

IMPACTS FOR D7

Winds/US Coast – Extreme

Winds/SRR – Extreme

Waves/US Coastal – Extreme

Waves/SRR – Extreme

through next 5 days

US Storm Surge – Extreme

US Rainfall/Flash Flooding – High

US Tornadoes – Medium

HURRICANE MILTON BRIEFING



9:00 AM EDT
Monday, October 7, 2024

Prepared by:
Chris Landsea

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

www.nhc.noaa.gov

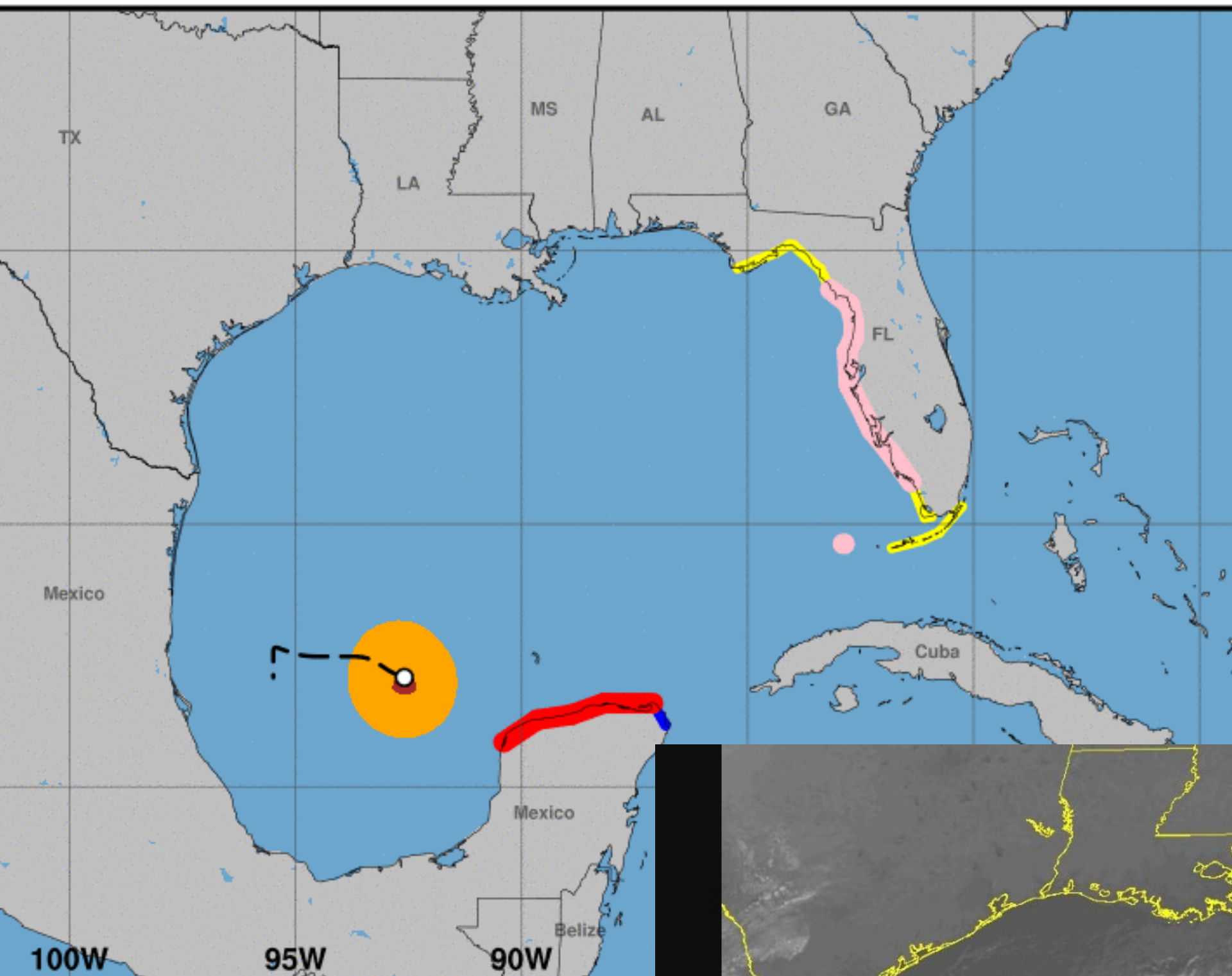
Situation Overview

Hurricane Milton





Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Surface Wind Field Estimate for Hurricane Milton
Sustained Winds as of 400 AM CDT Mon Oct 07, 2024 Advisory Number 8

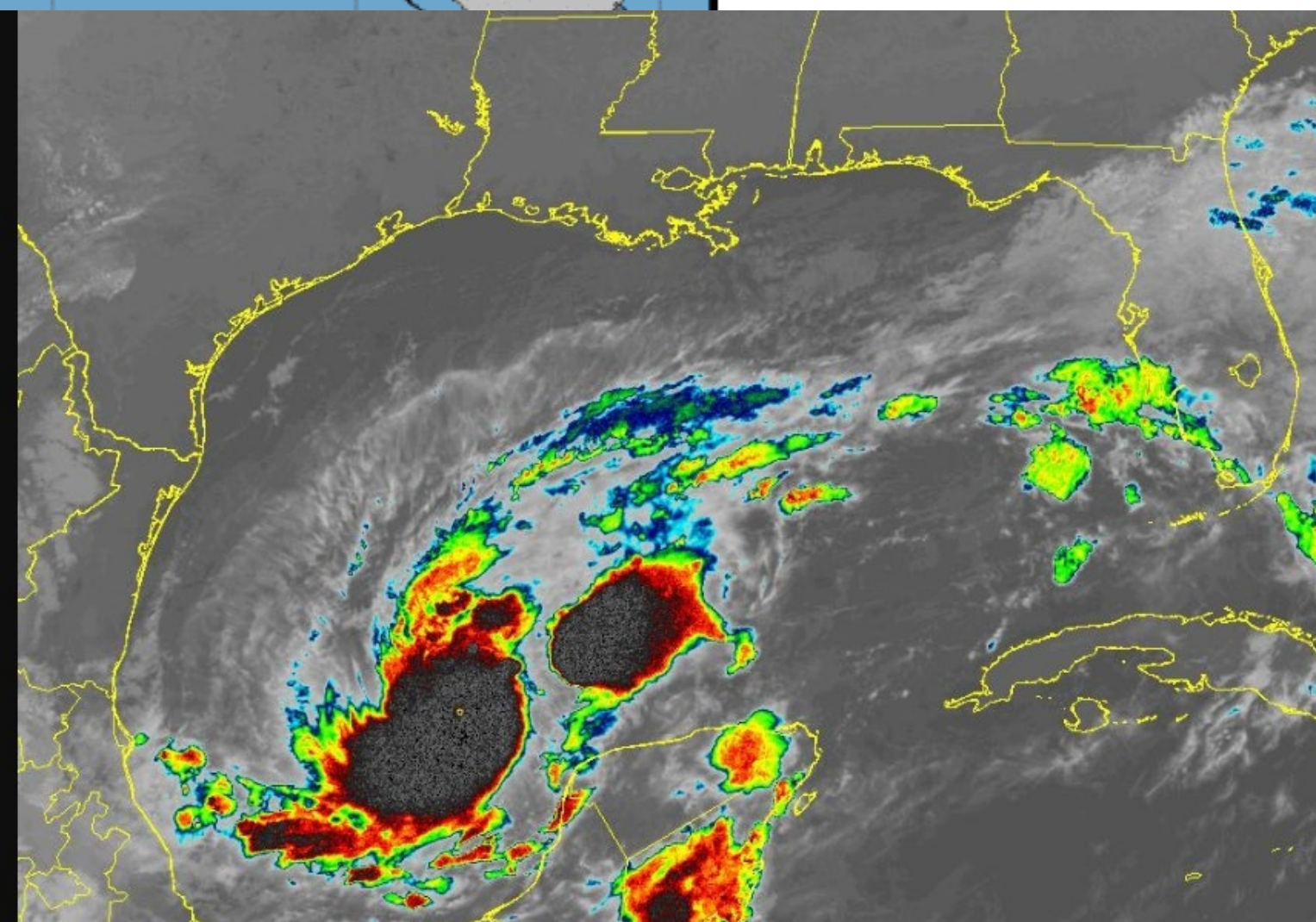


Warnings:

 Hurricane Warning
 Tropical Storm Warning

Sustained

 Hurricane
 Tropical



...AIR FORCE AND NOAA HURRICANE HUNTERS SHOW MILTON RAPIDLY STRENGTHENING...

...NEW WATCHES AND WARNINGS ISSUED FOR PORTIONS OF MEXICO...

SUMMARY OF 800 AM EDT INFORMATION

LOCATION...21.8N 92.2W
ABOUT 635 NM WSW OF TAMPA FLORIDA
MAXIMUM SUSTAINED WINDS...110 KT
PRESENT MOVEMENT...ESE AT 7 kt

SIZE:

