

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 – Low

HURRICANE MILTON BRIEFING



4:00 PM EDT
Monday, October 7, 2024

Prepared by:

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*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

www.nhc.noaa.gov

What's New Since Last Briefing

Hurricane Milton



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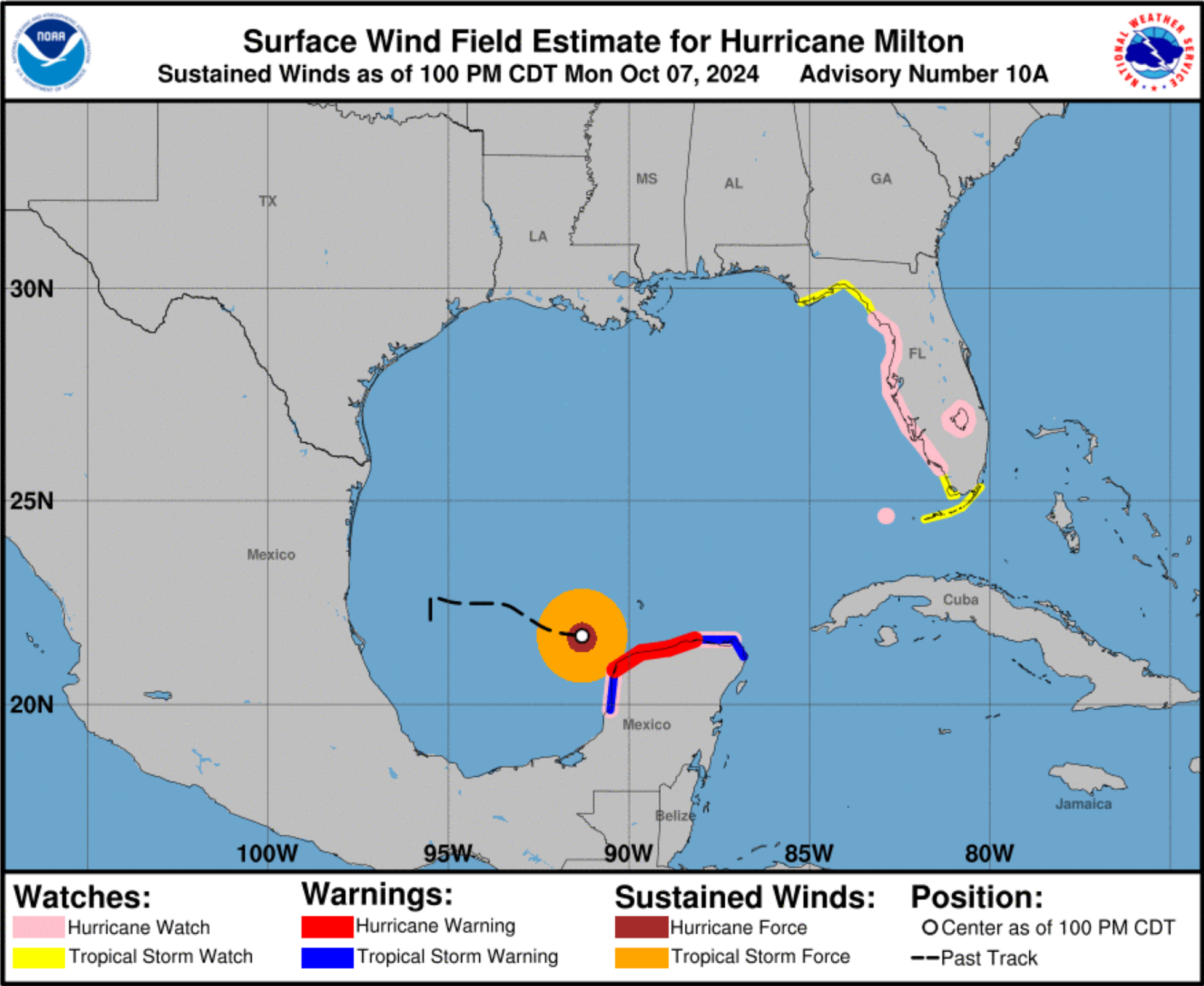
- **Milton has rapidly intensified to a 155 kt Category 5 hurricane**
- **All forecast impacts (winds, seas, rainfall, storm surge) remain relatively unchanged**

Situation Overview

Hurricane Milton



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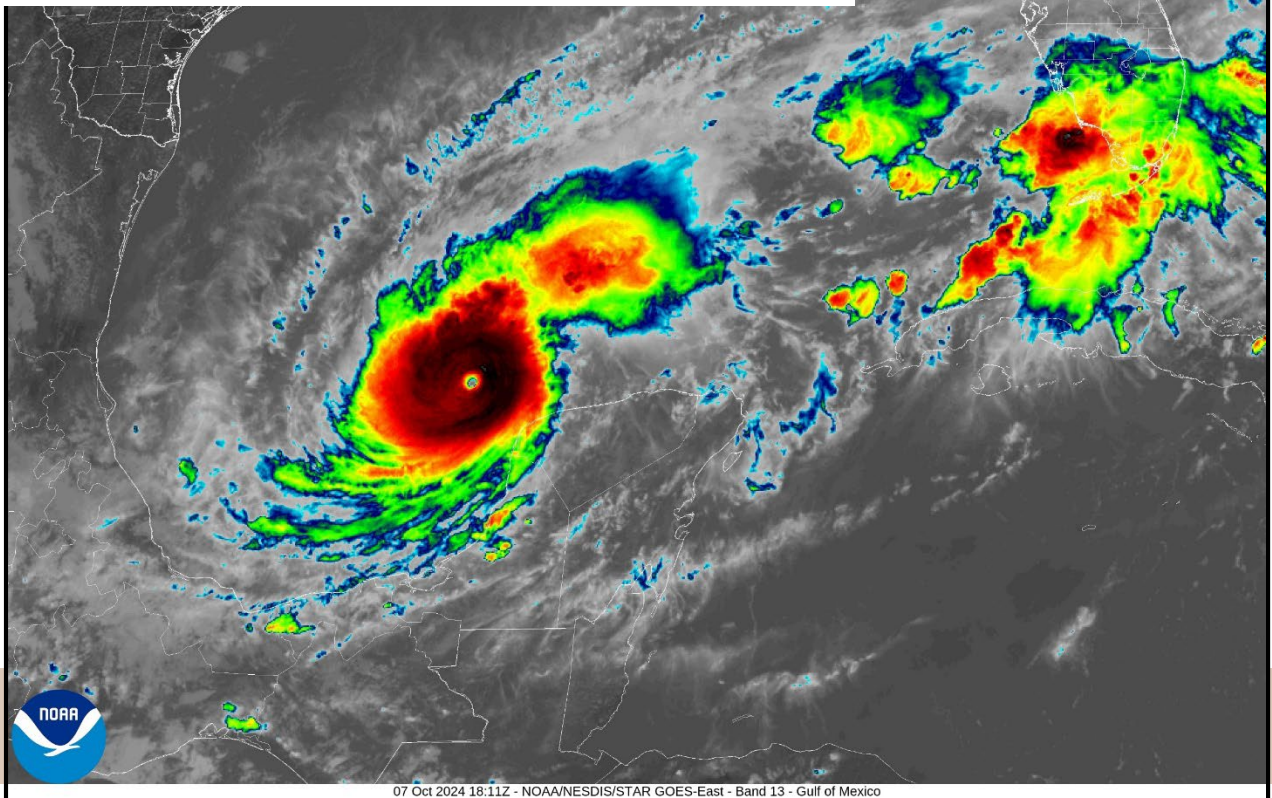


...**MILTON EXPLOSIVELY INTENSIFIES WITH 175-MPH WINDS...RESIDENTS IN FLORIDA ARE URGED TO FOLLOW THE ADVICE OF LOCAL OFFICIALS...**

SUMMARY OF 200 PM EDT...INFORMATION

LOCATION...21.7N 91.3W
ABOUT 610 NMI... SW OF TAMPA FLORIDA
MAXIMUM SUSTAINED WINDS... 155 KT
PRESENT MOVEMENT...E 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 40 ft

