

**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



4:00 PM 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

- **No significant changes to Milton, its forecast, or its impacts this afternoon**



# Situation Overview

## Hurricane Milton



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NWS National Hurricane Center

**...AIR FORCE RESERVE HURRICANE  
HUNTERS FIND THAT MILTON'S  
INTENSITY HAS REBOUNDED...  
...TODAY IS THE LAST FULL DAY FOR  
FLORIDA RESIDENTS TO GET THEIR  
FAMILIES AND HOMES READY AND  
EVACUATE IF TOLD TO DO SO...**

### SUMMARY OF 200 PM EDT INFORMATION

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LOCATION...22.5N 88.2W  
ABOUT 440 NM SW OF TAMPA FL  
MAXIMUM SUSTAINED WINDS...135 KT  
PRESENT MOVEMENT...ENE AT 7 KT

#### SIZE:

64 KT..... 25NE 25SE 25SW 25NW.  
34 KT..... 90NE 80SE 80SW 90NW.  
12 FT SEAS..120NE 75SE 270SW 240NW.  
PEAK SEAS 30 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.

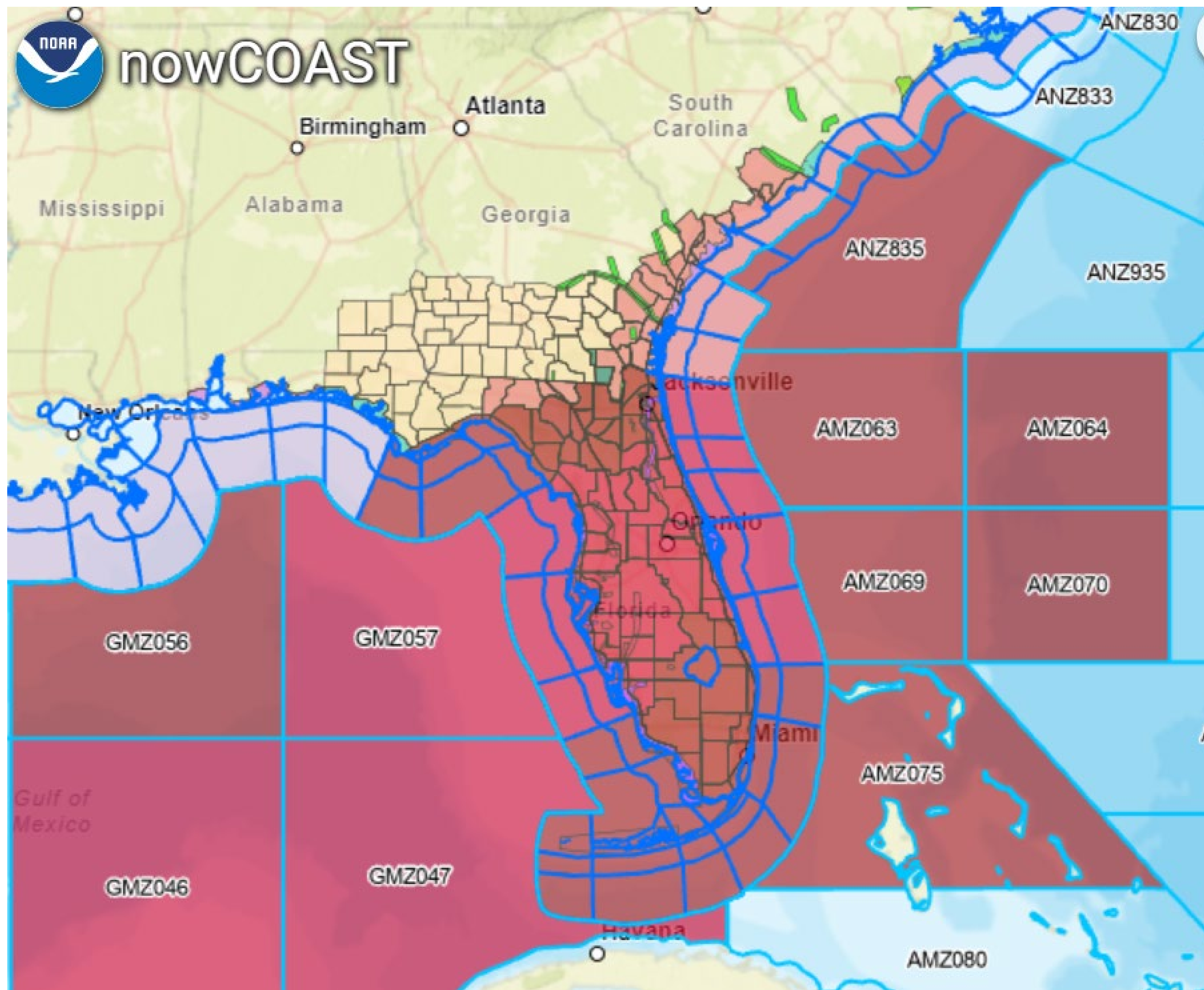
- **Milton will move toward the northeast at about the same speed through Thursday**
  - **The major hurricane will make landfall somewhere between Port Charlotte and Cedar Key Wednesday night as a large Category 3 or 4 hurricane**
  - **After passing over Florida, Milton will accelerate over the Atlantic 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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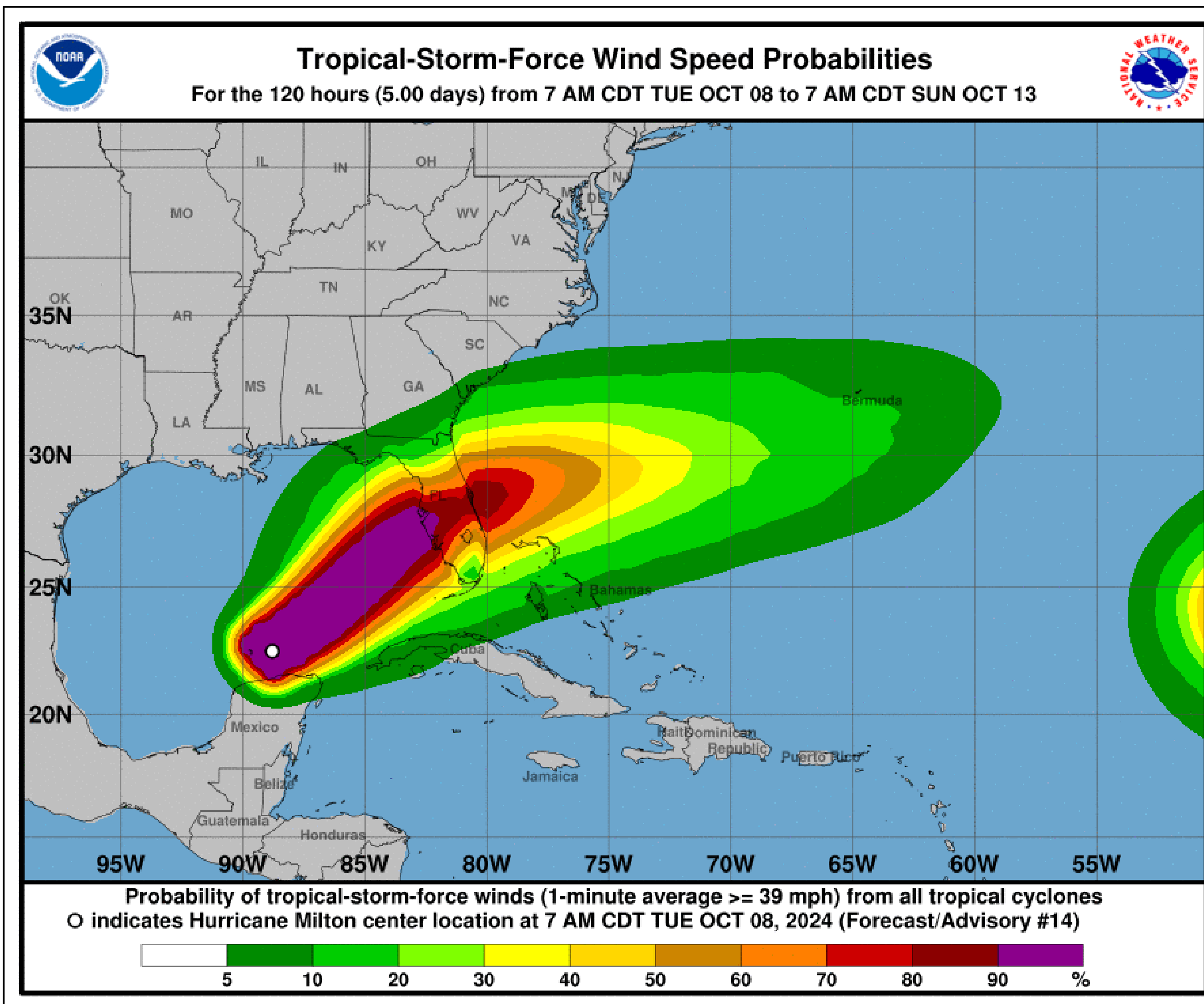