64 KT..... 20NE 30SE 30SW 20NW.

34 KT..... 60NE 70SE 70SW 70NW.

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

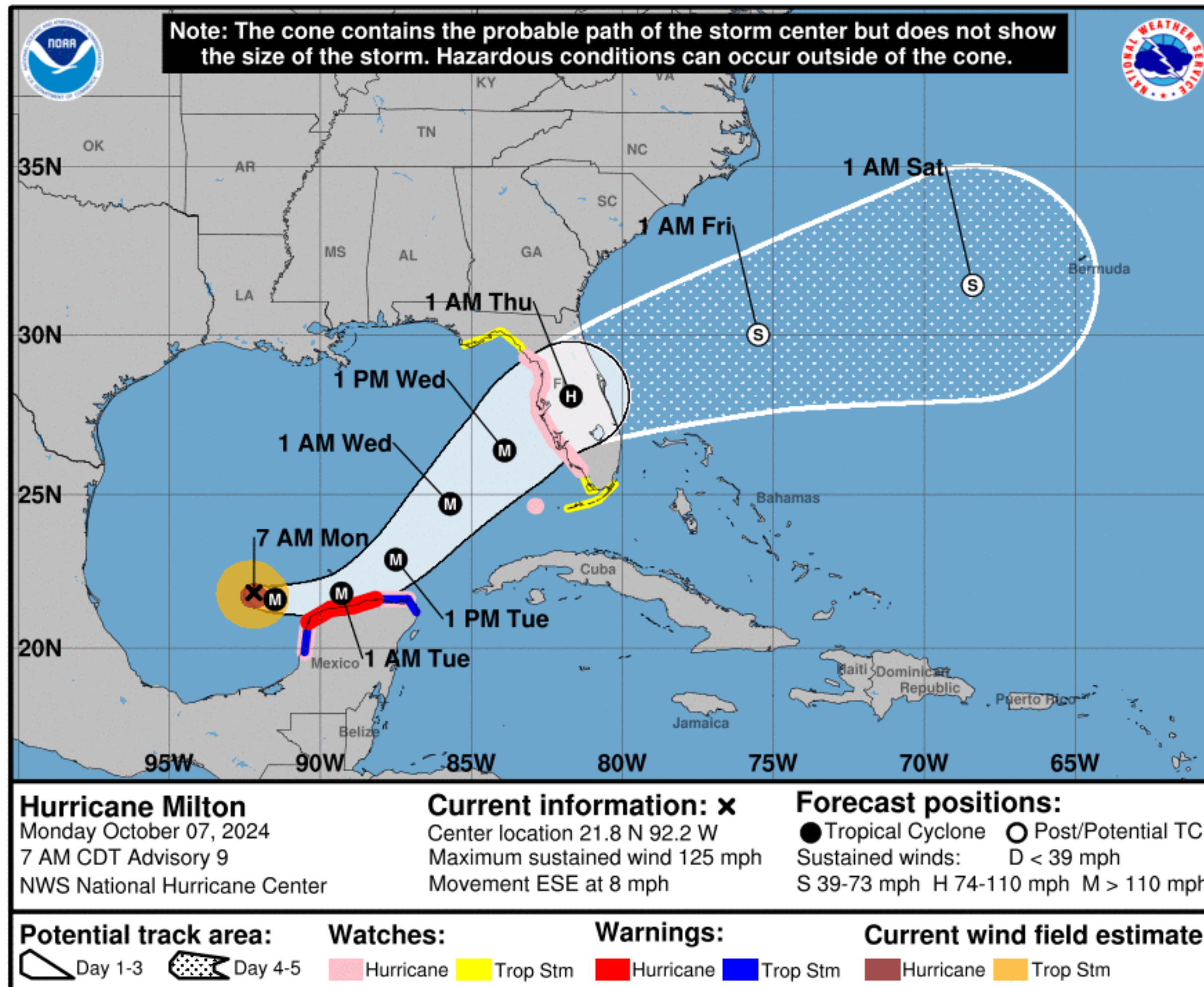
PEAK SEAS 32 ft

Forecast Information

Hurricane Milton



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

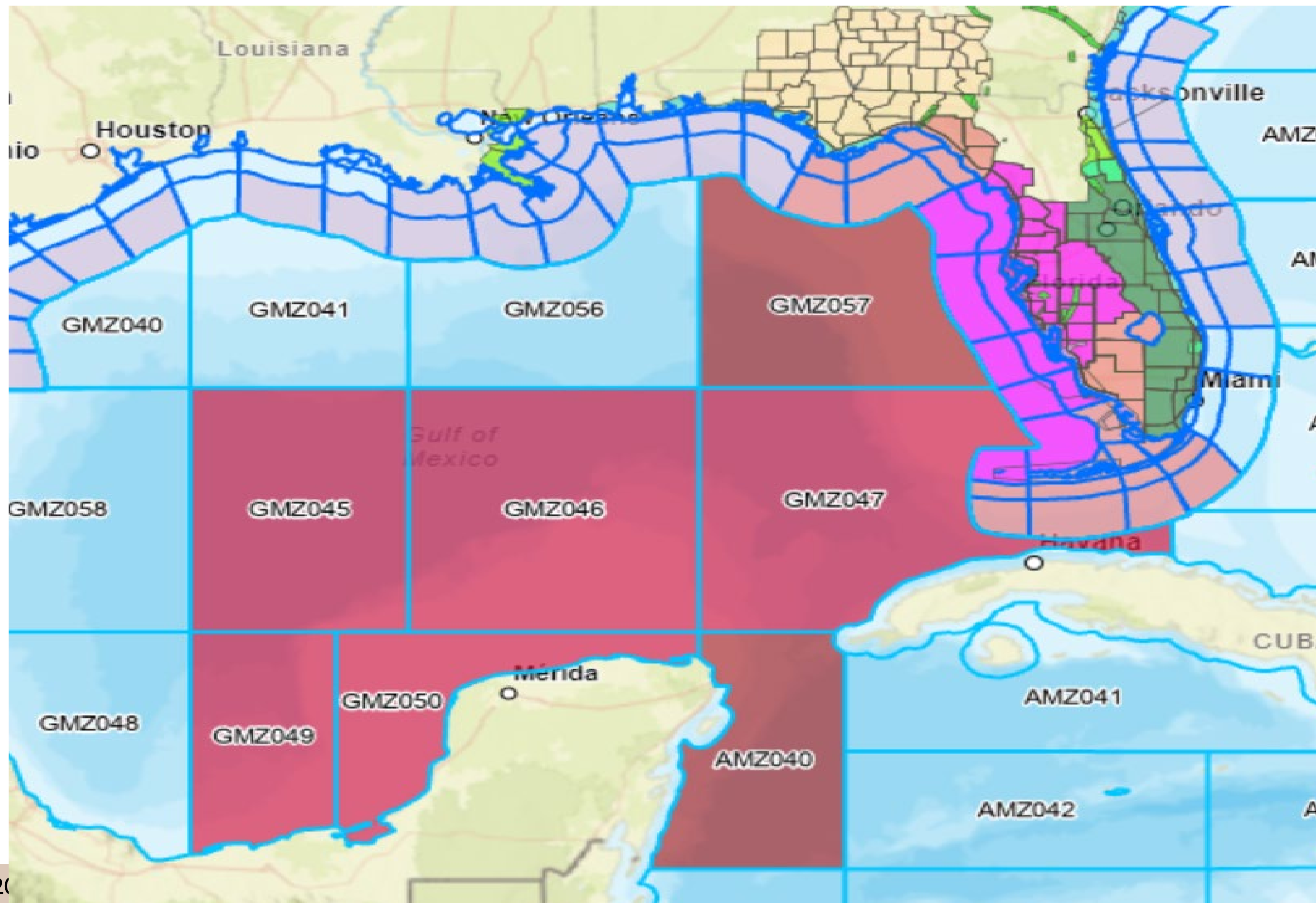
- **Milton is expected to turn toward the northeast by Tuesday night and gradually accelerate**
 - **The hurricane is expected to further intensify and reach Category 4 or 5 over the open Gulf**
 - **Landfall as a large Category 3 is expected somewhere between Naples and Cedar Key Wednesday or Wednesday 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

Hurricane Milton



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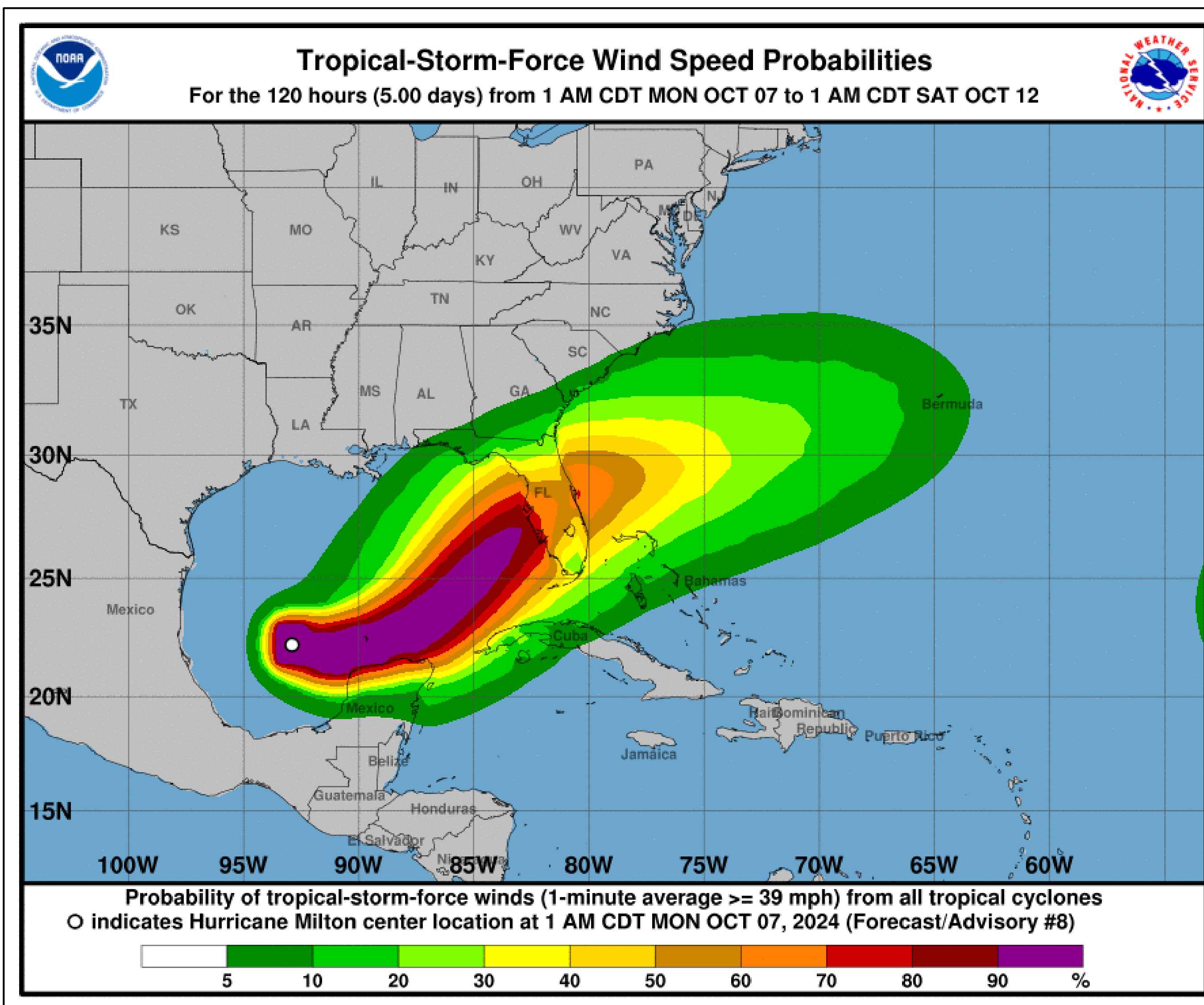


