

IMPACTS FOR D7 (through next 5 days)

Winds – Low to Medium

Storm Surge – Low to Medium

Rainfall/Flash Flooding – Medium to High

Tornadoes – Low

Waves – Low to Medium

INVEST 91 BRIEFING

8:15 AM EDT

Thursday, June 2, 2022

Prepared by:

Amanda Reinhart

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

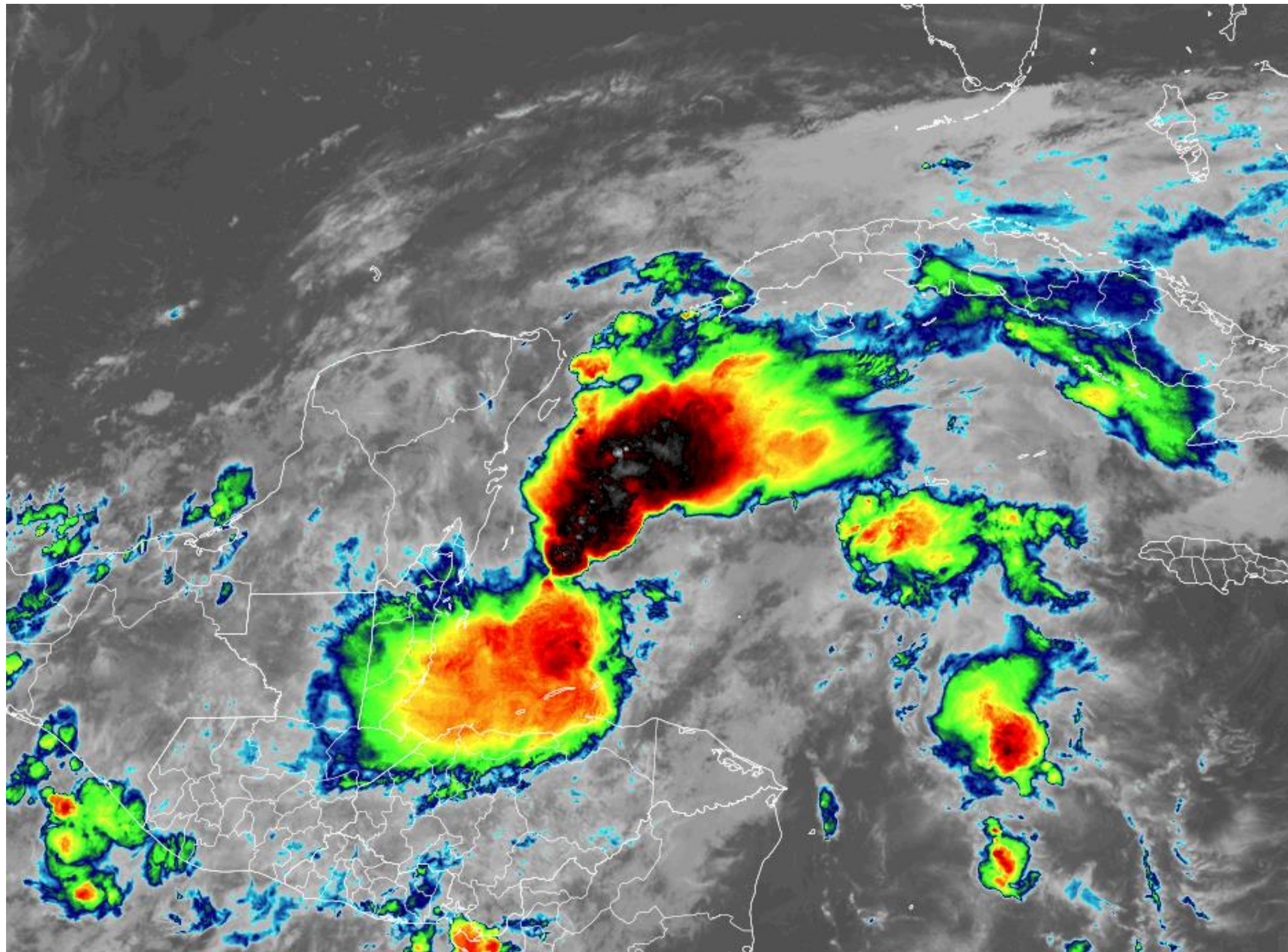
www.nhc.noaa.gov

Current Satellite View

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NW Caribbean Disturbance
AL 91

