

IMPACTS FOR D7

Winds/US Coast – None

Winds/SRR – Medium

Waves/US Coastal – None

Waves/SRR – High

through next 5 days

US Storm Surge – None

US Rainfall/Flash Flooding – None

US Tornadoes – None

HURRICANE RAFAEL BRIEFING



4:00 PM EST
Thursday, November 7, 2024

Prepared by:
Brian Adams

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

www.nhc.noaa.gov

Changes Since this Morning

Hurricane Rafael



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NWS National Hurricane Center

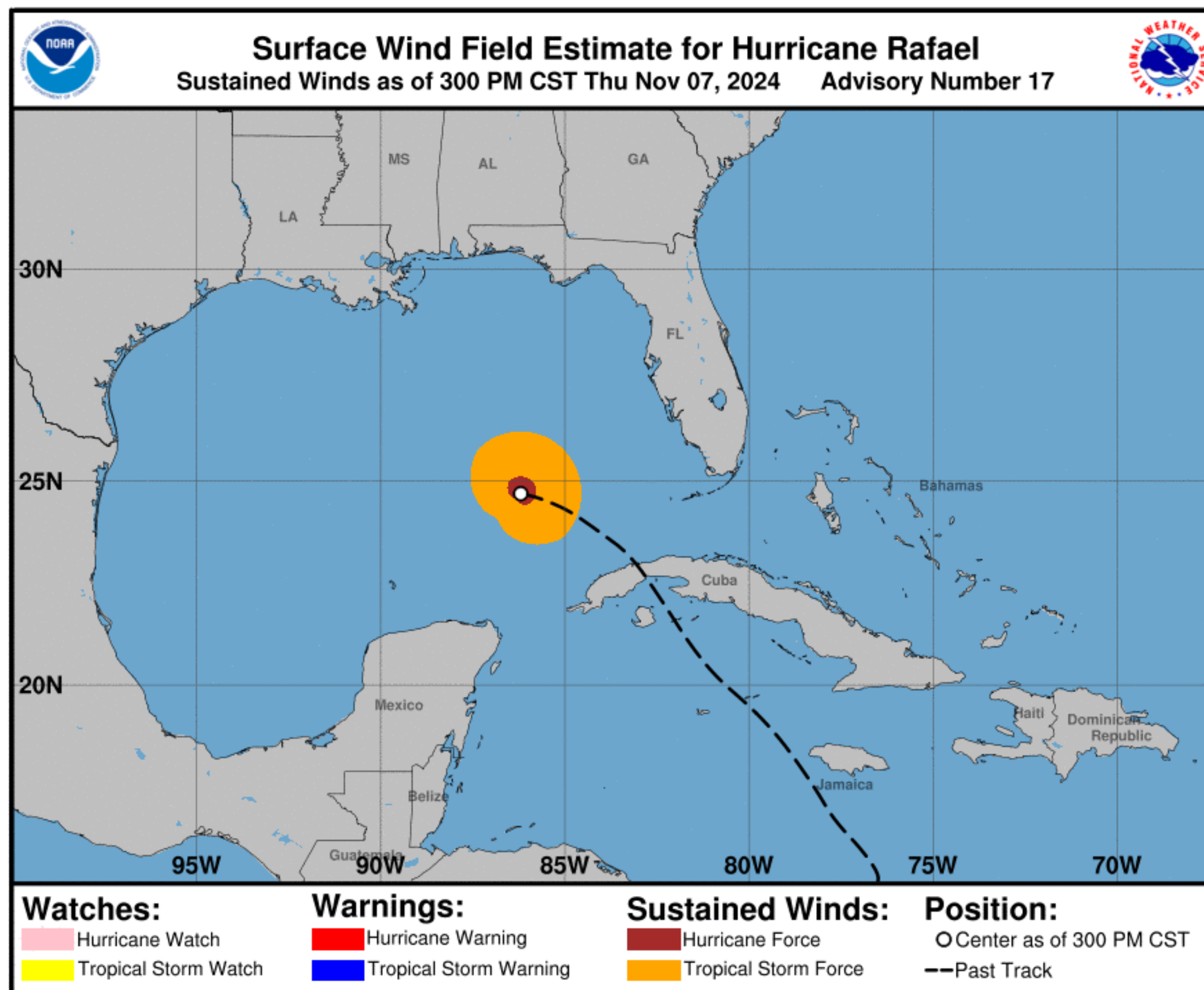
- Rafael continues to move westward away from the D7 waters

Situation Overview

Hurricane Rafael



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...RAFAEL SLIGHTLY STRONGER AND BETTER ORGANIZED...

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

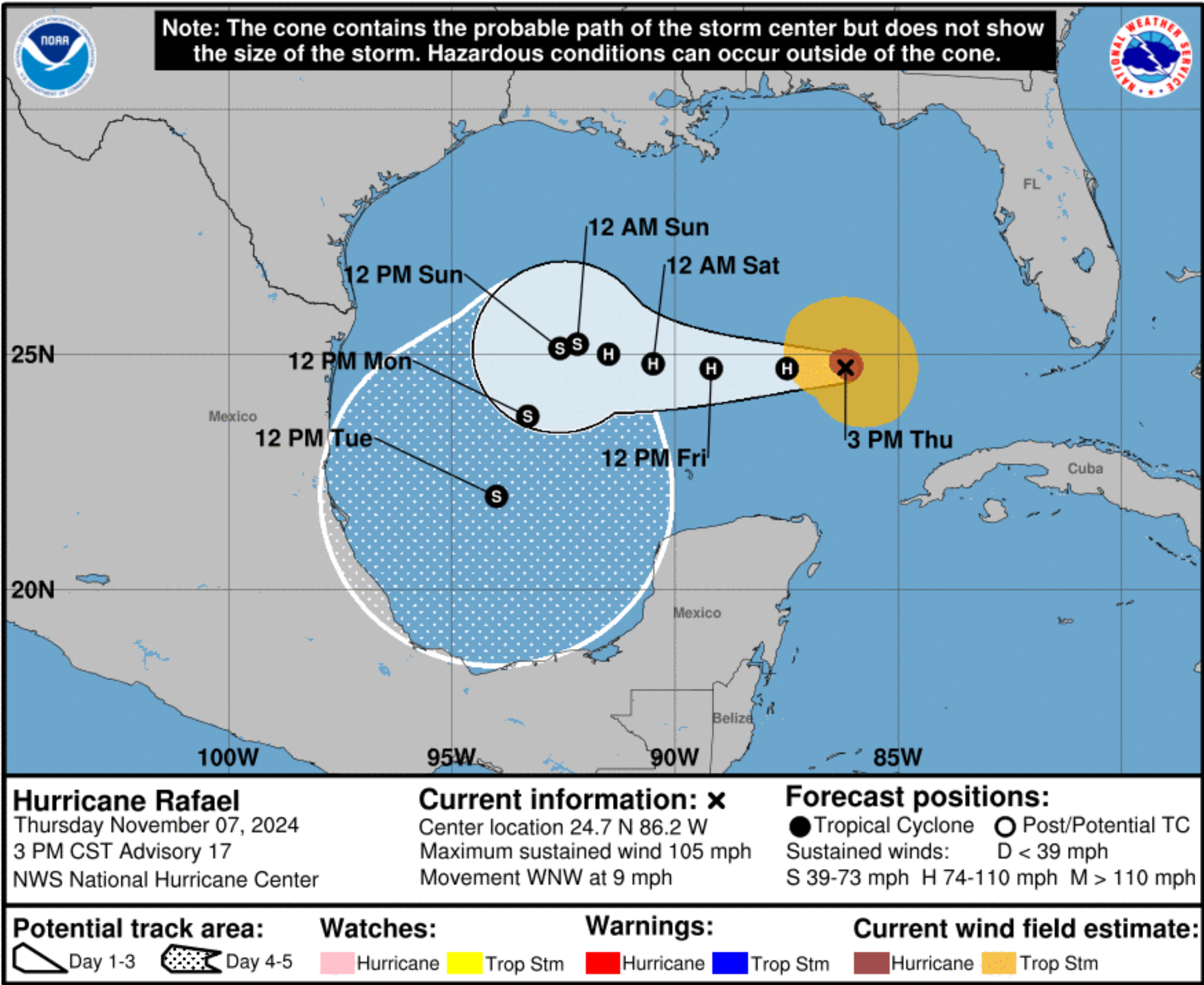
LOCATION...24.7N 86.2W
ABOUT 260 MI...420 KM WNW OF HAVANA
CUBA
MAXIMUM SUSTAINED WINDS...90 KT
PRESENT MOVEMENT...WNW AT 8 KT
12 FT SEAS...135NE 105SE 75SW 120NW.

