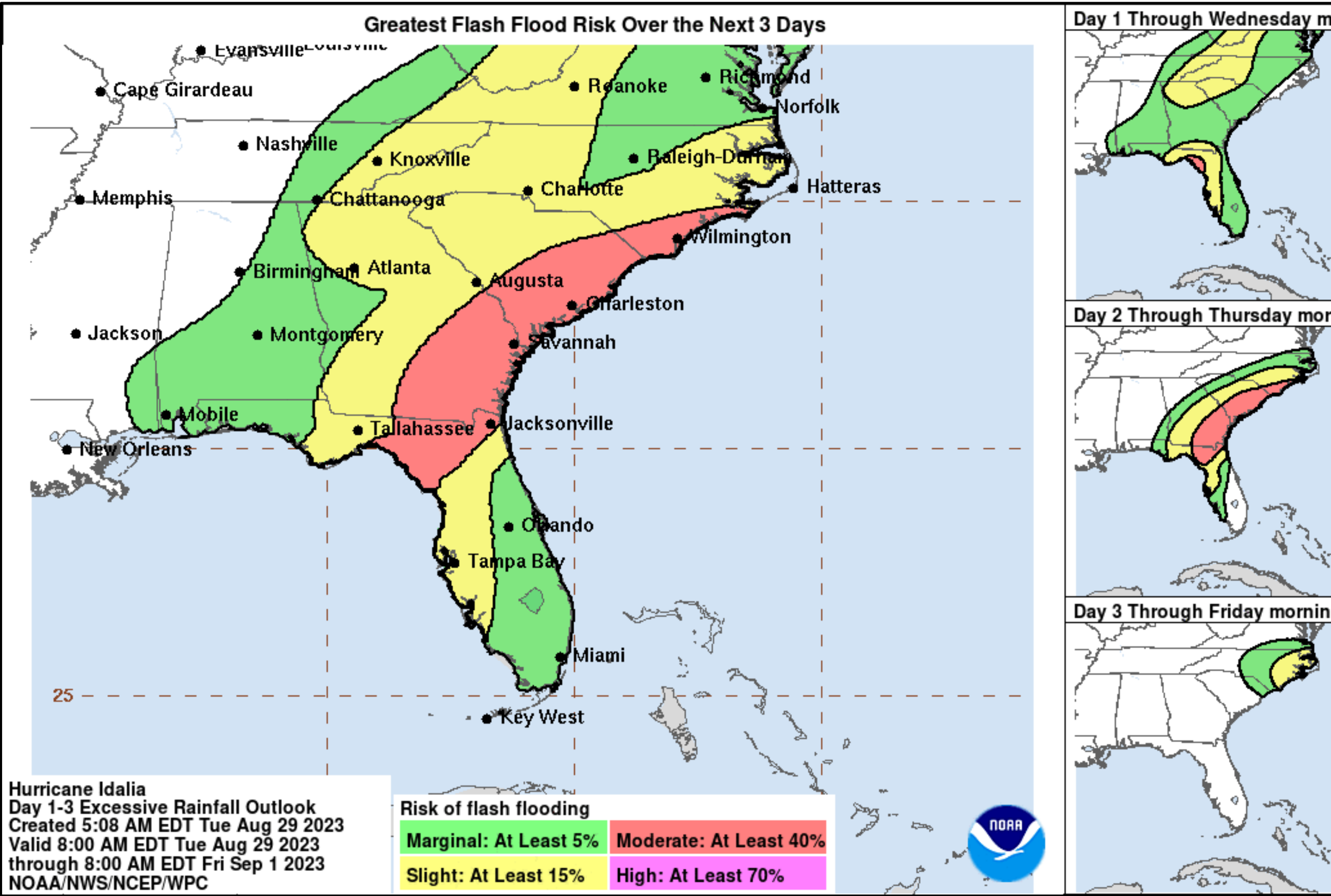
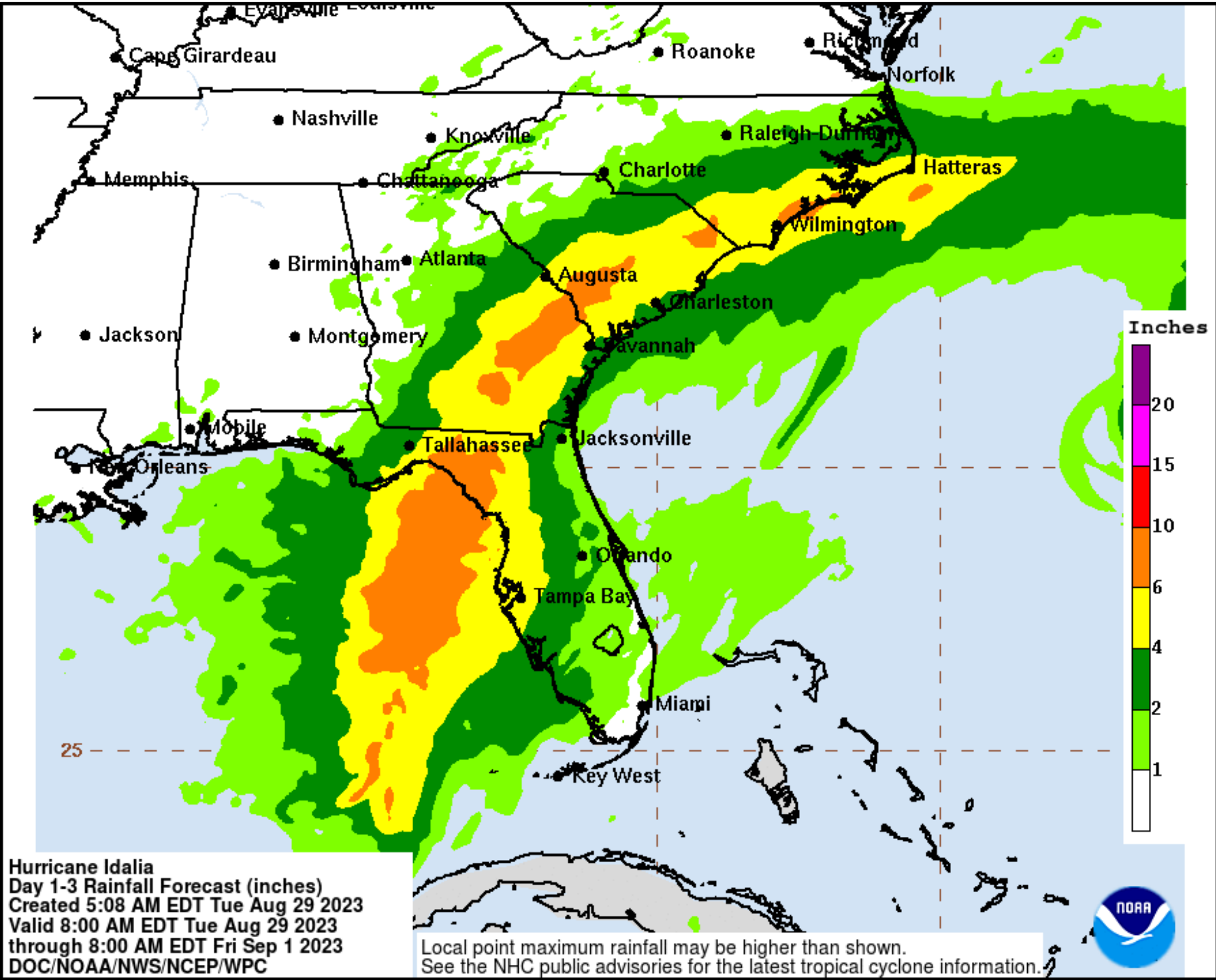
Expected Storm Total Rainfall and Chance of Rainfall Flooding

