

**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 – Extreme**

**US Tornadoes – Moderate**

# HURRICANE MILTON BRIEFING



9:00 AM EDT  
Tuesday, October 8, 2024

Prepared by:  
**Chris Landsea**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



# What's New Since Last Briefing

Hurricane Milton



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

- **Milton has weakened slightly to a Category 4 hurricane (but forecast unchanged)**
- **However, storm surge impacts increased for west central Florida**
- **Hurricane Warnings issued for Florida east coast**
- **Rainfall flooding risk increased to Extreme for northern Florida peninsula**

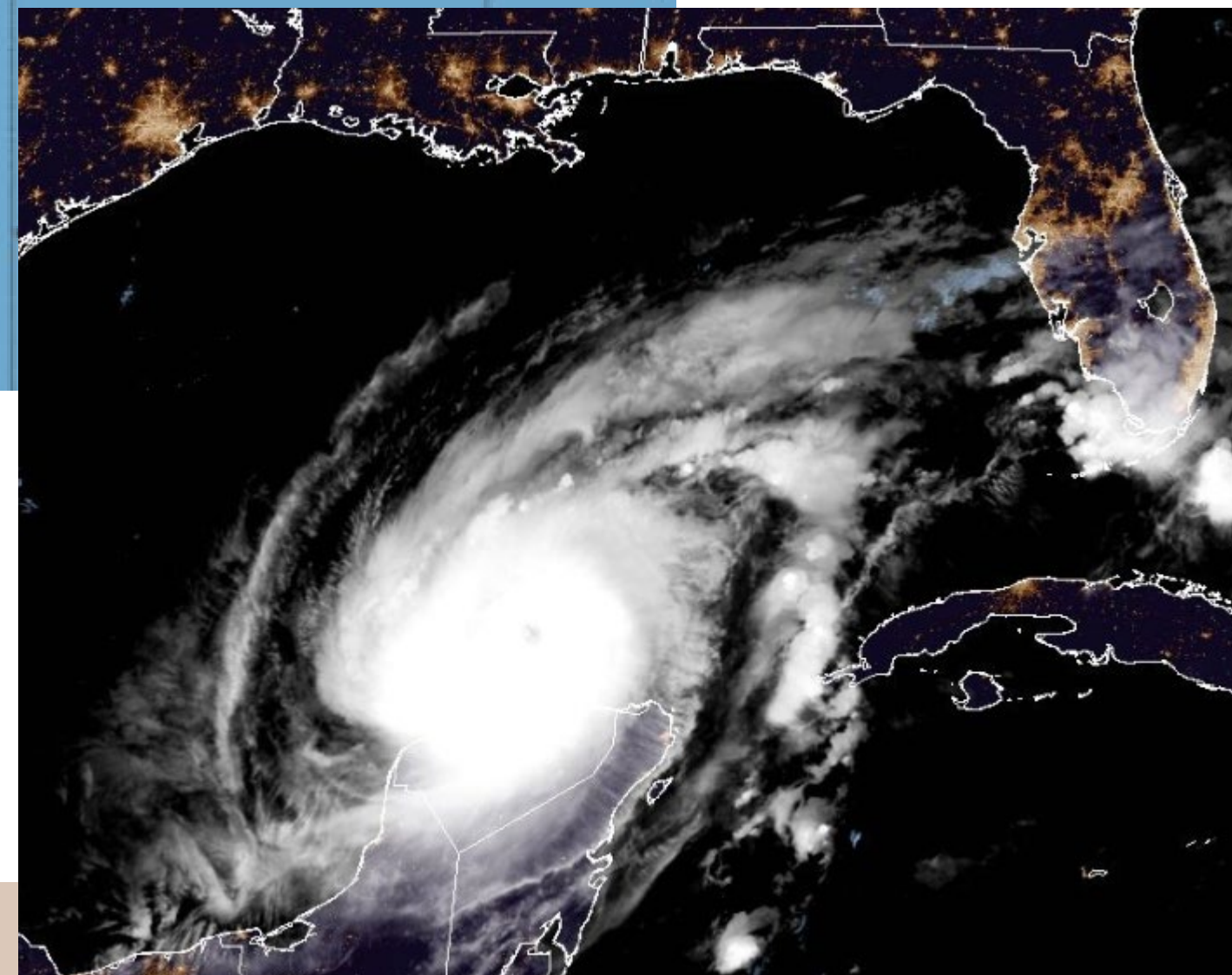
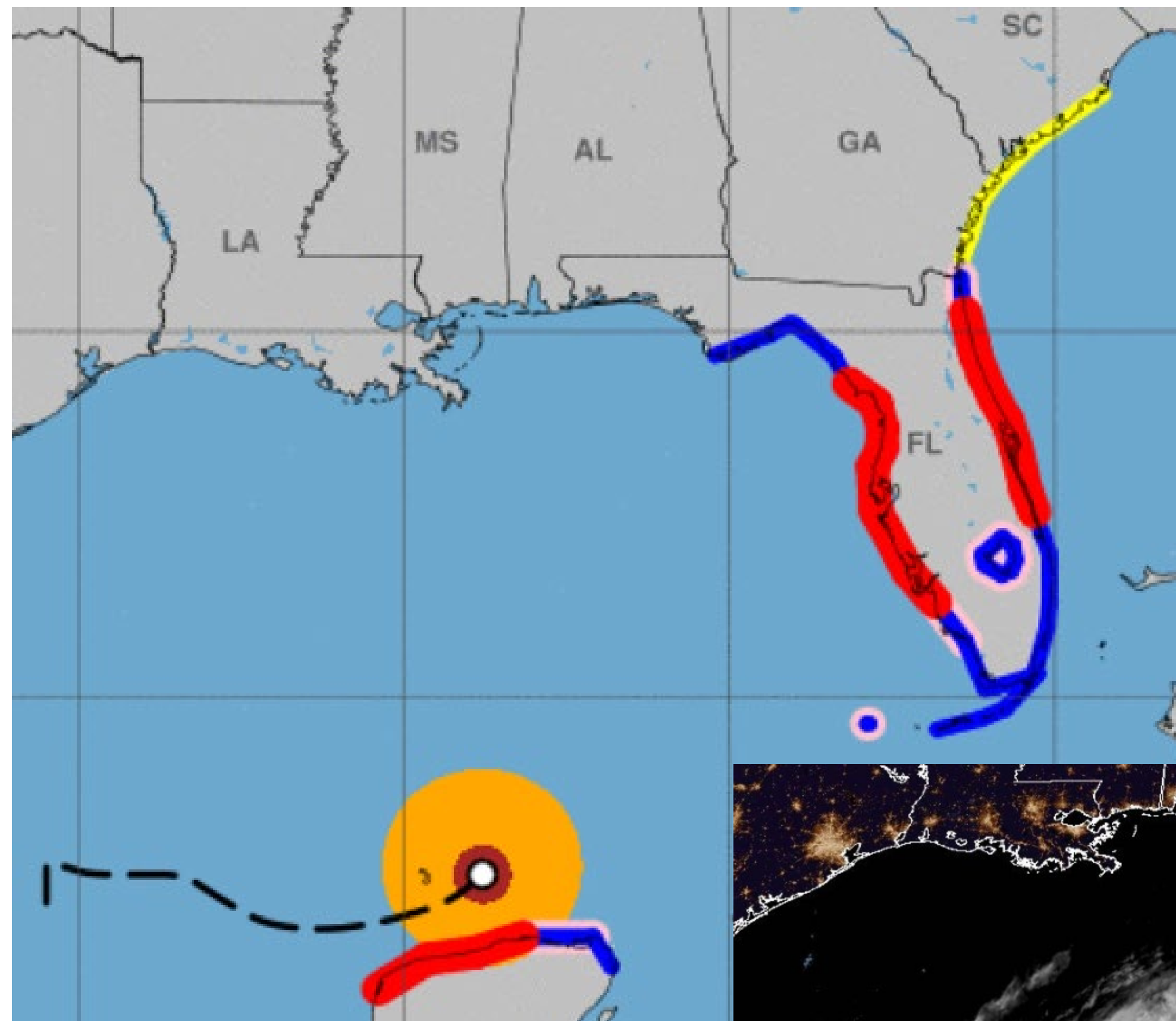


# Situation Overview

Hurricane Milton



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**...HURRICANE AND STORM SURGE  
WARNINGS ISSUED FOR PORTIONS OF  
THE EAST COAST OF FLORIDA...  
...RESIDENTS IN FLORIDA ARE URGED TO  
USE TODAY TO PREPARE FOR  
MILTON'S ARRIVAL AND EVACUATE IF  
TOLD TO DO SO BY LOCAL OFFICIALS...**

## SUMMARY OF 800 AM CDT INFORMATION

LOCATION...22.5N 88.8W  
ABOUT 465 NM SW OF TAMPA FLORIDA  
MAXIMUM SUSTAINED WINDS...125 KT  
PRESENT MOVEMENT...ENE AT 11 KT

SIZE  
64 KT..... 25NE 25SE 25SW 25NW.  
34 KT..... 90NE 80SE 80SW 90NW.  
12 FT SEAS..120NE 75SE 300SW 210NW.  
PEAK SEAS 32 FT

