

IMPACTS FOR D7

Winds/US Coast – Extreme

Winds/SRR – Extreme

Waves/US Coastal – Extreme

Waves/SRR – Extreme

through next 5 days

US Storm Surge – High

US Rainfall/Flash Flooding – High

US Tornadoes – Unknown

HURRICANE MILTON BRIEFING



6:00 PM EDT
Sunday, October 6, 2024

Prepared by:

Eric Christensen

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

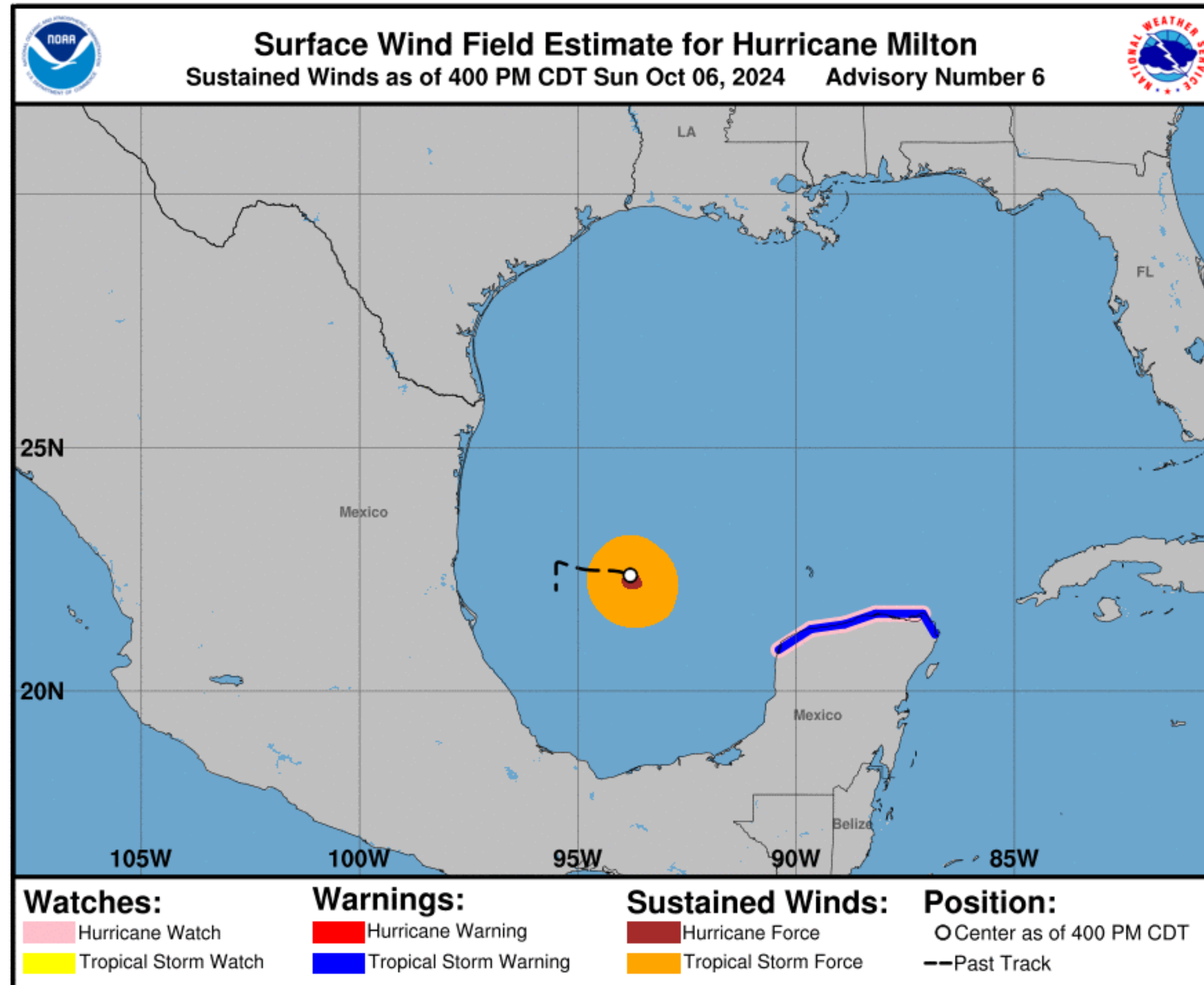


Situation Overview

Hurricane Milton



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



**...MILTON CONTINUING TO RAPIDLY INTENSIFY...
...HURRICANE WATCH ISSUED FOR THE NORTHERN
COAST OF YUCATAN
PENINSULA...**

SUMMARY OF 400 PM CDT...2100 UTC...INFORMATION

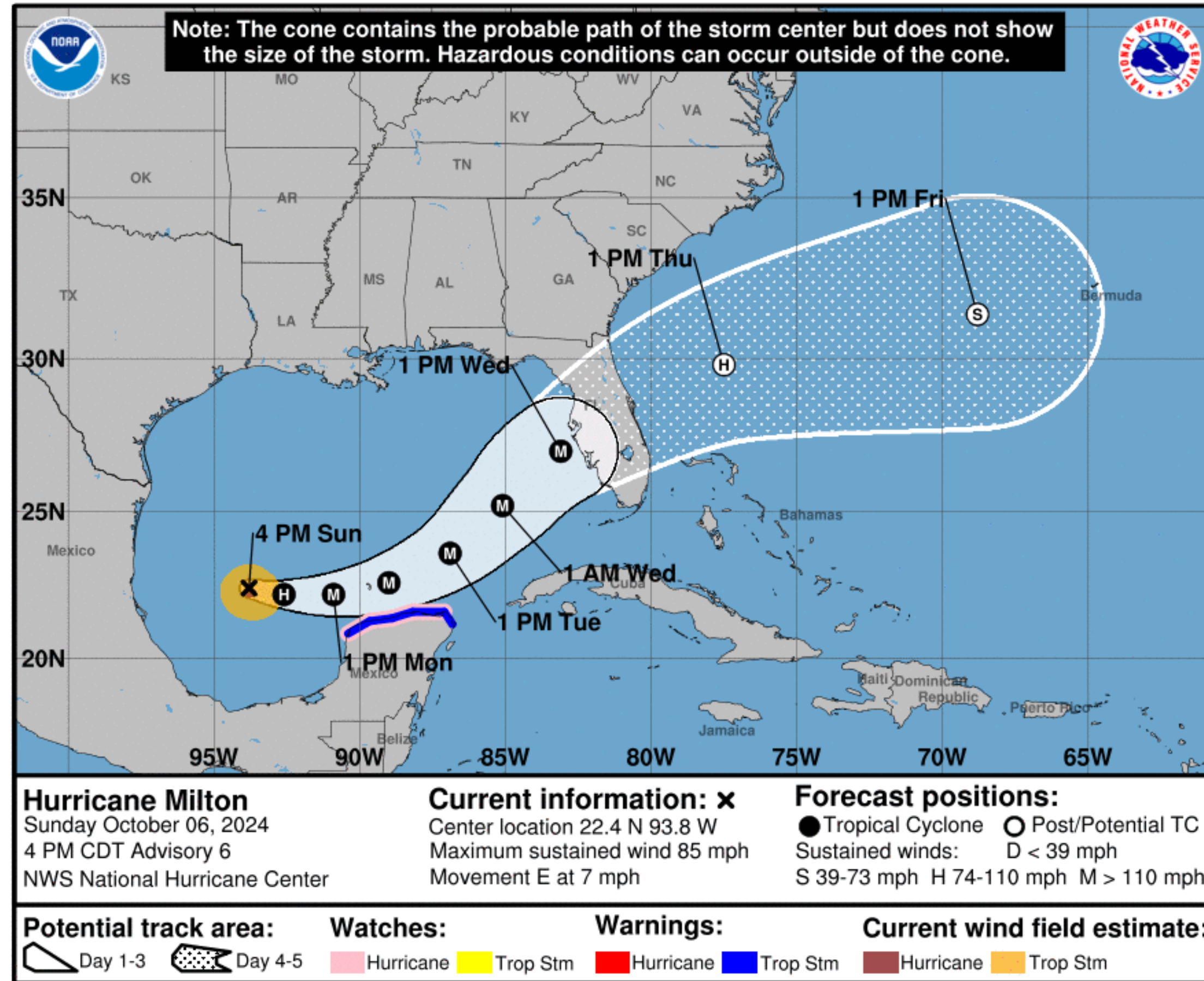
LOCATION...22.4N 93.8W
ABOUT 240 NM WNW OF PROGRESO MEXICO
ABOUT 700 NM WSW OF TAMPA FLORIDA
MAXIMUM SUSTAINED WINDS...75 KNOTS
PRESENT MOVEMENT...E OR 100 DEGREES AT 6 KNOTS
MINIMUM CENTRAL PRESSURE...983 MB

