

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 – High

HURRICANE MILTON BRIEFING



4:00 PM EDT
Wednesday, October 9, 2024

Prepared by:
Chris Landsea

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*





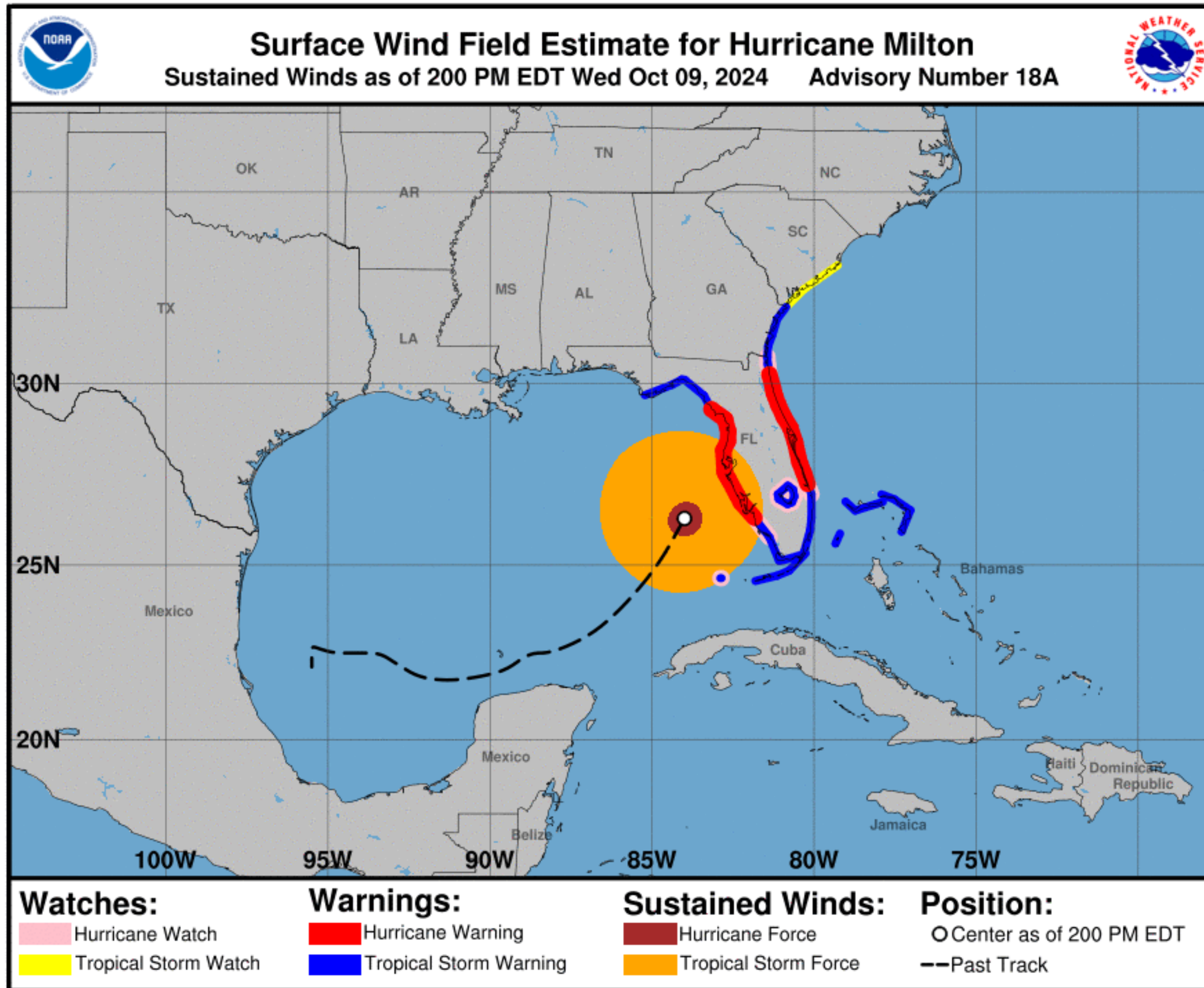
- **Milton continues to expand in size, while weakening slowly**
- **Milton's forecast track has been adjusted southward, with the landfall of the eye expected between Charlotte Harbor and Tampa Bay**
- **Peak surge and hurricane winds also shifted southward**

Situation Overview

Hurricane Milton



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



**...MULTIPLE TORNADO WARNINGS IN EFFECT ACROSS FLORIDA PENINSULA...
...TROPICAL-STORM-FORCE WINDS MOVING ONSHORE THE WEST COAST OF FLORIDA...**

SUMMARY OF 300 PM EDT INFORMATION

LOCATION...26.6N 83.7W
ABOUT 95 NM W OF FT. MYERS FLORIDA
ABOUT 100 NM SW OF TAMPA FLORIDA
MAXIMUM SUSTAINED WINDS...115 KT
PRESENT MOVEMENT...NE AT 14 KT

SIZE

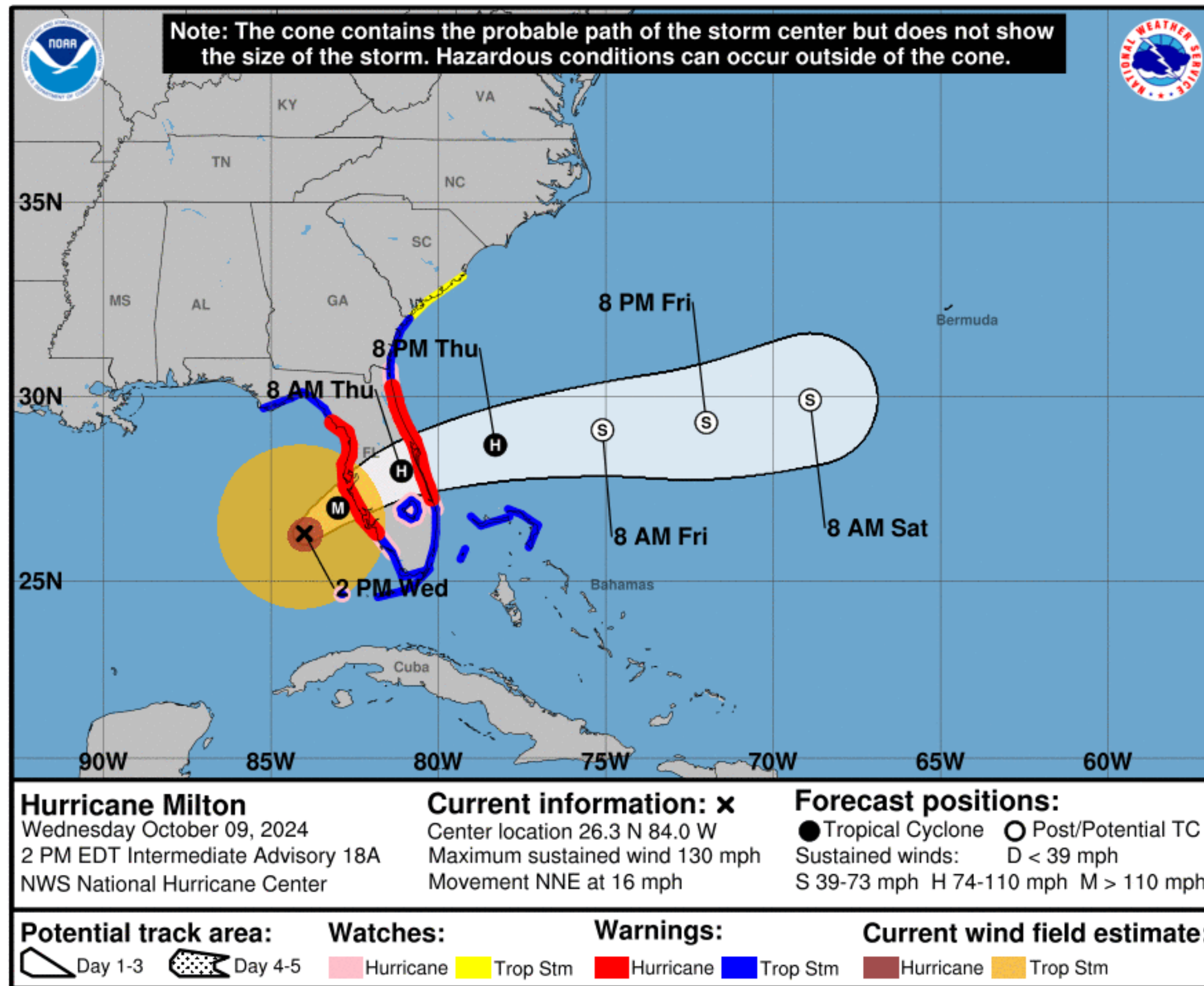
64 KT..... 30NE 30SE 30SW 30NW.
34 KT..... 180NE 170SE 110SW 220NW.
12 FT SEAS.. 150NE 180SE 360SW 360NW.
PEAK SEAS 37 FT

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.