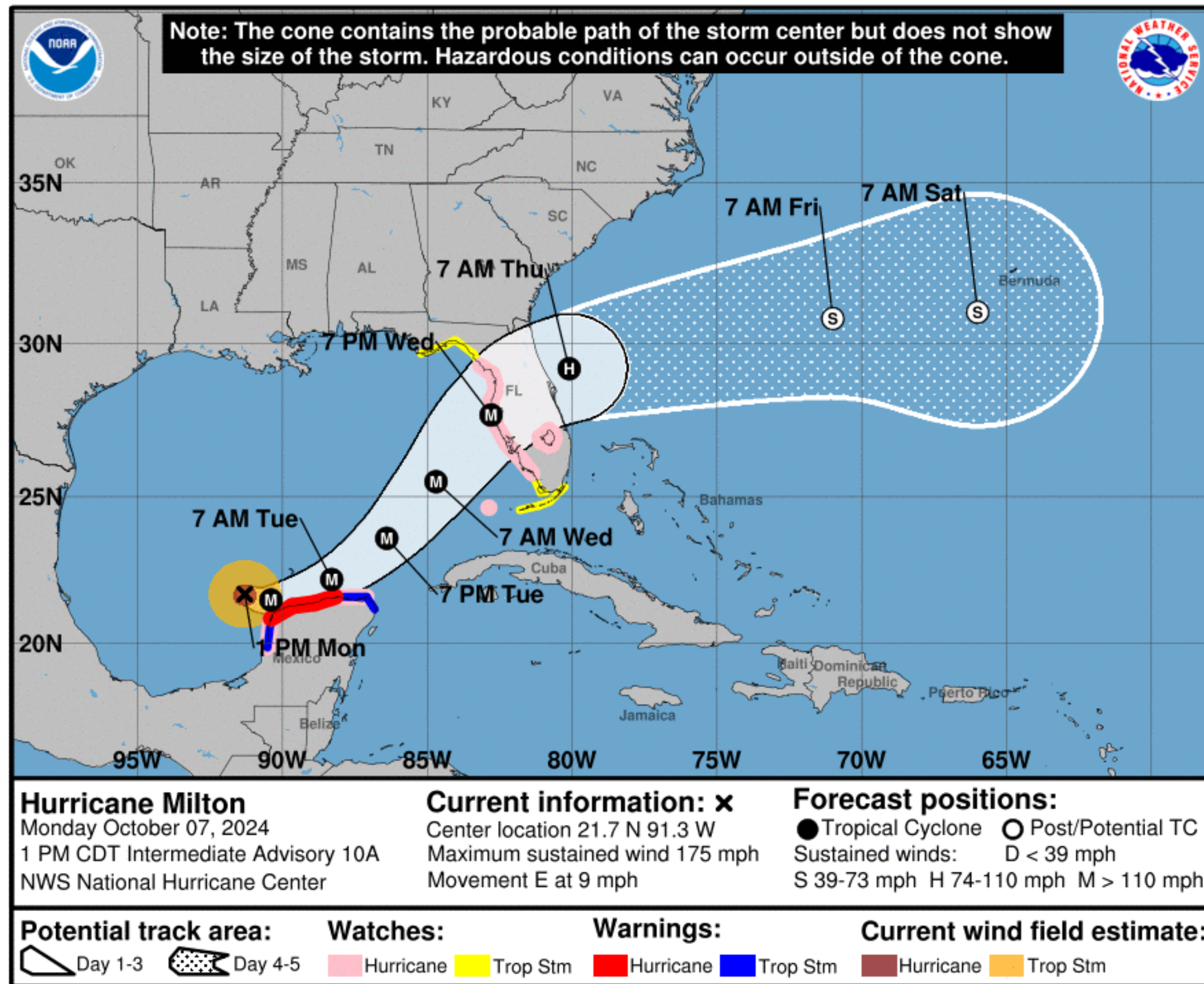


Forecast Information

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 ENE and NE on Tuesday and Wednesday**
- **Milton is a Category 5 hurricane and is forecast to remain an extremely dangerous hurricane through landfall in Florida 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 swatch of potential track error added to each side of the forecast track days 4-5

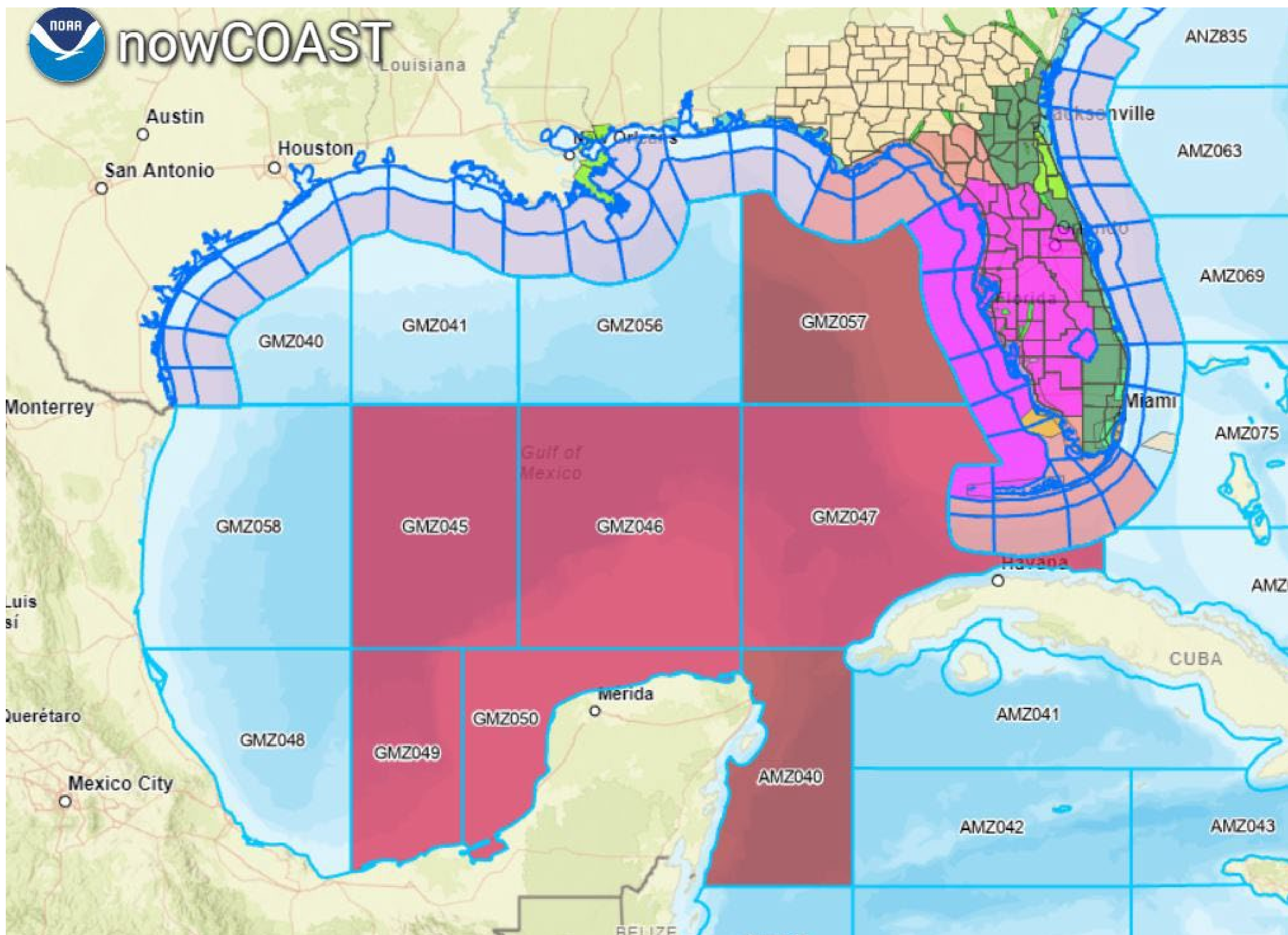
** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Hurricane Milton



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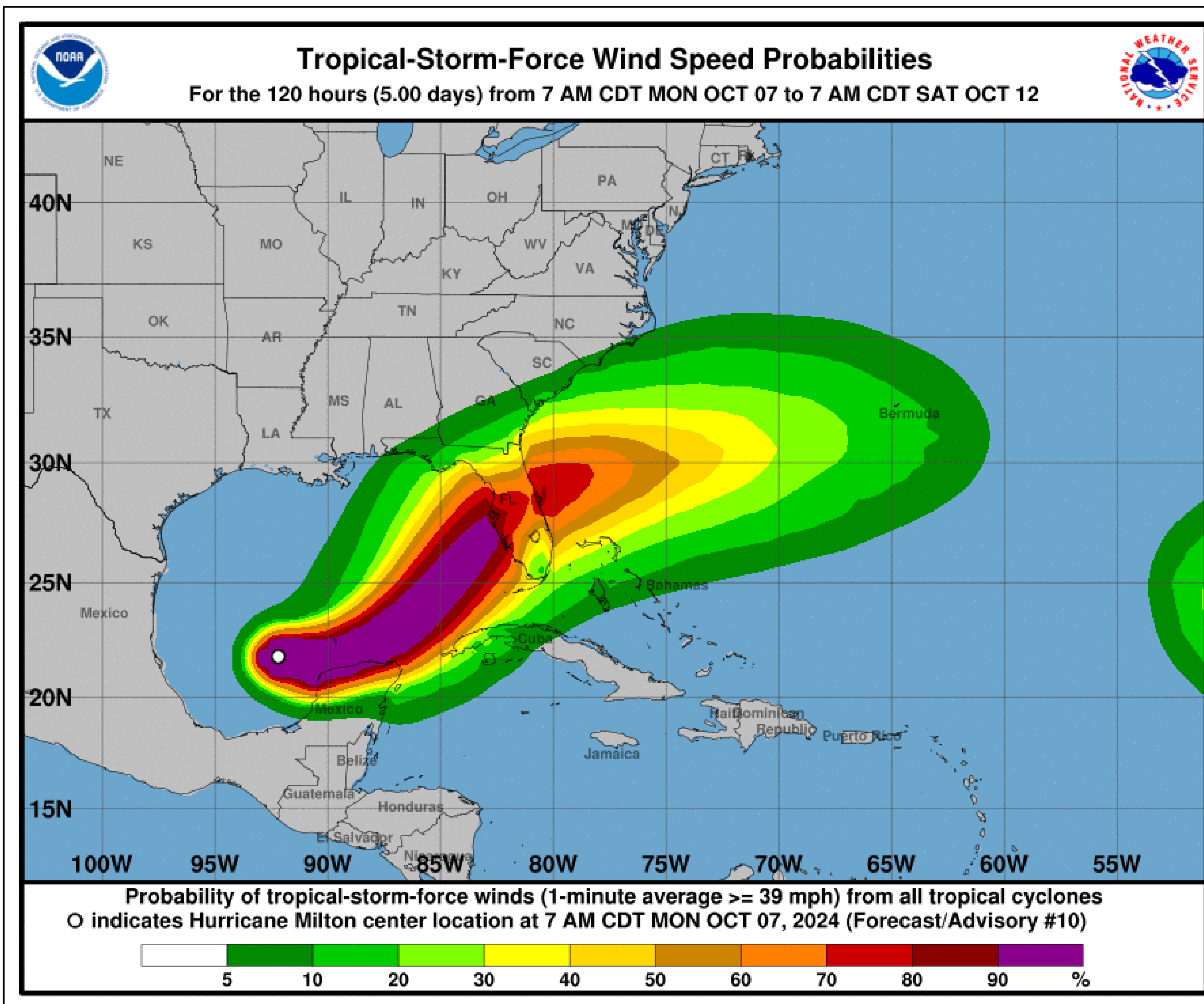