T.S. Wind Speed Probabilities

Hurricane Milton



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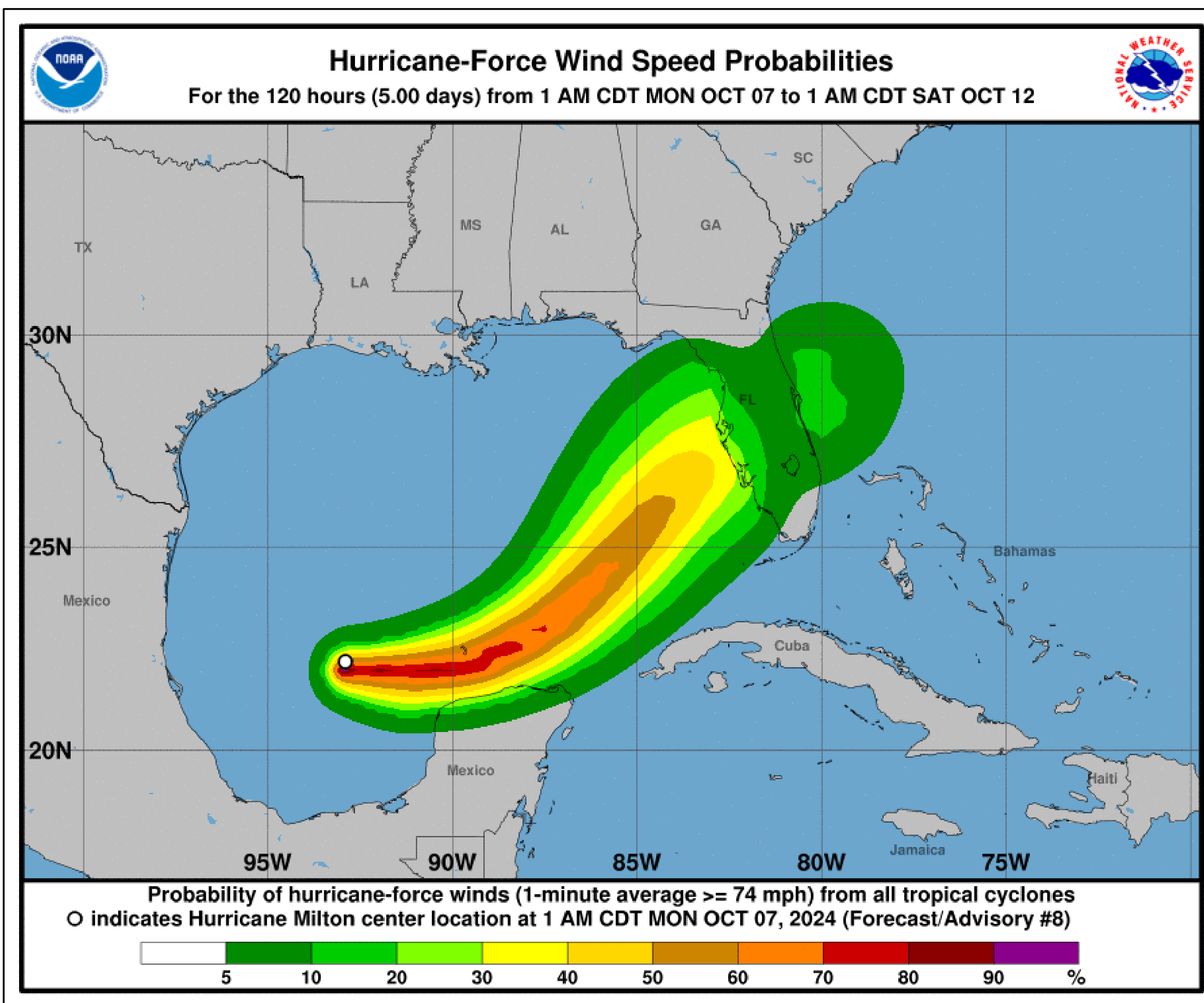
- Cedar Key – 55%
 - Tampa – 80%
 - Venice – 90%
 - Ft Myers – 60%
 - Naples – 70%
 - Key West – 45%
 - Marathon – 40%
 - Kings Bay – 35%
 - Mayport – 40%
 - Jacksonville – 20%
 - Daytona – 45%
 - Cocoa Beach – 70%
 - Patrick AFB – 70%
 - Ft. Pierce – 65%
 - West Palm Beach – 50%
 - Ft Lauderdale – 45%
 - Miami – 20%
 - Homestead – 20%
- 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 Milton



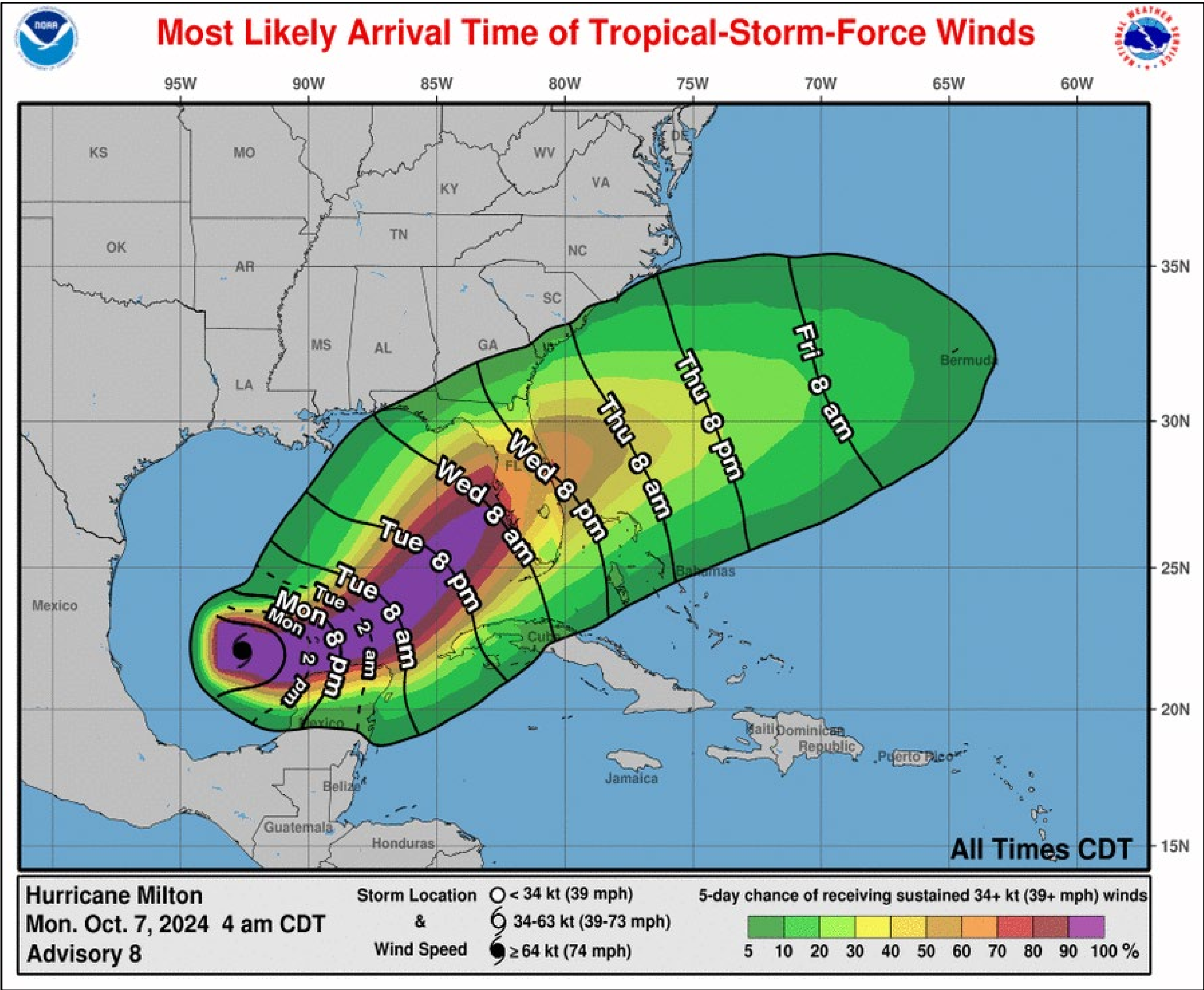
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- Cedar Key – 15%
 - Tampa – 30%
 - Venice – 35%
 - Ft. Myers – 10%
 - Naples – 20%
 - Cocoa Beach – 15%
 - Patrick AFB – 15%
 - Ft. Pierce – 10%
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's 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.



Hurricane Milton



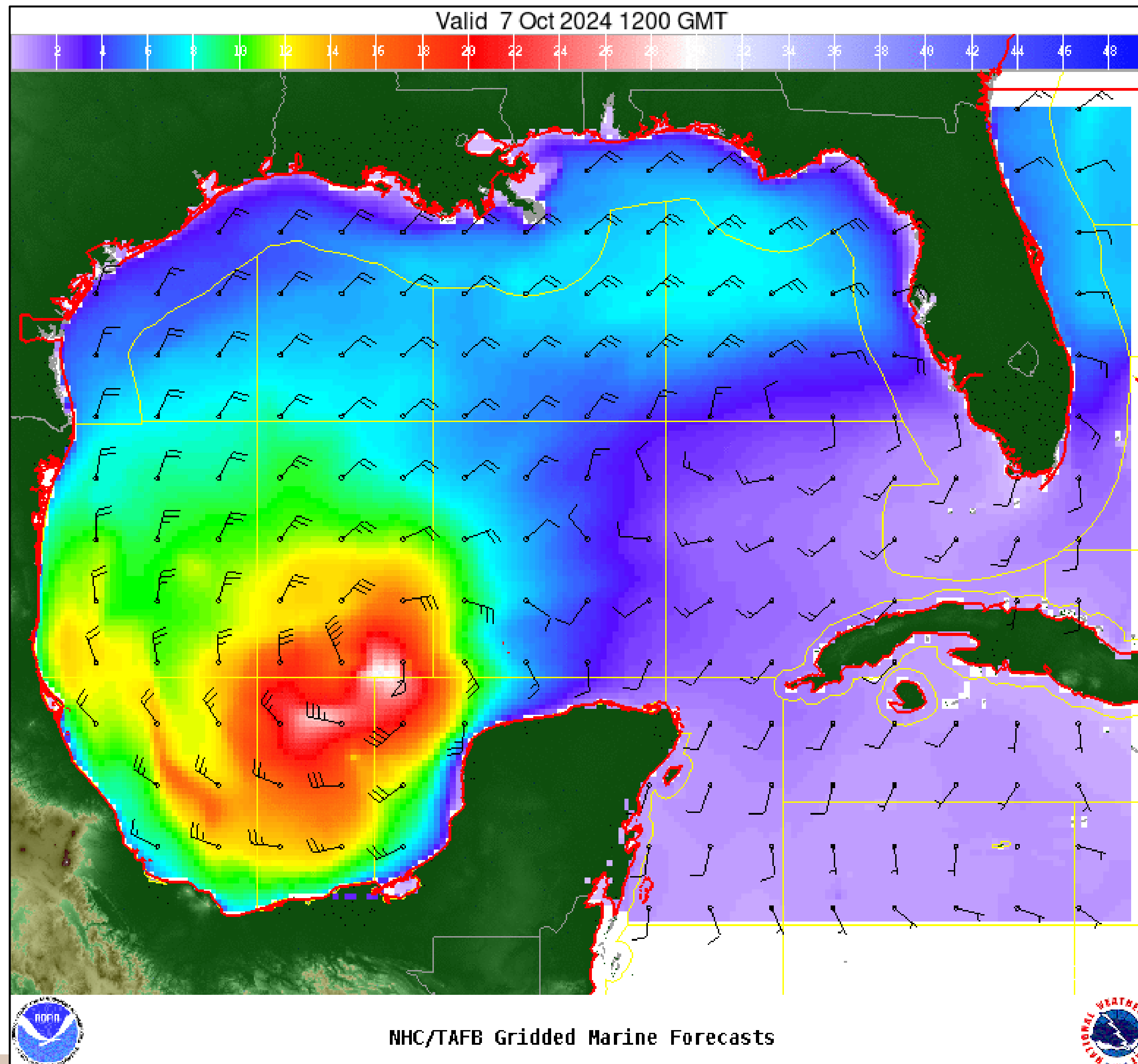
- SW Florida – Wednesday morning
- NE Florida – Wednesday night
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through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