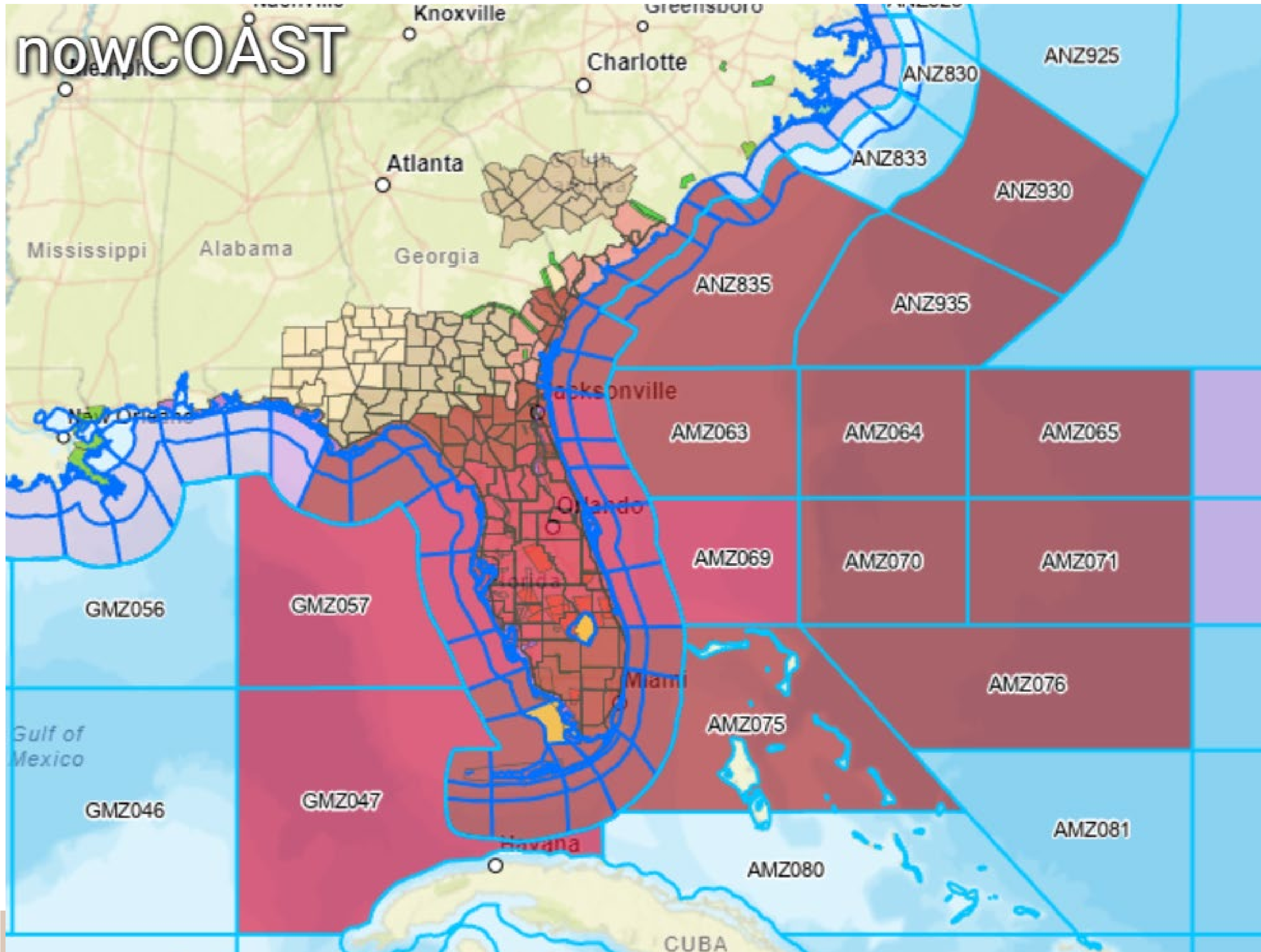
- **Milton will move toward the northeast at about the same speed through Thursday**
- **The system will make landfall between Port Charlotte and Tampa tonight as a large Category 3 hurricane**
- **After passing over Florida, Milton will turn eastward, accelerate and weaken over the Atlantic**
- Current center forecast positions through the next 5 days (if applicable) illustrated by dots
- White swatch of potential track error added to each side of the forecast track through day 3
- Hatched swatch 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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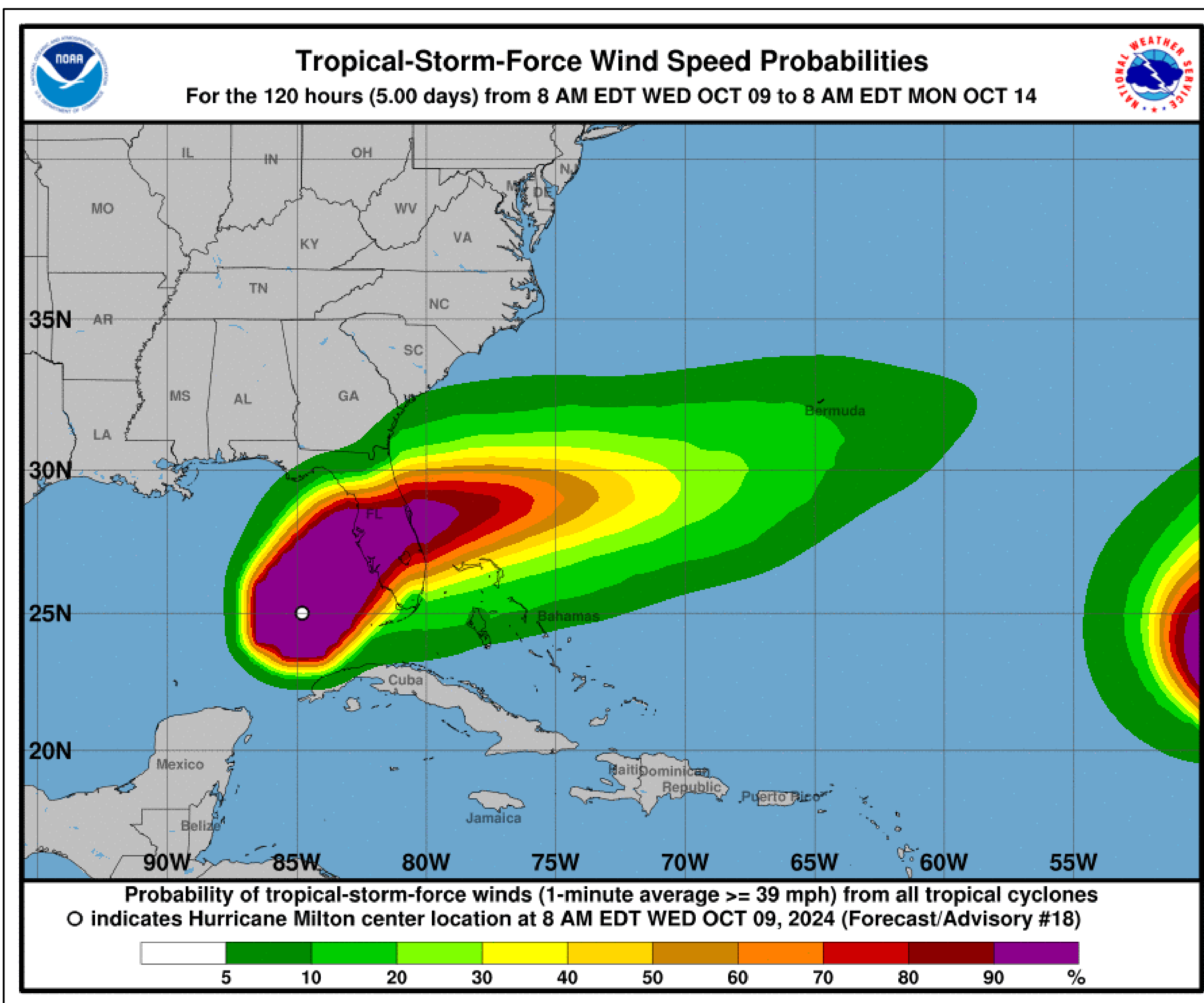
- Tropical Storm Watch (60)
- Hurricane Watch (44)
- Storm Surge Watch (2)
- Red Flag Warning (2)
- Gale Warning (18)
- Excessive Heat Warning (16)
- Coastal Flood Warning (3)
- Flood Warning (33)
- Tropical Storm Warning (53)
- Hurricane Warning (48)

T.S. Wind Speed Probabilities

Hurricane Milton



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NWS National Hurricane Center



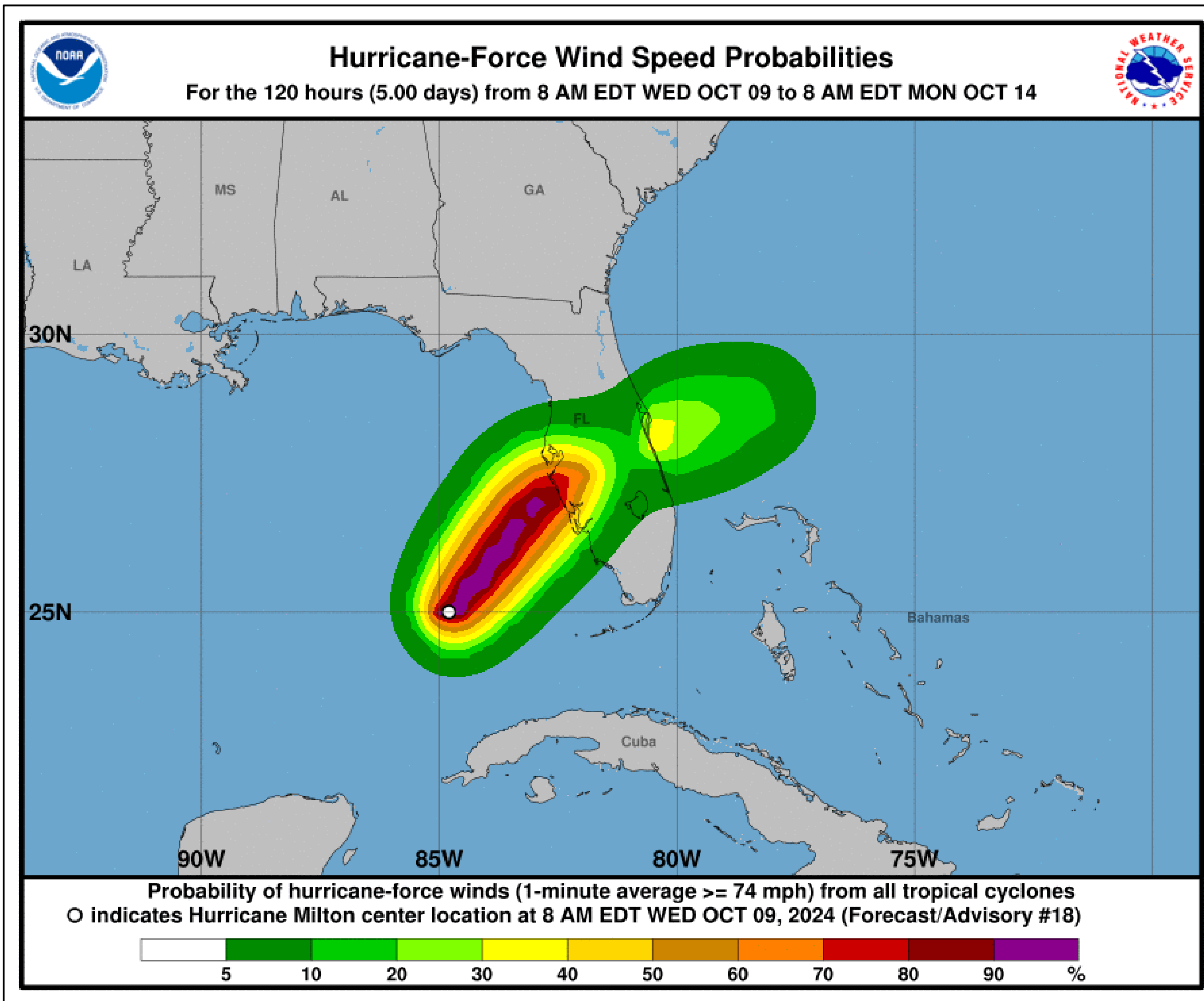
- **Cedar Key – 70%**
 - **Tampa – 100%**
 - **Venice – 100%**
 - **Ft Myers – 95%**
 - **Naples – 90%**
 - Key West – 15%
 - Marathon – 15%
 - Kings Bay, GA - 15%
 - Mayport – 20%
 - Jacksonville – 5%
 - **Daytona Beach – 70%**
 - **Cocoa Beach – 95%**
 - **Patrick AFB – 95%**
 - **Ft. Pierce – 95%**
 - **W Palm Beach – 70%**
 - Ft Lauderdale – 50%
 - 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