Hurricane Idalia

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



■ Rainfall totals valid through Friday morning

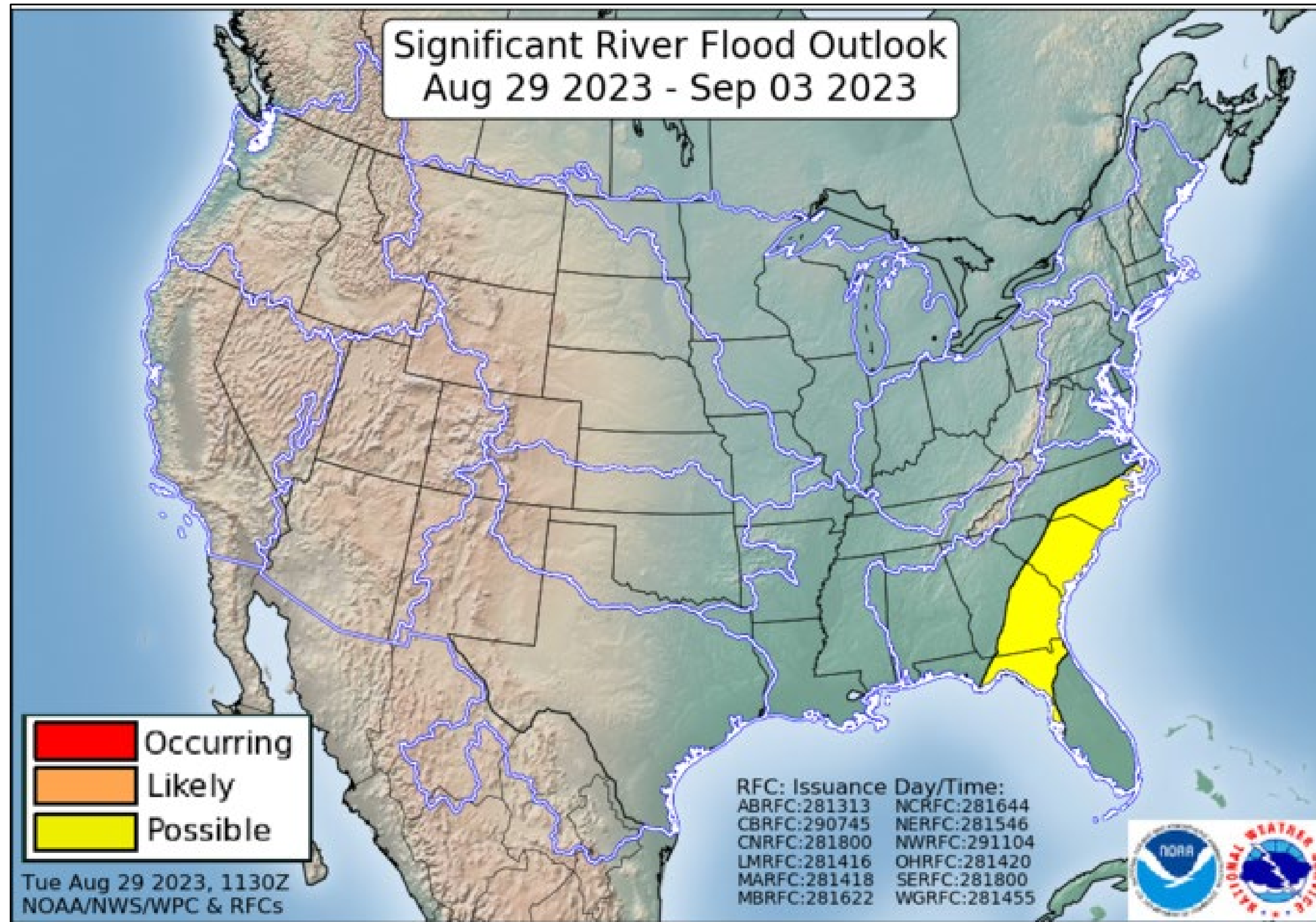
Risk of rainfall exceeding flash flood guidance
within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**
Rainfall Flooding Valid through Friday morning