Forecast Information

Hurricane Milton



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NWS National Hurricane Center



- Milton will intensify to a major hurricane Mon as it moves into more favorable conditions over the south-central Gulf
- Milton is expected to maintain major hurricane intensity as it makes landfall on the west-central Florida coast on Wed.
- Hurricane conditions are expected off northeast Florida Thu into Fri
- 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.

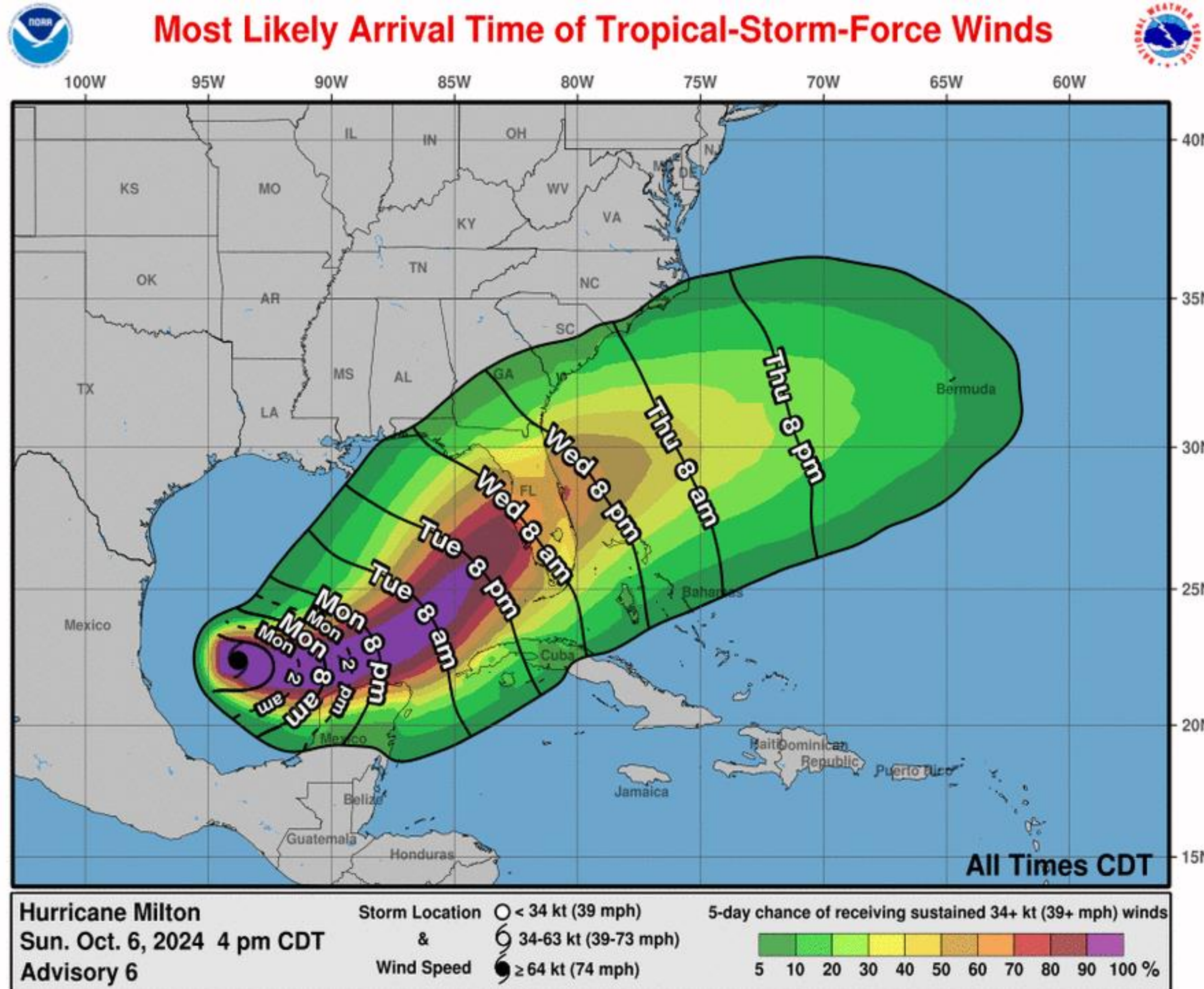
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

T.S. Wind Speed Probabilities

Hurricane Milton



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- Venice – 84%
- Tampa – 80%
- Naples-72%
- Ft Myers-60%
- Cedar Key – 58%
- Key West – 48%
- Marathon – 42%
- Cocoa Beach-72%
- Ft Pierce-67%
- West Palm Beach-56%
- Ft Lauderdale-49%
- Mayport NS-45%
- Jacksonville-28%
- Miami-26%

