IMPACTS FOR District 7

Winds/US Coast – Low

Winds/SRR – High

Waves/US Coastal - Low

Waves/SRR – High

through next 5 days

US Storm Surge – none

US Rainfall/Flash Flooding – none

US Tornadoes – none

HURRICANE RAFAEL BRIEFING



8:30 AM EST

Thursday, November 7, 2024

Prepared by:

Stephen Konarik

Tropical Analysis and Forecast Branch NWS National Hurricane Center

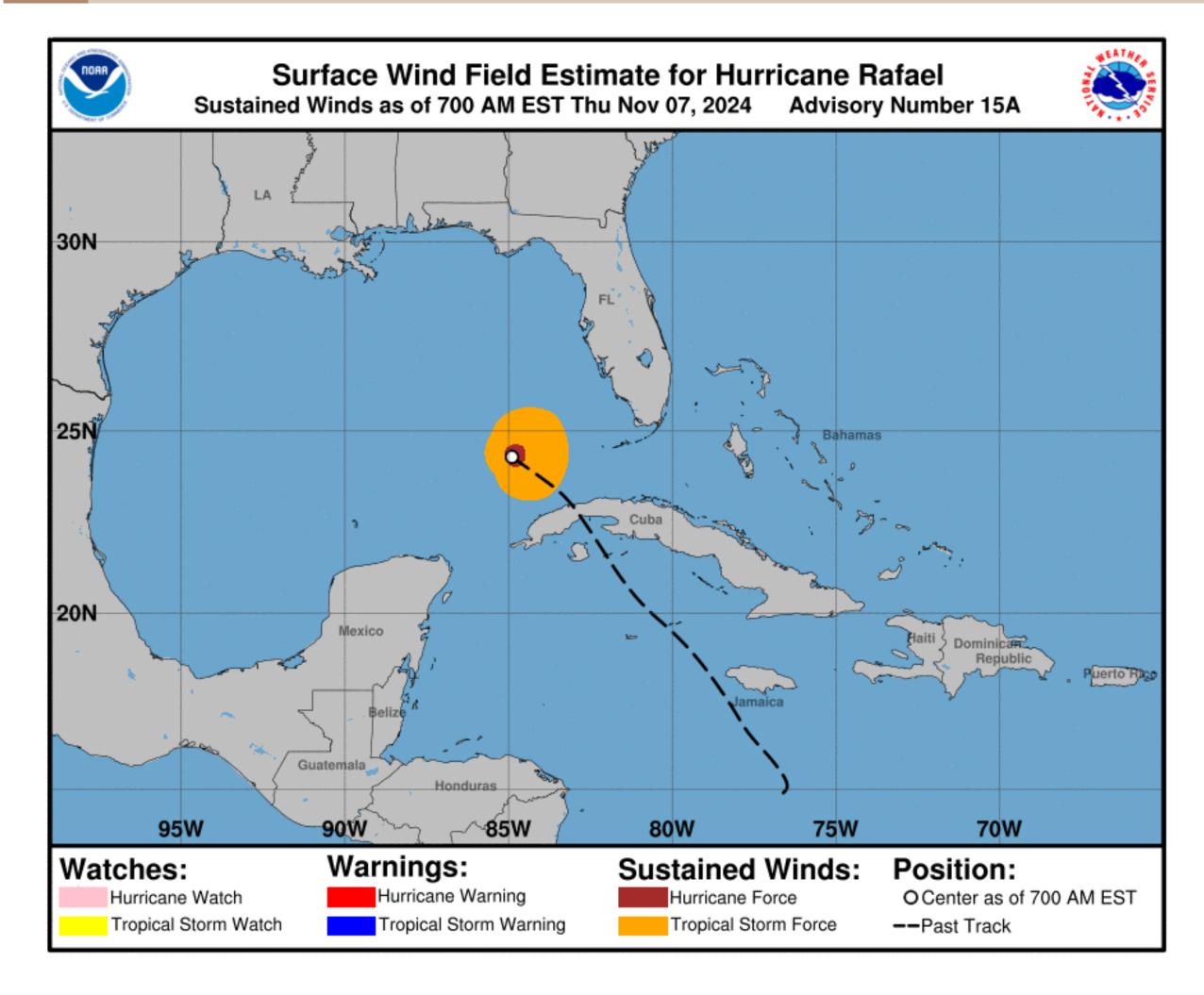




- Rafael has emerged into the SE Gulf
- Weakened slight to a Category Two Storm
- All land Tropical Storm and Hurricane Watches and Warnings cancelled

11/7/2024 7:48 AM

Hurricane Rafael



...AIR FORCE AND NOAA HURRICANE HUNTERS CURRENTLY INVESTIGATING RAFAEL...

SUMMARY OF 700 AM EST... I 200 UTC...