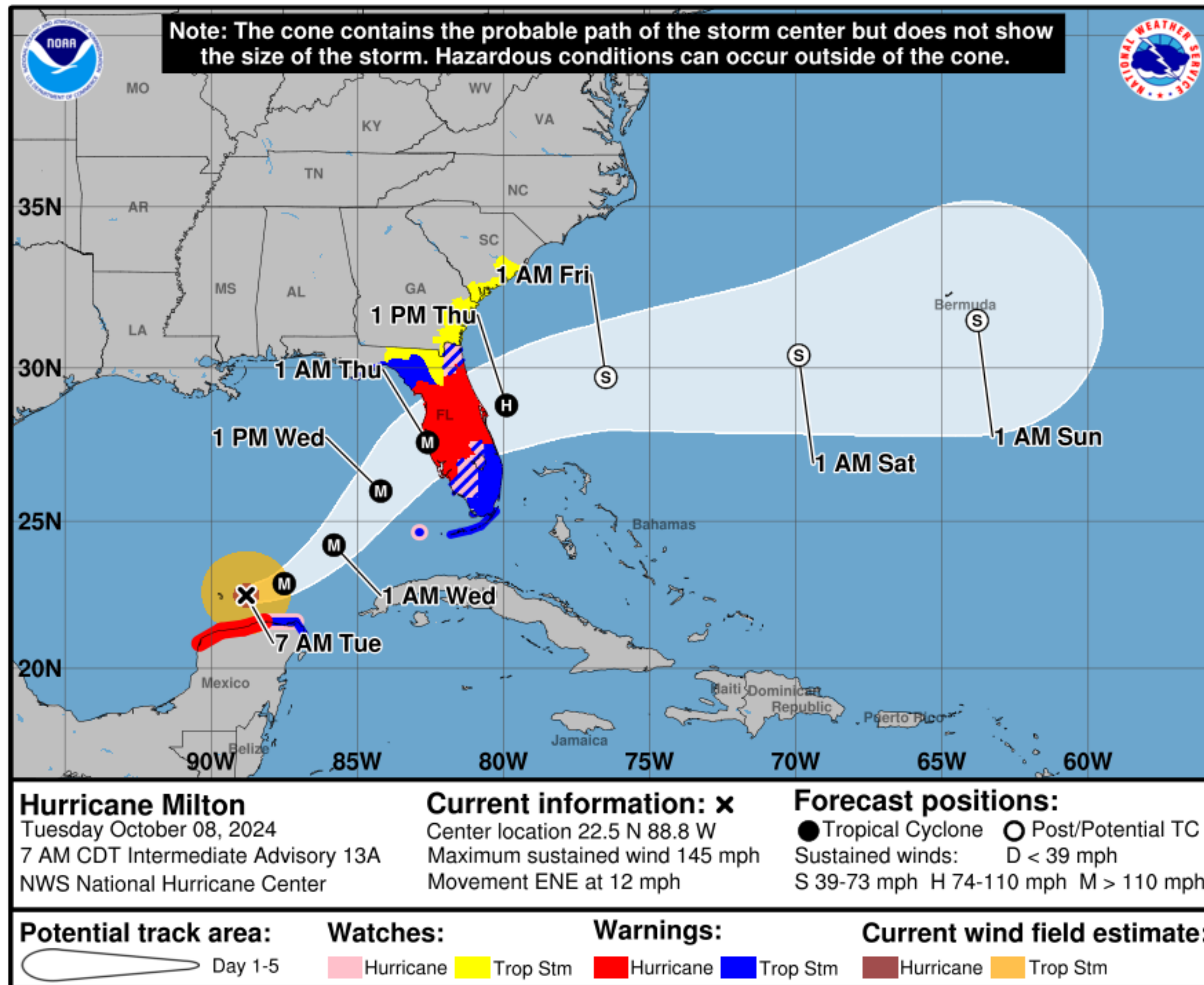


# Forecast Information

## 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.

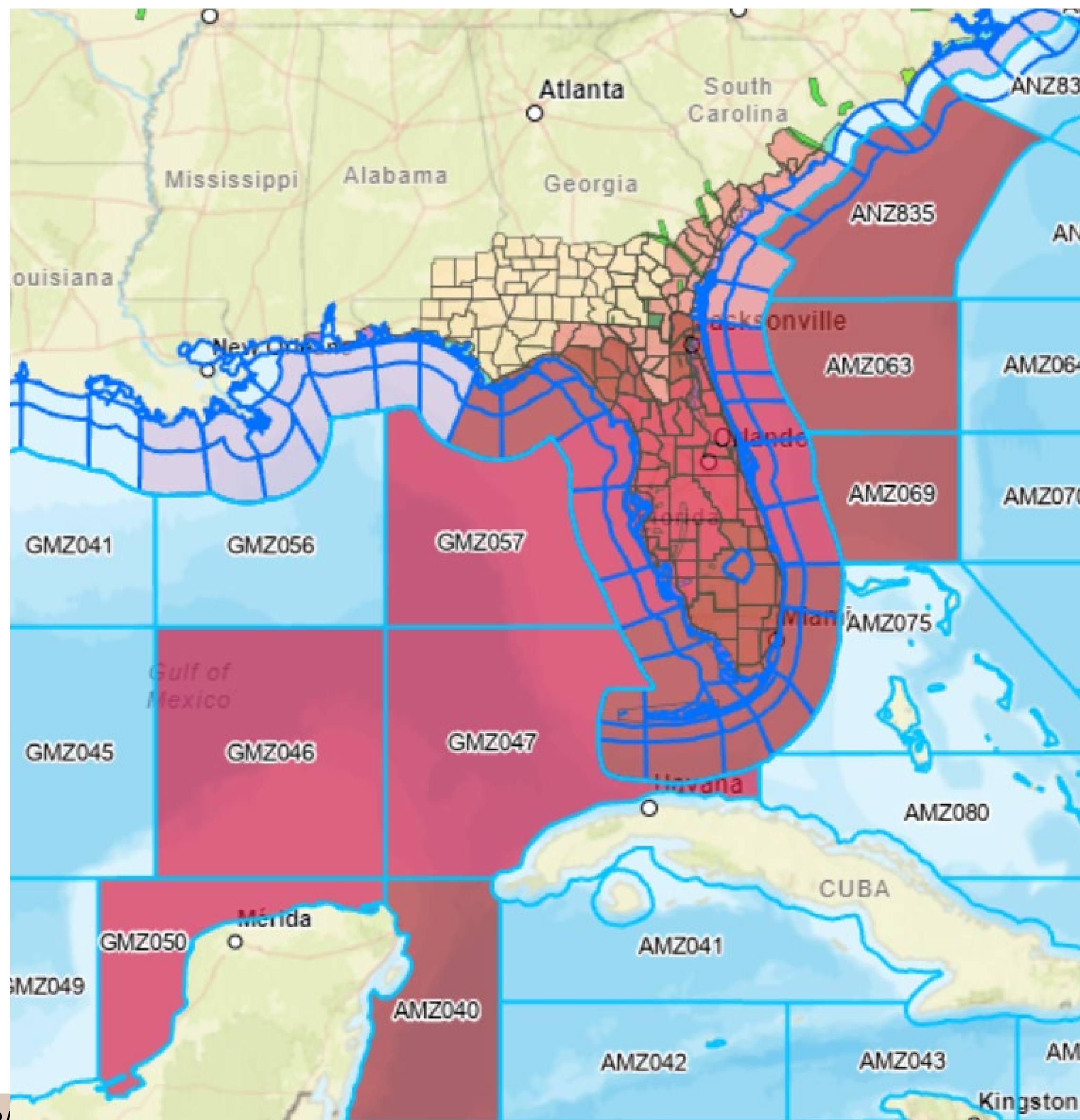
- **Milton will move toward the northeast at about the same speed through Thursday**
  - **The major hurricane will make landfall somewhere between Port Charlotte and Cedar Key Wednesday night as a large Category 3 or 4 hurricane**
  - **After passing over Florida, Milton will accelerate over the Atlantic while weakening and transitioning into an extratropical cyclone**
  - 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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- Tropical Storm Watch (60)
- Hurricane Watch (44)
- Storm Surge Watch (2)
- Red Flag Warning (2)
- Gale Warning (18)
- Excessive Heat Warning (16)
- Coastal Flood Warning (3)
- Flood Warning (33)
- Tropical Storm Warning (53)
- Hurricane Warning (48)

