

**IMPACTS FOR D8**

**Winds/US Coast – Extreme**

**Winds/SRR – Extreme**

**Waves/US Coastal – Extreme**

**Waves/SRR – Extreme**

through next 4 days

**US Storm Surge – Extreme**

**US Rainfall/Flash Flooding – High**

**US Tornadoes – Medium**

# HURRICANE MILTON BRIEFING



11:00 AM CDT  
Monday, October 7, 2024

Prepared by:

**Nelsie Ramos**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



NHC\_TAFB

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

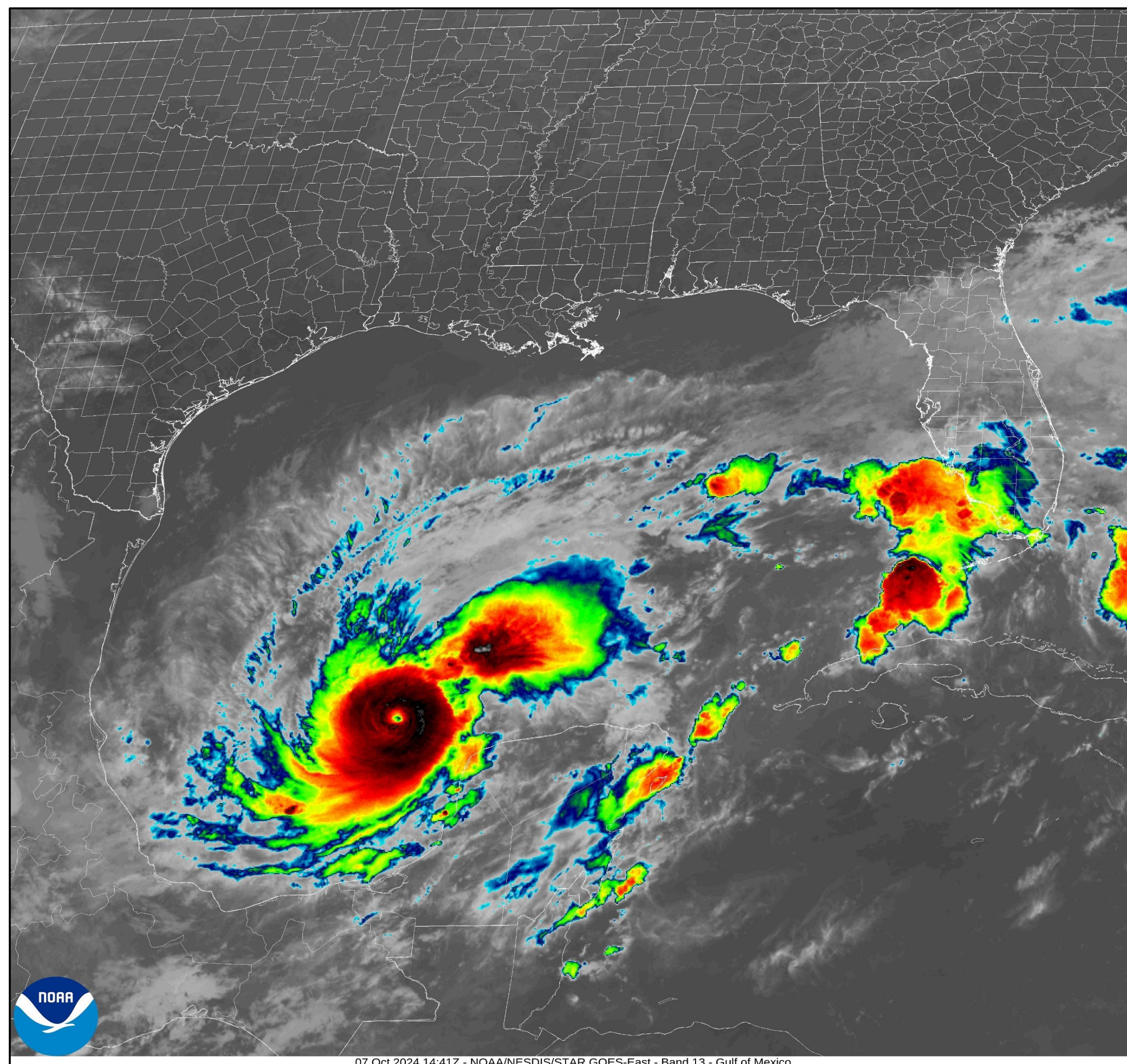


# Current Satellite View

Hurricane Milton



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**...MILTON CONTINUING TO RAPIDLY  
INTENSIFY..FORECAST TO BECOME A  
CATEGORY 5 HURRICANE...**

## SUMMARY OF 1000 AM CDT

-----  
LOCATION...21.7N 91.7W  
ABOUT 115 NMI WNW OF PROGRESO  
MEXICO  
ABOUT 625 NMI... SW OF TAMPA, FL  
MAXIMUM SUSTAINED WINDS...135 KT  
PRESENT MOVEMENT...ESE AT 8 KT

SIZE:  
64 KT..... 20NE 25SE 25SW 20NW.  
34 KT..... 70NE 70SE 70SW 70NW.  
12 FT SEAS..120NE 120SE 210SW 90NW.  
PEAK SEAS 32 ft

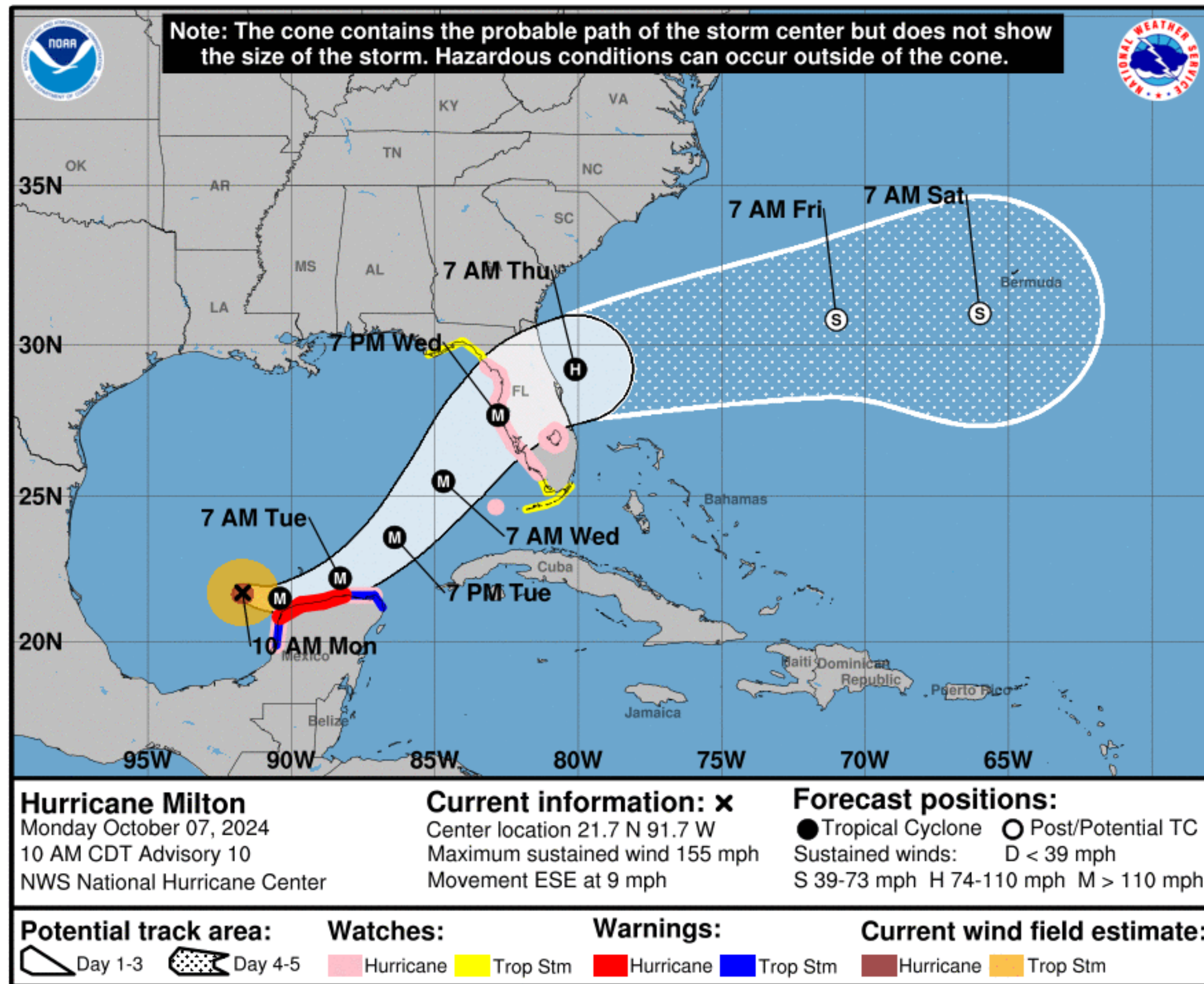


# Forecast Information

## Hurricane Milton



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**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 NE by Tuesday night and gradually accelerate**
  - **Milton is a Category 4 hurricane and is expected to further intensify and reach Category 5 over the open Gulf later today**
  - **Landfall as a large Category 4 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.