# T.S. Wind Speed Probabilities

## Hurricane Milton



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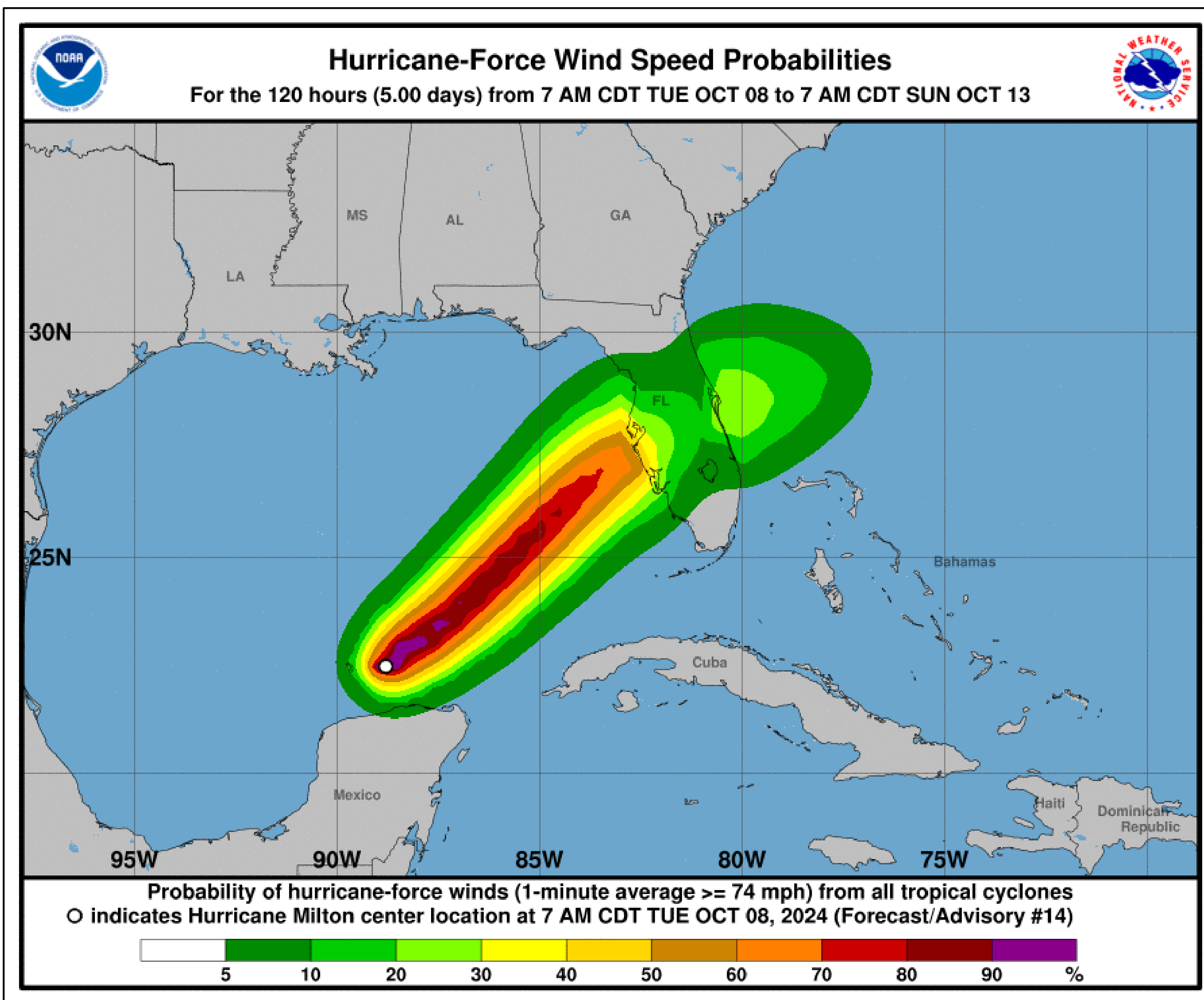
- **Cedar Key – 60%**
  - **Tampa – 95%**
  - **Venice – 95%**
  - **Ft Myers – 70%**
  - **Naples – 75%**
  - **Key West – 30%**
  - **Marathon – 25%**
  - **Kings Bay, GA - 30%**
  - **Mayport – 35%**
  - **Jacksonville – 20%**
  - **Daytona Beach – 55%**
  - **Cocoa Beach – 90%**
  - **Patrick AFB – 80%**
  - **Ft. Pierce – 80%**
  - **W Palm Beach – 60%**
  - **Ft Lauderdale – 45%**
  - **Miami 15%**
- 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



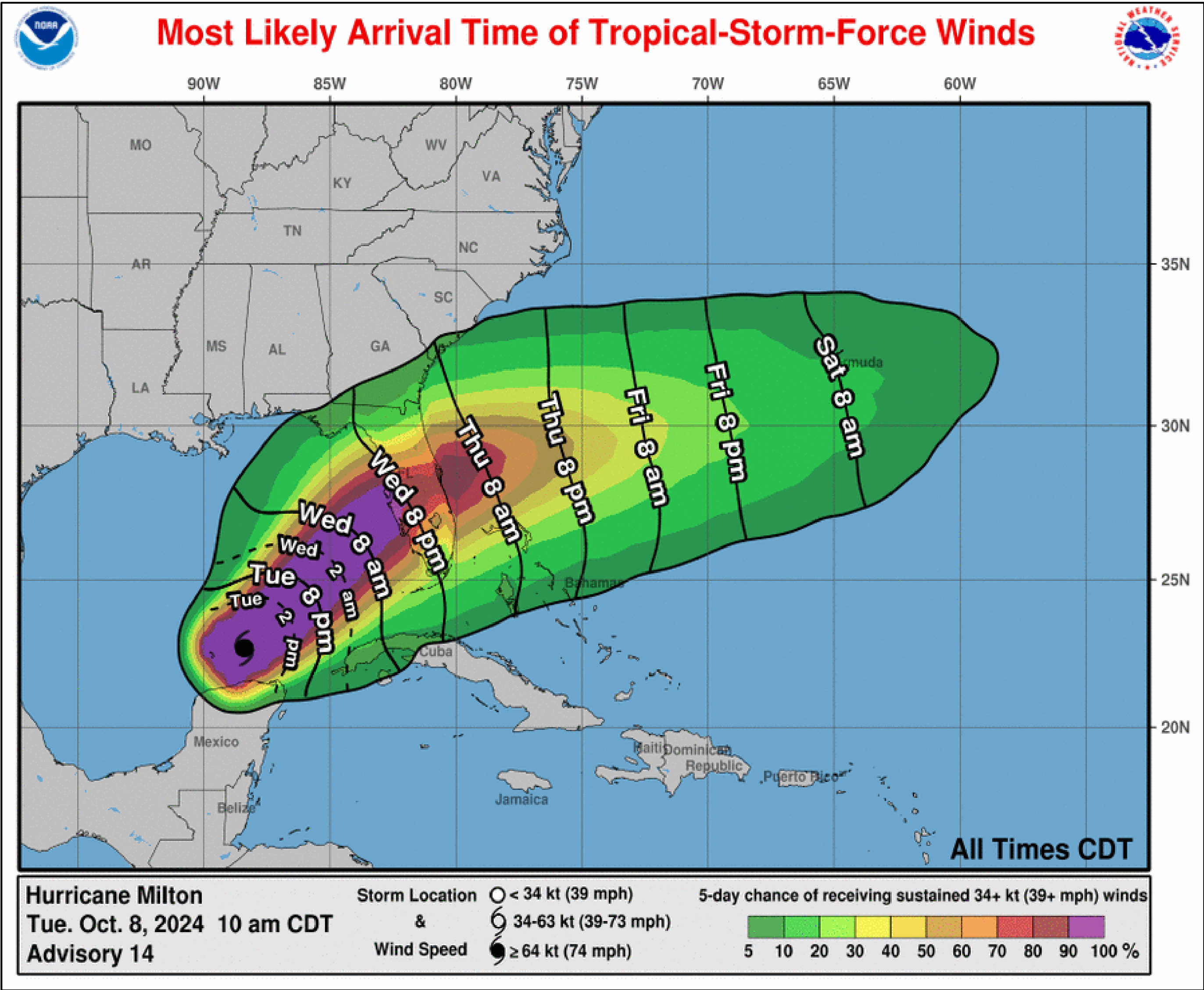
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NWS National Hurricane Center



- Cedar Key – 10%
- Tampa – 45%
- **Venice – 50%**
- Ft. Myers – 10%
- Naples – 10%
- Cocoa Beach – 30%
- Patrick AFB – 30%
- 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 afternoon**
  - **SW Florida – Wednesday night**
  - **NE Florida – Late 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.

