

IMPACTS FOR D7 (through next 3 days)

Winds – Extreme

Storm Surge – Extreme

Rainfall/Flash Flooding – High

Tornadoes – Medium

Waves - Extreme

HURRICANE IDALIA BRIEFING



9:00 AM EDT

Wednesday, August 30, 2023

Prepared by:

Chris Landsea and **Patrick Chan**

Tropical Analysis and Forecast Branch

NWS National Hurricane Center

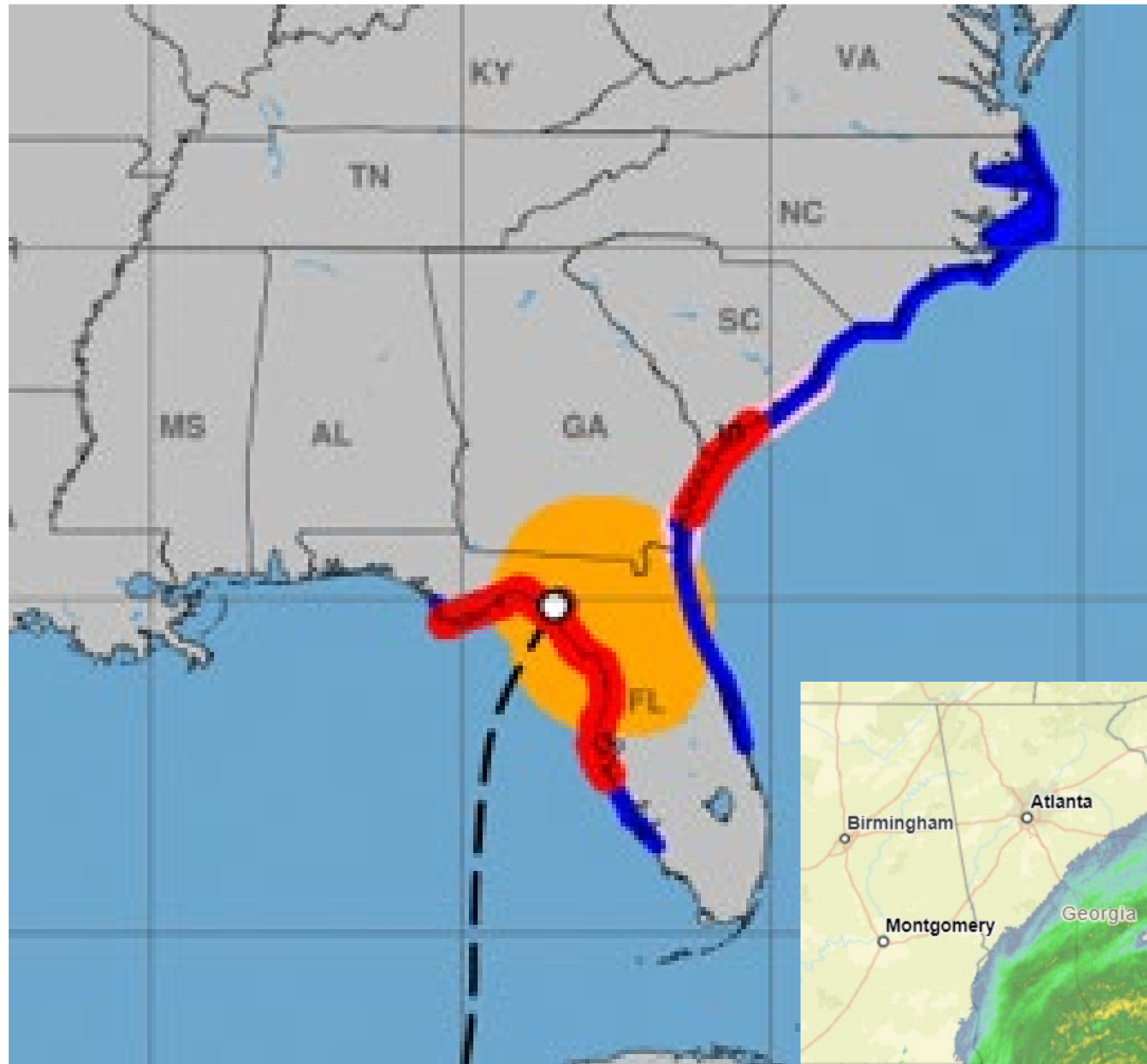


Situation Overview

Hurricane Idalia



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NWS National Hurricane Center



**...EYE OF IDALIA MOVING JUST INLAND FROM THE
FLORIDA BIG BEND COAST...**

**...CATASTROPHIC STORM SURGE AND DAMAGING
HURRICANE-FORCE WINDS CONTINUE...**

SUMMARY OF 800 AM EDT INFORMATION

LOCATION...29.9N 83.5W

ABOUT 10 NM SSE OF PERRY FLORIDA

MAXIMUM SUSTAINED WINDS...105 KT

PRESENT MOVEMENT...NNE AT 16 KT

PEAK SEAS: 25 FT

SIZE:

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

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

34 KT.....120NE 150SE 50SW 60NW.

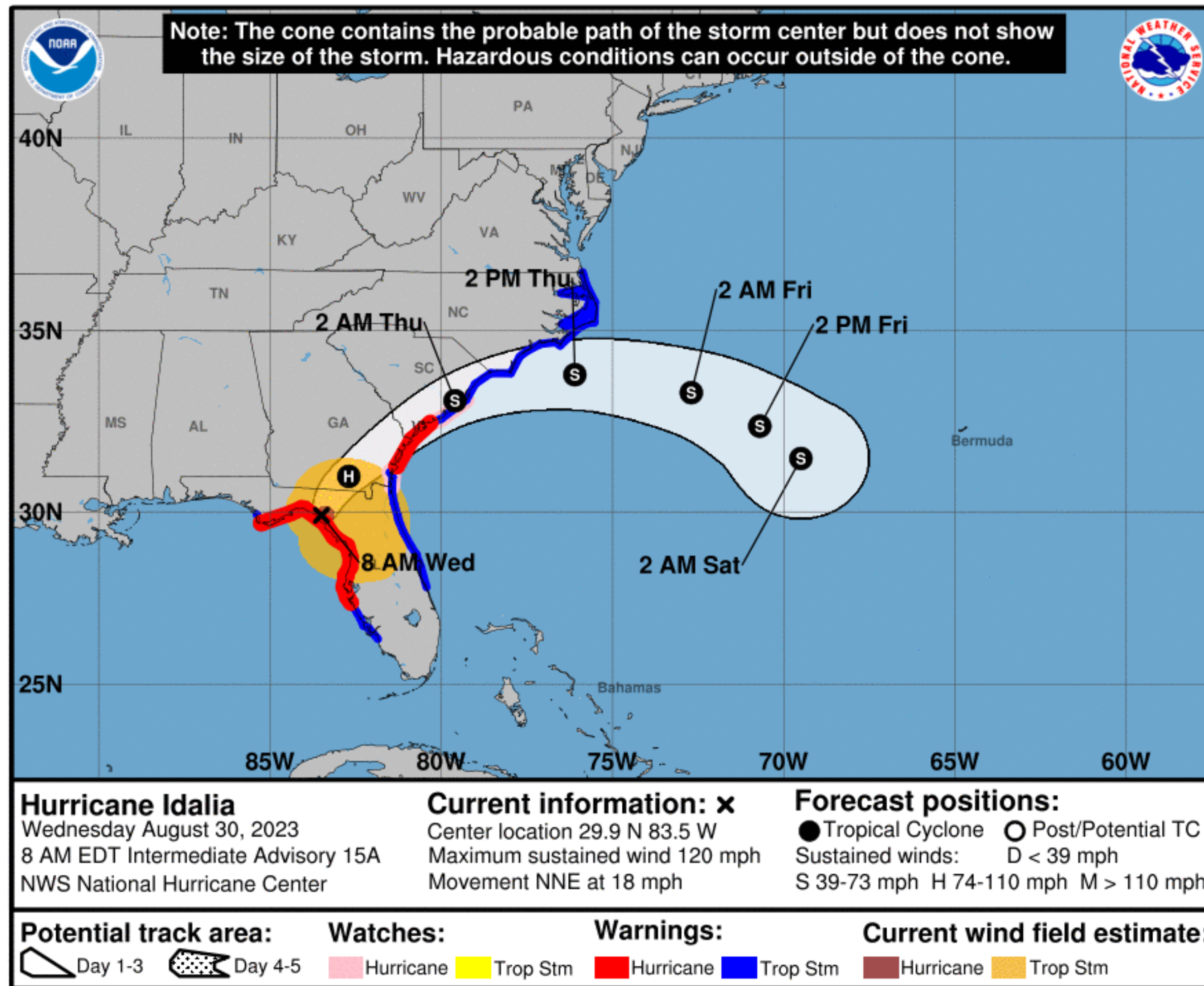
12 FT SEAS.. 90NE 150SE 135SW 135NW.