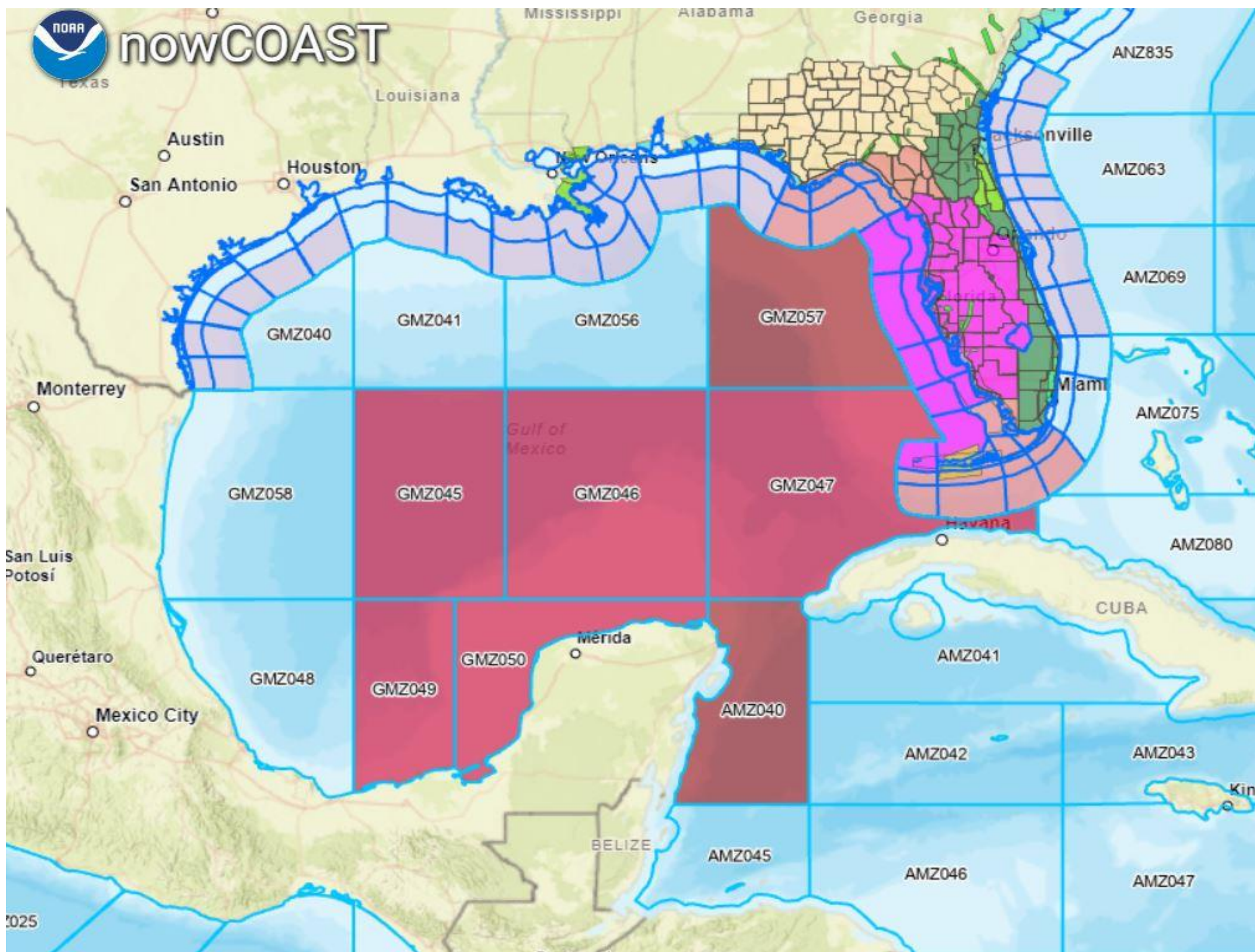


# Hazards Map

## Hurricane Milton



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Tropical Cyclone Statement (238)
- Tropical Storm Watch (37)
- Hurricane Watch (50)
- Storm Surge Watch (5)
- Gale Warning (19)
- Excessive Heat Warning (66)
- Flood Warning (31)
- Tropical Storm Warning (4)
- Special Marine Warning (3)
- Hurricane Warning (10)