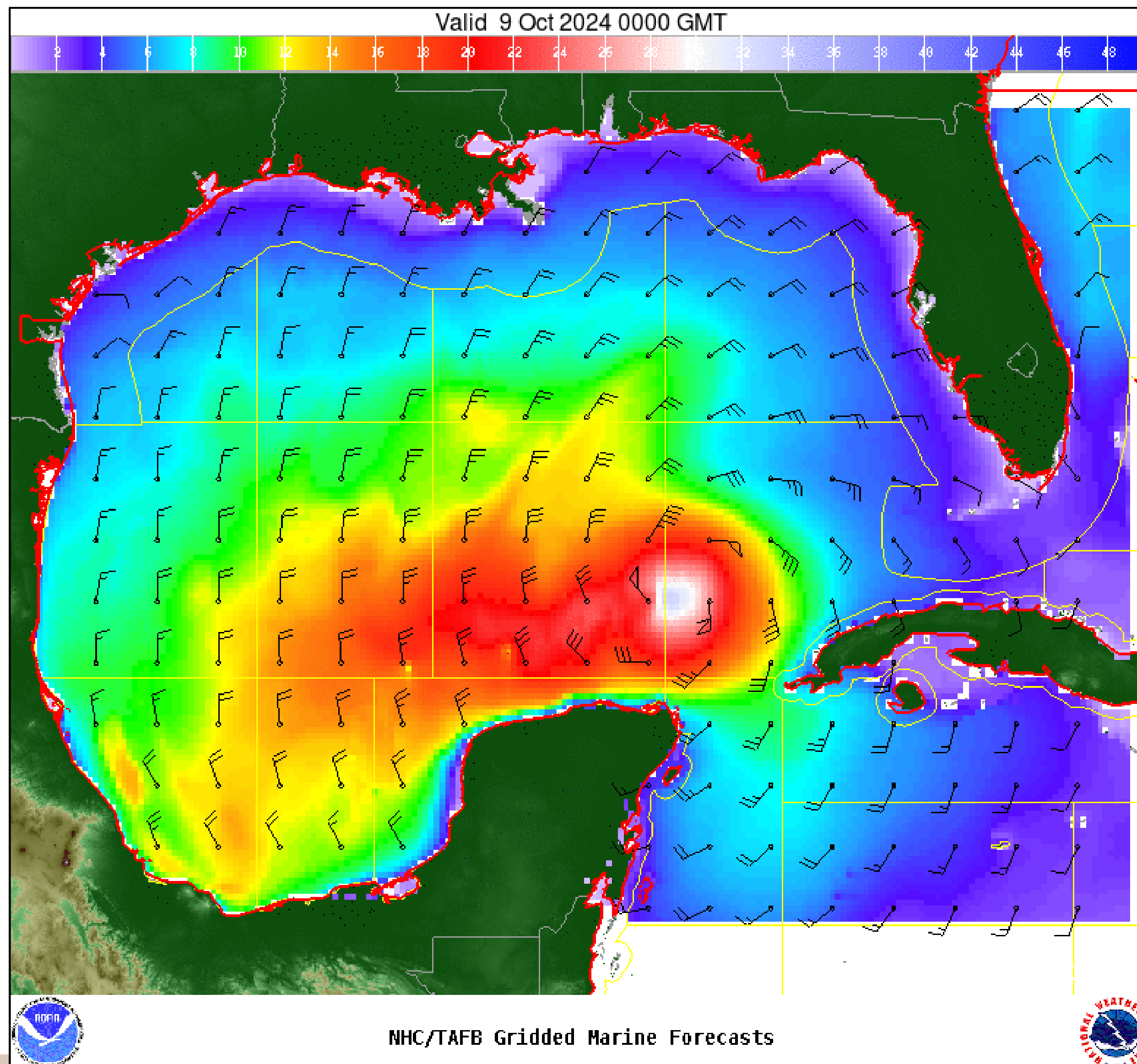


# Wind And Waves

## Hurricane Milton



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8pm EDT tonight, October 8th

Peak Winds: 130 kt

Peak Seas: 37 ft

- Wave heights are in feet



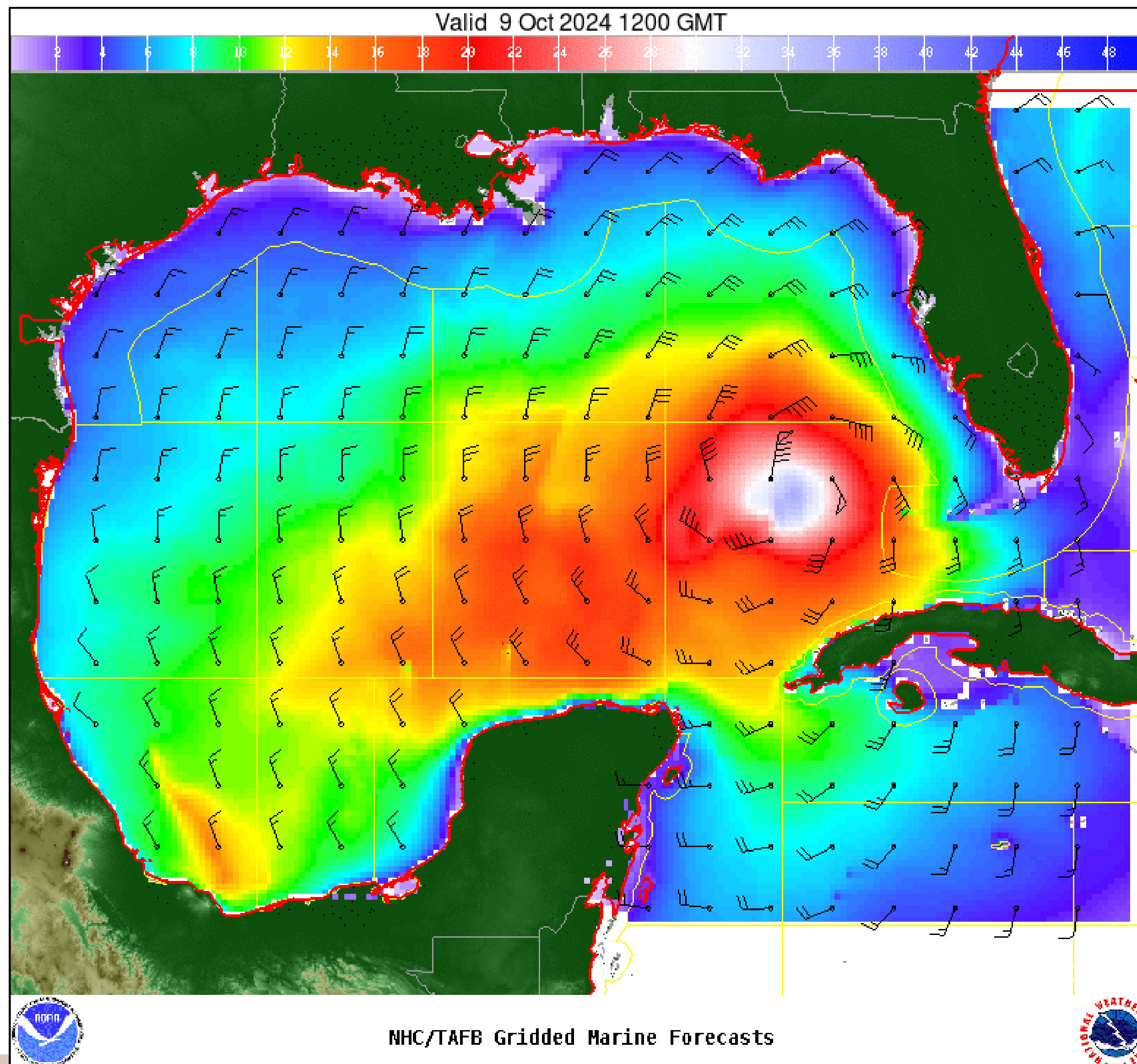
Significant Wave Height (ft)

# Wind And Waves

## Hurricane Milton



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### 18 Hour Forecast

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

Peak Winds: 125 kt

Peak Seas: 40 ft

- Wave heights are in feet



Significant Wave Height (ft)

