

IMPACTS FOR D7 (through next 5 days)

Winds – Extreme

Storm Surge – Extreme

Rainfall/Flash Flooding – High

Tornadoes – Medium

Waves - Extreme

HURRICANE IDALIA BRIEFING

4:00 PM EDT

Tuesday, August 29, 2023

Prepared by:

Chris Landsea and **Patrick Chan**

Tropical Analysis and Forecast Branch

NWS National Hurricane Center

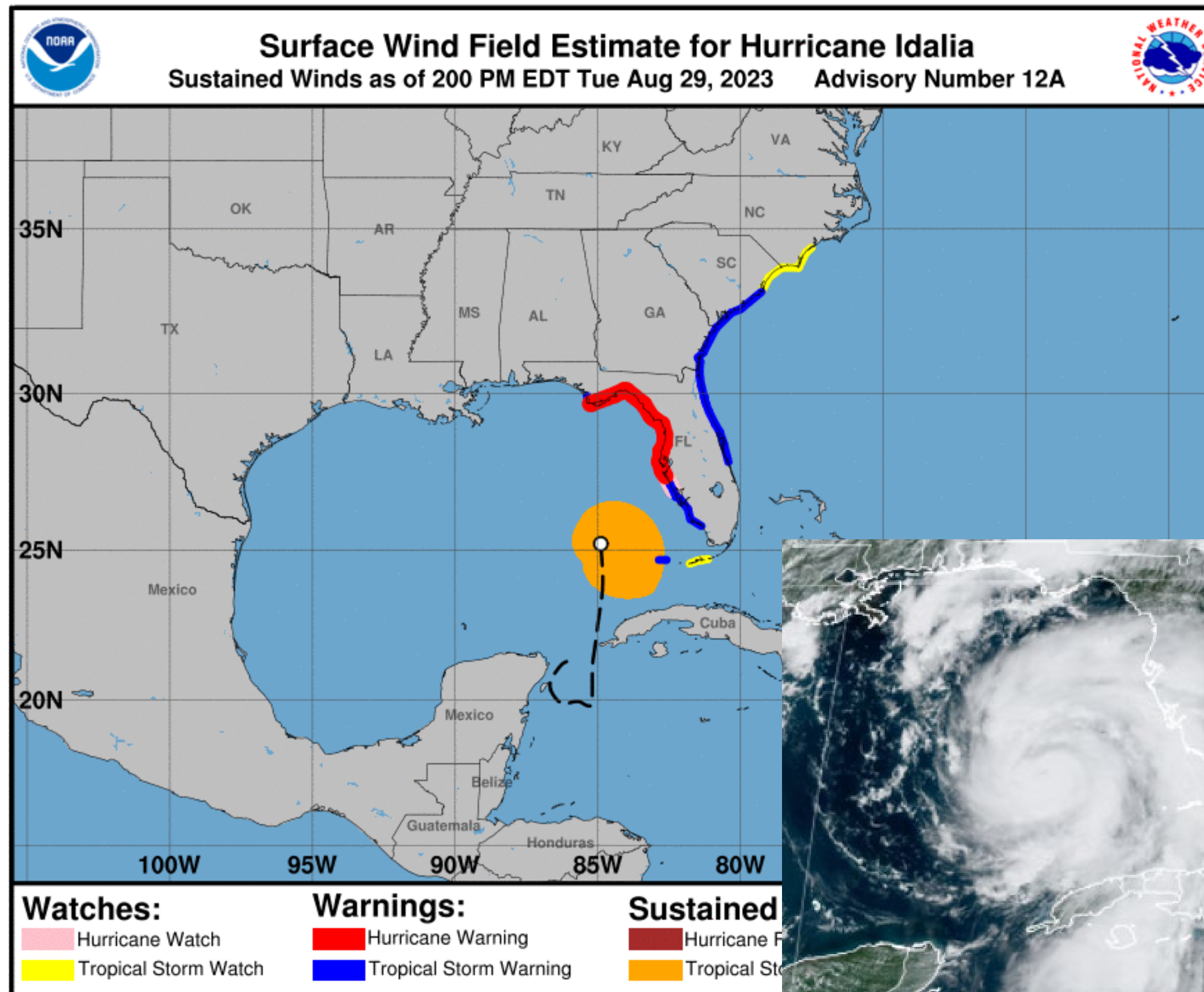


Situation Overview

Hurricane Idalia



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**IDALIA'S SQUALLS OVERSPREADING PORTIONS OF THE LOWER FLORIDA KEYS AND THE SOUTHWESTERN COAST OF FLORIDA...
...LIFE-THREATENING STORM SURGE AND HURRICANE CONDITIONS EXPECTED ALONG PORTIONS OF THE GULF COAST OF FLORIDA TONIGHT AND WEDNESDAY...**

SUMMARY OF 200 PM EDT...INFORMATION

LOCATION...25.2N 84.9W
ABOUT 110 NM WNW OF THE DRY TORTUGAS
ABOUT 205 NM SW OF TAMPA FLORIDA
MAXIMUM SUSTAINED WINDS...80 KT
PRESENT MOVEMENT...N AT 14 KT
PEAK SEAS...28 FT

SIZE

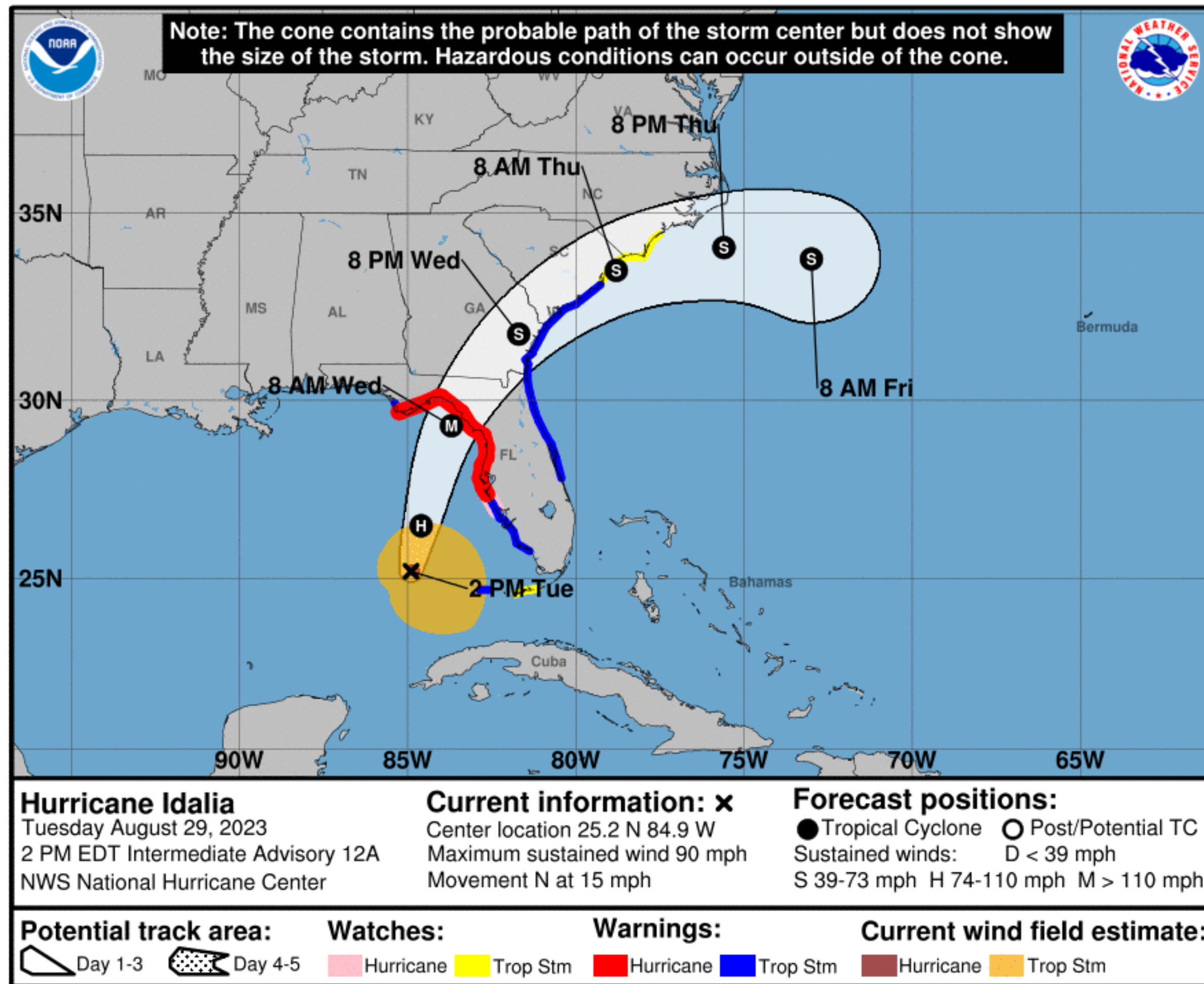
64 KT..... 15NE 15SE 0SW 10NW.
50 KT..... 30NE 40SE 20SW 20NW.
34 KT..... 100NE 140SE 50SW 60NW.
12 FT SEAS.. 90NE 150SE 60SW 75NW.

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.