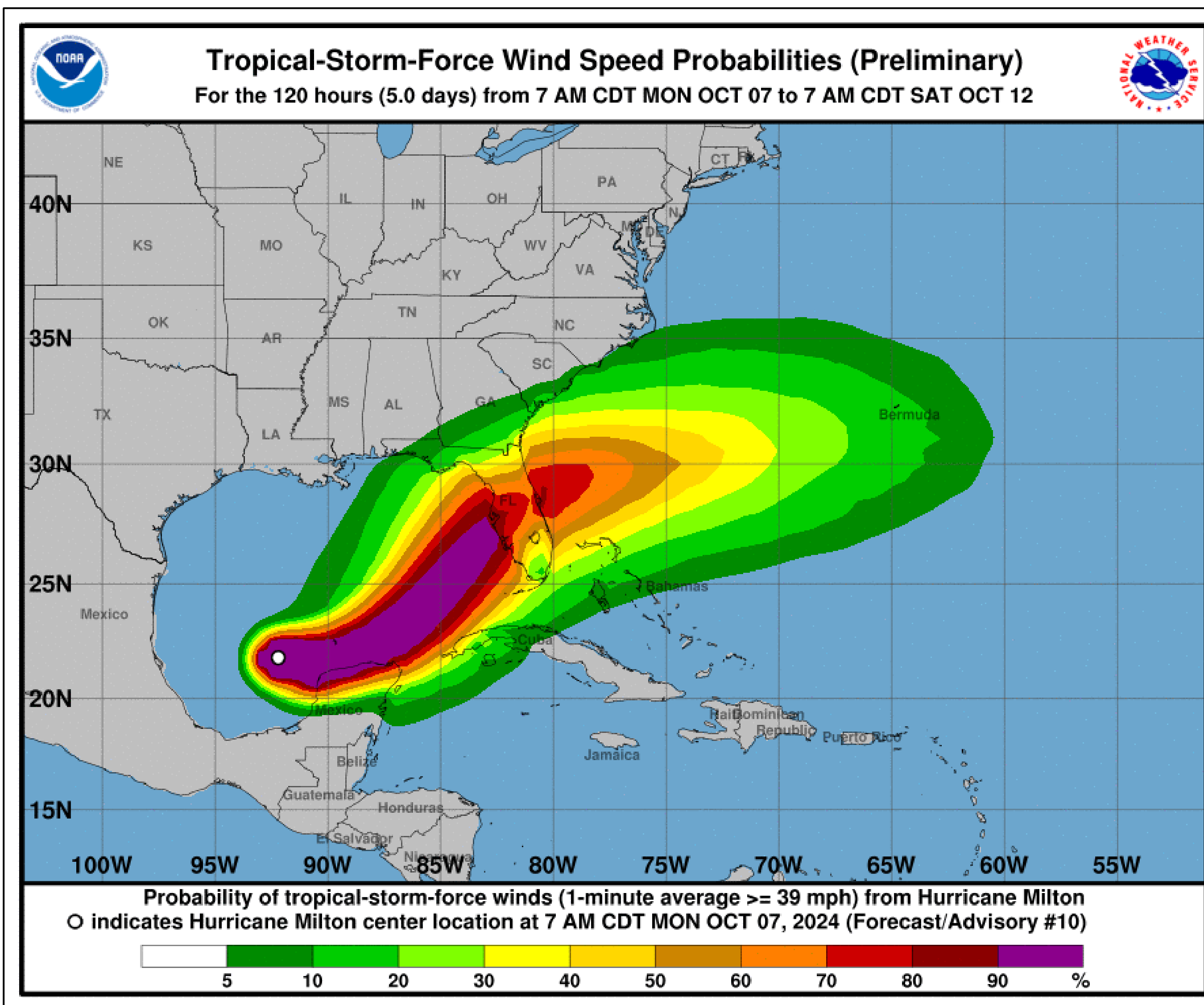


# T.S. Wind Speed Probabilities

## Hurricane Milton



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



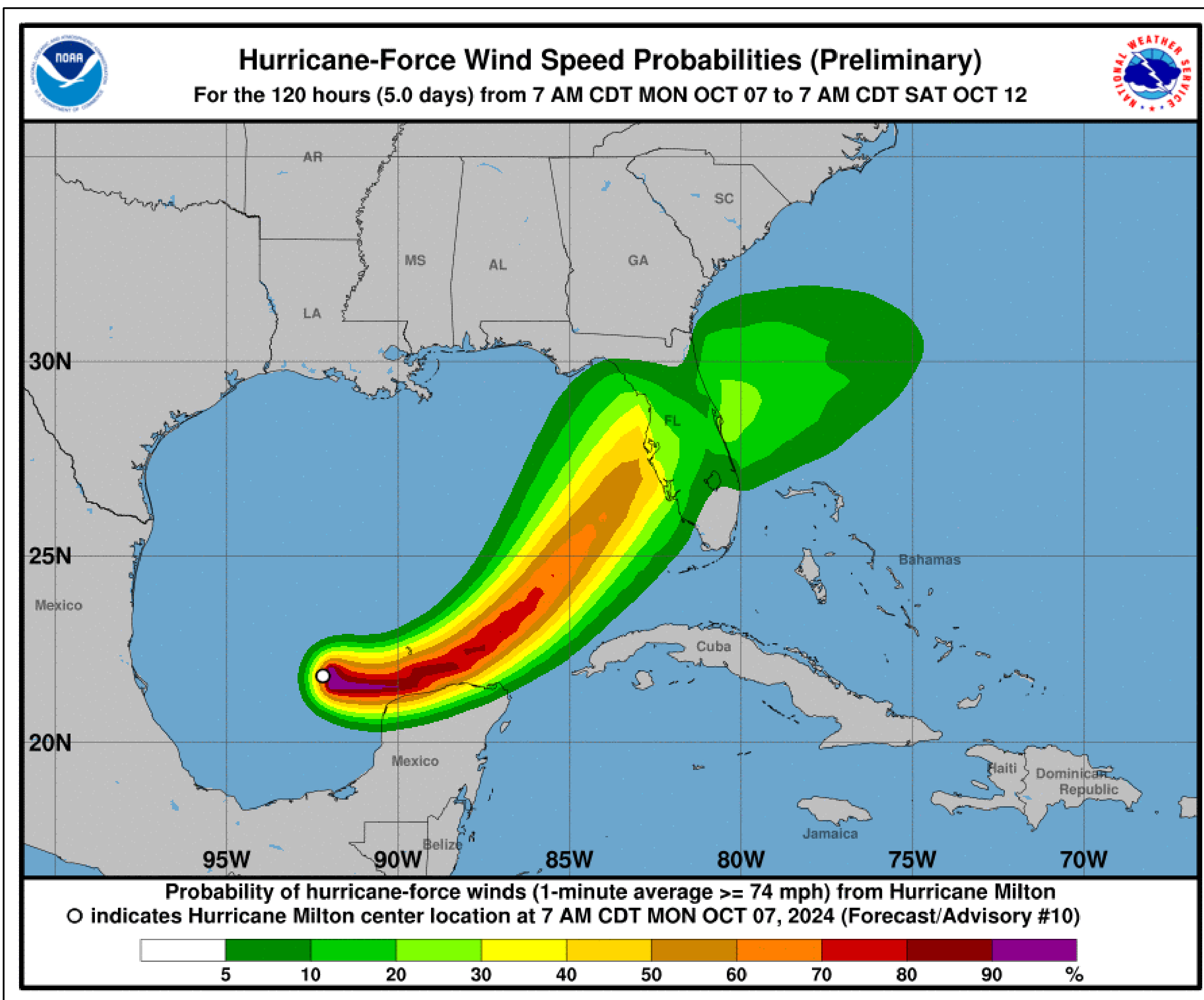
- Cedar Key – 70%
  - Tampa – 90%
  - Venice – 90%
  - Ft Myers – 65%
  - Naples – 75%
  - Key West – 45%
  - Marathon – 35%
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
  - Clear or dark green are the lowest 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



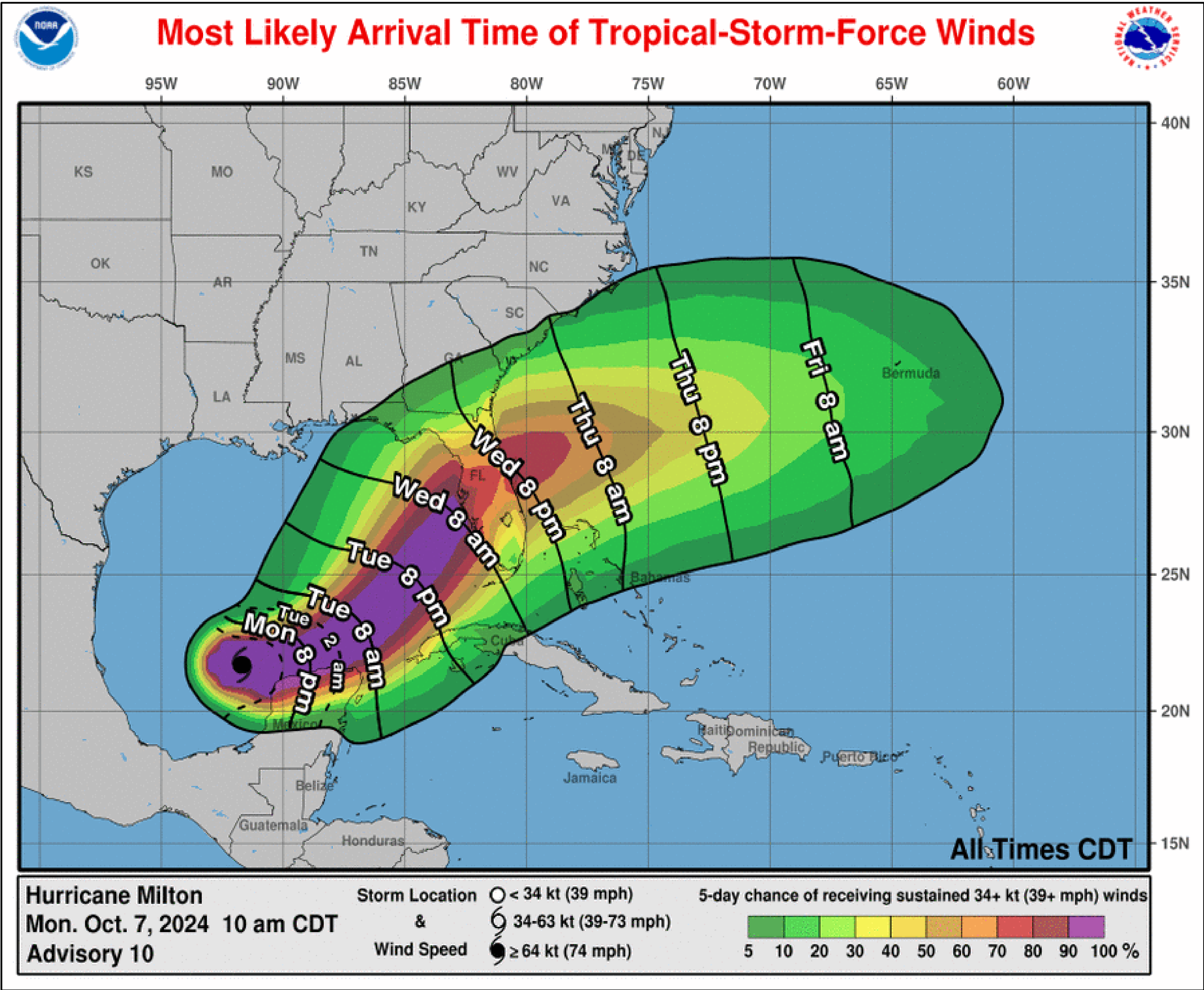
Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Cedar Key – 25%
- Tampa – 45%
- Venice – 45%
- Ft. Myers – 15%
- Naples – 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