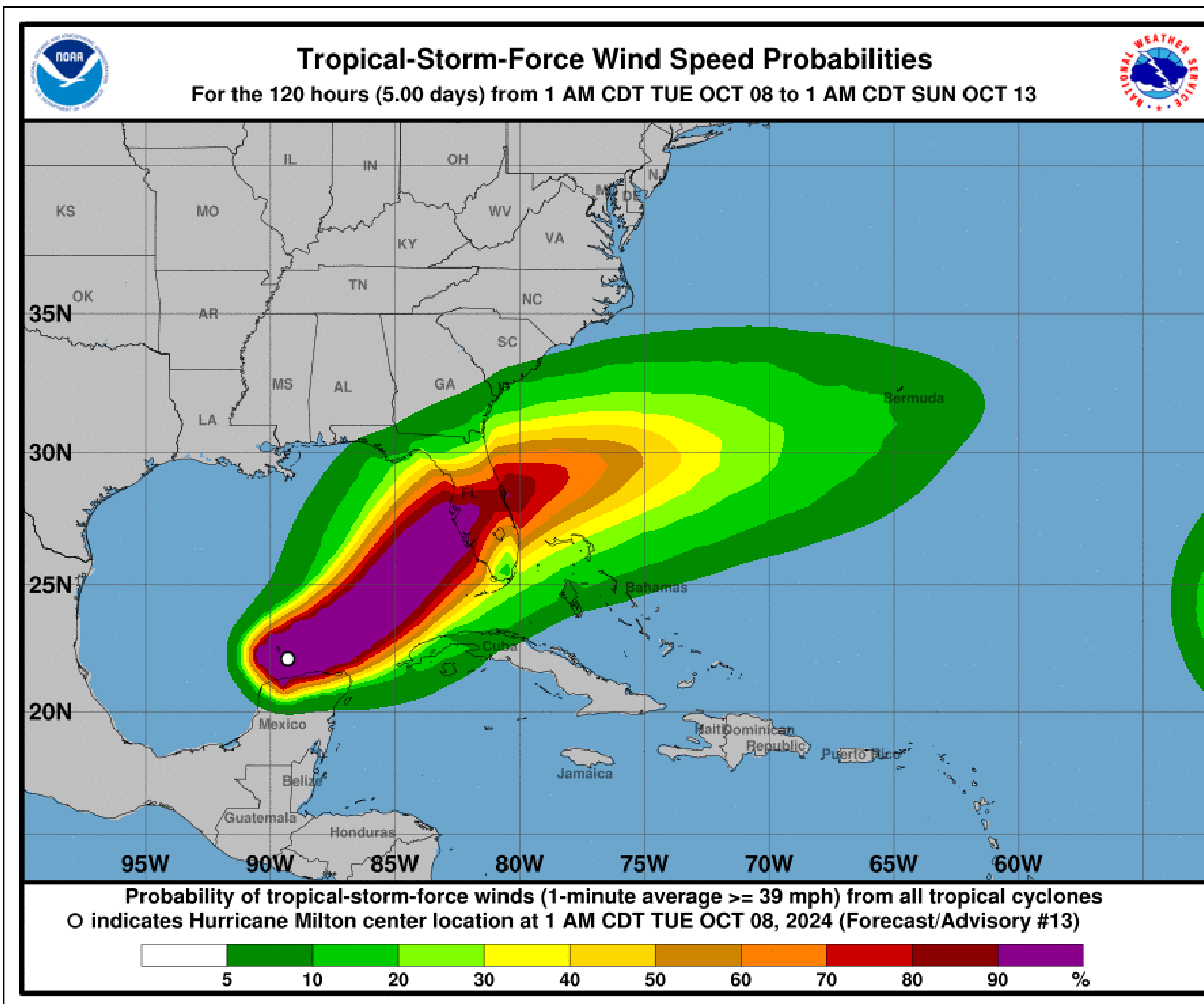


# T.S. Wind Speed Probabilities

Hurricane Milton



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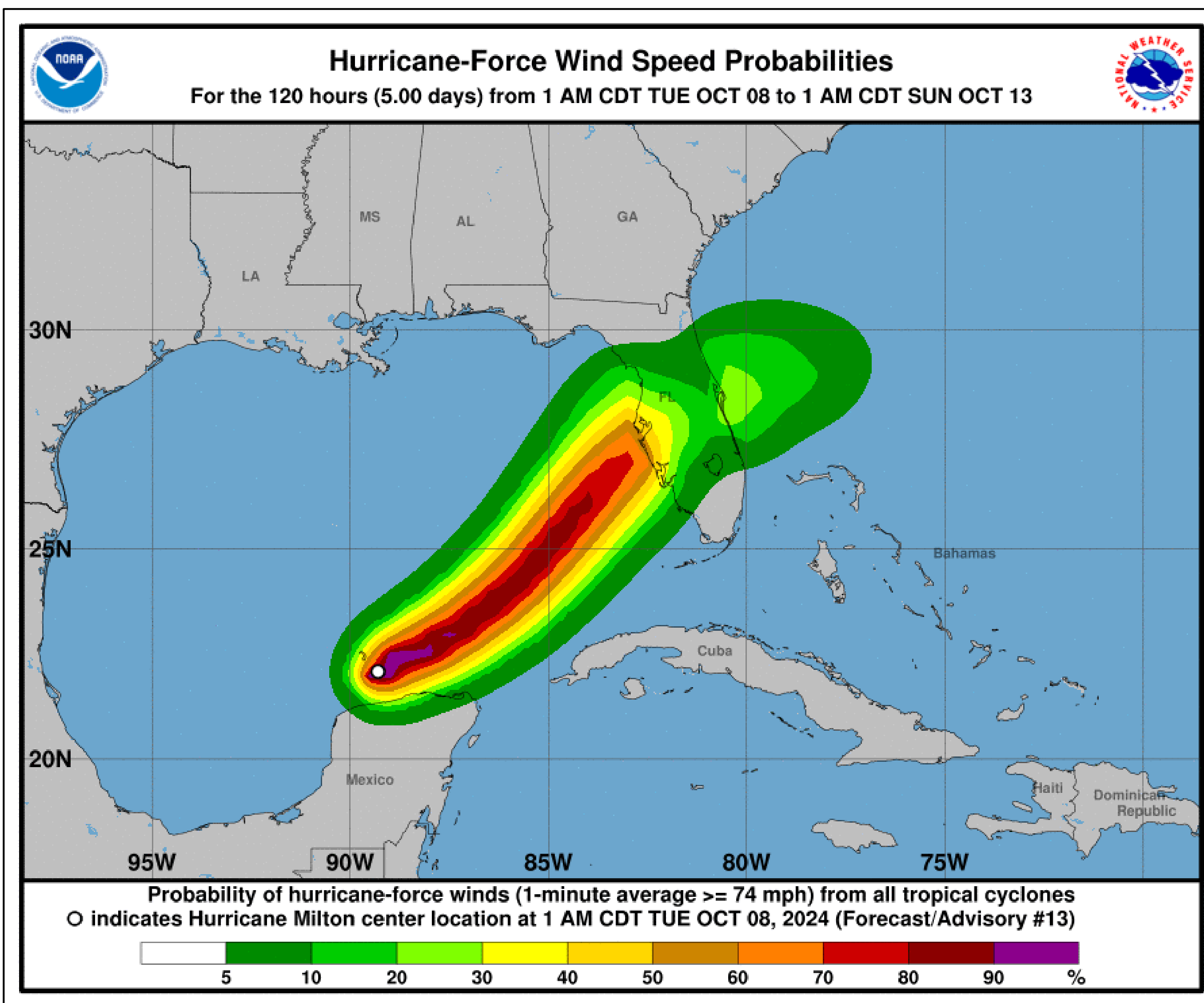
- Cedar Key – 65%
  - Tampa – 95%
  - Venice – 95%
  - Ft Myers – 75%
  - Naples – 80%
  - Key West – 40%
  - Marathon – 30%
  - Kings Bay, GA - 30%
  - Mayport – 40%
  - Jacksonville – 20%
  - Daytona – 60%
  - Cocoa Beach – 85%
  - Patrick AFB – 85%
  - Ft. Pierce – 80%
  - W Palm Beach – 60%
  - Ft Lauderdale – 50%
  - Miami – 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



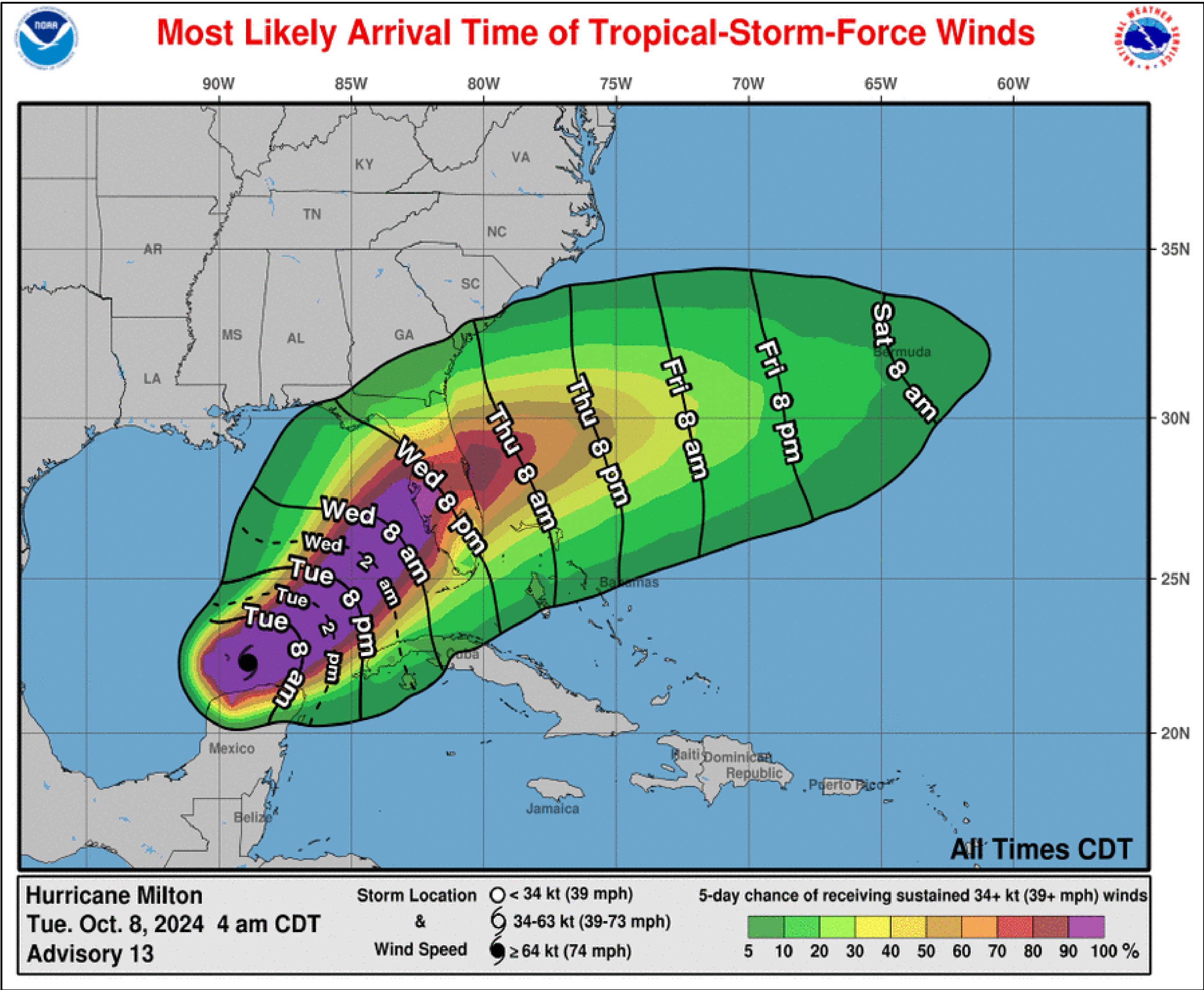
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- Cedar Key – 20%
  - Tampa – 50%
  - Venice – 55%
  - Ft. Myers – 15%
  - Naples – 15%
  - Cocoa Beach – 25%
  - Patrick AFB – 25%
  - Ft. Pierce – 15%
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this 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 Milton



- **Florida Keys – Wednesday noon**
  - **SW Florida – Wednesday afternoon**
  - **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.