Wind And Waves

Hurricane Milton



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Current conditions

8am EDT Monday September 7th

Peak Winds: 110 kt

Peak Seas: 32 ft

■ Wave heights are in feet



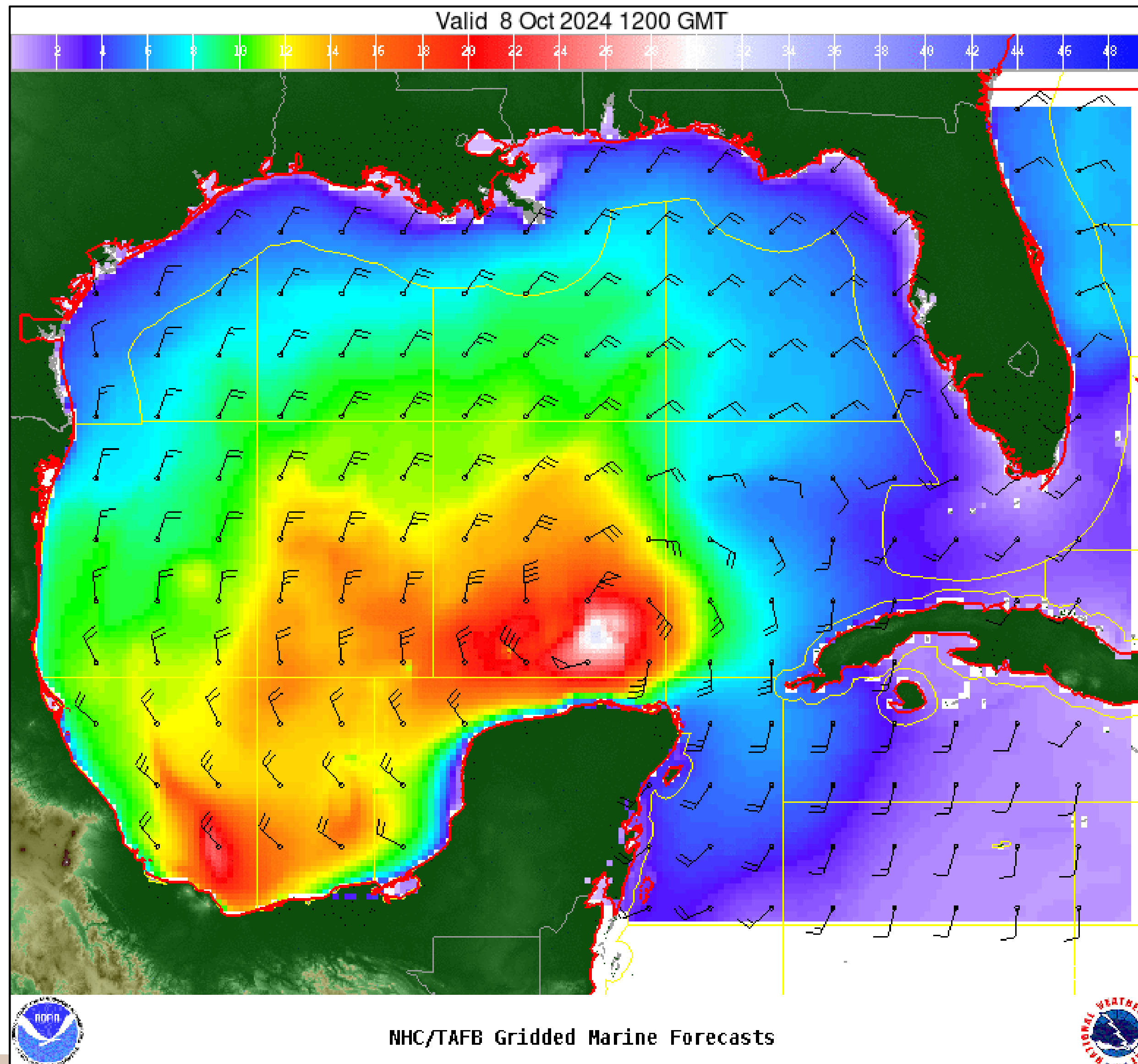
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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24 Hour Forecast

8am EDT Tuesday, September 8th

Peak Winds: 135 kt

Peak Seas: 34 ft

- Wave heights are in feet



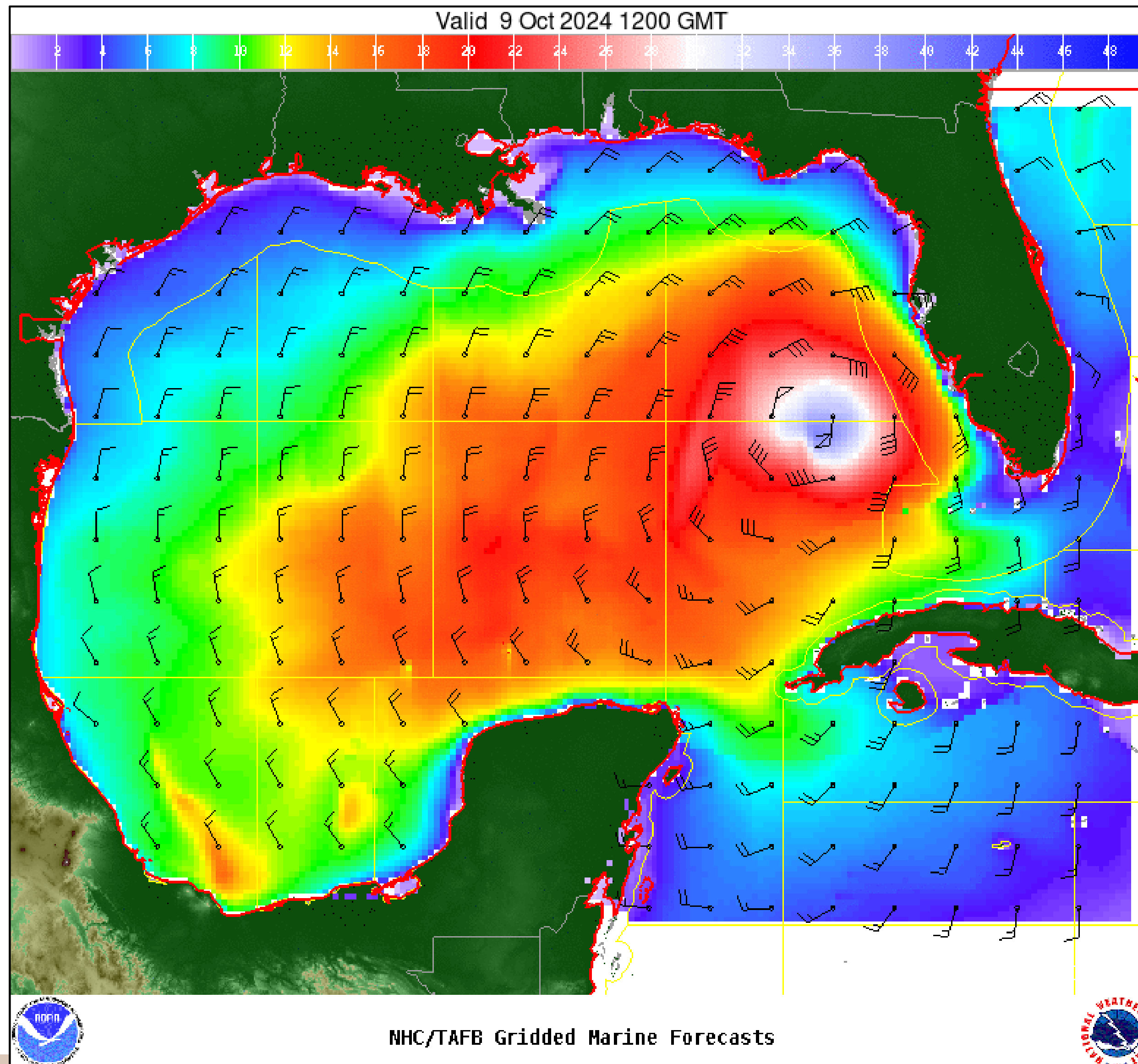
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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48 Hour Forecast