Flood Outlook

Hurricane Idalia



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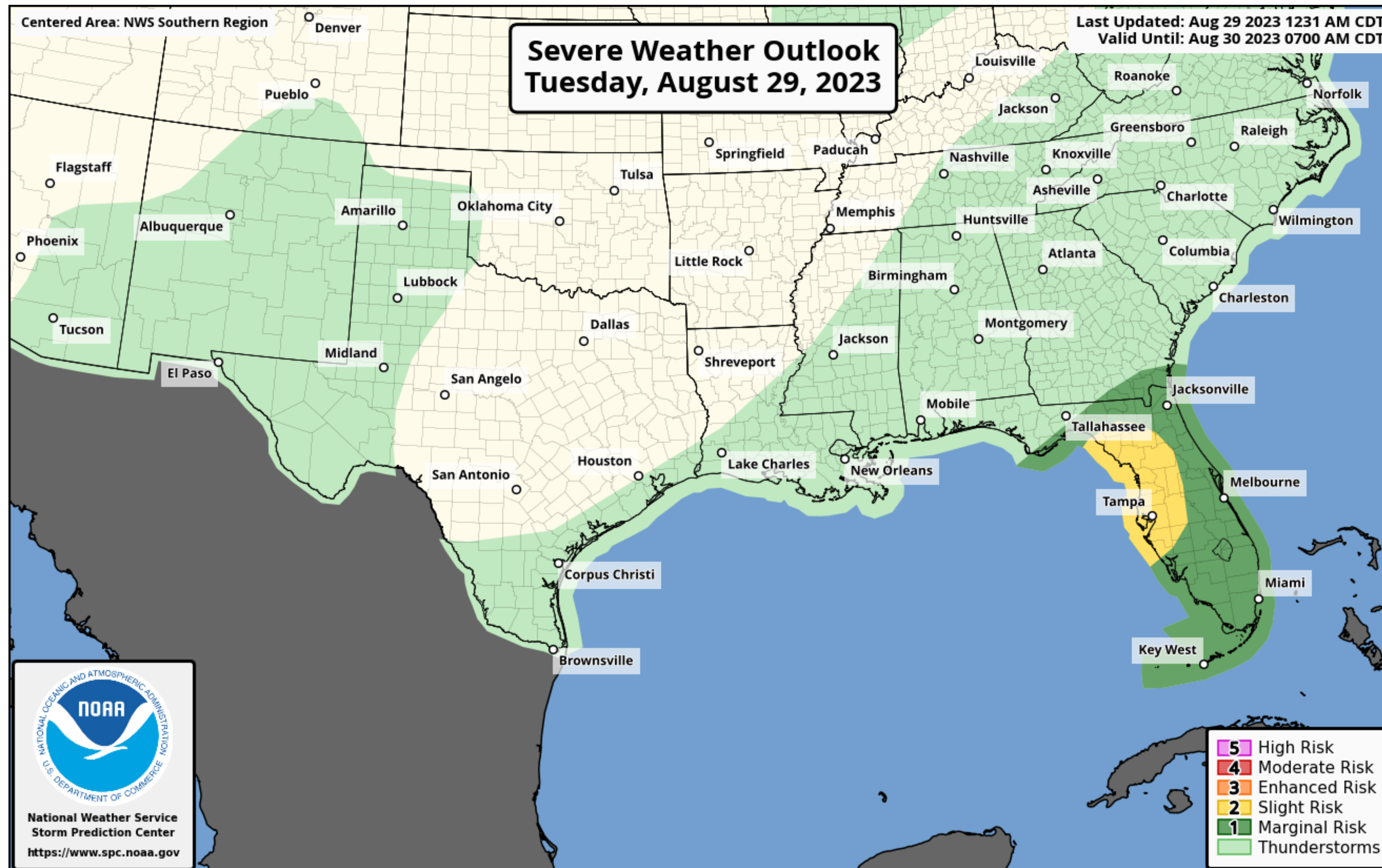
Tornado Outlook – Day 1