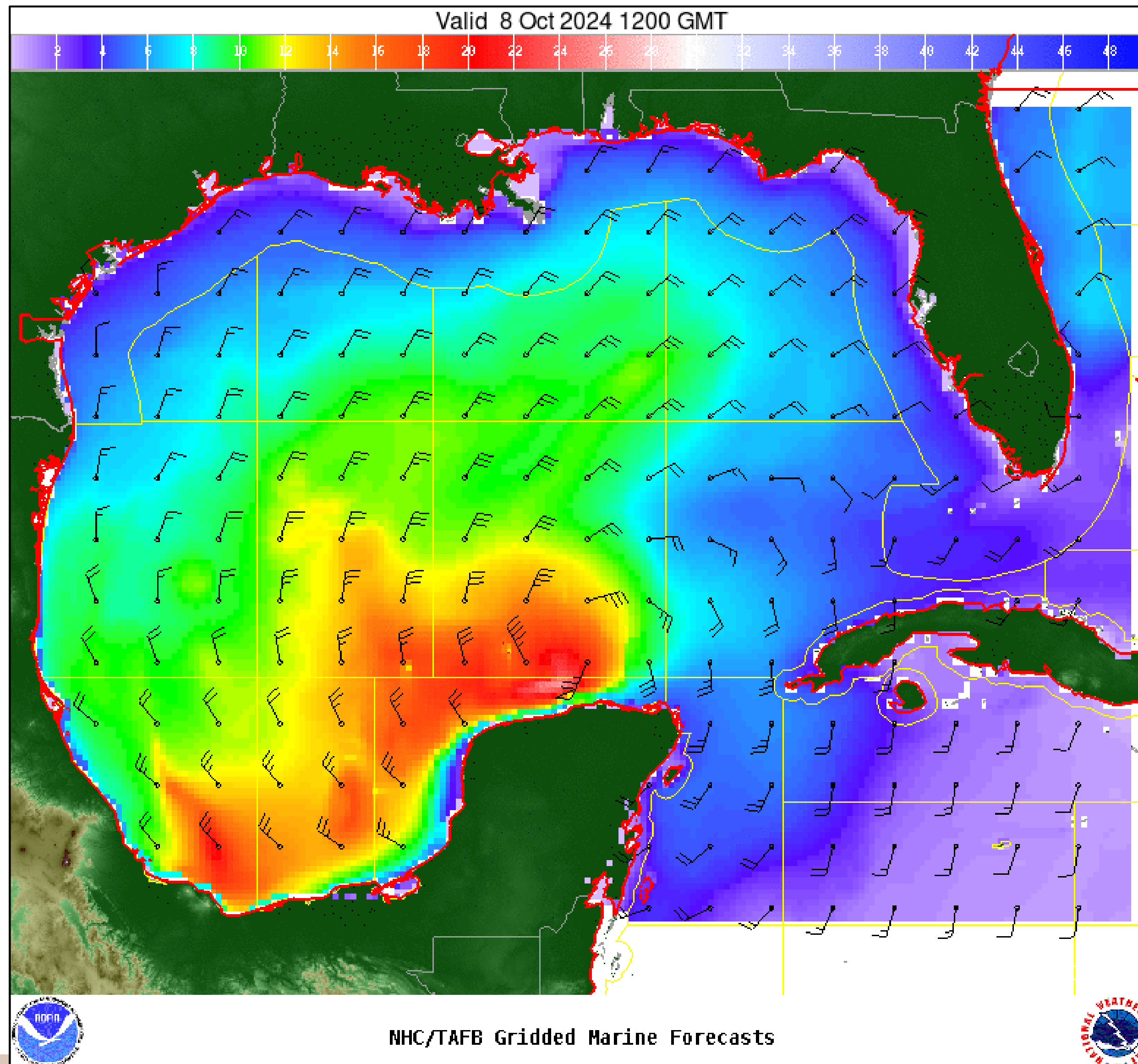


# Wind And Waves

## Hurricane Milton



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### Current Conditions

8am EDT Tuesday, October 8th

Peak Winds: 125 kt

Peak Seas: 32 ft

- Wave heights are in feet



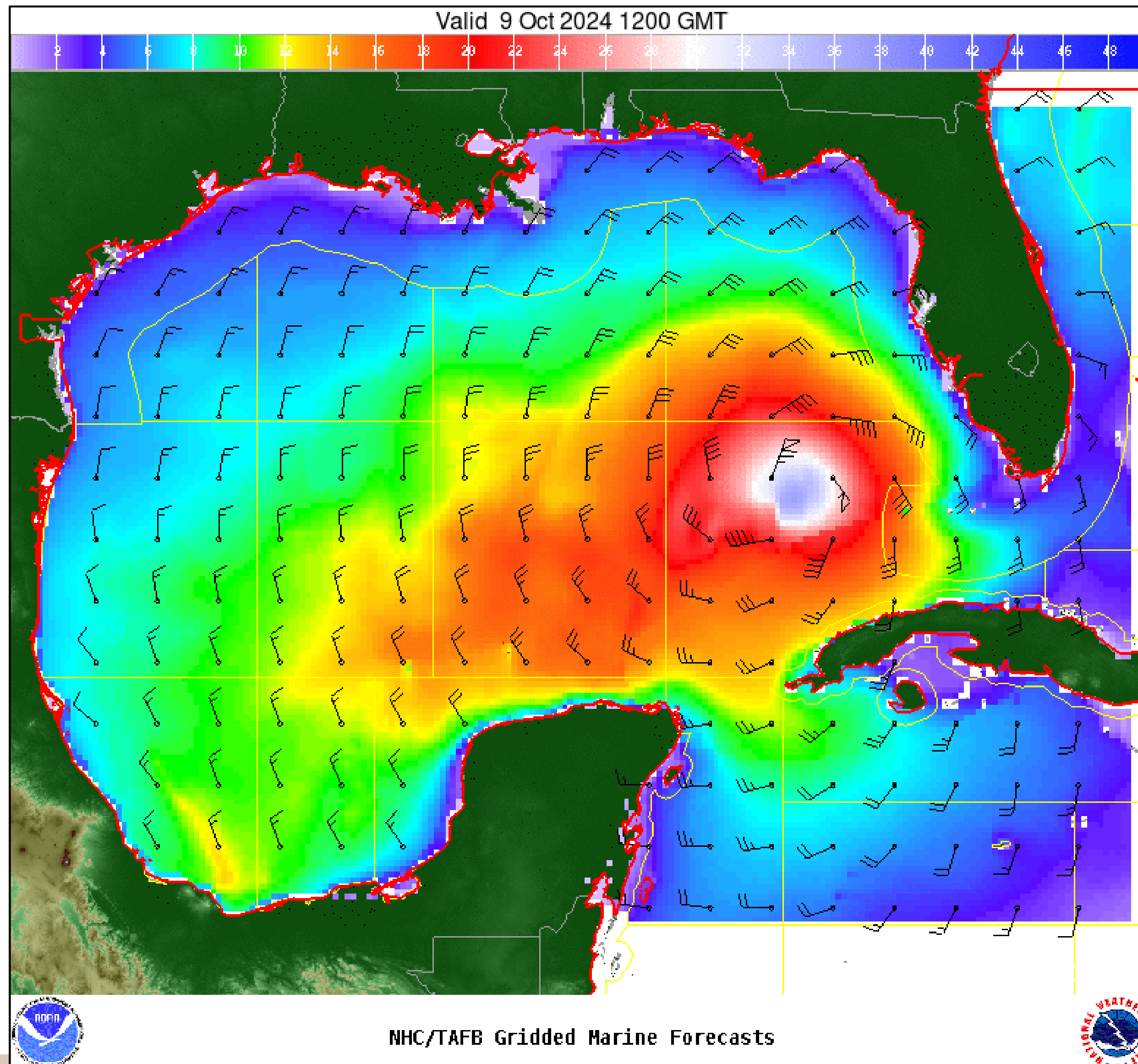
Significant Wave Height (ft)

# Wind And Waves

## Hurricane Milton



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## 24 Hour Forecast

8am EDT Wednesday October 9<sup>th</sup>

Peak Winds: 135 kt

Peak Seas: 36 ft

- Wave heights are in feet



Significant Wave Height (ft)

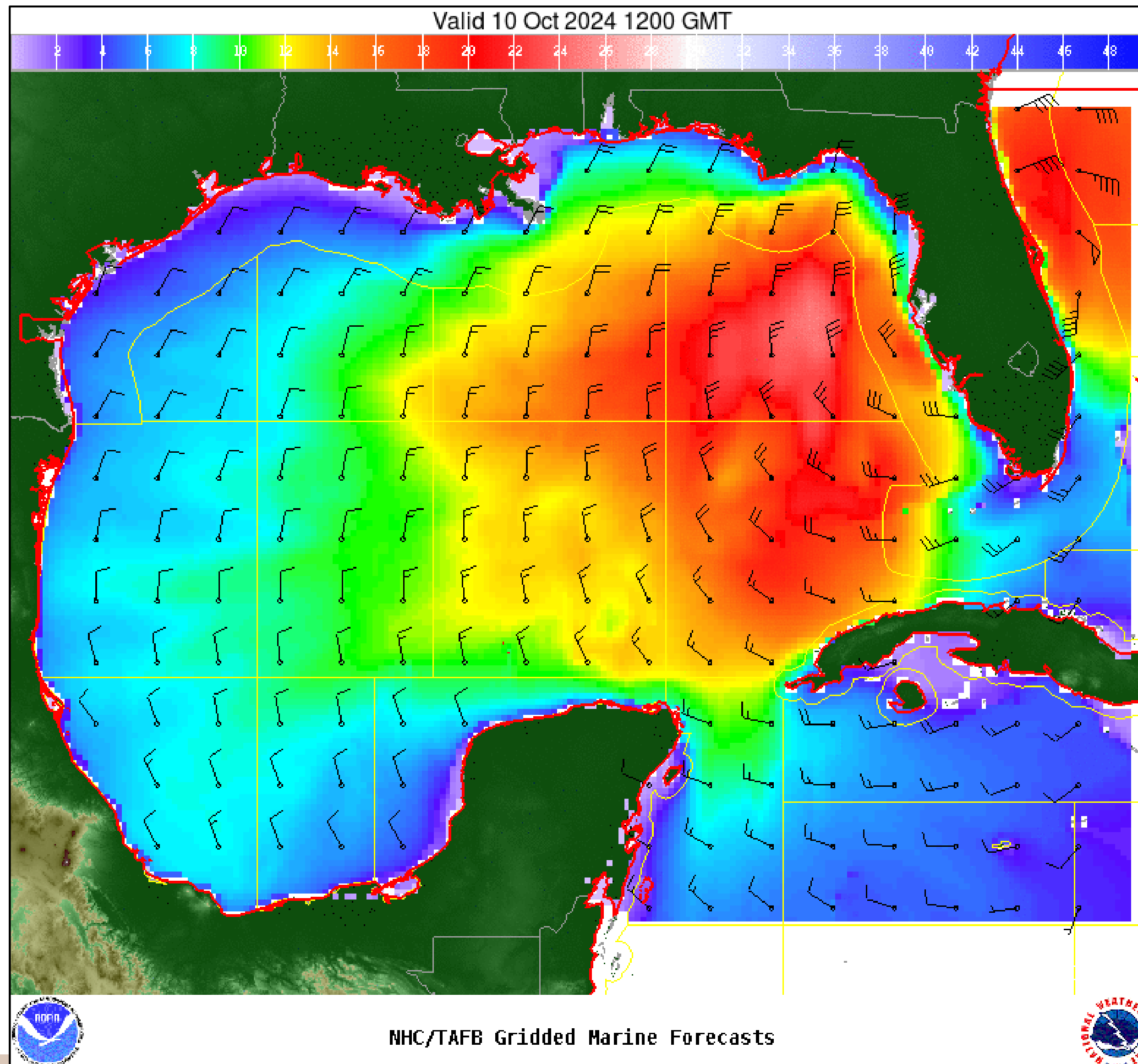


# Wind And Waves

## Hurricane Milton



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### 48 Hour Forecast

8am EDT Thursday October 10<sup>th</sup>

Peak Winds: 40 kt (Gulf)

Peak Seas: 25 ft (Gulf)