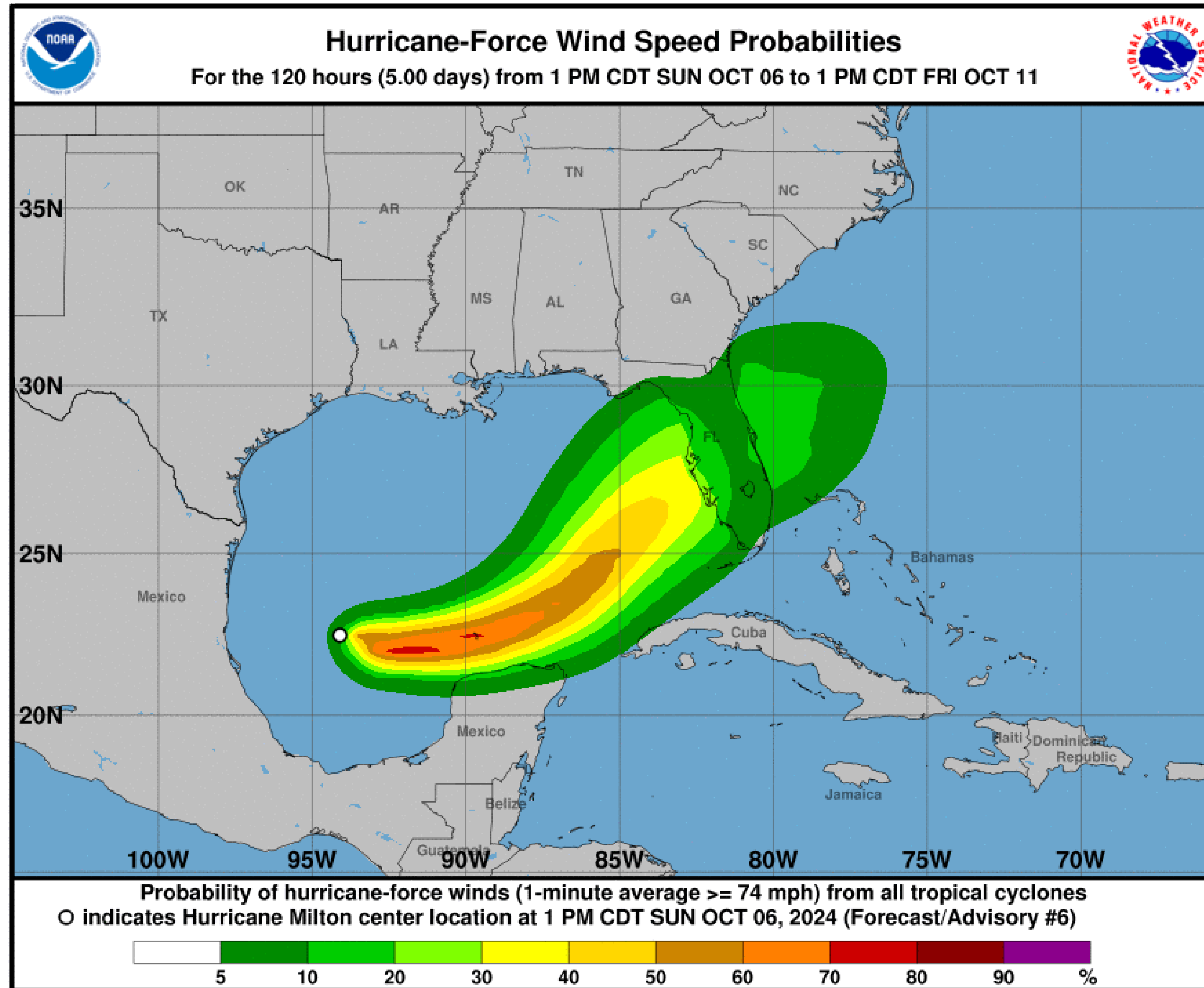
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone’s wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Hurricane Wind Speed Probabilities



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Hurricane Milton



- | | |
|-----------------|--------------------|
| Venice – 35% | Cocoa Beach-17% |
| Tampa – 31% | Ft Pierce-14% |
| Naples - 21% | West Palm Beach-9% |
| Ft Myers - 16% | Ft Lauderdale-6% |
| Cedar Key - 18% | Mayport NS-10% |
| Key West – 6% | Jacksonville-3% |
| Marathon – 4% | Miami-2% |

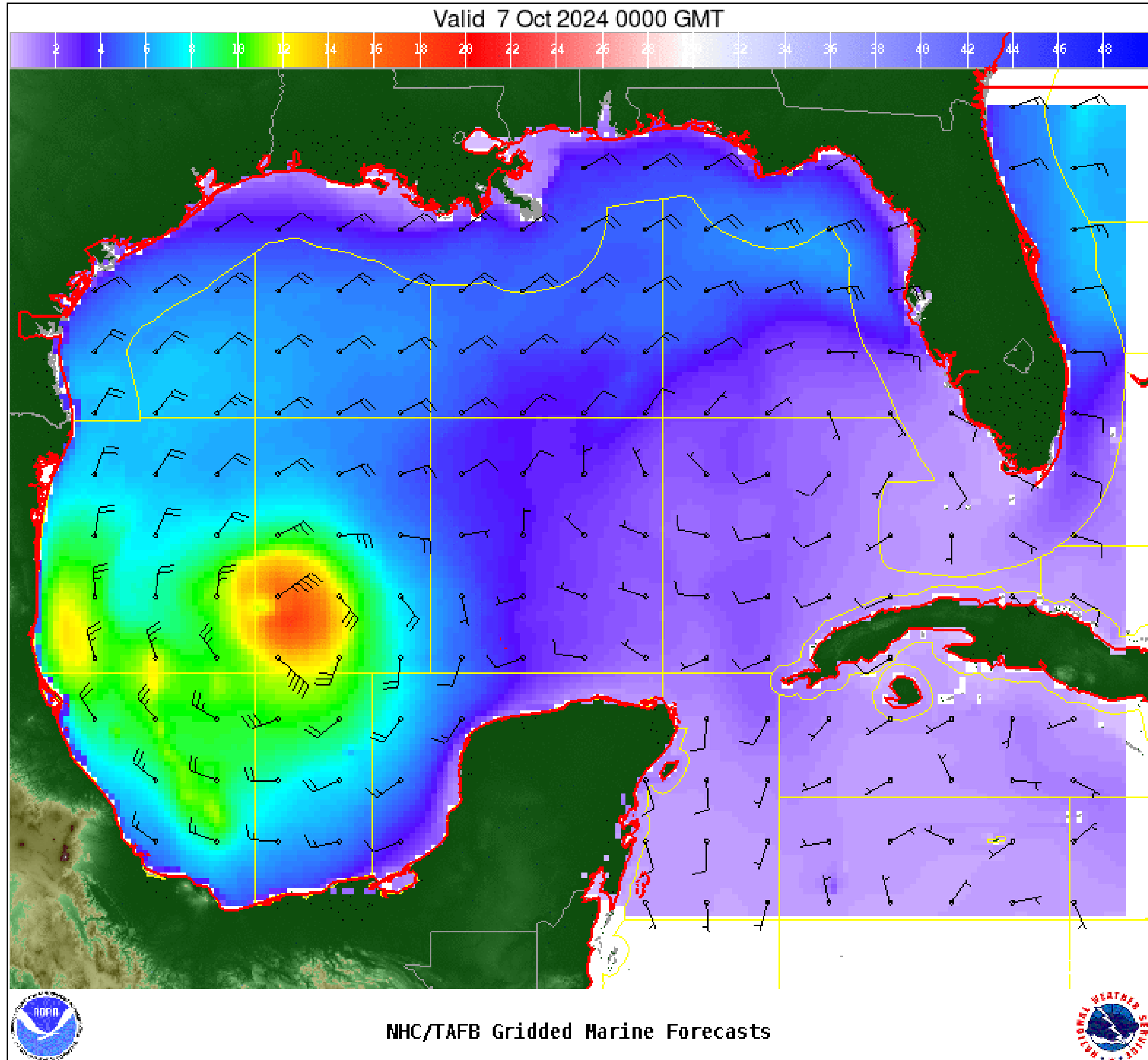
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Wind And Waves

Hurricane Milton



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Current Conditions

Sunday evening, Oct 6, 2024

Peak Winds: 55 kt

Peak Seas: 16 ft

■ Wave heights are in feet



Significant Wave Height (ft)