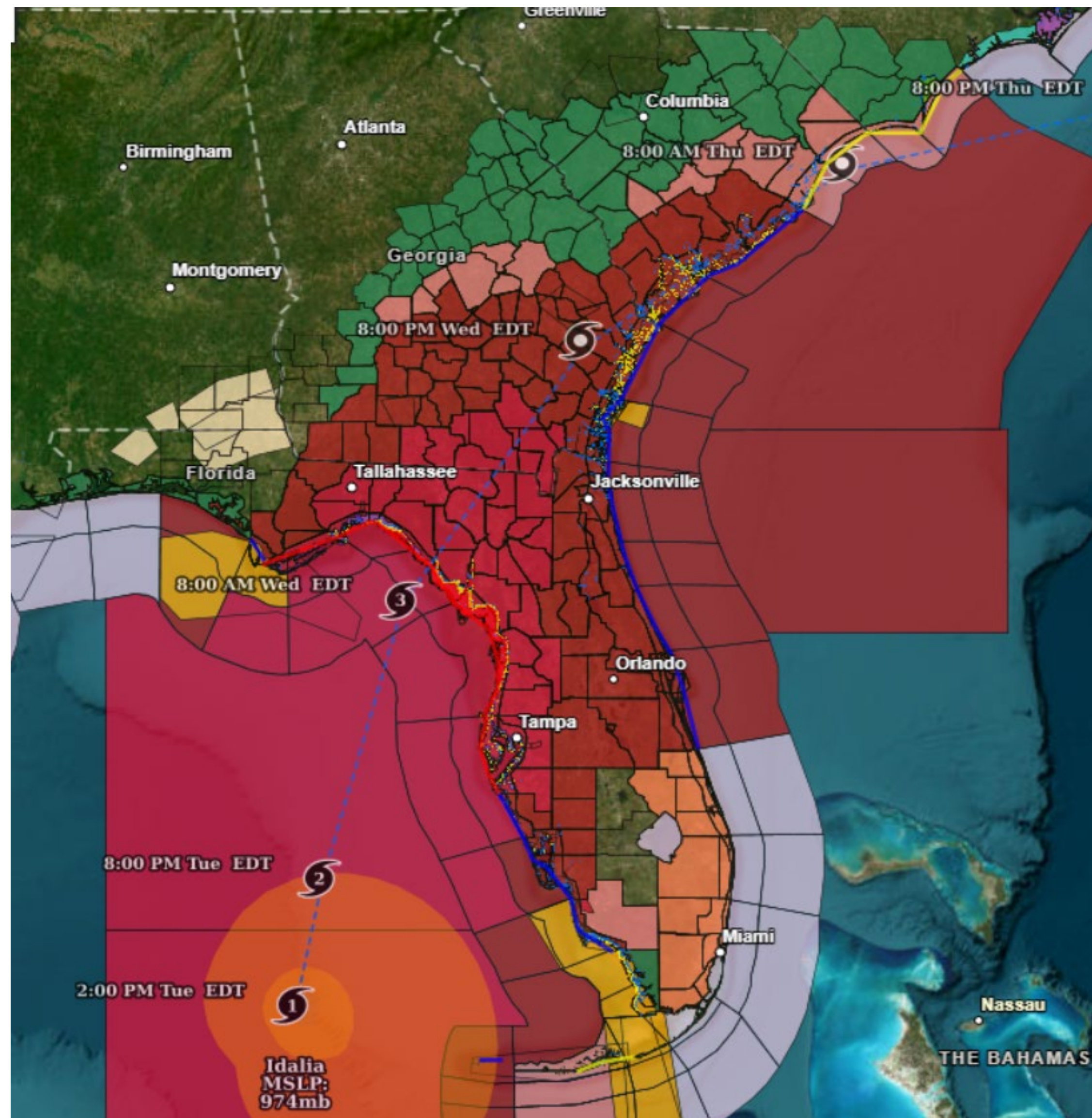
- Idalia will turn gradually toward the NE during the next two days
 - Idalia is expected to strengthen into a major hurricane before landfall along Apalachee Bay on Wed morning
 - After landfall, Idalia will weaken while it tracks along the Atlantic coast of Georgia and the Carolinas as a tropical storm
 - Current center forecast positions through the next 3 days 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



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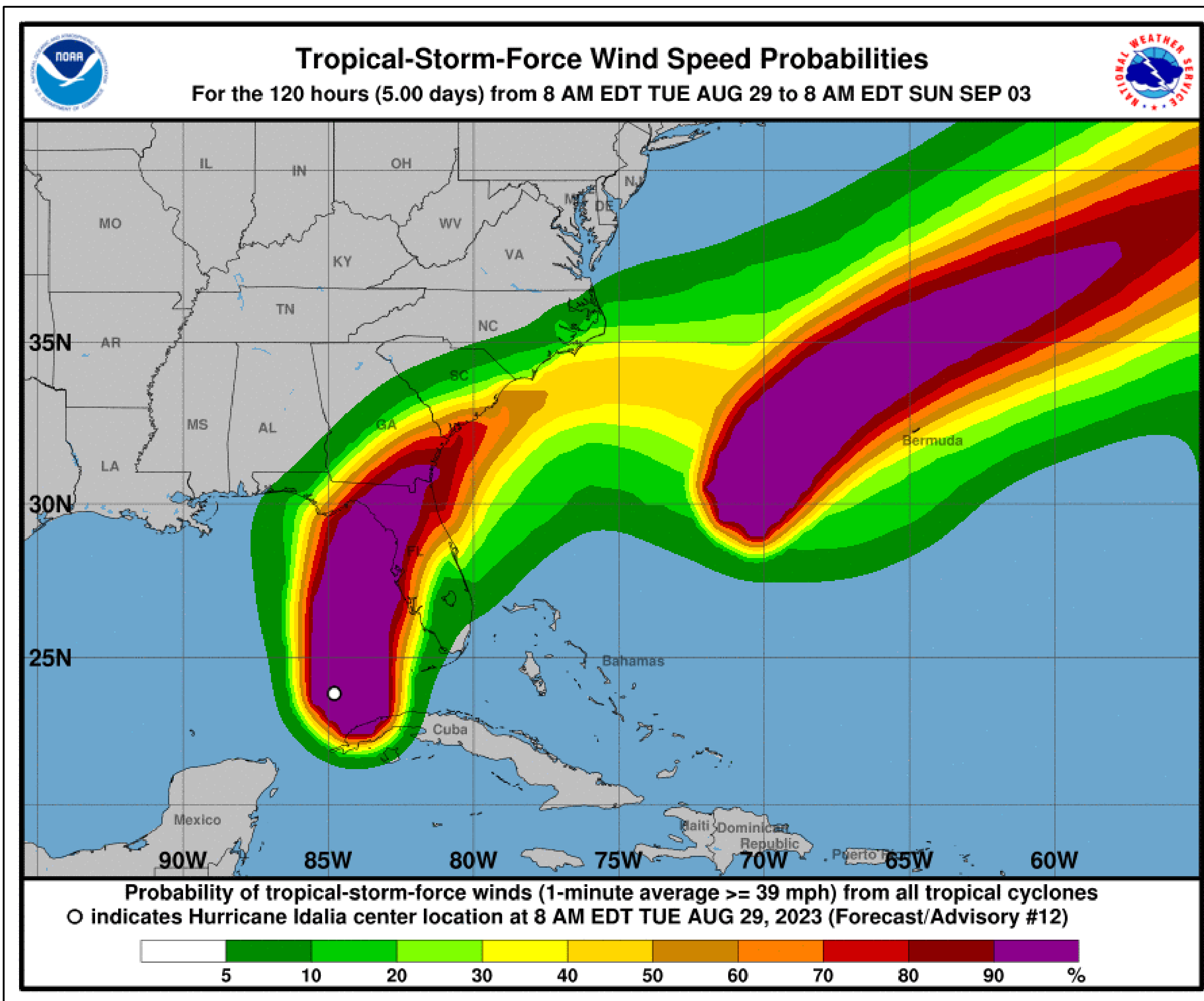
- <https://nowcoast.noaa.gov/>

T.S. Wind Speed Probabilities

Hurricane Idalia



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- PANAMA CITY FL 35%
- **APALACHICOLA FL 70%**
- **TALLAHASSEE FL 65%**
- **CEDAR KEY FL 100%**
- **TAMPA FL 95%**
- FT. MYERS 20%
- NAPLES FL 30%
- FT. PIERCE 15%
- COCOA BEACH FL 30%
- **JACKSONVILLE 85%**
- **MAYPORT FL 85%**
- **KINGS BAY GA 90%**
- **SAVANNAH GA 70%**
- **BEAUFORT SC 75%**
- **CHARLESTON SC 65%**

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

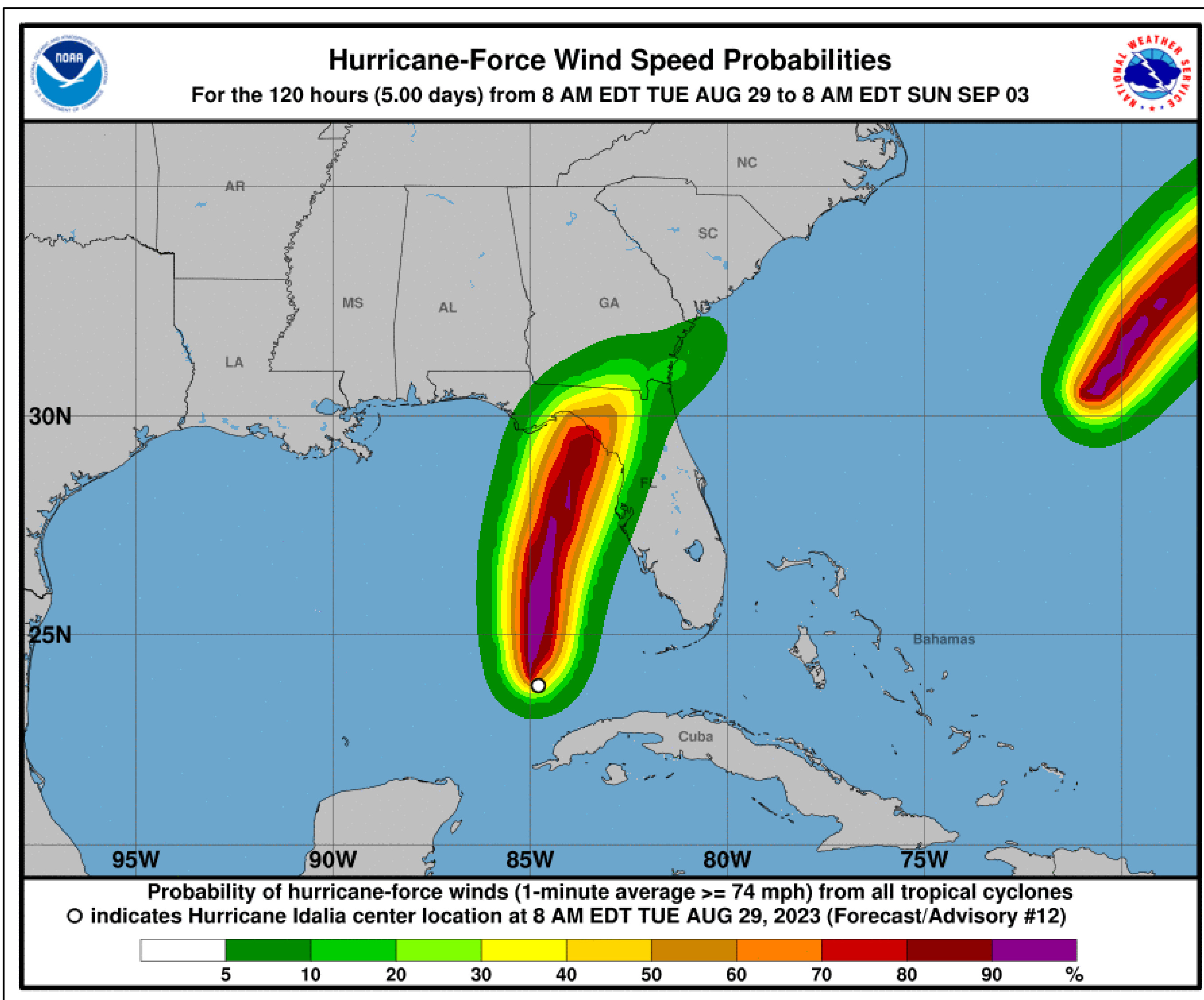
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%. Yellow to orange is 31-70%. Red through purple are the highest probabilities of 71%-100