Forecast Information

Hurricane Rafael



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- Westward track expected to continue through this weekend
- Gradual weakening is forecast as Rafael moves away from D7's SRR

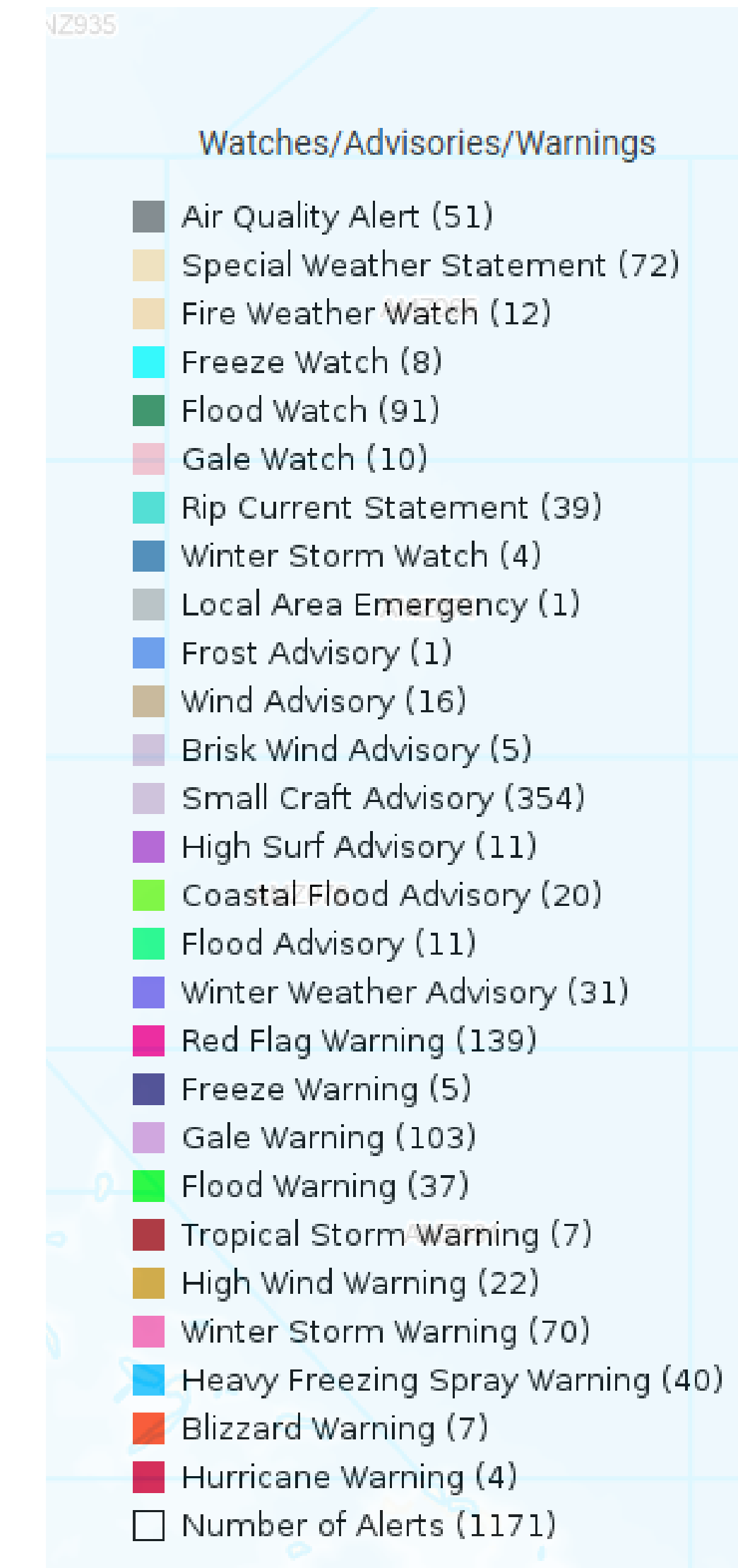
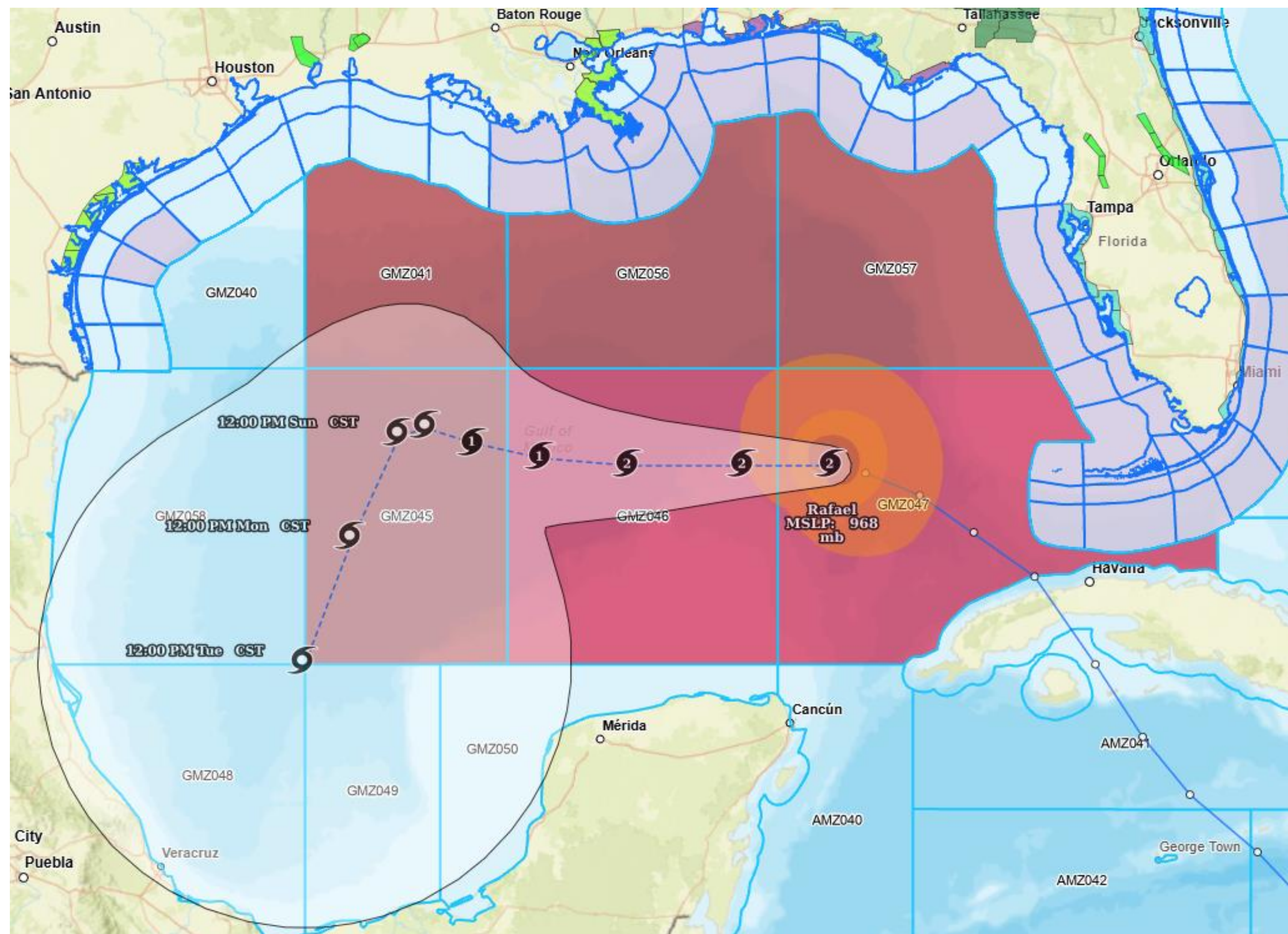
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Hazards Map