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 just made landfall as a 125-mph Category 3 Hurricane at 7:45 am near Keaton Beach, FL**
- **Idalia will turn gradually toward the E during the next two days at about the same forward speed**
- **After landfall, Idalia will weaken while it tracks along the coast of Georgia and the Carolinas**
- **Idalia is anticipated to produce 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
- 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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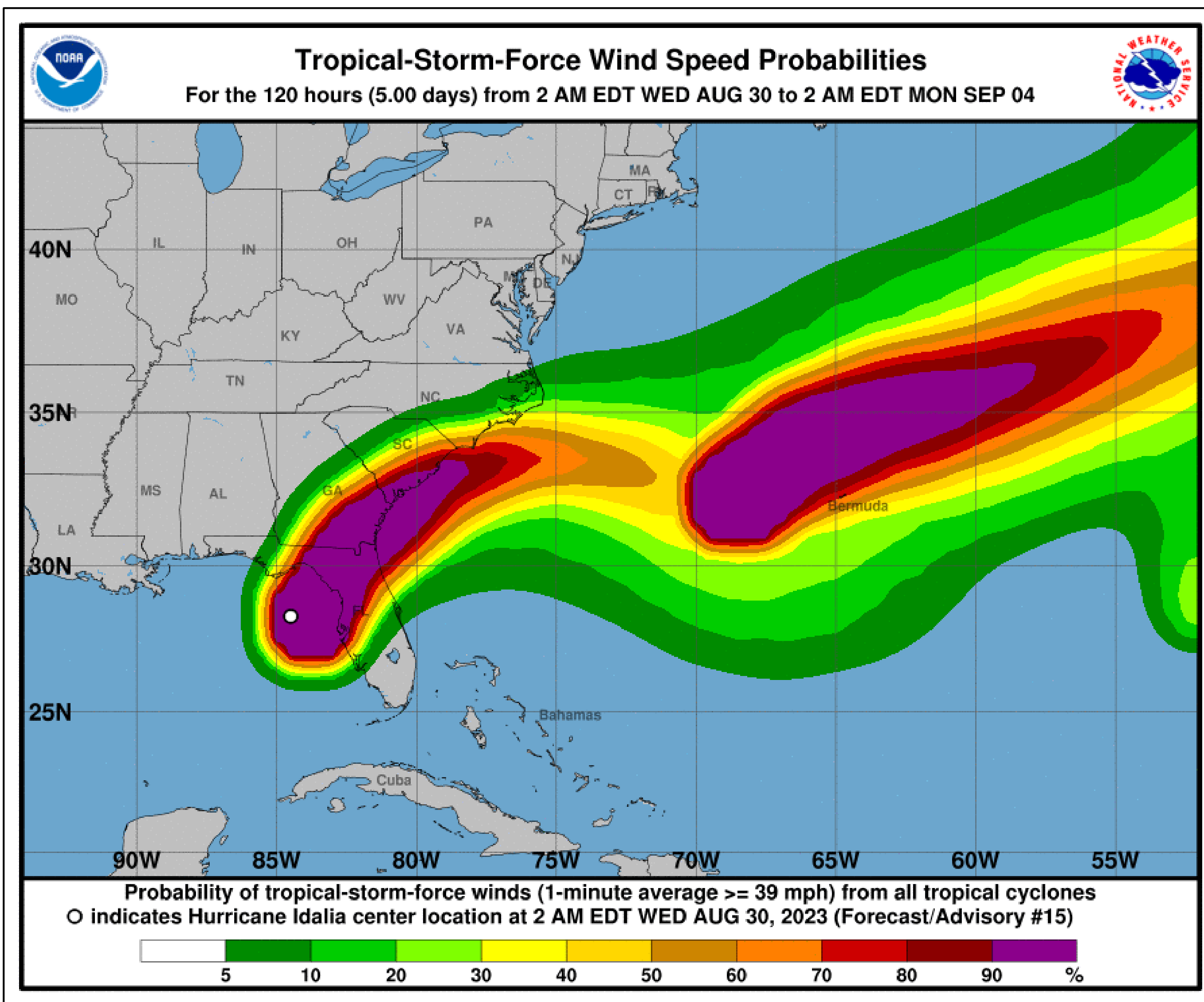


T.S. Wind Speed Probabilities

Hurricane Idalia



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- **TALLAHASSEE FL 35%**
- **CEDAR KEY FL 100%**
- **TAMPA FL 100%**

- **JACKSONVILLE 100%**
- **MAYPORT FL 100%**
- **KINGS BAY GA 100%**
- **SAVANNAH GA 100%**
- **BEAUFORT SC 100%**
- **CHARLESTON SC 95%**

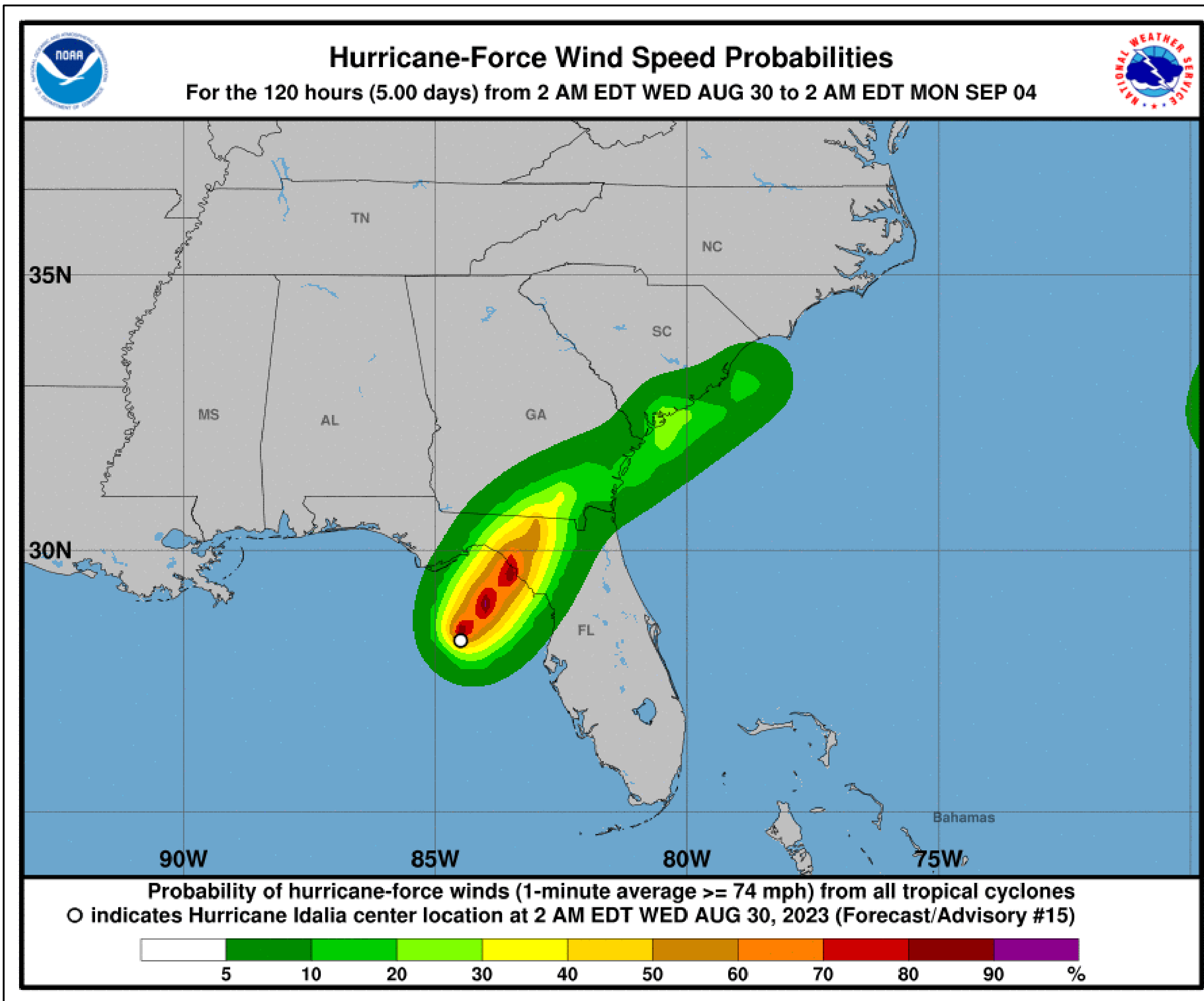
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to range is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color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

Hurricane Wind Speed Probabilities



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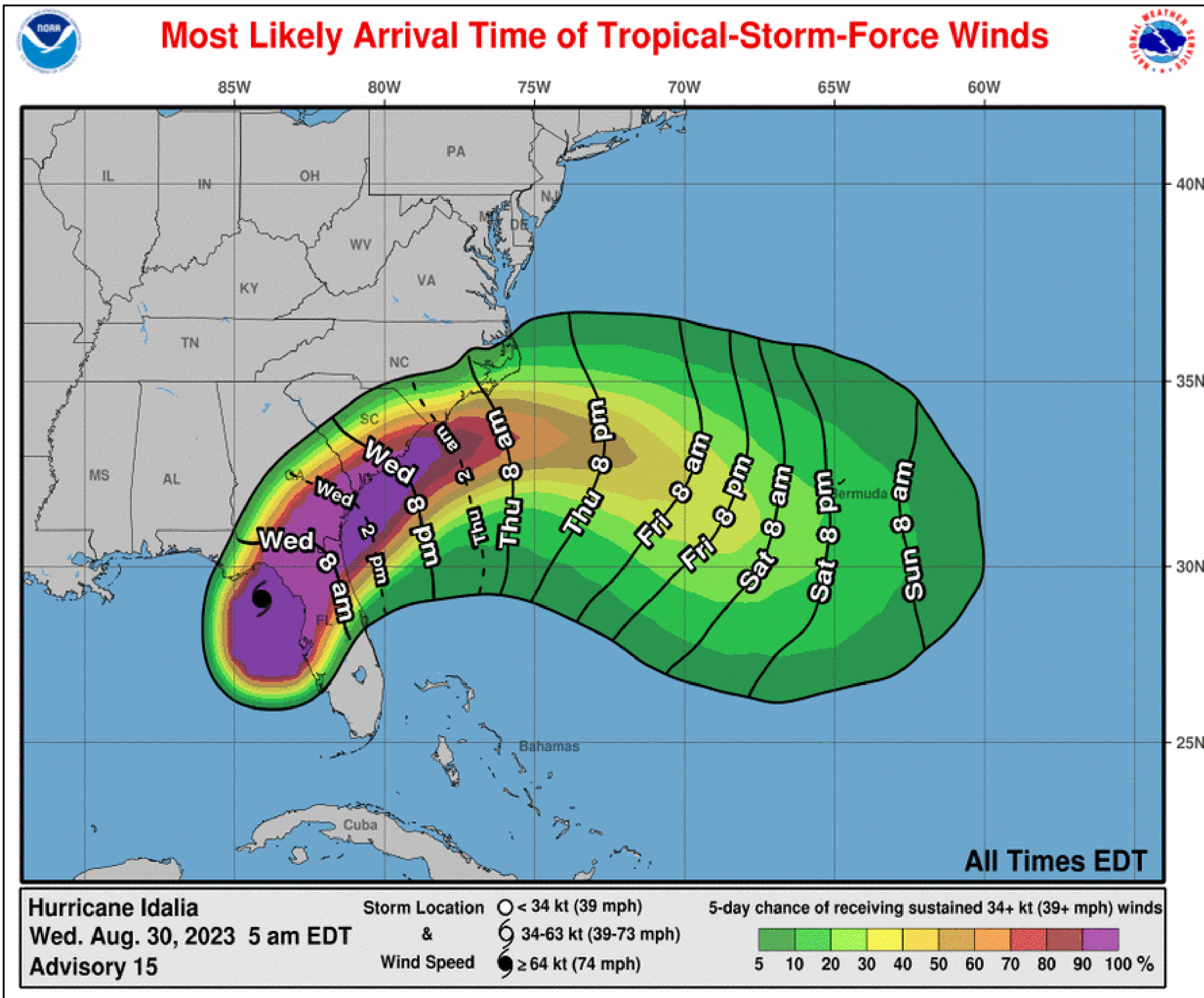
Hurricane Idalia