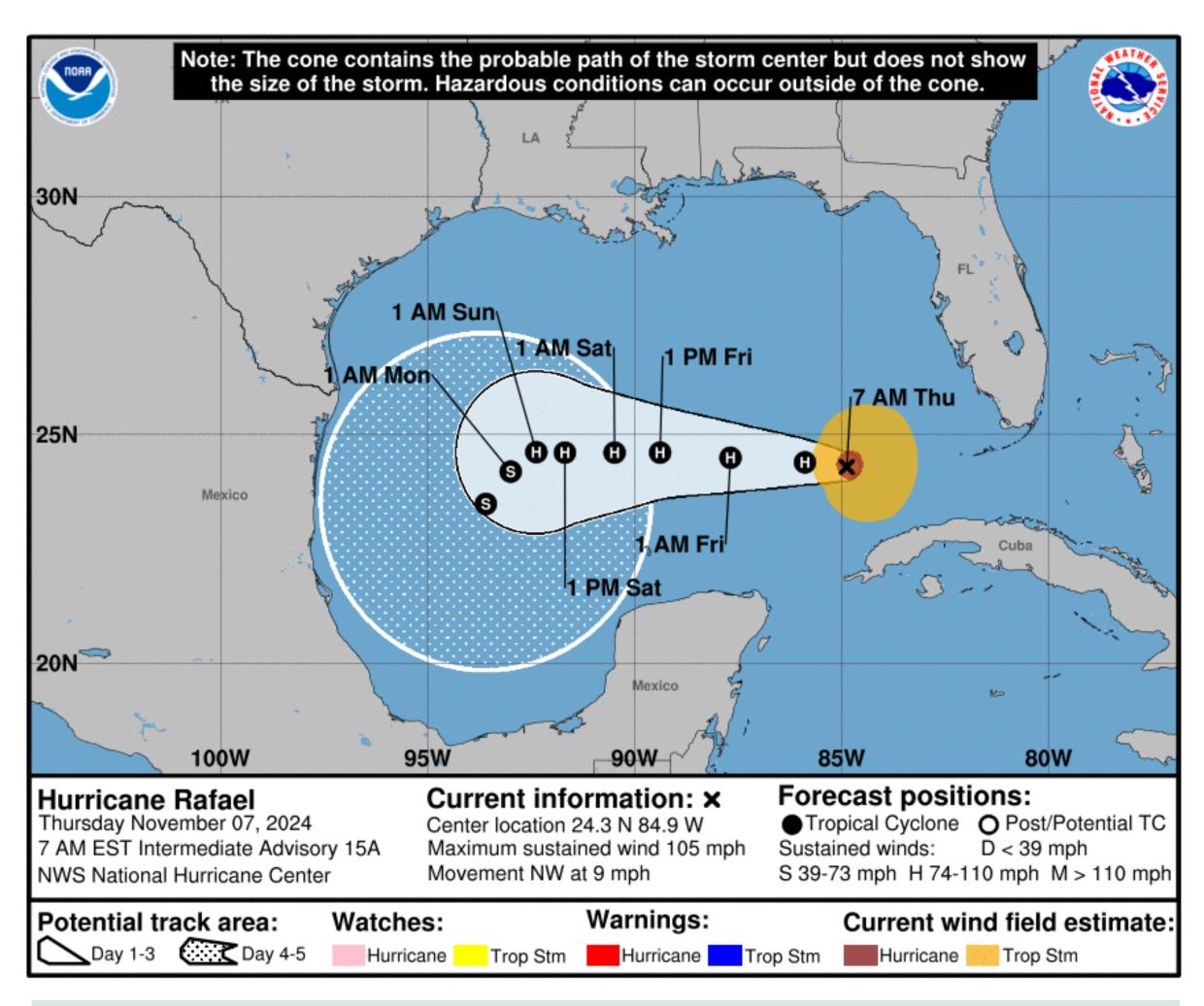
LOCATION...24.3N 84.9W
ABOUT 180 NM W of Key West, FL
MAXIMUM SUSTAINED WINDS...90 KT
PRESENT MOVEMENT...NW AT 8 KT