Hurricane Rafael



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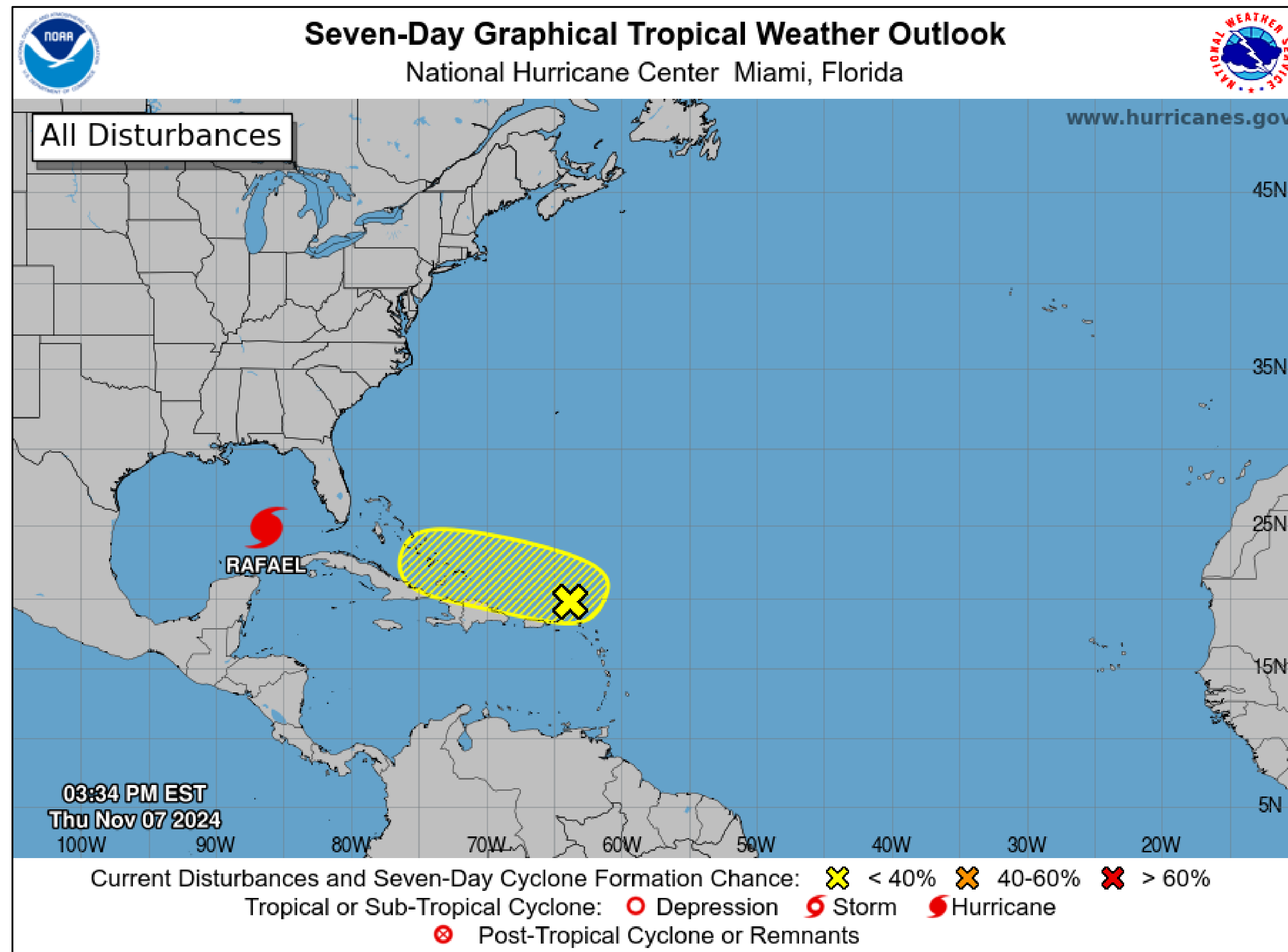