- KINGS BAY GA 10%
- BEAUFORT SC 20%
- CHARLESTON SC 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



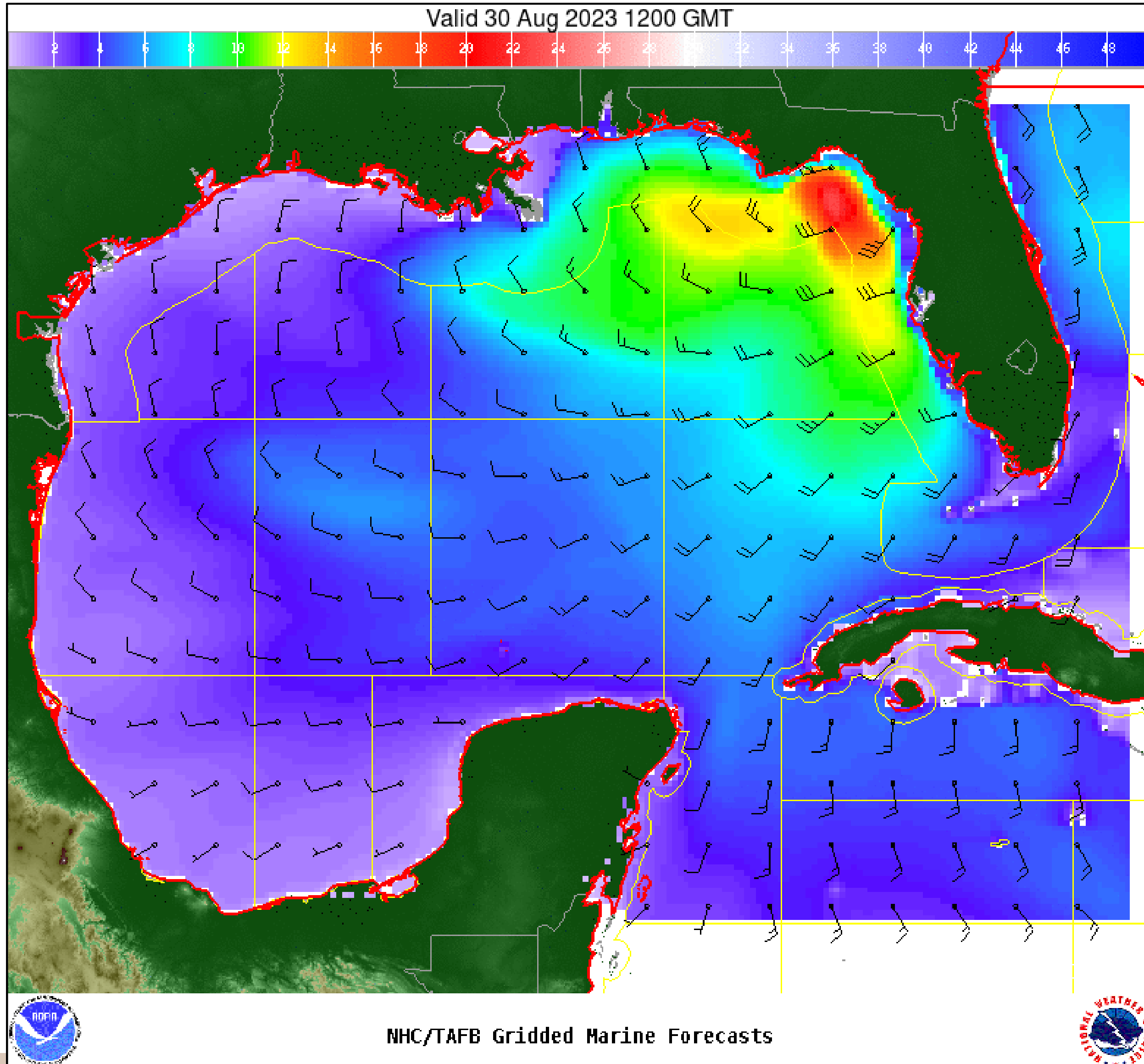
- Jacksonville – Beginning Now
- Charleston – Tonight
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are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

Wind And Waves

Hurricane Idalia



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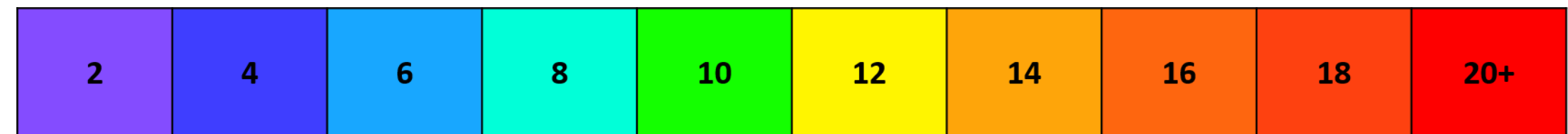
Current Conditions

8am EDT, Wednesday, August 30th

Peak Winds: 110 KT

Peak Seas: 25 FT

■ Wave heights are in feet



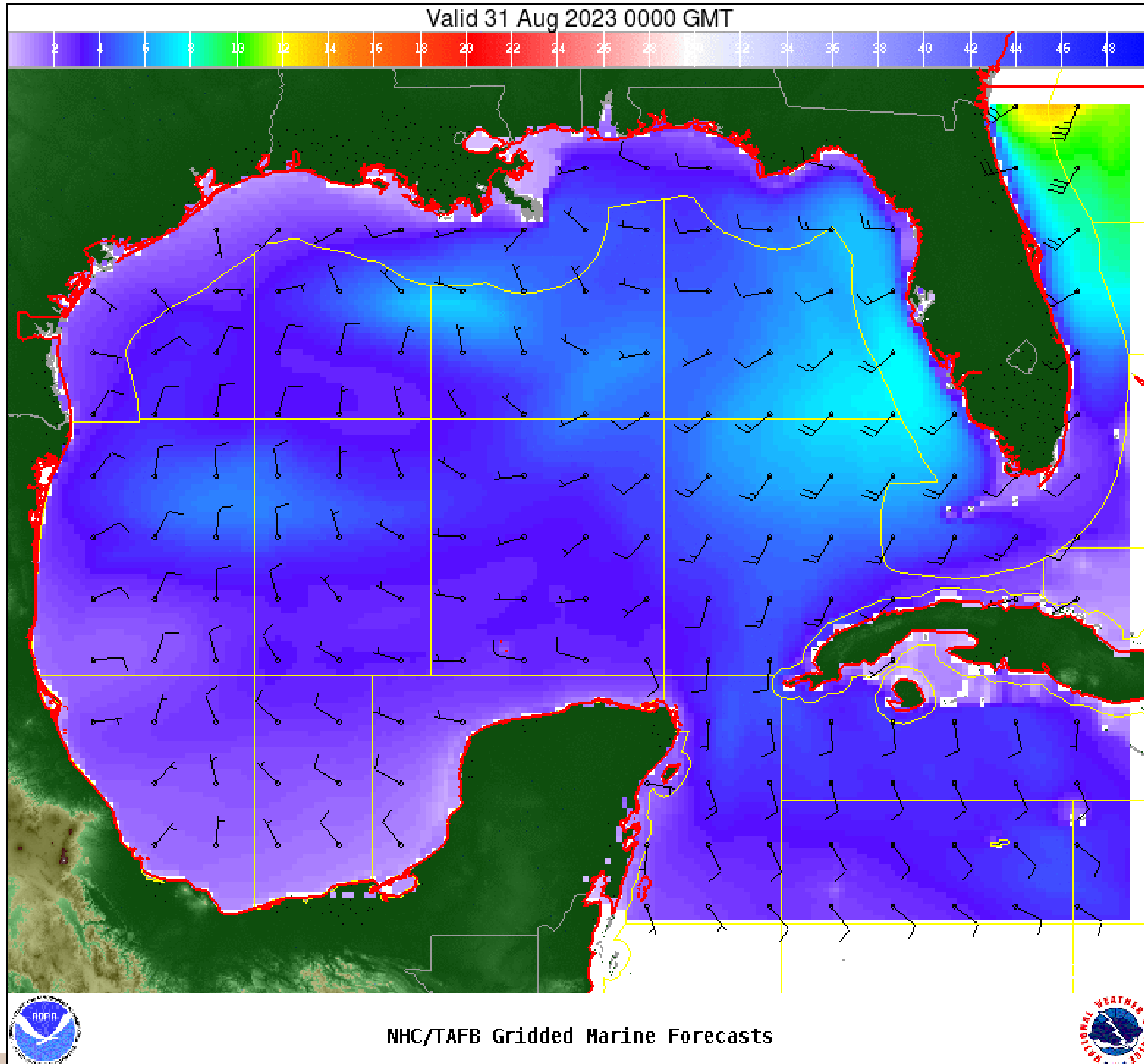
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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12 Hour Forecast