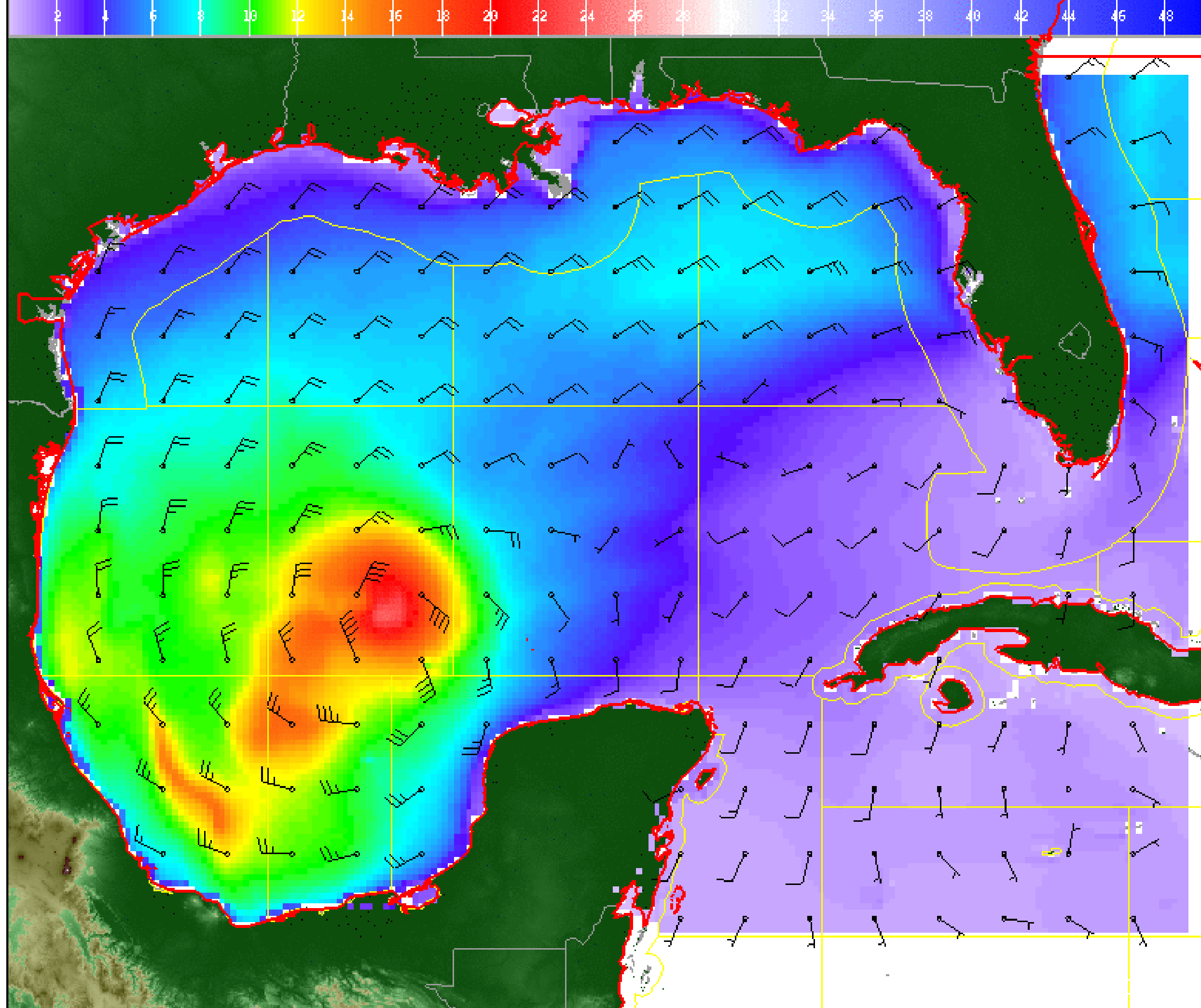
Wind And Waves

Hurricane Milton



Tropical Analysis and Forecast Branch
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Valid 7 Oct 2024 1200 GMT



24 Hour Forecast

Monday morning, Oct 7, 2024

Peak Winds: 85 kt

Peak Seas: 26 ft

■ Wave heights are in feet



Significant Wave Height (ft)



NHC/TAFB Gridded Marine Forecasts



10/6/2024 6:05 PM

www.nhc.noaa.gov

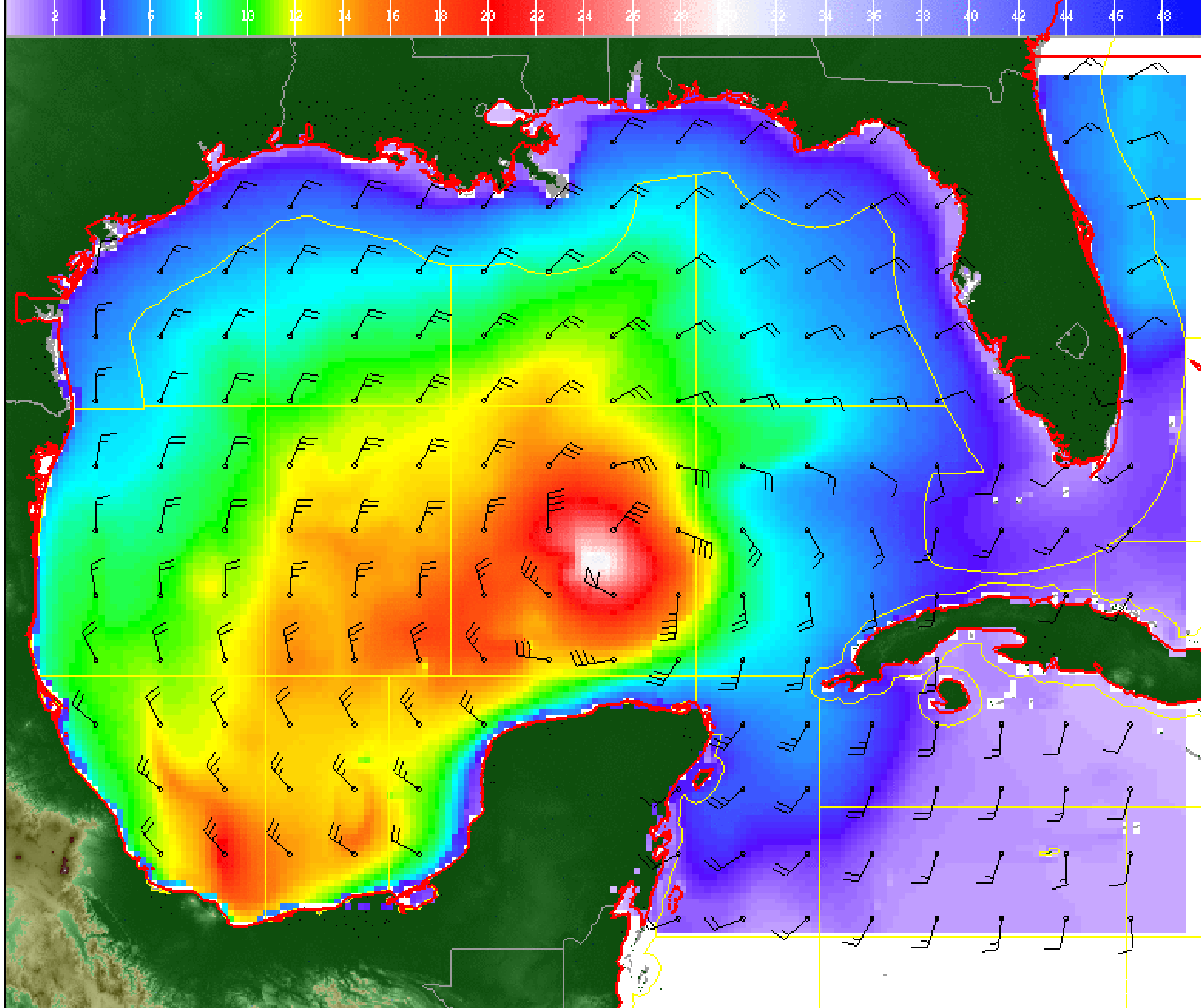
Wind And Waves

Hurricane Milton



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Valid 8 Oct 2024 1200 GMT



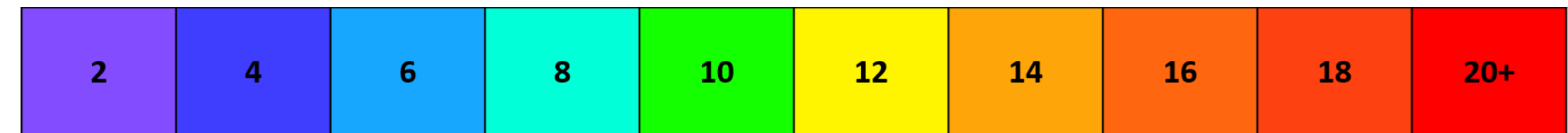
48 Hour Forecast

Tuesday morning, Oct 8, 2024

Peak Winds: 110 kt

Peak Seas: 30 ft

■ Wave heights are in feet



Significant Wave Height (ft)