Hurricane Wind Speed Probabilities

Hurricane Idalia



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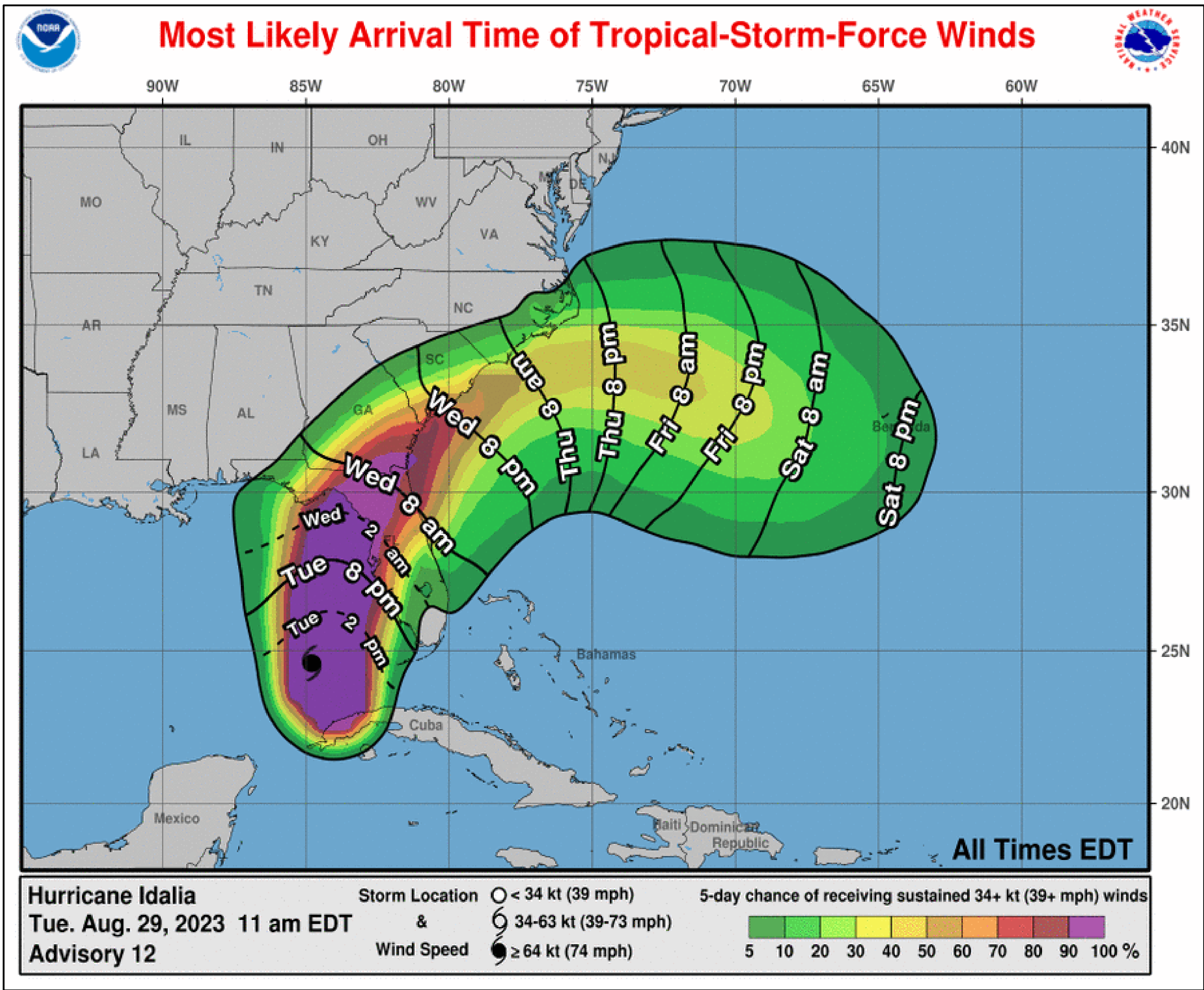
- APALACHICOLA FL 15%
- **CEDAR KEY FL 45%**
- MAYPORT FL 10%
- KINGS BAY GA 15%
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100

Most Likely Time of Arrival and Tropical Storm Windspeed Probabilities

Hurricane Idalia



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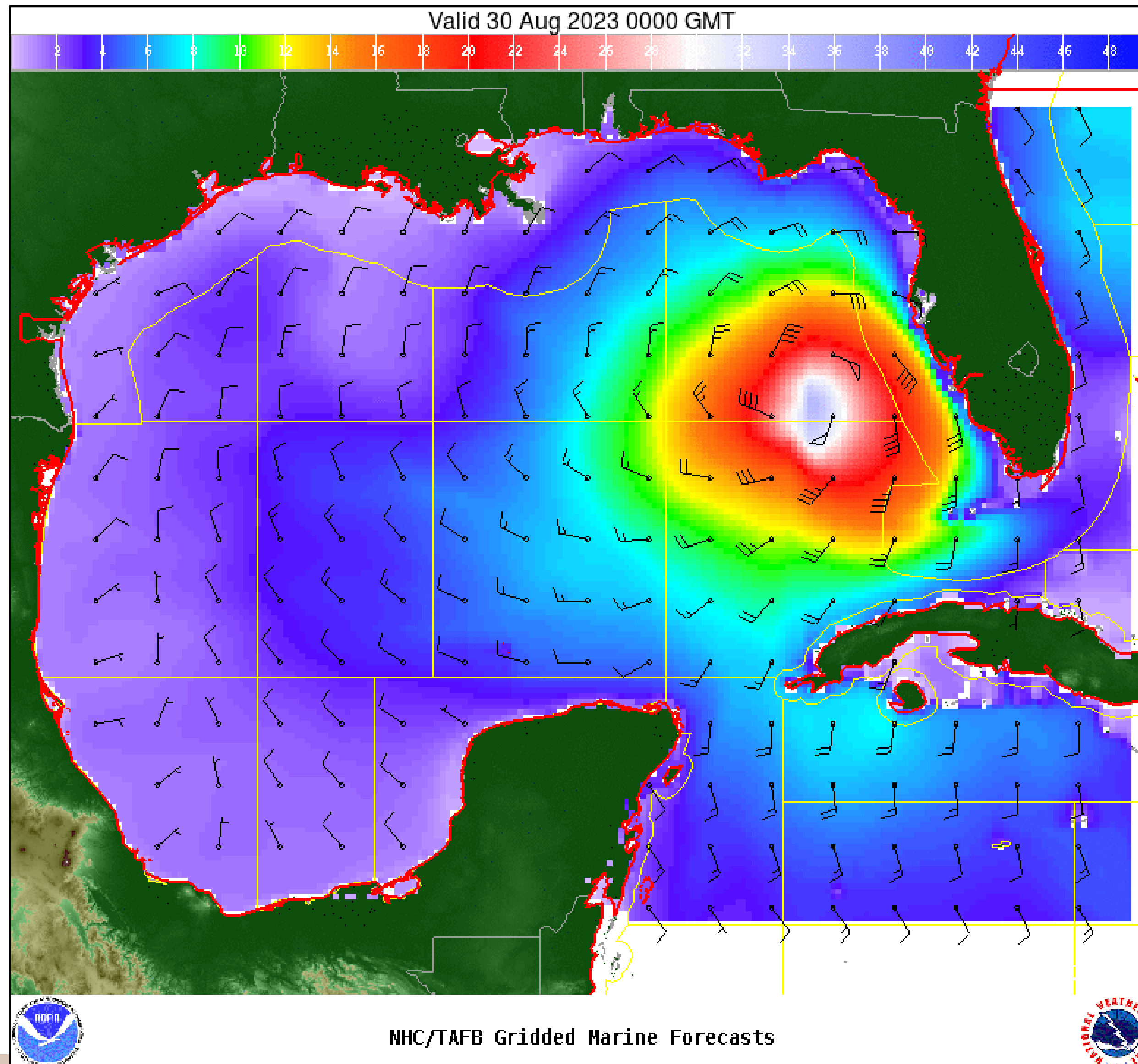
- Tampa Bay – Tonight
 - Florida Big Bend – Late tonight
 - Jacksonville – Wed morning
 - Charleston – Wed night
-
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
 - Clear or dark green are the lowest chances 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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6-HOUR FORECAST

