

IMPACTS FOR D7

Winds/US Coast – Extreme

Winds/SRR – Extreme

Waves/US Coastal – High

Waves/SRR – Extreme

through next 5 days

US Storm Surge – High

US Rainfall/Flash Flooding – High

US Tornadoes – Unknown at this time

HURRICANE MILTON BRIEFING



9:00 AM EDT
Sunday, October 6, 2024

Prepared by:
Eric Christensen

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

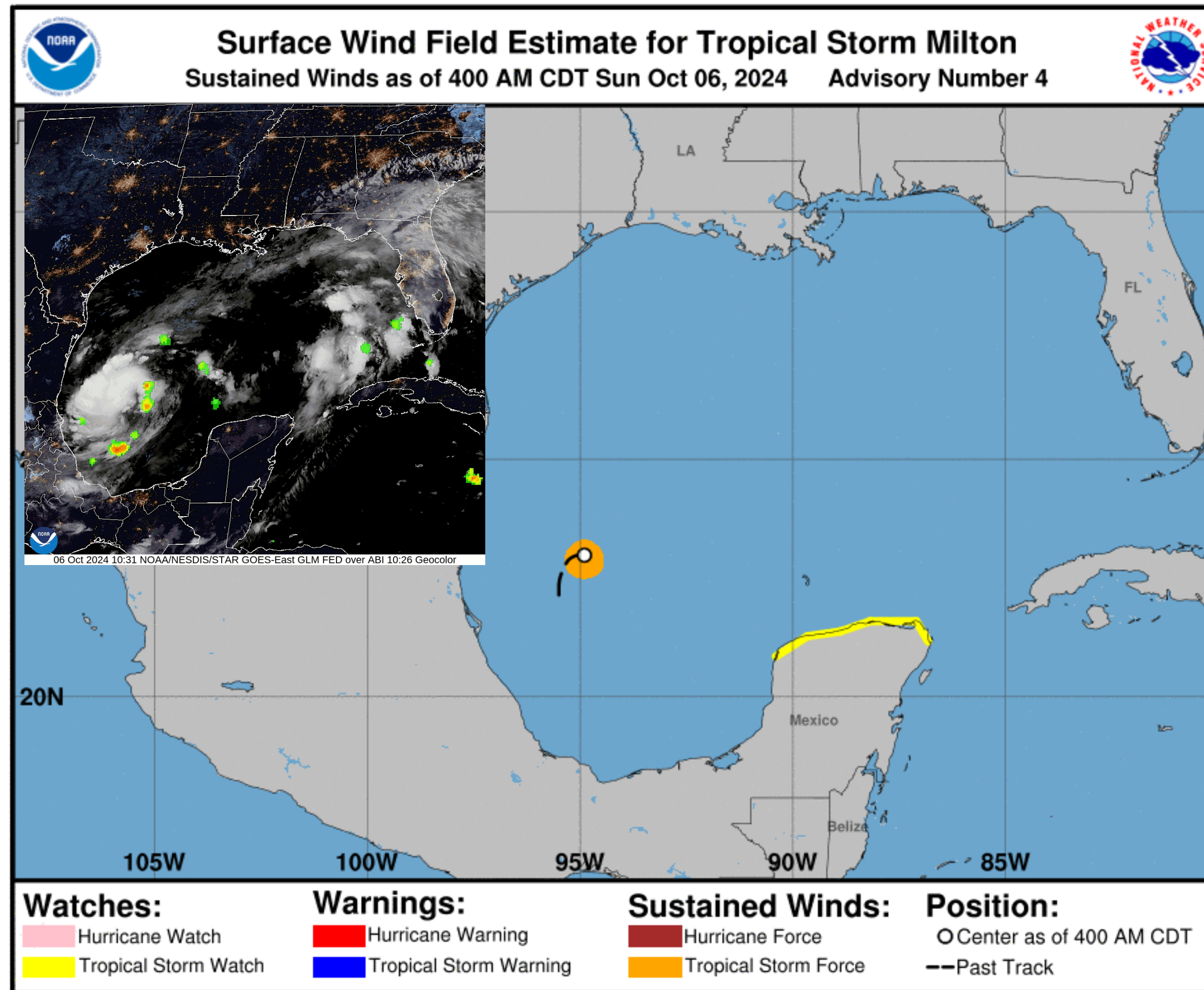
www.nhc.noaa.gov

Situation Overview

Hurricane Milton



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NWS National Hurricane Center



...MILTON IS GETTING BETTER ORGANIZED...

...RELATIVELY SMALL STORM...

SUMMARY OF 700 AM CDT...1200
UTC...INFORMATION

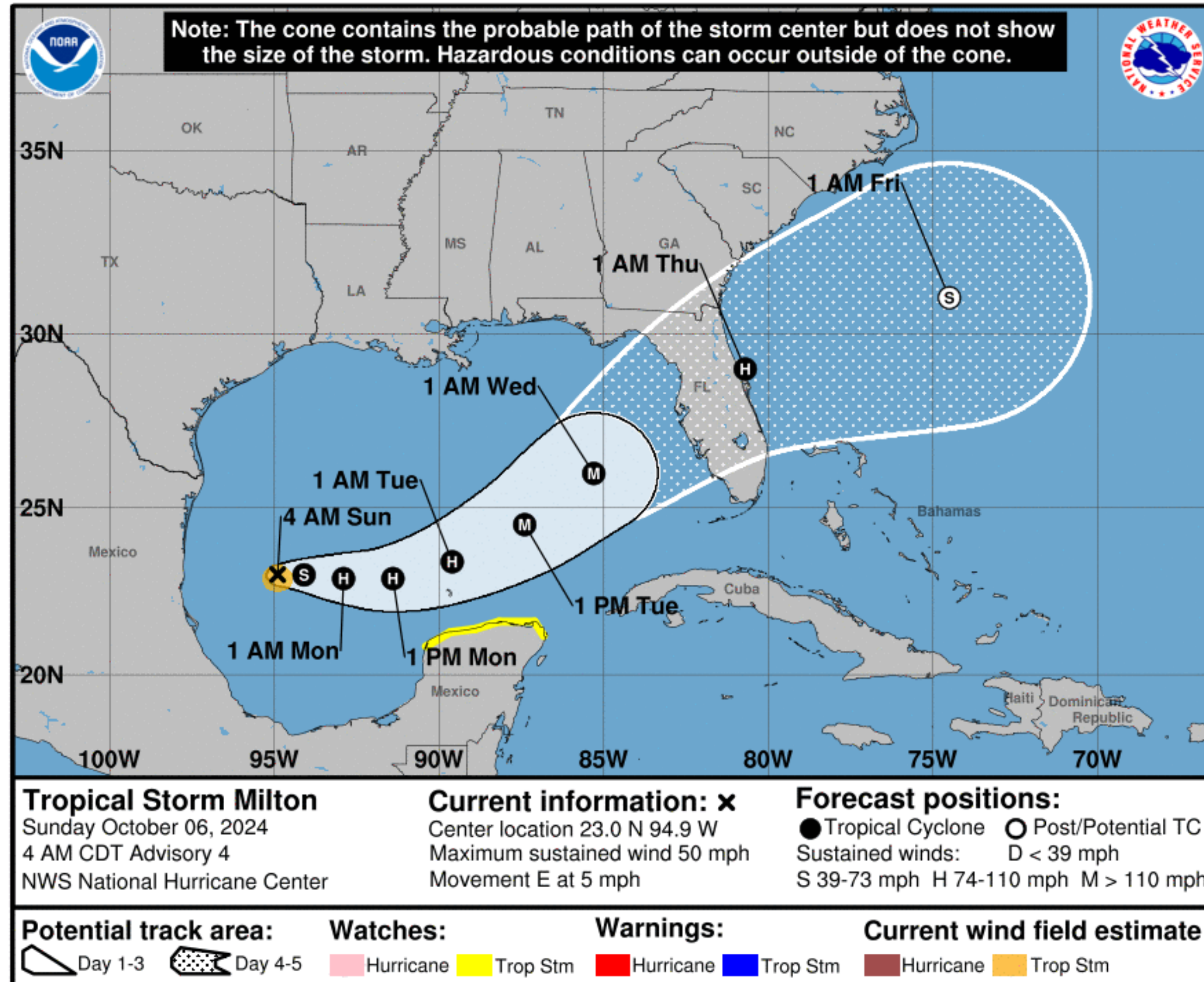
LOCATION...22.6N 94.9W
ABOUT 490 NM WNW OF PROGRESO MEXICO
ABOUT 1200 NM WSW OF TAMPA FLORIDA
MAXIMUM SUSTAINED WINDS...50 KT
PRESENT MOVEMENT...E OR 90 DEGREES AT 3 KT
MINIMUM CENTRAL PRESSURE...991 MB