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Milton

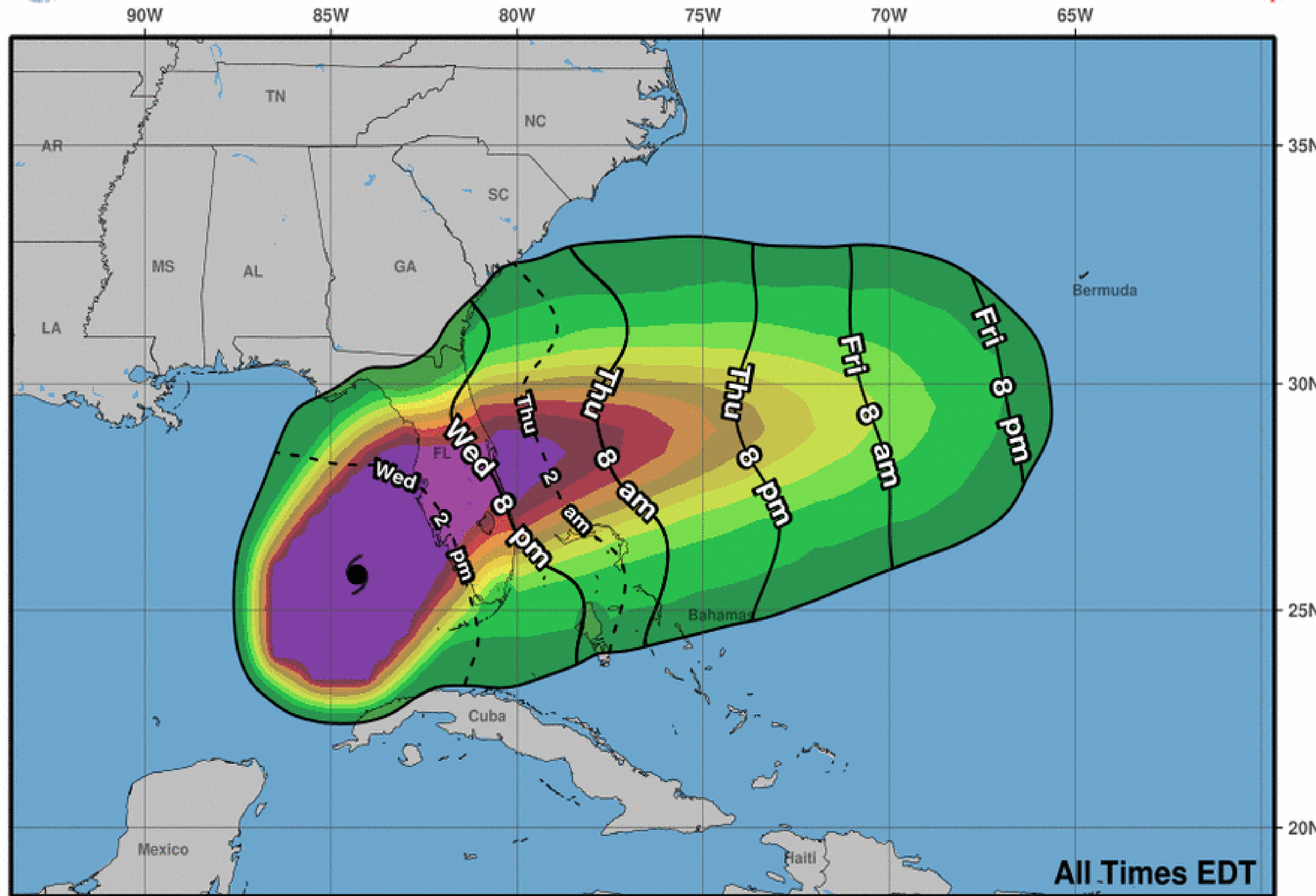


- Cedar Key – 0%
 - Tampa – 35%
 - **Venice – 85%**
 - Ft. Myers – 10%
 - Naples – 5%
 - Cocoa Beach – 35%
 - Patrick AFB – 35%
 - Ft. Pierce – 15%
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
 - Clear or dark green are the lowest chances of 0-30%.
 - Yellow to orange is 31-70%
 - Red through purple are the highest probabilities of 71%-100%
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Hurricane Milton

0-3 Day Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



Hurricane Milton
Wed. Oct. 9, 2024 11 am EDT
Advisory 18

Storm Location ○ < 34 kt (39 mph)
& ○ 34-63 kt (39-73 mph)
Wind Speed ● ≥ 64 kt (74 mph)

3-day chance of receiving sustained 34+ kt (39+ mph) winds

5	10	20	30	40	50	60	70	80	90	100%
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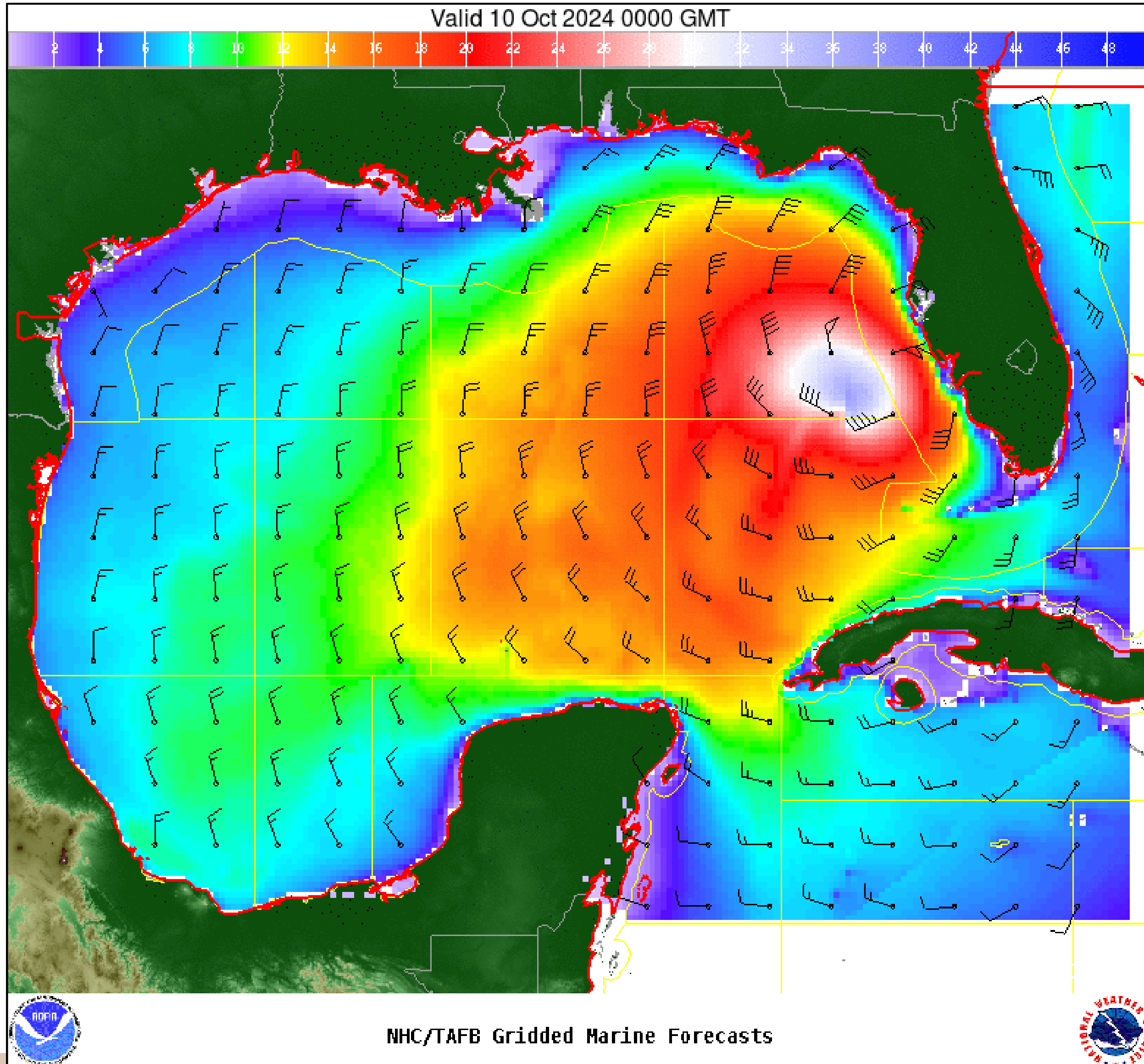
- **SW Florida – Imminent**
 - **NE and E Central Florida – Late tonight**
 - The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
 - Clear or dark green are the lowest chances of 0-30%.
 - Yellow to orange is 31-70%
 - Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Wind And Waves

Hurricane Milton



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Tonight's Conditions

8pm EDT Wednesday October 9th

Peak Winds: 110 kt

Peak Seas: 37 ft

■ Wave heights are in feet



Significant Wave Height (ft)