NHC/TAFB Gridded Marine Forecasts



10/6/2024 6:05 PM

www.nhc.noaa.gov

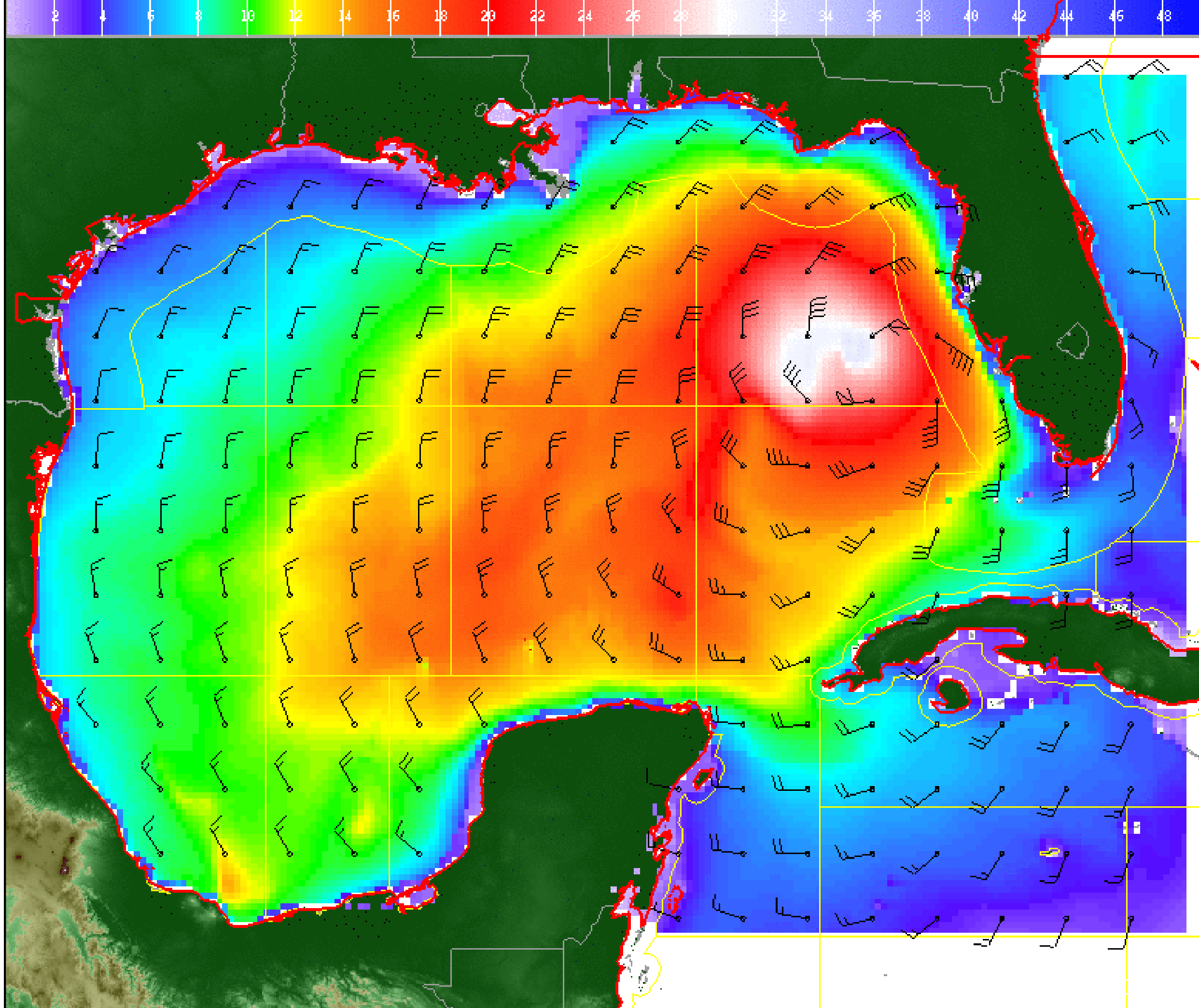
Wind And Waves

Hurricane Milton



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Valid 9 Oct 2024 1200 GMT



NHC/TAFB Gridded Marine Forecasts

72 Hour Forecast

Wednesday morning, Oct 9, 2024

Peak Winds: 120 kt

Peak Seas: 41 ft

■ Wave heights are in feet



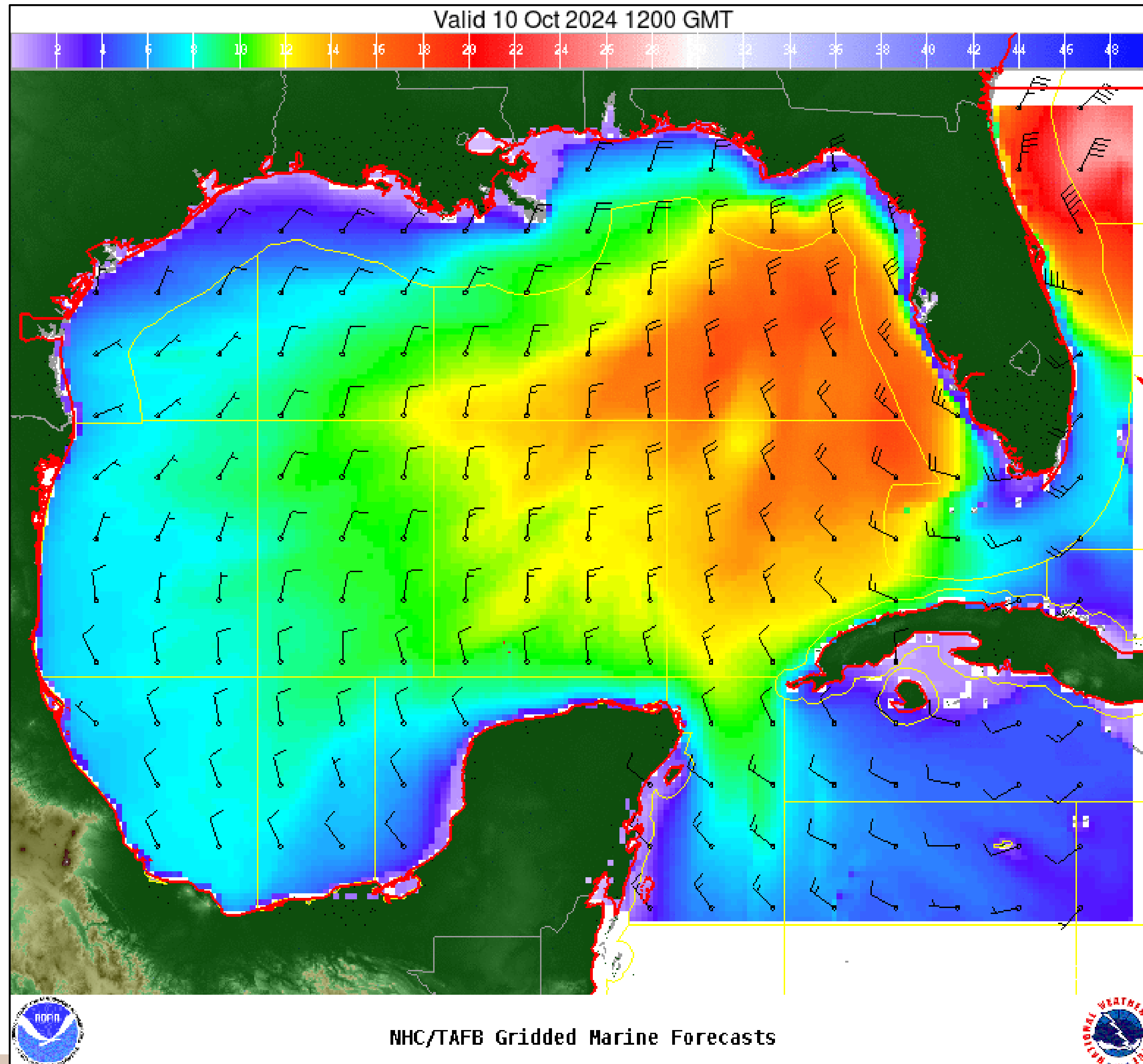
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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96 Hour Forecast