12 FT SEAS.. 90NE 90SE 75SW 75NW.

Forecast Information

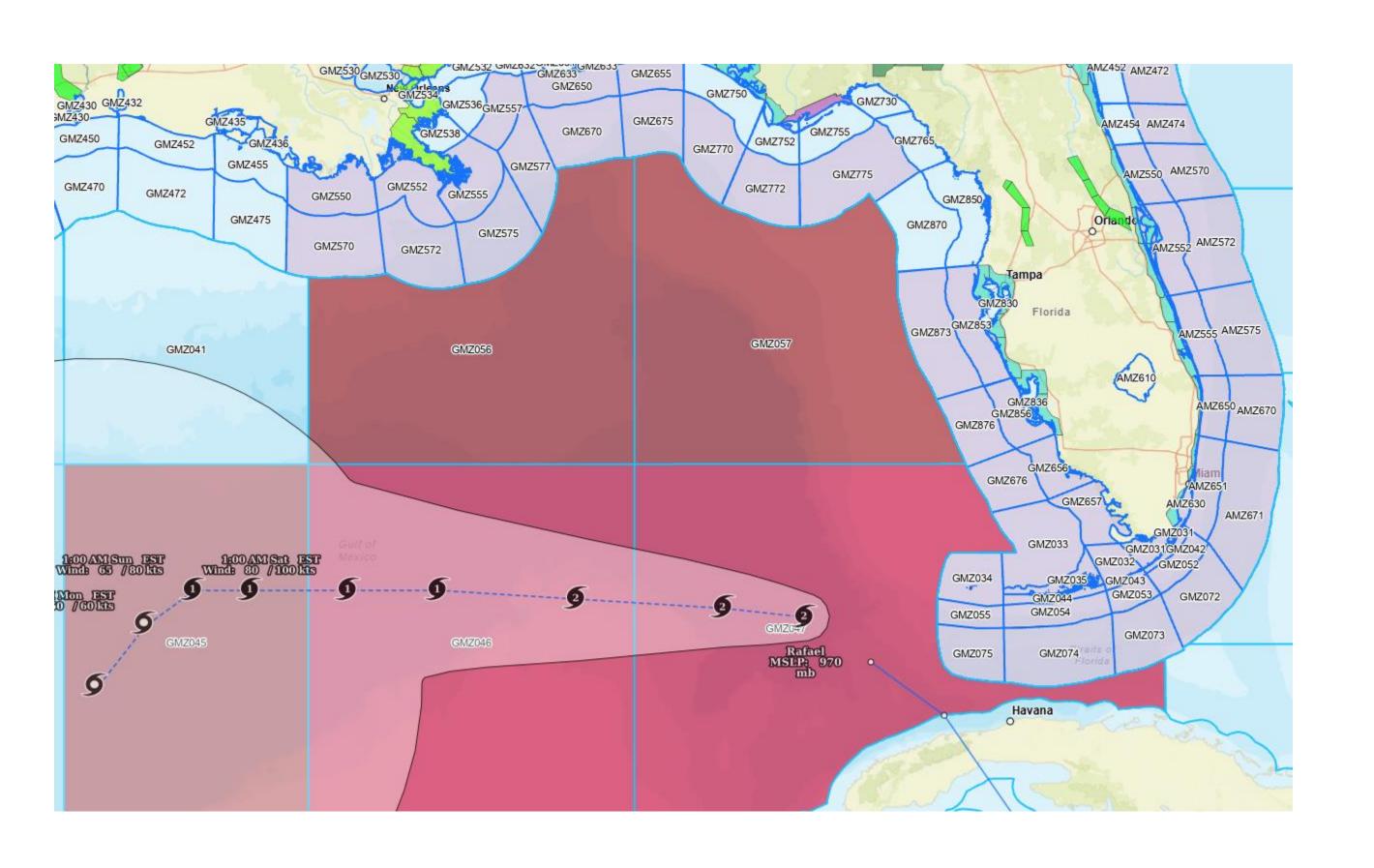
Hurricane Rafael





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

- Westward track expected to continue through the weekend
- Gradually weakening is forecast
- Moving away from District 7's SRR