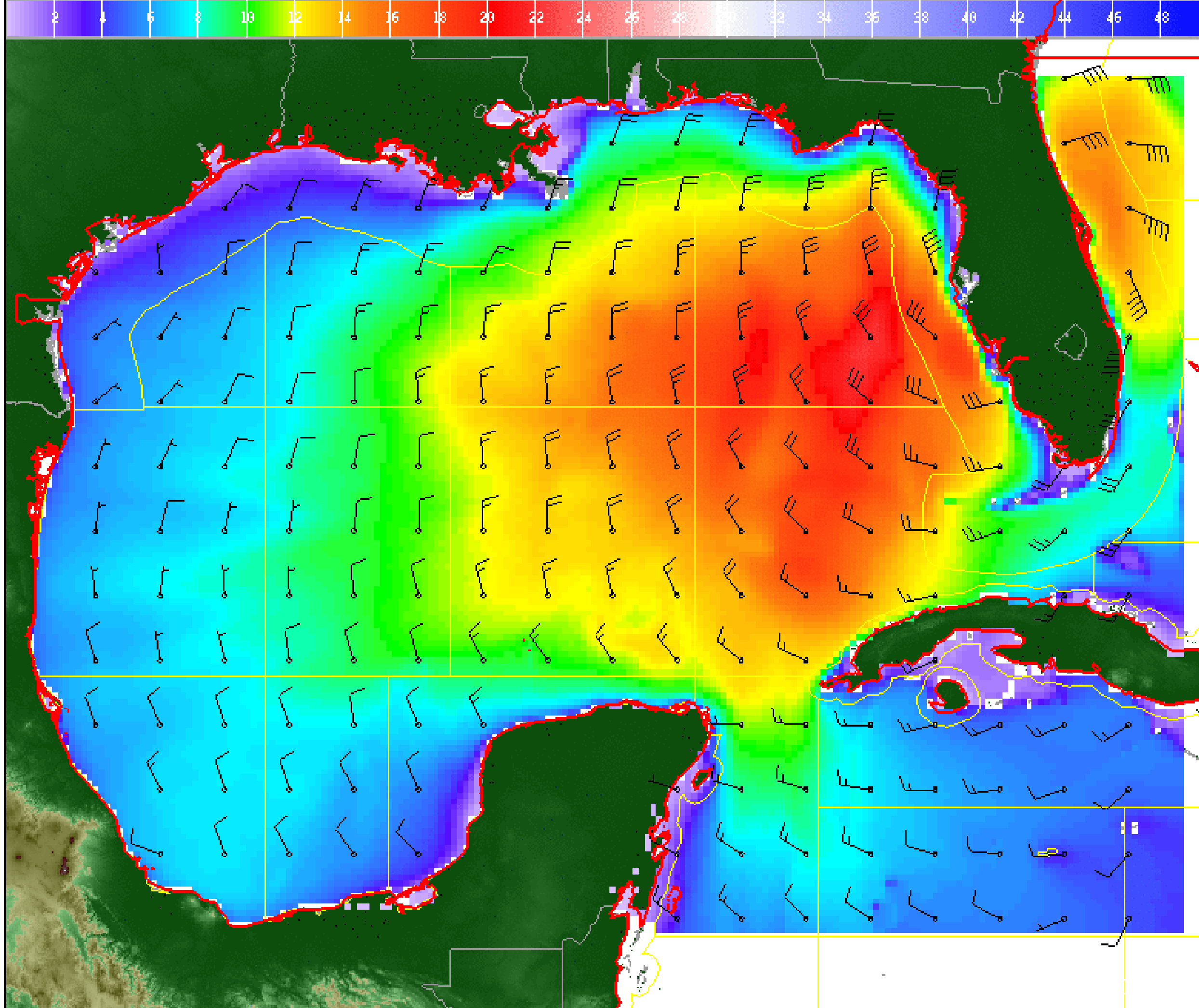
Wind And Waves

Hurricane Milton



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Valid 10 Oct 2024 1200 GMT



18 Hour Forecast

8am EDT Thursday October 10th

Peak Winds: 40 kt (Gulf)

Peak Seas: 22 ft (Gulf)

■ Wave heights are in feet



Significant Wave Height (ft)



NHC/TAFB Gridded Marine Forecasts



10/9/2024 3:16 PM

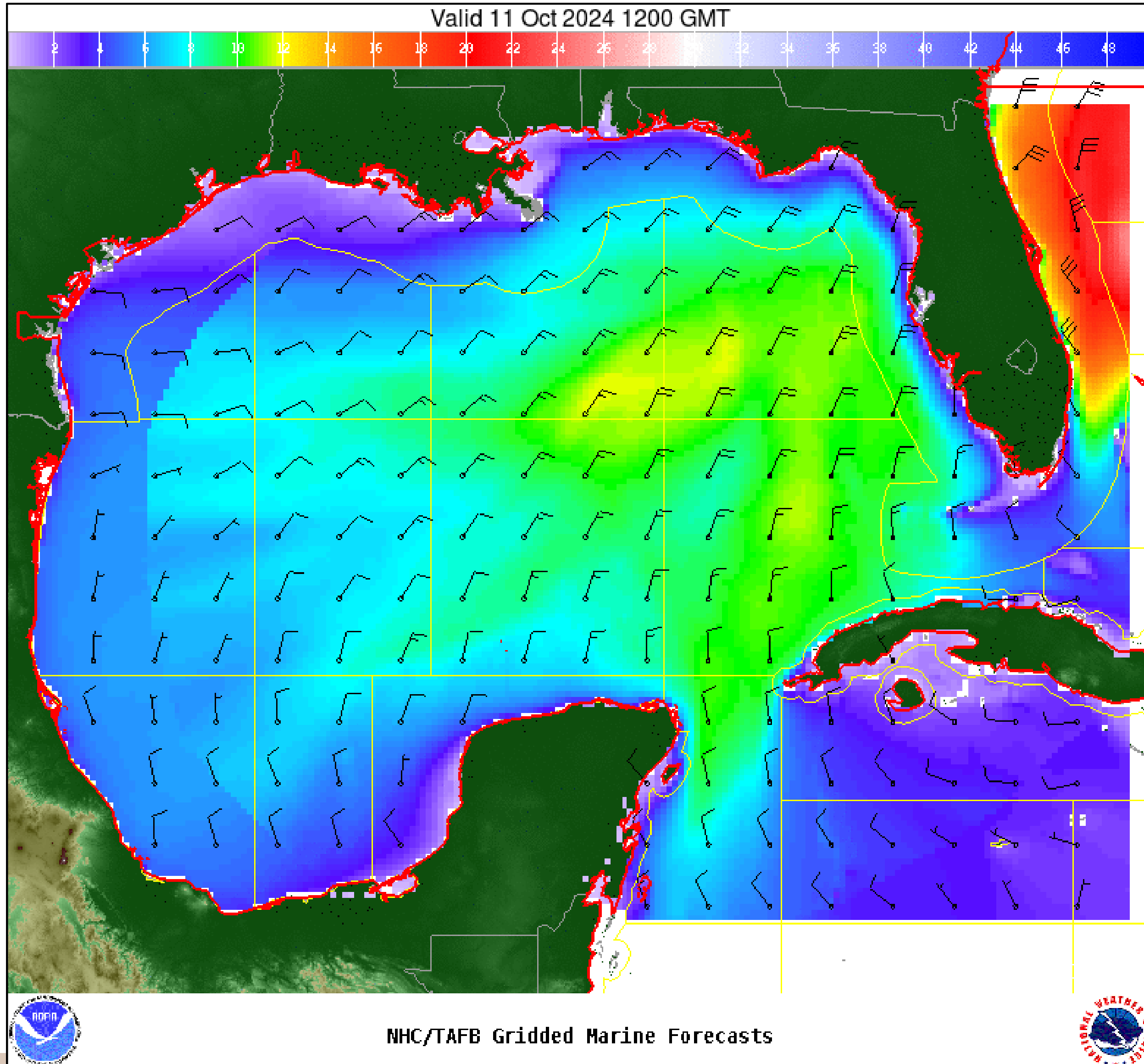
www.nhc.noaa.gov

Wind And Waves

Hurricane Milton



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



42 Hour Forecast

8am EDT Friday, October 11th

Peak Winds: 20 kt (Gulf)

Peak Seas: 12 ft (Gulf)

■ Wave heights are in feet



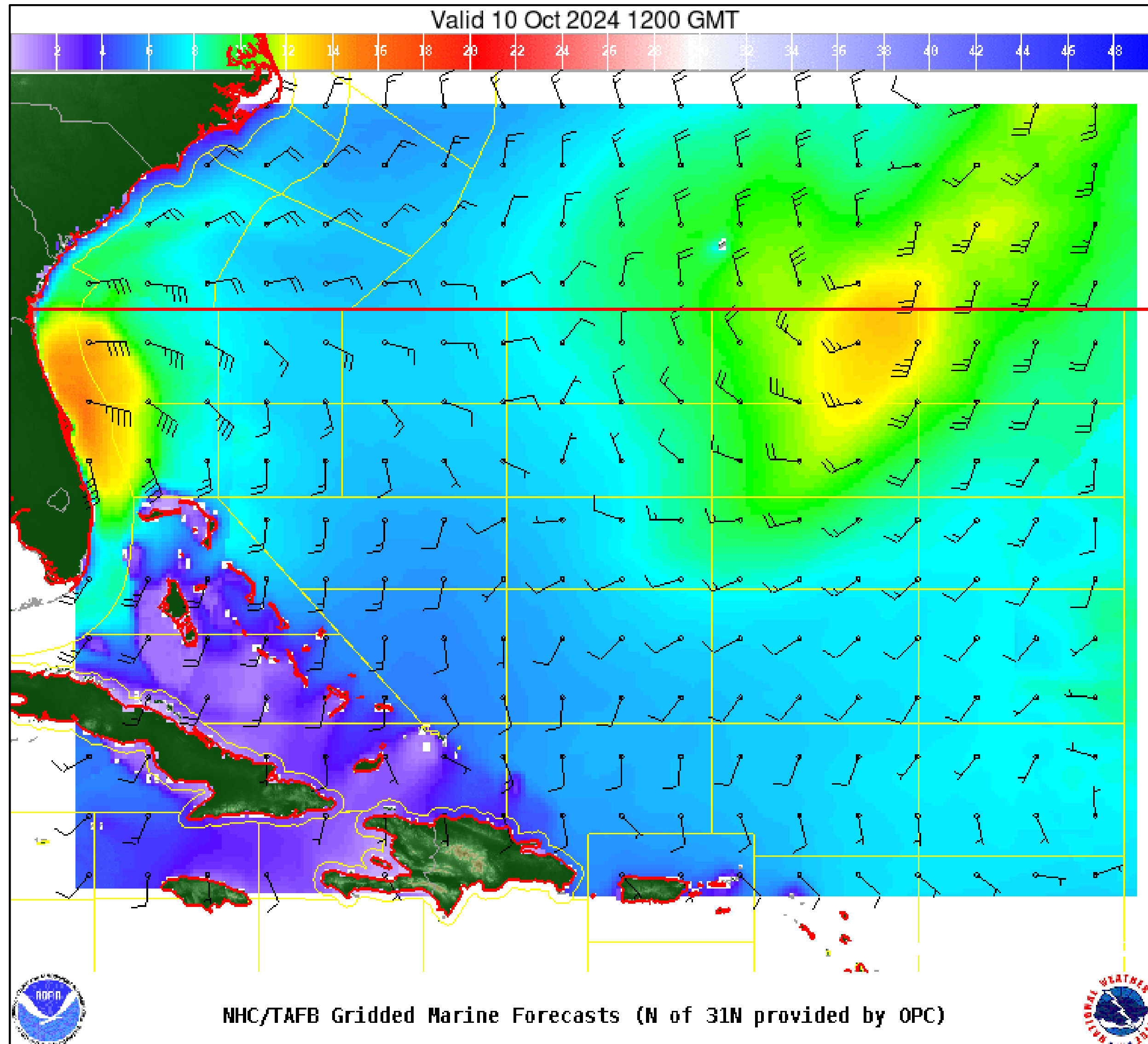
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