Tropical Weather Outlook

Hurricane Rafael



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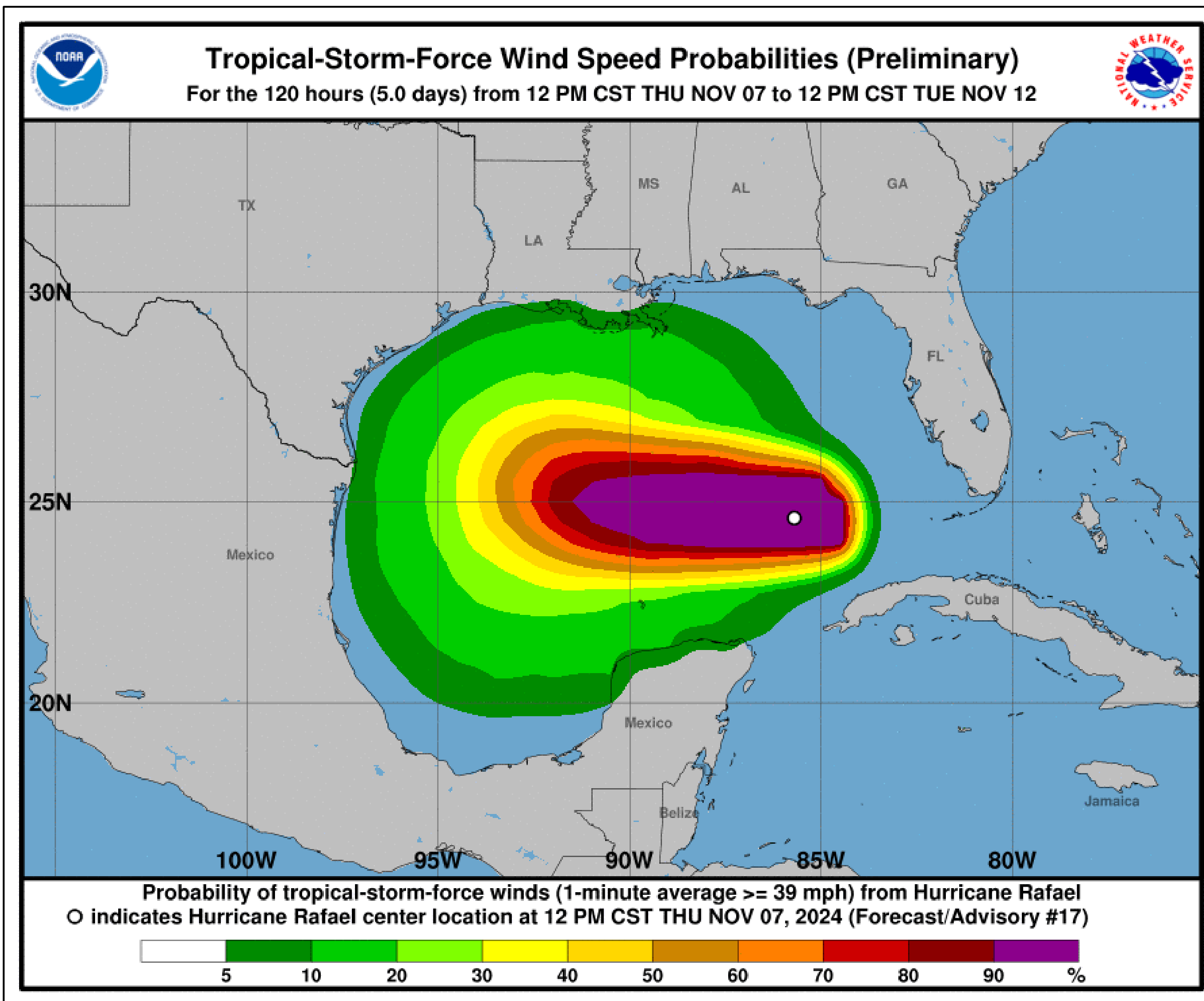
- We continue to monitor a trough of low pressure (yellow area) for potential tropical cyclone formation in the next 48 hours.
- This area has a 20% chance of development in the next 48hrs.
- Beyond the next 48hrs, conditions look to become unfavorable for development.

T.S. Wind Speed Probabilities

Hurricane Rafael



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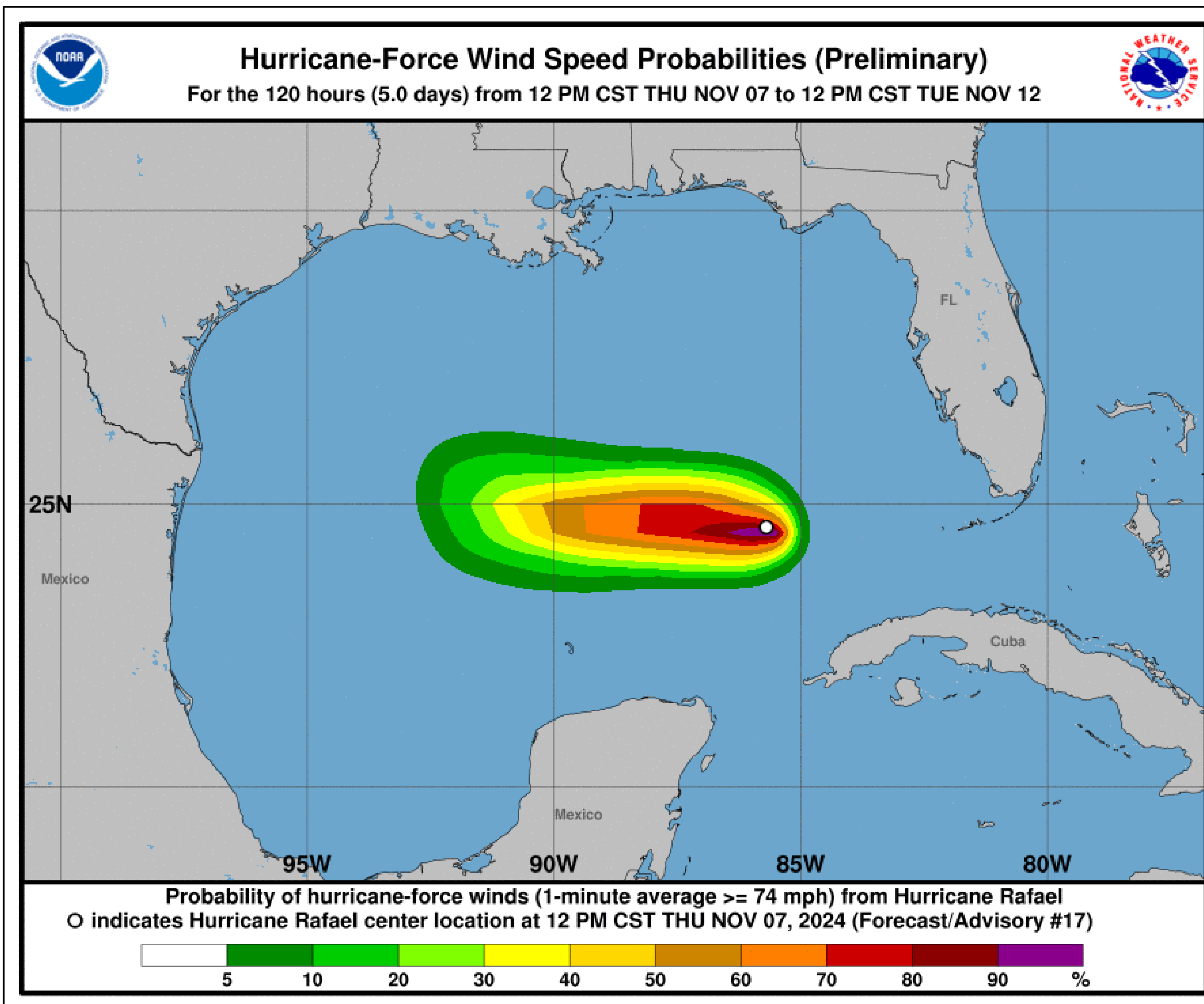
- The threat for TS force winds has diminished across D7's land area.