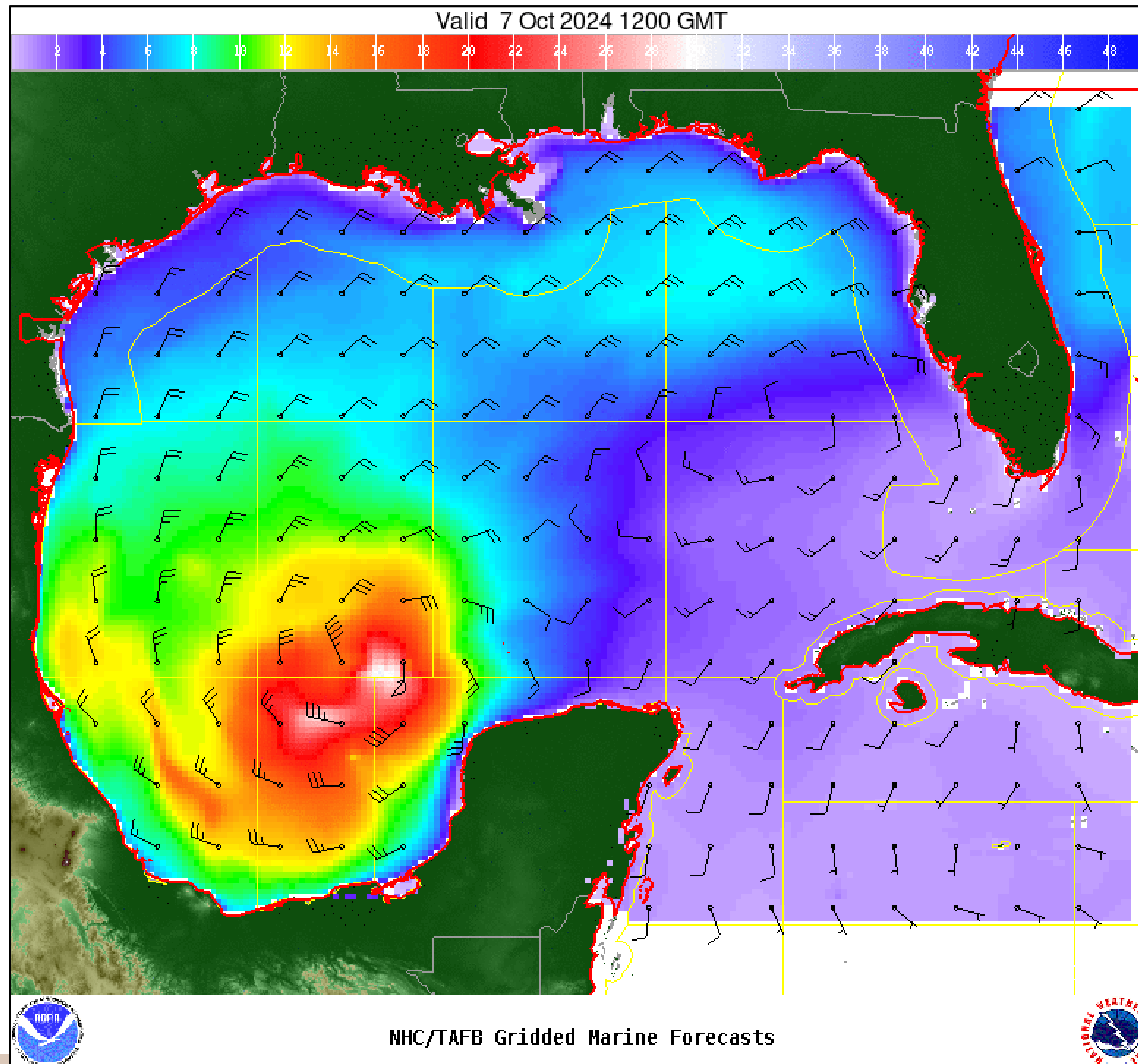
- **W Florida – Wednesday morning**
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities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

# Wind And Waves

## Hurricane Milton



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Current conditions

7 am CDT Monday October 7th

Peak Winds: 135 kt

Peak Seas: 30 ft

■ Wave heights are in feet



Significant Wave Height (ft)

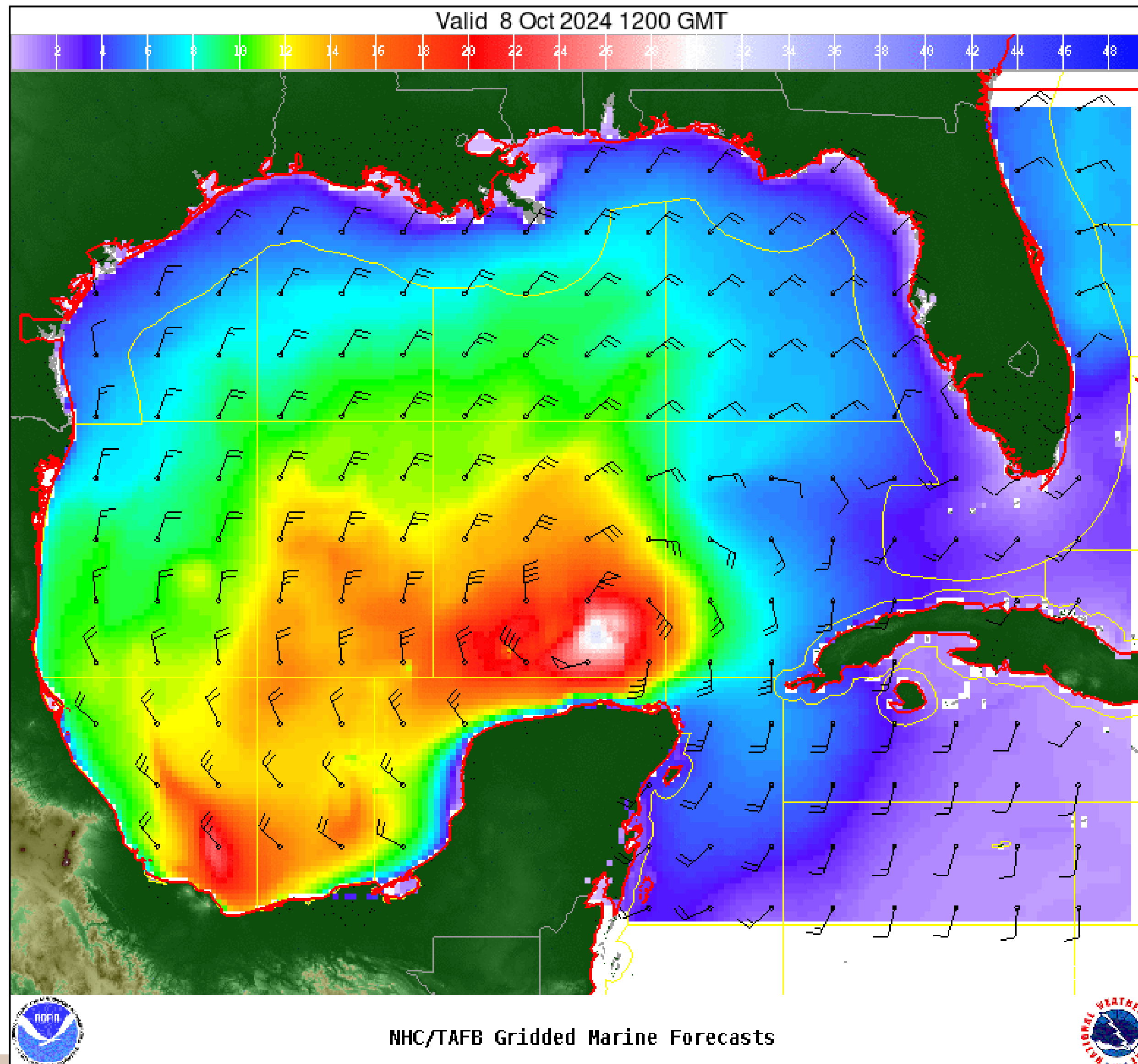


# Wind And Waves

## Hurricane Milton



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## 24 Hour Forecast

7 am CDT Tuesday, October 8<sup>th</sup>

Peak Winds: 140 kt

Peak Seas: 34 ft

- Wave heights are in feet



Significant Wave Height (ft)