Forecast Information

Hurricane Milton



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enclosed by the cone.

- ...MILTON FORECASTED TO REACH MAJOR HURRICANE STATUS TUESDAY...
- ...RISK OF LIFE-THREATENING IMPACTS INCREASING FOR PORTIONS OF THE FLORIDA WEST COAST...
- 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

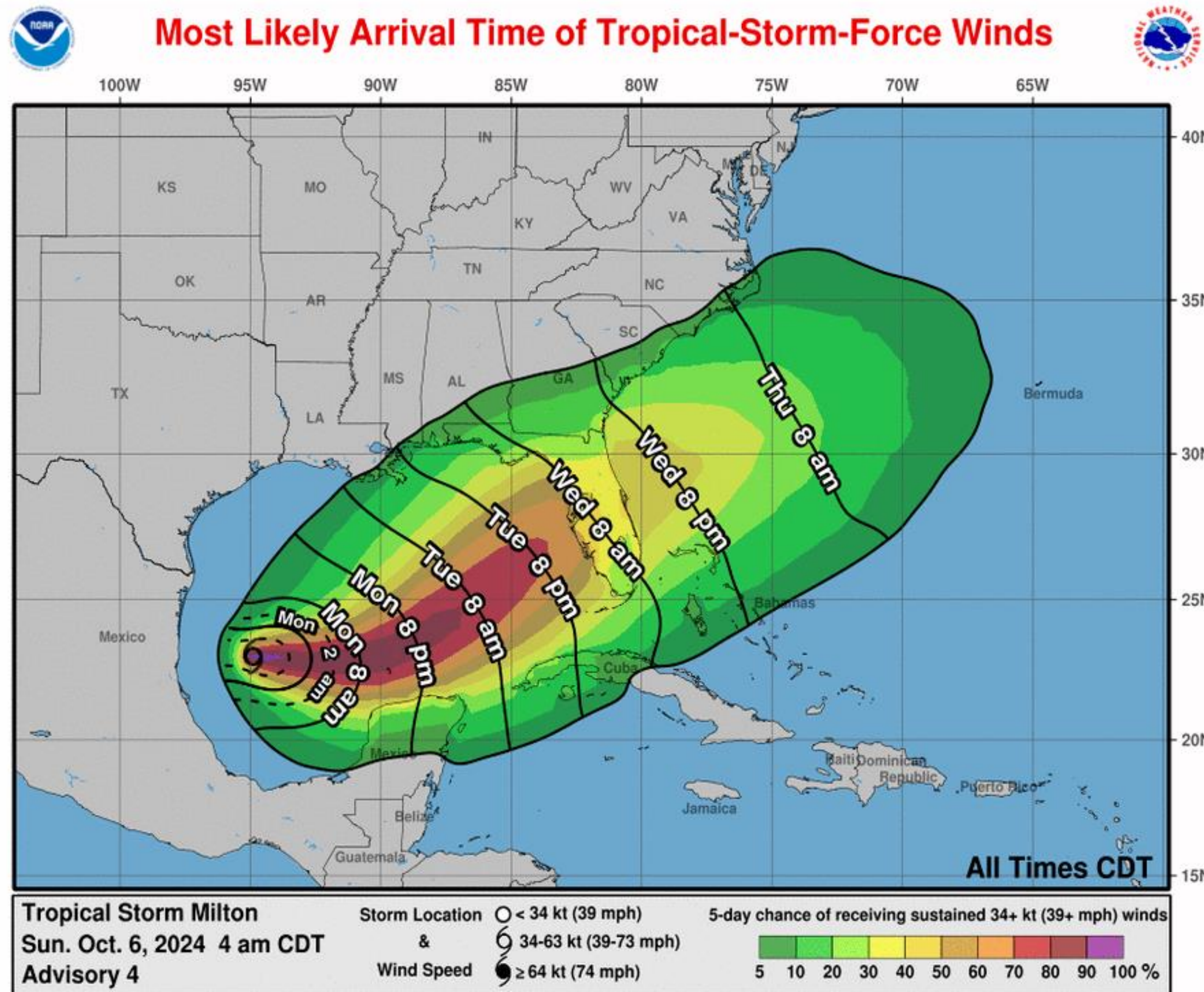
** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