8pm EDT, Tuesday, Aug 29th

Peak Winds: 90 KT

Peak Seas: 33 FT

- Wave heights are in feet



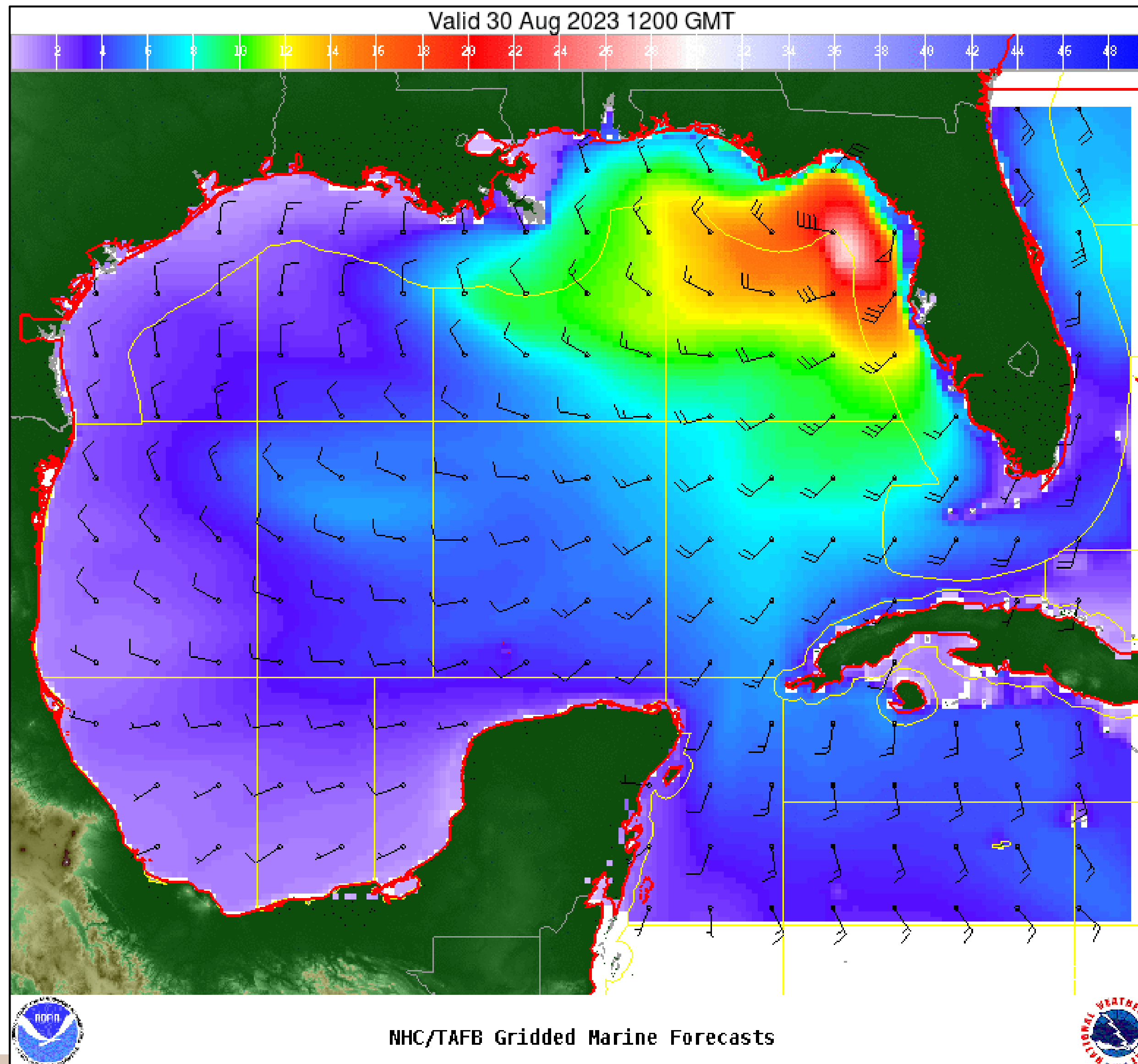
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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18 Hour Forecast

8am EDT, Wednesday, August 30th

Peak Winds: 110 KT

Peak Seas: 26 FT

- Wave heights are in feet



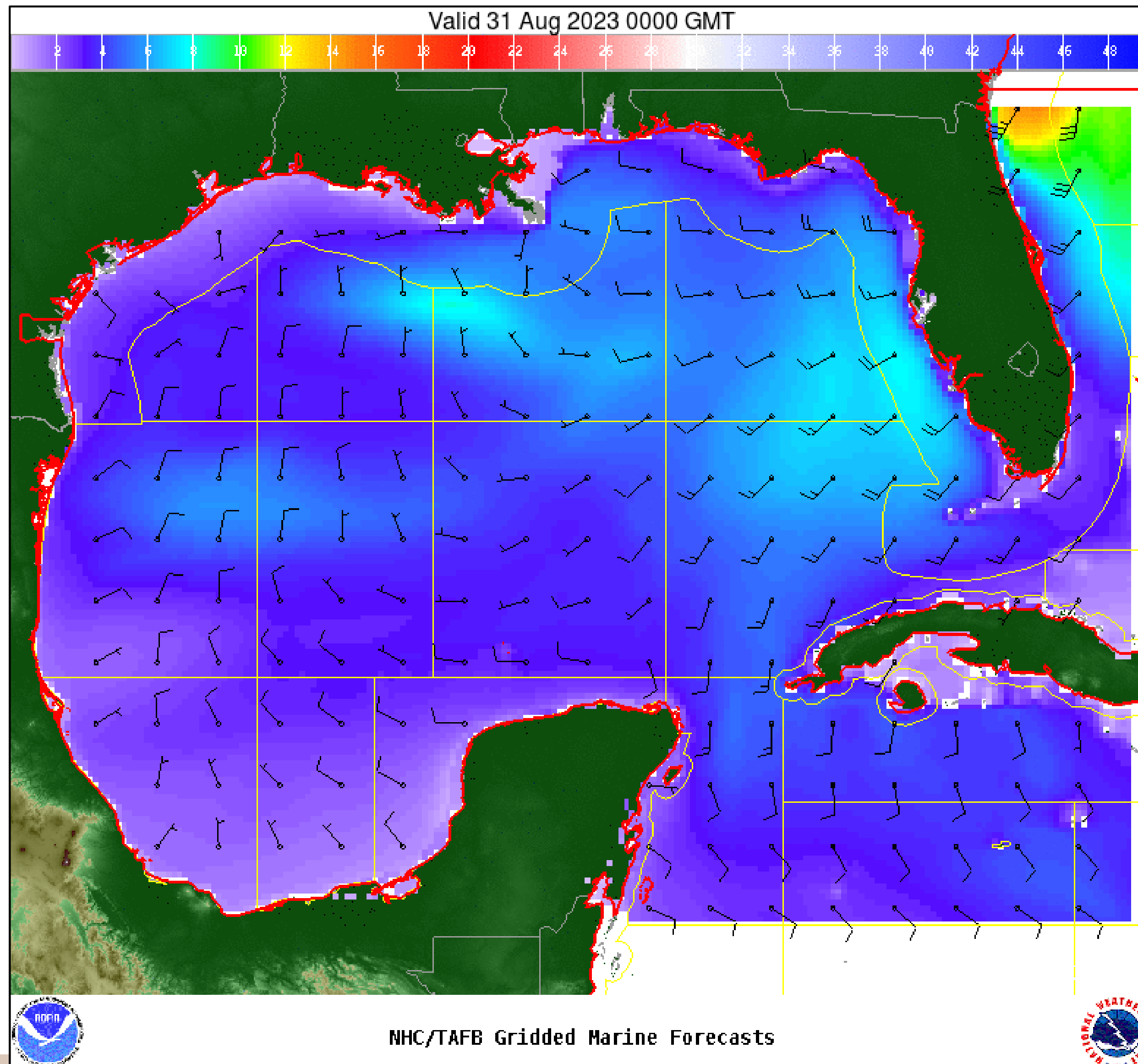
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



Tropical Analysis and Forecast Branch
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30 Hour Forecast

8pm, Wednesday, August 30th

Peak Winds: 20 KT (in Gulf)

Peak Seas: 8 FT (in Gulf)

- Wave heights are in feet



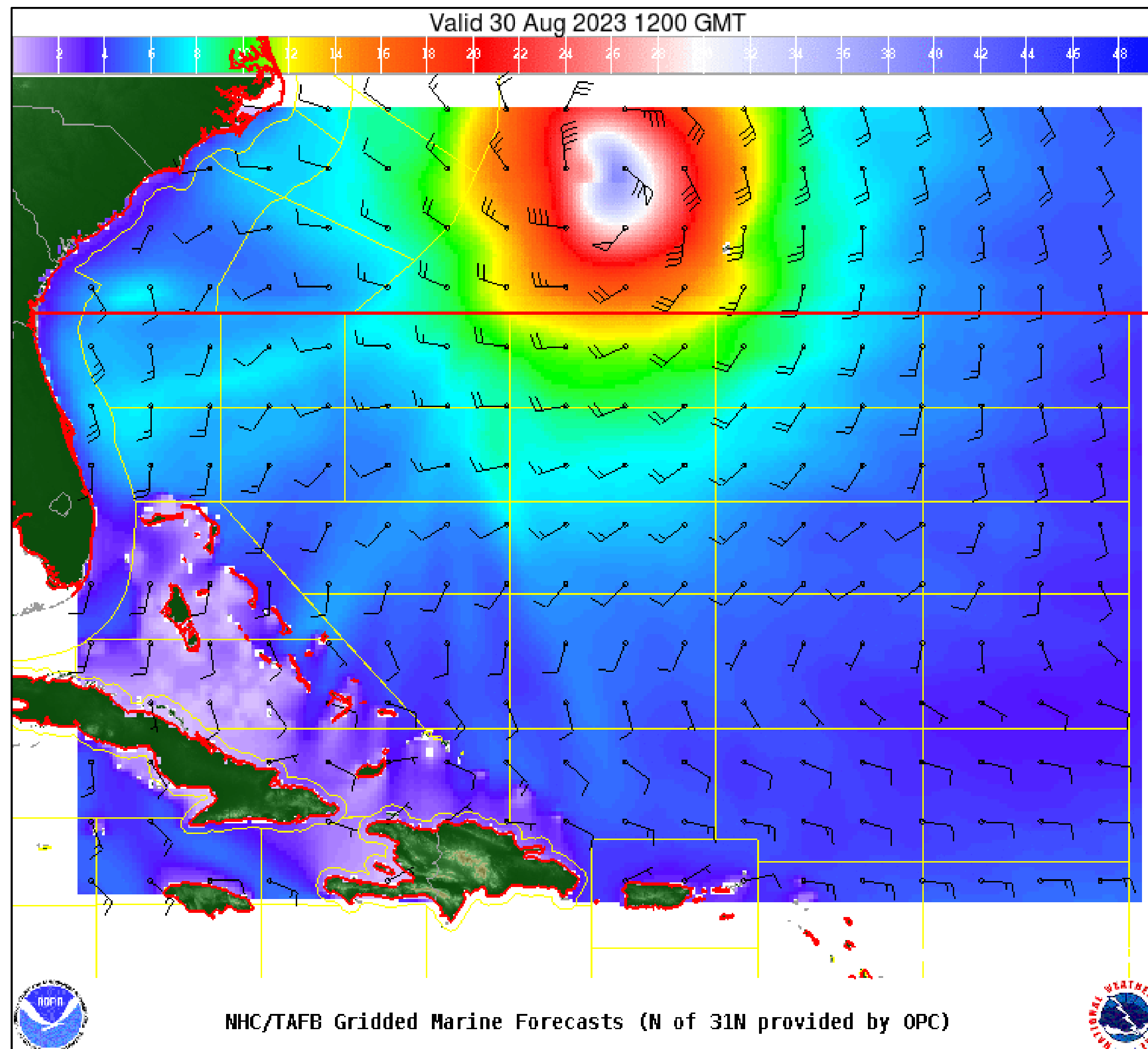
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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NWS National Hurricane Center