8am EDT Wednesday, September 9th

Peak Winds: 125 ft

Peak Seas: 33 ft

- Wave heights are in feet



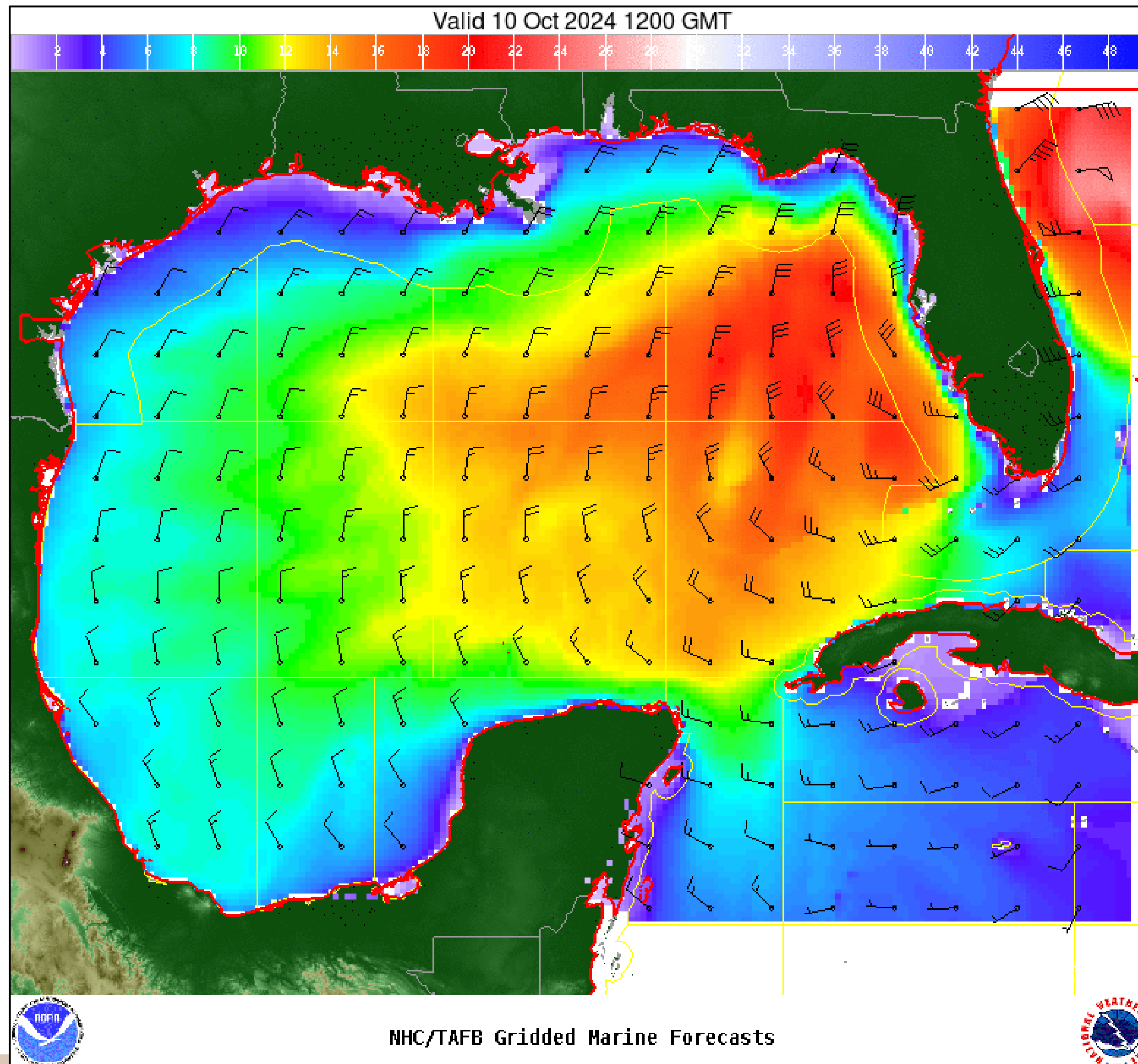
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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72 Hour Forecast

8am Edt Thursday September 10th

Peak Winds: 45 kt

Peak Seas: 24 ft

- Wave heights are in feet



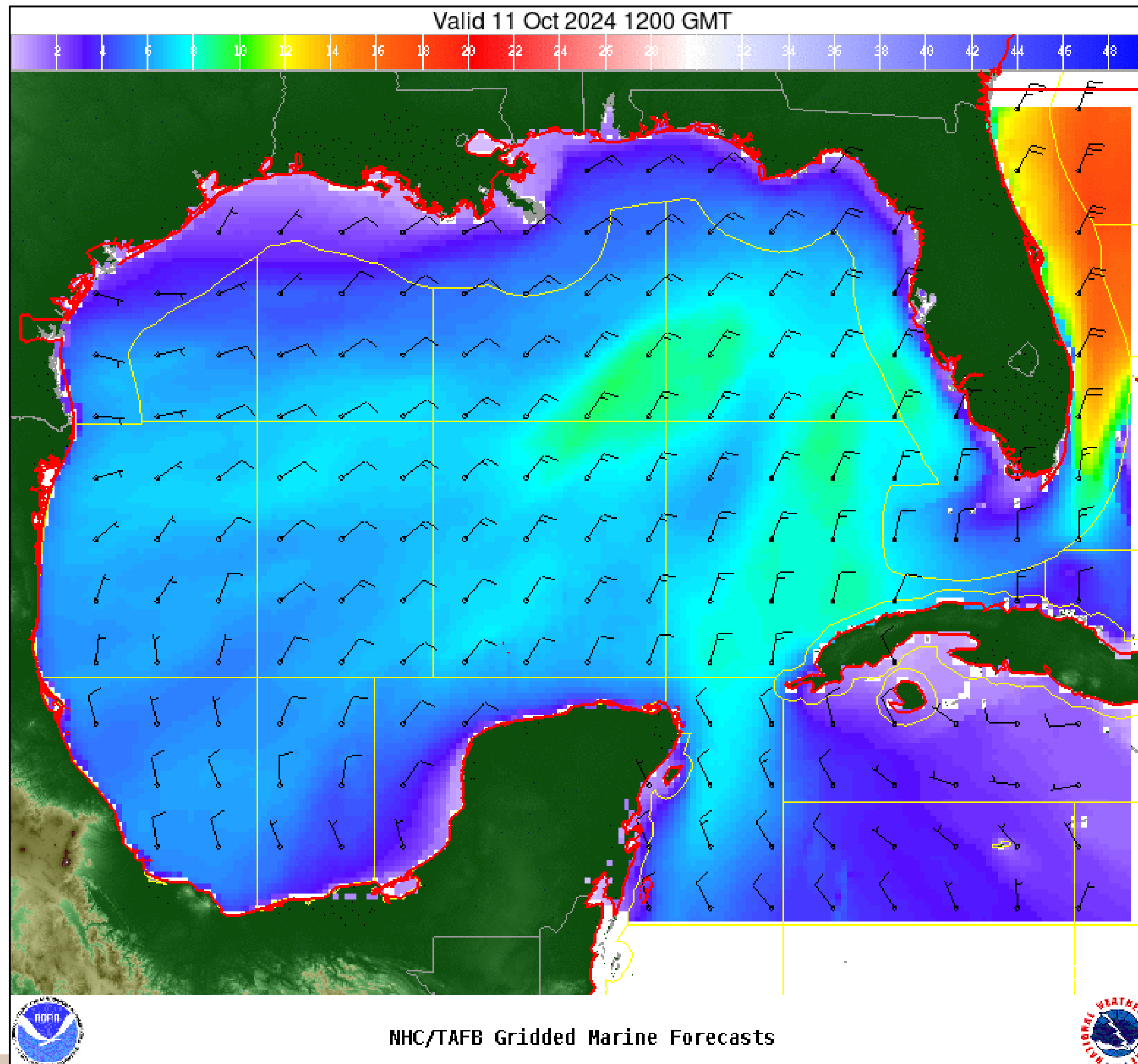
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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96 Hour Forecast

8am EDT Friday September 11th

Peak Winds: 20 kt

Peak Seas: 16 ft

- Wave heights are in feet



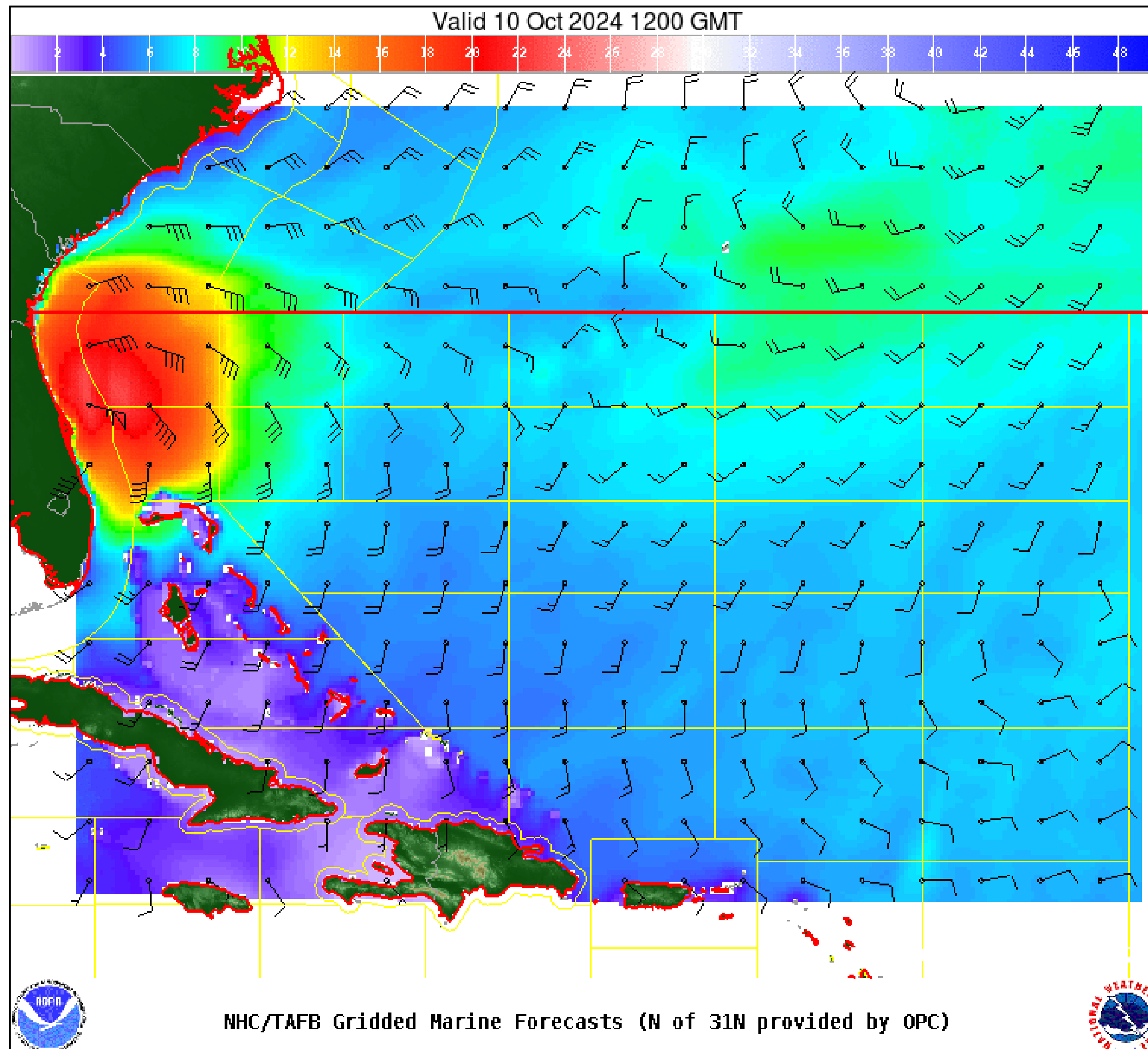
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