T.S. Wind Speed Probabilities

Hurricane Milton



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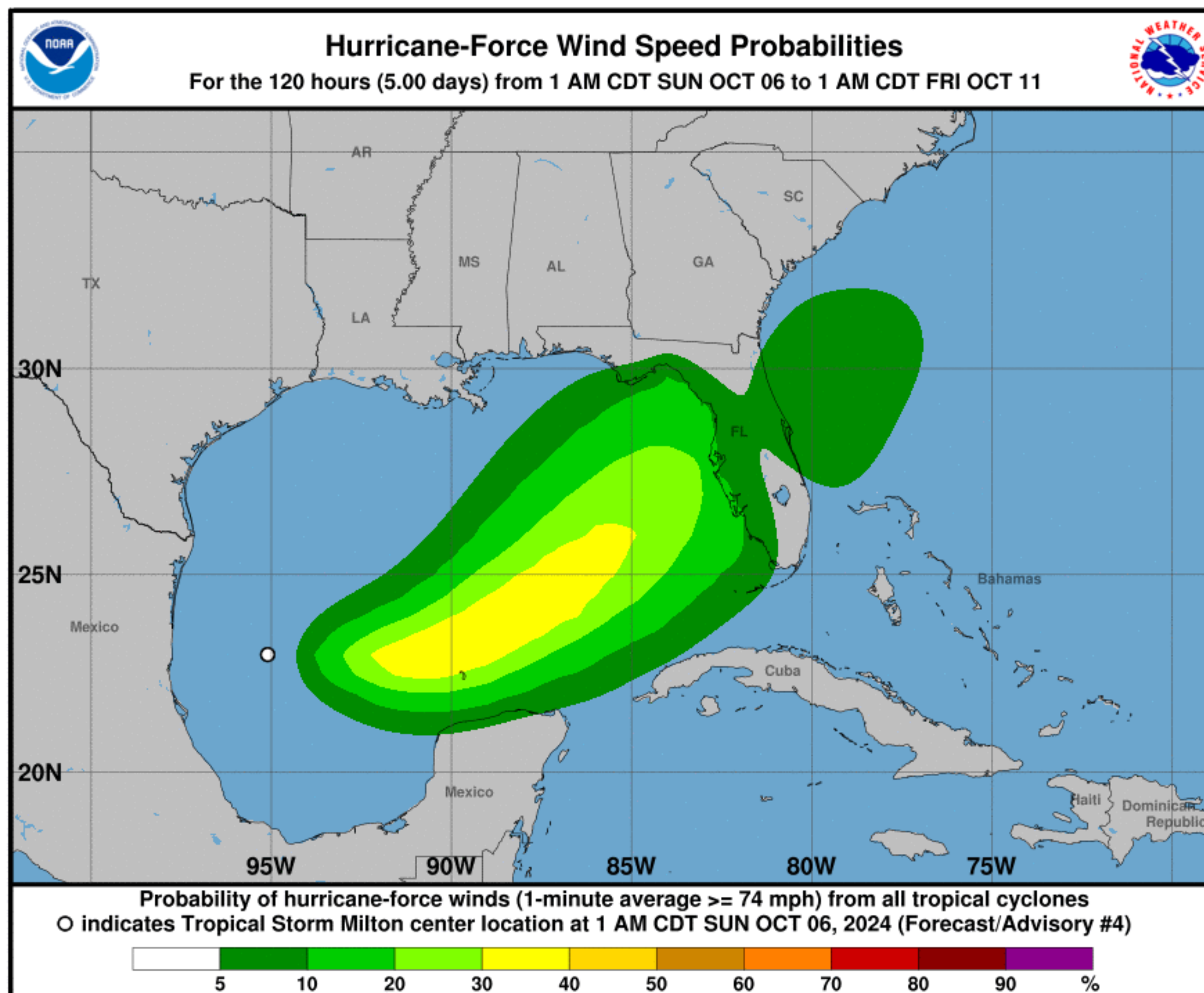
- TAMPA – 72%
 - VENICE – 72%
 - CEDAR KEY – 59%
 - FORT MYERS – 44%
 - COCOA BEACH – 58%
 - FORT PIERCE – 51%
 - MAYPORT NS – 38%
 - FORT LAUDERDALE – 34%
 - JACKSONVILLE – 28%
 - MIAMI – 18%
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this 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



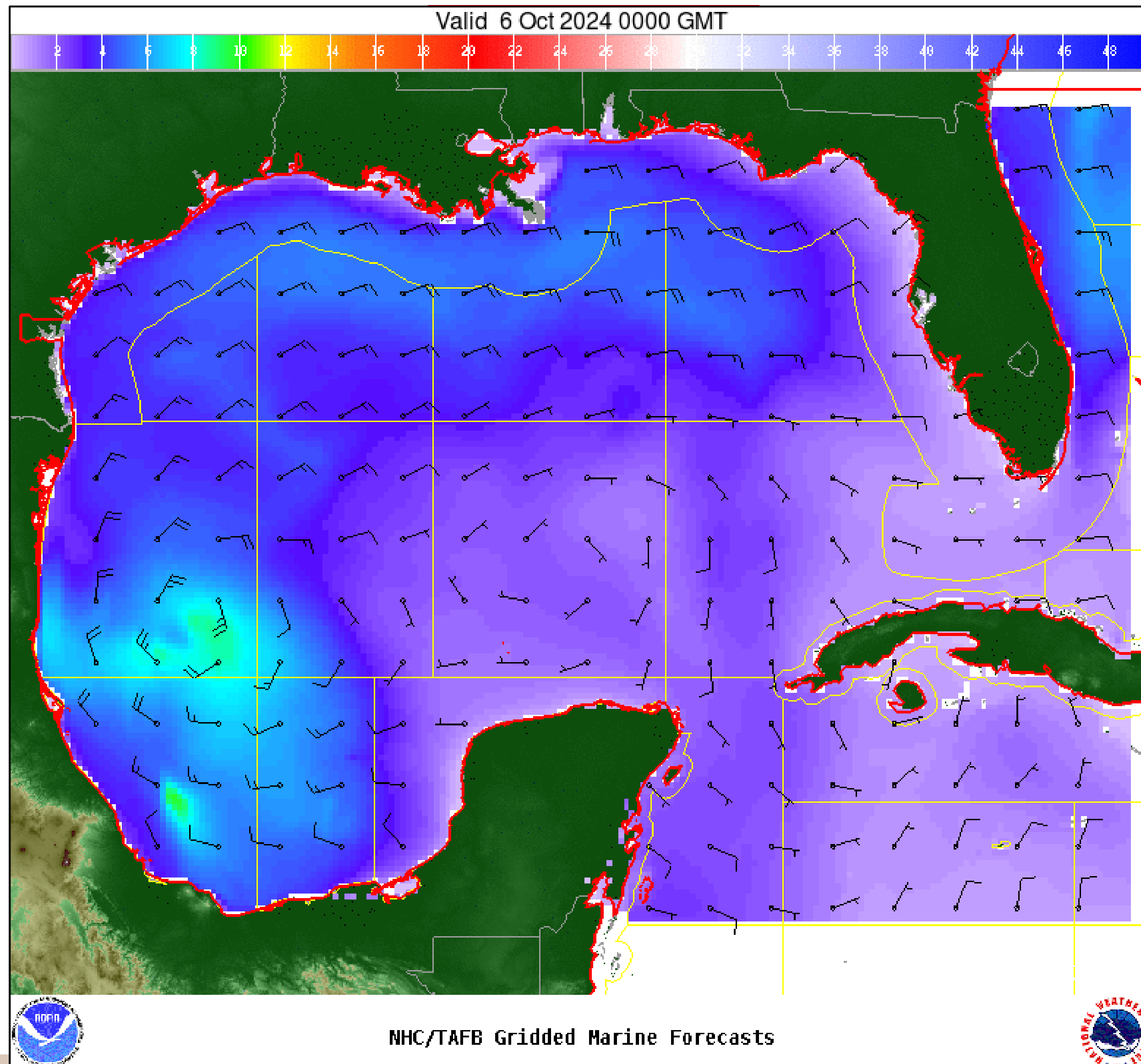
- TAMPA – 21%
 - VENICE – 20%
 - CEDAR KEY – 17%
 - FORT MYERS – 5%
 - COCOA BEACH – 10%
 - FORT PIERCE – 8%
 - MAYPORT NS – 6%
 - FORT LAUDERDALE – 3%
 - JACKSONVILLE – 1%
 - MIAMI – 4%
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii 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.