Thursday morning, Oct 10, 2024

Peak Winds: 65 kt

Peak Seas: 28 ft (Atlantic)

■ Wave heights are in feet



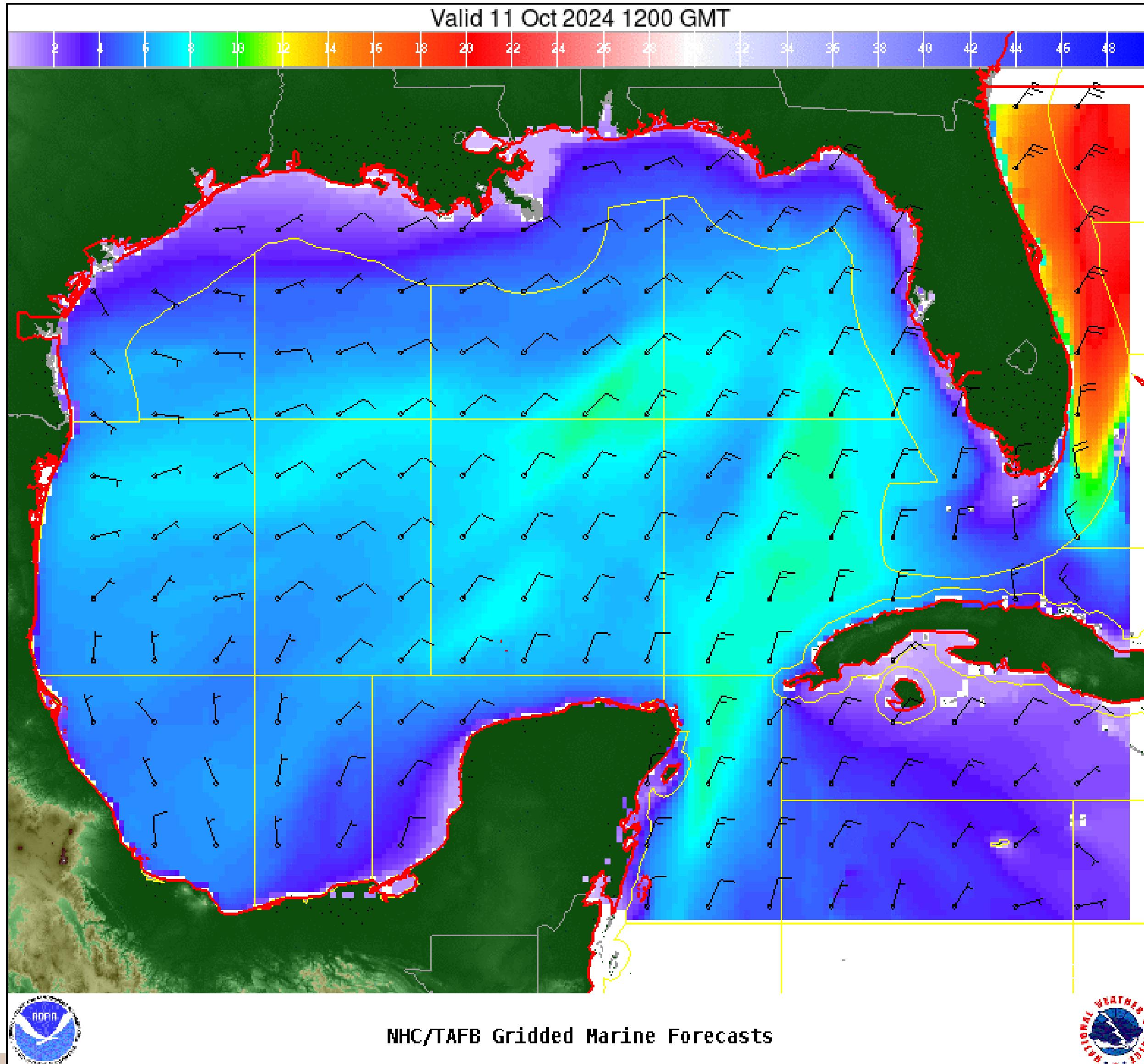
Significant Wave Height (ft)

Wind And Waves

Hurricane Milton



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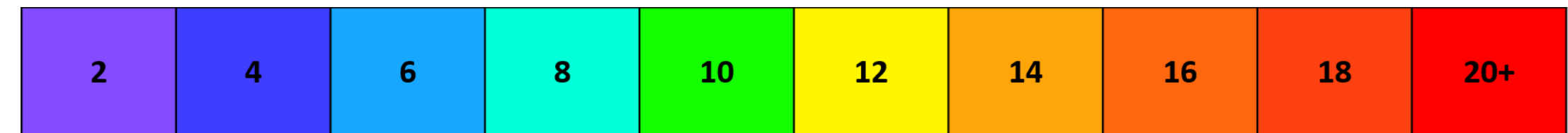


120 Hour Forecast
Friday morning, Oct 11, 2024

Peak Winds: 55 kt

Peak Seas: 26 ft

■ Wave heights are in feet



Significant Wave Height (ft)