72 Hour Forecast

8am EDT Thursday September 10th

Peak Winds: 65 kt

Peak Seas: 23 ft

- Wave heights are in feet



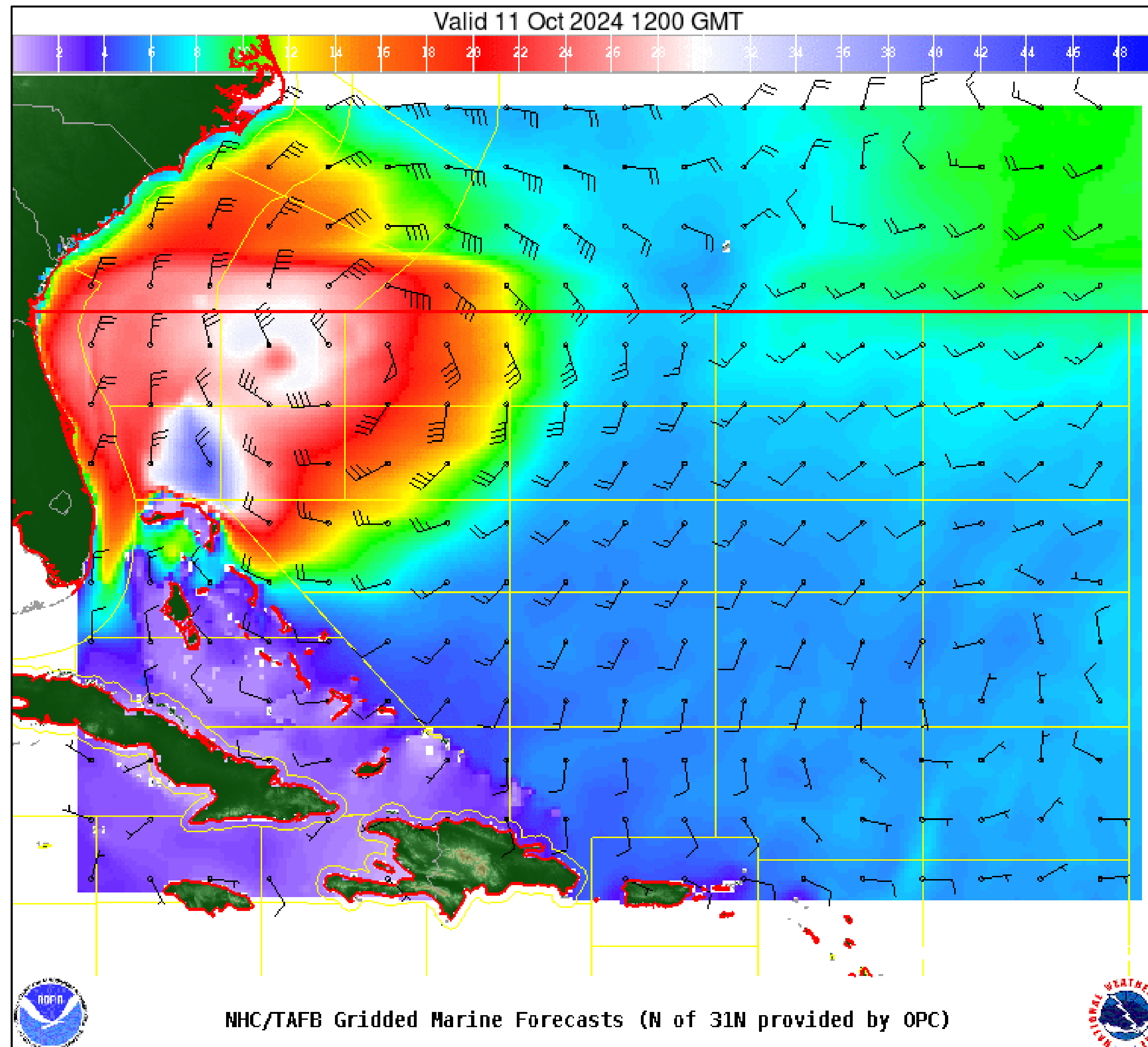
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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96 Hour Forecast

8am EDT Friday September 11th

Peak Winds: 55 kt

Peak Seas: 36 ft

- Wave heights are in feet



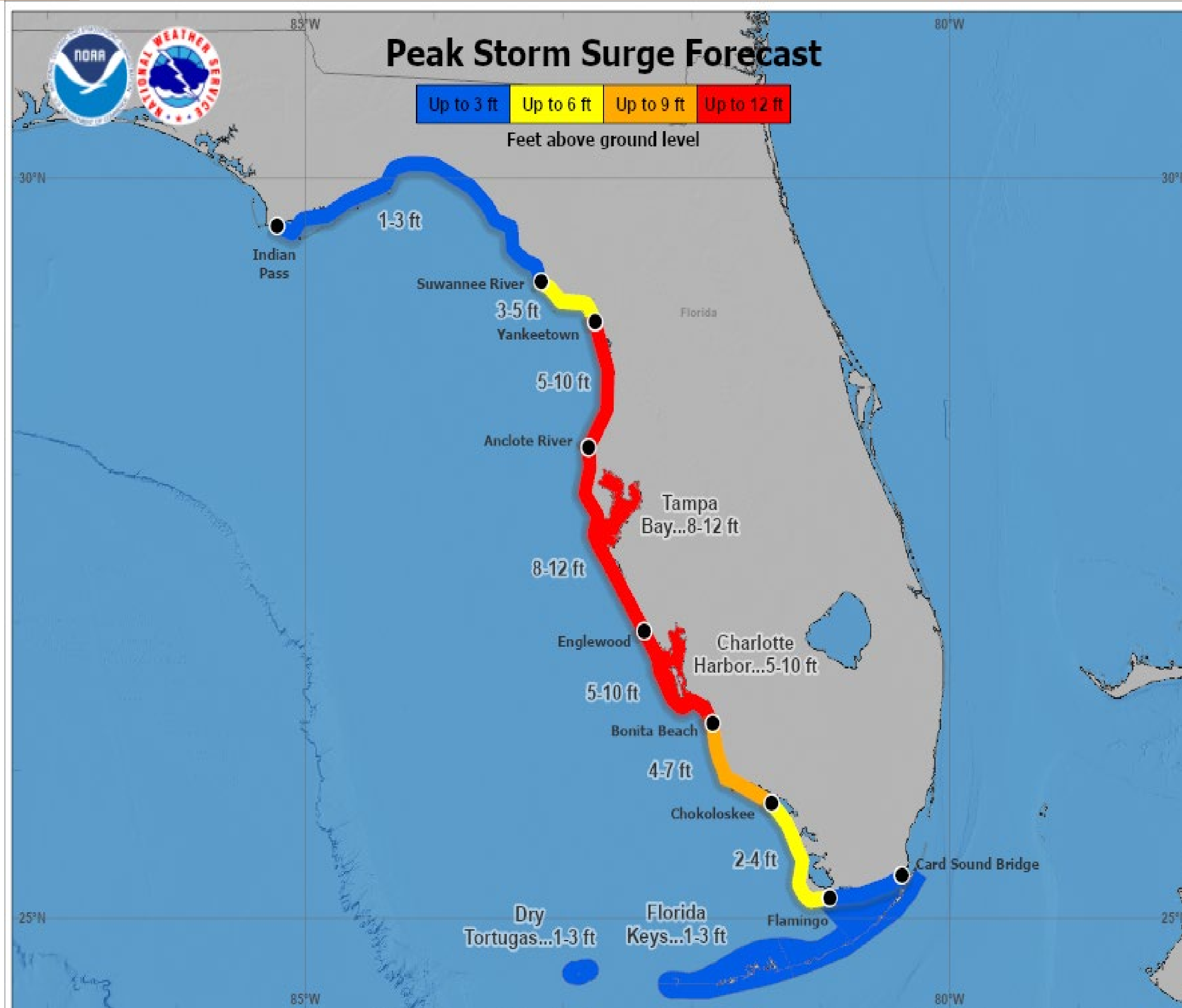
Significant Wave Height (ft)

Potential Storm Surge

Hurricane Milton



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NWS National Hurricane Center



Hurricane Milton
Monday October 07, 2024
07 AM CDT Advisory 9
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.