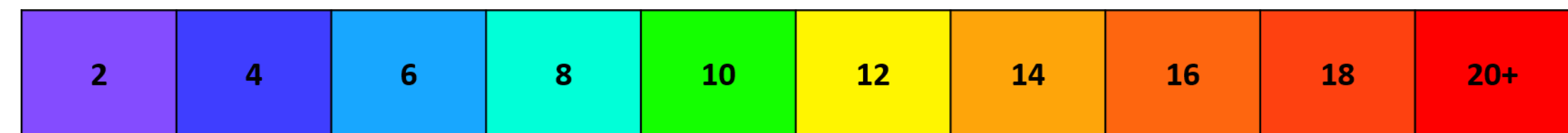
18 Hour Forecast

8am EDT Thursday October 10th

Peak Winds: 60 kt (Atlantic)

Peak Seas: 15 ft (Atlantic)

■ Wave heights are in feet



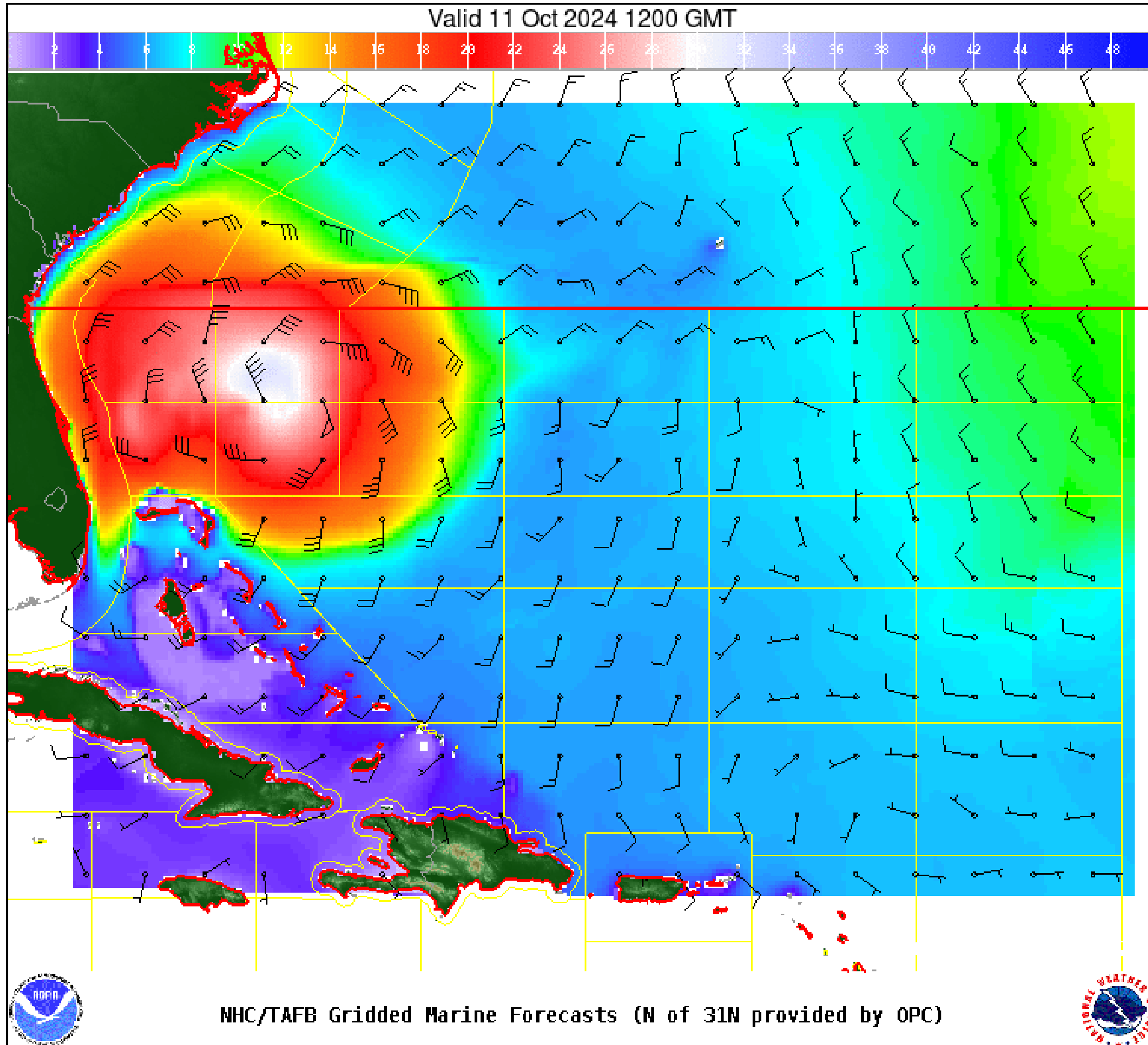
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



42 Hour Forecast

8am EDT Friday, October 11th

Peak Winds: 55 kt (Atlantic)

Peak Seas: 35 ft (Atlantic)

■ Wave heights are in feet



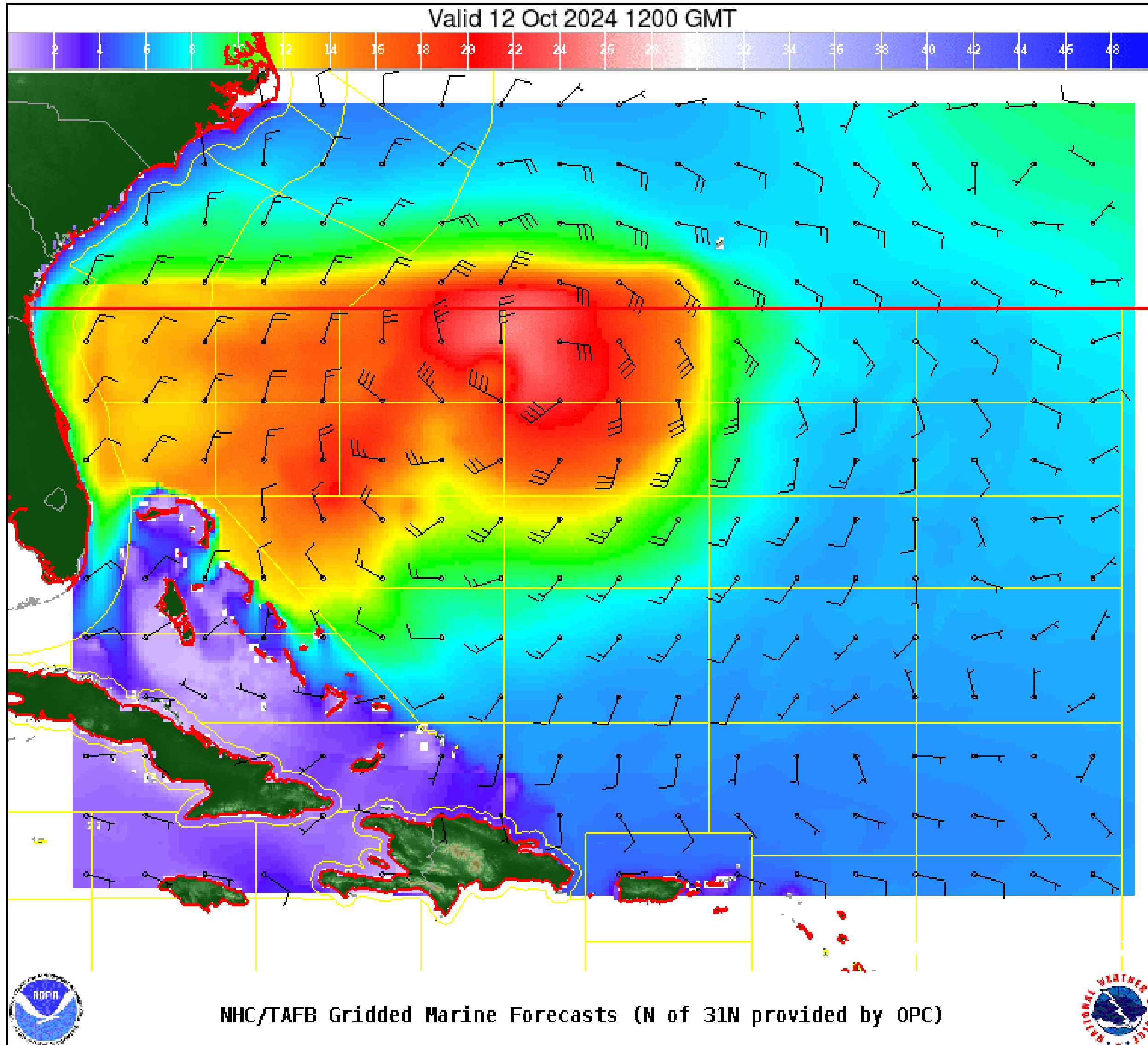
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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NWS National Hurricane Center