Summary of 815 AM EDT Information

Peak Winds: 25 kt

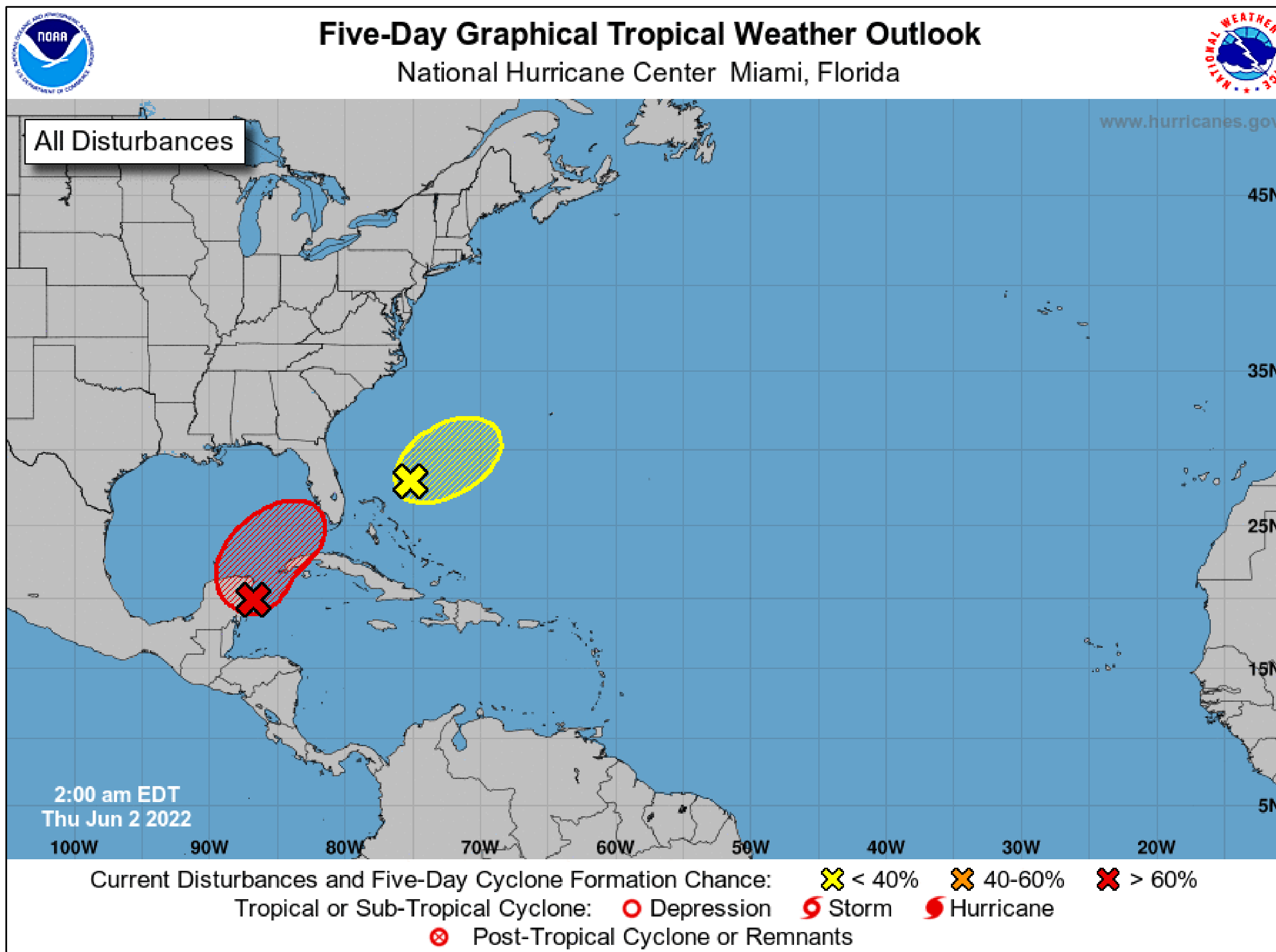
Peak Seas: 8-9 ft

Tropical Weather Outlook

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Near the Yucatan Peninsula and Southeastern Gulf of Mexico:

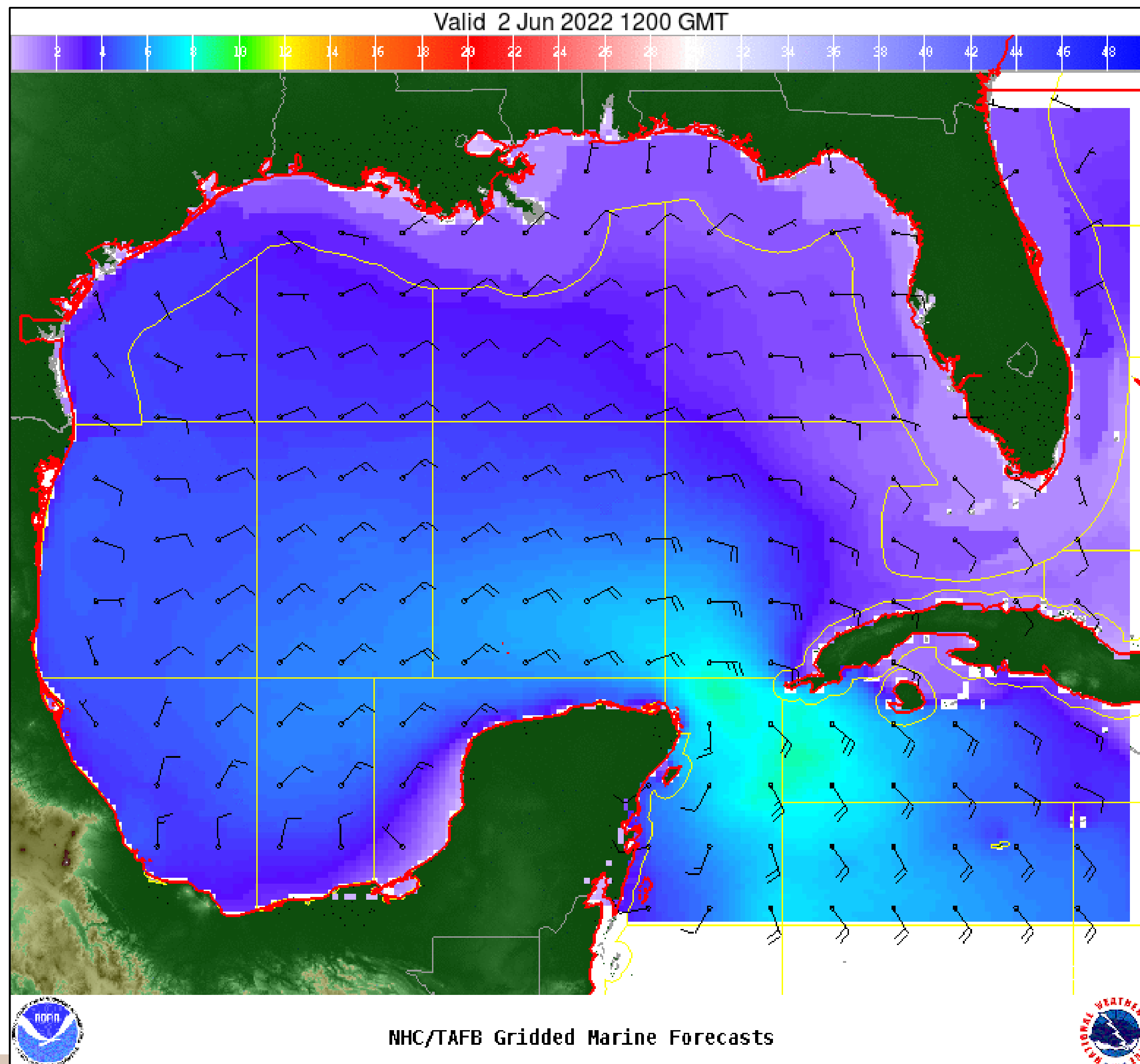
- A broad area of low pressure located near the east coast of the Yucatan Peninsula continues to produce a large area of disorganized showers and thunderstorms over the northwestern Caribbean Sea and Yucatan Peninsula.
- Despite strong upper-level winds, this system is likely to become a tropical depression or tropical storm while it moves slowly northeastward over the northwestern Caribbean Sea and southeastern Gulf of Mexico during the next day or two. Interests in western Cuba, the Florida Keys, and the Florida Peninsula should monitor the progress of this system, and tropical storm watches or warnings could be required for some of these areas later today.
- Regardless of development, areas of heavy rainfall are likely across portions of the Yucatan Peninsula and western Cuba during the next day or so, spreading across southern and central Florida and the Florida Keys Friday and Friday night, and the northwestern Bahamas on Saturday. These heavy rains could cause scattered to numerous flash floods across South Florida and the Florida Keys.
- Formation chance through 48 hours...high...80 percent.
- Formation chance through 5 days...high...80 percent.
- Reminder:** The hatched area represents a possible development area, not the system's path after development occurs.