18 Hour Forecast

8am EDT, Wednesday, August 30th

Peak Winds: 25 KT (For Idalia)

Peak Seas: 8 FT (For Idalia)

- Wave heights are in feet



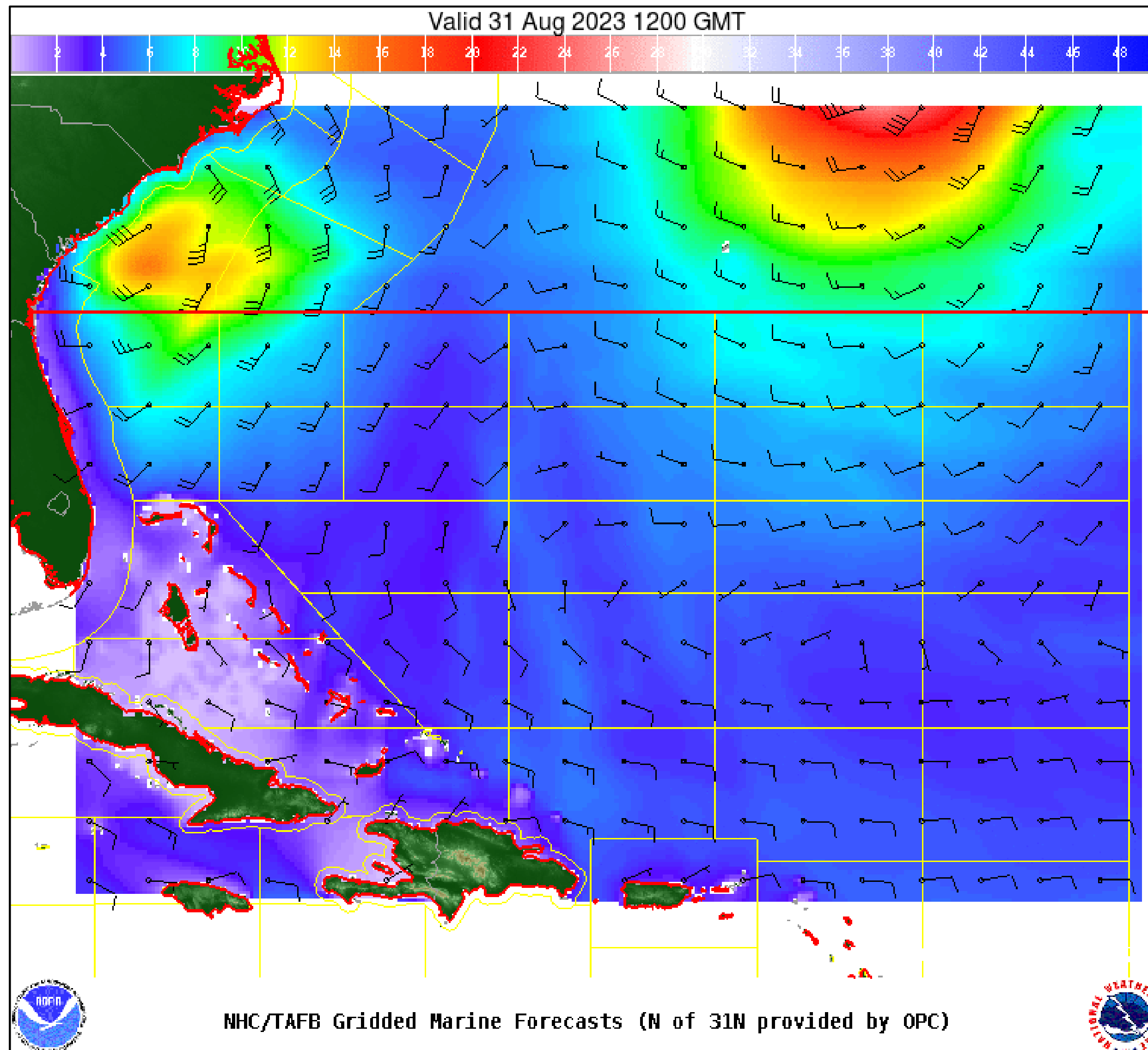
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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42 Hour Forecast

8am, Thursday, August 31st

Peak Winds: 45 KT

Peak Seas: 15 FT

■ Wave heights are in feet



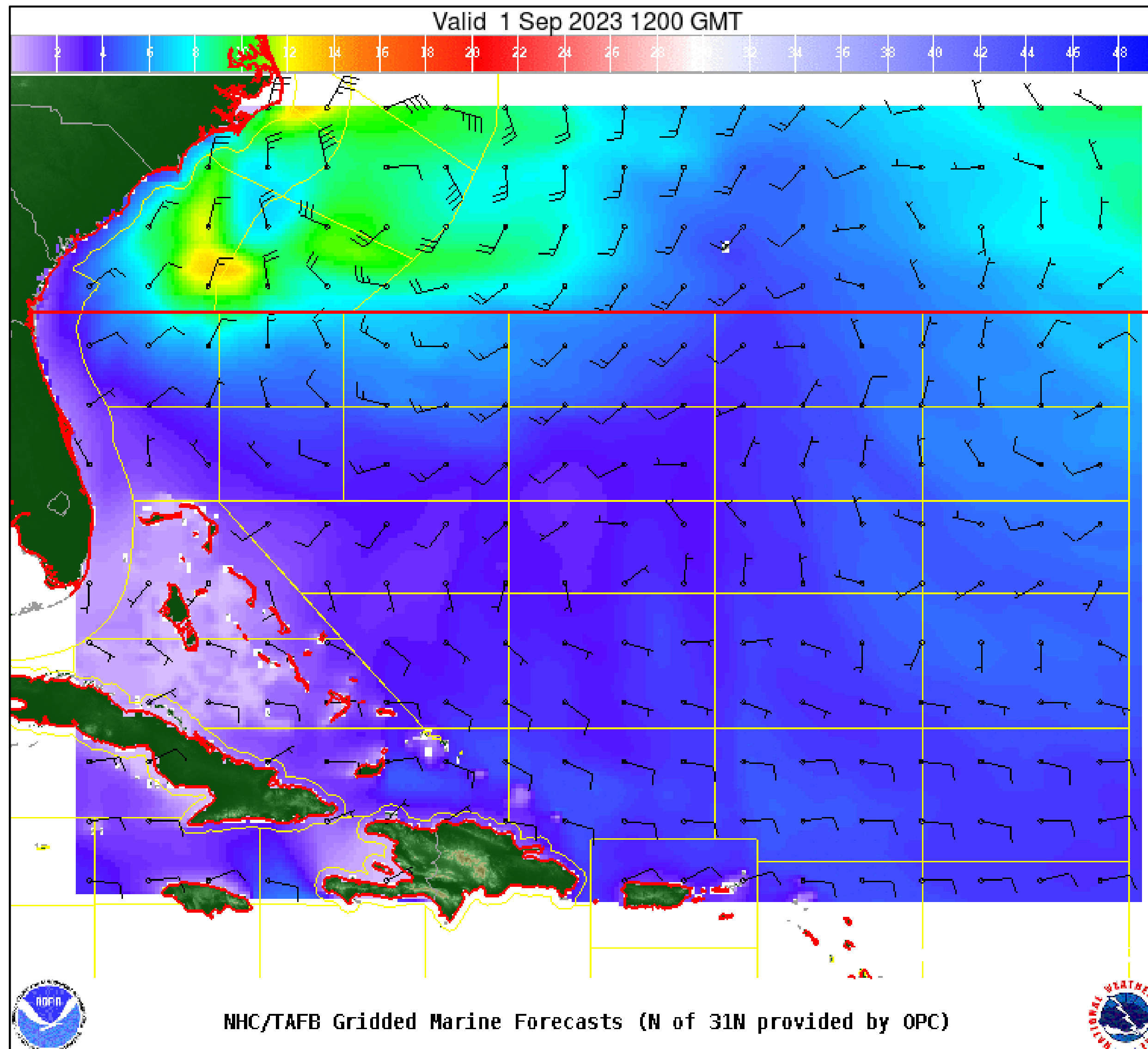
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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NWS National Hurricane Center



66 Hour Forecast

8am EDT Friday, September 1st

Peak Winds: 45 KT

Peak Seas: 15 FT

■ Wave heights are in feet



Significant Wave Height (ft)



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

- APALACHICOLA FL – Wed Noon
- TALLAHASSEE FL – Wed Afternoon
- CEDAR KEY FL – Wed Afternoon
- TAMPA FL – Wed Morning
- JACKSONVILLE – Wed Early Evening
- MAYPORT FL – Wed Early Evening
- KINGS BAY GA – Wed Night
- SAVANNAH GA – Wed Night
- BEAUFORT SC – Wed Midnight
- CHARLESTON SC – Thu Morning