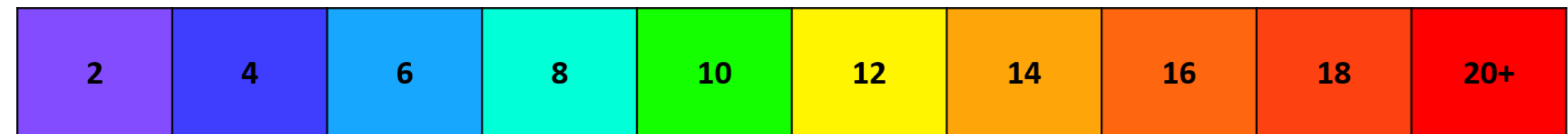
66 Hour Forecast

8am EDT Saturday, October 12th

Peak Winds: 45 kt (Atlantic)

Peak Seas: 25 ft (Atlantic)

■ Wave heights are in feet



Significant Wave Height (ft)



Hurricane Milton

- **Cedar Key – Thu Morning**
- **Tampa – Thu Morning**
- **Venice – Thu Morning**
- **Ft Myers – Early Thu Morning**
- **Naples – Early Thu Morning**

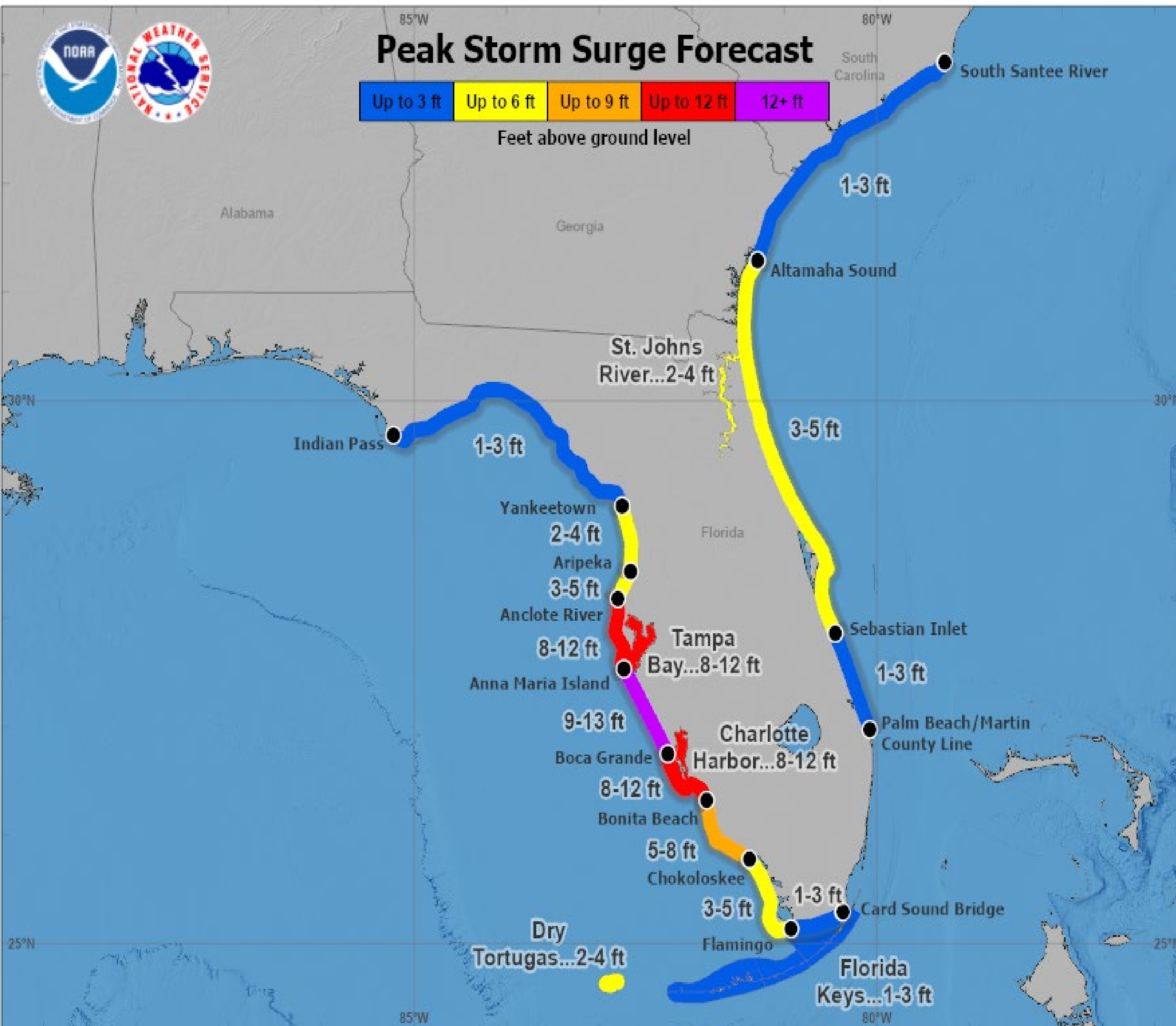
Daytona Beach – Noon Thu
Cocoa Beach – Early Thu Afternoon
Patrick AFB – Early Thu Afternoon
Ft. Pierce – Late Thu Afternoon
W Palm Beach – Early Thu Evening

Potential Peak Storm Surge / Watches and Warnings



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Milton



Hurricane Milton
Wednesday October 09, 2024
02 PM EDT Advisory 18A
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.