8pm, Wednesday, August 30th

Peak Winds: 20 KT (in Gulf)

Peak Seas: 7 FT (in Gulf)

■ Wave heights are in feet



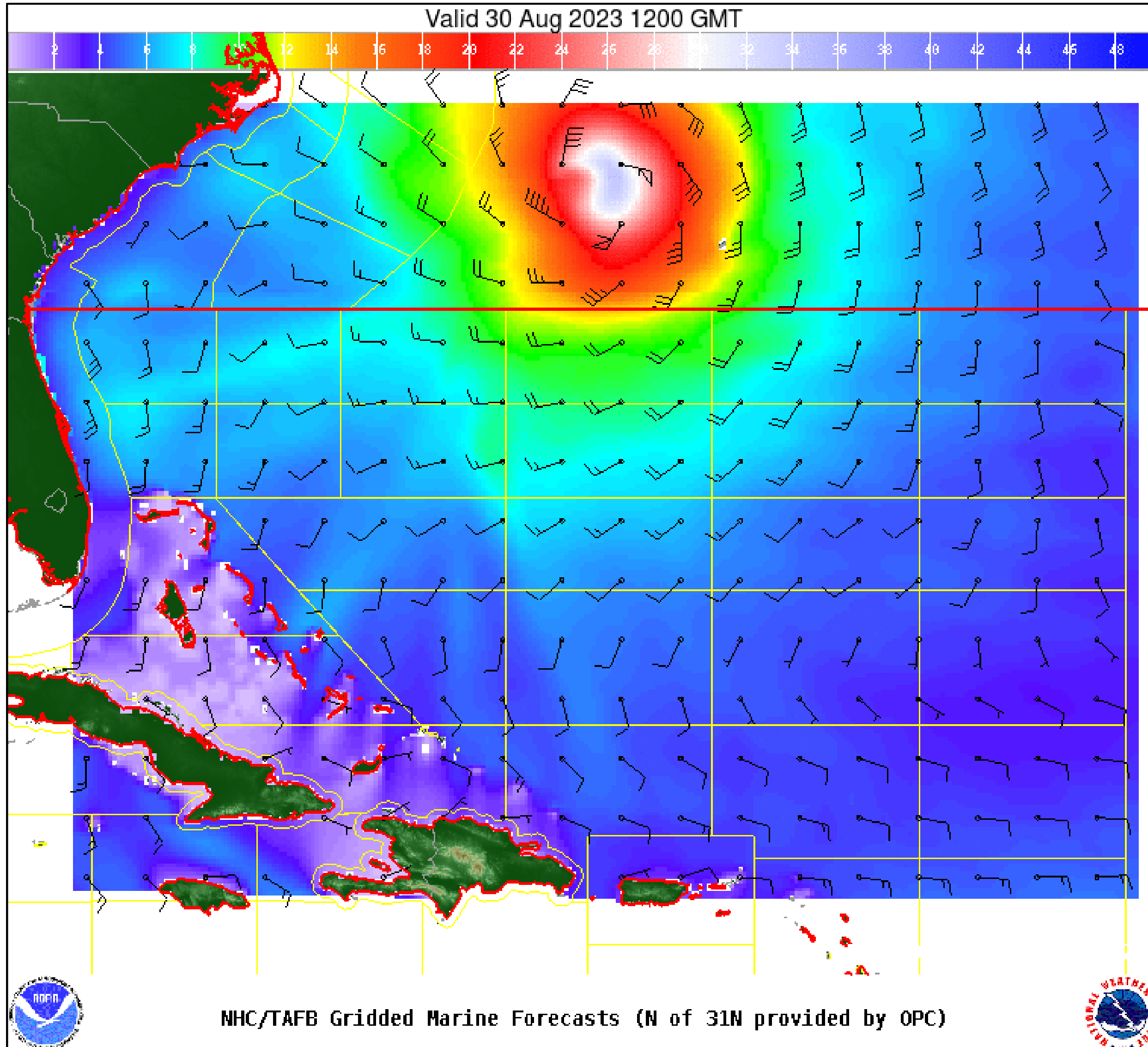
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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Current Conditions

8am EDT, Wednesday, August 30th

Peak Winds: 25 KT (From Idalia)

Peak Seas: 8 FT (From Idalia)

■ Wave heights are in feet



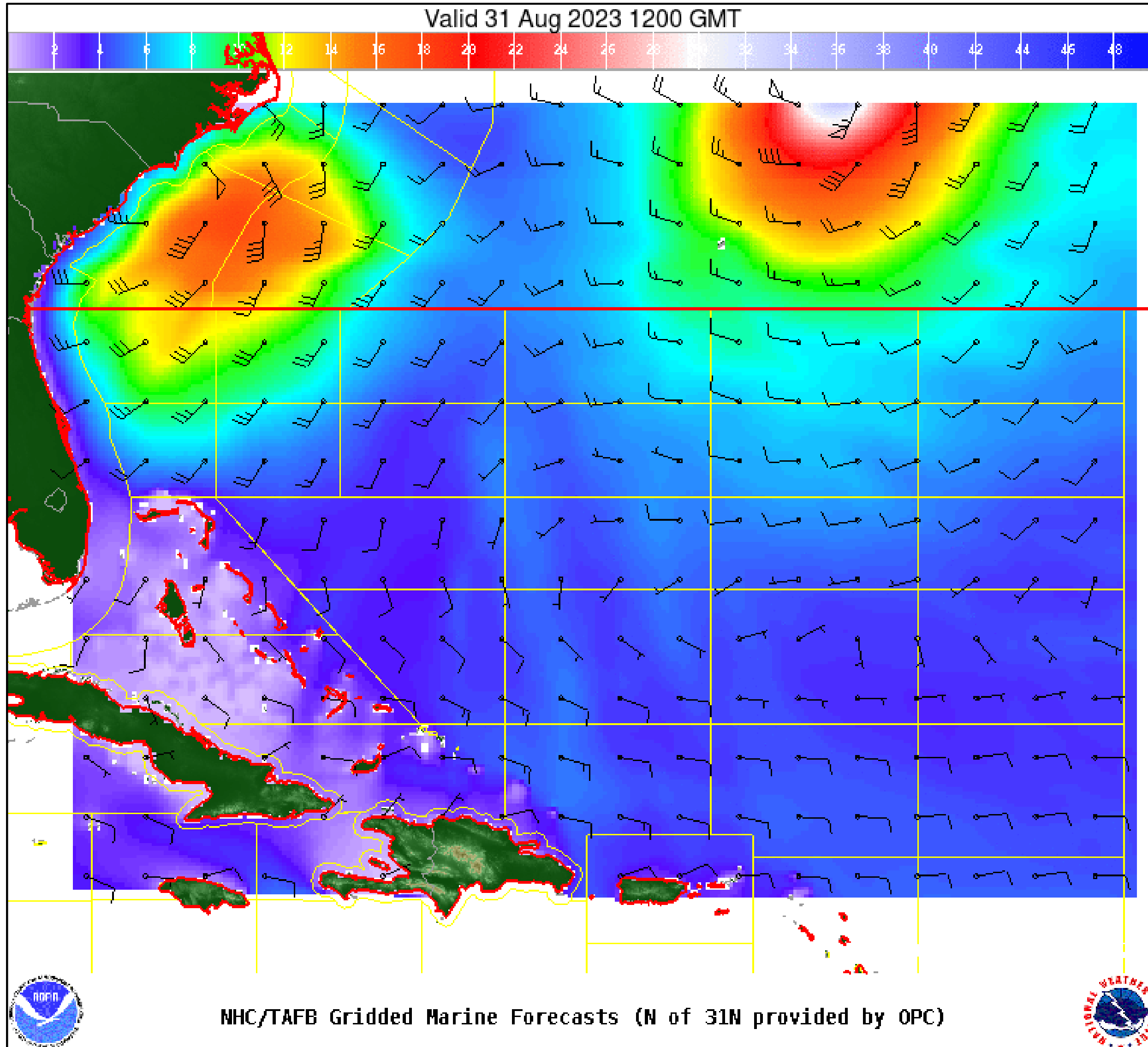
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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24 Hour Forecast