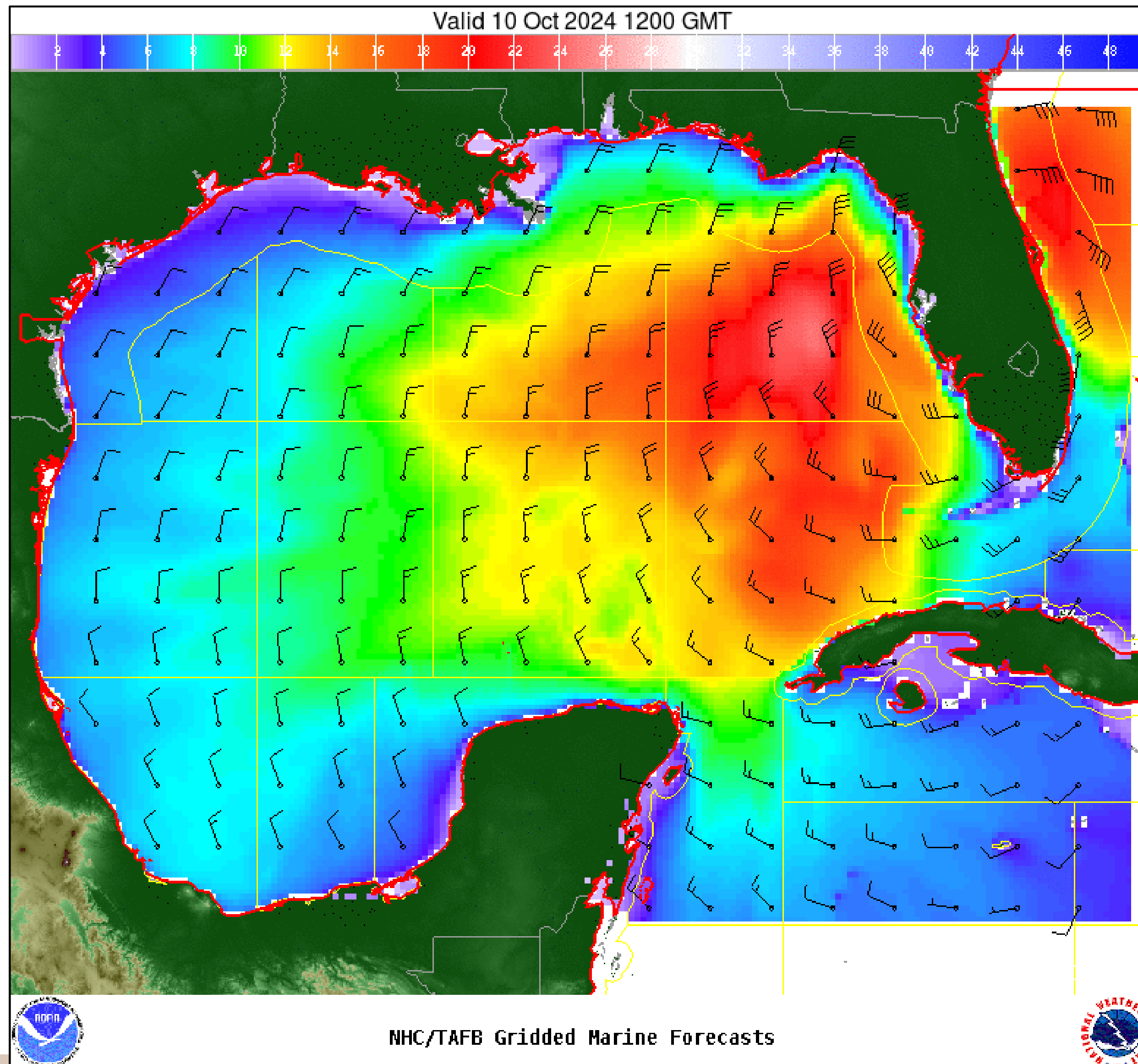


# Wind And Waves

## Hurricane Milton



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## 42 Hour Forecast

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

Peak Winds: 40 kt (Gulf)

Peak Seas: 20 ft (Gulf)

- Wave heights are in feet



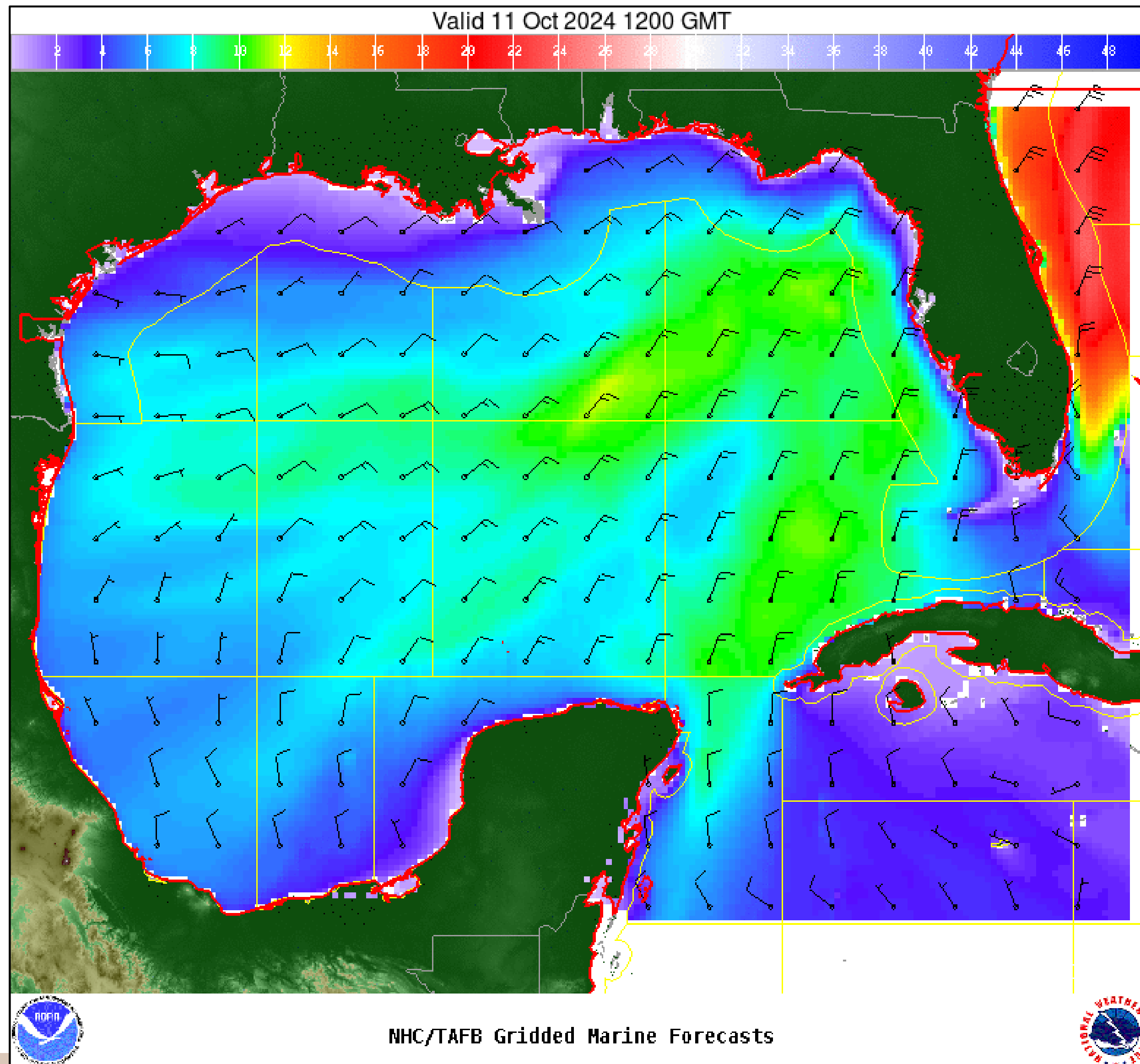
Significant Wave Height (ft)

# Wind And Waves

## Hurricane Milton



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### 66 Hour Forecast

8am EDT Friday, October 11th

Peak Winds: 20 kt (Gulf)

Peak Seas: 10 ft (Gulf)

- Wave heights are in feet



Significant Wave Height (ft)

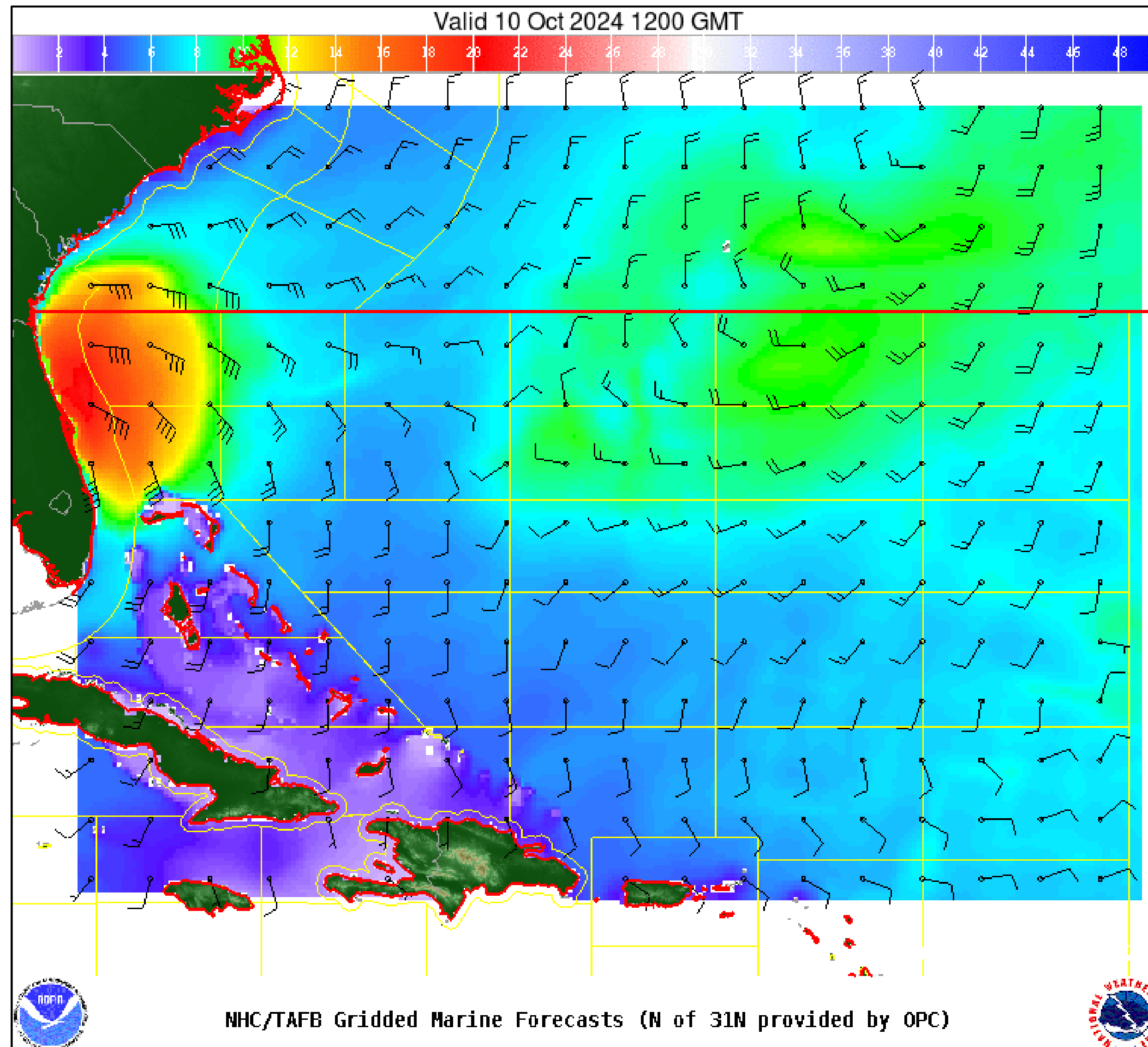


# Wind And Waves

## Hurricane Milton



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## 42 Hour Forecast

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

Peak Winds: 55 kt (Atlantic)