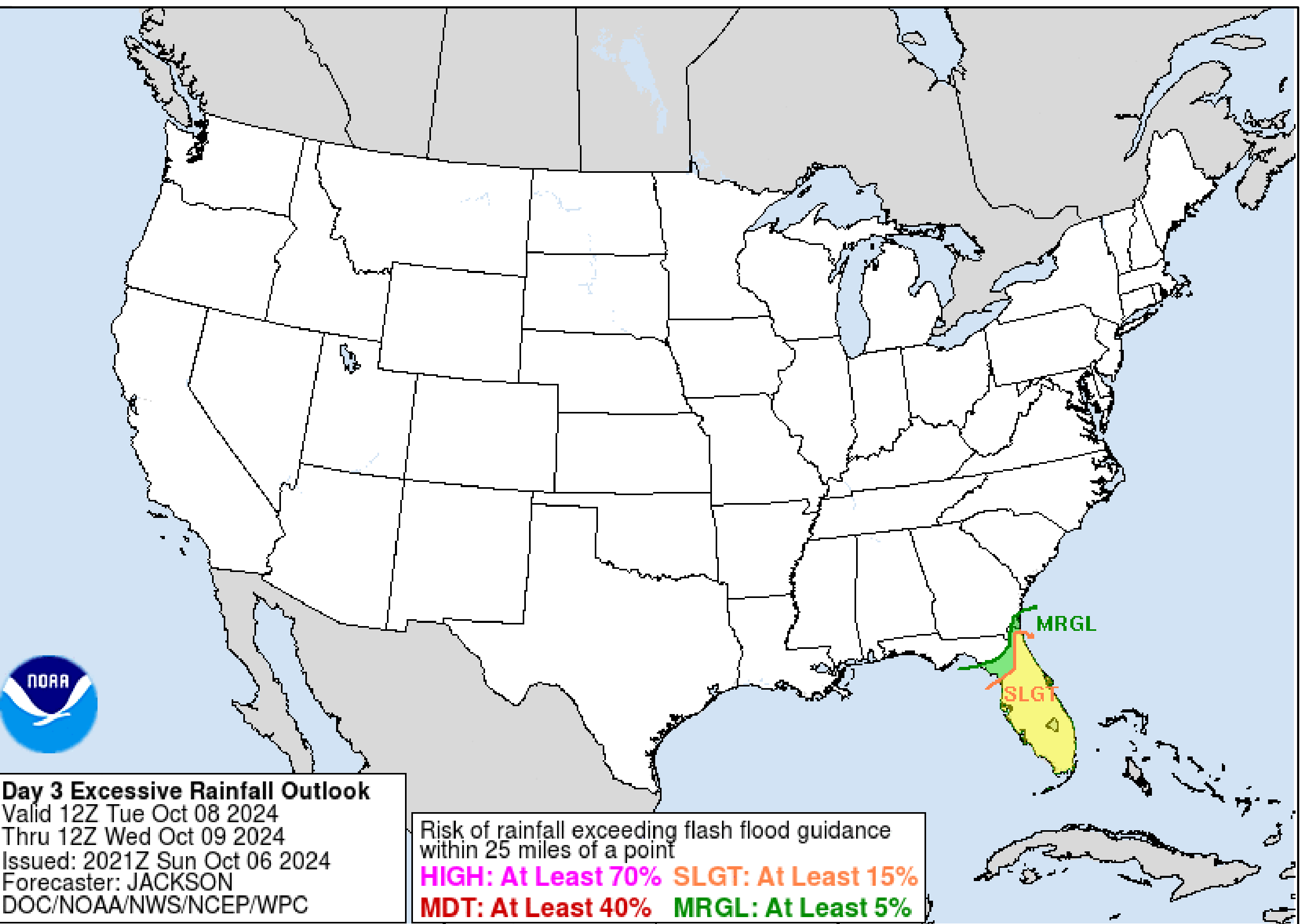
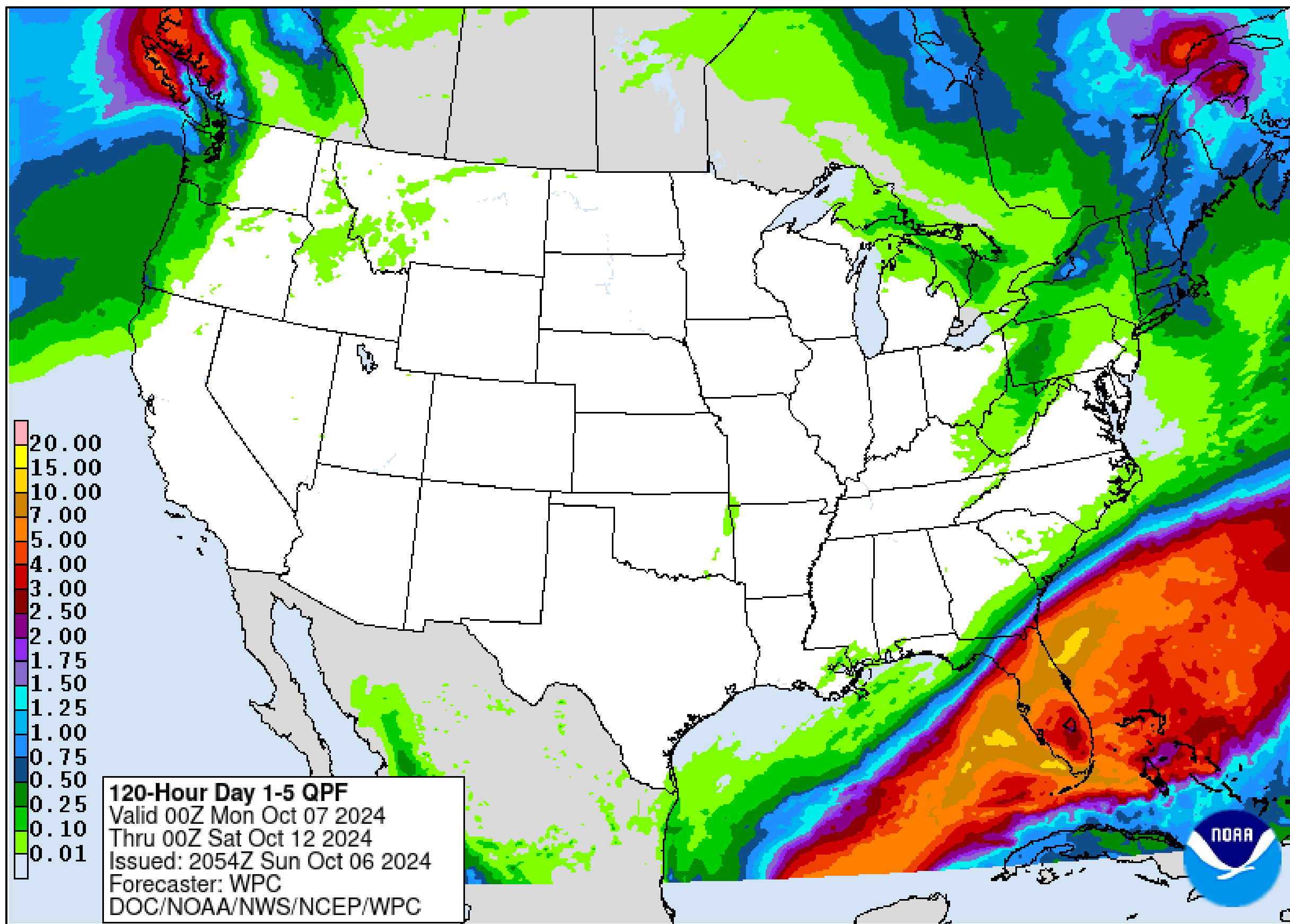
Expected Storm Total Rainfall and Chance of Rainfall Flooding