Wind And Waves

Hurricane Milton



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Current Conditions

Sunday morning, Oct 6, 2024

Peak Winds: 50 kt

Peak Seas: 15 ft

- Wave heights are in feet



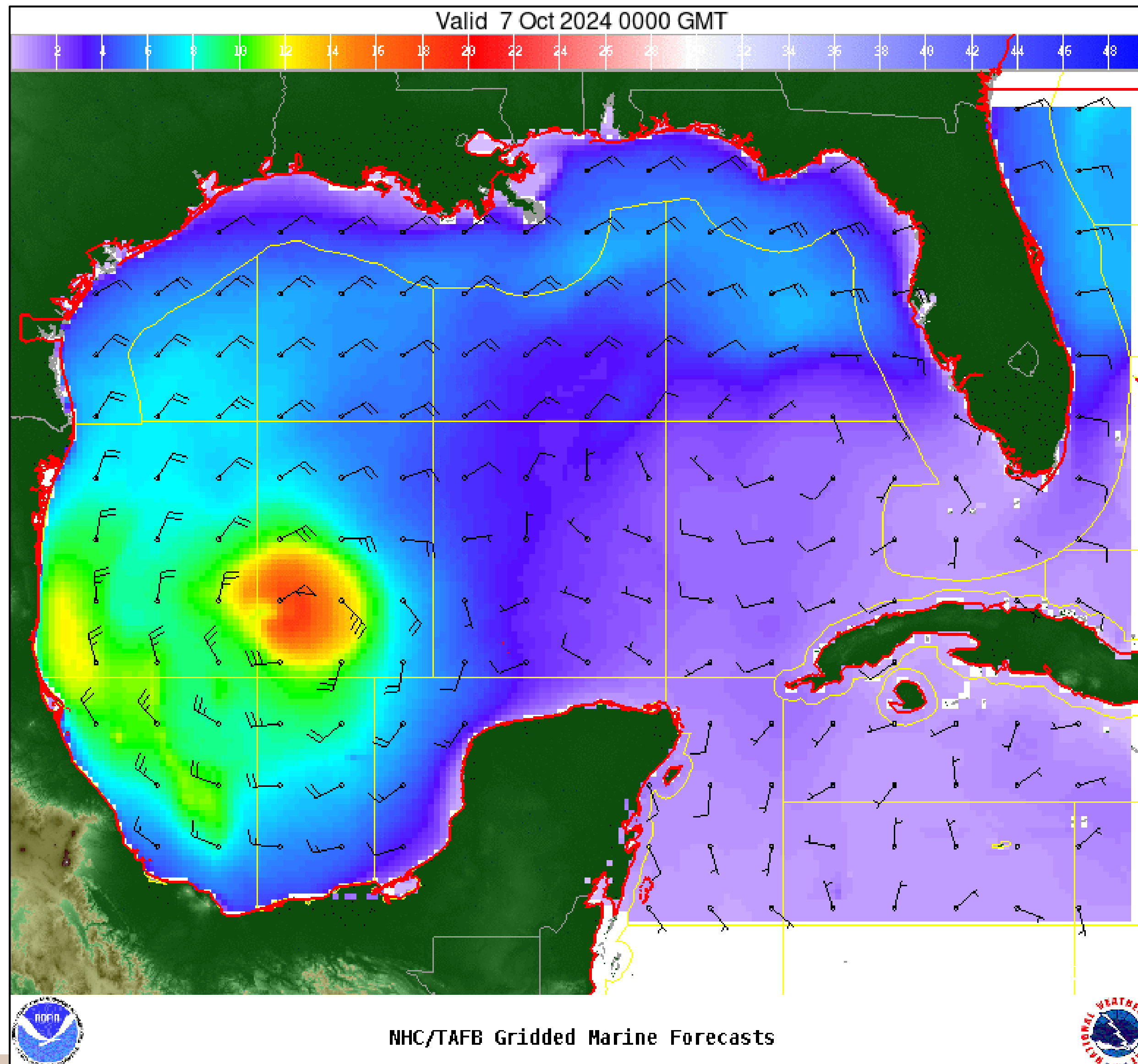
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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24 Hour Forecast

Sunday evening, Oct 6, 2024

Peak Winds: 55 kt

Peak Seas: 19 ft

■ Wave heights are in feet



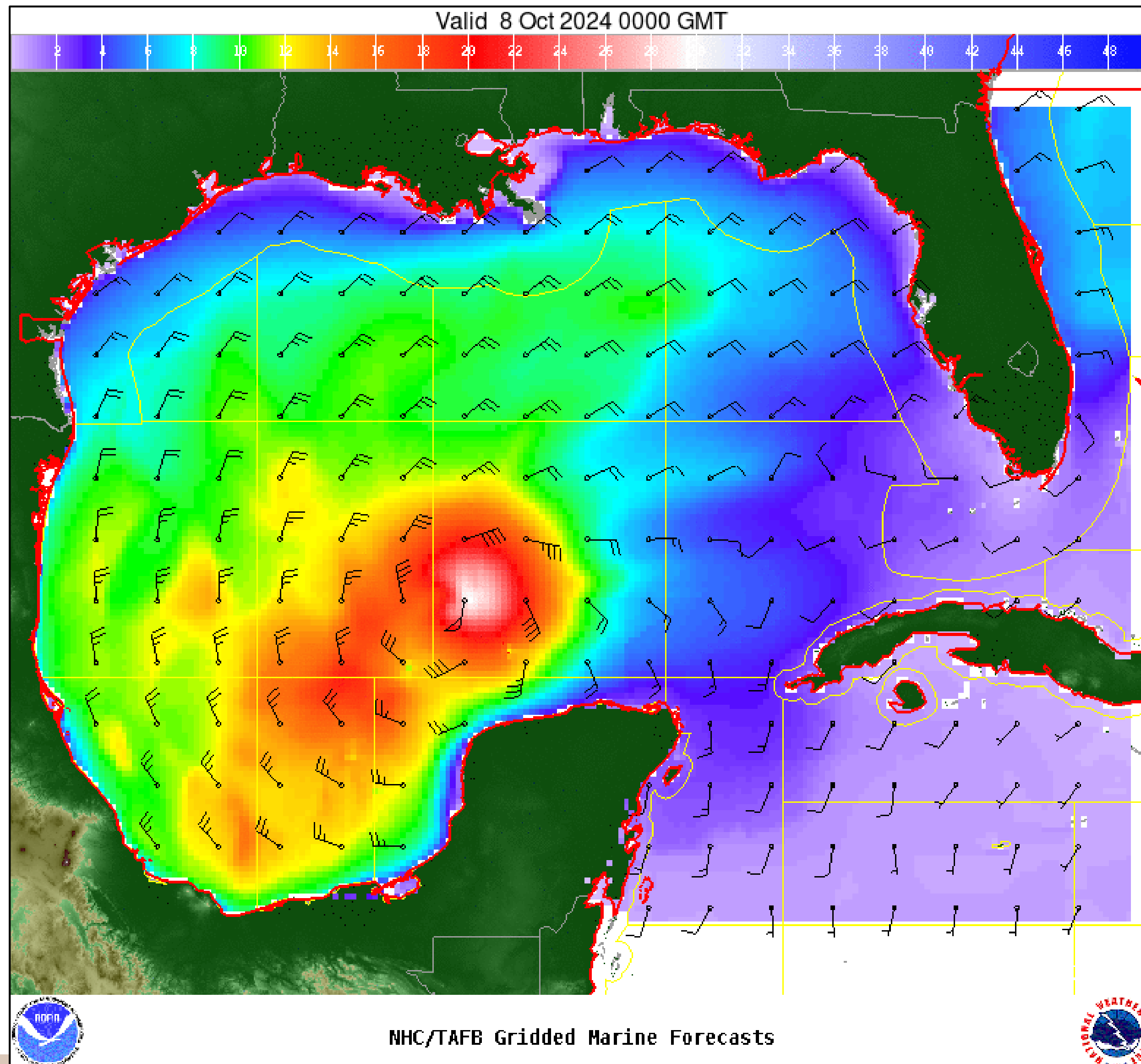
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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48 Hour Forecast