T.S. Wind Speed Probabilities

Hurricane Milton



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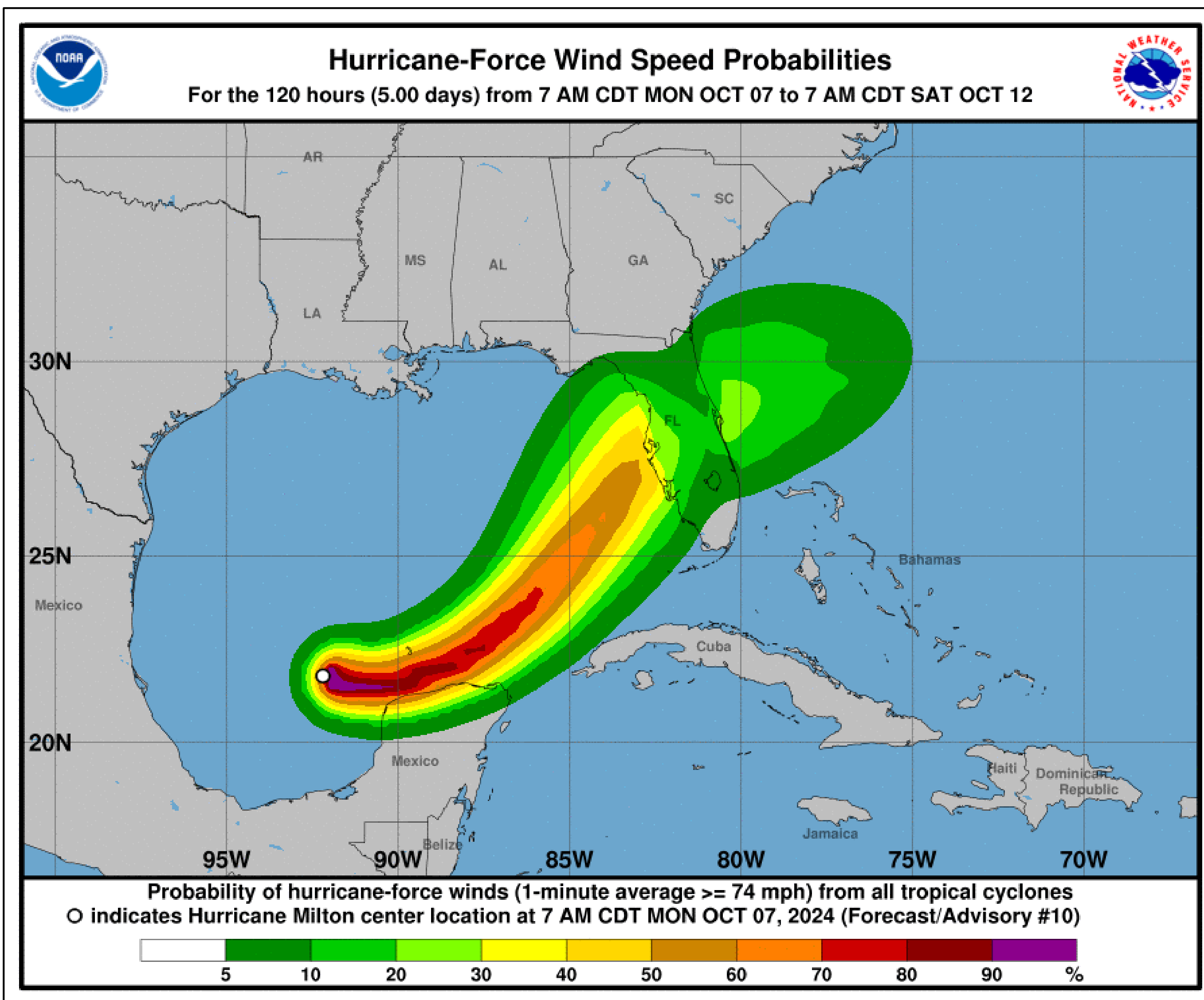
- Cedar Key – 70%
- Tampa – 90%
- Venice – 90%
- Ft Myers – 65%
- Naples – 75%
- Key West – 45%
- Marathon – 35%
- Kings Bay, GA - 45%
- Mayport – 55%
- Jacksonville – 35%
- Daytona – 65%
- Cocoa Beach – 80%
- Patrick AFB – 80%
- Ft. Pierce – 70%
- West Palm Beach – 55%
- Ft Lauderdale – 45%
- Miami – 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%

Hurricane Wind Speed Probabilities

Hurricane Milton



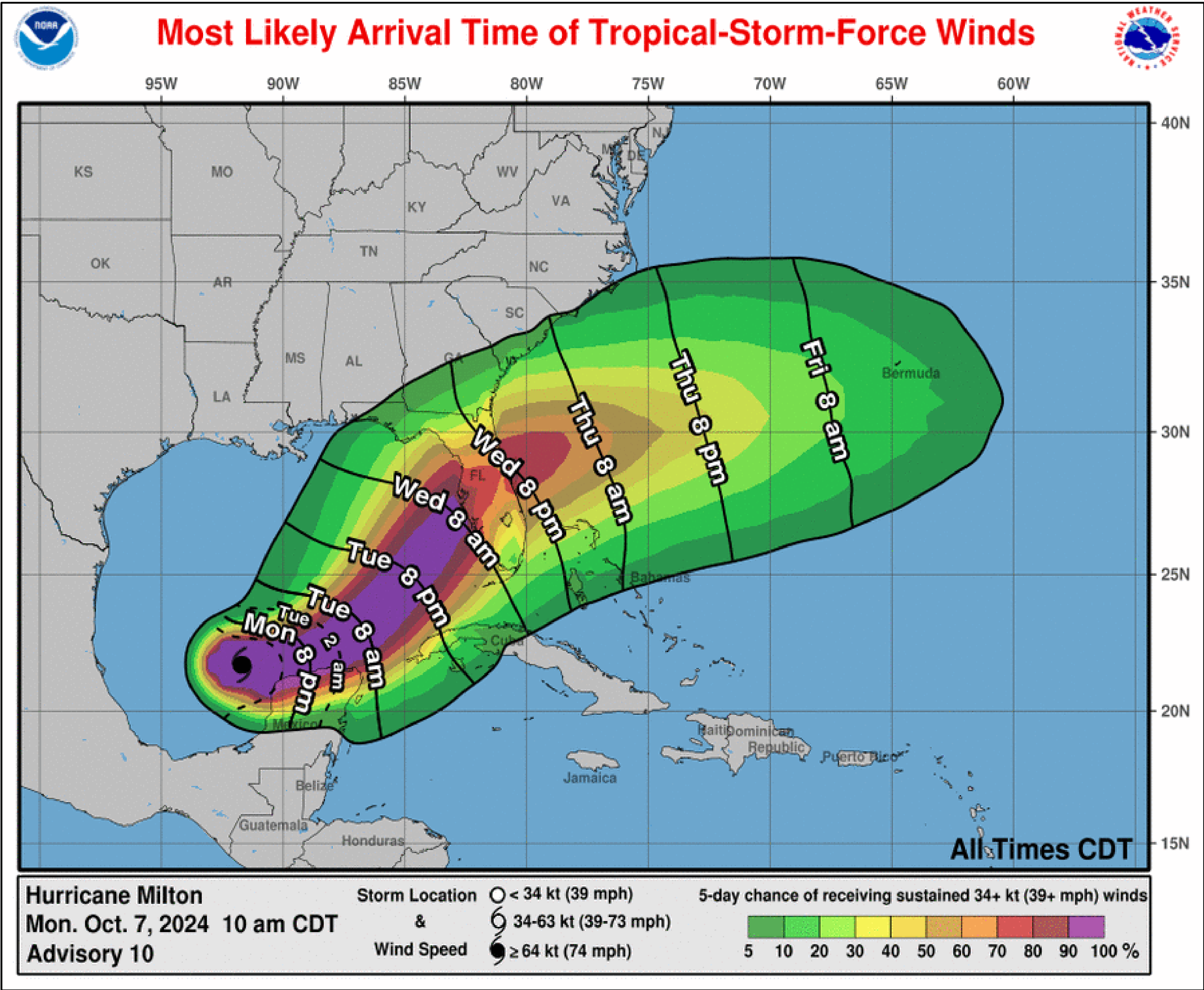
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- Cedar Key – 25%
 - Tampa – 45%
 - Venice – 45%
 - Ft. Myers – 15%
 - Naples – 15%
 - Cocoa Beach – 25%
 - Patrick AFB – 25%
 - Ft. Pierce – 15%
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's 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



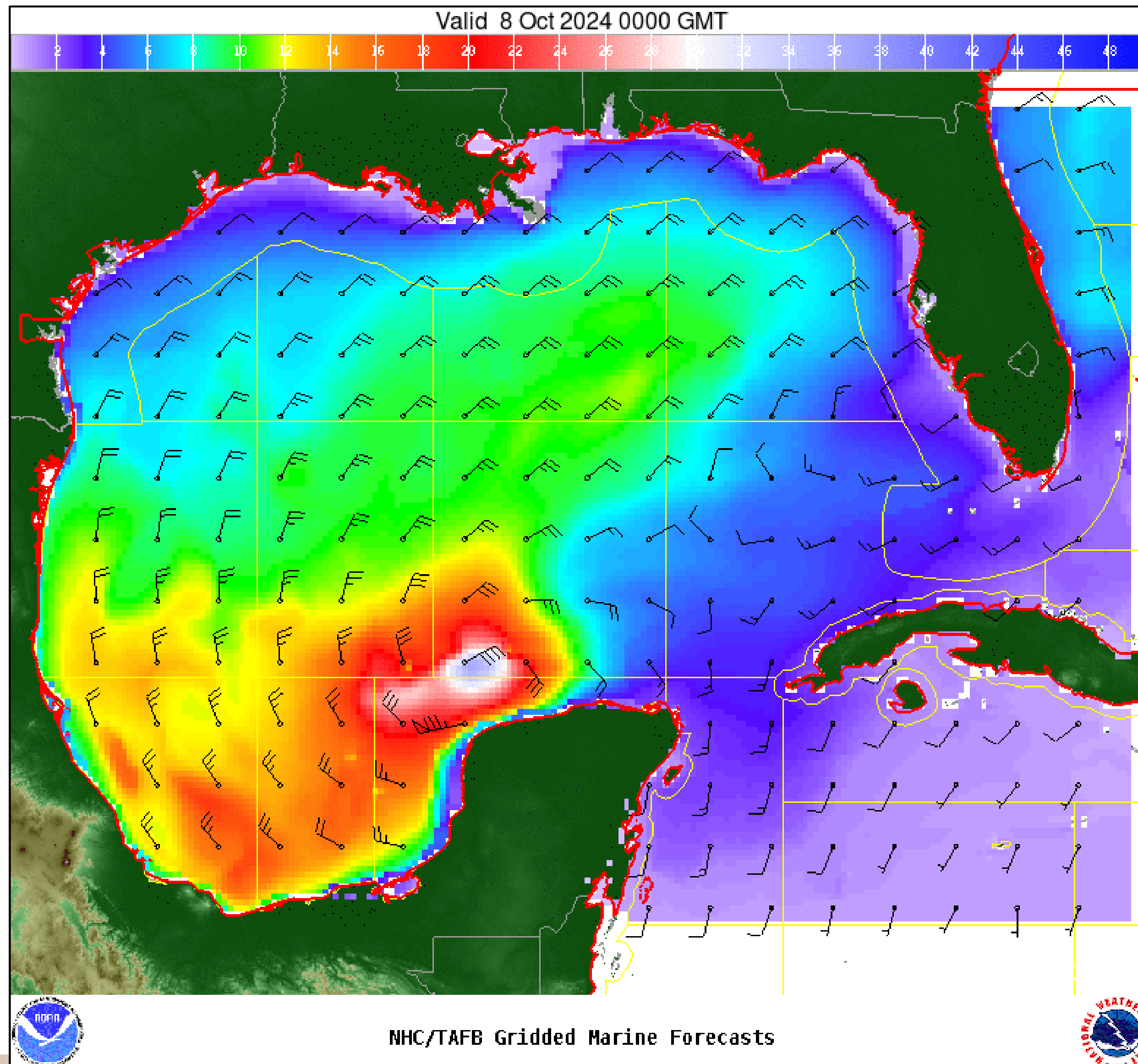
- SW Florida – Wednesday morning
- NE Florida – Wednesday evening
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through 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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Short Term Forecast Conditions