Hurricane Idalia

Image from NWS Storm Prediction Center



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NWS National Hurricane Center



Key Messages

Hurricane Idalia



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NWS National Hurricane Center



Key Messages for Hurricane Idalia

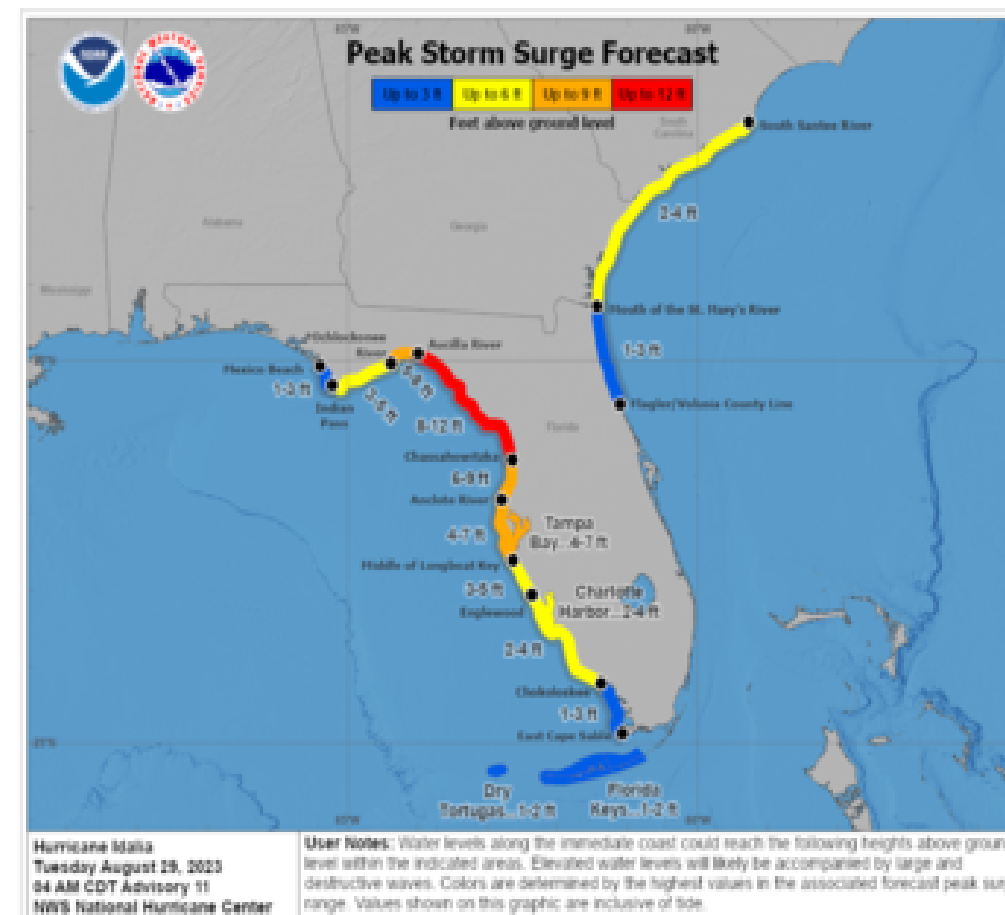
Advisory 11: 4:00 AM CDT Tue Aug 29, 2023

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 8 to 12 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. Heavy rainfall is expected across portions of western Cuba and may produce areas of flash and urban flooding as well as landslides. 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 beginning today into Wednesday, spreading into portions of the eastern Carolinas Wednesday into Thursday.

For more information go to hurricanes.gov





HURRICANE IDALIA BRIEFING

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

*The Next Briefing Will Be:
Tuesday 4:00 PM EDT*

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



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www.nhc.noaa.gov