Storm Surge Watches and Warnings



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Idalia



0 50 100mi

■ Storm Surge Warning
■ Storm Surge Watch

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

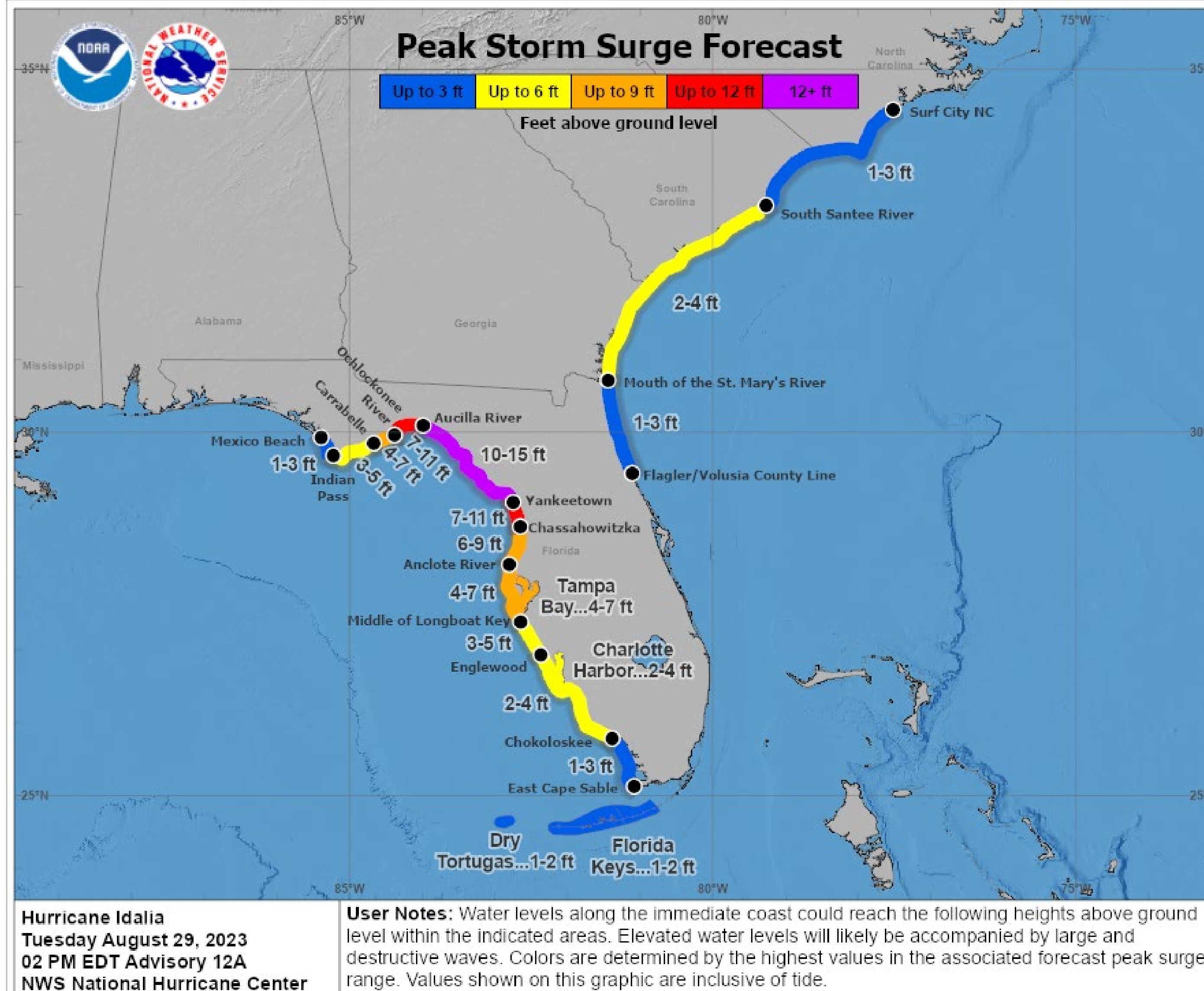
A Storm Surge *Watch* means there is a possibility of life-threatening inundation

Peak Storm Surge

Hurricane Idalia



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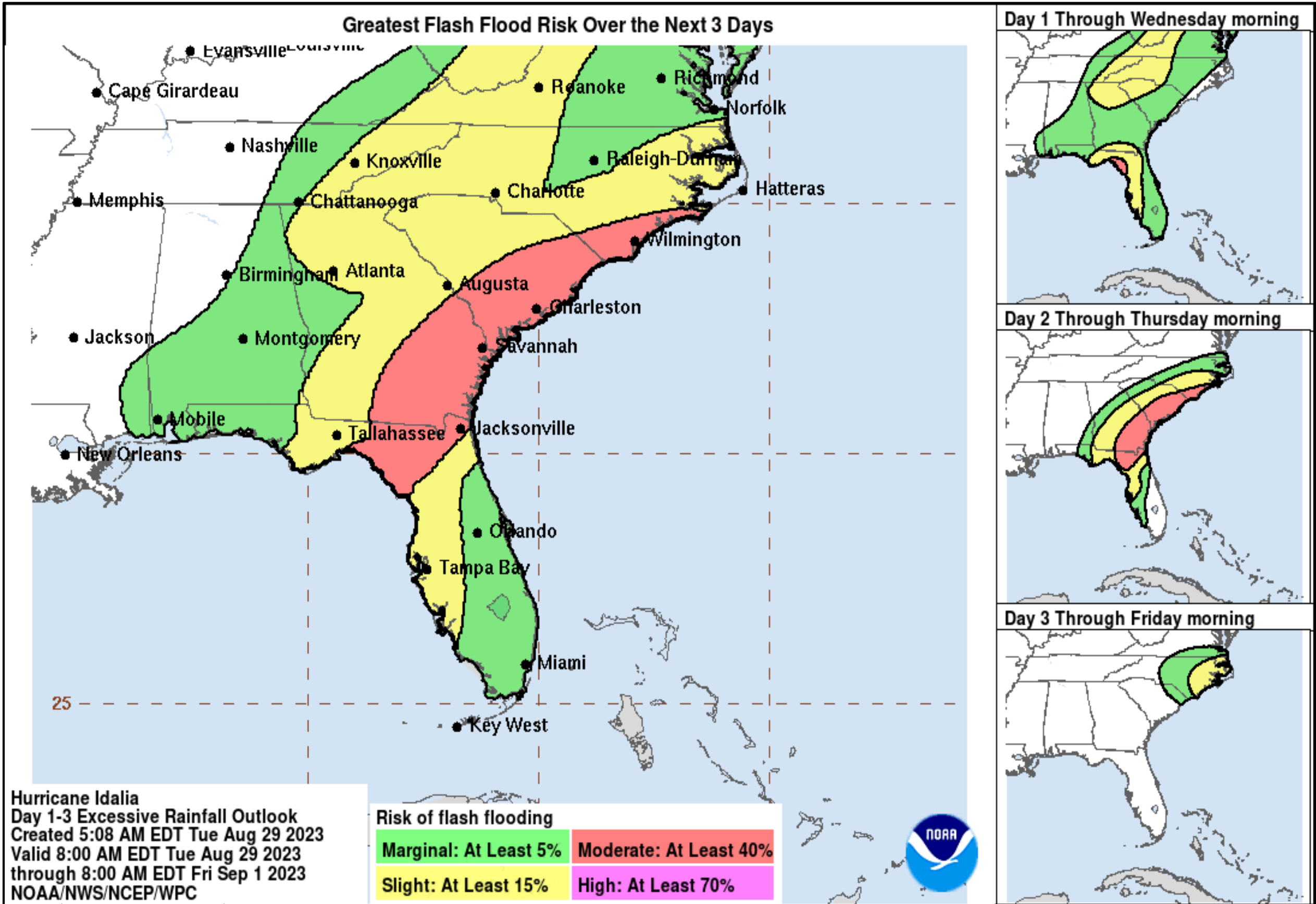
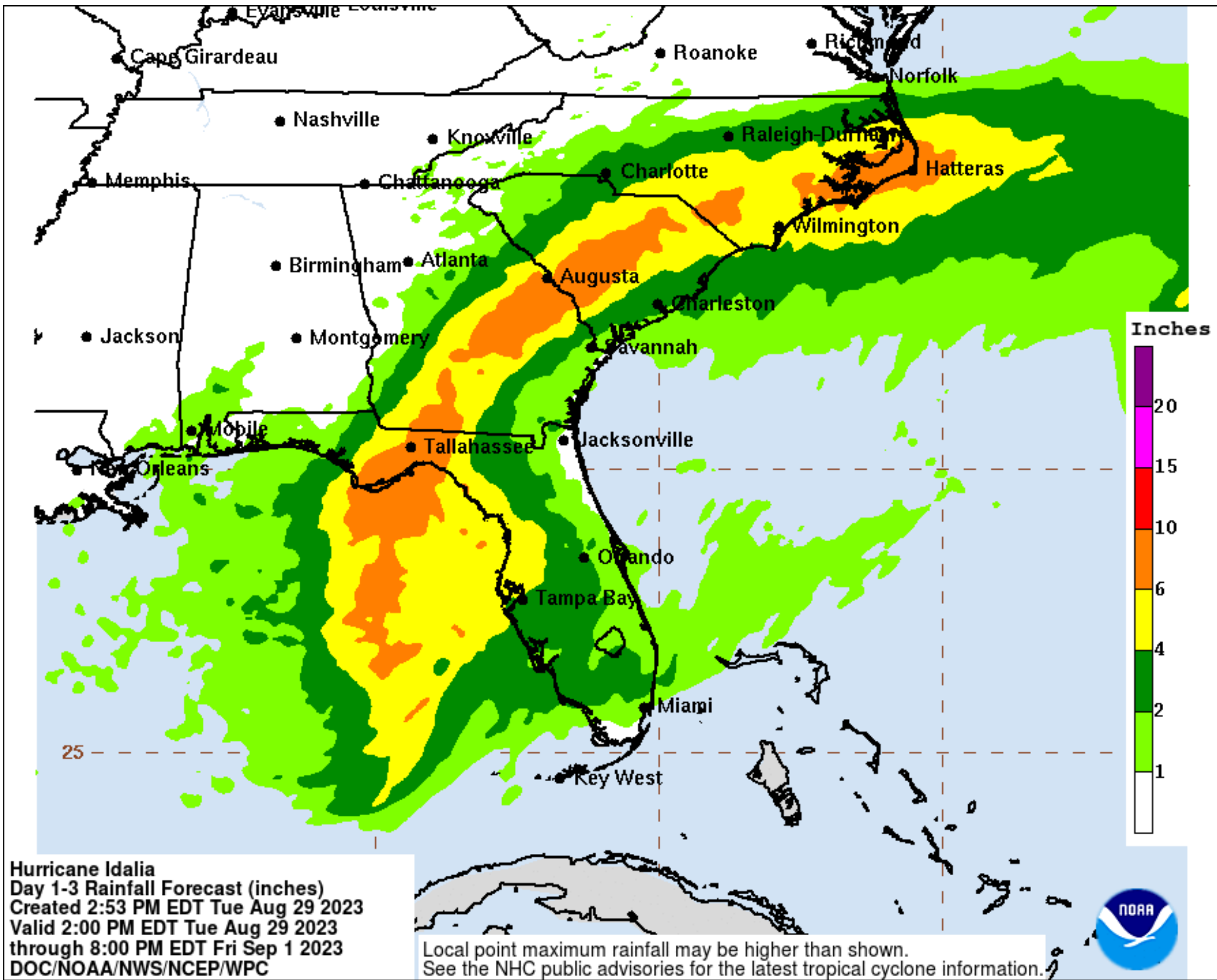
Expected Storm Total Rainfall and Chance of Rainfall Flooding