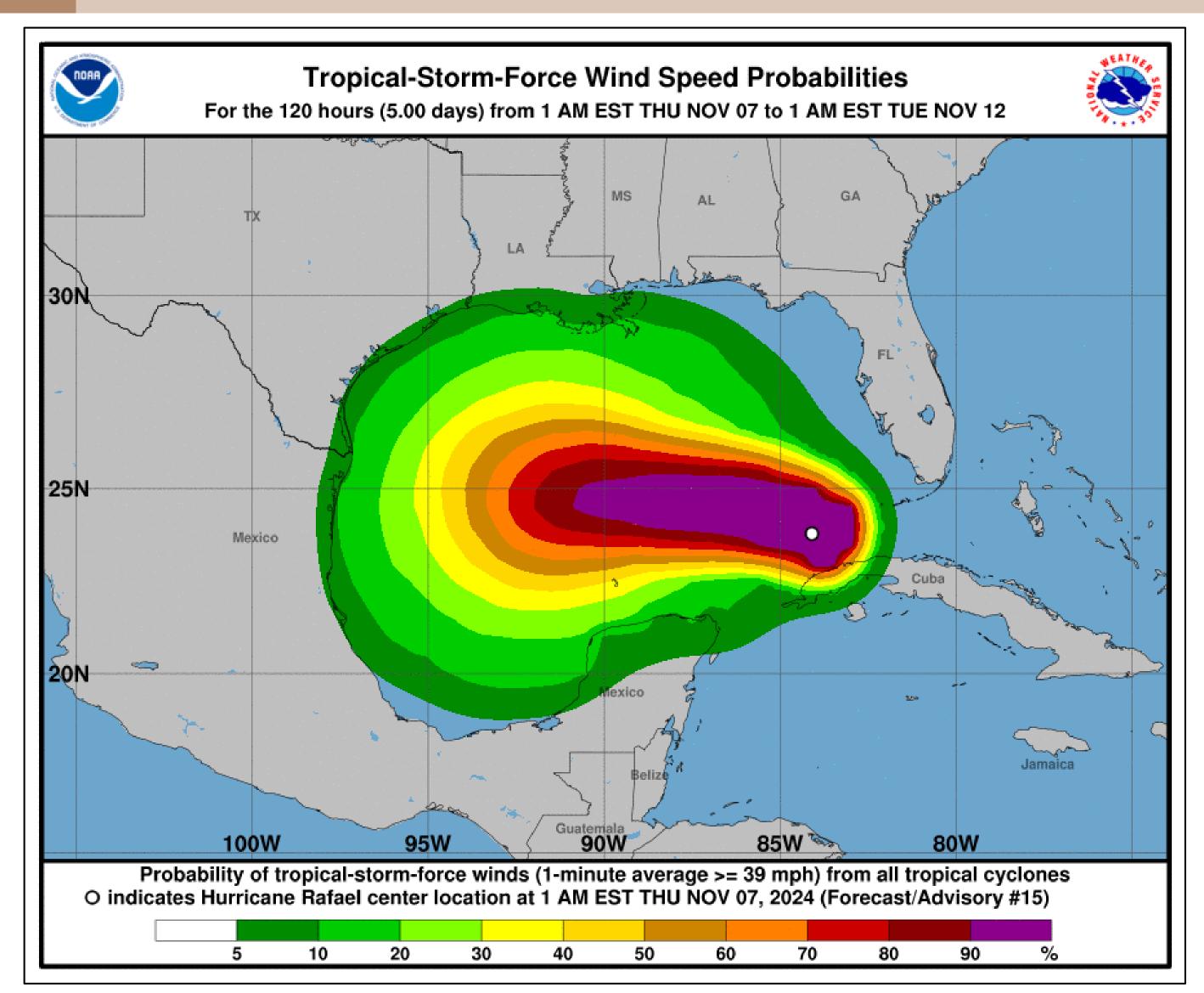


Small Craft Advisory
 Tropical Storm Warning
 Hurricane Warning

T.S. Wind Speed Probabilities

Hurricane Rafael



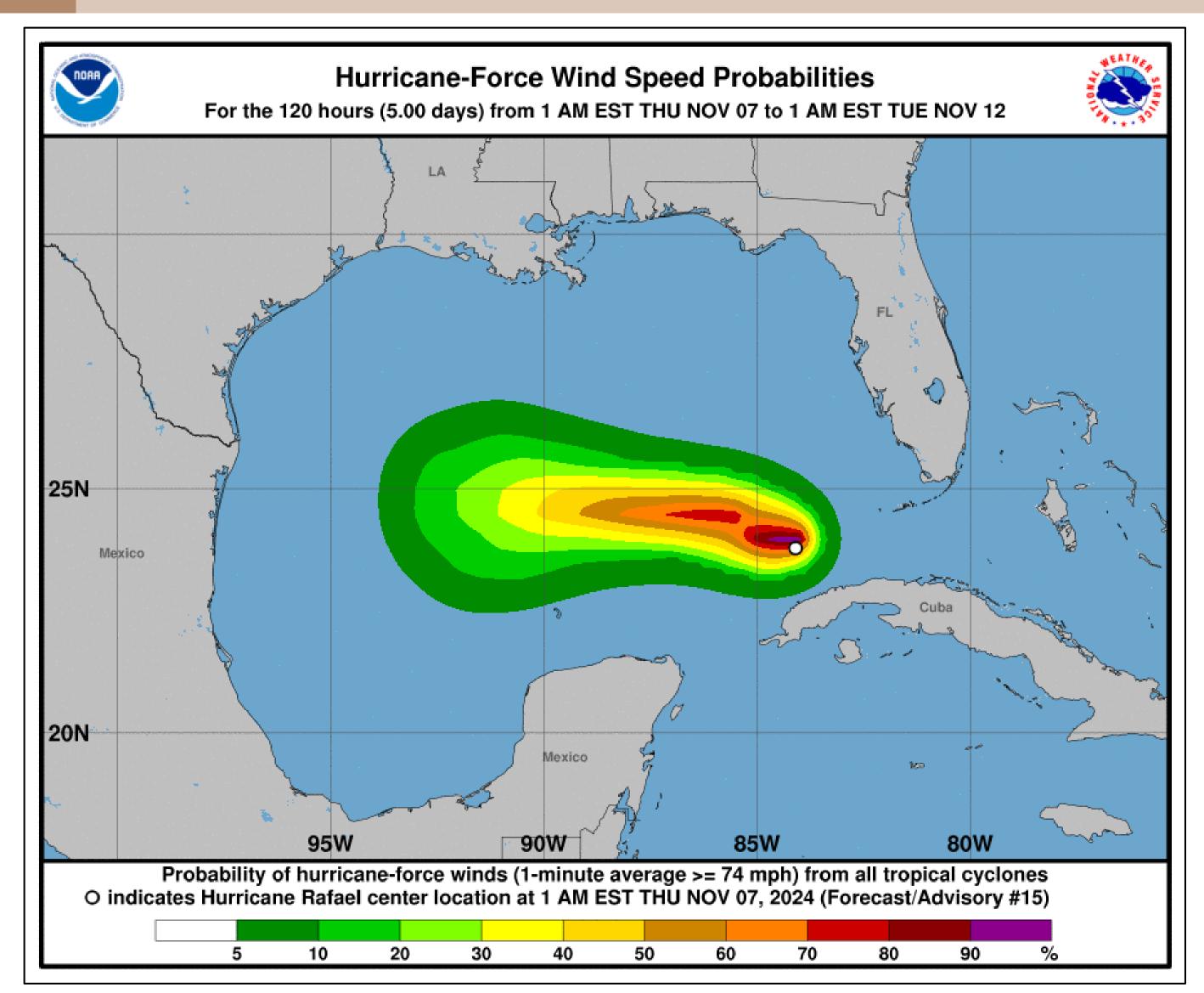


Probability of TS force (34+ kt) winds now under 5% all District 7 land areas.

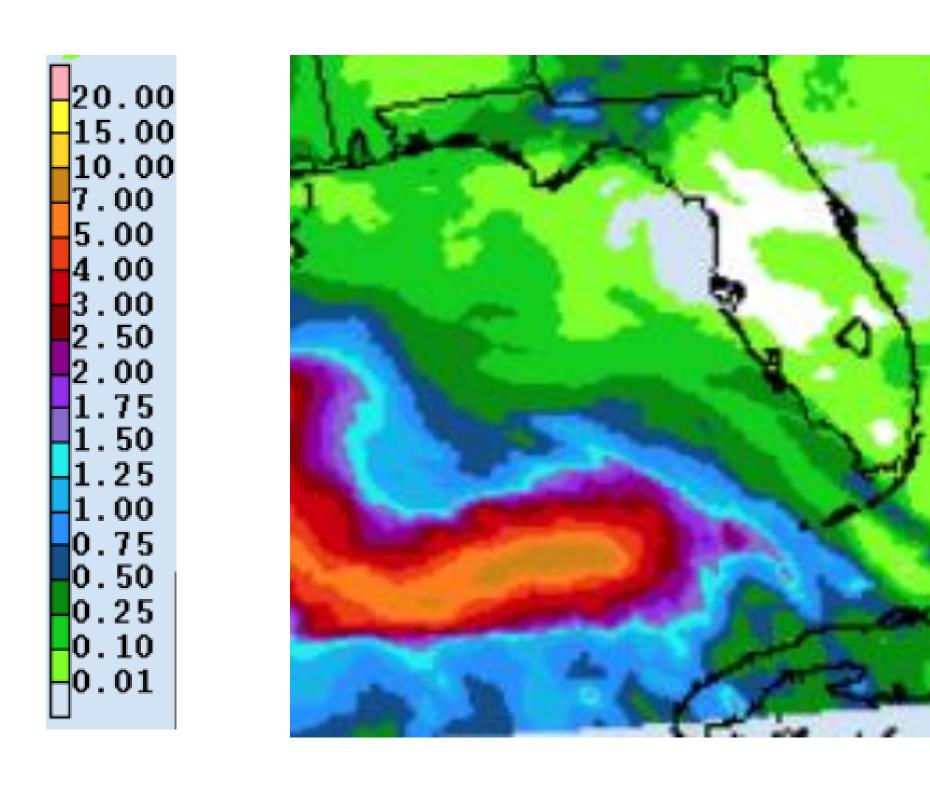
Hurricane Wind Speed Probabilities

Hurricane Rafael





- Still some hurricane force winds in SE Gulf of Mexico
- No expectation of hurricane force winds over/near any land areas