8pm EDT, Monday, October 7th

Peak Winds: 145 kt

Peak Seas: 30 ft

- Wave heights are in feet



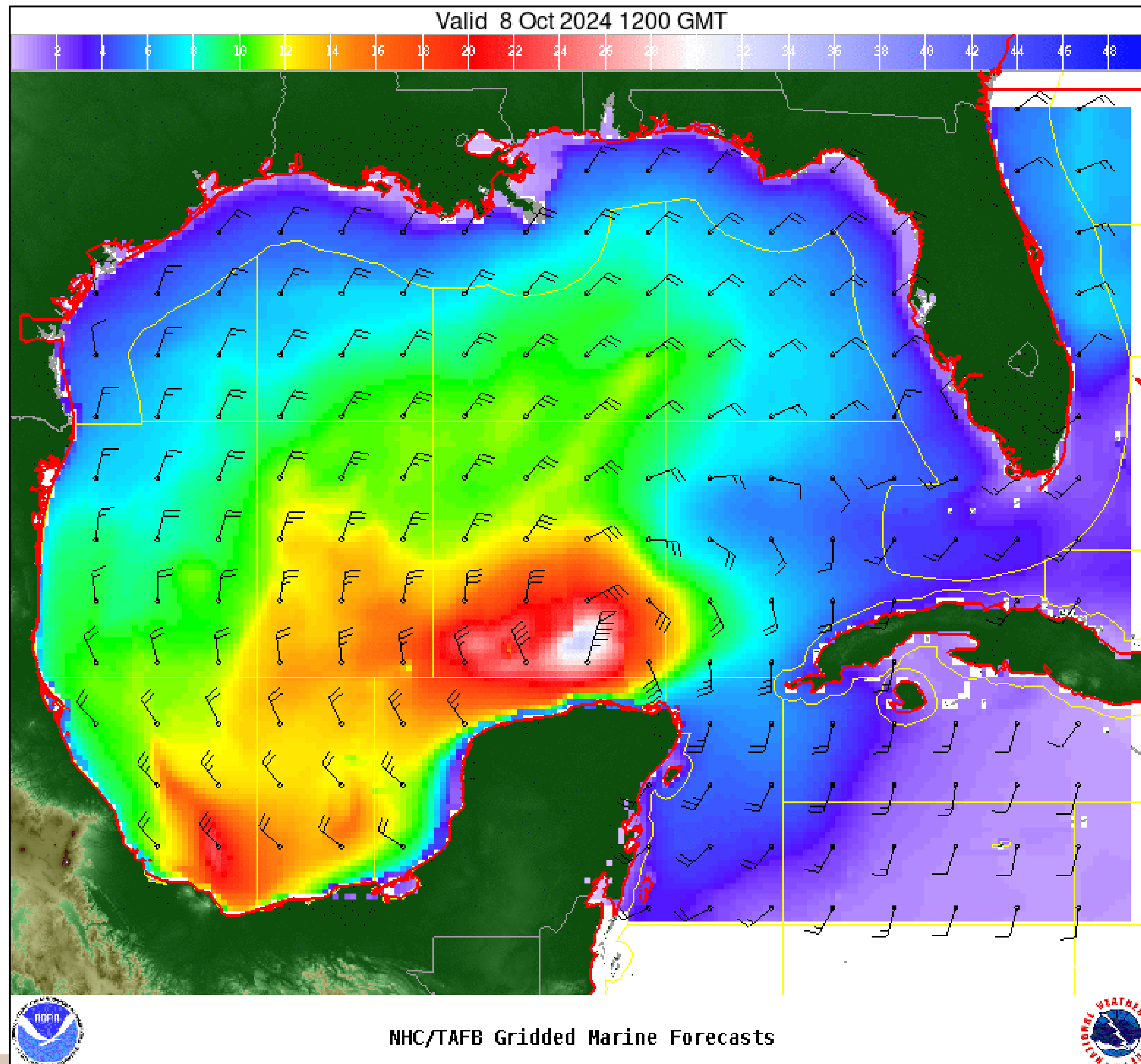
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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NWS National Hurricane Center



18 Hour Forecast

8am EDT Tuesday, October 8th

Peak Winds: 140 kt

Peak Seas: 20 ft

- Wave heights are in feet



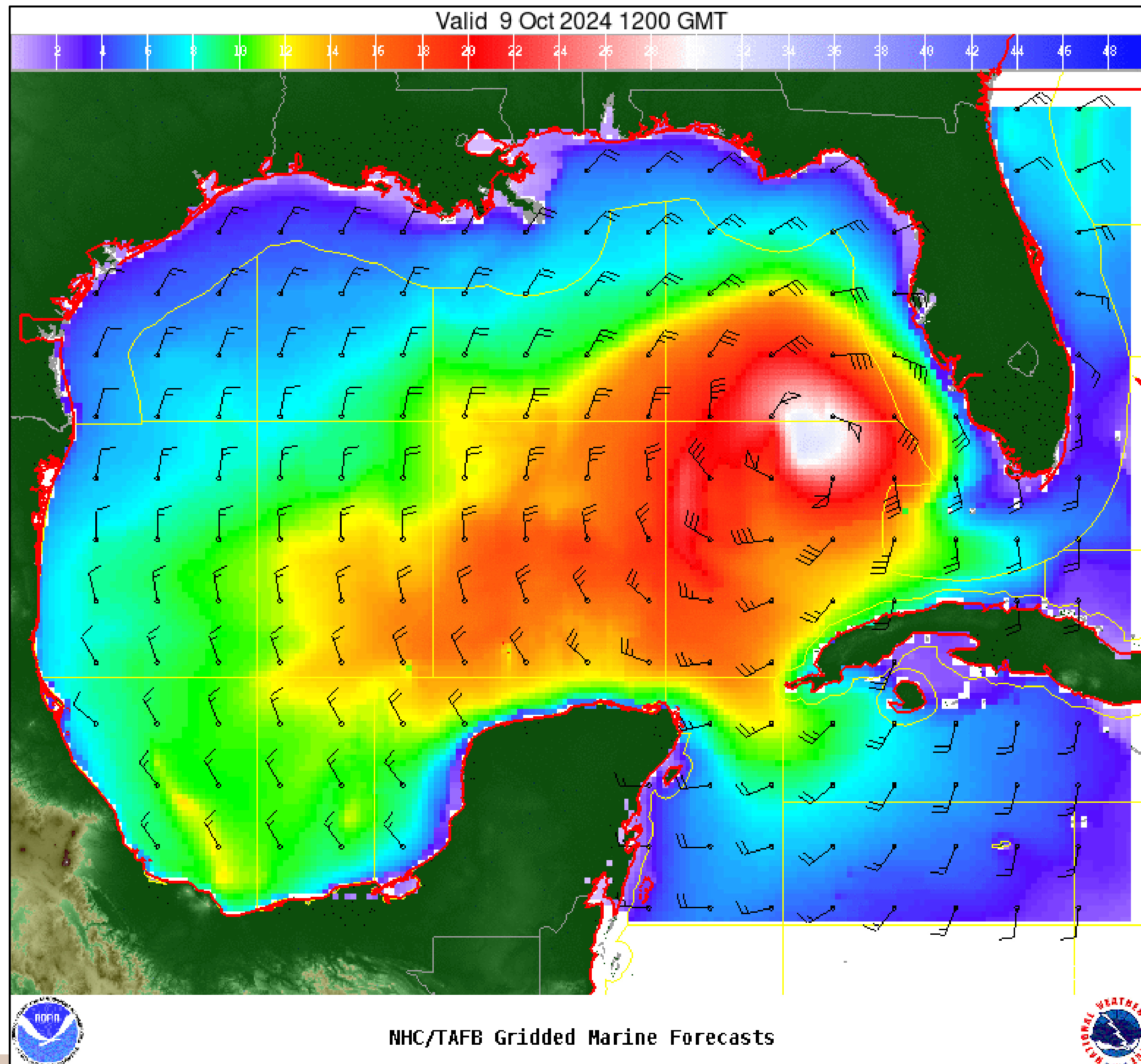
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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42 Hour Forecast