Hurricane Idalia

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



■ Rainfall Total Through Friday Night

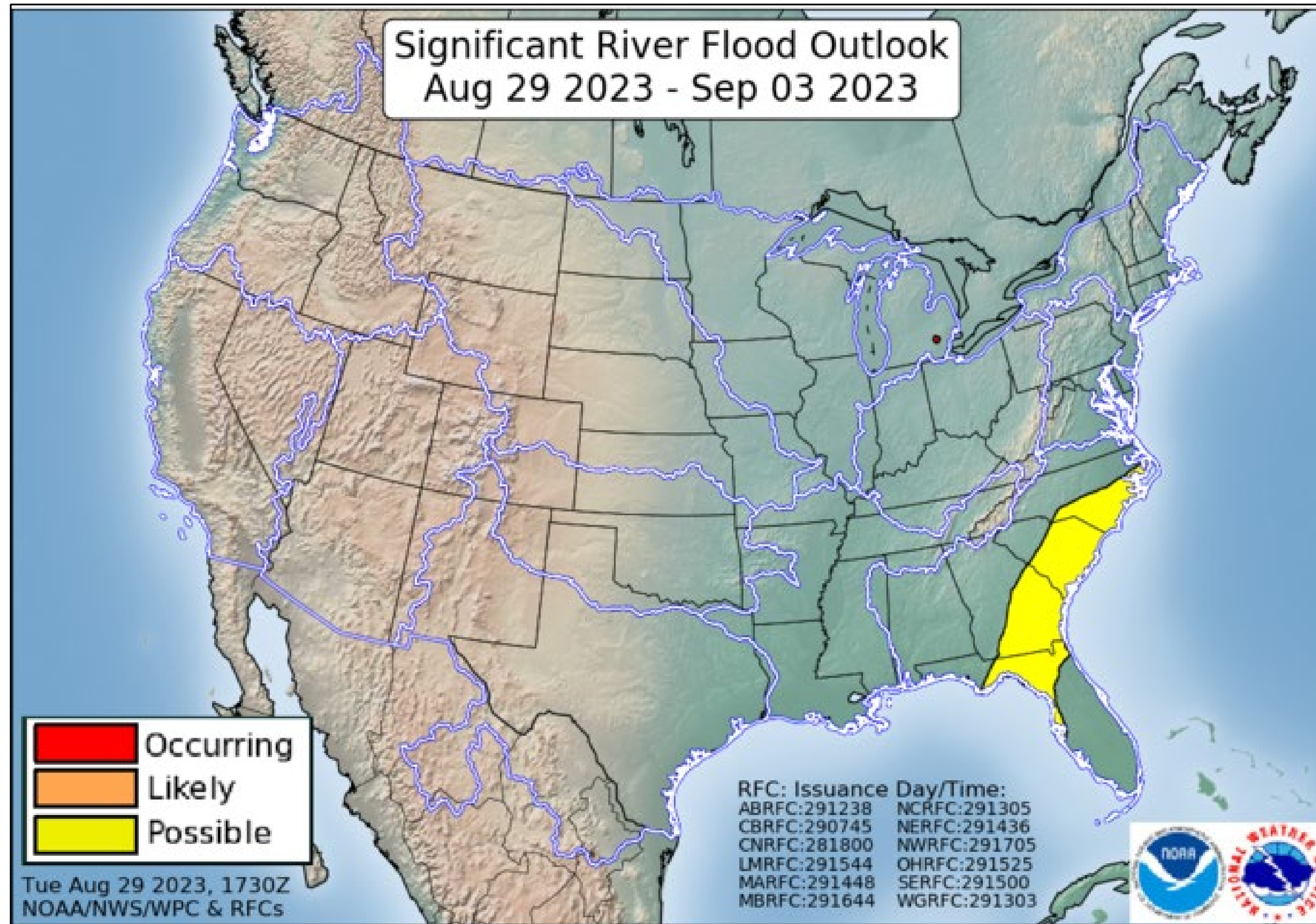
Risk of rainfall exceeding flash flood guidance
within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**
Valid Through Friday Morning

Flood Outlook

Hurricane Idalia



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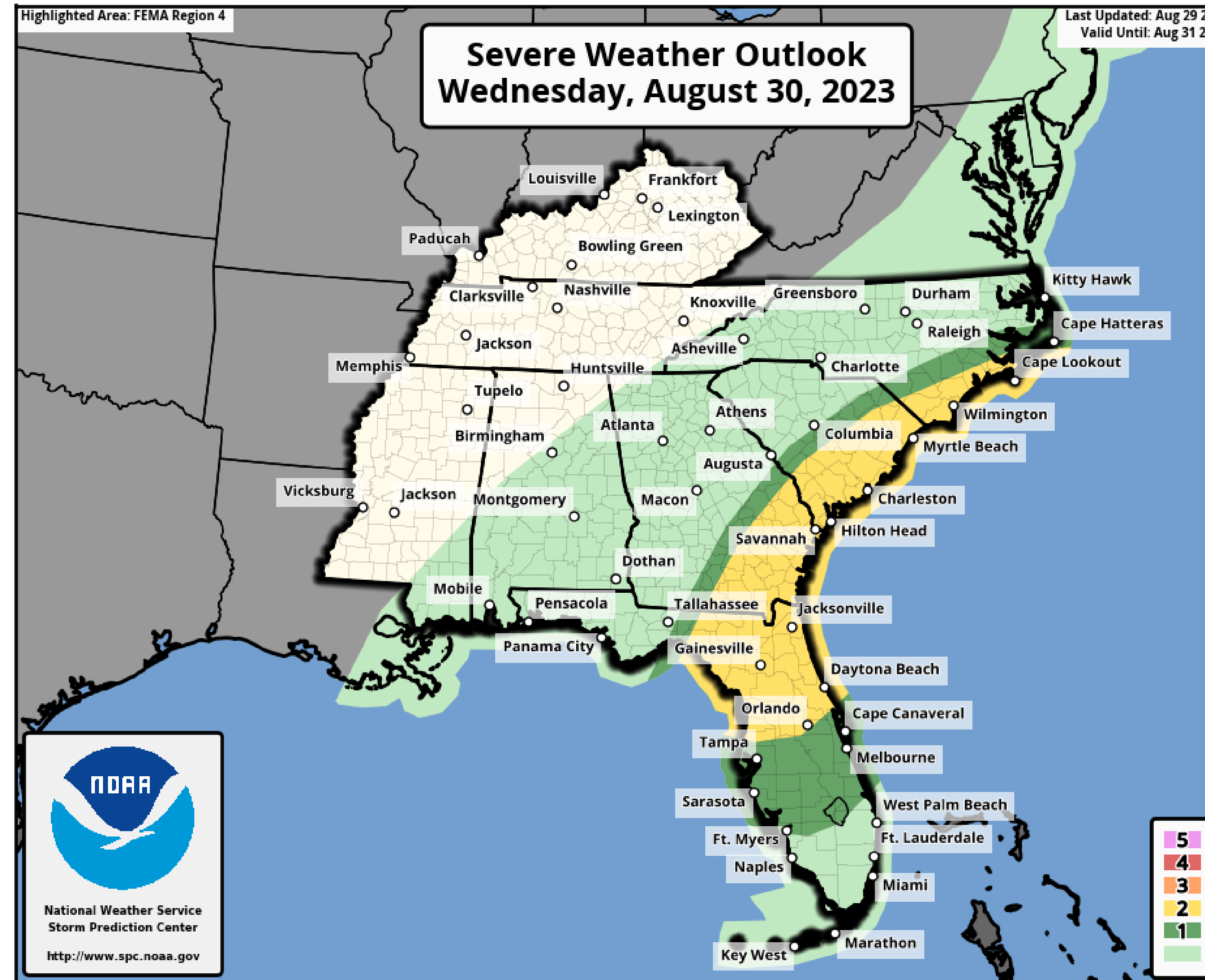
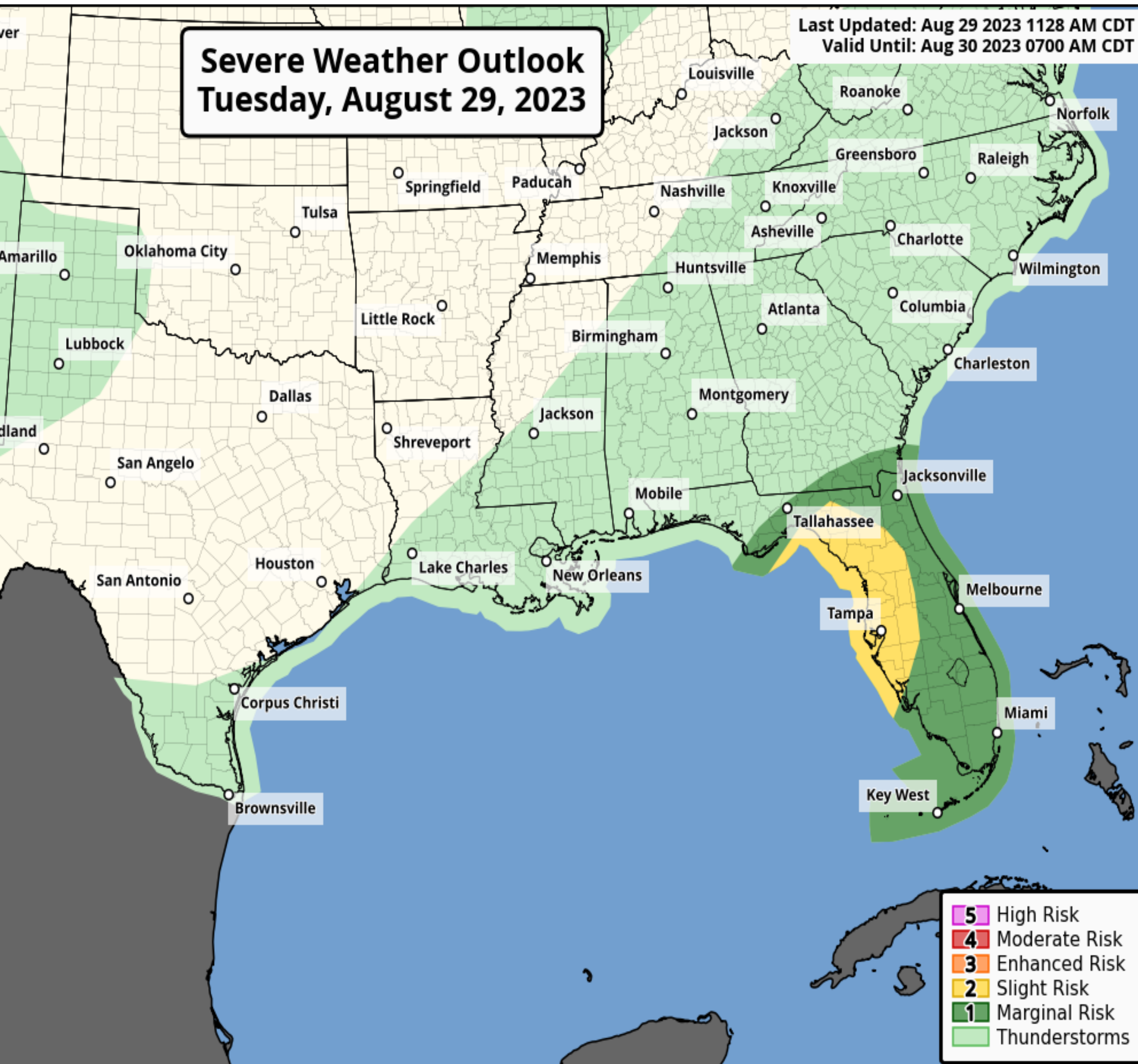
Tornado Outlook – Day 1 and 2