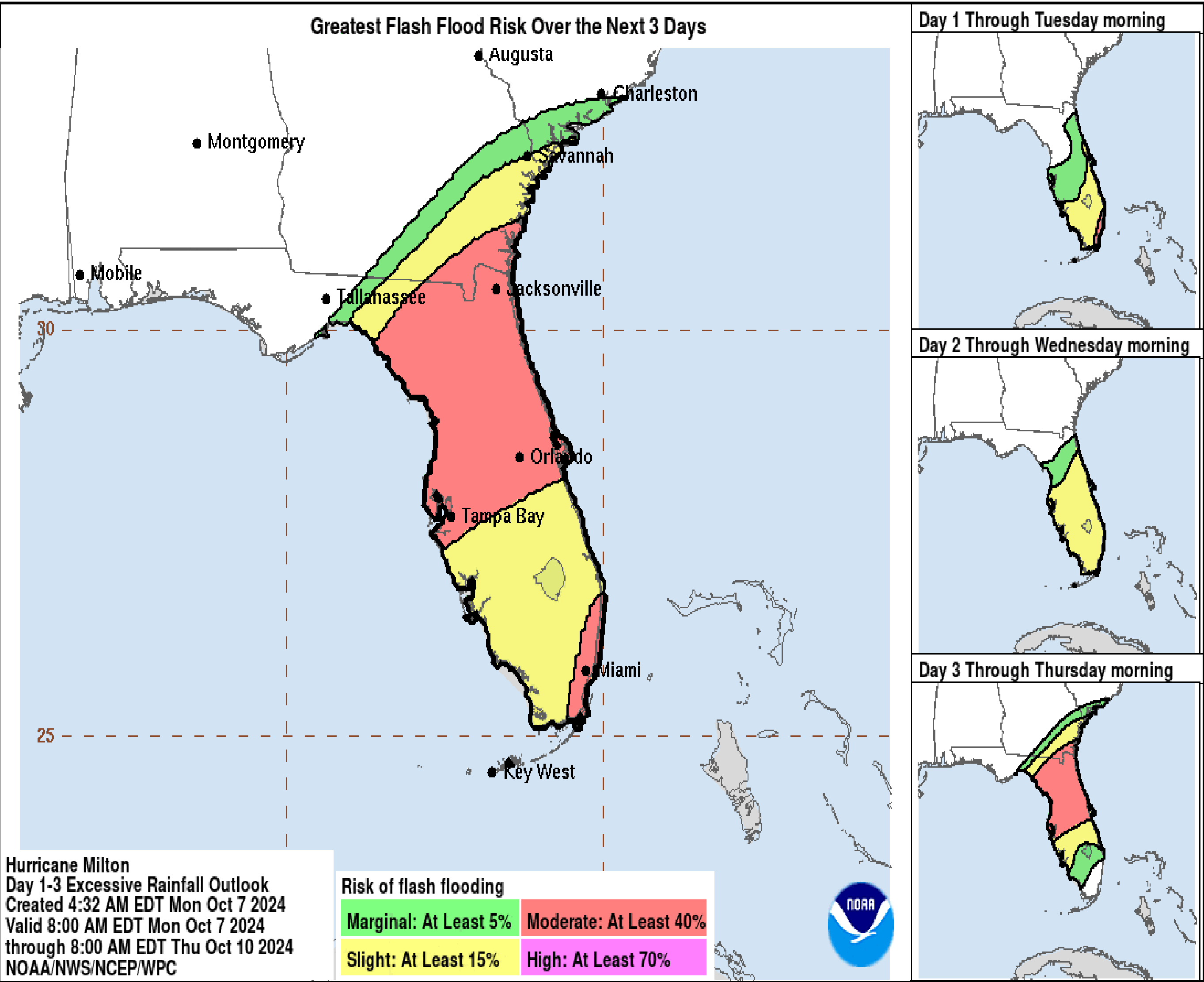
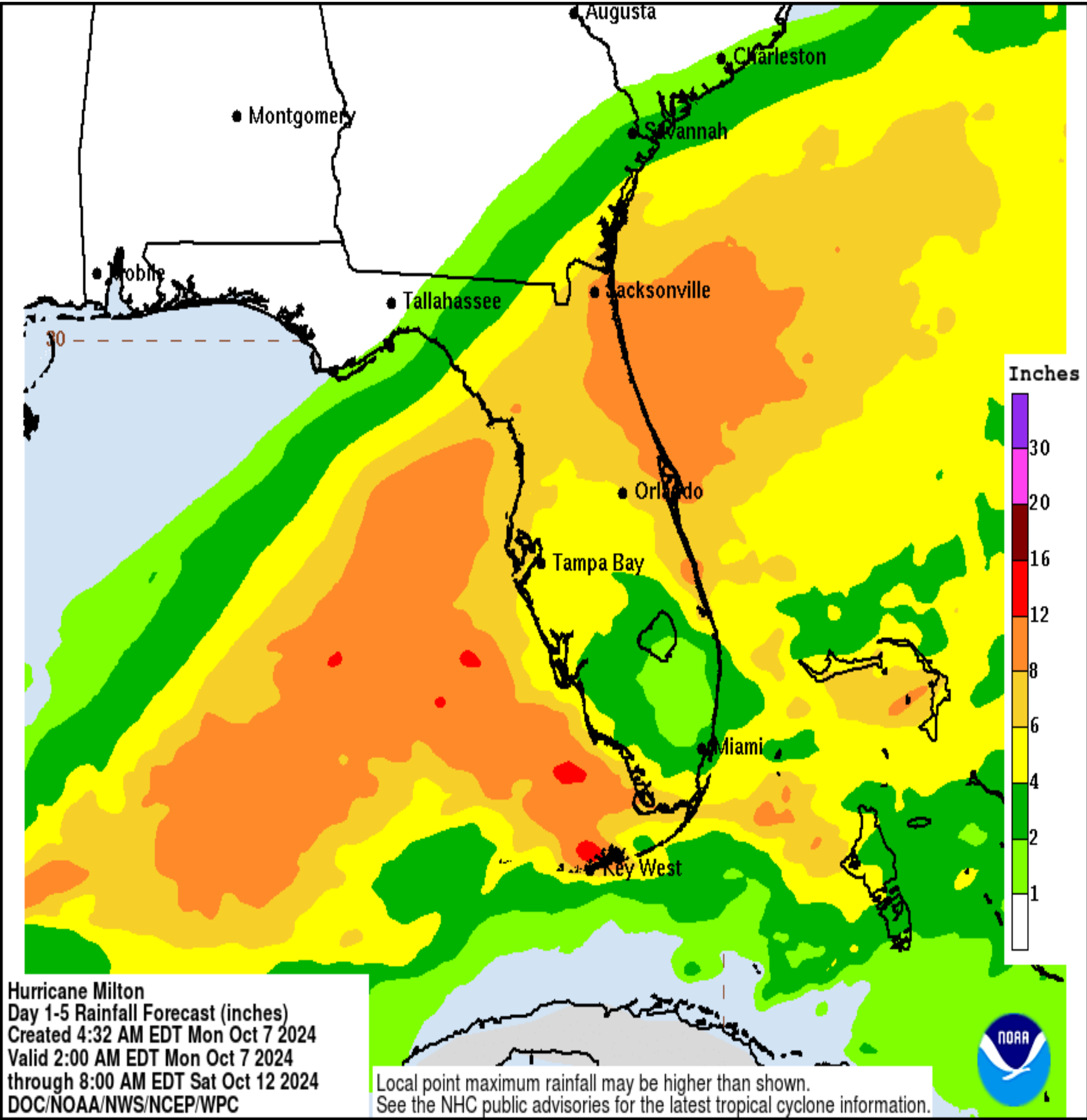
Expected Storm Total Rainfall and Chance of Rainfall Flooding

Hurricane Milton

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

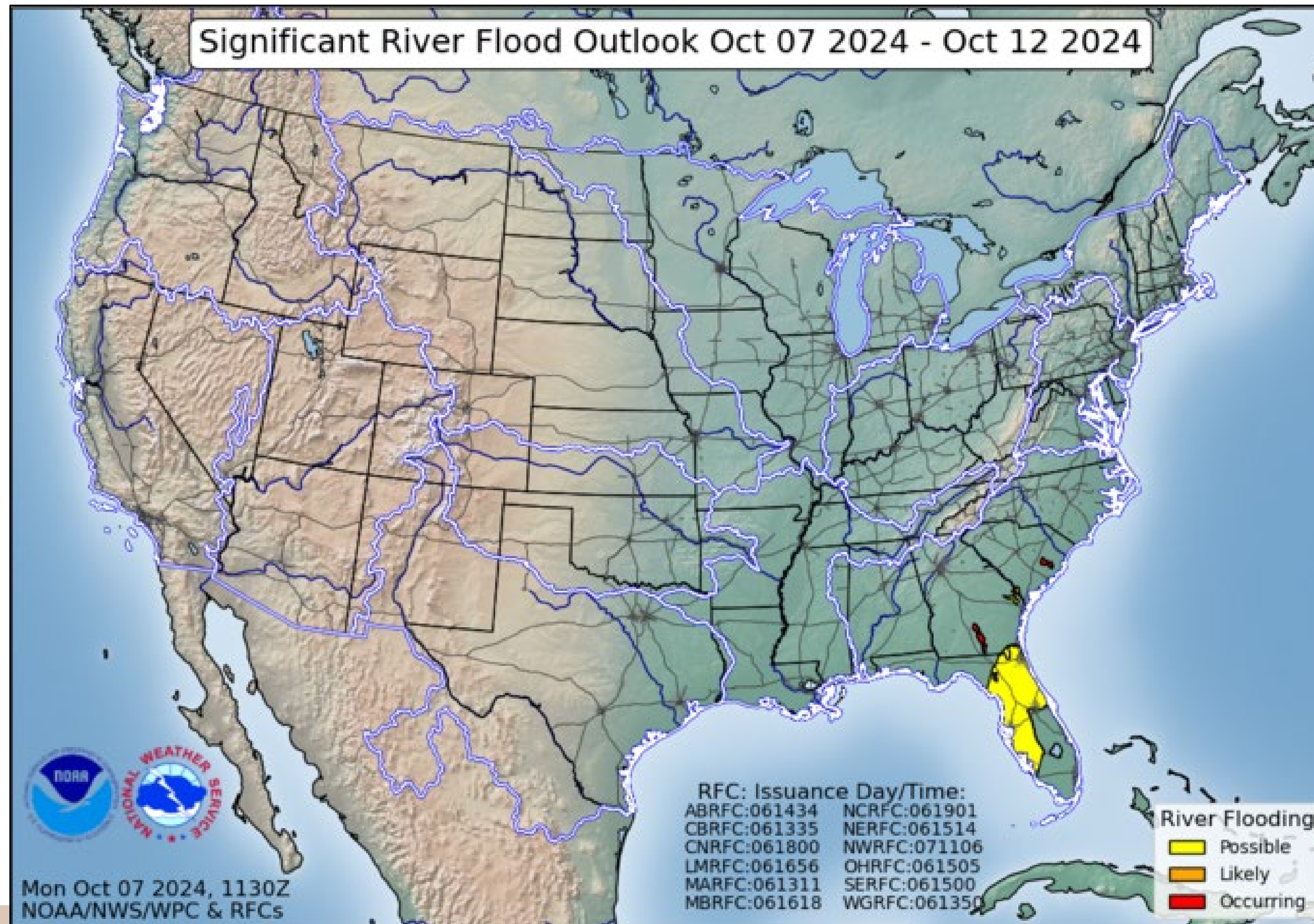


Flood Outlook

Hurricane Milton



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- Possible river flooding for central and north Florida after the Milton passes through