8am EDT Wednesday October 9th

Peak Winds: 125 kt

Peak Seas: 44 ft

- Wave heights are in feet



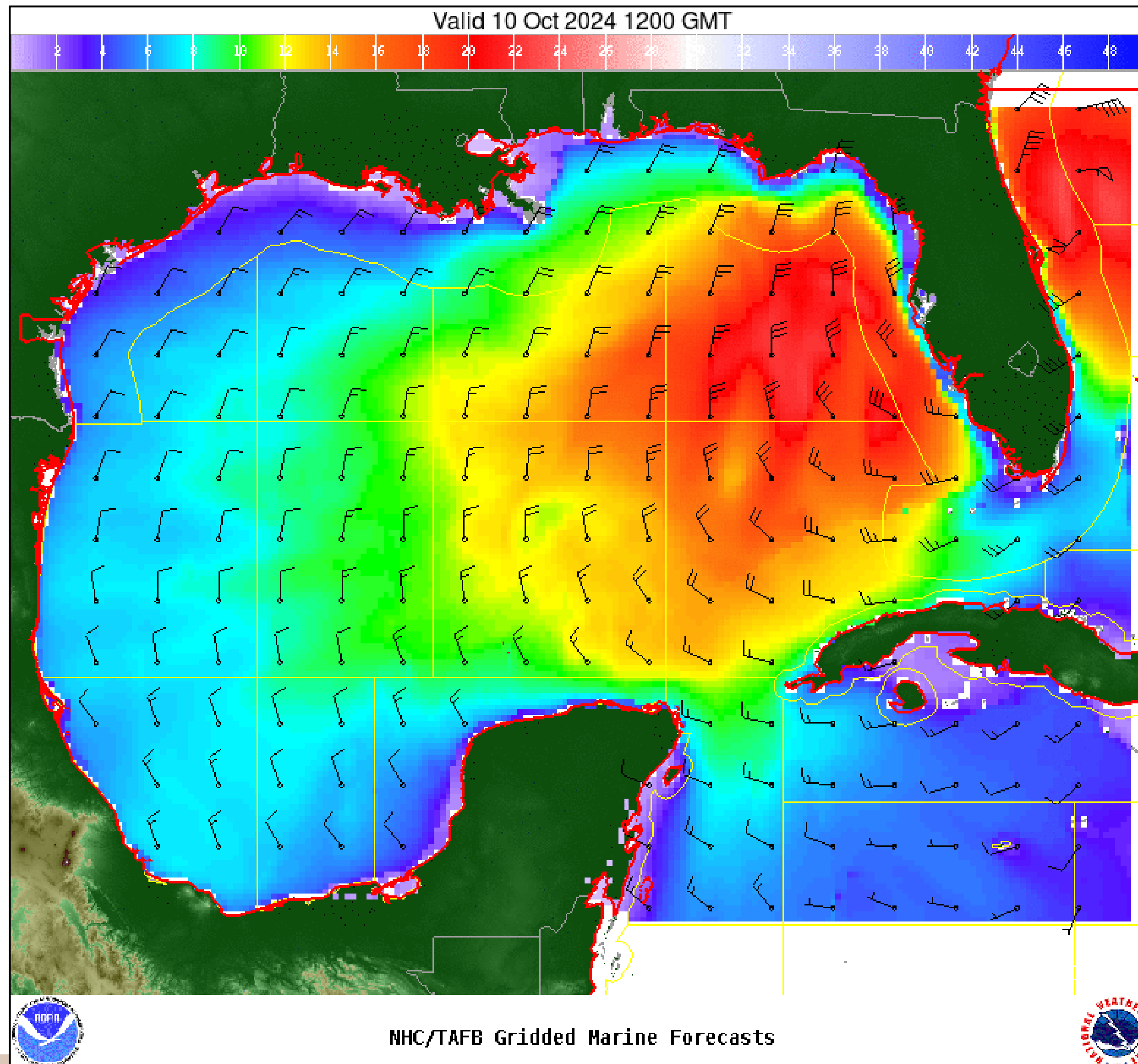
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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66 Hour Forecast

8am EDT Thursday October 10th

Peak Winds: 30 kt (Gulf)

Peak Seas: 22 ft (Gulf)

- Wave heights are in feet



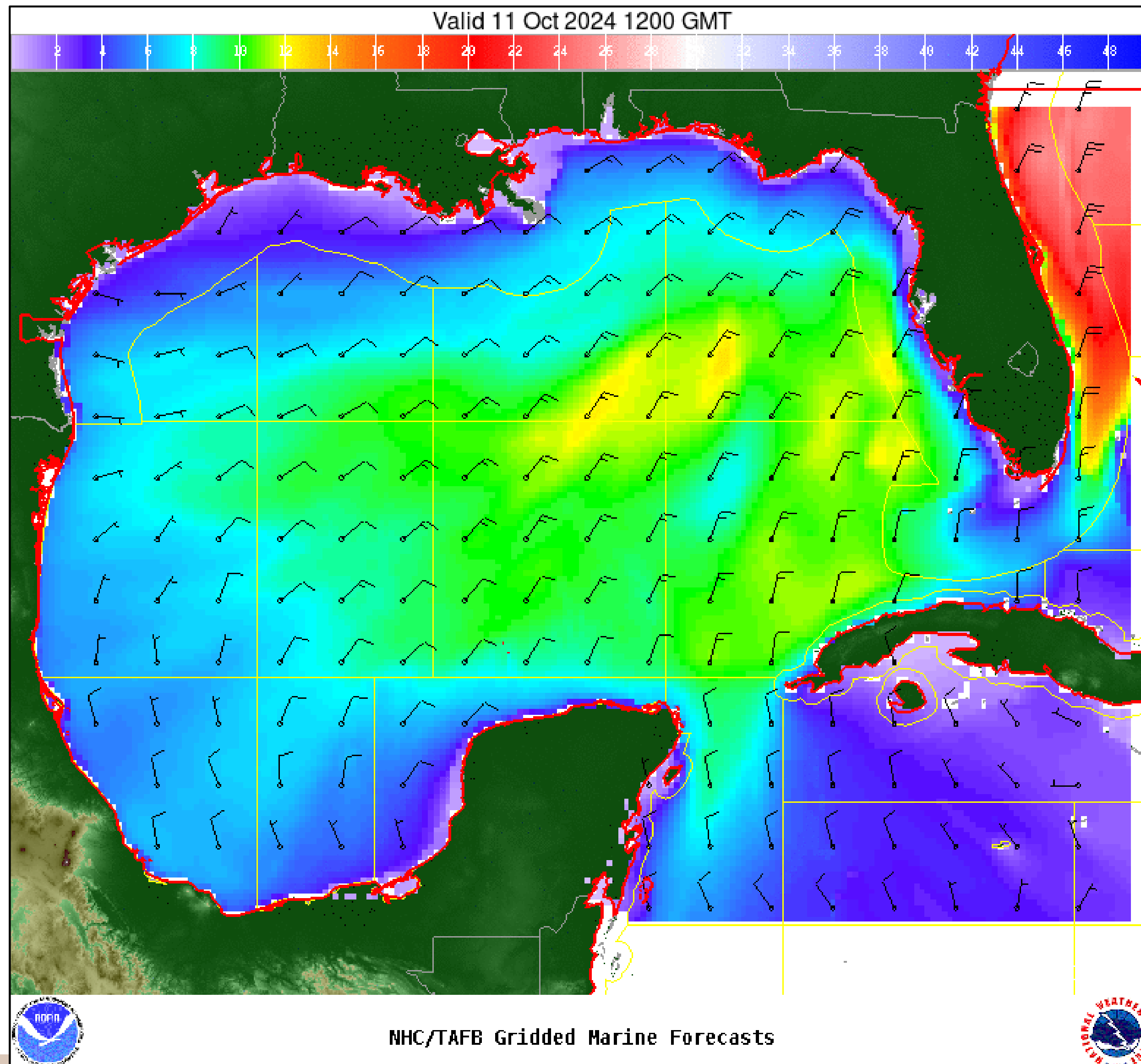
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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90 Hour Forecast

8am EDT Friday, October 11th

Peak Winds: 20 kt (Gulf)

Peak Seas: 12 ft (Gulf)

- Wave heights are in feet



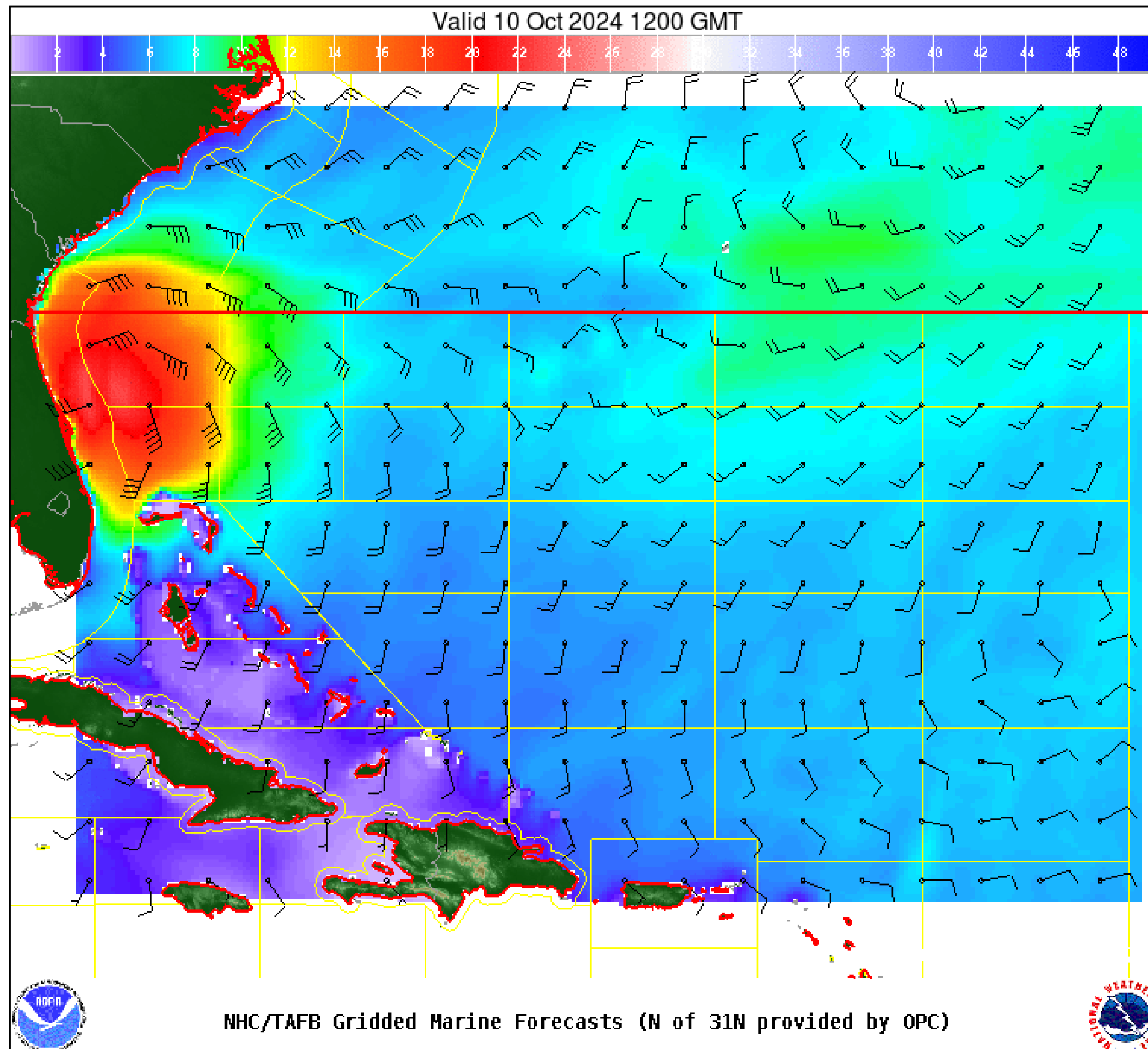
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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66 Hour Forecast