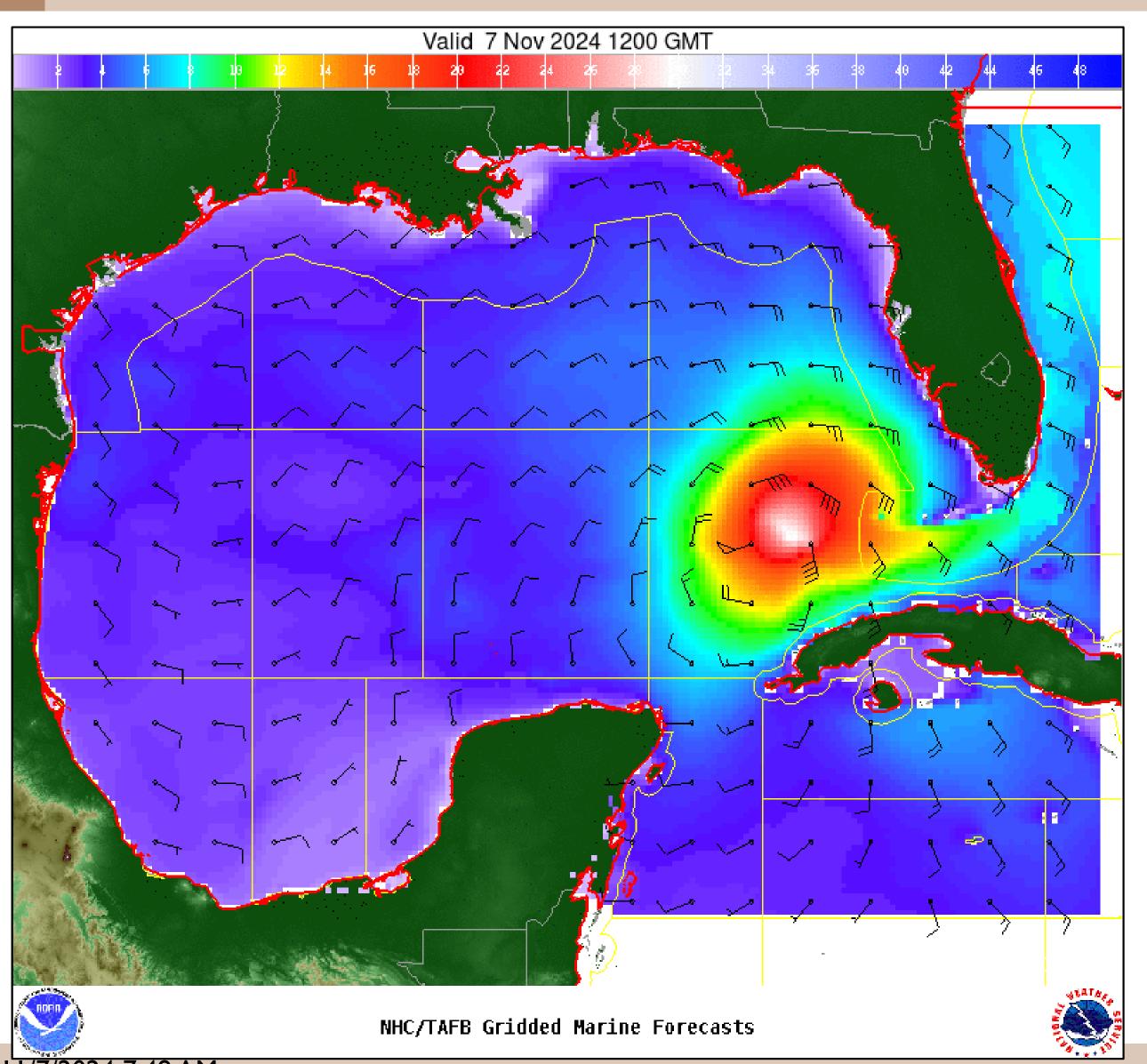


Aside from a few outer-most rain bands over the Florida Keys, little rainfall is anticipated.

No Storm Surge or Rainfall Flooding is expected.

Hurricane Rafael





Current Conditions (7 AM EST Thursday)