Peak Seas: 20 ft (Atlantic)

- Wave heights are in feet



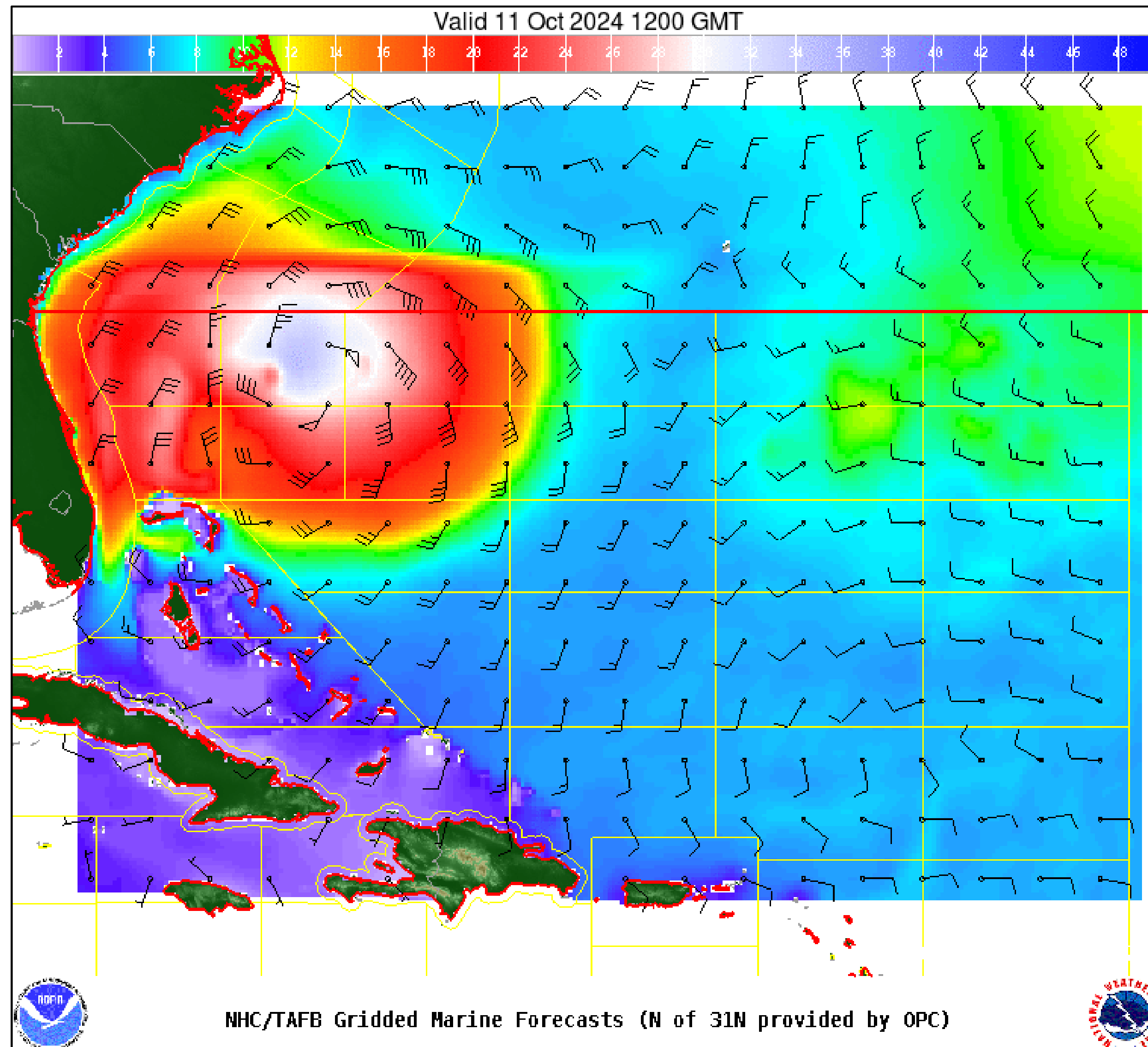
Significant Wave Height (ft)

# Wind And Waves

## Hurricane Milton



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### 66 Hour Forecast

8am EDT Friday, October 11th

Peak Winds: 55 kt (Atlantic)

Peak Seas: 33 ft (Atlantic)

- Wave heights are in feet



Significant Wave Height (ft)

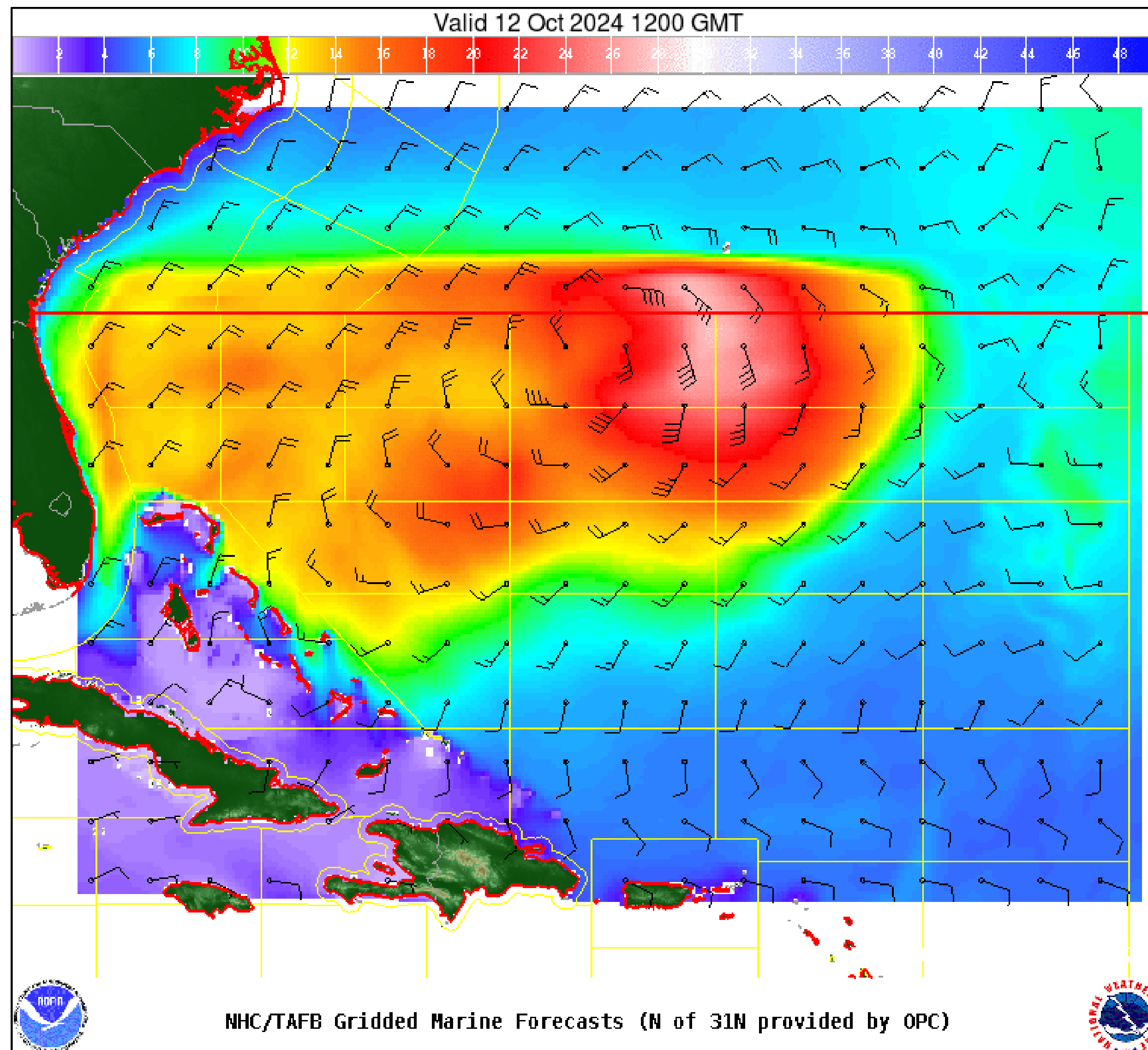


# Wind And Waves

## Hurricane Milton



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## 90 Hour Forecast

8am EDT Saturday, October 12th

Peak Winds: 45 kt (Atlantic)

Peak Seas: 23 ft (Atlantic)