Hurricane Wind Speed Probabilities

Hurricane Rafael



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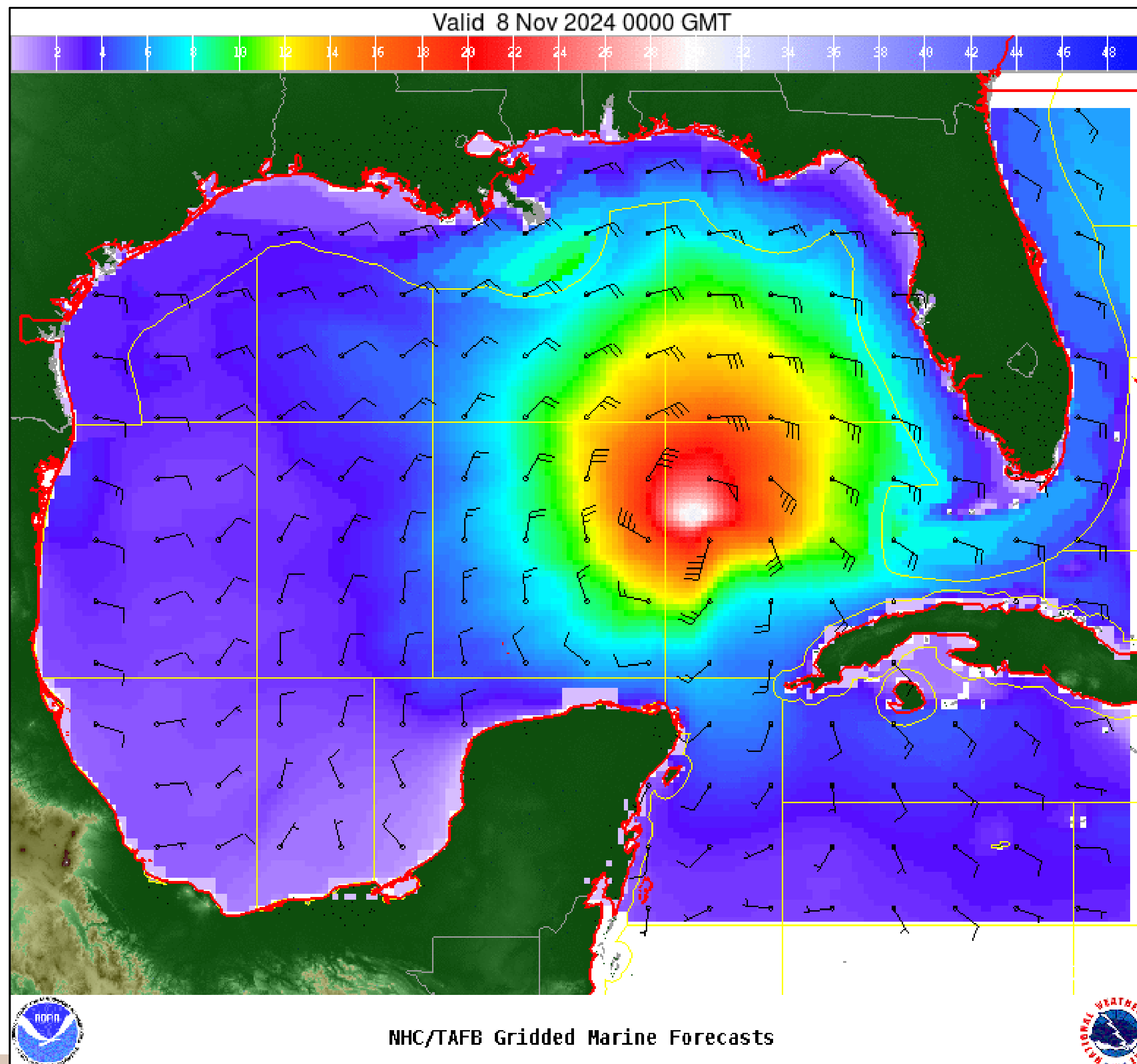
- The threat for hurricane force winds has also diminished.

Wind And Waves

Hurricane Rafael



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12 Hour Forecast

This Evening

Peak Winds: 90 kt

Peak Seas: 30 ft

- Wave heights are in feet



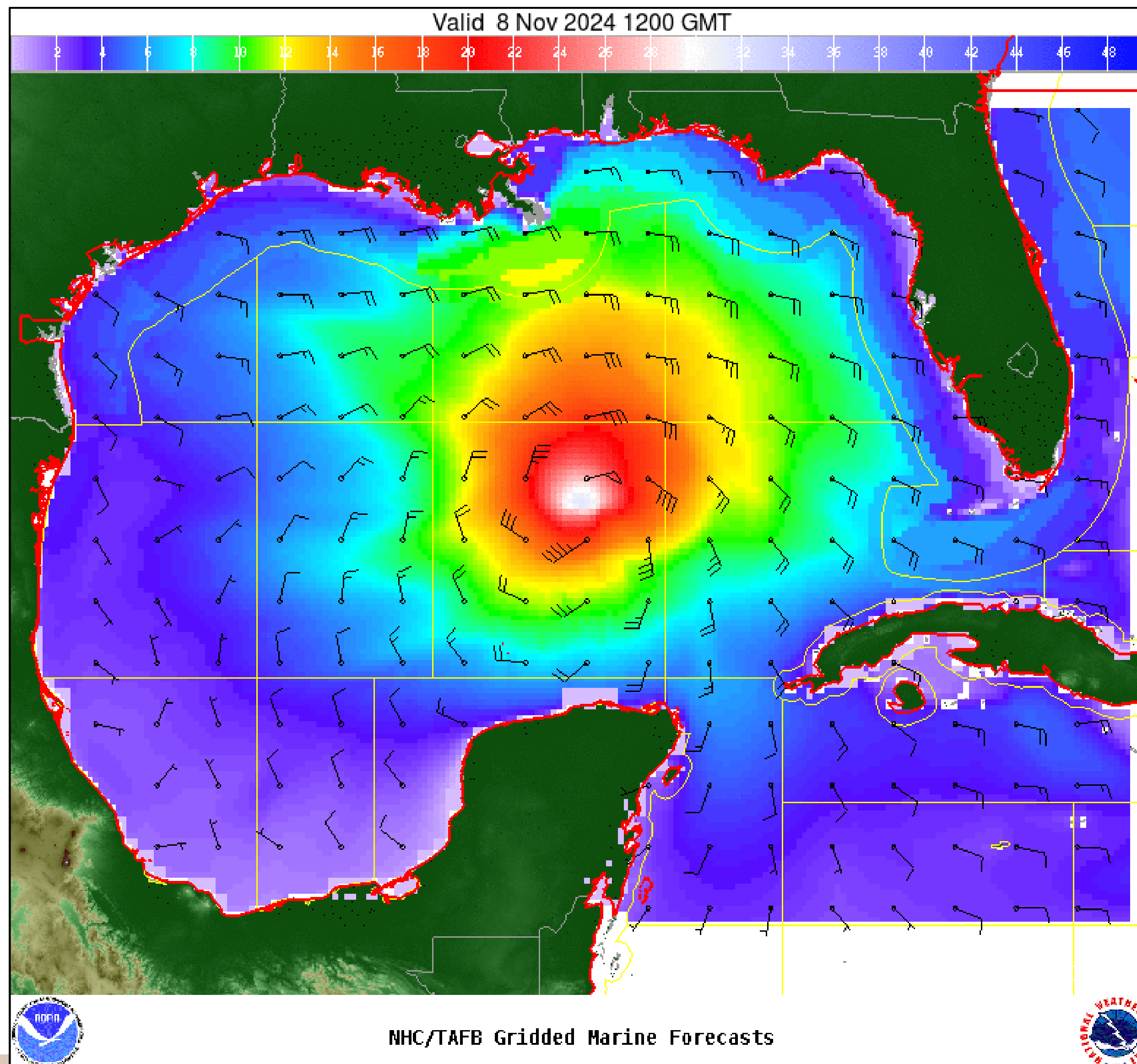
Significant Wave Height (ft)