Peak Winds: 90 kt

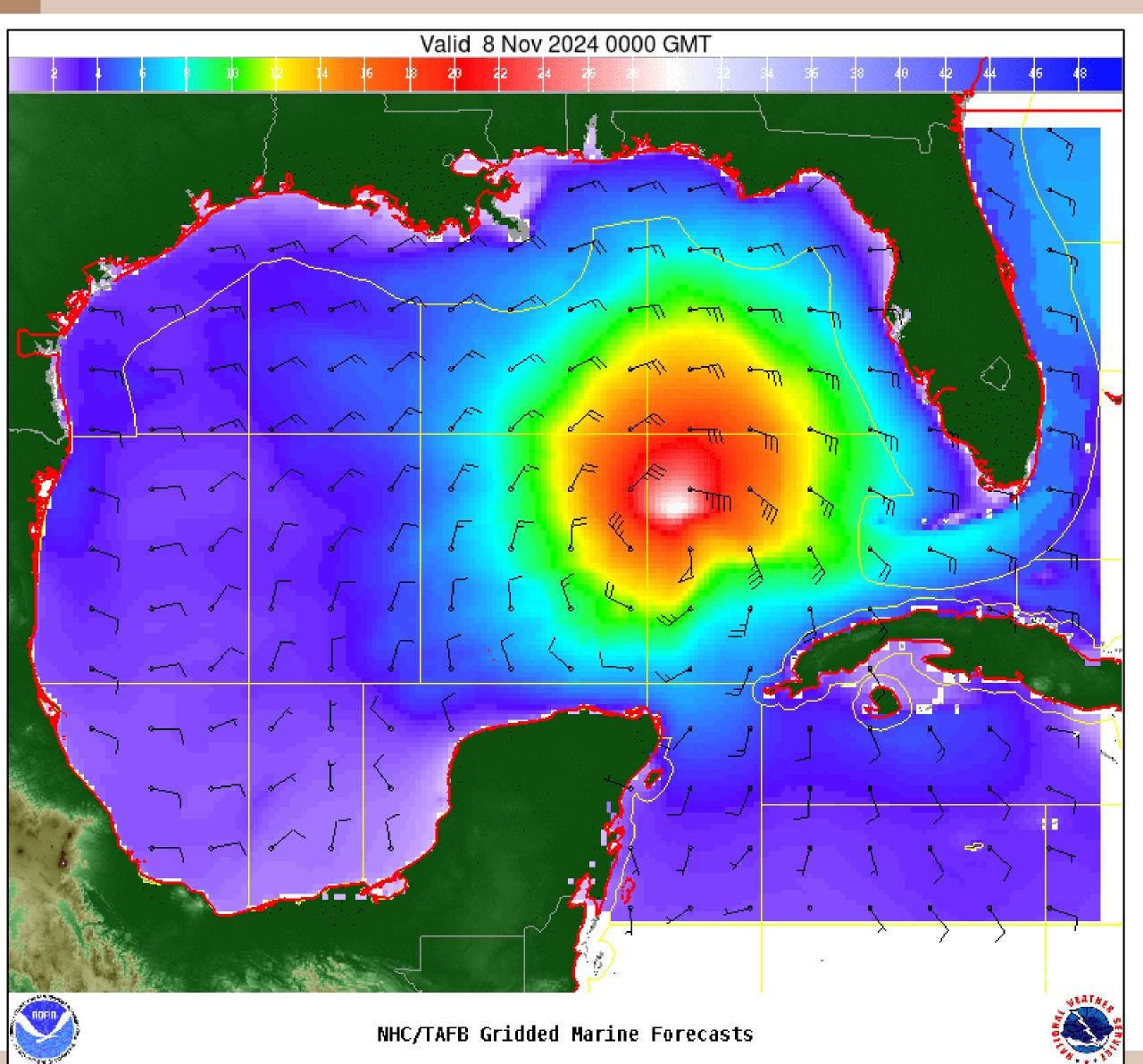
Peak Seas: 30 ft

Wave heights are in feet



Hurricane Rafael





This evening (7 PM EST Thursday)