- Wave heights are in feet



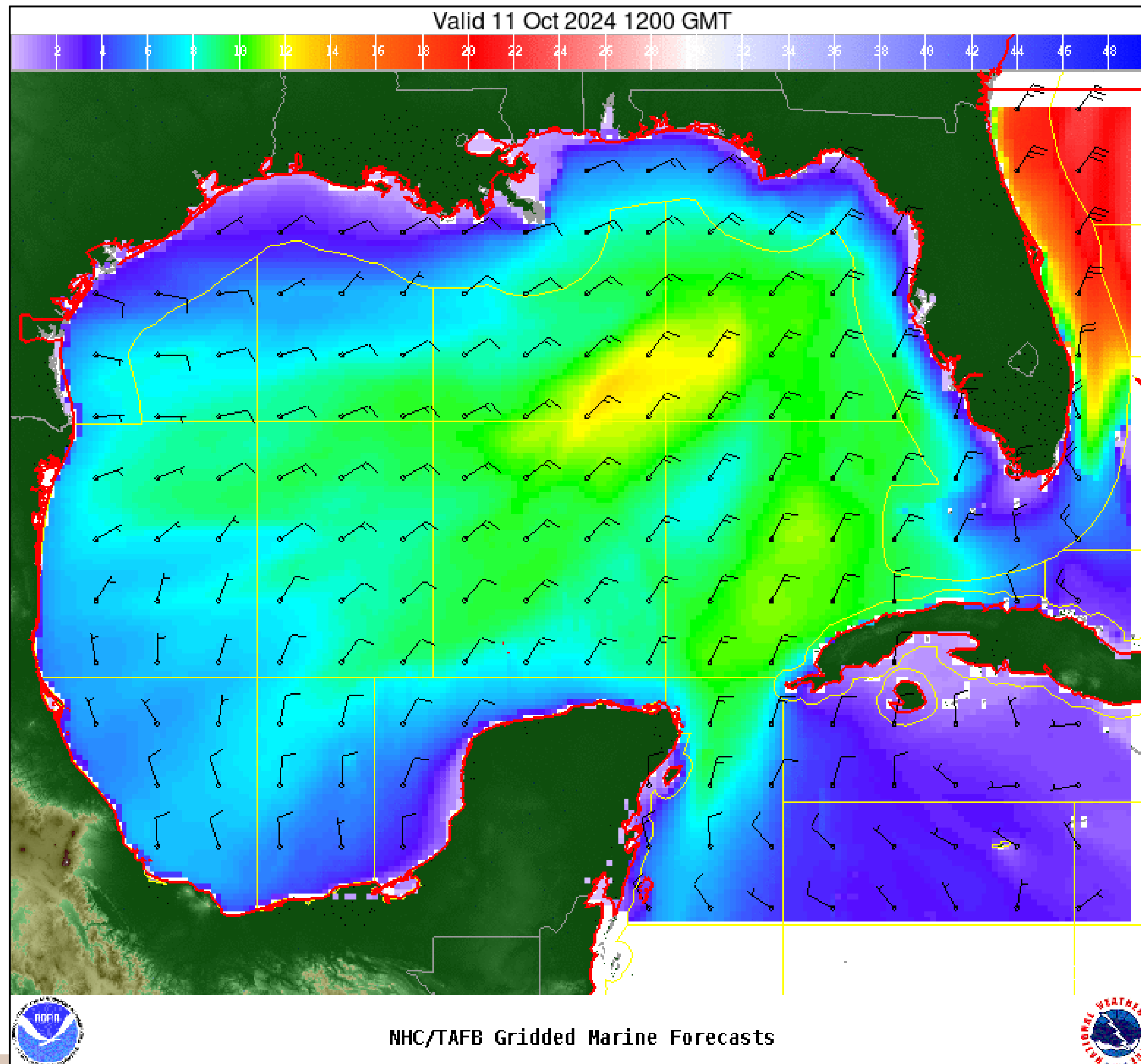
Significant Wave Height (ft)

# Wind And Waves

## Hurricane Milton



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## 72 Hour Forecast

8am EDT Friday, October 11th

Peak Winds: 20 kt (Gulf)

Peak Seas: 11 ft (Gulf)

- Wave heights are in feet



Significant Wave Height (ft)

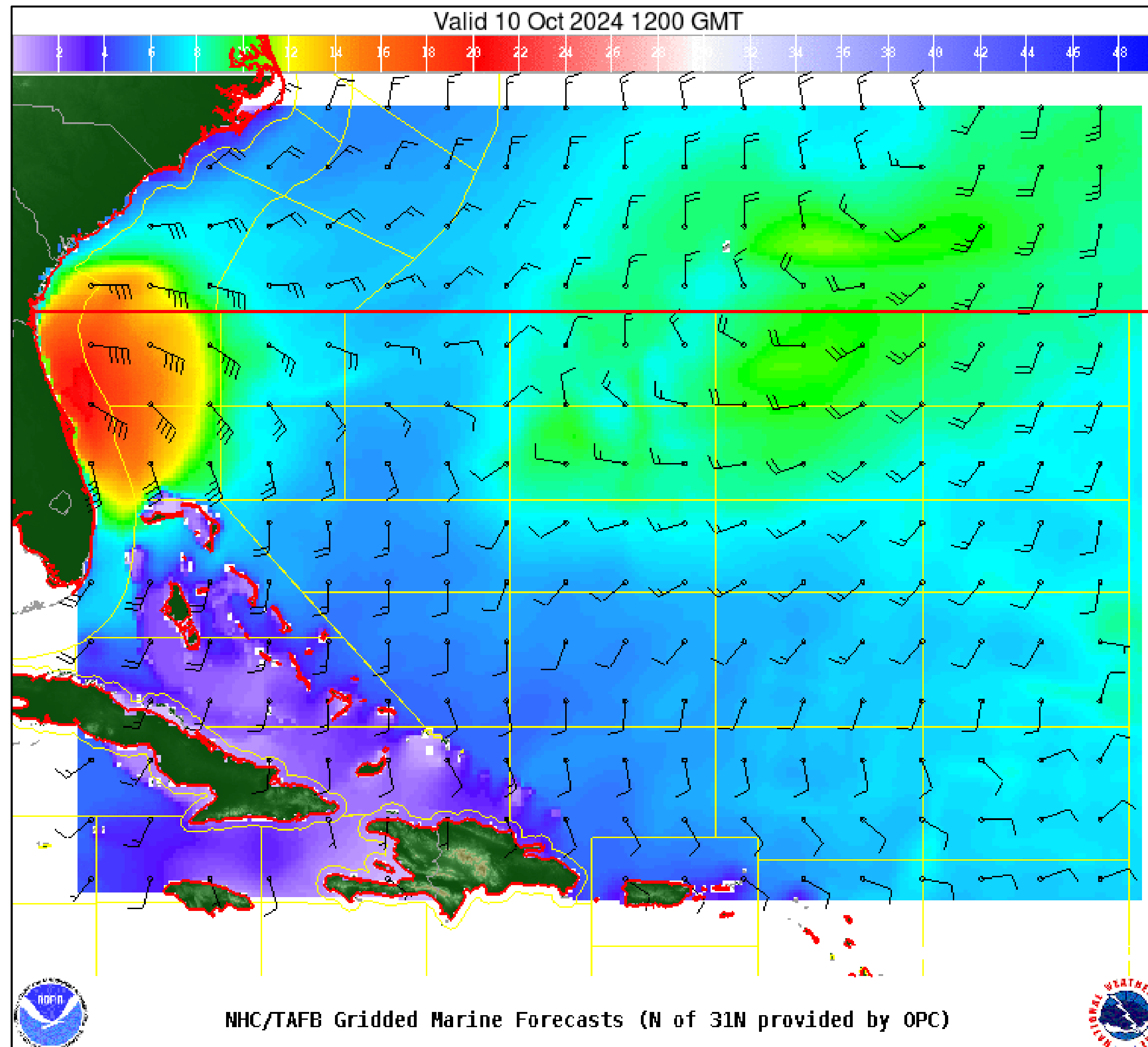


# Wind And Waves

## Hurricane Milton



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## 48 Hour Forecast

8am EDT Thursday October 10<sup>th</sup>

Peak Winds: 55 kt (Atlantic)

Peak Seas: 21 ft (Atlantic)

- Wave heights are in feet



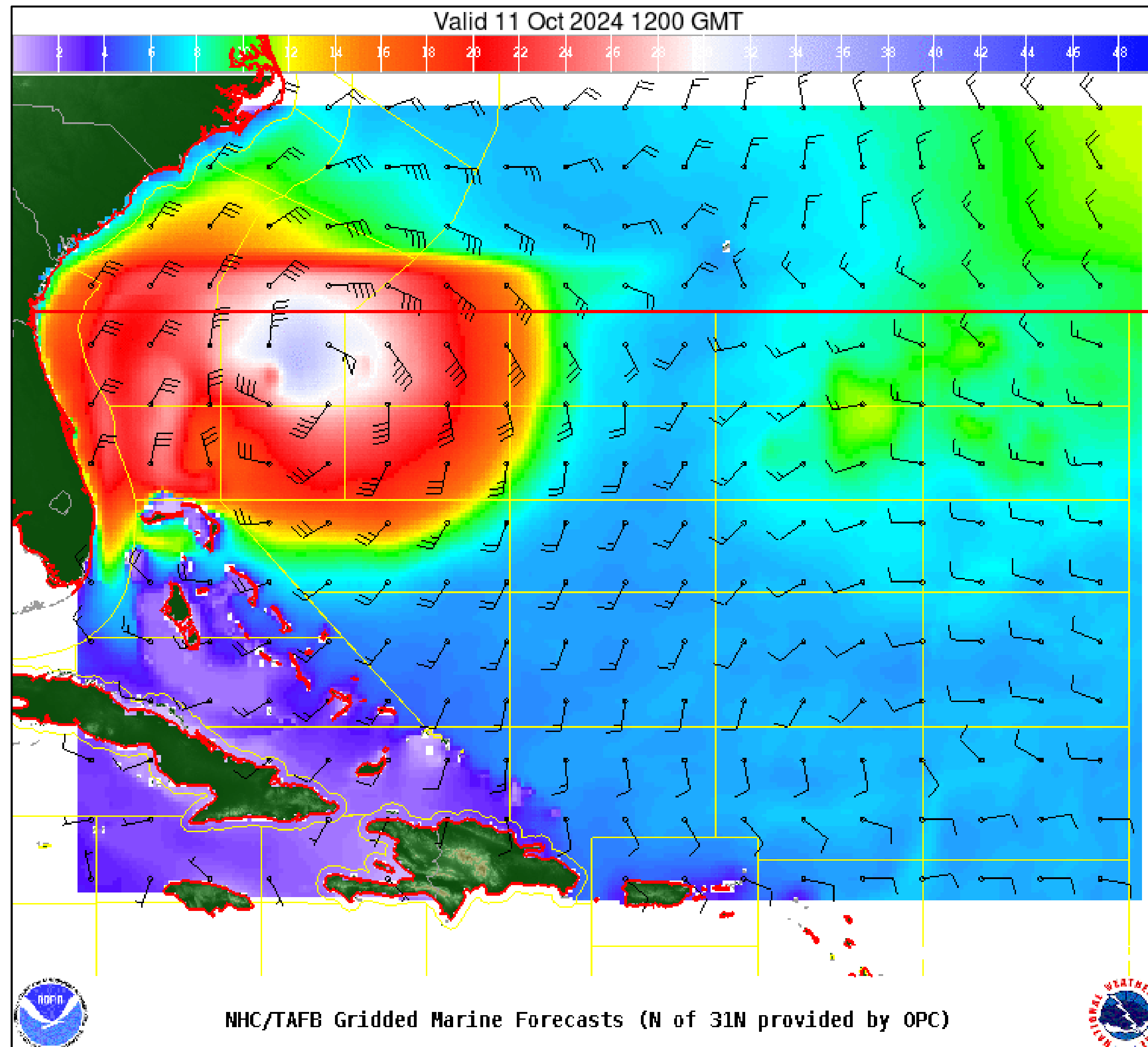
Significant Wave Height (ft)