Wind And Waves

Hurricane Rafael



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24 Hour Forecast

Friday morning

Peak Winds: 90 kt

Peak Seas: 30 ft

■ Wave heights are in feet



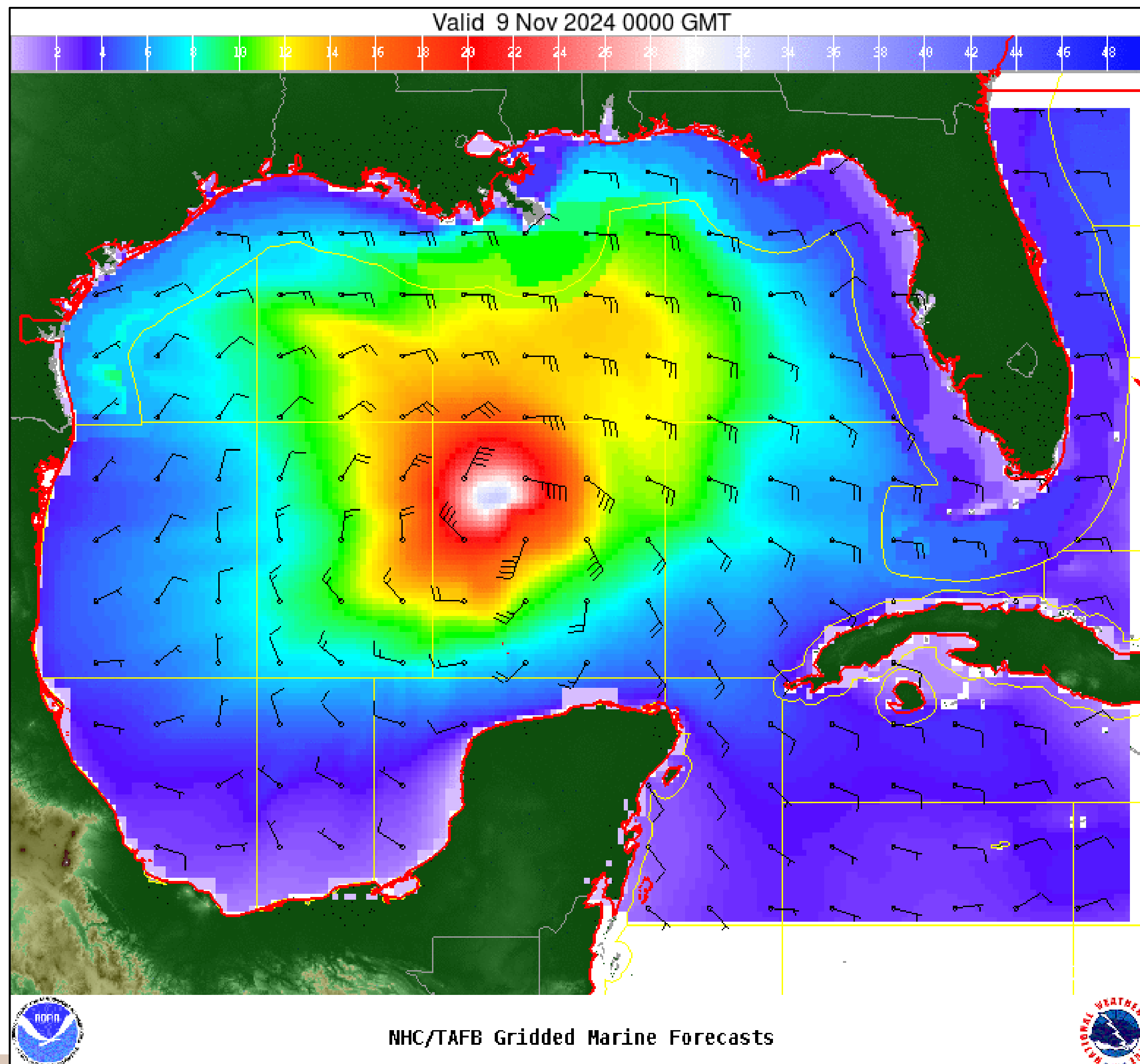
Significant Wave Height (ft)

Wind And Waves

Hurricane Rafael



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36 Hour Forecast

Friday evening

Peak Winds: 80 kt

Peak Seas: 30 ft

■ Wave heights are in feet



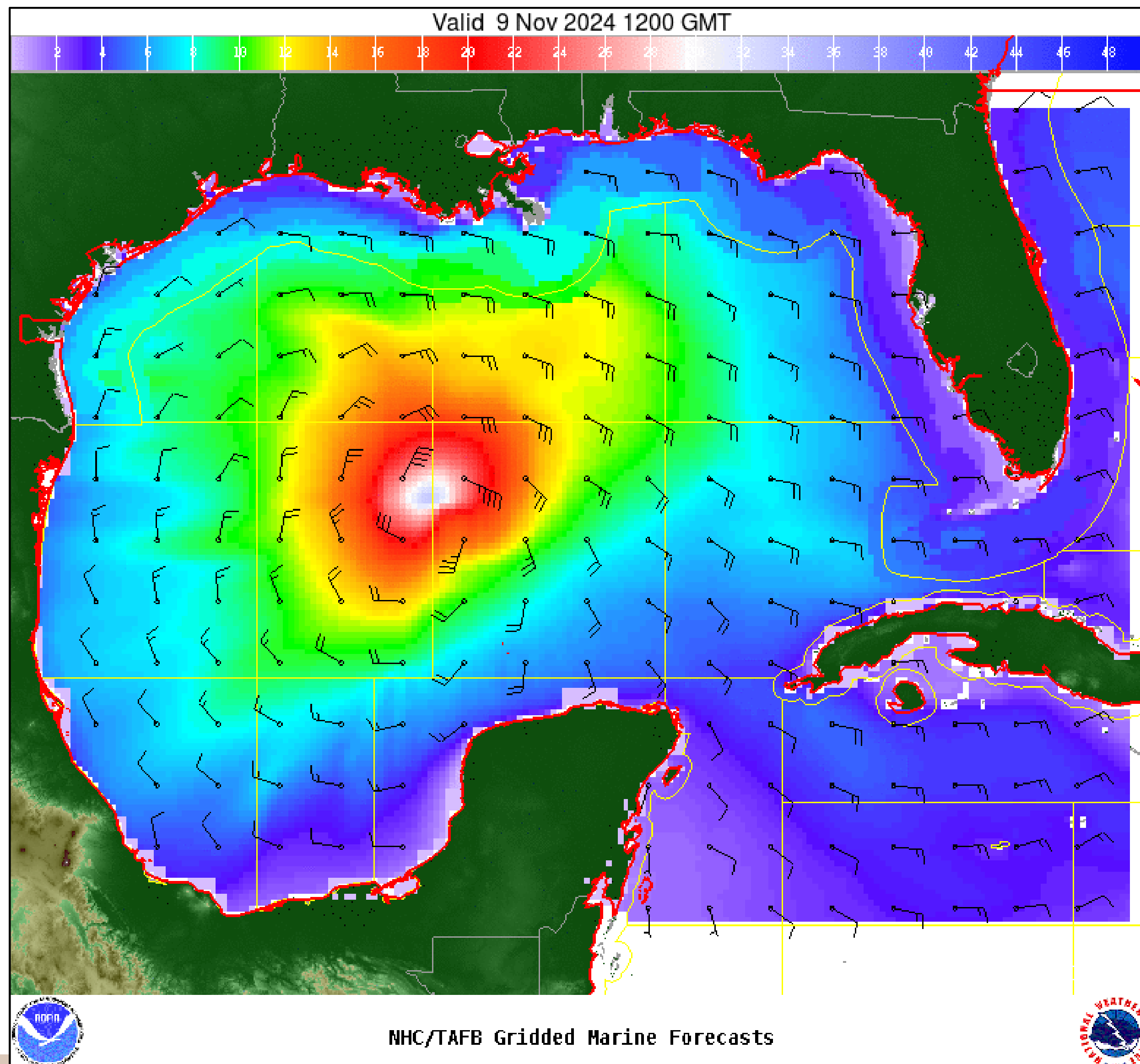
Significant Wave Height (ft)