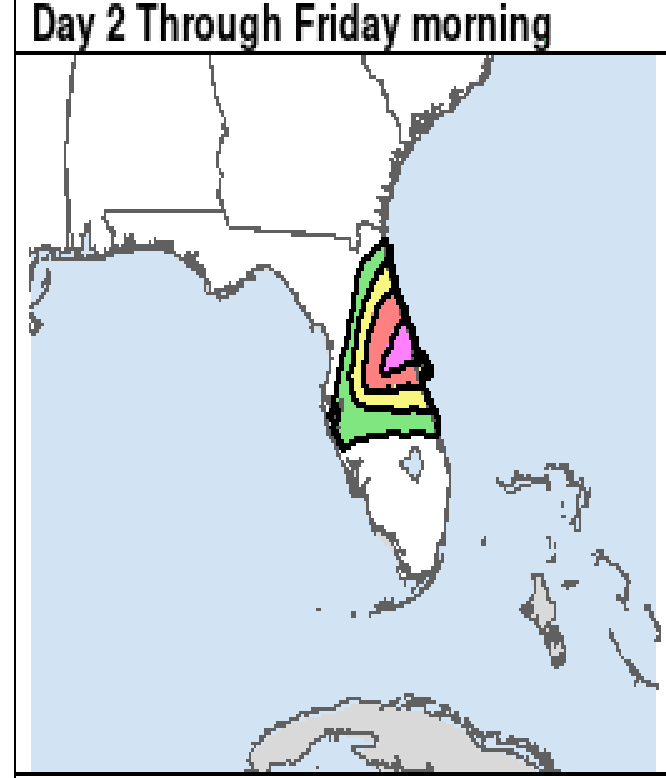
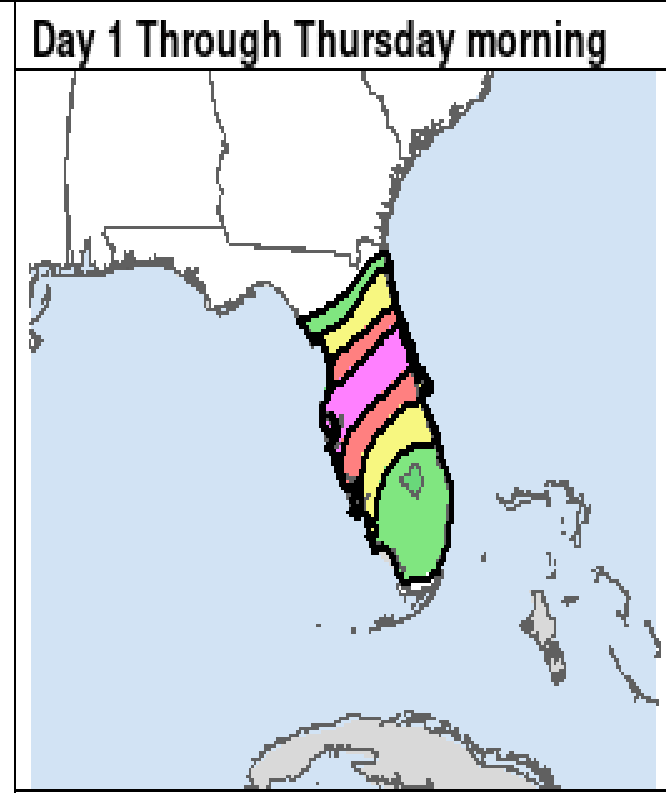
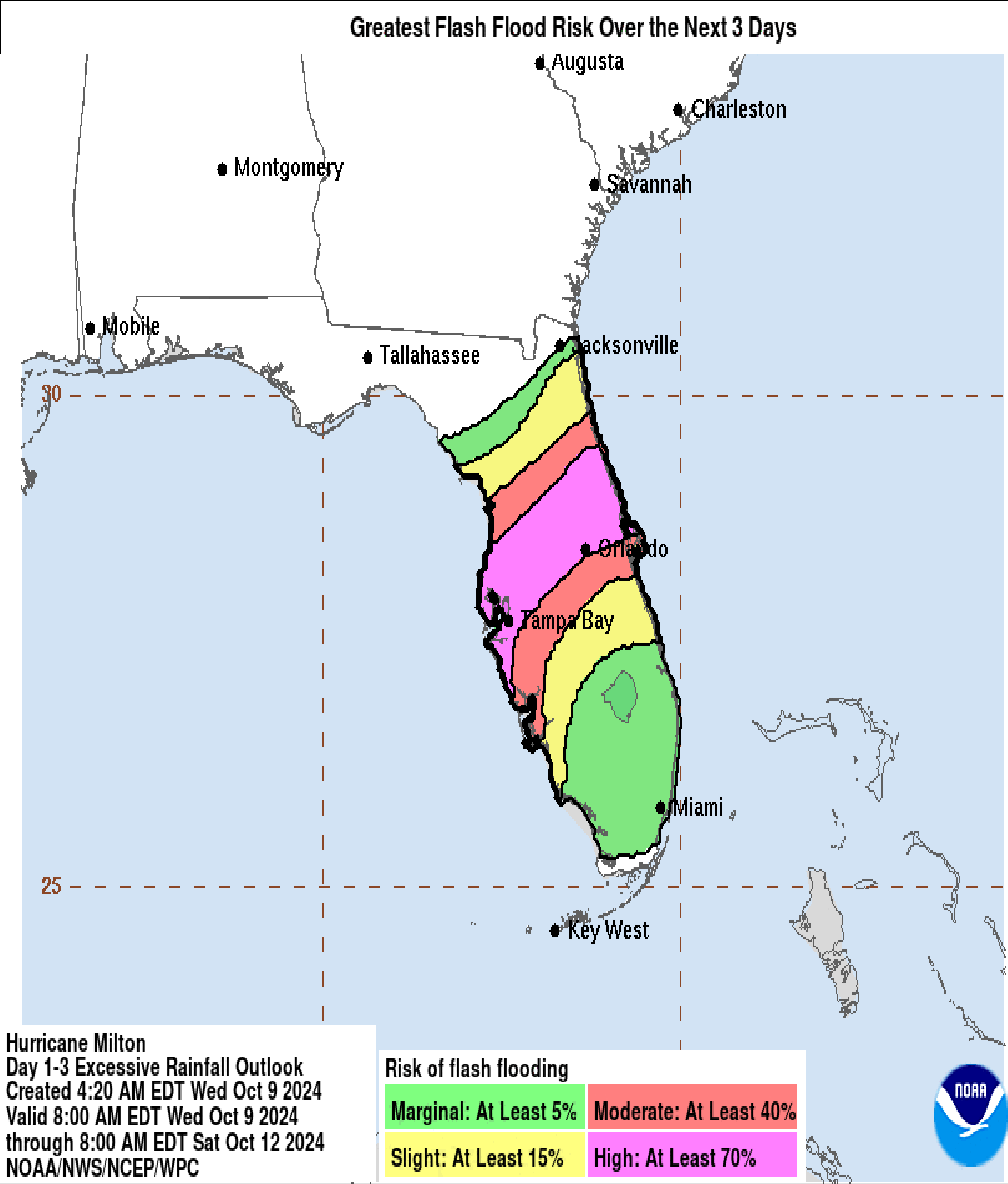
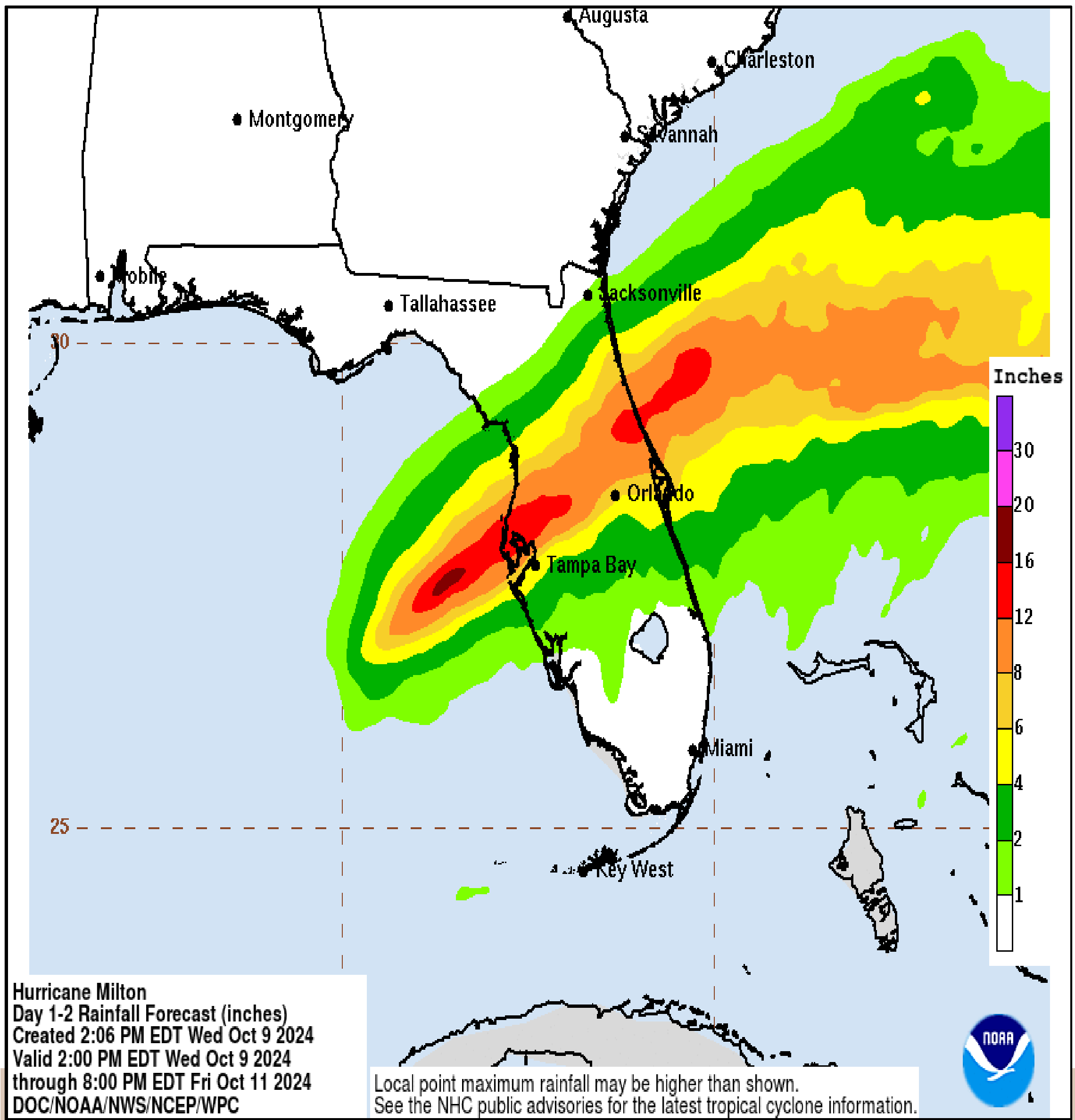
Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Milton

Images from NWS Weather Prediction Center



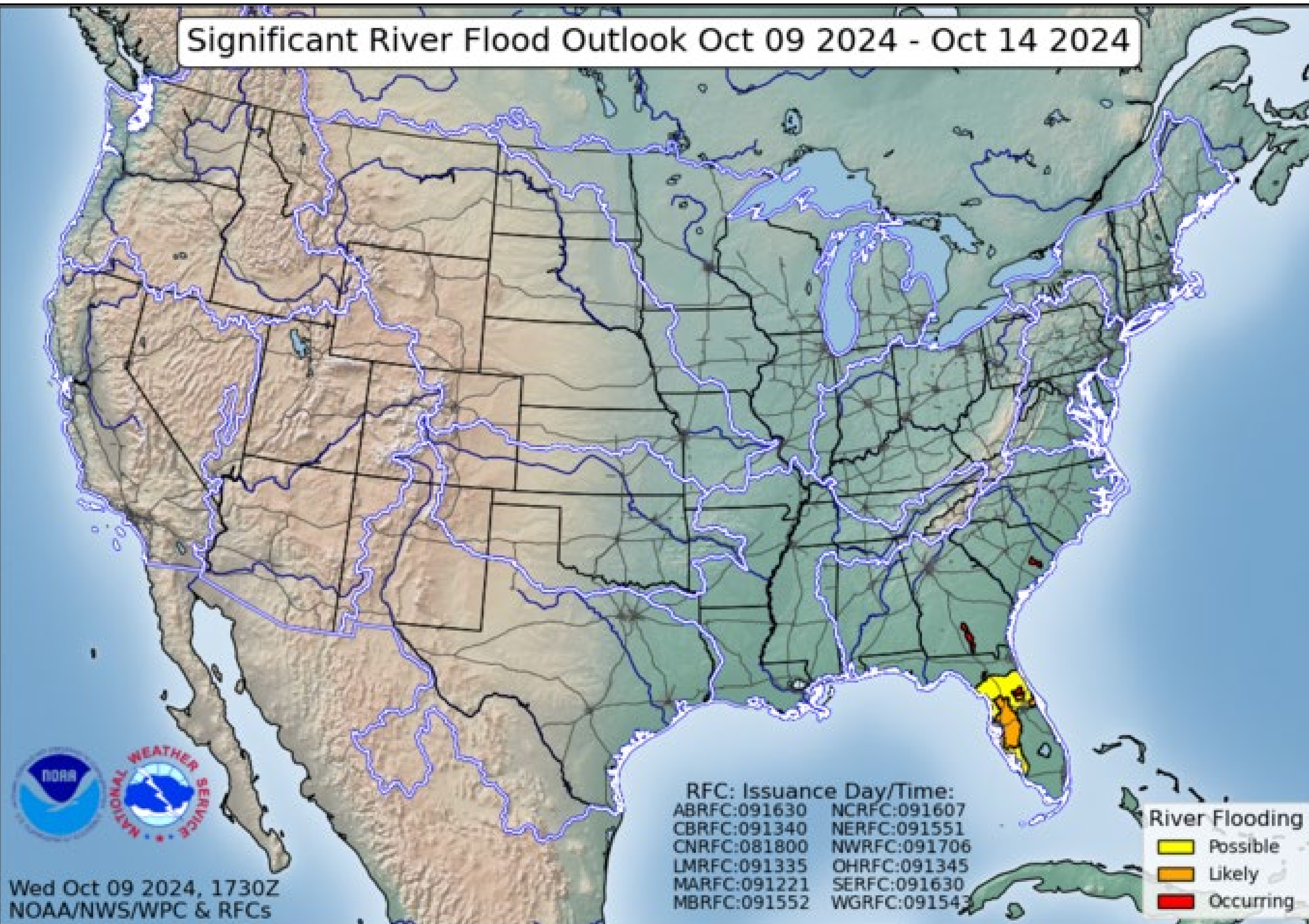
Flood Outlook

Hurricane Milton



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Significant River Flood Outlook Oct 09 2024 - Oct 14 2024