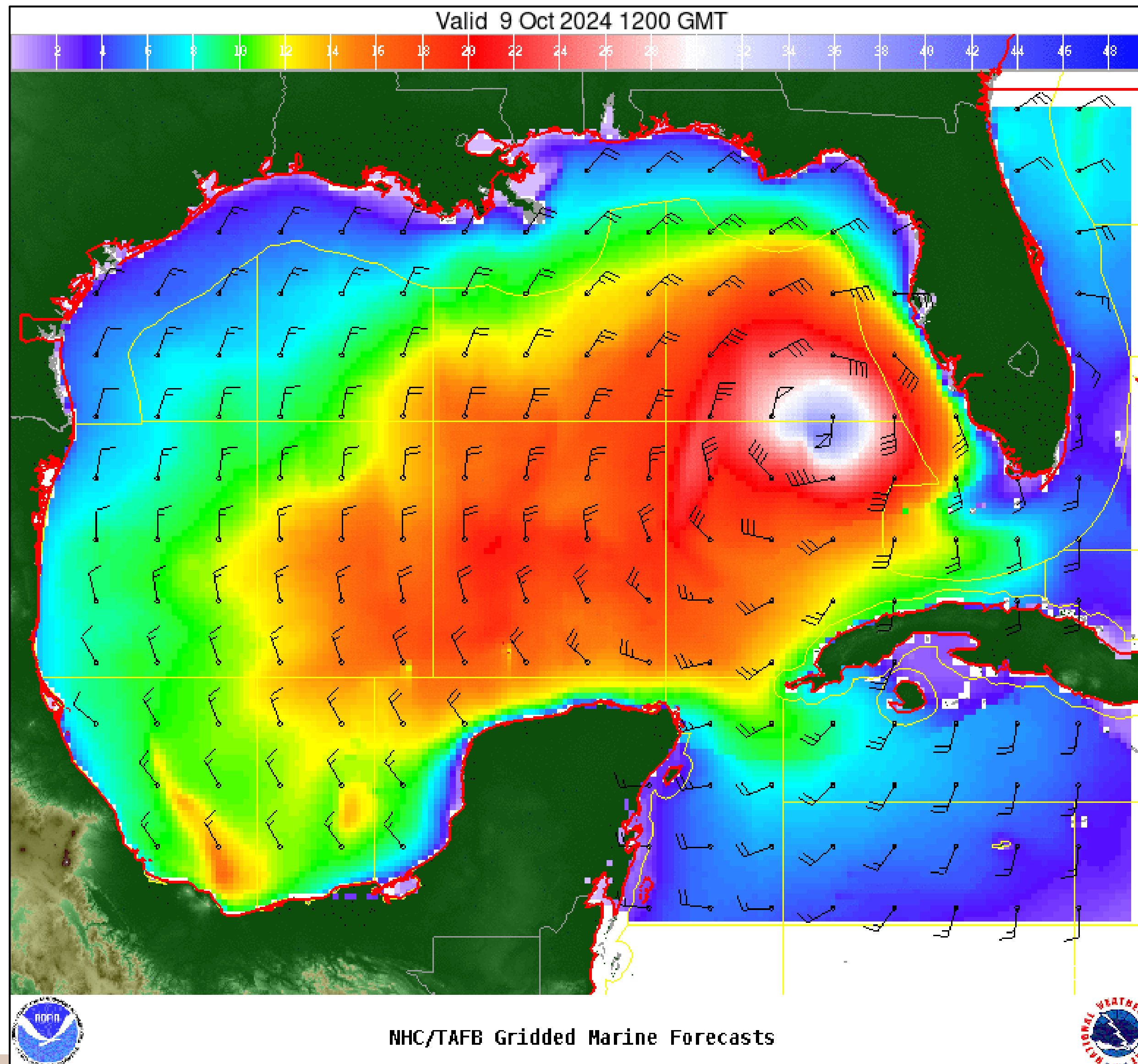


# Wind And Waves

## Hurricane Milton



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



### 48 Hour Forecast

7 am CDT Wednesday, October 9th

Peak Winds: 125 ft

Peak Seas: 32 ft

- Wave heights are in feet



Significant Wave Height (ft)

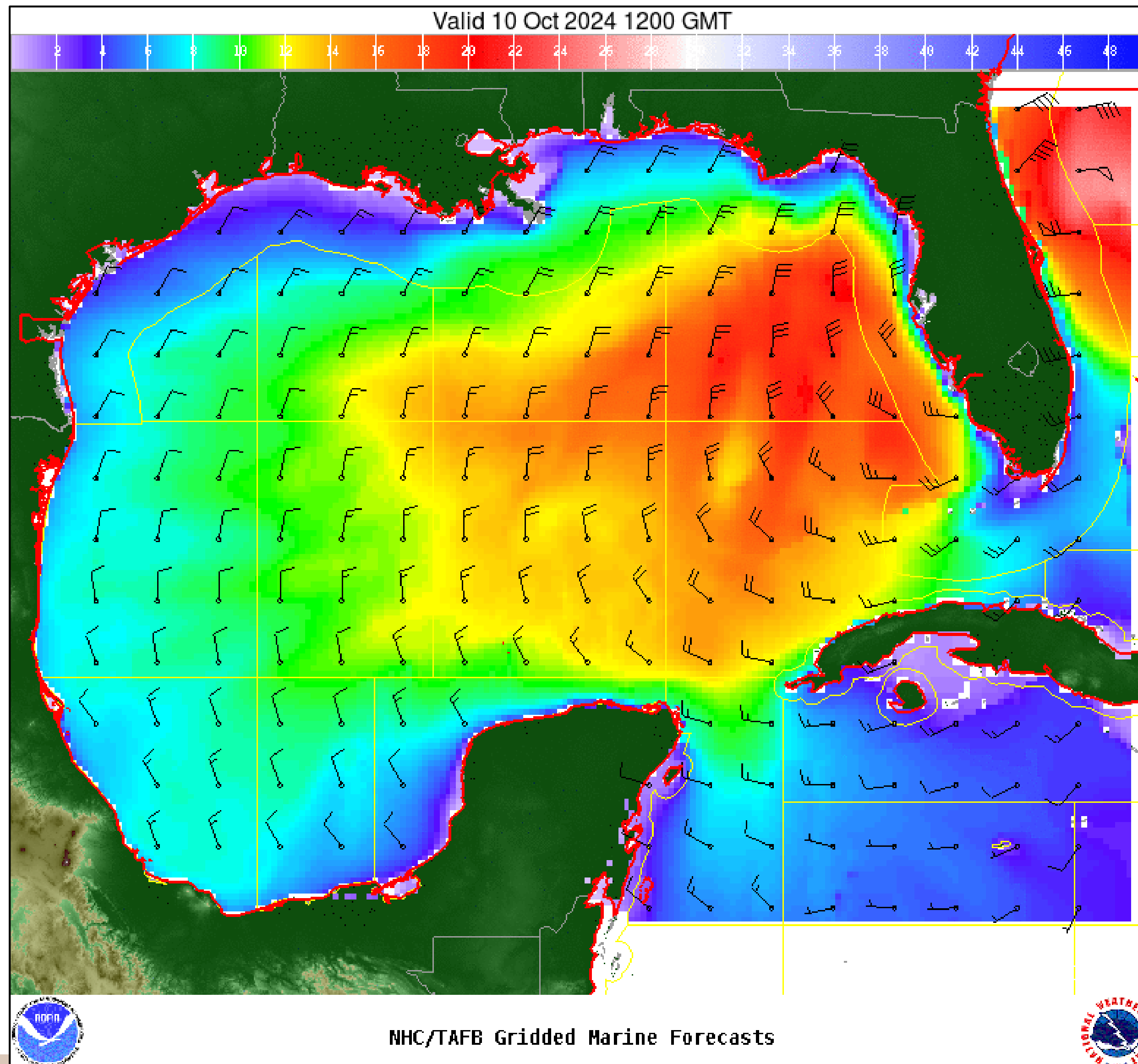


# Wind And Waves

## Hurricane Milton



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## 72 Hour Forecast

7 am CDT Thursday October 10th

Peak Winds: 80 kt

Peak Seas: 23 ft

■ Wave heights are in feet



Significant Wave Height (ft)