Monday evening, Oct 7, 2024

Peak Winds: 80 kt

Peak Seas: 26 ft

- Wave heights are in feet



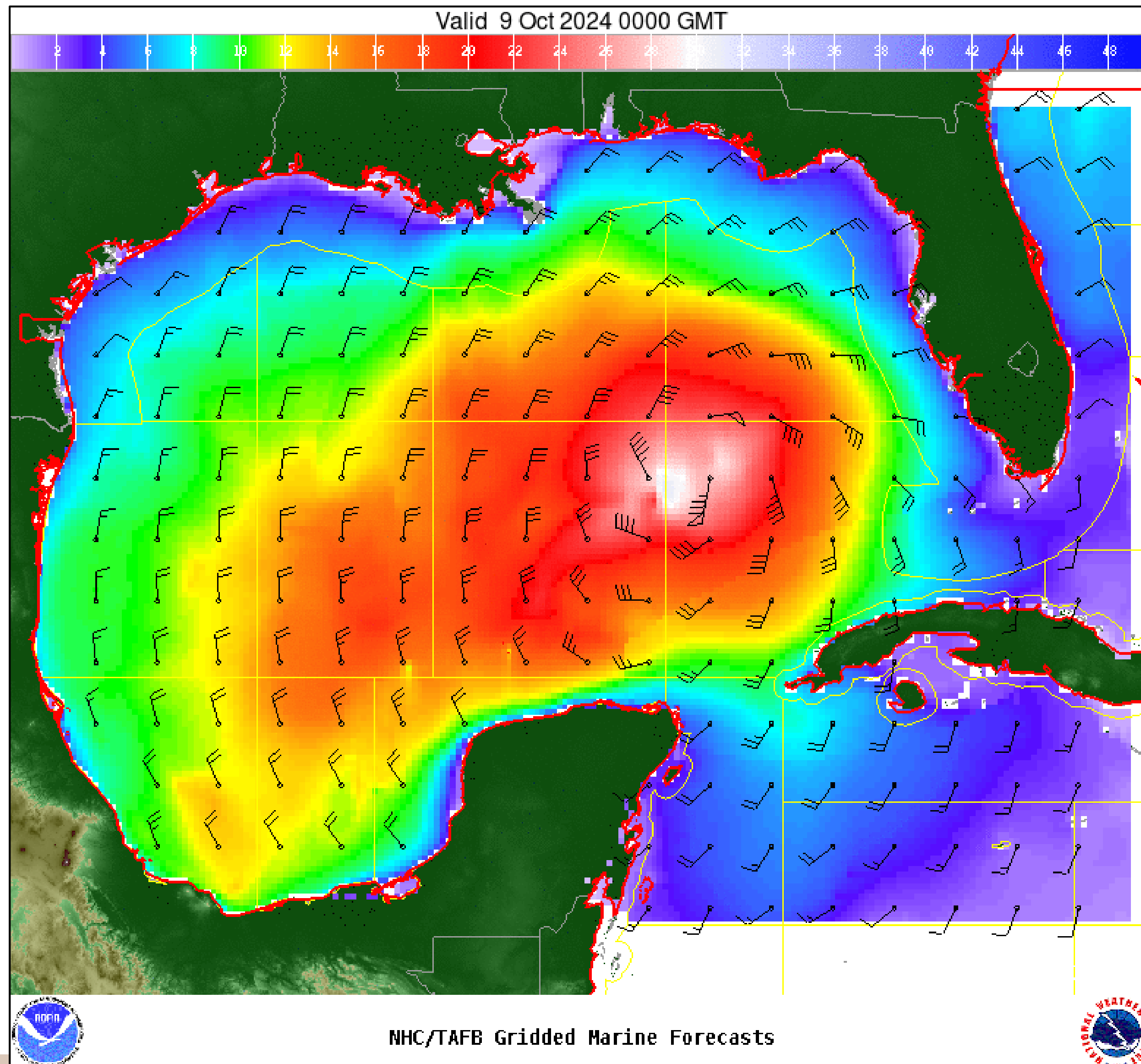
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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72 Hour Forecast

Tuesday evening, Oct 8, 2024

Peak Winds: 100 kt

Peak Seas: 30 ft

- Wave heights are in feet



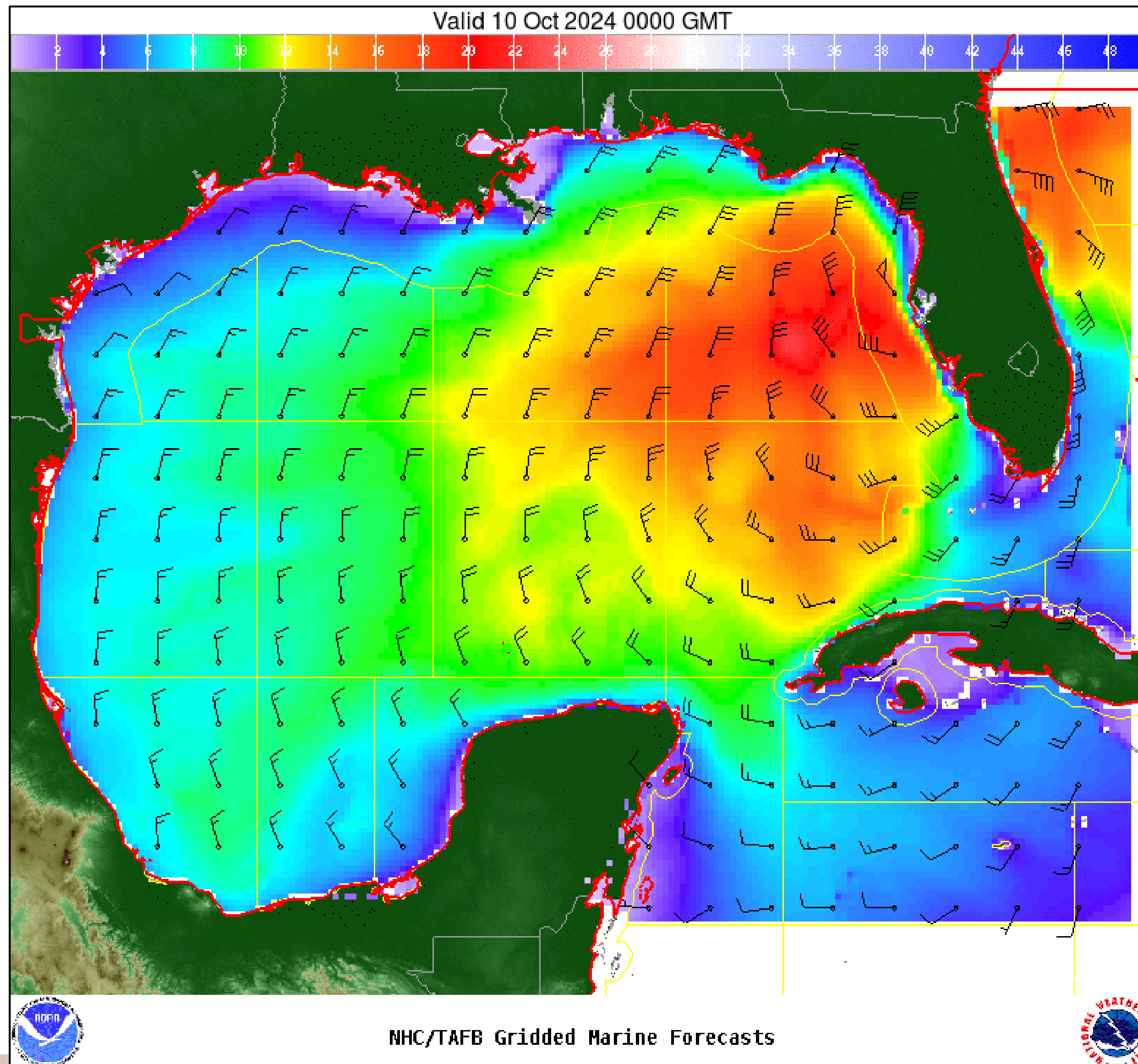
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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96 Hour Forecast