Wind And Waves

Hurricane Rafael



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48 Hour Forecast

Saturday morning

Peak Winds: 70 kt

Peak Seas: 30 ft

■ Wave heights are in feet



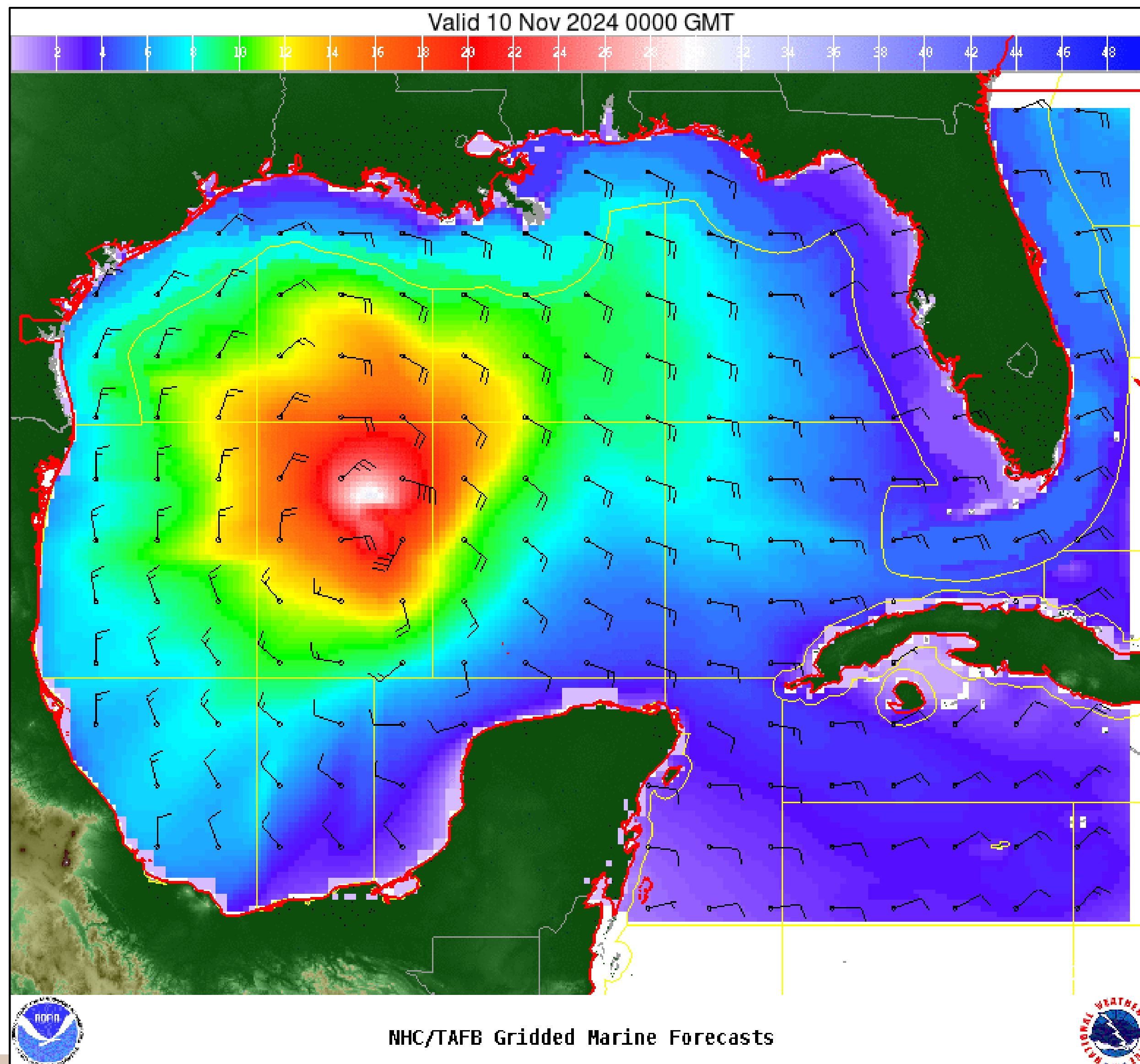
Significant Wave Height (ft)