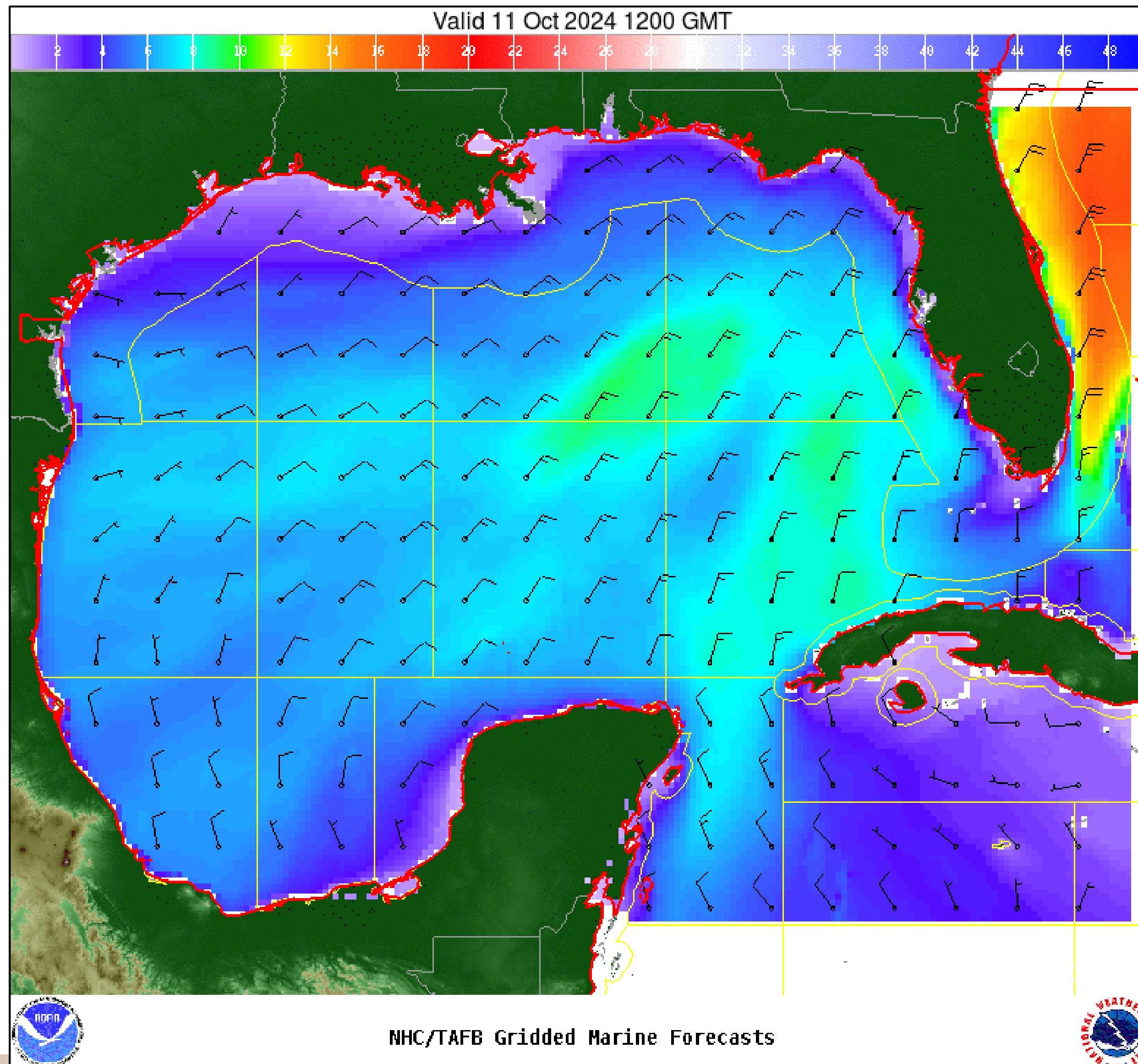


# Wind And Waves

## Hurricane Milton



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



### 96 Hour Forecast

7 am CDT Friday October 11<sup>th</sup>

Peak Winds: 55 kt

Peak Seas: 12 ft

■ Wave heights are in feet



Significant Wave Height (ft)