- Wave heights are in feet



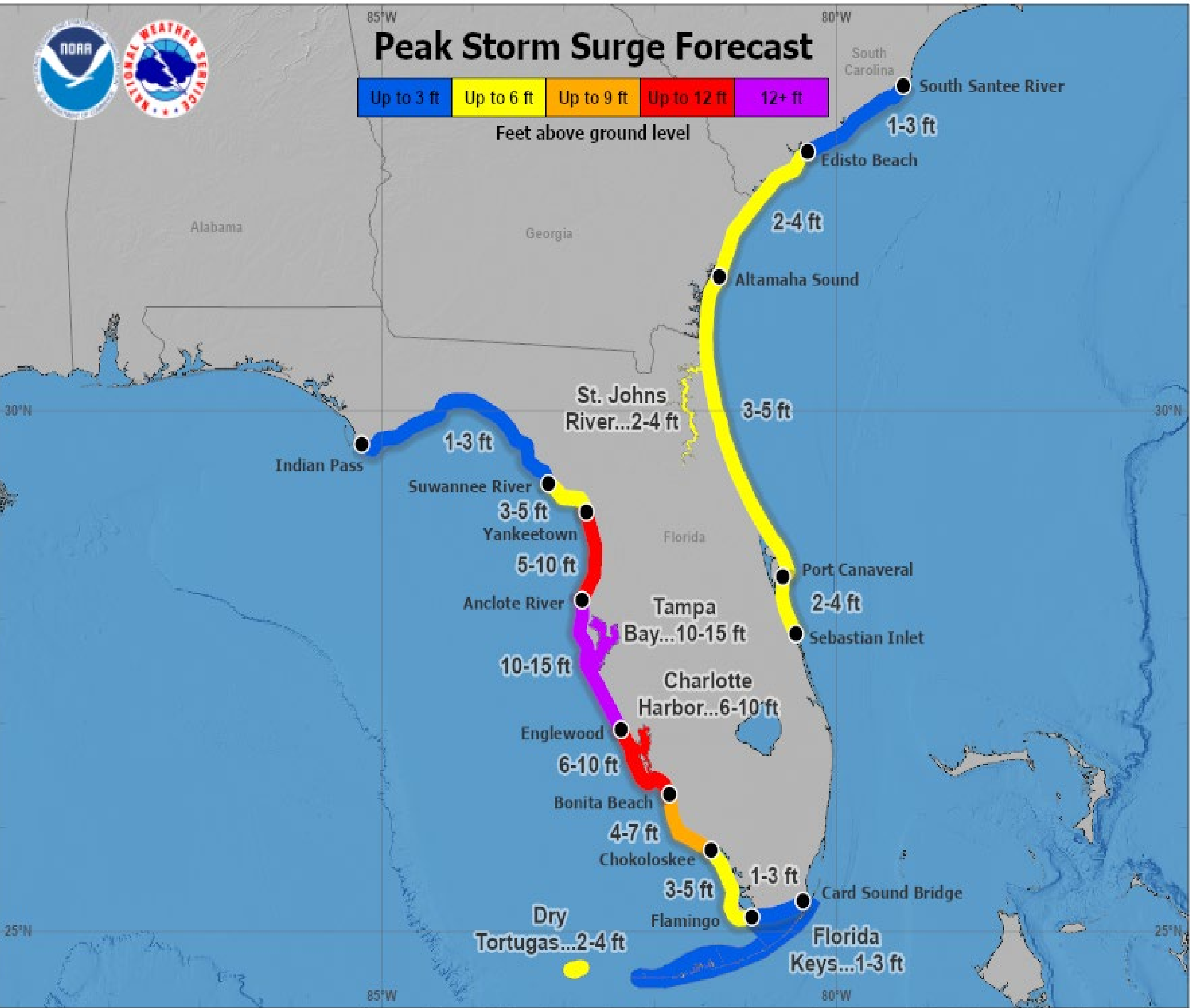
Significant Wave Height (ft)

# Potential Peak Storm Surge / Watches and Warnings



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NWS National Hurricane Center

## Hurricane Milton



Hurricane Milton  
Tuesday October 08, 2024  
10 AM CDT Advisory 14  
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.





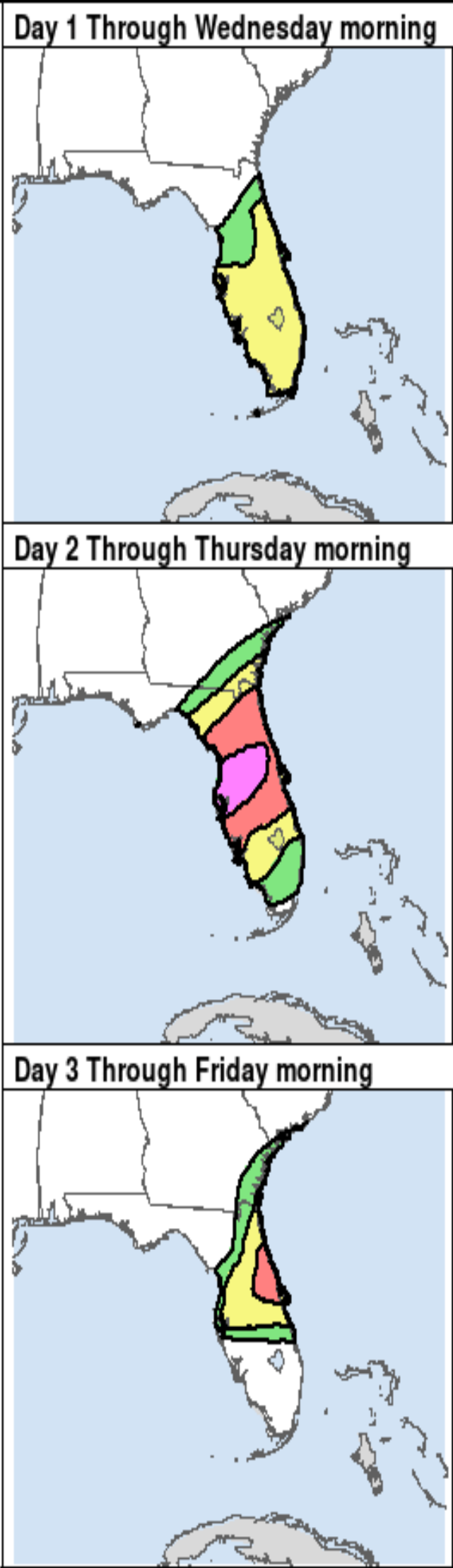
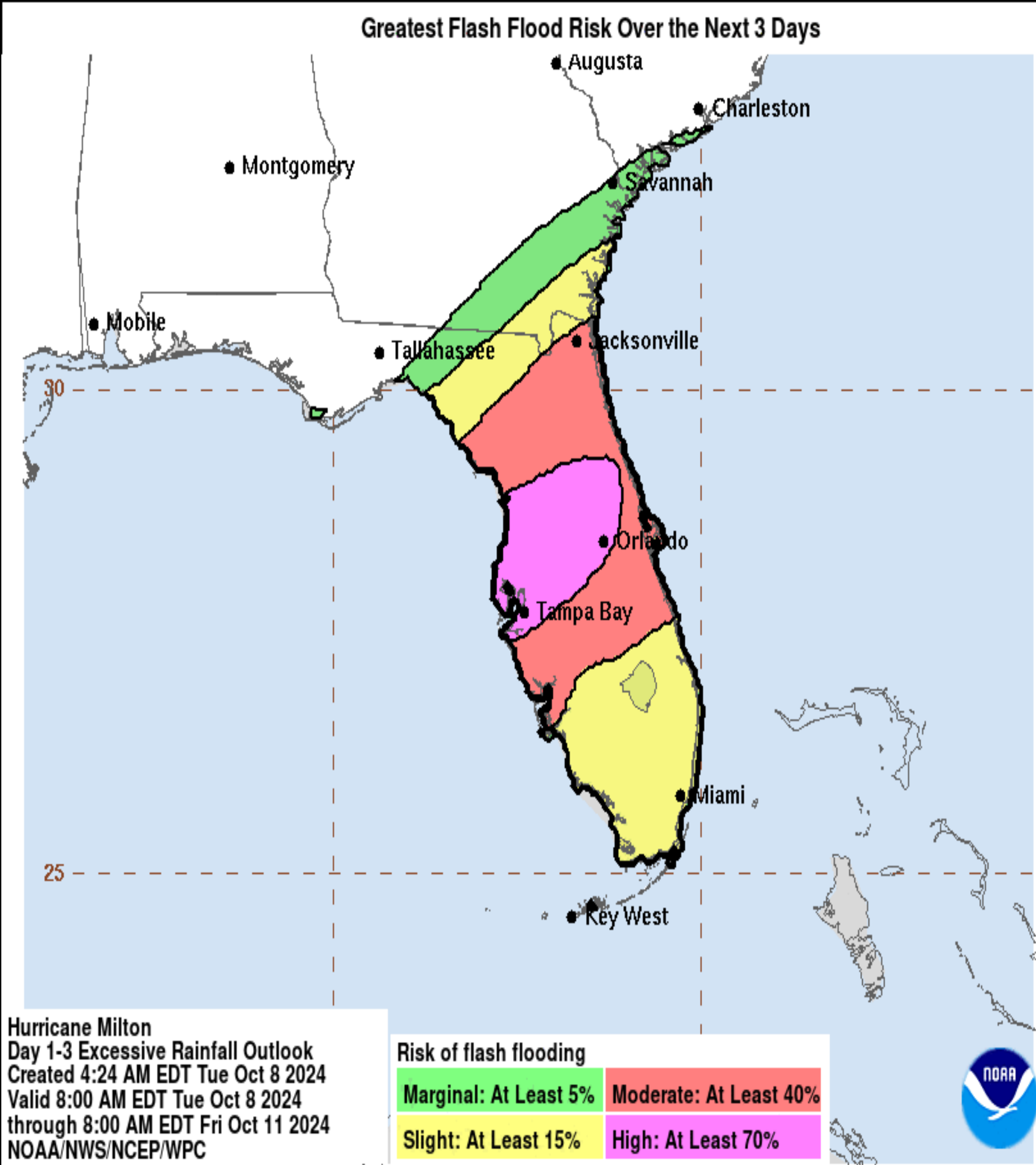
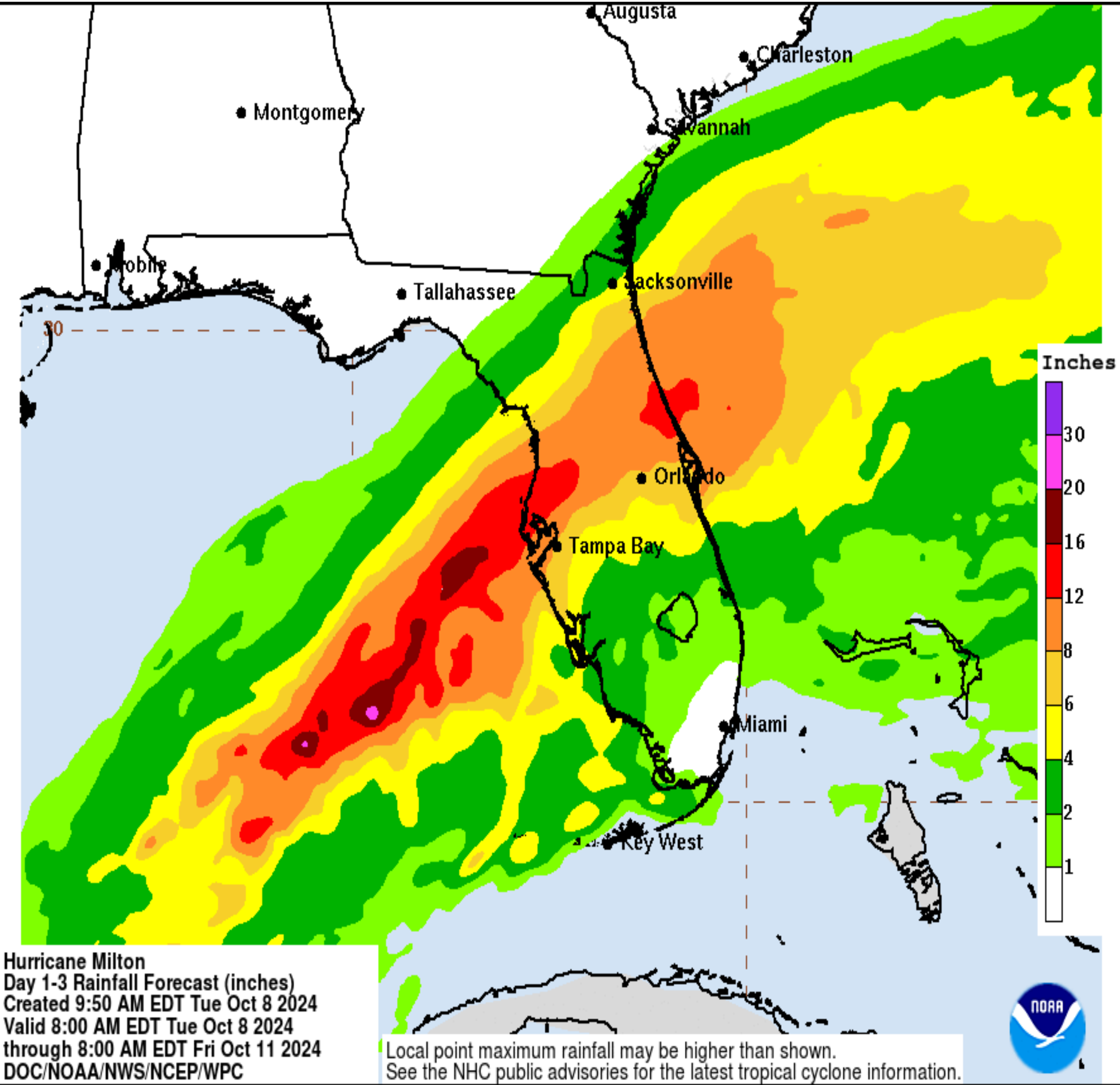
# Expected Storm Total Rainfall and Chance of Rainfall Flooding