Wednesday evening, Oct 9, 2024

Peak Winds: 100 kt

Peak Seas:

- Wave heights are in feet



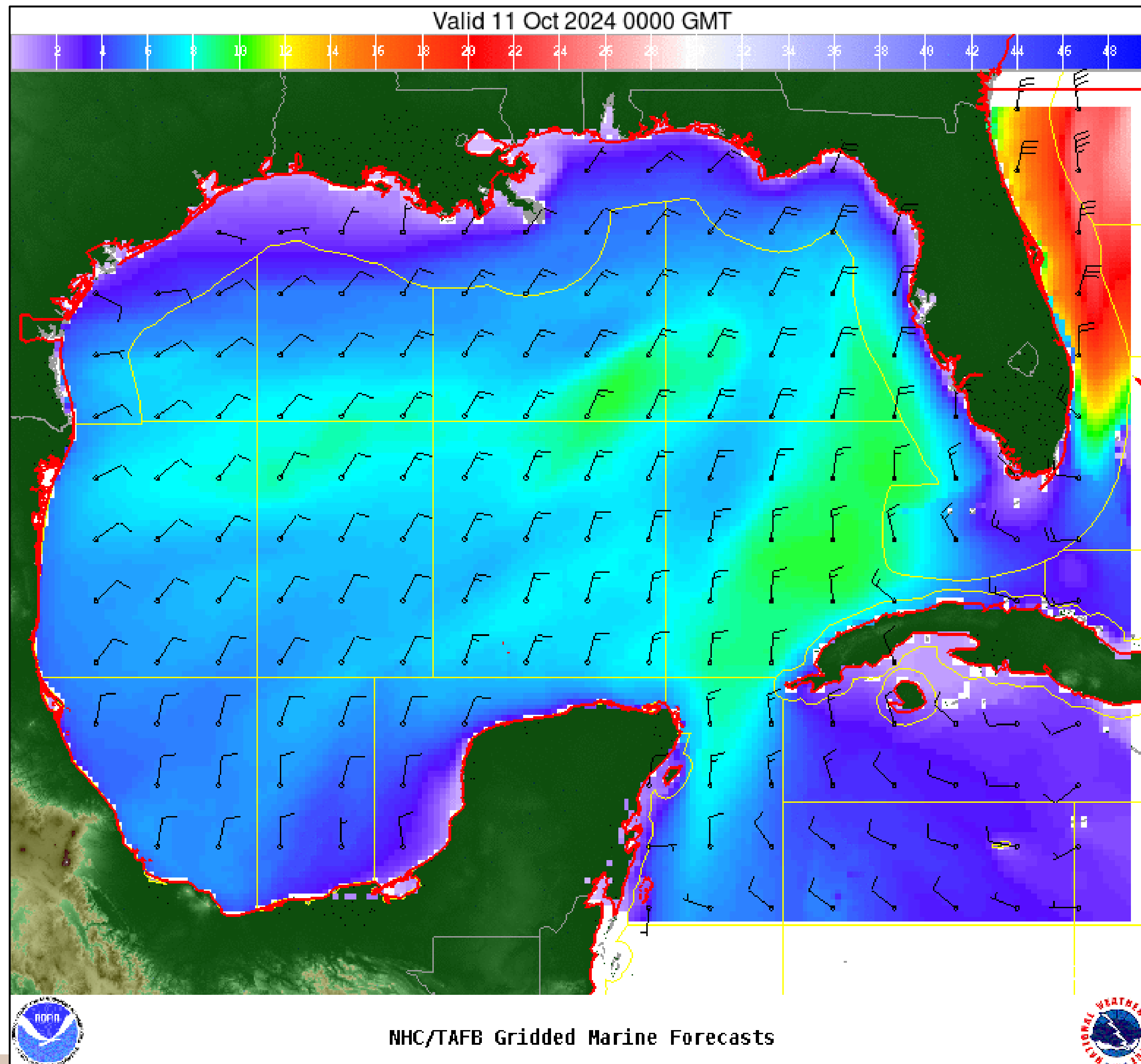
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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NWS National Hurricane Center



120 Hour Forecast

Thursday evening, Oct 10, 2024

Peak Winds: 105 kt

Peak Seas: approaching 30 ft (Atlantic)

- Wave heights are in feet



Significant Wave Height (ft)