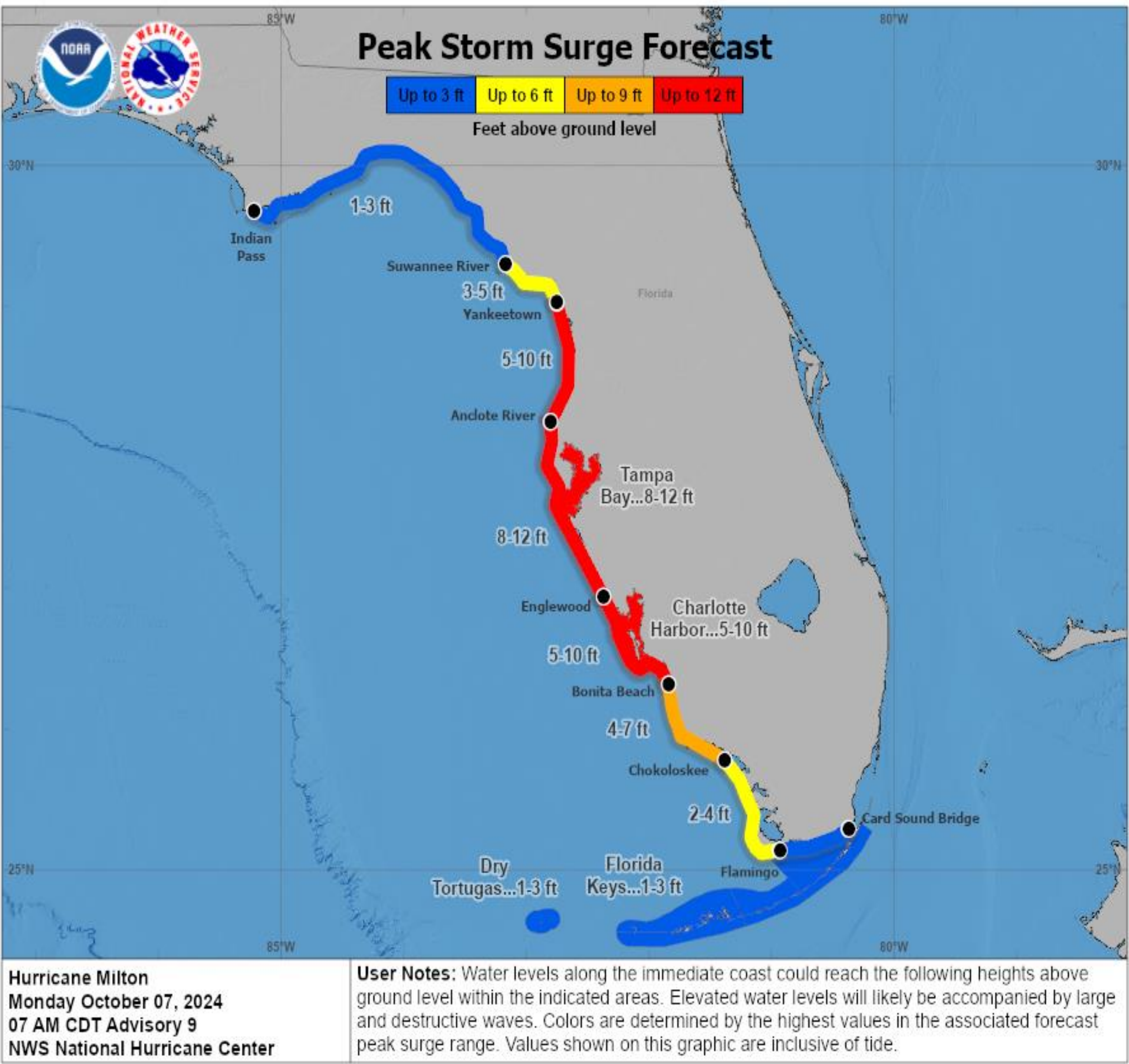


# Potential Storm Surge

Hurricane Milton



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center





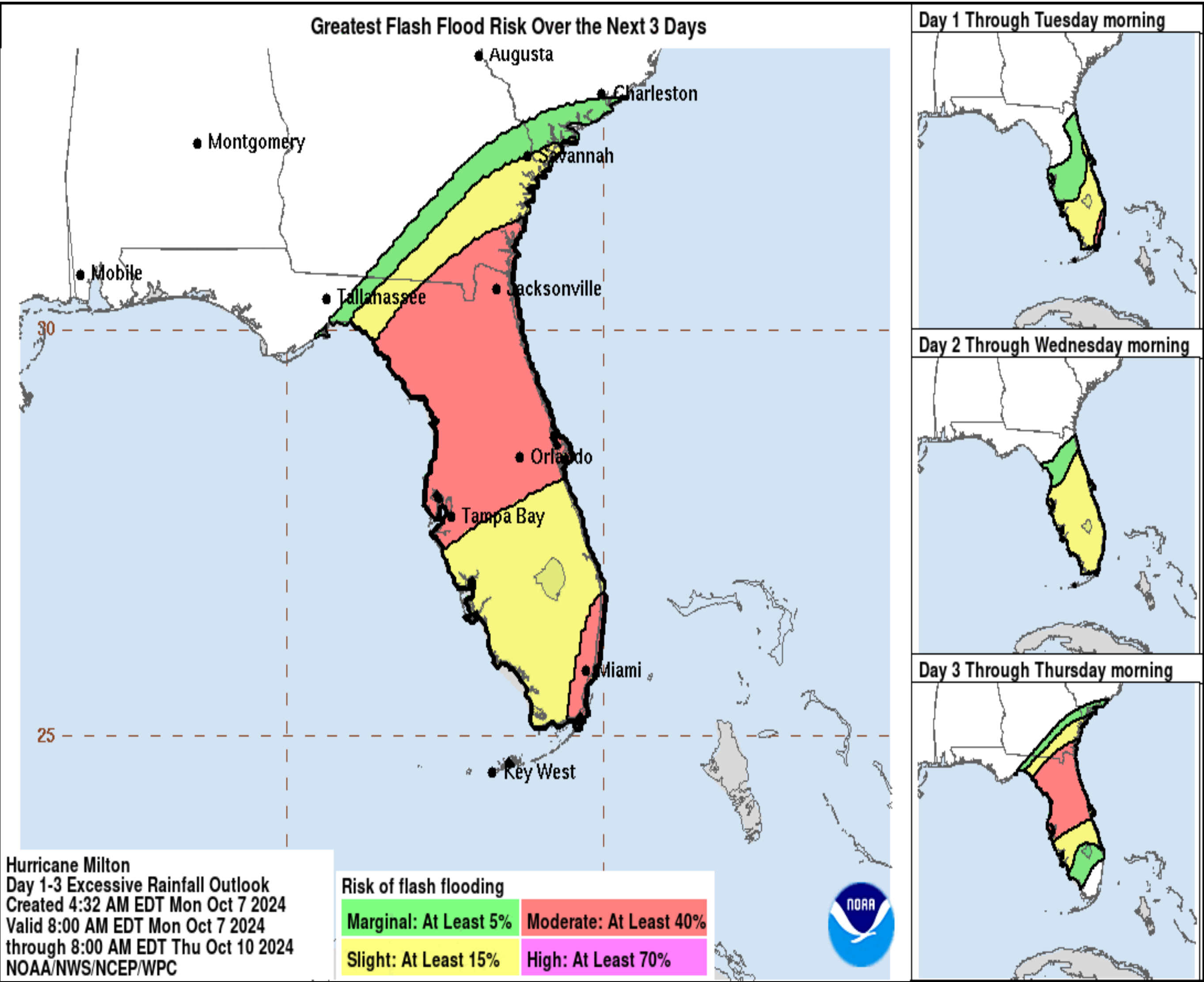
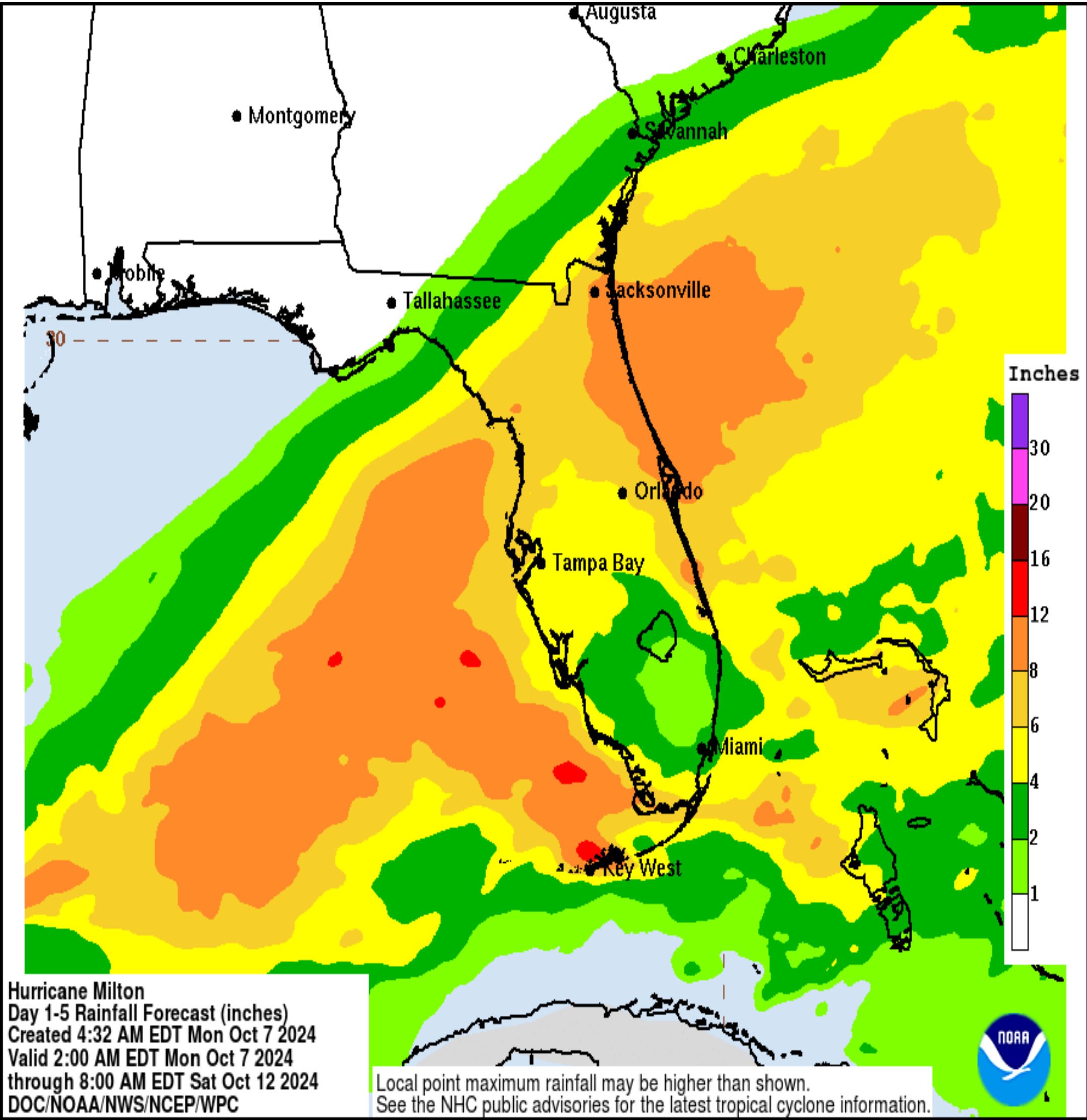
# Expected Storm Total Rainfall and Chance of Rainfall Flooding