Wind And Waves

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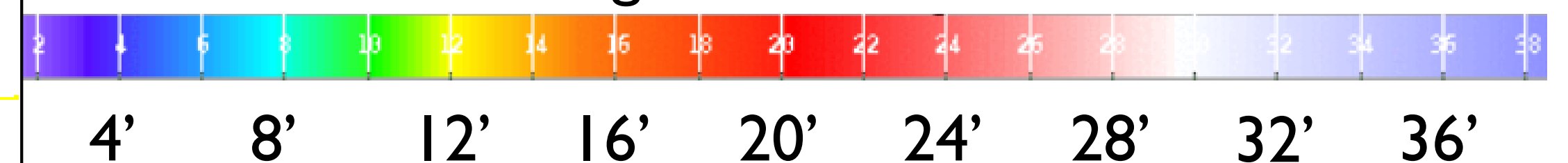
Current Conditions

0800 EDT, Thursday, June 2

Peak Winds: 25 kt

Peak Seas: 9 ft

■ Wave heights are in feet

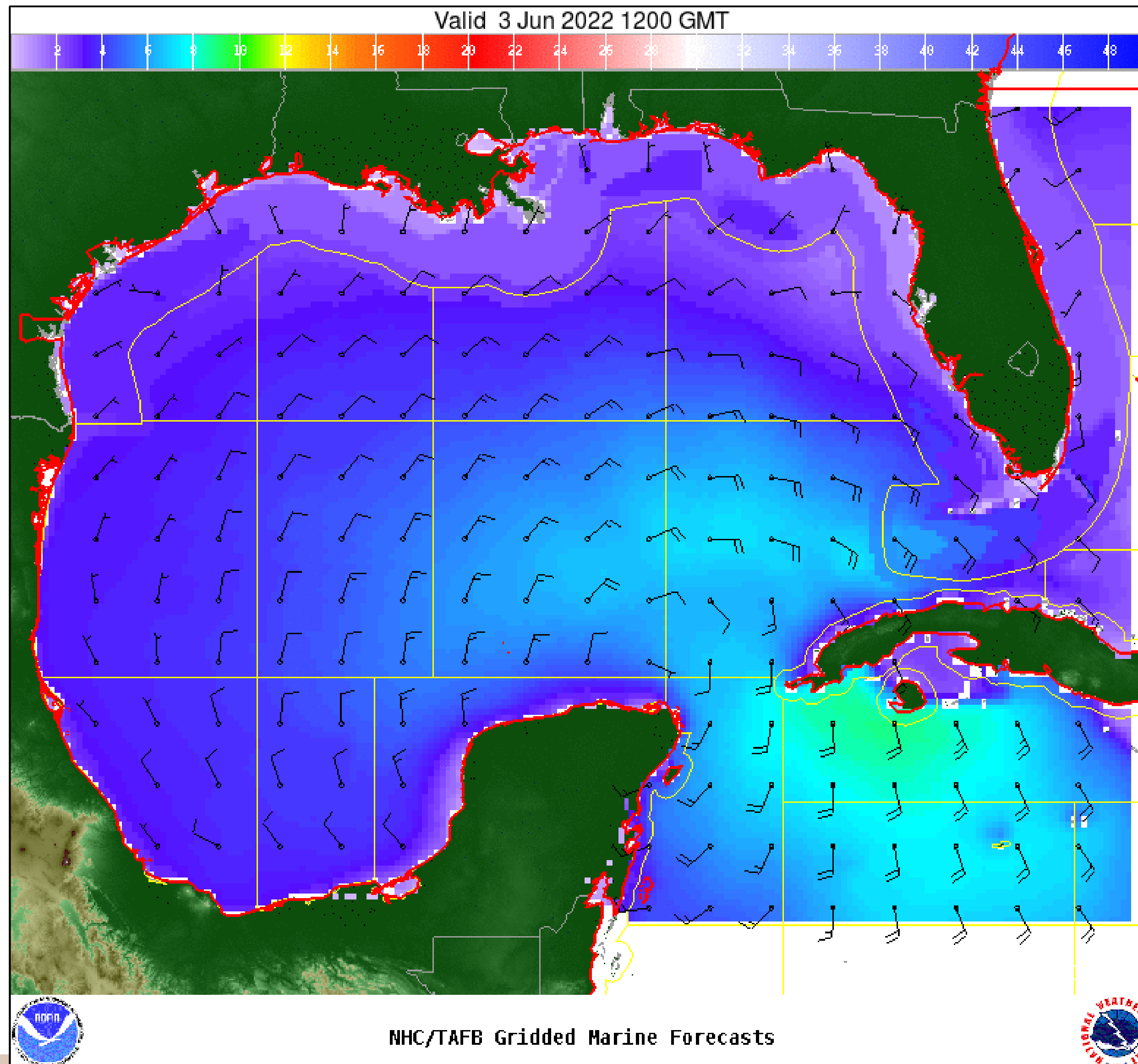


Wind And Waves

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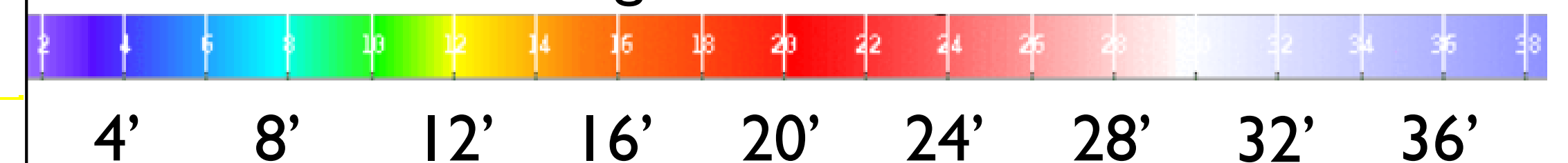
24 Hour Forecast