8am EDT Thursday October 10th

Peak Winds: 80 kt

Peak Seas: 23 ft

- Wave heights are in feet



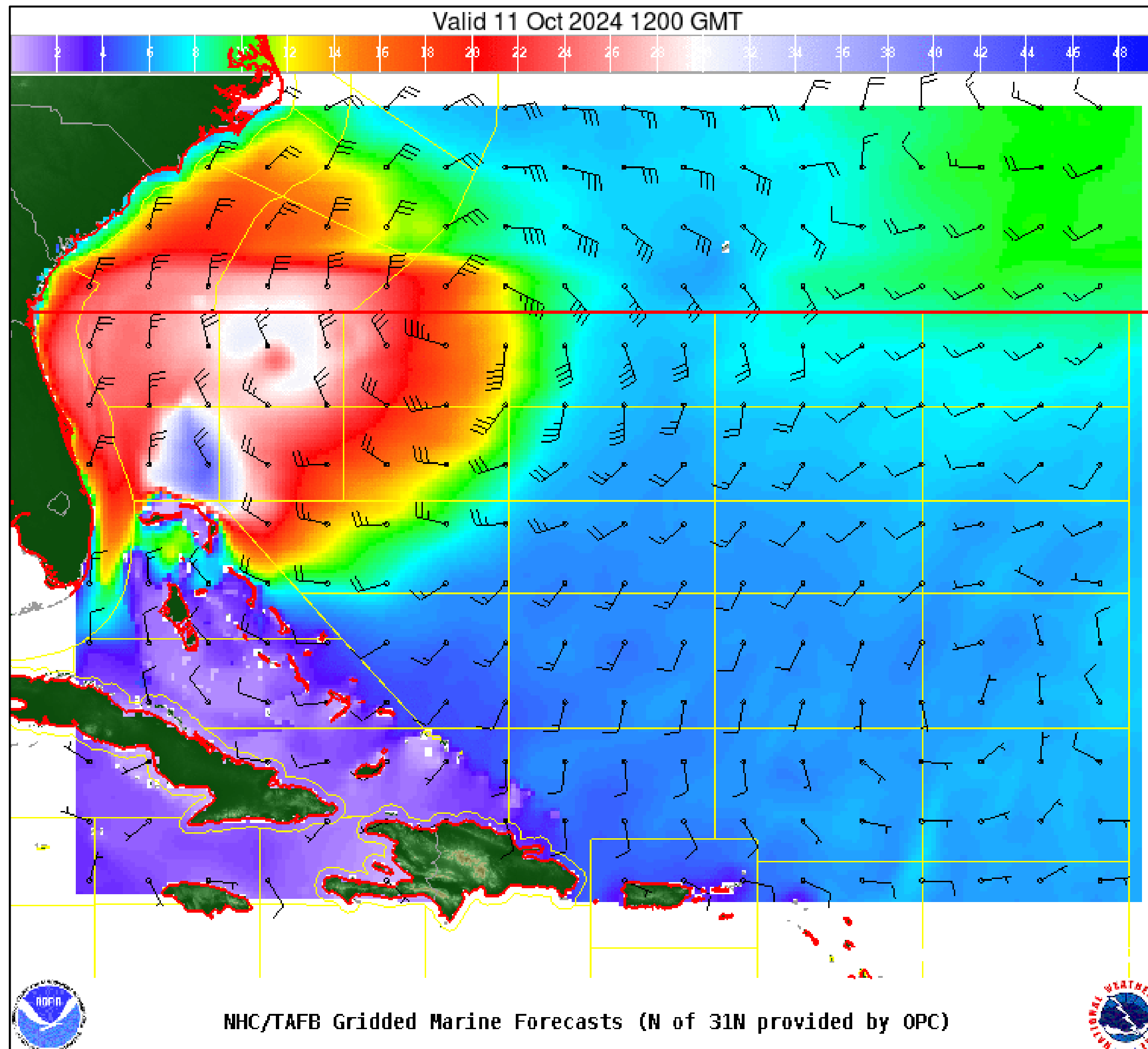
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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90 Hour Forecast

8am EDT Friday, October 11th

Peak Winds: 55 kt

Peak Seas: 42 ft

- Wave heights are in feet



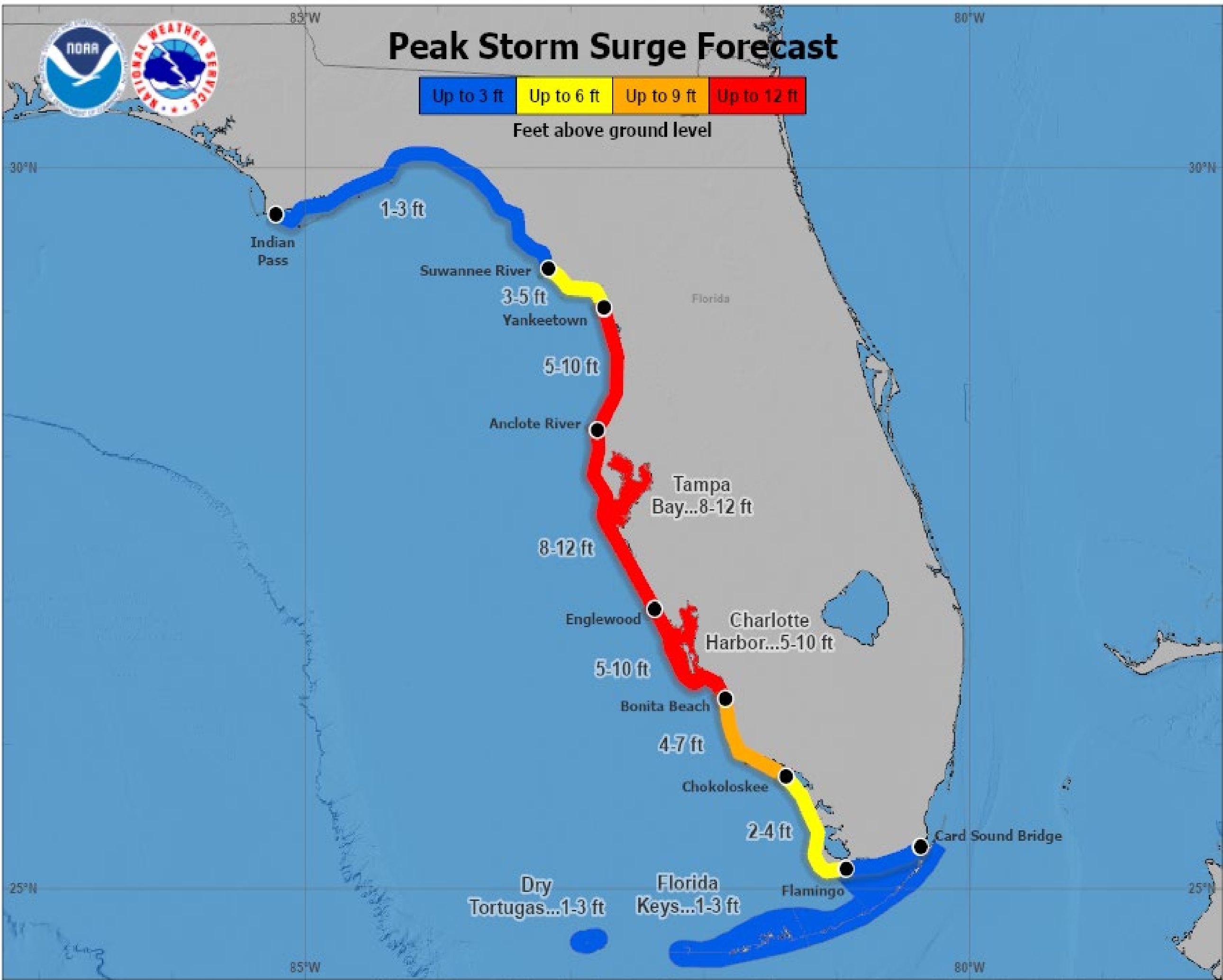
Significant Wave Height (ft)

Potential Storm Surge

Hurricane Milton



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Hurricane Milton
Monday October 07, 2024
10 AM CDT Advisory 10
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.