Hurricane Milton

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



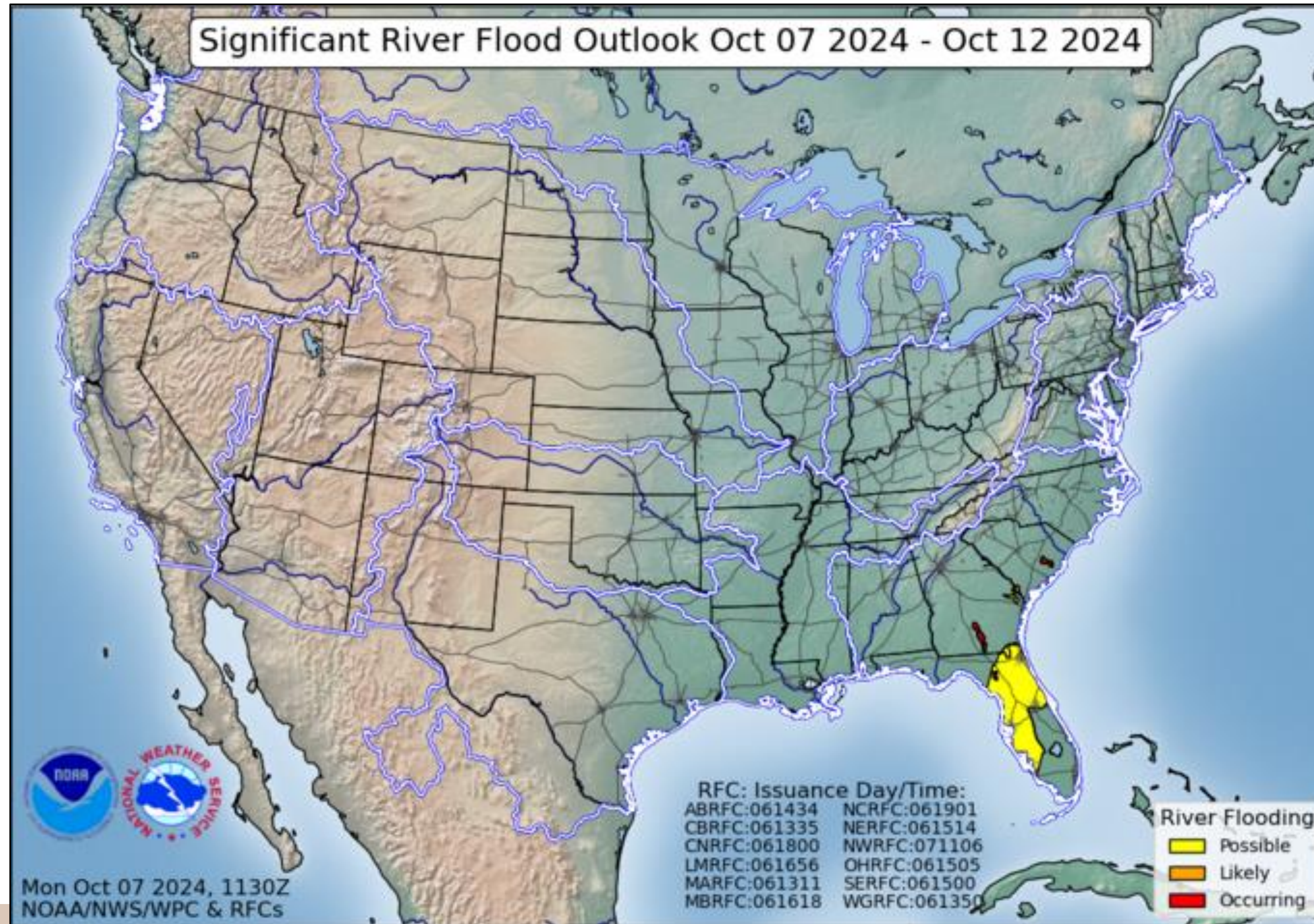


# Flood Outlook

Hurricane Milton



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



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



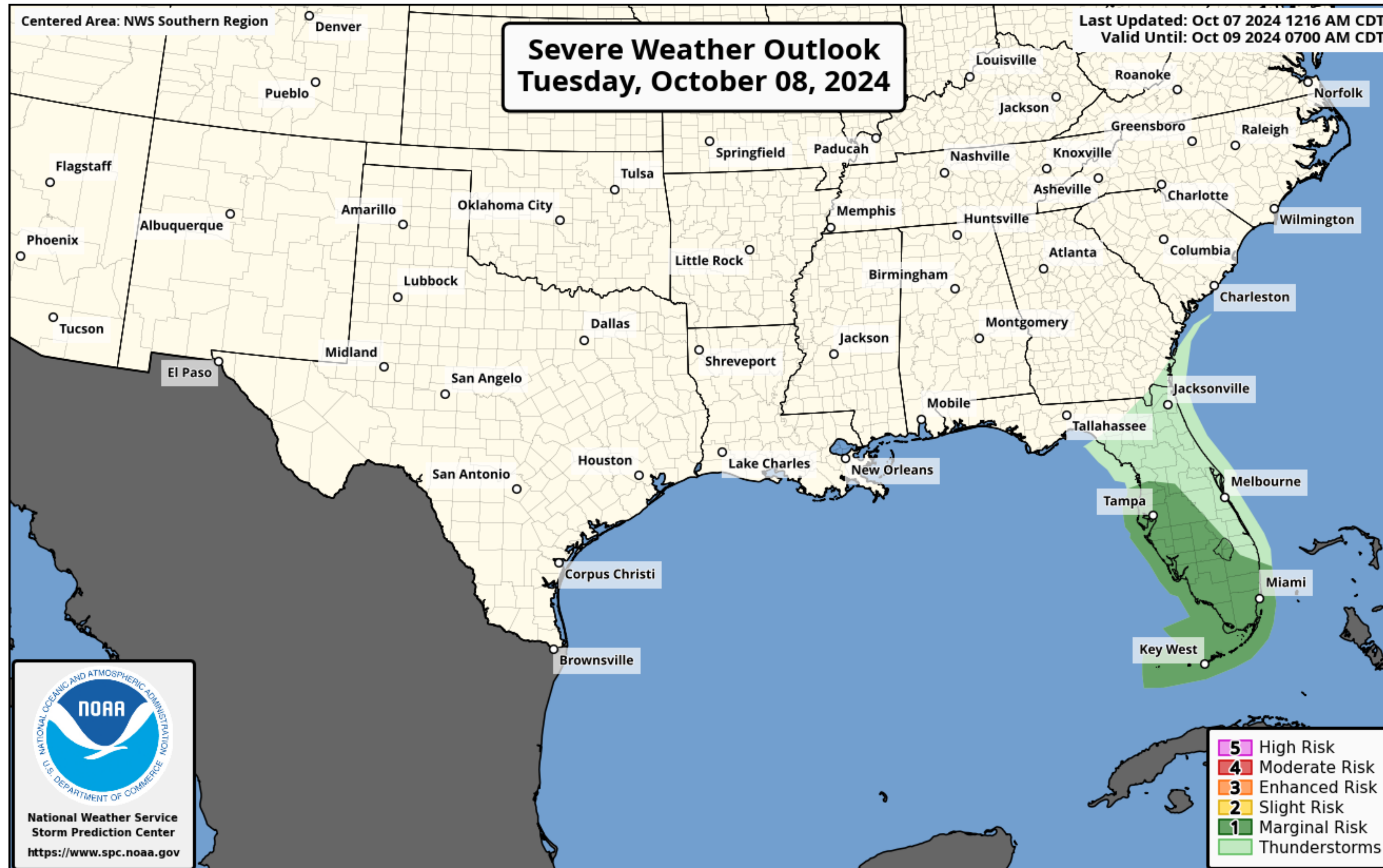
# Tornado Outlook – Day 2

Hurricane Milton

Image from NWS Storm Prediction Center



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center







# Key Messages

## Hurricane Milton





Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



### Key Messages for Hurricane Milton

Advisory 10: 10:00 AM CDT Mon Oct 07, 2024

1. Damaging hurricane-force winds are expected across portions of the northern coast of the Yucatan Peninsula. A life-threatening 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](https://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:  
**Nelsie Ramos— [Nelsie.Ramos@noaa.gov](mailto:Nelsie.Ramos@noaa.gov)**

**TIME of NEXT NHC Advisory:**  
**11 AM CDT**

*The Next Briefing Will Be:*  
*Mon 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)