0800 EDT, Friday, June 3

Peak Winds: 25 – 30 kt

Peak Seas: 8 ft

■ Wave heights are in feet

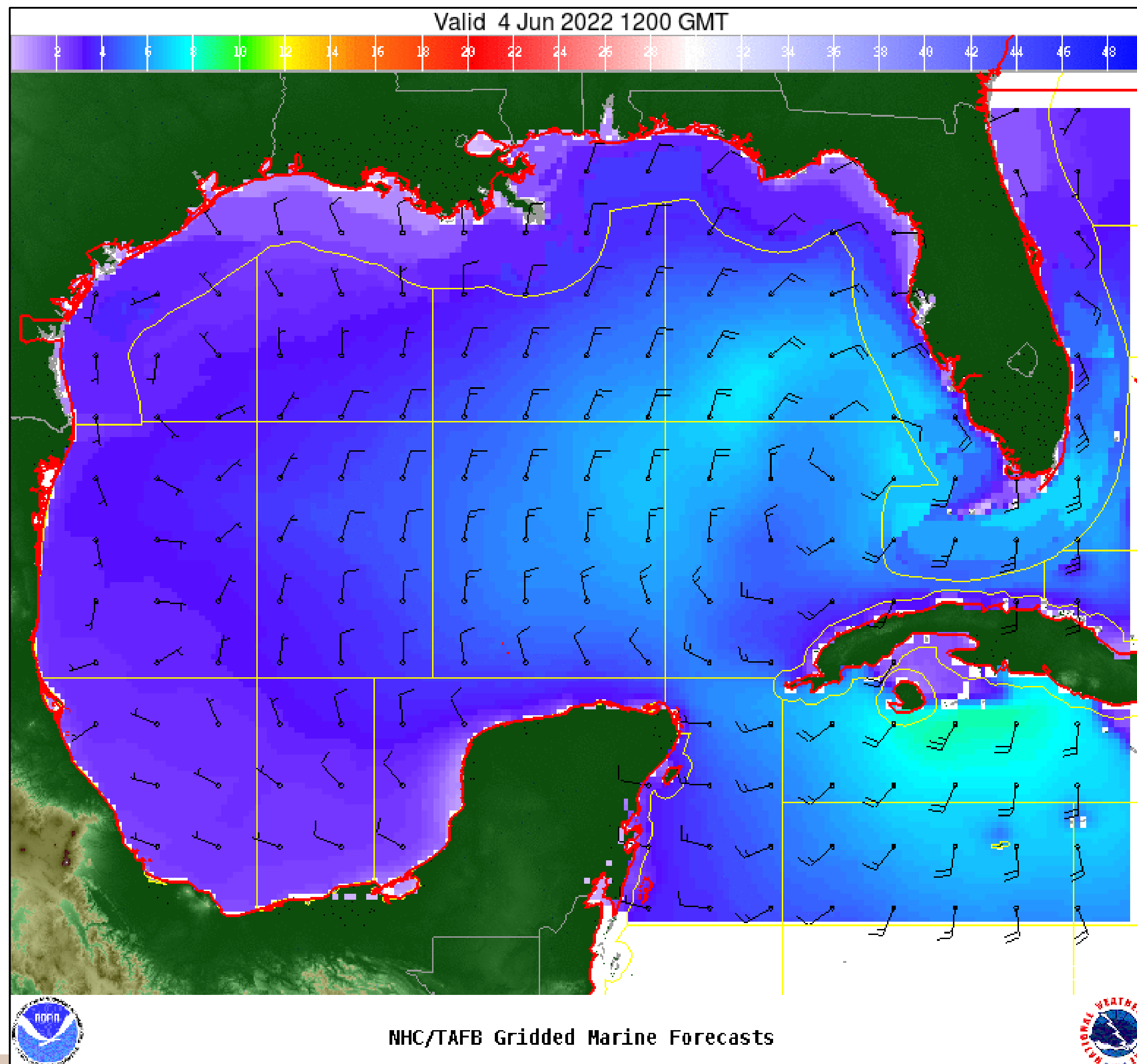


Wind And Waves

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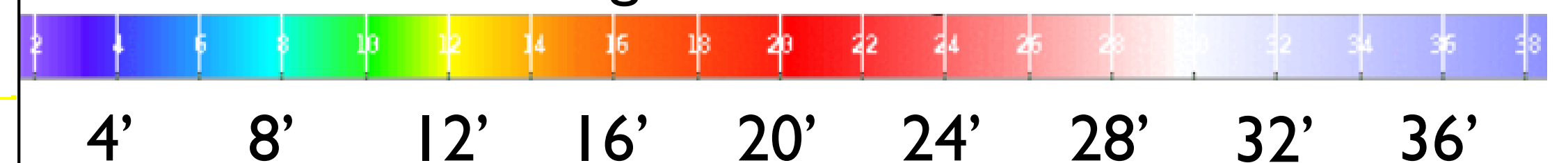
48 Hour Forecast