8am, EDT Thursday, August 31st

Peak Winds: 55 KT

Peak Seas: 18 FT

■ Wave heights are in feet



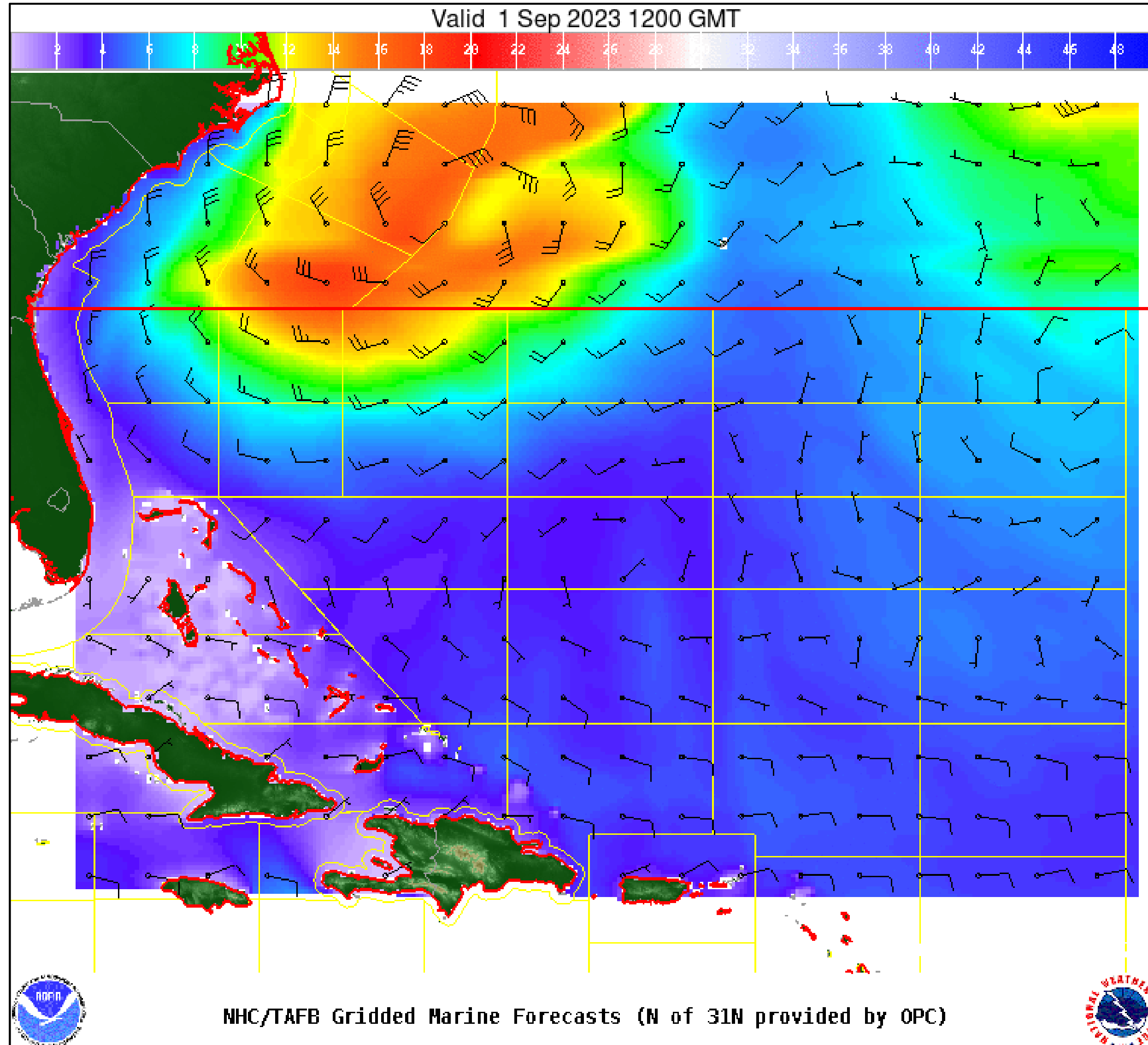
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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48 Hour Forecast

8am EDT Friday, September 1st

Peak Winds: 50 KT

Peak Seas: 18 FT

■ Wave heights are in feet



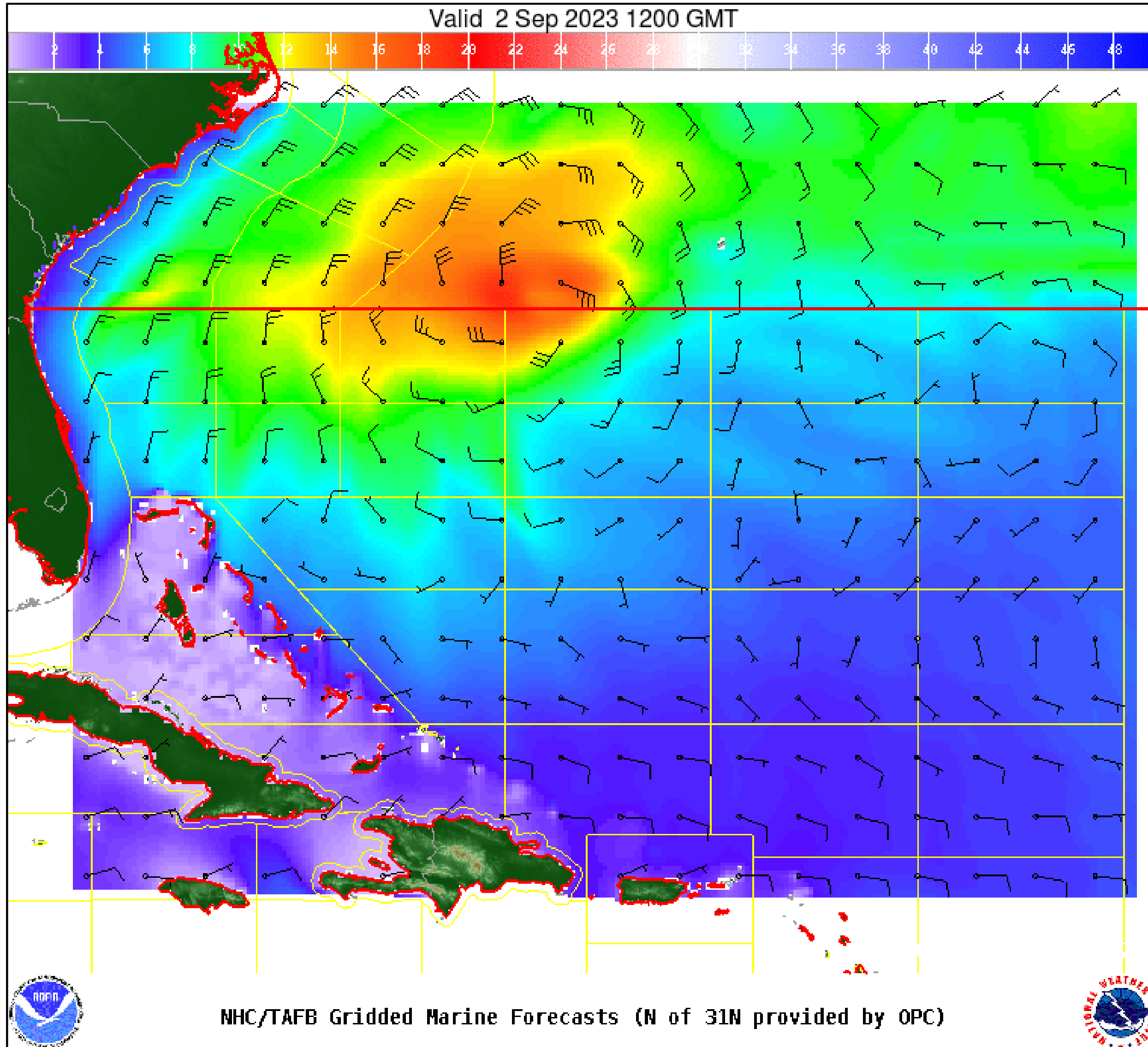
Significant Wave Height (ft)

Wind And Waves

Hurricane Idalia



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72 Hour Forecast

8am EDT Saturday, September 2nd

Peak Winds: 45 KT

Peak Seas: 20 FT

■ Wave heights are in feet



Significant Wave Height (ft)



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

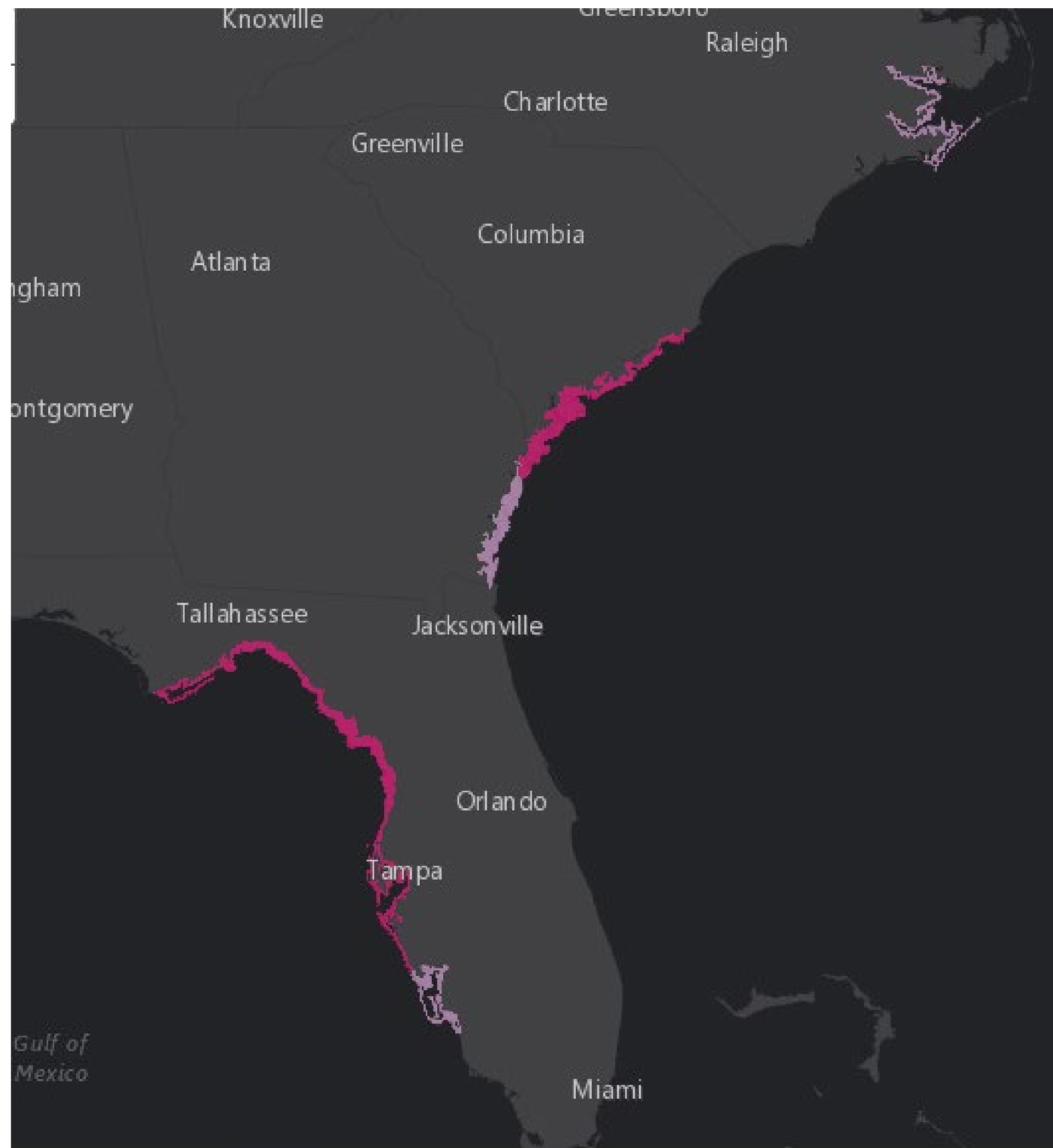
- APALACHICOLA FL – Now
- TALLAHASSEE FL – Noon Today
- CEDAR KEY FL – Noon Today
- TAMPA FL – Now
- JACKSONVILLE – This afternoon
- MAYPORT FL – Early This Evening
- KINGS BAY GA – Early This Evening
- SAVANNAH GA – Early This Evening
- BEAUFORT SC – Midnight Tonight
- CHARLESTON SC – Early Thu Morning