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Hurricane Milton

Images from NWS Weather Prediction Center



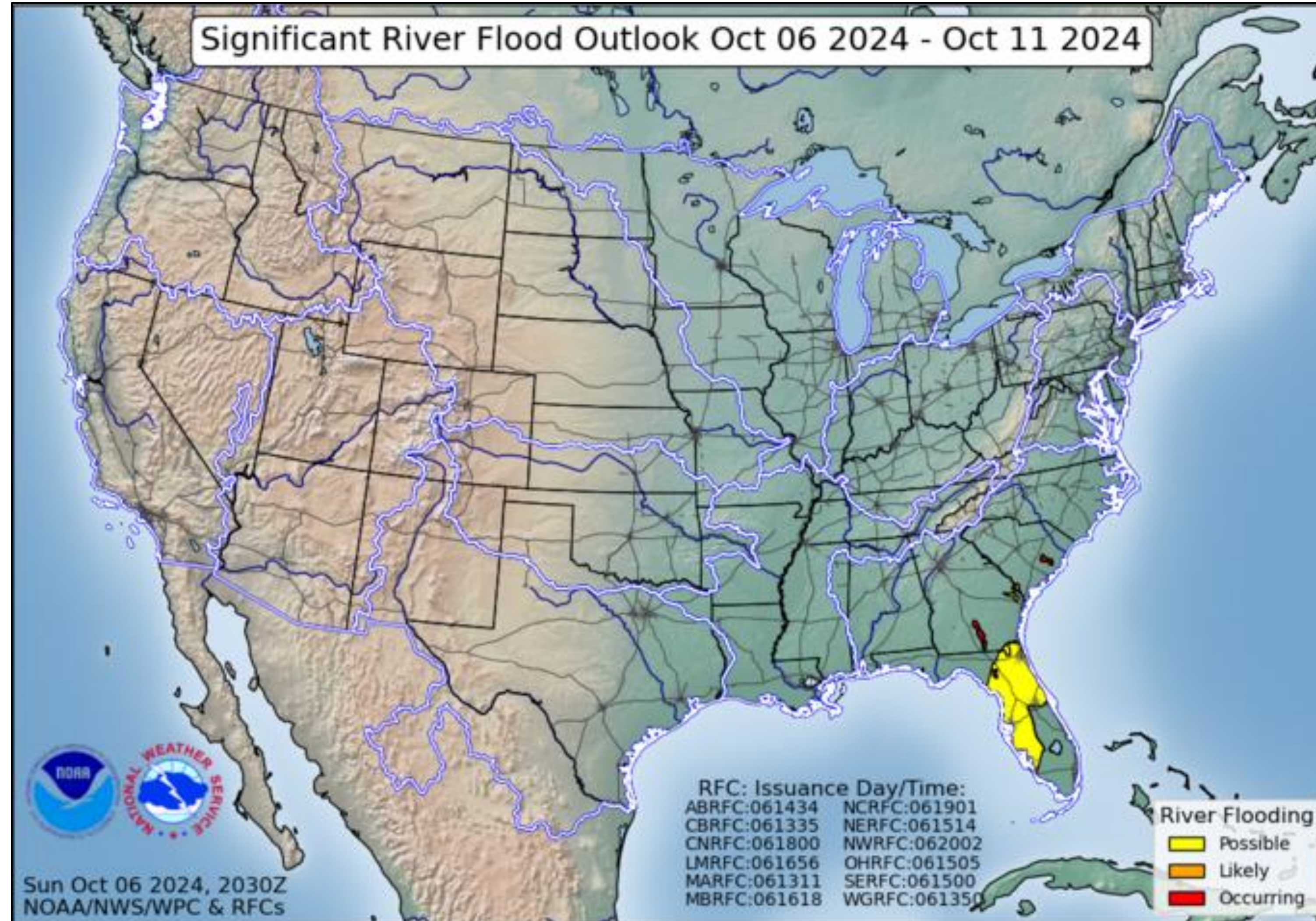
Risk of rainfall exceeding flash flood guidance within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**
Refer to map legend for Valid Time

Flood Outlook

Hurricane Milton



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NWS National Hurricane Center



Key Messages

Hurricane Milton



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Key Messages for Hurricane Milton Advisory 6: 4:00 PM CDT Sun Oct 06, 2024

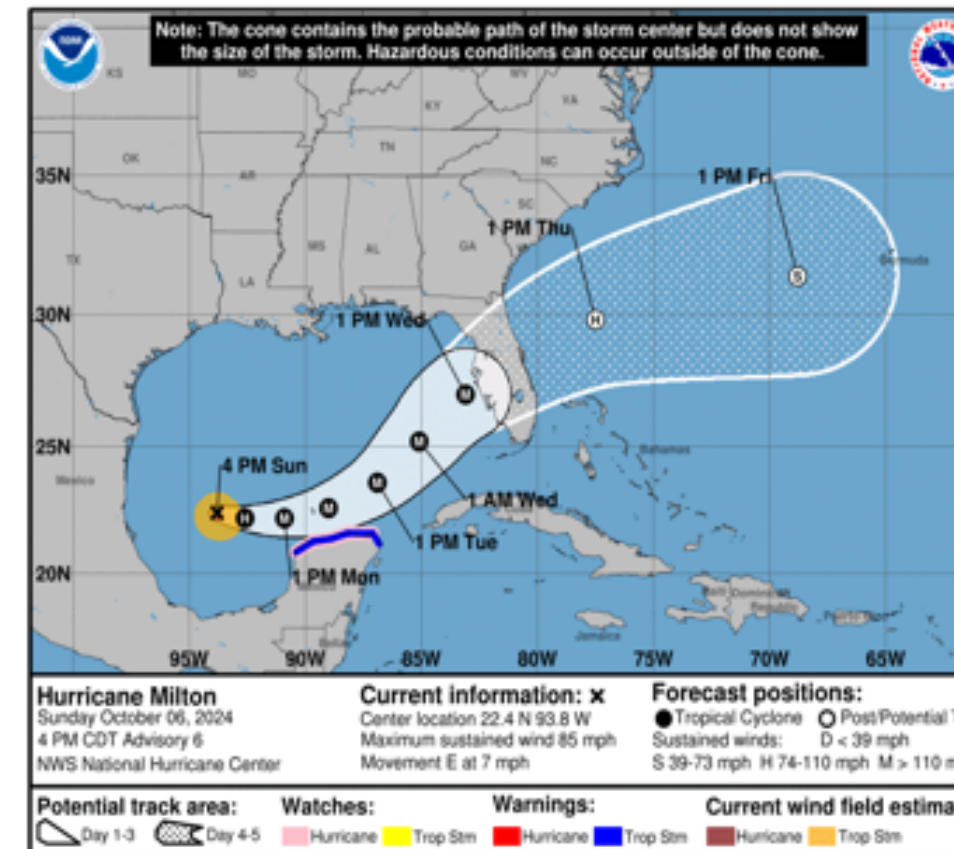


1. Milton is forecast to be a major hurricane when it reaches the west coast of the Florida Peninsula midweek. Users are reminded to not focus on the details of the forecast as there remains significant uncertainty in the eventual track and intensity of Milton.

2. While it is too soon to specify the exact magnitude and location of the greatest impacts, there is an increasing risk of life-threatening storm surge and damaging winds for portions of the west coast of the Florida Peninsula beginning early Wednesday and Storm Surge and Hurricane Watches will likely be issued tonight or early Monday. Residents in the Florida Peninsula should follow any advice given by local officials and monitor updates to the forecast.

3. Areas of heavy rainfall will impact portions of Florida through Monday well ahead of Milton, with heavy rainfall more directly related to Milton expected 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.

4. Tropical storm conditions are expected with hurricane conditions possible beginning Monday across portions of the northern Yucatan Peninsula of Mexico where a Tropical Storm Warning and Hurricane Watch are in effect.



For more information go to hurricanes.gov

- Marine Key Messages:
 - Seas to 41 ft in eastern Gulf by Wed
 - Rough seas off northeast Florida by Thu



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:

03 UTC: 11 PM EDT / 10 PM CDT

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



NHC_TAFB

www.nhc.noaa.gov