# Wind And Waves

## Hurricane Milton



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## 72 Hour Forecast

8am EDT Friday, October 11th

Peak Winds: 60 kt (Atlantic)

Peak Seas: 35 ft (Atlantic)

- Wave heights are in feet



Significant Wave Height (ft)

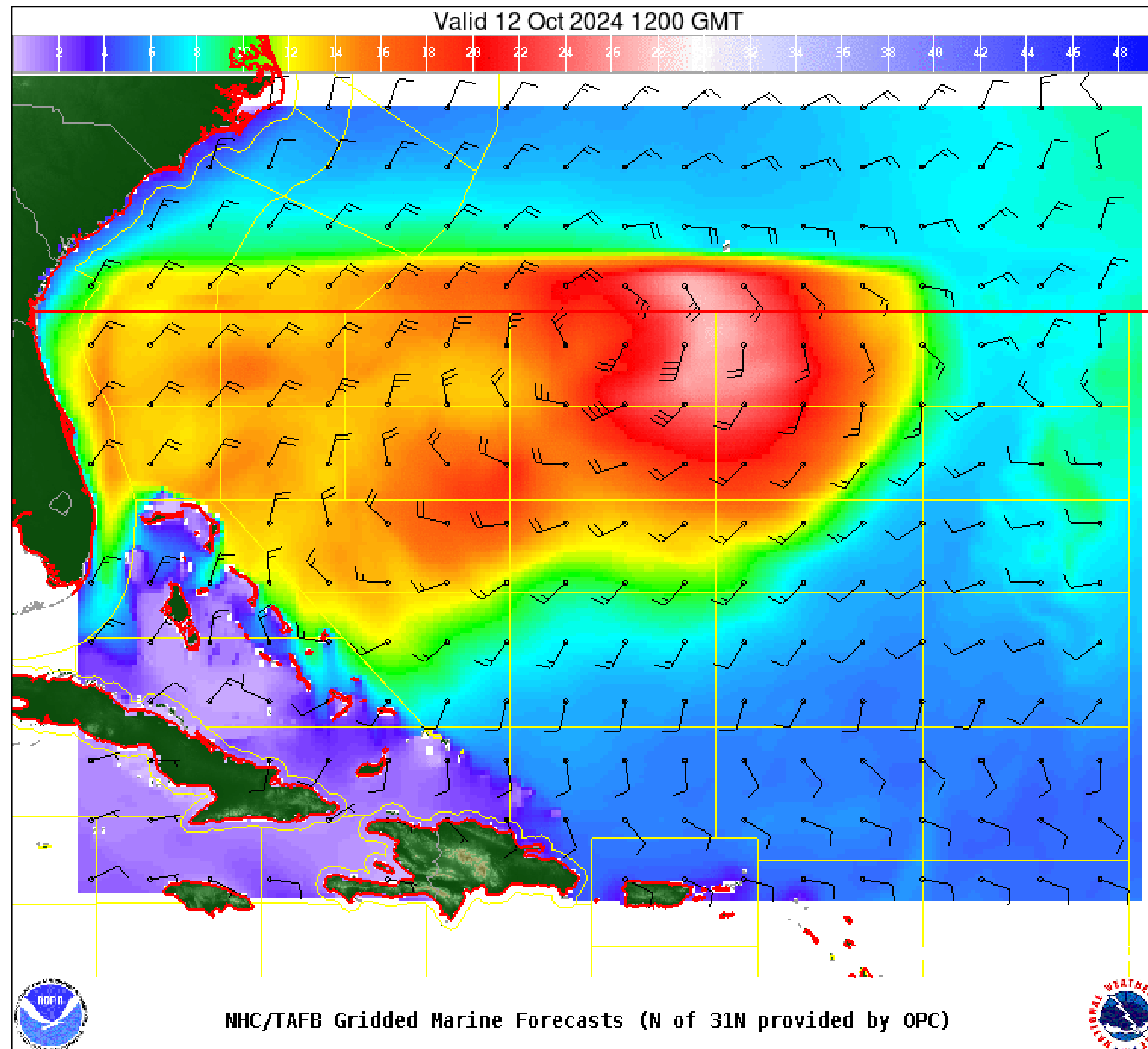


# Wind And Waves

## Hurricane Milton



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## 96 Hour Forecast

8am EDT Saturday, October 12th

Peak Winds: 45 kt (Atlantic)

Peak Seas: 28 ft (Atlantic)

- Wave heights are in feet



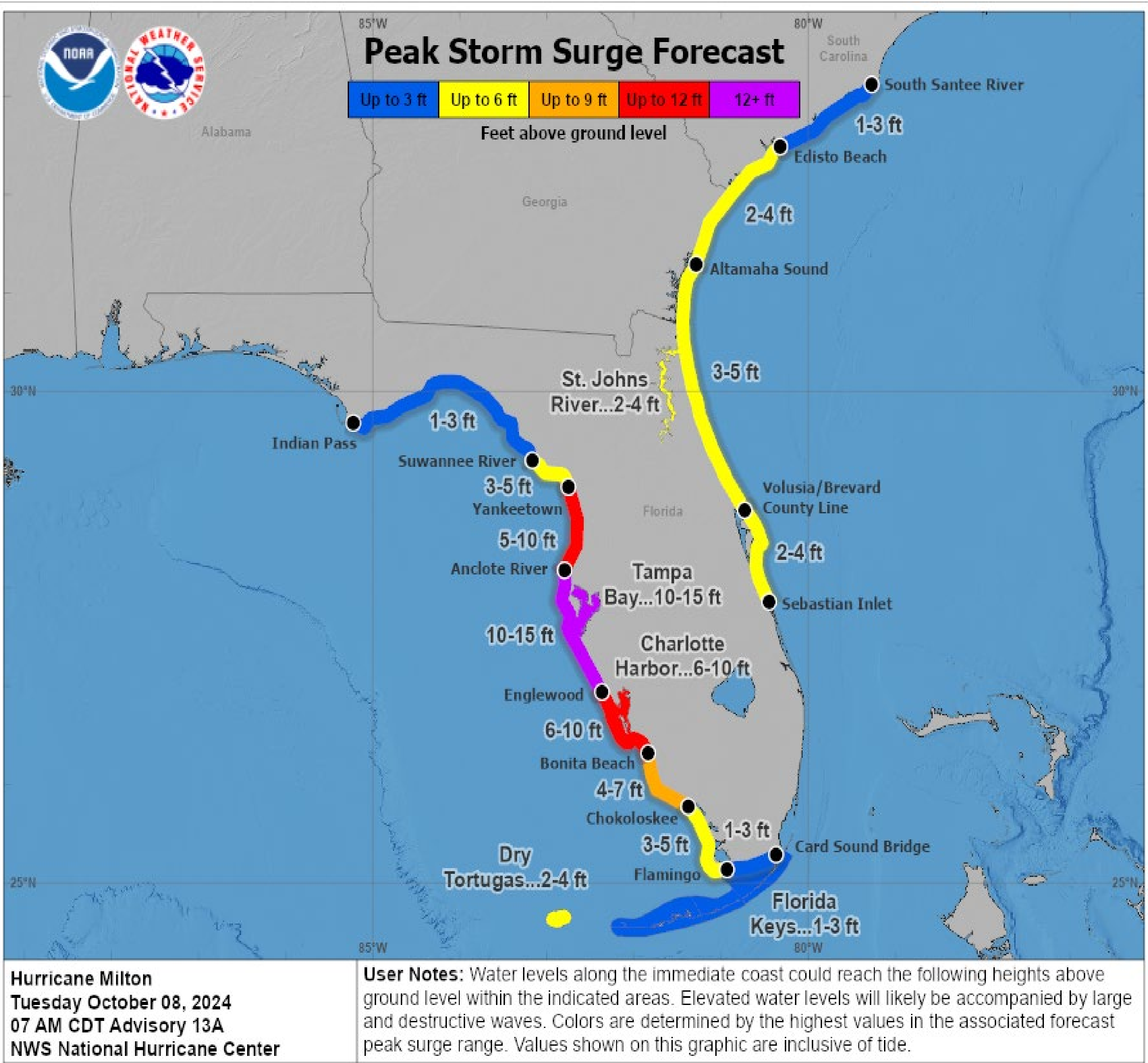
Significant Wave Height (ft)