Hurricane Milton

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



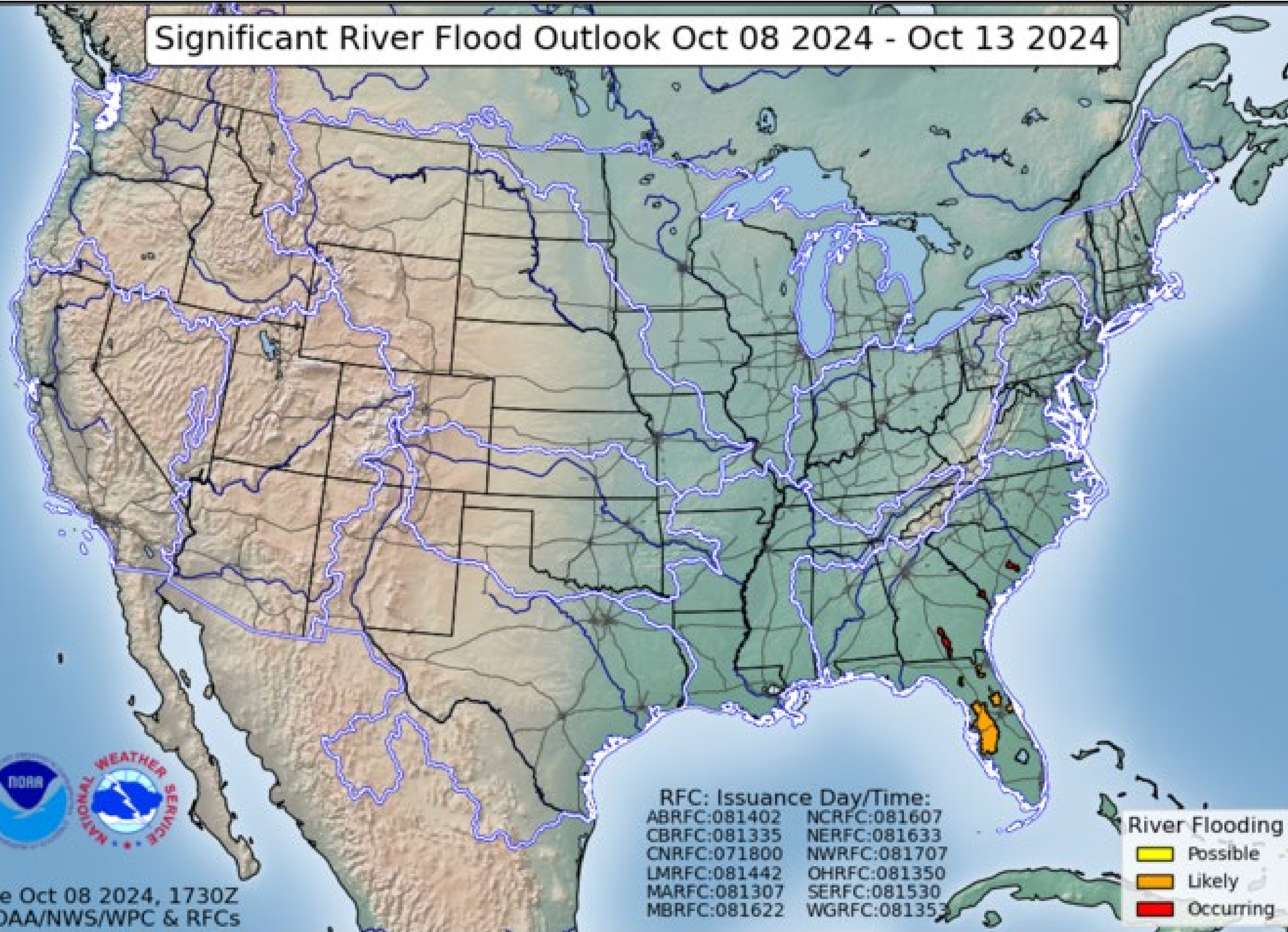
# Flood Outlook

Hurricane Milton



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NWS National Hurricane Center