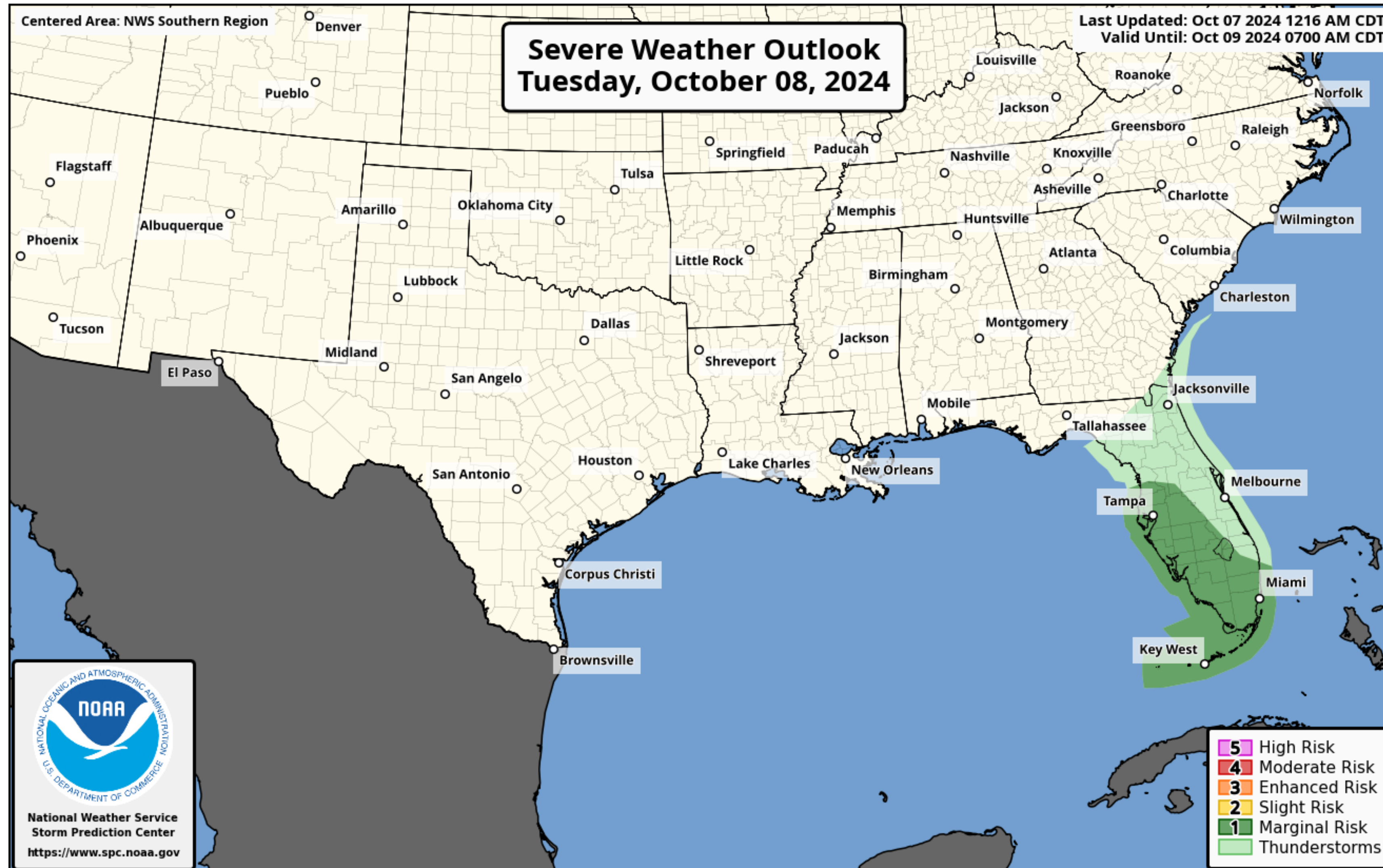
Tornado Outlook – Day 2

Hurricane Milton

Image from NWS Storm Prediction Center



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NWS National Hurricane Center



Key Messages

Hurricane Milton

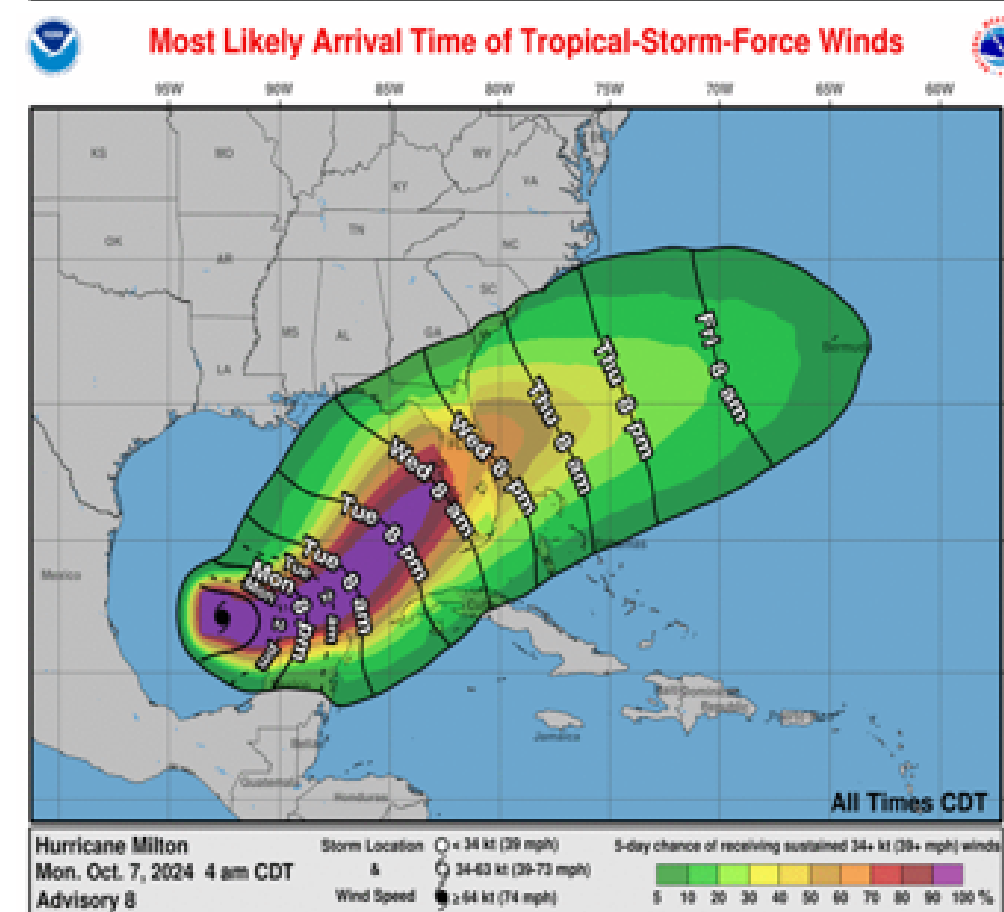
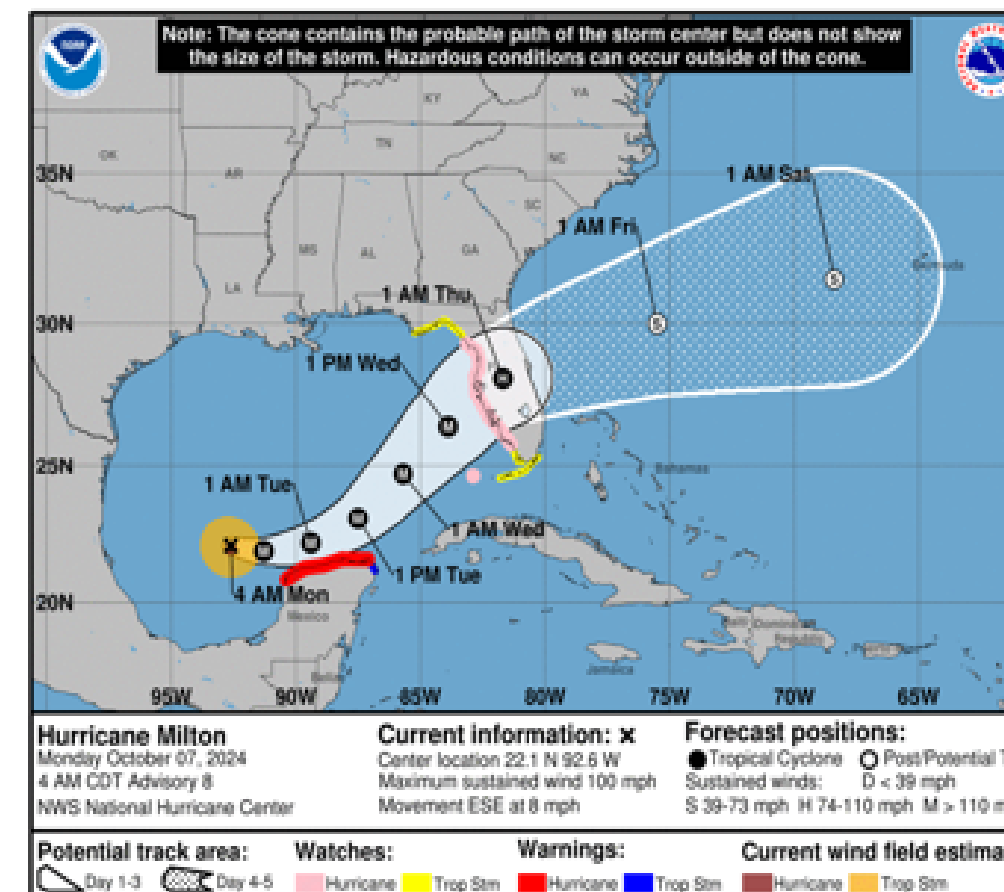


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Key Messages for Hurricane Milton Advisory 8: 4:00 AM CDT Mon Oct 07, 2024

1. Hurricane conditions are expected across portions of the northern coast of the Yucatan Peninsula. A dangerous storm surge with damaging waves is also likely along portions of the northern coast of the Yucatan Peninsula.
2. There is an increasing risk of life-threatening storm surge and damaging winds for portions of the west coast of the Florida Peninsula beginning Tuesday night or early Wednesday. Storm Surge and Hurricane Watches are now in effect for portions of the west coast of the Florida Peninsula and residents in that area should follow any advice given by local officials and evacuate if told to do so.
3. Areas of heavy rainfall will impact portions of Florida today well ahead of Milton, with heavy rainfall more directly related to the system expected later on Tuesday through Wednesday night. This rainfall will bring the risk of considerable flash, urban, and areal flooding, along with the potential for moderate to major river flooding.



For more information go to hurricanes.gov

IMPACTS FOR D7

Winds/US Coast – **Extreme**

Winds/SRR – **Extreme**

Waves/US Coastal – **Extreme**

Waves/SRR – **Extreme**

through next 5 days

US Storm Surge – **Extreme**

US Rainfall/Flash Flooding – **High**

US Tornadoes – **Medium**

- **Marine Key Messages:**
- Dangerous seas will expand across the central and eastern Gulf of Mexico by late Tuesday
- Peak seas will reach 35 ft in the Gulf and will recede by Thursday night
- Seas over the Atlantic will rapidly build on Wednesday and continue through Friday

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



HURRICANE MILTON BRIEFING

This briefing was prepared by:
Chris Landsea – Chris.Landsea@noaa.gov

TIME of NEXT NHC Advisory:
11 AM EDT

The Next Briefing Will Be:
Monday 6:00 PM EDT

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



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