# Potential Peak Storm Surge / Watches and Warnings



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

## Hurricane Milton





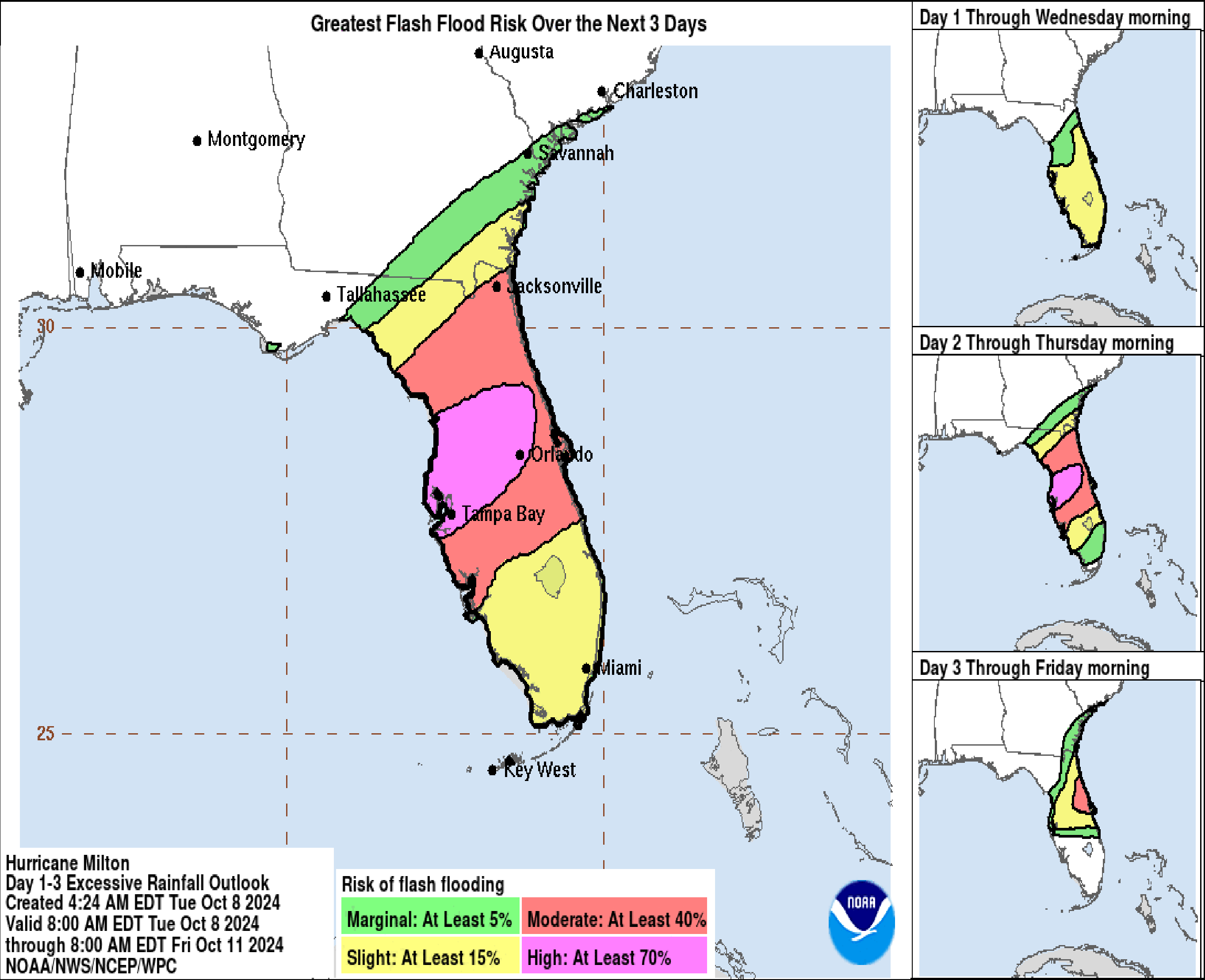
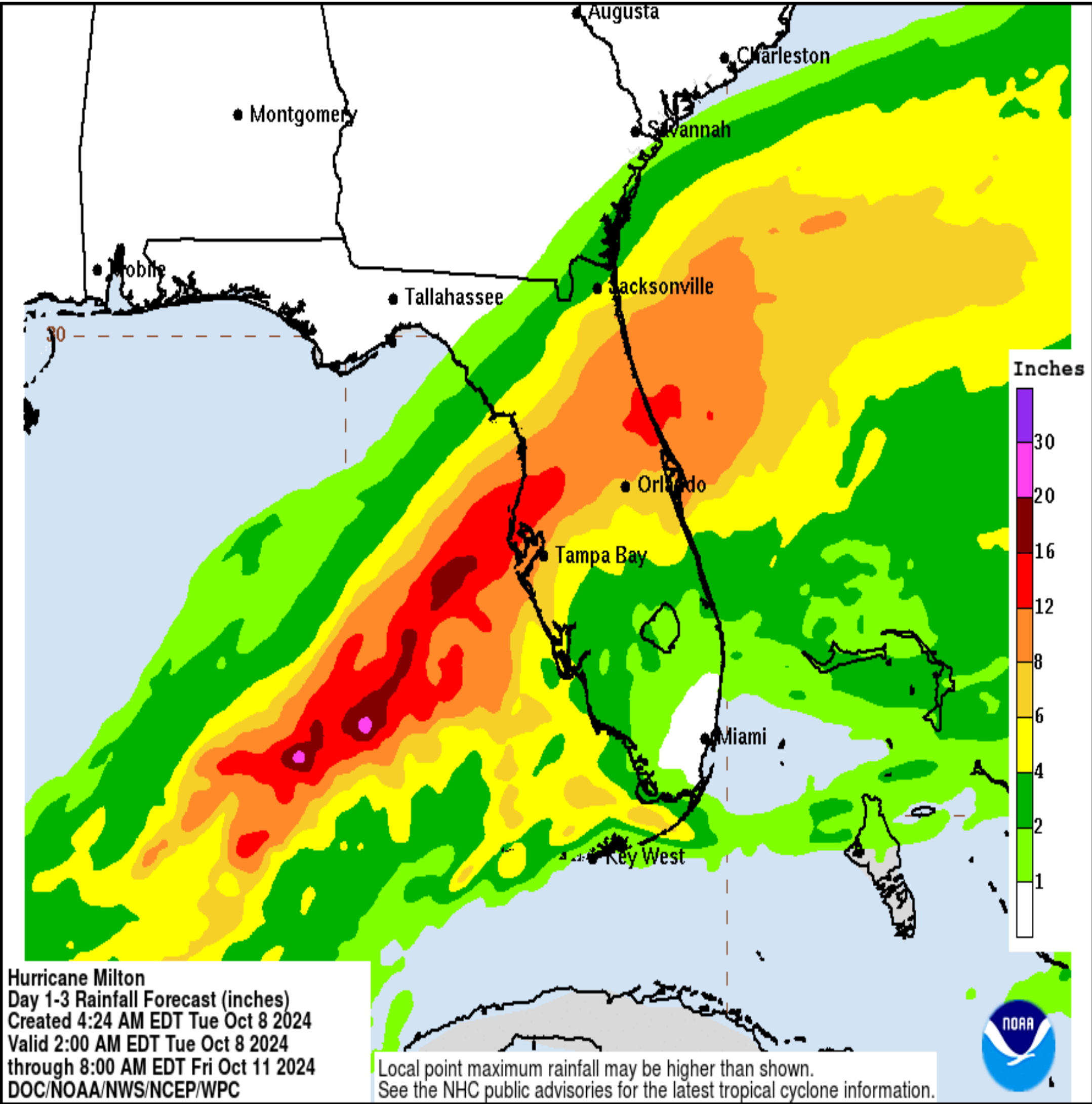
# Expected Storm Total Rainfall and Chance of Rainfall Flooding

Hurricane Milton

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



# Flood Outlook

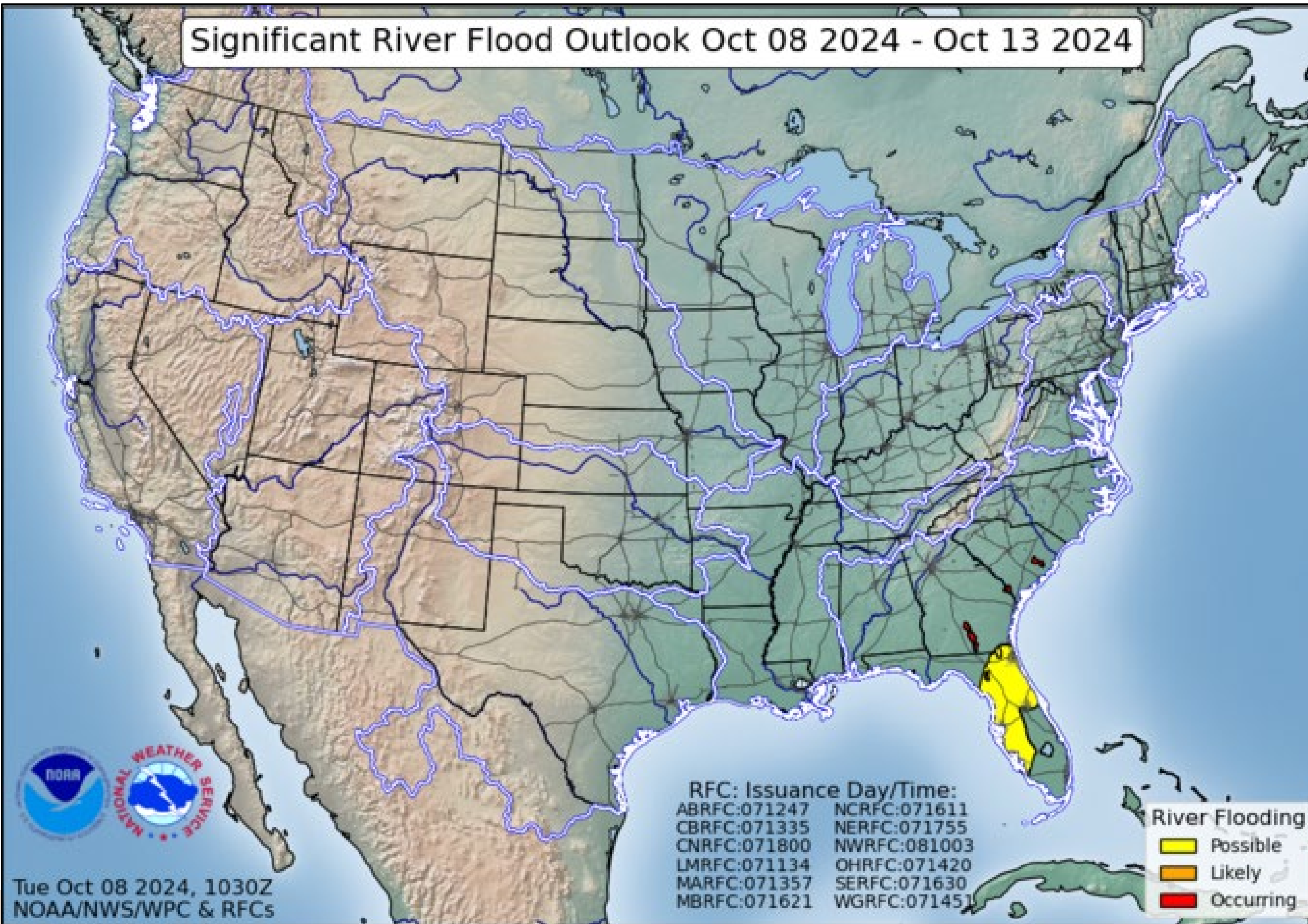
Hurricane Milton



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NWS National Hurricane Center

Significant River Flood Outlook Oct 08 2024 - Oct 13 2024

- **Possible river flooding for west-central and northeast Florida after Milton passes through**