Peak Winds: 85 kt

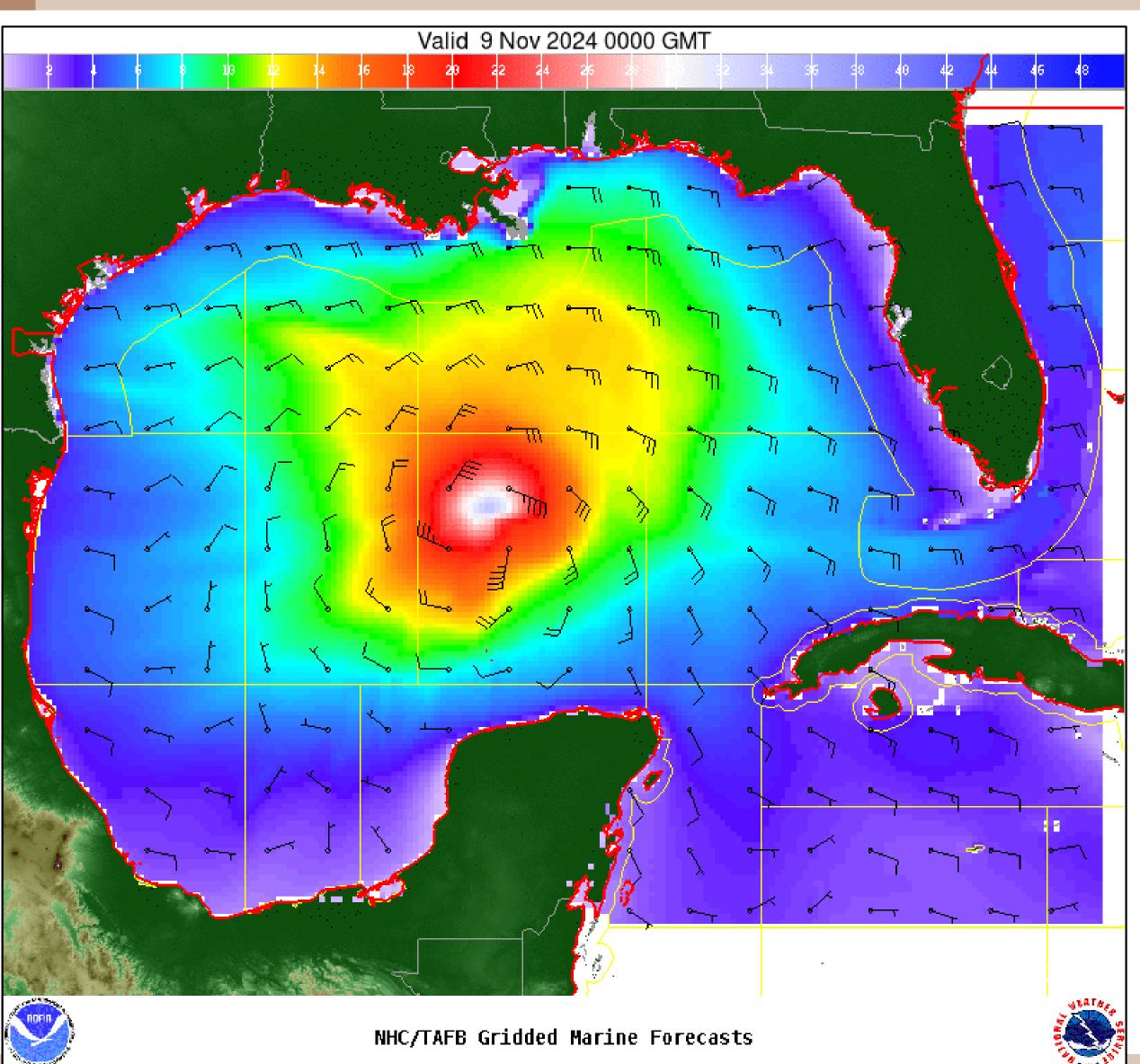
Peak Seas: 30 ft

Wave heights are in feet



Hurricane Rafael





Friday evening (7 PM EST)

Peak Winds: 80 kt

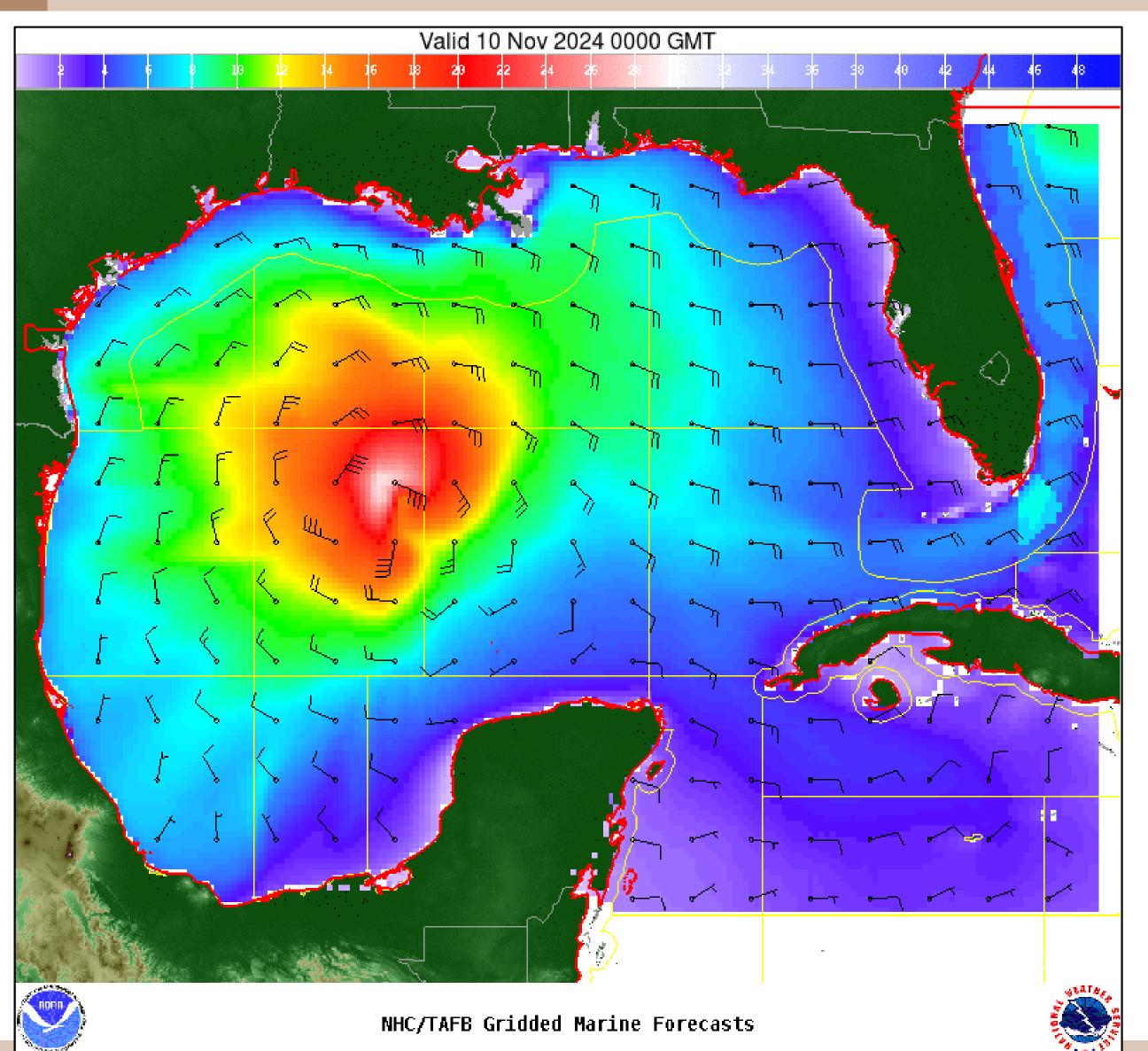
Peak Seas: 30 ft

Wave heights are in feet



Hurricane Rafael





Saturday evening (7 PM EST)