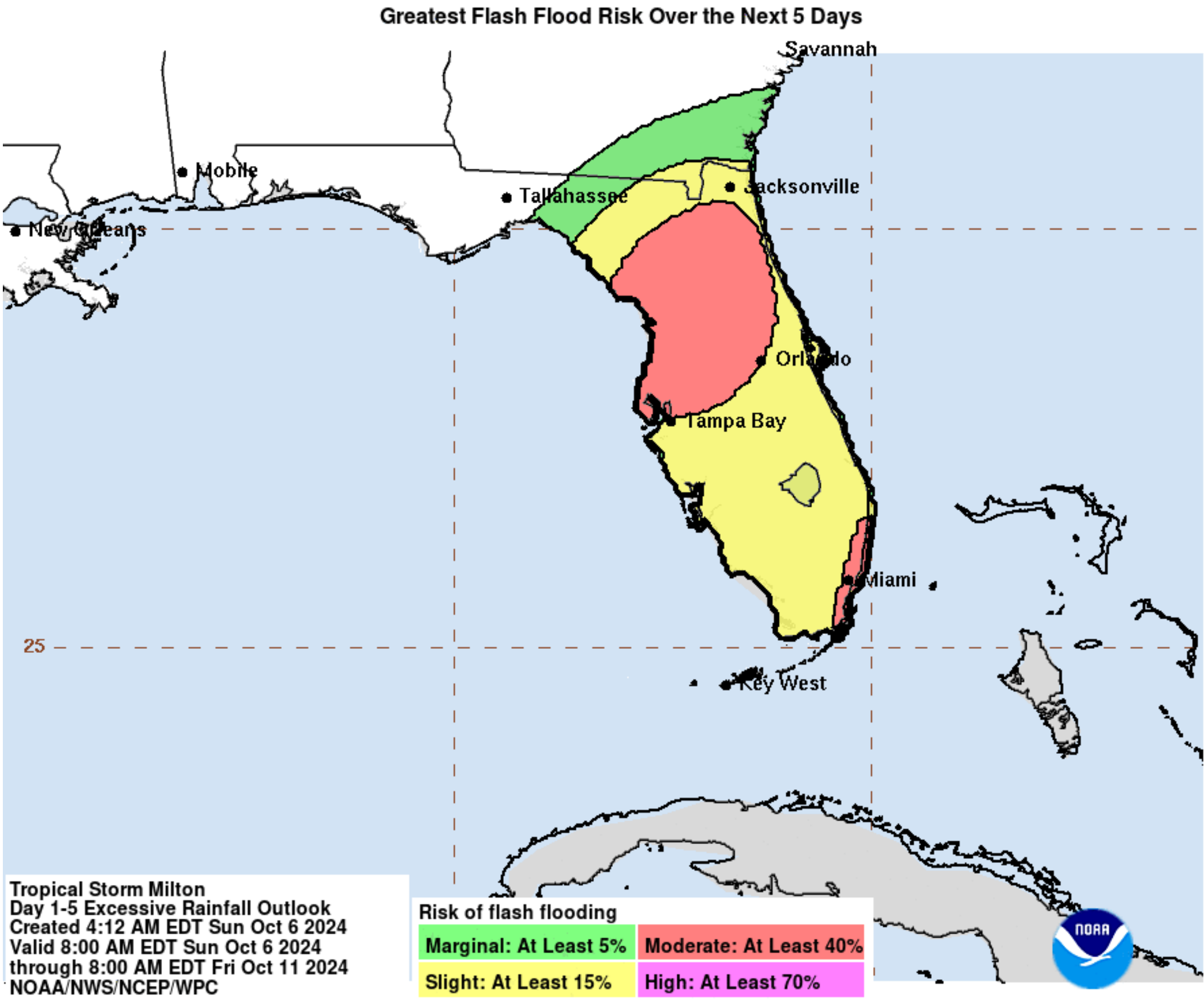
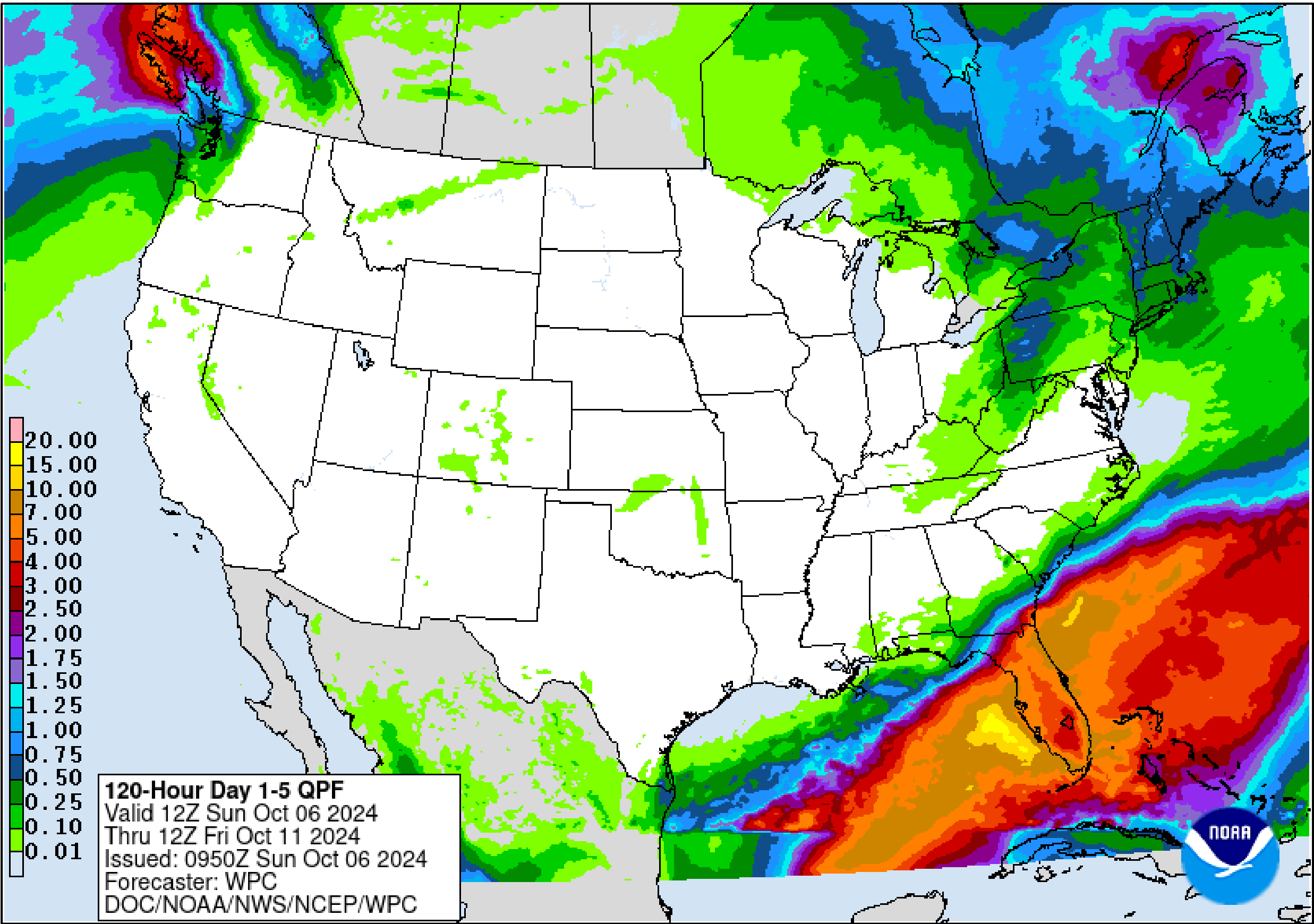
Expected Storm Total Rainfall and Chance of Rainfall Flooding

Hurricane Milton

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



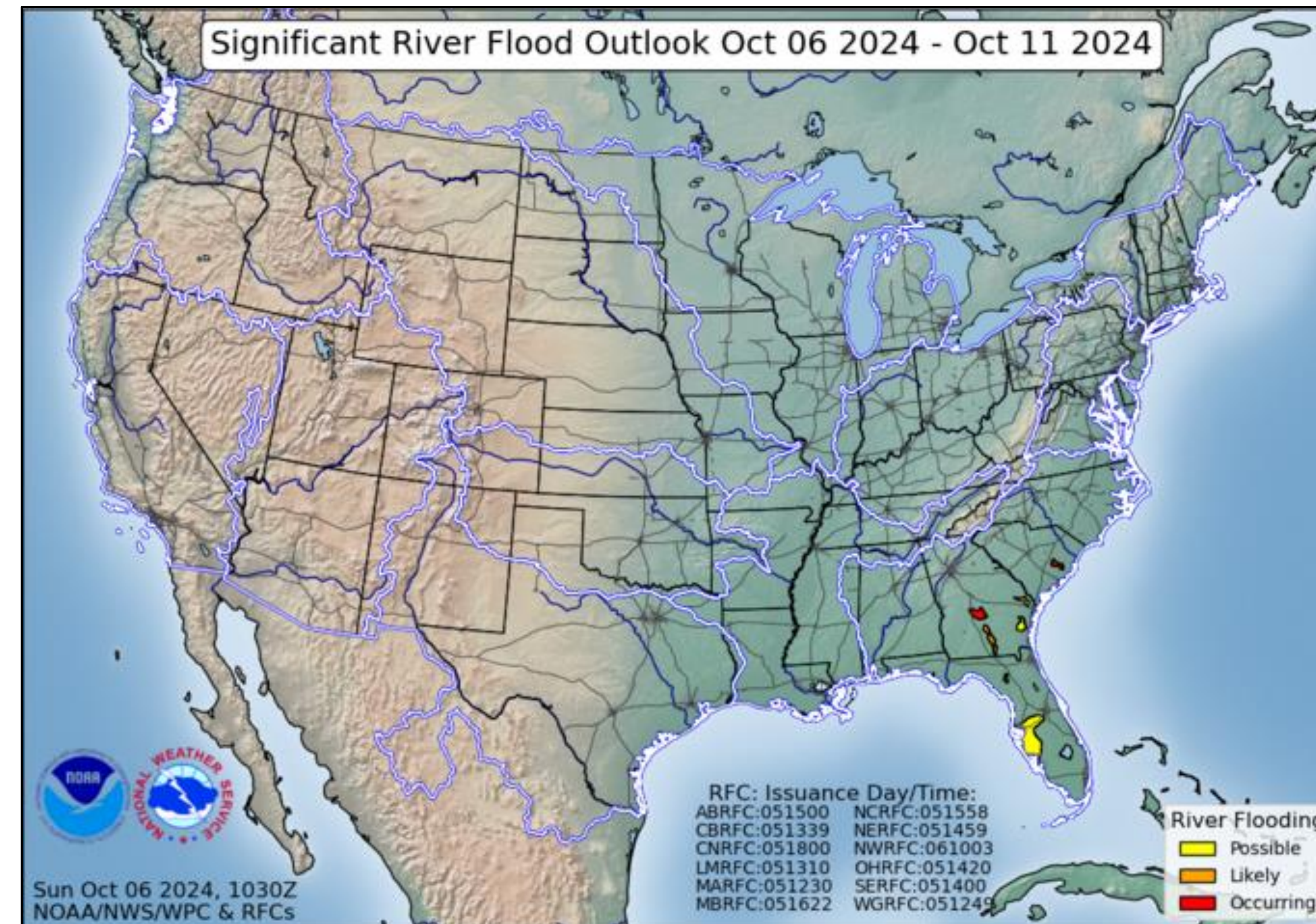
Total Rainfall and Flash Flood Risk through Friday morning