Wind And Waves

Hurricane Rafael



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60 Hour Forecast

Saturday evening

Peak Winds: 60 kt

Peak Seas: 30 ft

■ Wave heights are in feet



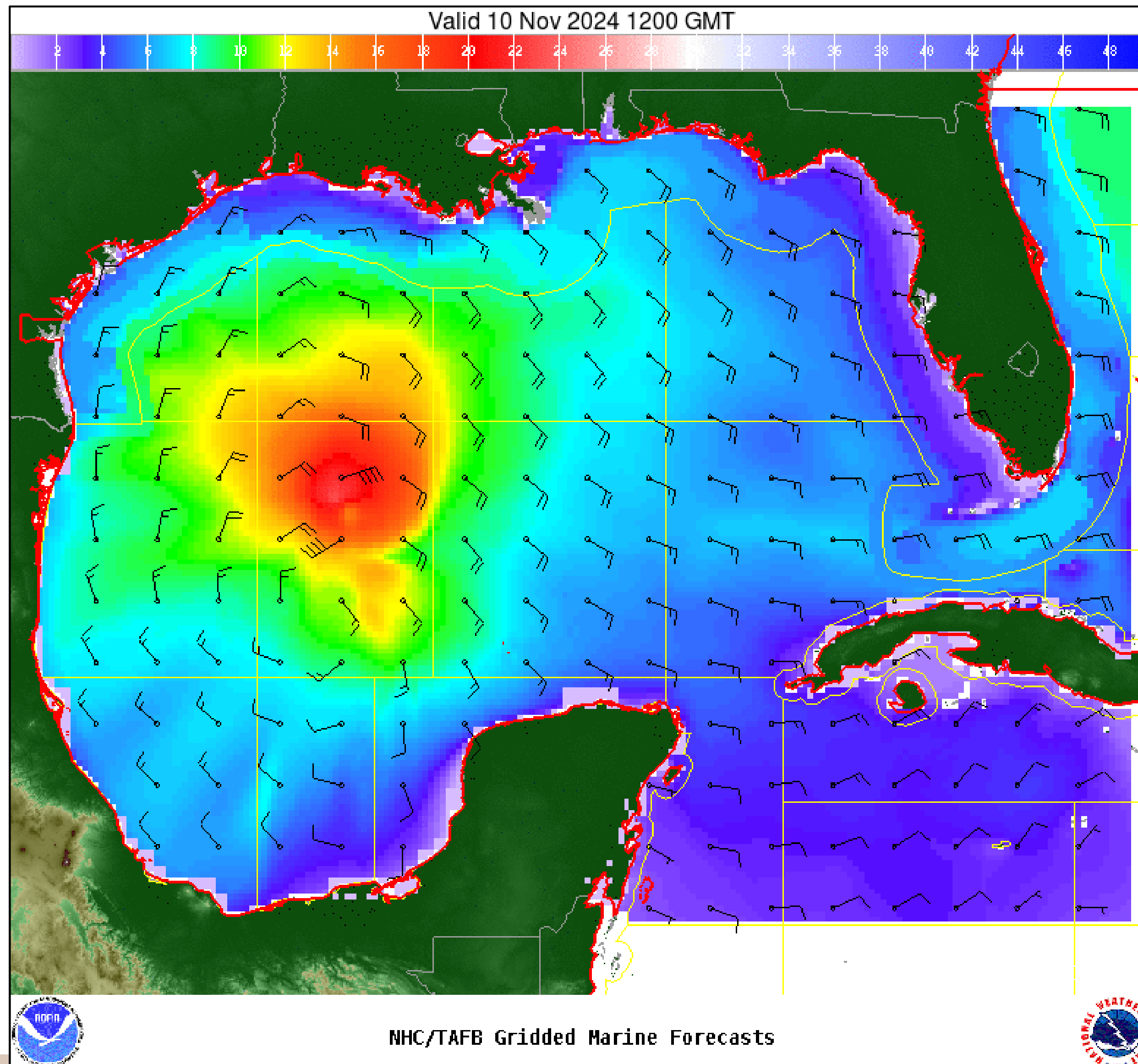
Significant Wave Height (ft)

Wind And Waves

Hurricane Rafael



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72 Hour Forecast

Sunday morning

Peak Winds: 50 kt

Peak Seas: 25 ft

■ Wave heights are in feet



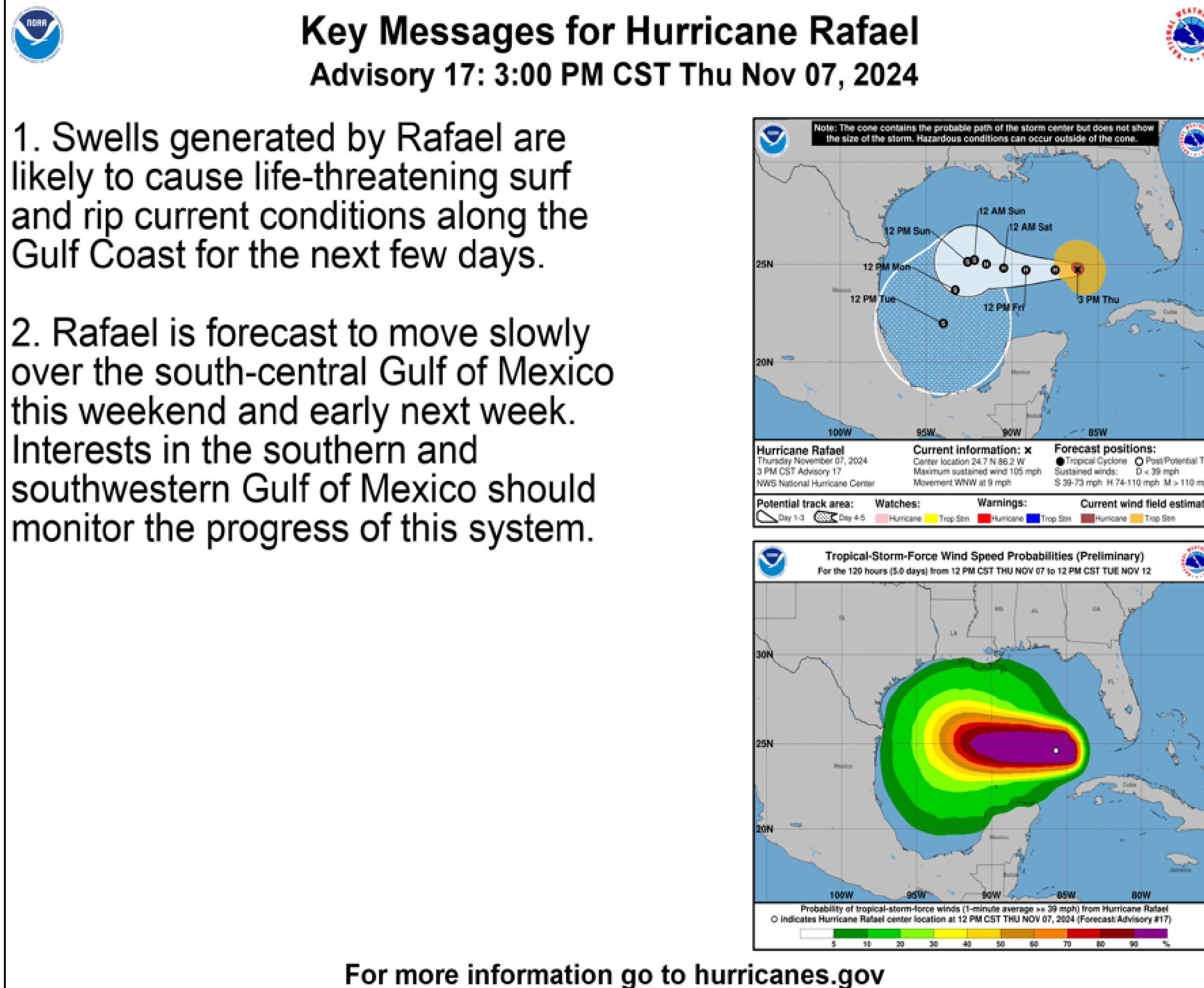
Significant Wave Height (ft)

Key Messages

Hurricane Rafael



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NWS National Hurricane Center



For more information go to hurricanes.gov

- Marine Key Messages:
- Any remaining impacts will end this evening.

IMPACTS FOR D7

Winds/US Coast – None

Winds/SRR – Medium

Waves/US Coastal – None

Waves/SRR – High



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:
3 UTC: 10 PM

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



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www.nhc.noaa.gov