Peak Winds: 70 kt

Peak Seas: 30 ft

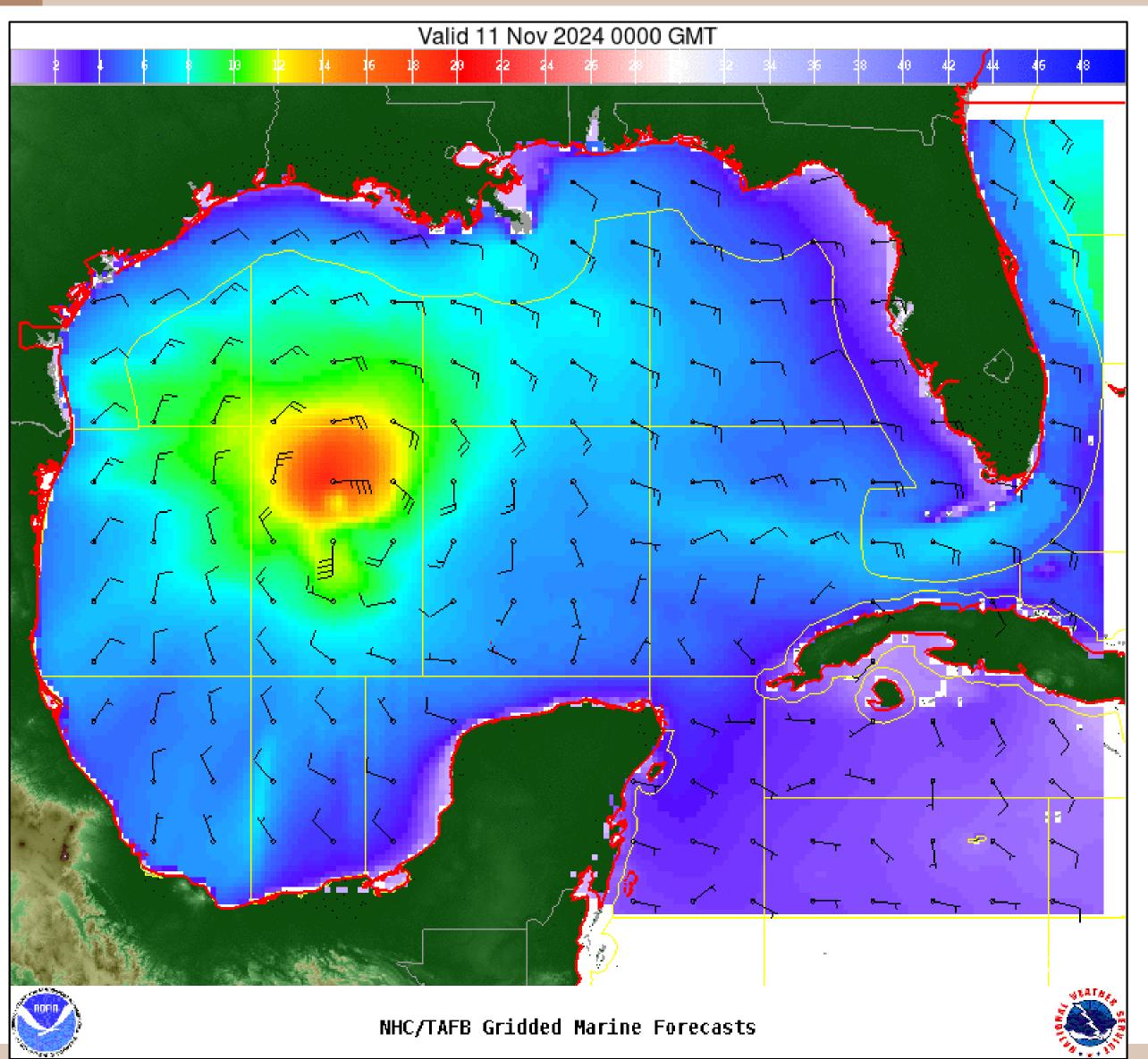
Wave heights are in feet



Hurricane Rafael



Tropical Analysis and Forecast Branch NWS National Hurricane Center



Sunday evening (7 PM EST)

Peak Winds: 60 kt

Peak Seas: 20 ft

Wave heights are in feet



Hurricane Rafael



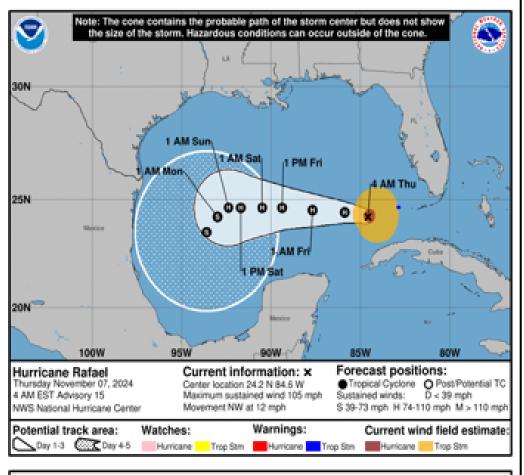
Tropical Analysis and Forecast Branch NWS National Hurricane Center



this morning.

Key Messages for Hurricane Rafael Advisory 15: 4:00 AM EST Thu Nov 07, 2024

- Tropical-storm-force winds are expected in the Dry Tortugas through
- 2. Hurricane Rafael will continue to bring periods of heavy rain to western Cuba today. Flash flooding and mudslides are possible along the higher terrain.
- 3. Rafael is forecast to meander over the south-central Gulf of Mexico this weekend and early next week. Interests in the southern and southwestern Gulf of Mexico should monitor the progress of this system.





For more information go to hurricanes.gov

Marine Key Messages:

- No land-based warnings in effect; little further impacts anticipated on land
- Hurricane-force winds and very hazardous seas (to 30 ft) still expected over parts of SE Gulf into Thursday night

IMPACTS FOR District 7

Winds/US Coast - Low

Winds/SRR – High

Waves/US Coastal - Low

Waves/SRR - High

This briefing was prepared by:
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TIME of NEXT NHC Advisory:

15 UTC: 10 AM EST

HURRICANE RAFAEL BRIEFING

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

The Next Briefing (Via Email) Will Be: Thursday 6:00 PM EST

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