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

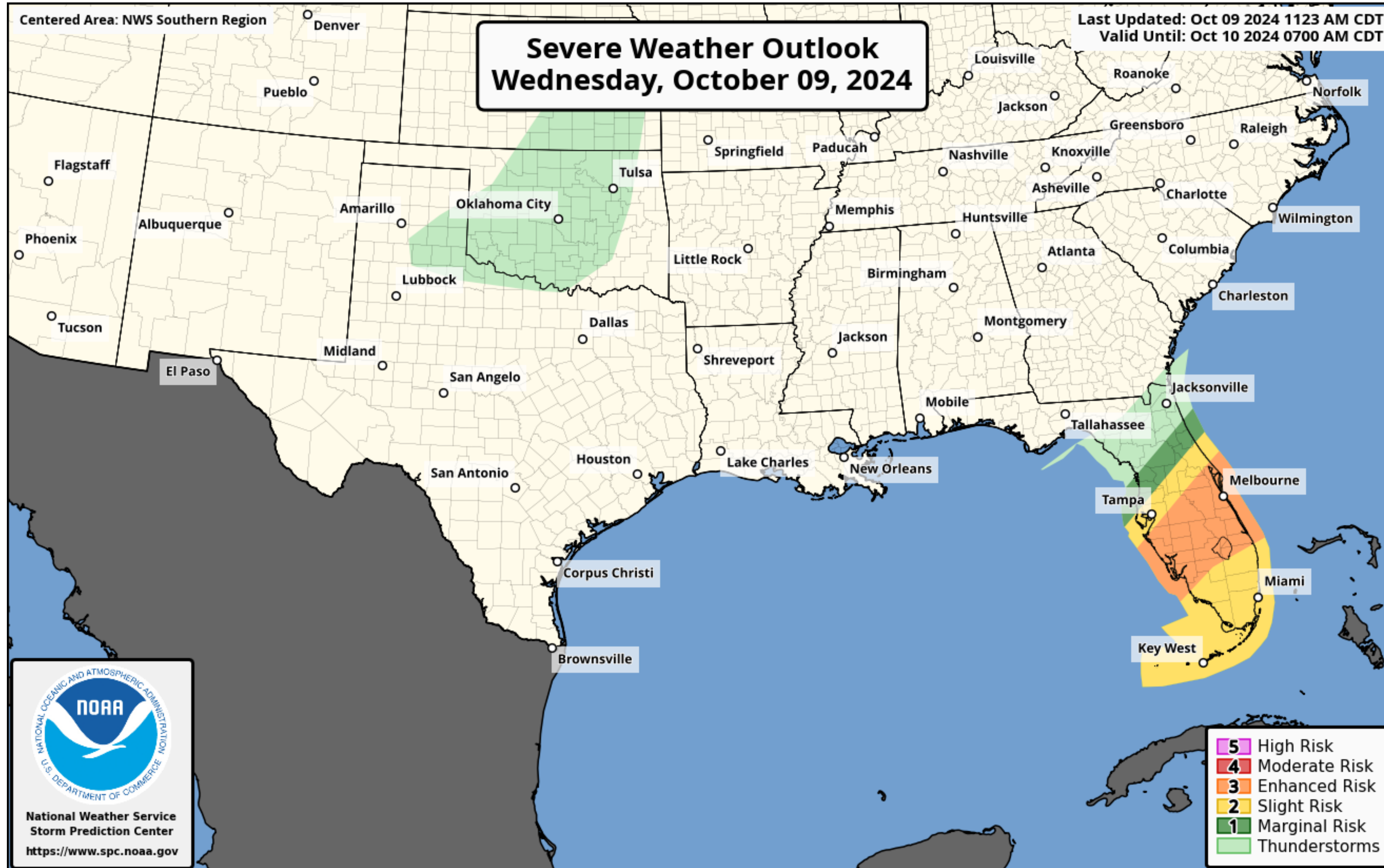
Tornado Outlook – Day 1

Hurricane Milton

Image from NWS Storm Prediction Center



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



**Potential for many
tornadoes over central
Florida peninsula
tonight**

Key Messages

Hurricane Milton



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



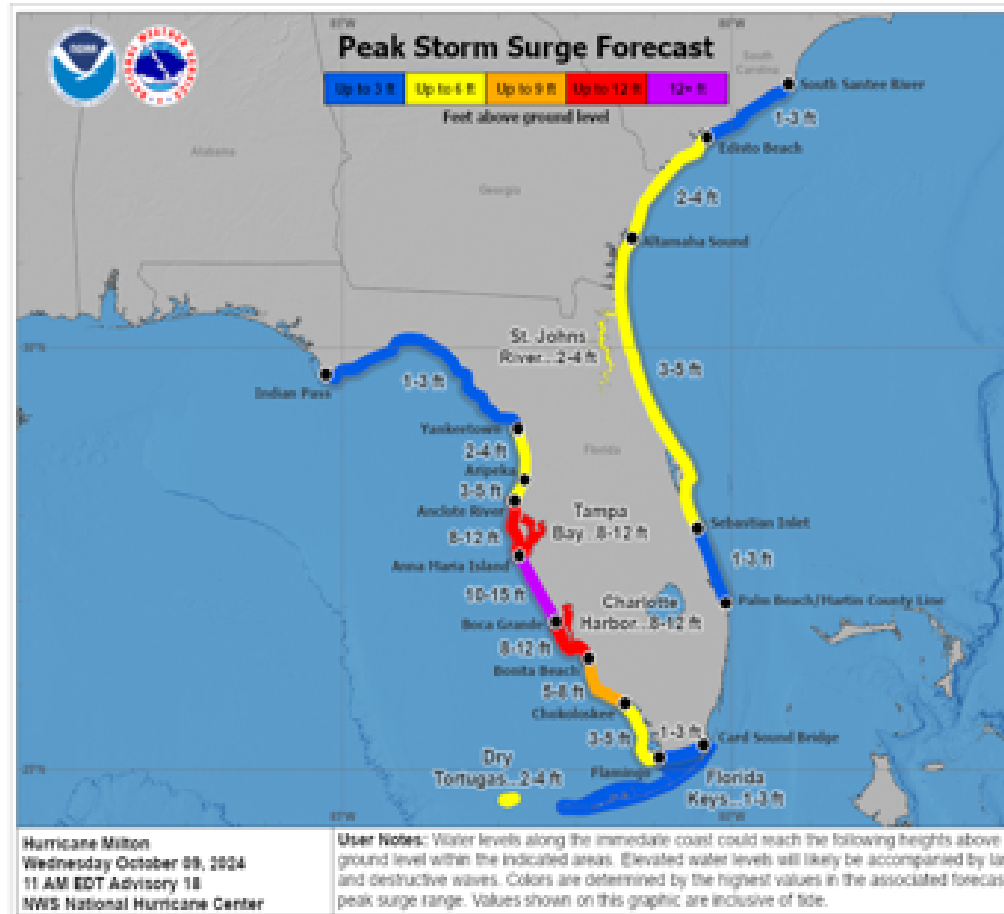
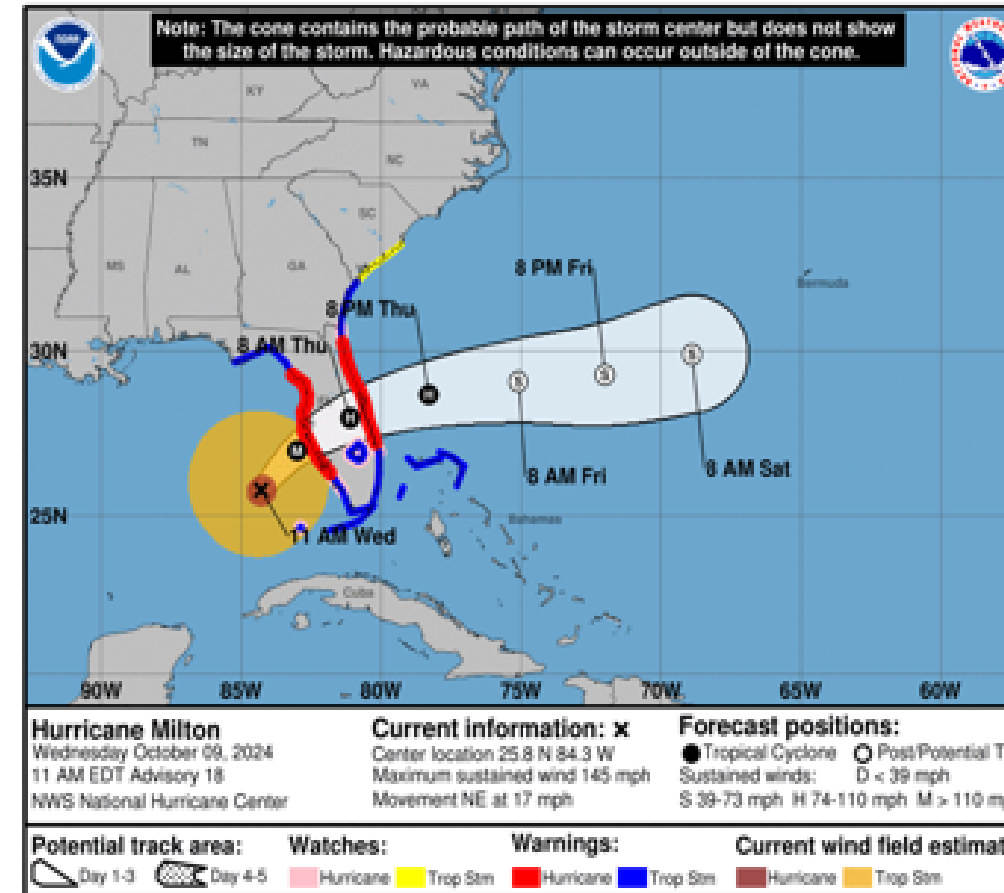
Key Messages for Hurricane Milton Advisory 18: 11:00 AM EDT Wed Oct 09, 2024



1. 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. The time to evacuate, if told to do so by local officials, is quickly coming to a close.

2. 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 while 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, including being ready for long-duration power outages, should be rushed to completion.

3. Heavy rainfall across the Florida Peninsula through Thursday brings the risk of catastrophic and 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.



For more information go to 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 – High

- **Marine Key Messages:**
- Dangerous seas are currently occurring across much of the central and eastern Gulf of Mexico
- Peak seas will recede by Thursday night over the Gulf
- Seas over the Atlantic will rapidly build late today 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:

Chris Landsea

Chris.Landsea@noaa.gov

TIME of NEXT NHC Advisory:

5 PM EDT

The Next Briefing Will Be:

Thursday 9:00 AM EDT

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



NHC_TAFB

www.nhc.noaa.gov