Significant River Flood Outlook Oct 08 2024 - Oct 13 2024



- **Likely river flooding for central Florida after Milton passes through**



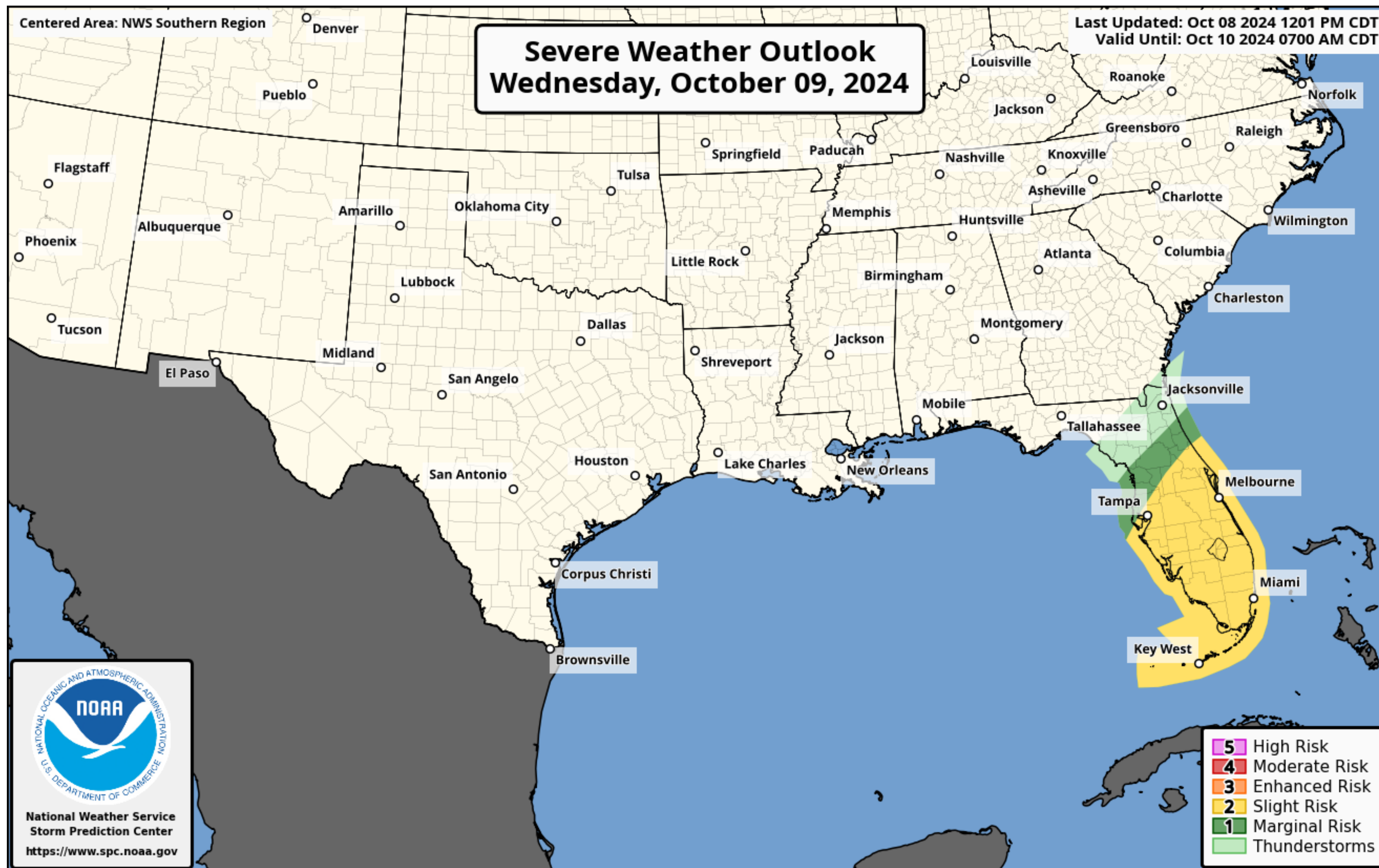
# Tornado Outlook – Day 2

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

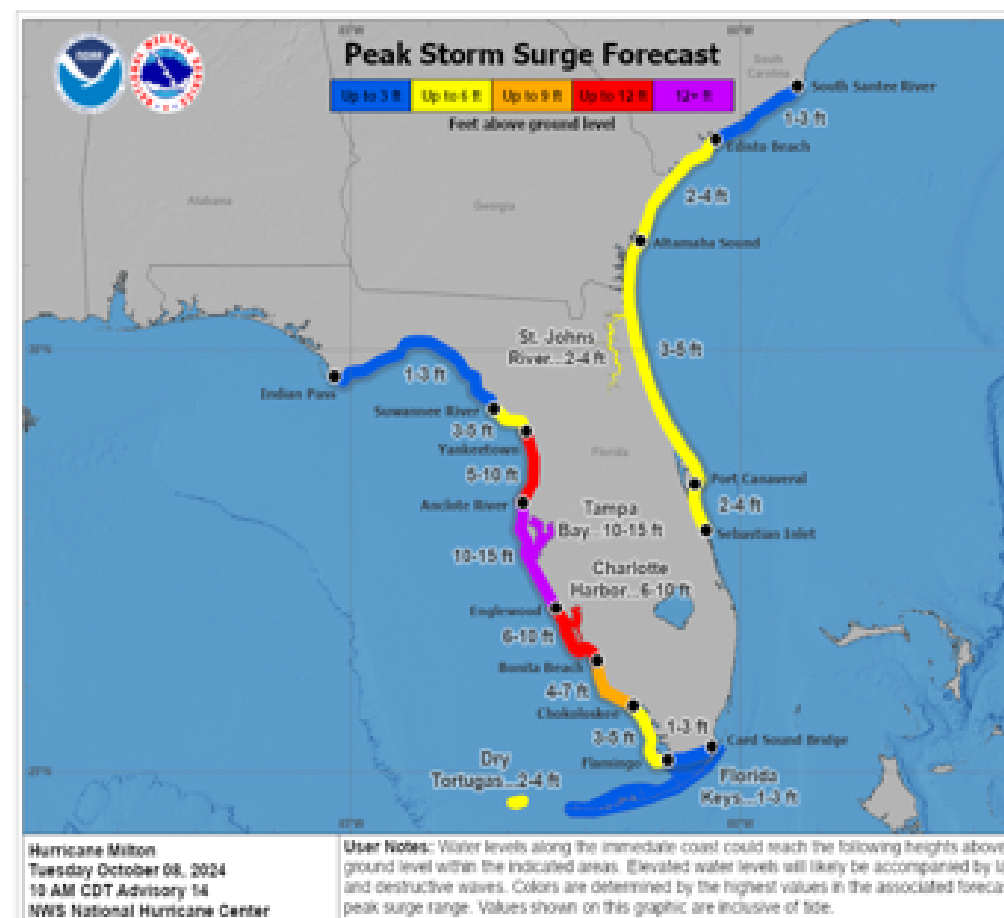
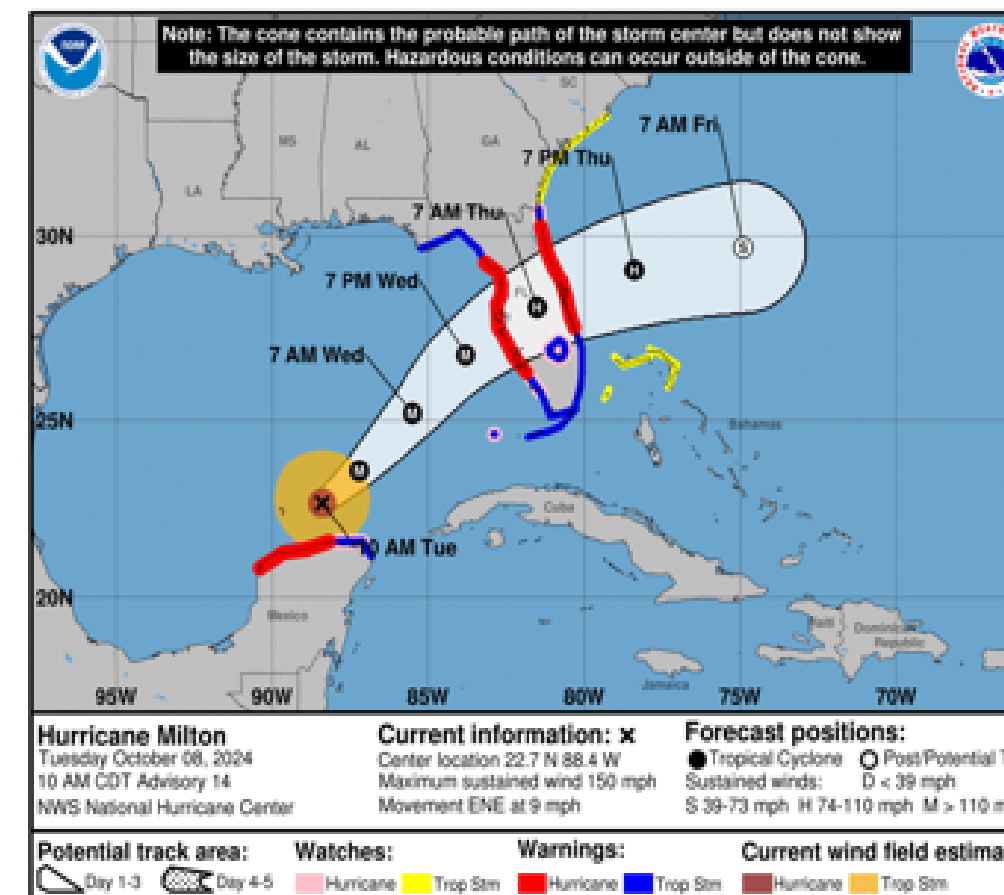


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NWS National Hurricane Center



### Key Messages for Hurricane Milton Advisory 14: 10:00 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. A large area of destructive storm surge, with highest inundations of 10 ft or greater, is expected along a portion of the west-central coast of the Florida Peninsula. If you are in the Storm Surge Warning area, this is an extremely life-threatening situation, and you should evacuate today if ordered by local officials. There will likely not be enough time to wait to leave on Wednesday.
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, and to be ready for long-duration power outages, should be complete by tonight.
4. Heavy rainfall across the Florida Peninsula through Thursday brings the risk of life-threatening flash and urban flooding along with moderate to major river flooding, especially in areas where coastal and inland flooding combine to increase the overall flood threat.



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



# HURRICANE MILTON BRIEFING

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**TIME of NEXT NHC Advisory:**

**5 PM EDT**

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



NHC\_TAFB

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