Storm Surge Watches and Warnings



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NWS National Hurricane Center

Hurricane Idalia



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

- * Englewood northward to Indian Pass, 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

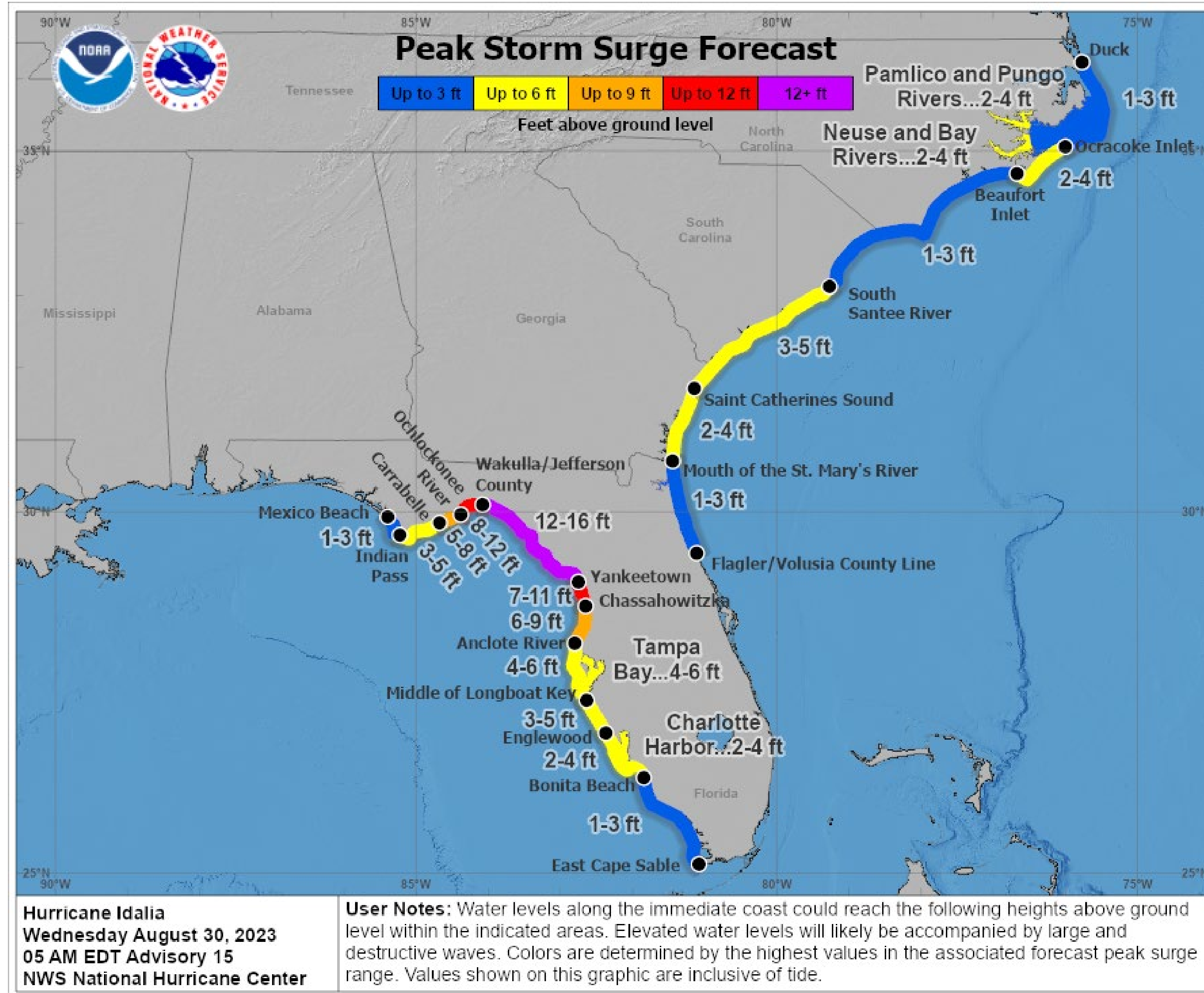
A Storm Surge *Watch* means there is a possibility of life-threatening inundation