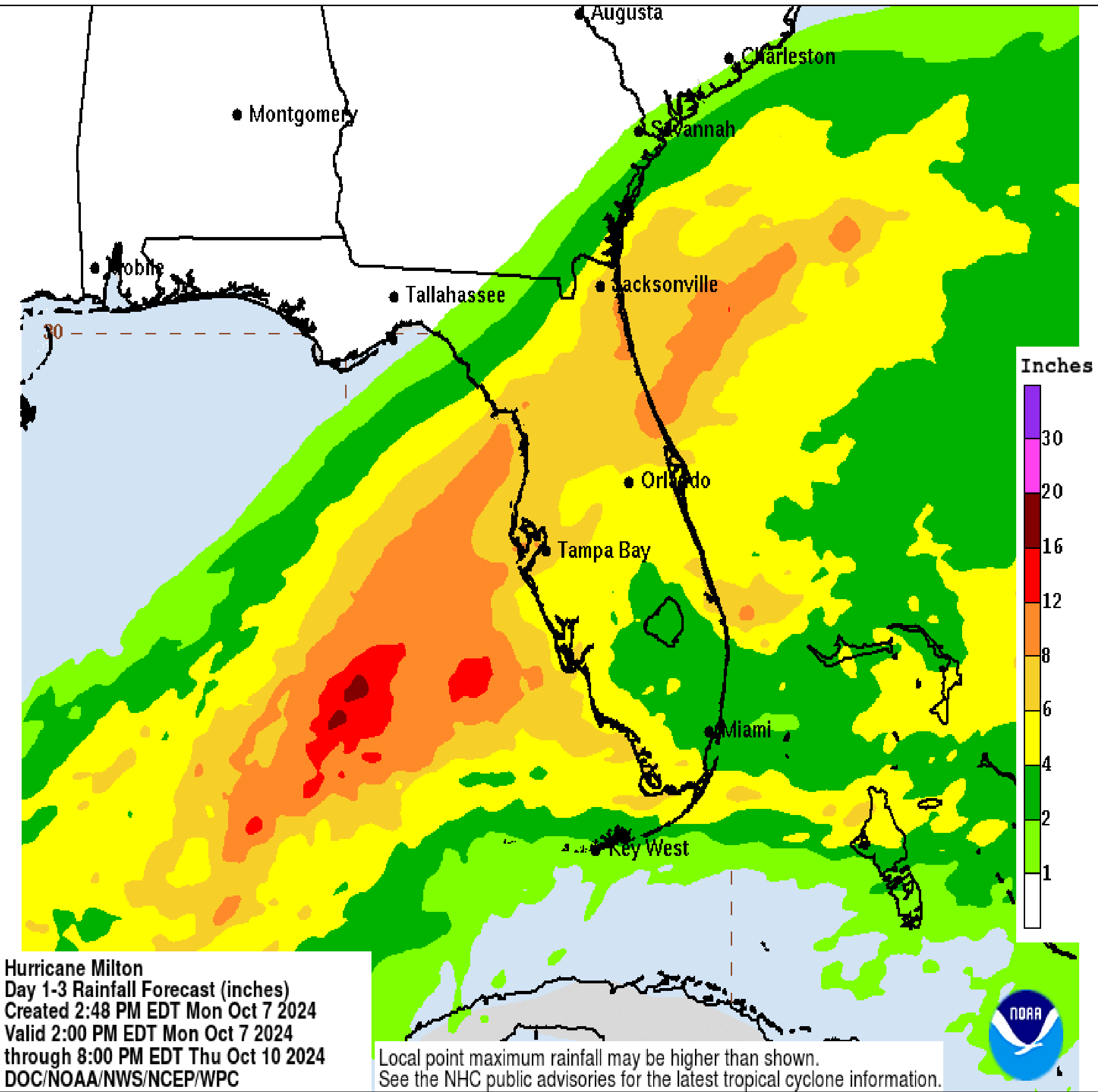
Expected Storm Total Rainfall and Chance of Rainfall Flooding

Hurricane Milton

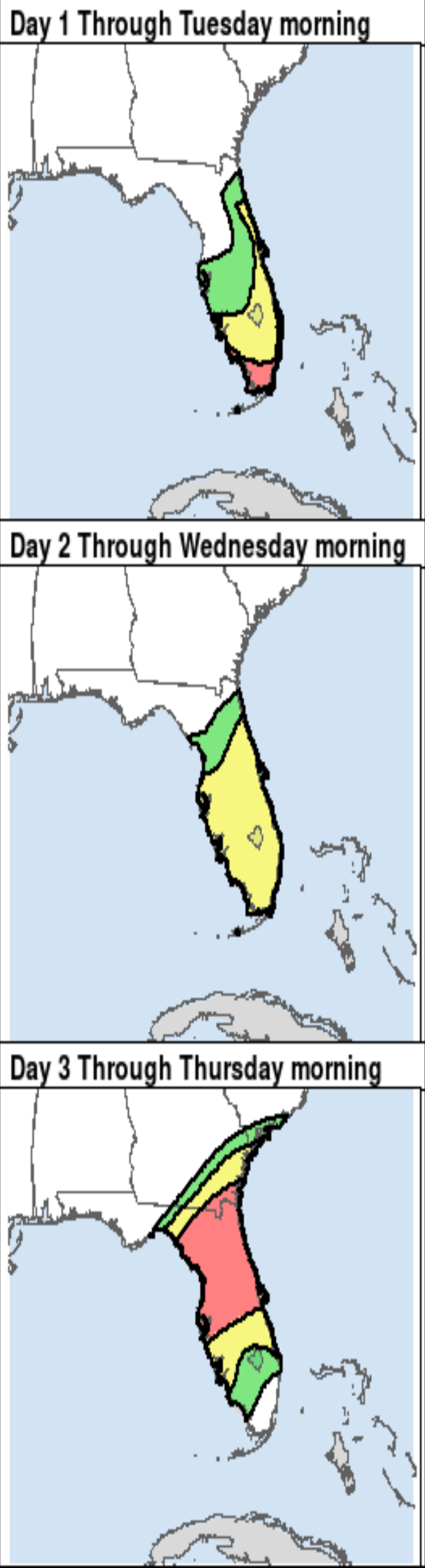
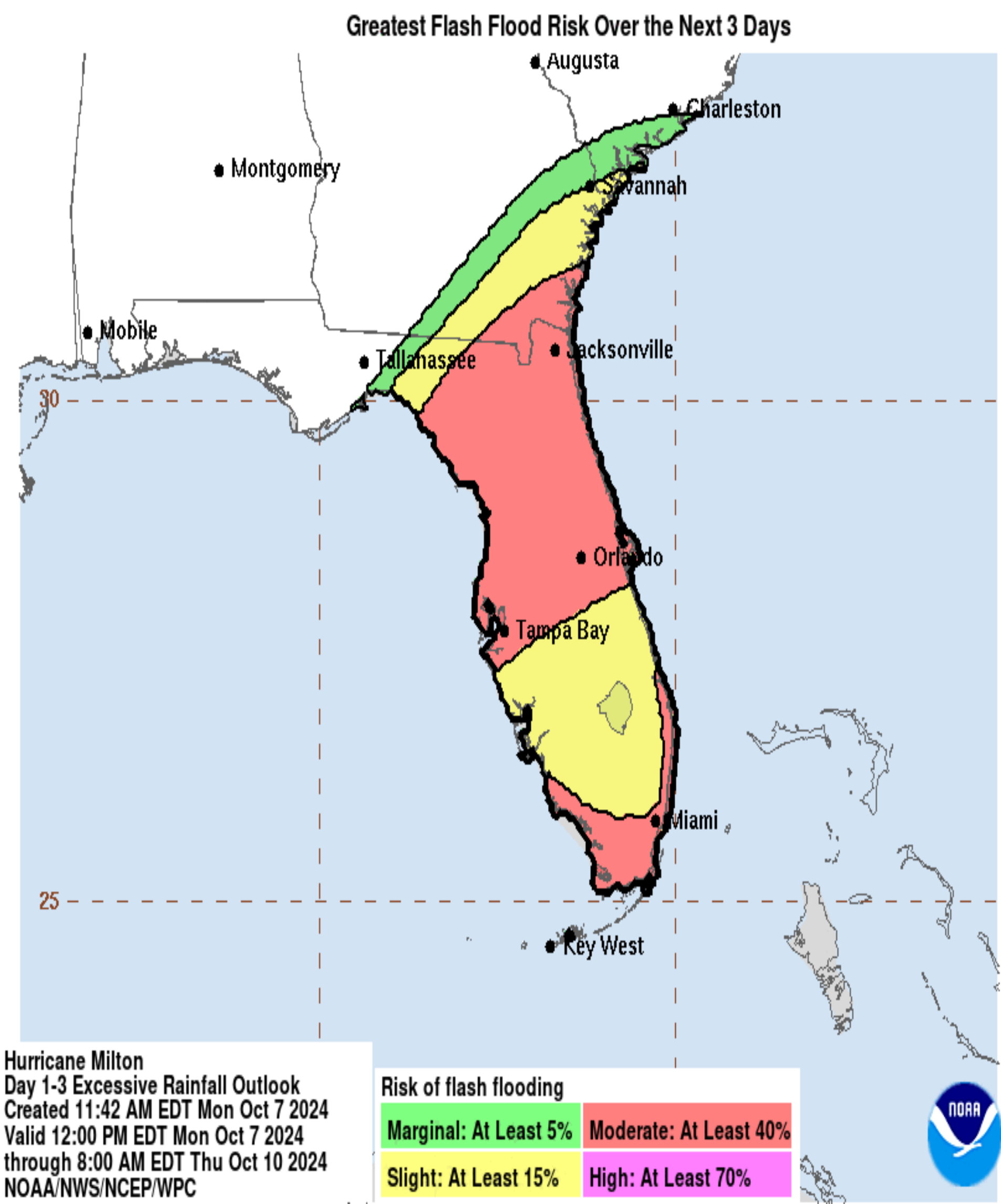
Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