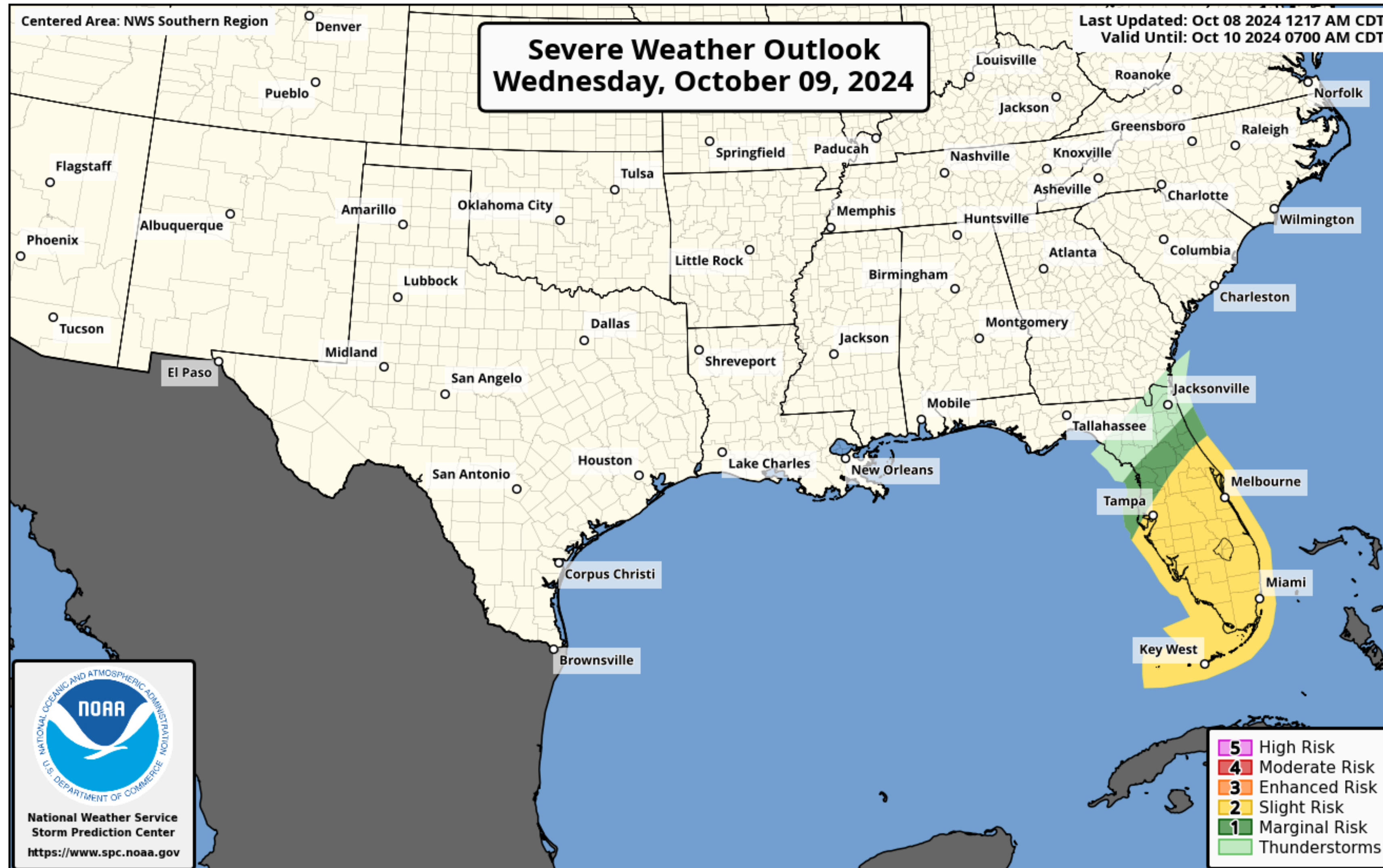
# Tornado Outlook – Day 2

Hurricane Milton

Image from NWS Storm Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**Potential for several  
tornadoes over the  
Florida peninsula on  
Wednesday**



# Key Messages

## Hurricane Milton



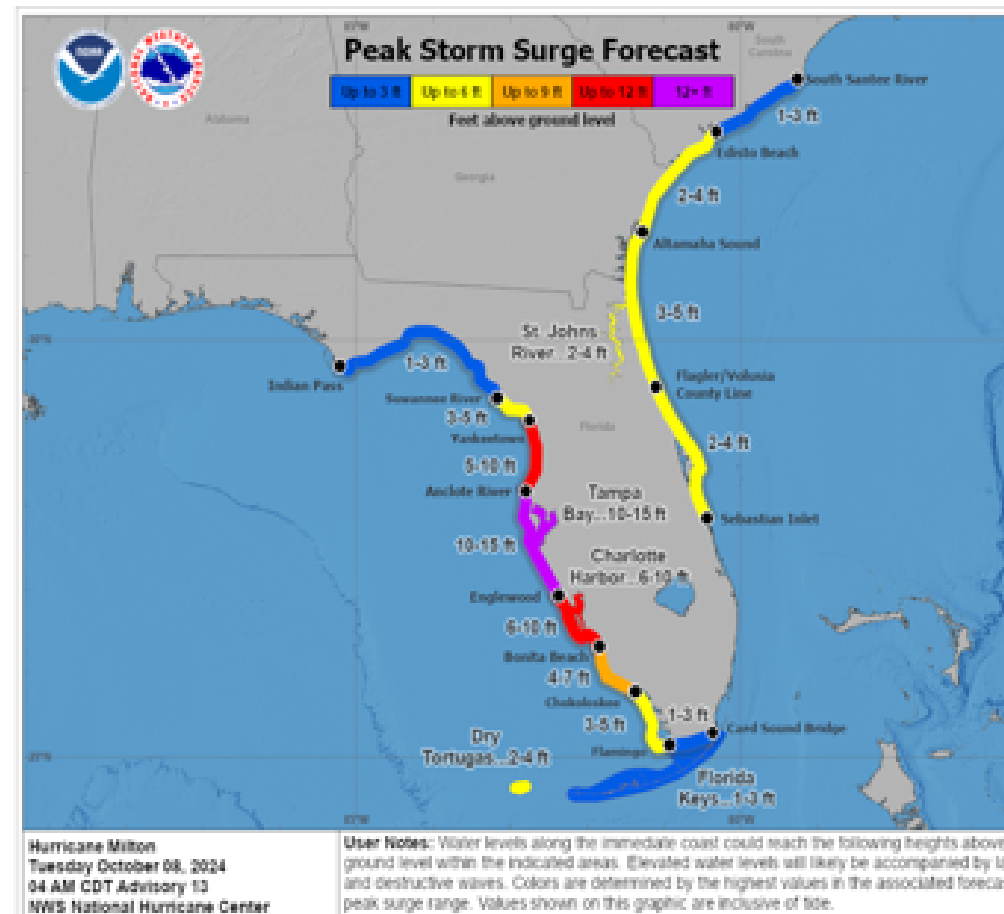
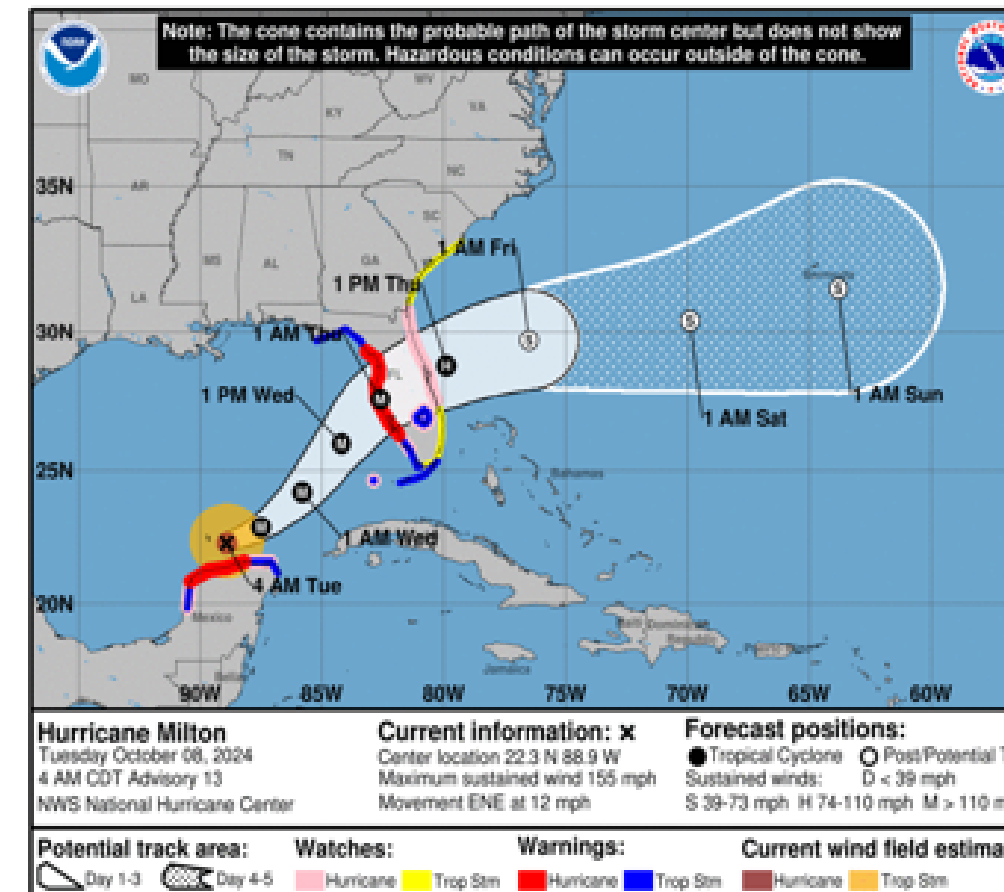
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### Key Messages for Hurricane Milton Advisory 13: 4:00 AM CDT Tue Oct 08, 2024



1. Damaging hurricane-force winds and a life-threatening storm surge with destructive waves are expected across portions of the northern coast of the Yucatan Peninsula today.
2. Milton is expected to grow in size and remain an extremely dangerous hurricane when it approaches the west coast of Florida on Wednesday. A large area of destructive storm surge will occur along parts of the west coast of Florida. This is an extremely life-threatening situation and residents in those areas should follow advice given by local officials and evacuate immediately if told to do so.
3. Devastating hurricane-force winds are expected along portions of the west coast of Florida, where a Hurricane Warning is in effect. Milton is forecast to remain a hurricane as it crosses the Florida Peninsula and life-threatening hurricane-force winds, especially in gusts, are expected to spread inland across the peninsula. Preparations to protect life and property in the warning areas should be complete by tonight.
4. Areas of heavy rainfall will continue to impact portions of Florida well ahead of Milton through early Thursday. This rainfall brings the risk of life-threatening flash, urban and aerial flooding along with moderate to major river flooding. Flooding will be exacerbated in areas where coastal and inland flooding combine to increase the overall threat.



For more information go to [hurricanes.gov](https://hurricanes.gov)

### IMPACTS FOR **D7**

Winds/US Coast – **Extreme**

Winds/SRR – **Extreme**

Waves/US Coastal – **Extreme**

Waves/SRR – **Extreme**

US Storm Surge – **Extreme**

US Rainfall/Flash Flooding – **Extreme**

US Tornadoes – **Moderate**

- **Marine Key Messages:**
- Dangerous seas are expanding across the central and eastern Gulf of Mexico by late today
- Peak seas will recede by Thursday night over the Gulf
- Seas over the Atlantic will rapidly build on Wednesday and continue through Saturday

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



# HURRICANE MILTON BRIEFING

This briefing was prepared by:

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**TIME of NEXT NHC Advisory:**

**11 AM EDT**

*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](http://www.hurricanes.gov)*



NHC\_TAFB

[www.nhc.noaa.gov](http://www.nhc.noaa.gov)