Hurricane Idalia

Image from NWS Storm Prediction Center



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NWS National Hurricane Center



Key Messages

Hurricane Idalia

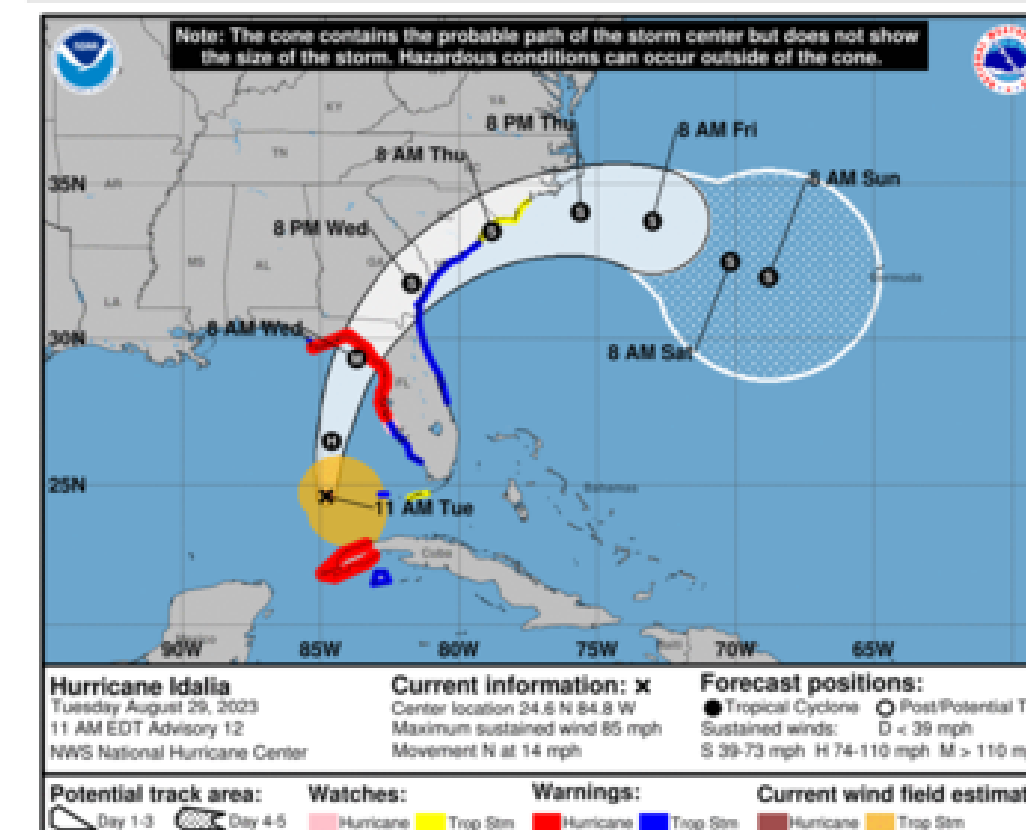
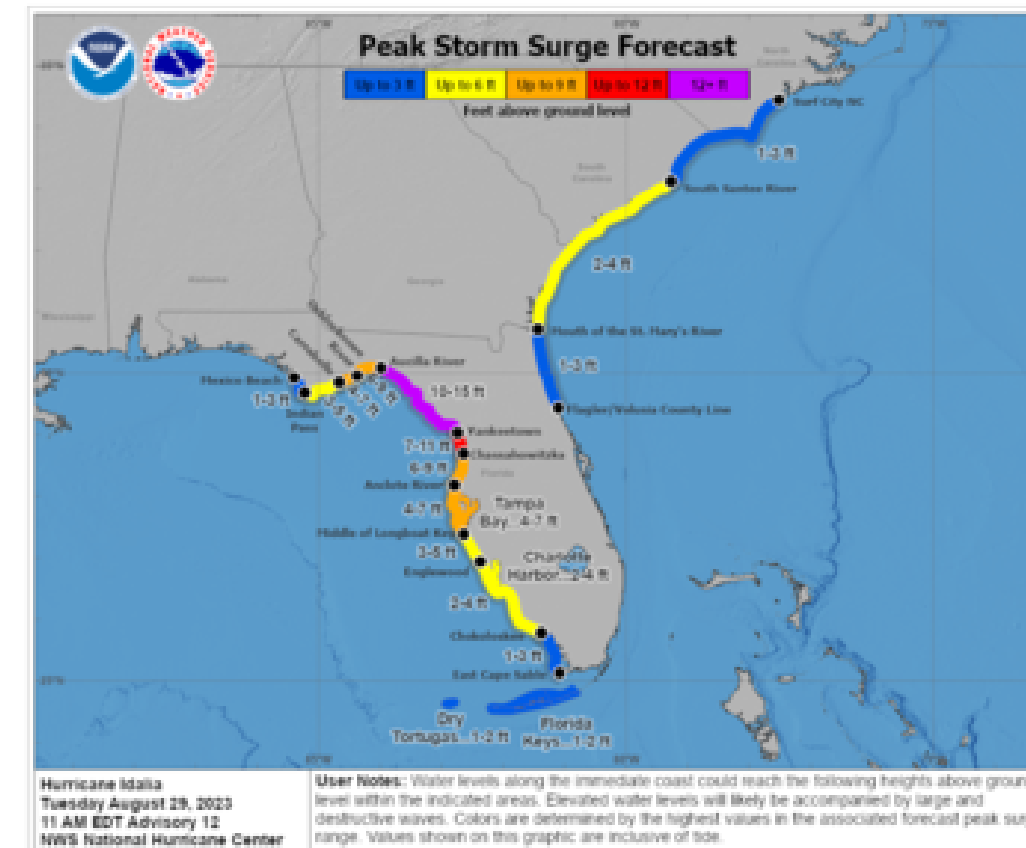


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Key Messages for Hurricane Idalia Advisory 12: 11:00 AM EDT Tue Aug 29, 2023

1. Catastrophic impacts from storm surge inundation of 10 to 15 feet above ground level and destructive waves are expected somewhere between Aucilla River and Yankeetown, Florida. Life-threatening storm surge inundation is likely elsewhere along portions of the Florida Gulf Coast where a Storm Surge Warning is in effect. Residents in these areas should follow any advice or evacuation orders given by local officials.
2. There is the potential for destructive life-threatening winds where the core of Idalia moves onshore in the Big Bend region of Florida, with hurricane conditions expected elsewhere in portions of the Hurricane Warning area along the Florida Gulf Coast. Strong winds will also spread inland across portions of northern Florida and southern Georgia near the track of the center of Idalia where Hurricane Warnings are in effect. Residents in these areas should be prepared for long-duration power outages.
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. Heavy rainfall from Tropical Storm Idalia is expected across portions western Cuba and may produce areas of flash and urban flooding as well as landslides.



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 are expected to peak around 33 ft
- Conditions will improve over the eastern Gulf by Wednesday evening

Atlantic:

- Seas are expected to quickly build off the NE Florida/GA/lower SC coast on Wednesday to 17 ft
- Conditions will improve off the SE US coast by Thu morning



HURRICANE IDALIA BRIEFING

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

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

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



NHC_TAFB

www.nhc.noaa.gov