10/7/2024 3:51 PM



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Flood Outlook

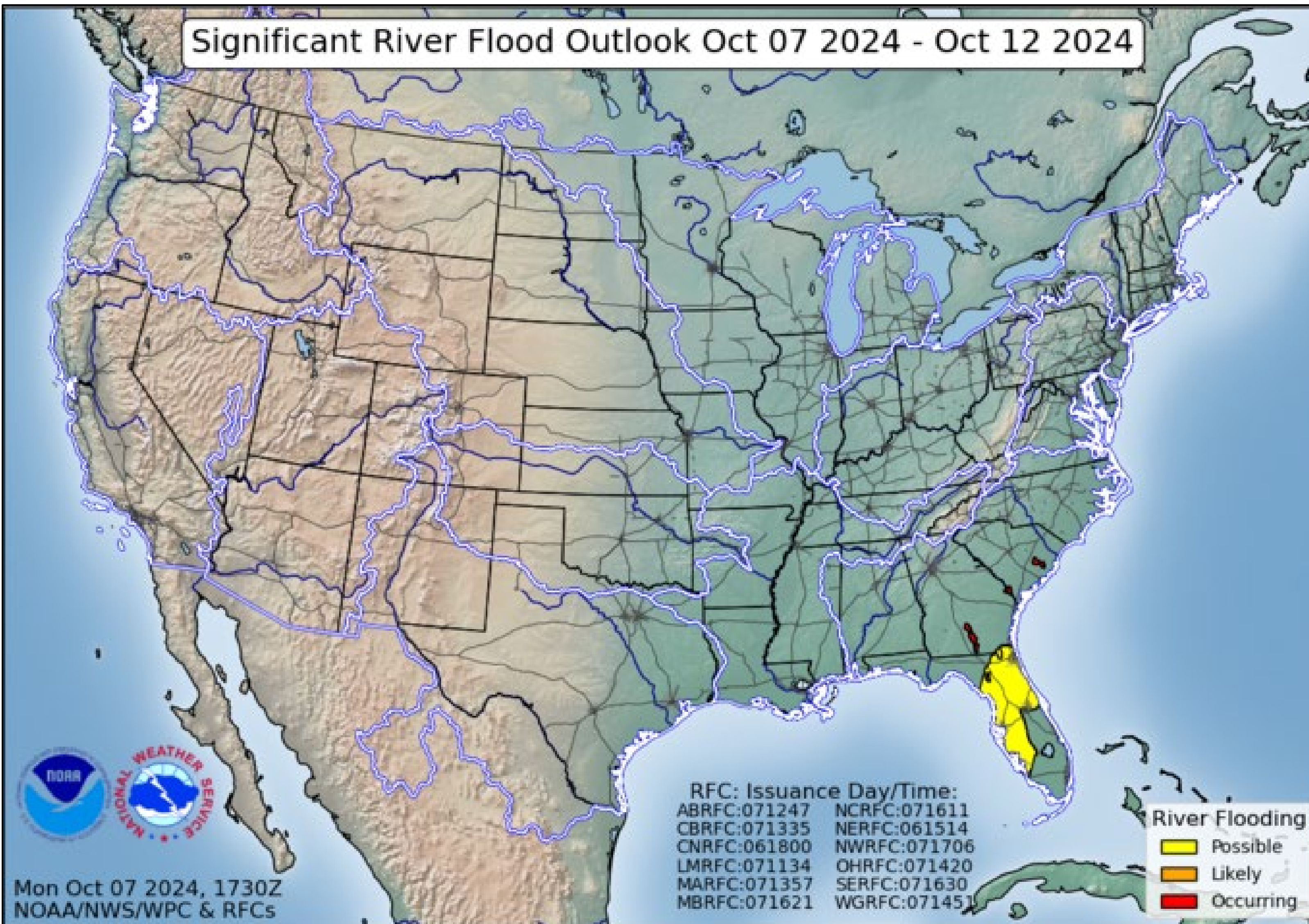
Hurricane Milton



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Significant River Flood Outlook Oct 07 2024 - Oct 12 2024

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



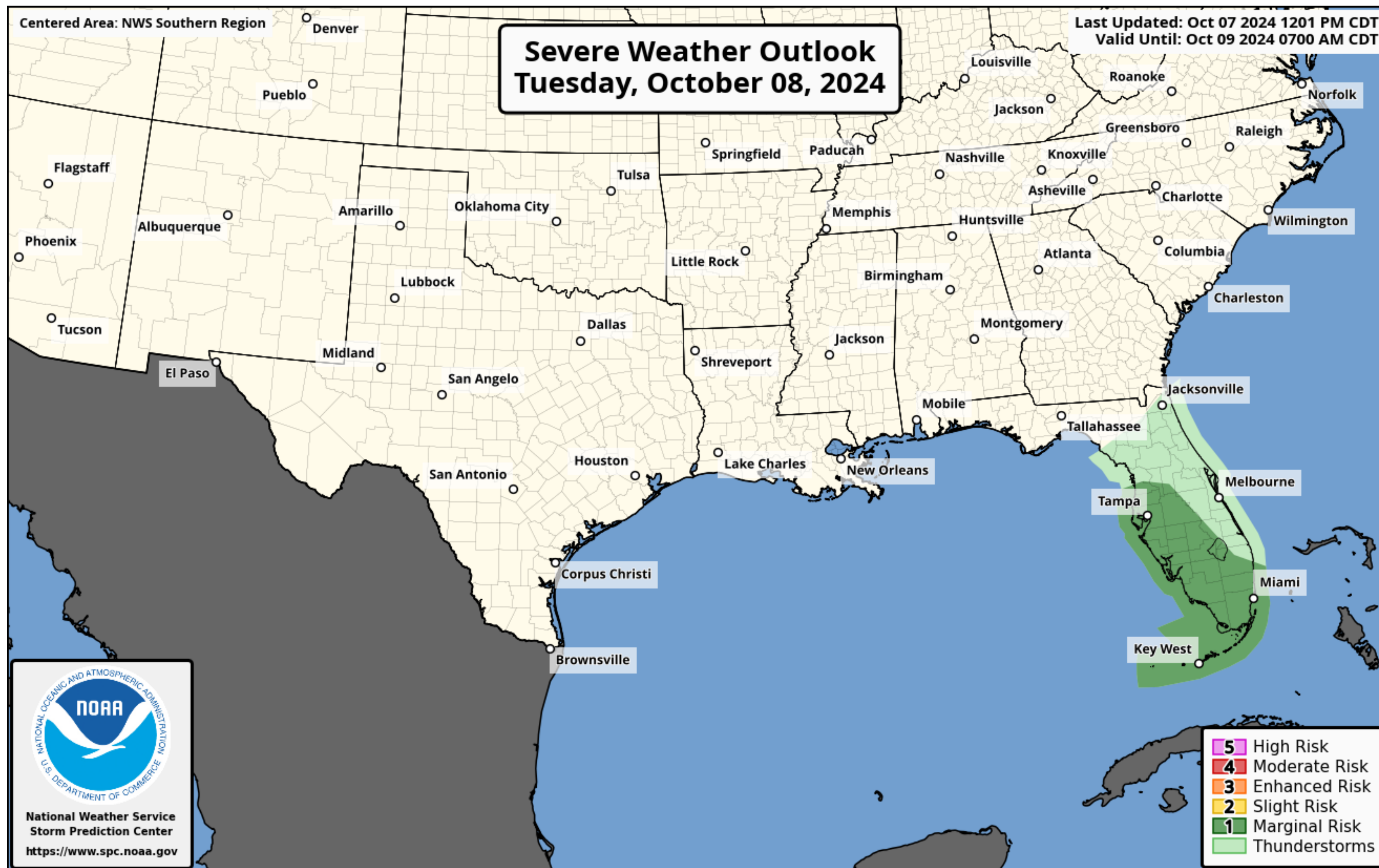
Tornado Outlook – Day 2

Hurricane Milton

Image from NWS Storm Prediction Center



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NWS National Hurricane Center



Key Messages

Hurricane Milton

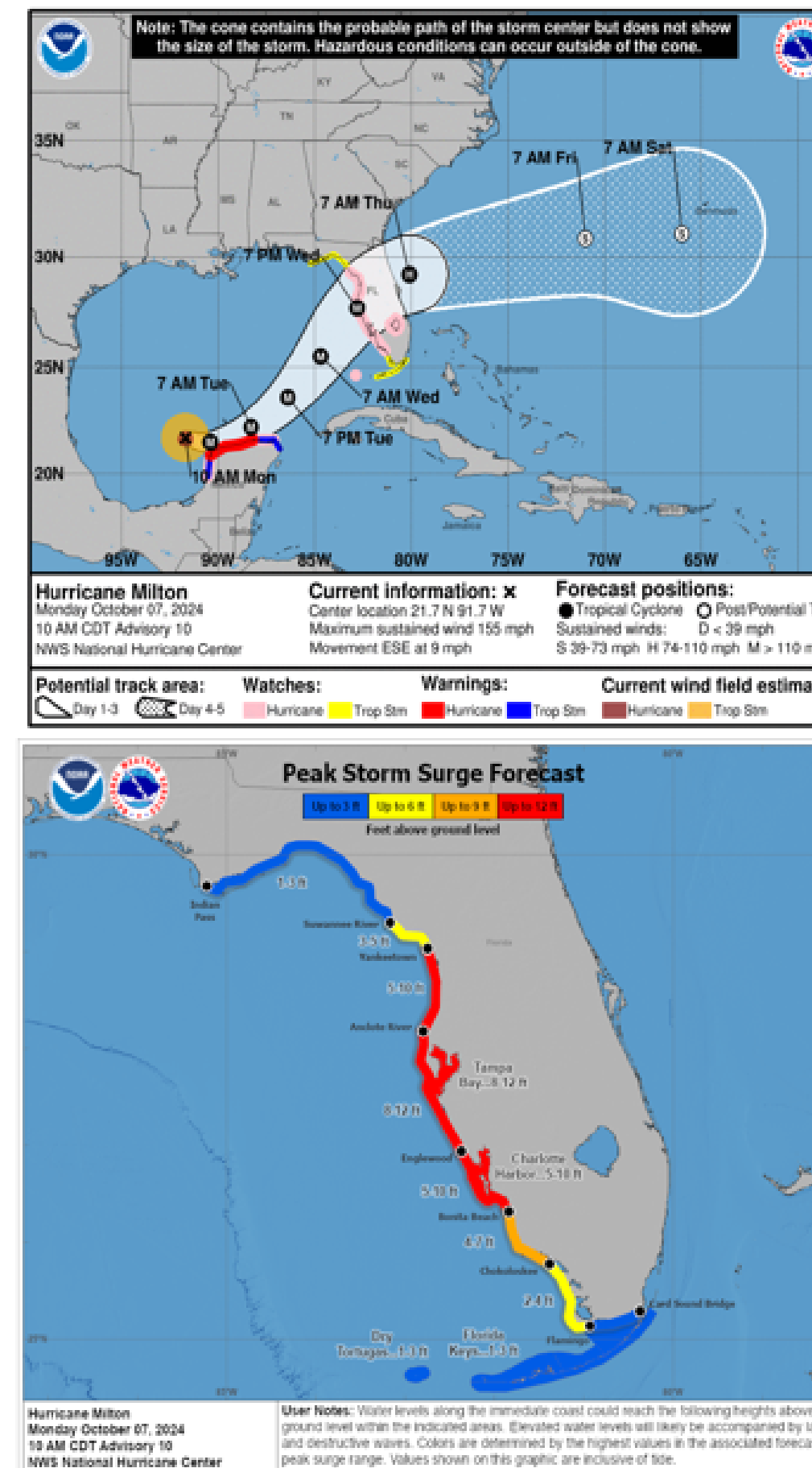


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Key Messages for Hurricane Milton

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

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 -

High

US Tornadoes -

Low

- **Marine Key Messages:**
- Dangerous seas will expand across the central and eastern Gulf of Mexico by late Tuesday
- Peak seas 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:
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TIME of NEXT NHC Advisory:
5 PM EDT

The Next Briefing Will Be:
Tue 9:00 AM EDT

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



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