River Flood Outlook

Hurricane Milton



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NWS National Hurricane Center

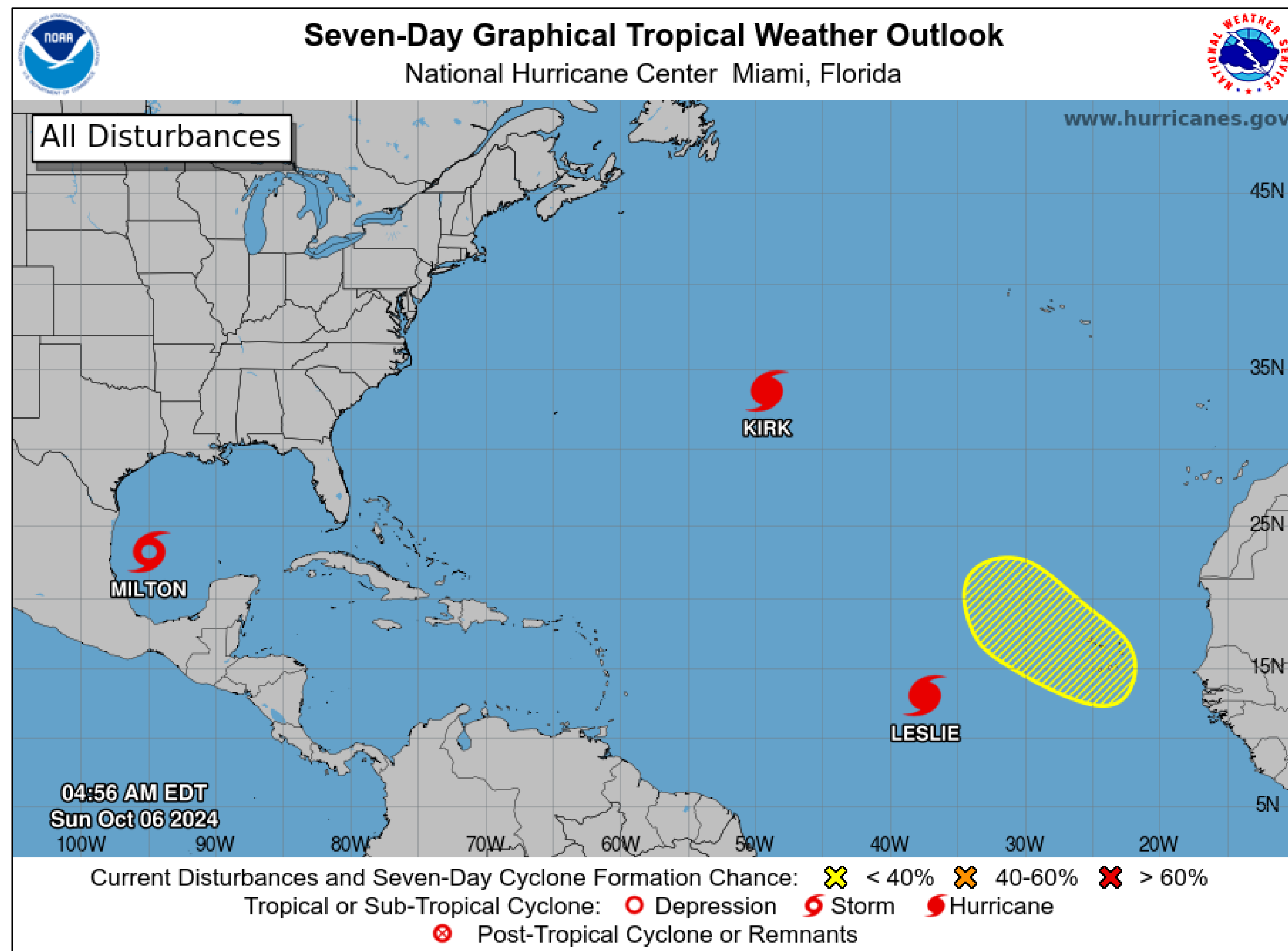


Tropical Weather Outlook

Hurricane Milton



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NWS National Hurricane Center



- Overview information from TWO text
- If including the 7 day TWO, include the following bullet:
- **Reminder:** *The hatched area represents a possible development area, not the system's path after development occurs.*

Key Messages

Hurricane Milton



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Key Messages for Tropical Storm Milton

Advisory 4: 4:00 AM CDT Sun Oct 06, 2024



1. Milton is forecast to quickly intensify while it moves eastward to northeastward across the Gulf of Mexico and be at or near major hurricane strength when it reaches the west coast of the Florida Peninsula mid week. Hurricane Watches could be issued as early as late today for portions of Florida.

2. There is an increasing risk of life-threatening storm surge and wind impacts for portions of the west coast of the Florida Peninsula beginning late Tuesday or Wednesday. Residents in these areas should ensure they have their hurricane plan in place, follow any advice given by local officials, and check back for updates to the forecast.

3. Areas of heavy rainfall will impact portions of Florida Sunday and Monday well ahead of Milton, with heavy rainfall more directly related to the system expected later on Tuesday through Wednesday night. This rainfall brings the risk of flash, urban, and areal flooding, along with minor to moderate river flooding.



For more information go to hurricanes.gov

IMPACTS FOR D7

Winds/US Coast – **Extreme**

Winds/SRR – **Extreme**

Waves/US Coastal – **High**

Waves/SRR – **Extreme**

through next 5 days

US Storm Surge – **High**

US Rainfall/Flash Flooding – **High**

US Tornadoes – **Few**

• Marine Key Messages:

- Peak seas to 37 feet in the Gulf on Tue
- Approaching 30 ft in Atlantic off NE Florida Thu
- Swell already reaching southwest Florida coast



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

This briefing was prepared by:
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TIME of NEXT NHC Advisory:
15 UTC: 11 AM EDT / 10 AM EST / 10 AM CDT / 9 AM CST

The Next Briefing Will Be:
Monday 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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