Peak Storm Surge

Hurricane Idalia



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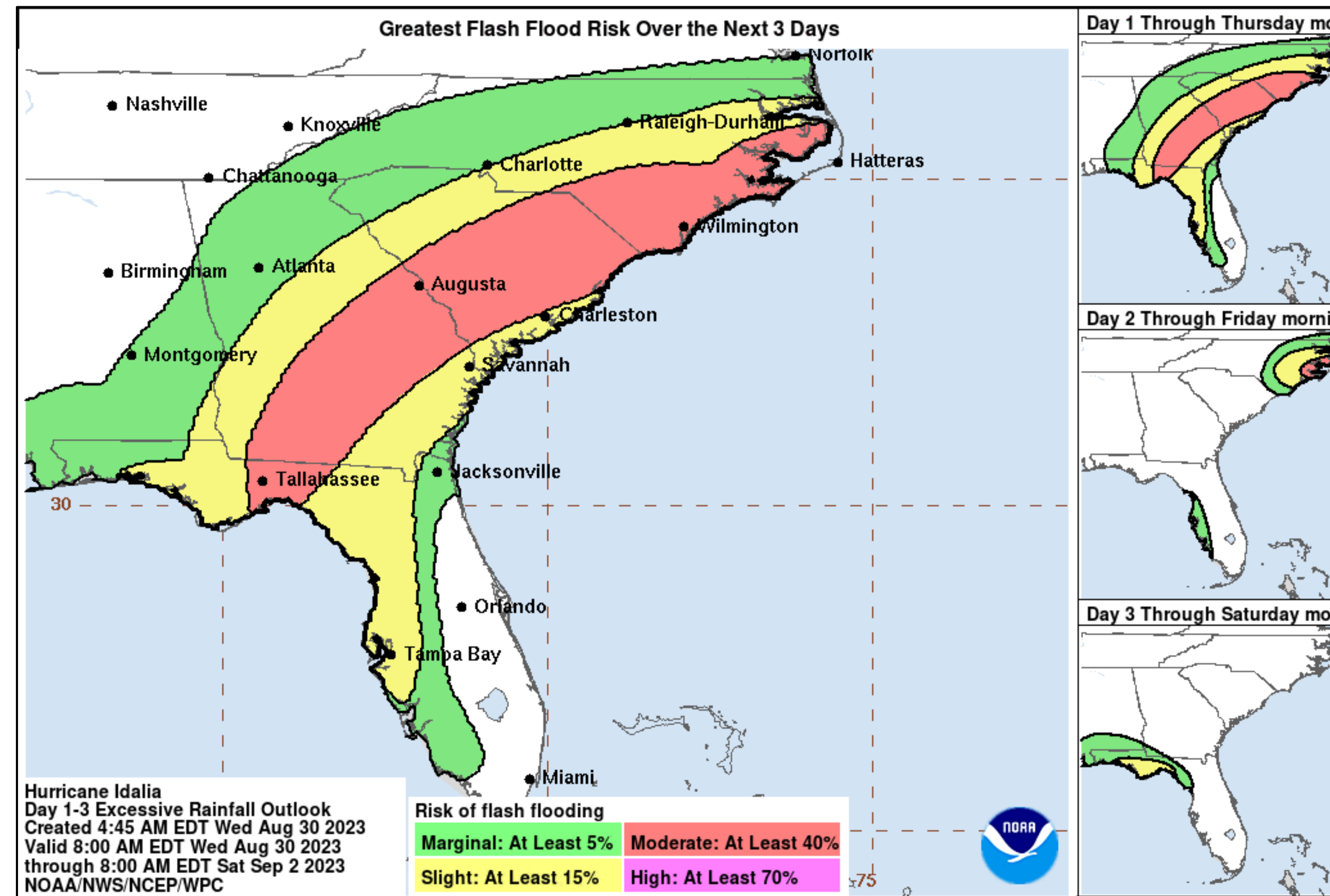
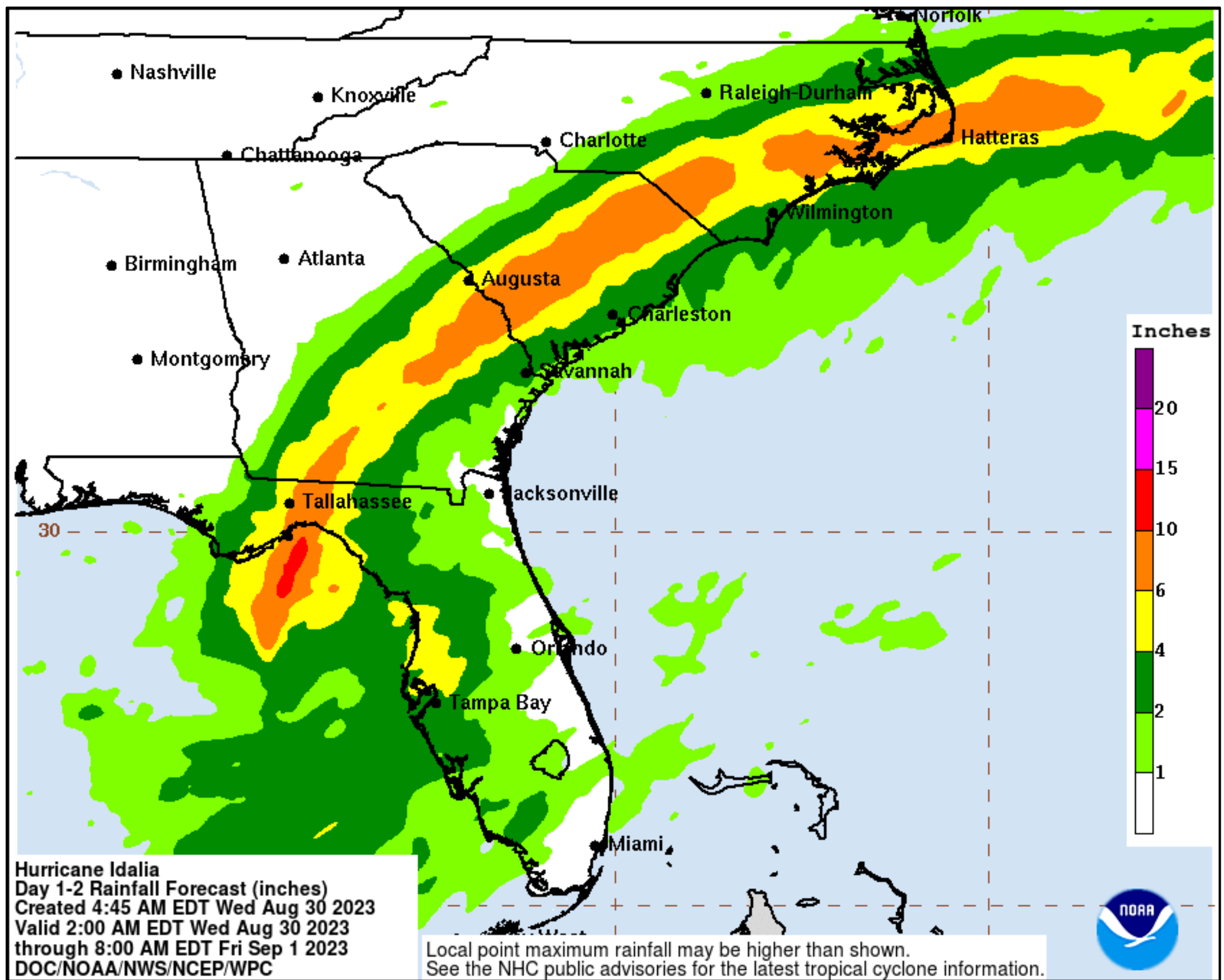
Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Idalia

Images from NWS Weather Prediction Center



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

- Rainfall totals valid through Friday morning

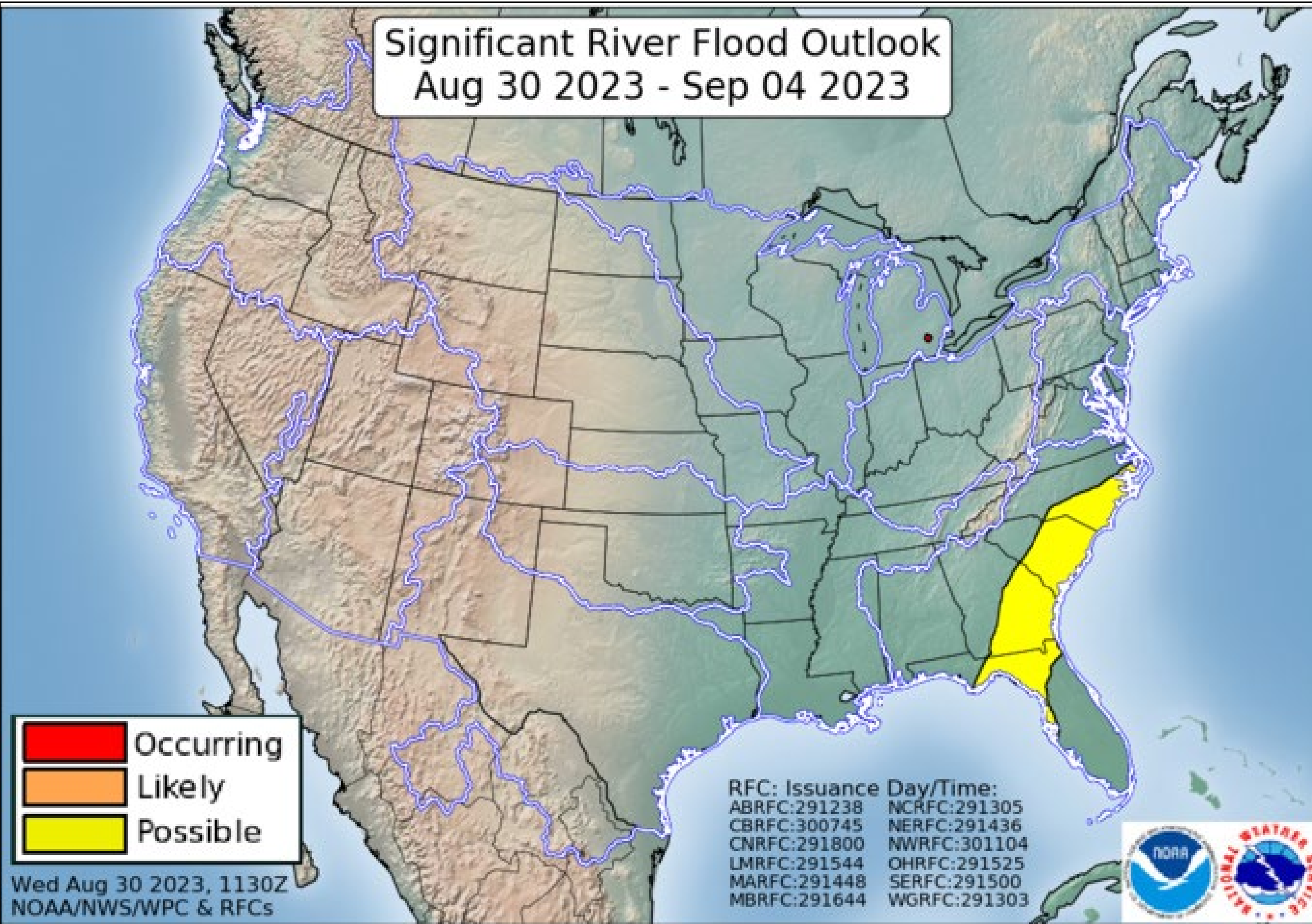
Flood Outlook

Hurricane Idalia



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NWS National Hurricane Center

Significant River Flood Outlook
Aug 30 2023 - Sep 04 2023



Occurring
Likely
Possible

RFC: Issuance Day/Time:
ABRFC:291238 NCRFC:291305
CBRFC:300745 NERFC:291436
CNRFC:291800 NWRFC:301104
LMRFC:291544 OHRFC:291525
MARFC:291448 SERFC:291500
MBRFC:291644 WGRFC:291303



Wed Aug 30 2023, 1130Z
NOAA/NWS/WPC & RFCs

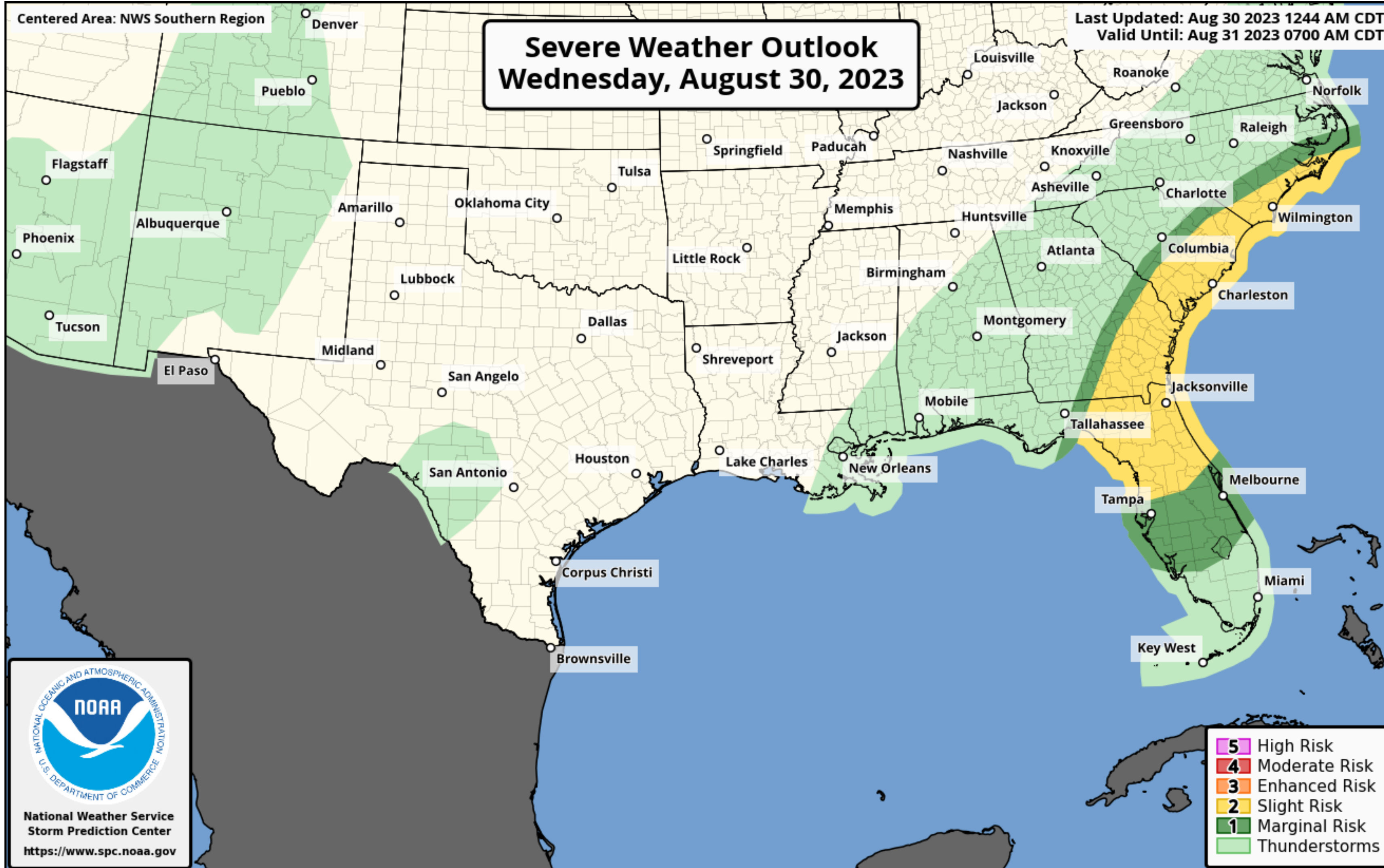
Tornado Outlook – Day 1

Hurricane Idalia

Image from NWS Storm Prediction Center



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Key Messages

Hurricane Idalia



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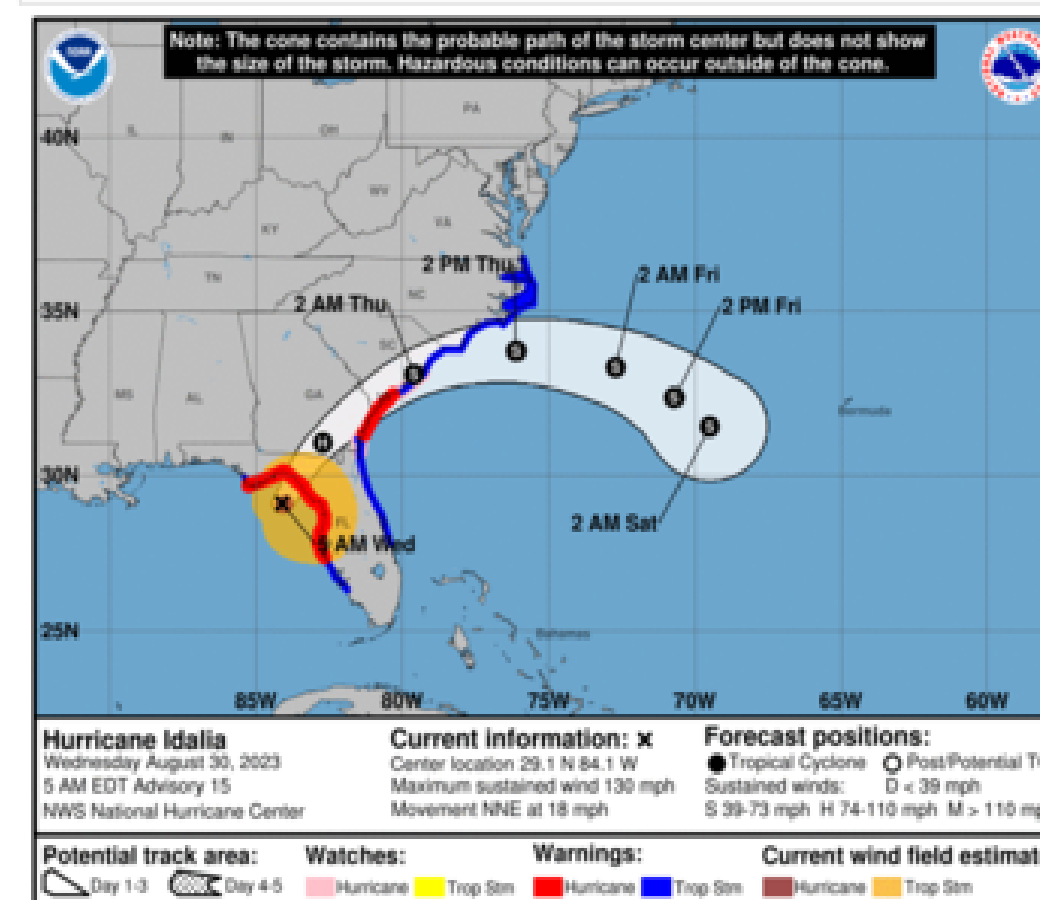
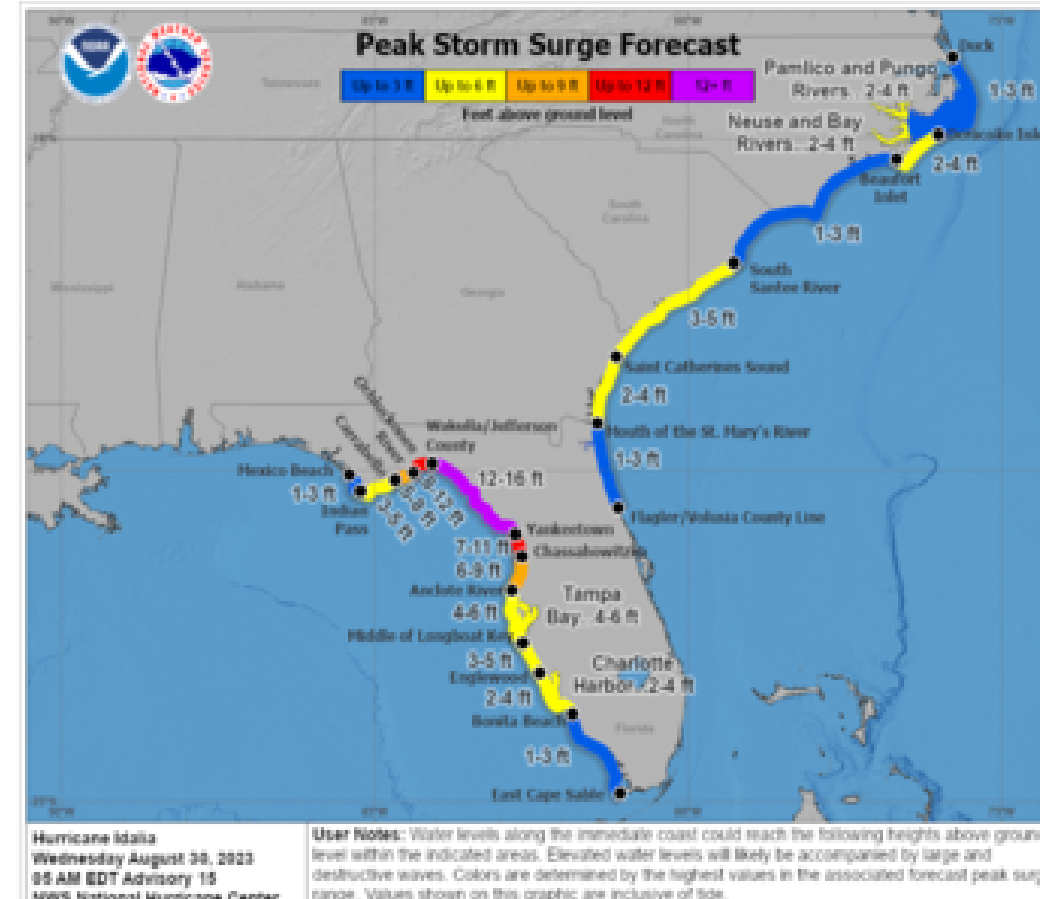
Key Messages for Hurricane Idalia Advisory 15: 5:00 AM EDT Wed Aug 30, 2023



1. Catastrophic impacts from storm surge inundation of 12 to 16 feet above ground level and destructive waves are expected somewhere between the Wakulla/Jefferson County line 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 given by local officials.

2. Destructive life-threatening winds will occur 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. Damaging hurricane-force winds are likely in portions of eastern Georgia and southeastern South Carolina where Hurricane Warnings are now in effect.

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



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 currently 25 ft
- Conditions will improve over the eastern Gulf by tonight

Atlantic:

- Seas are expected to quickly build off the NE Florida/GA/lower SC coast this morning
- Seas to peak 20 ft offshore through Saturday
- Conditions will improve off the SE US coast by Thursday night



HURRICANE IDALIA BRIEFING

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

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

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



NHC_TAFB

www.nhc.noaa.gov