0800 EDT, Saturday, June 4

Peak Winds: 25 – 30 kt

Peak Seas: 8 ft

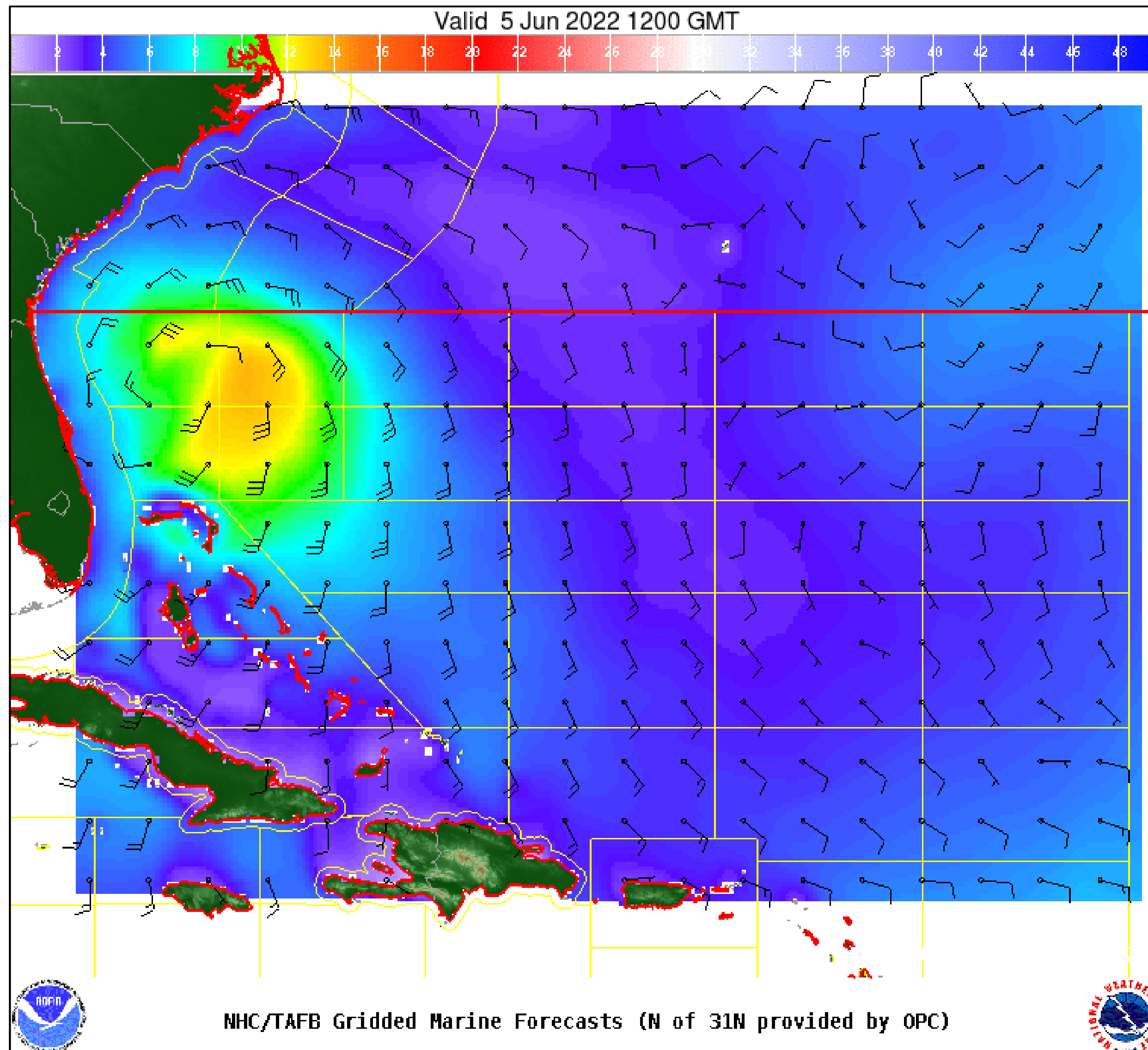
■ Wave heights are in feet



Wind And Waves



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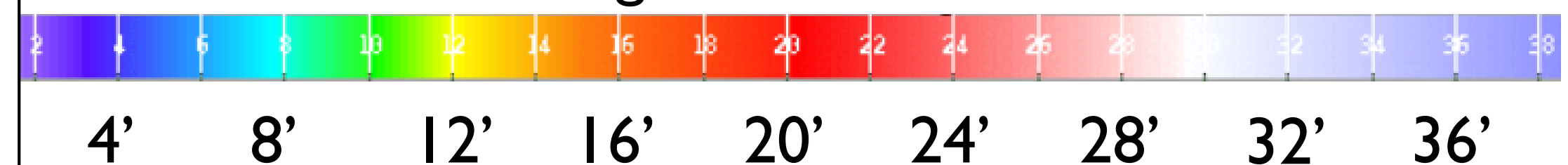
72 Hour Forecast

0800 EDT, Sunday, June 5

Peak Winds: 30 kt

Peak Seas: 12-14 ft

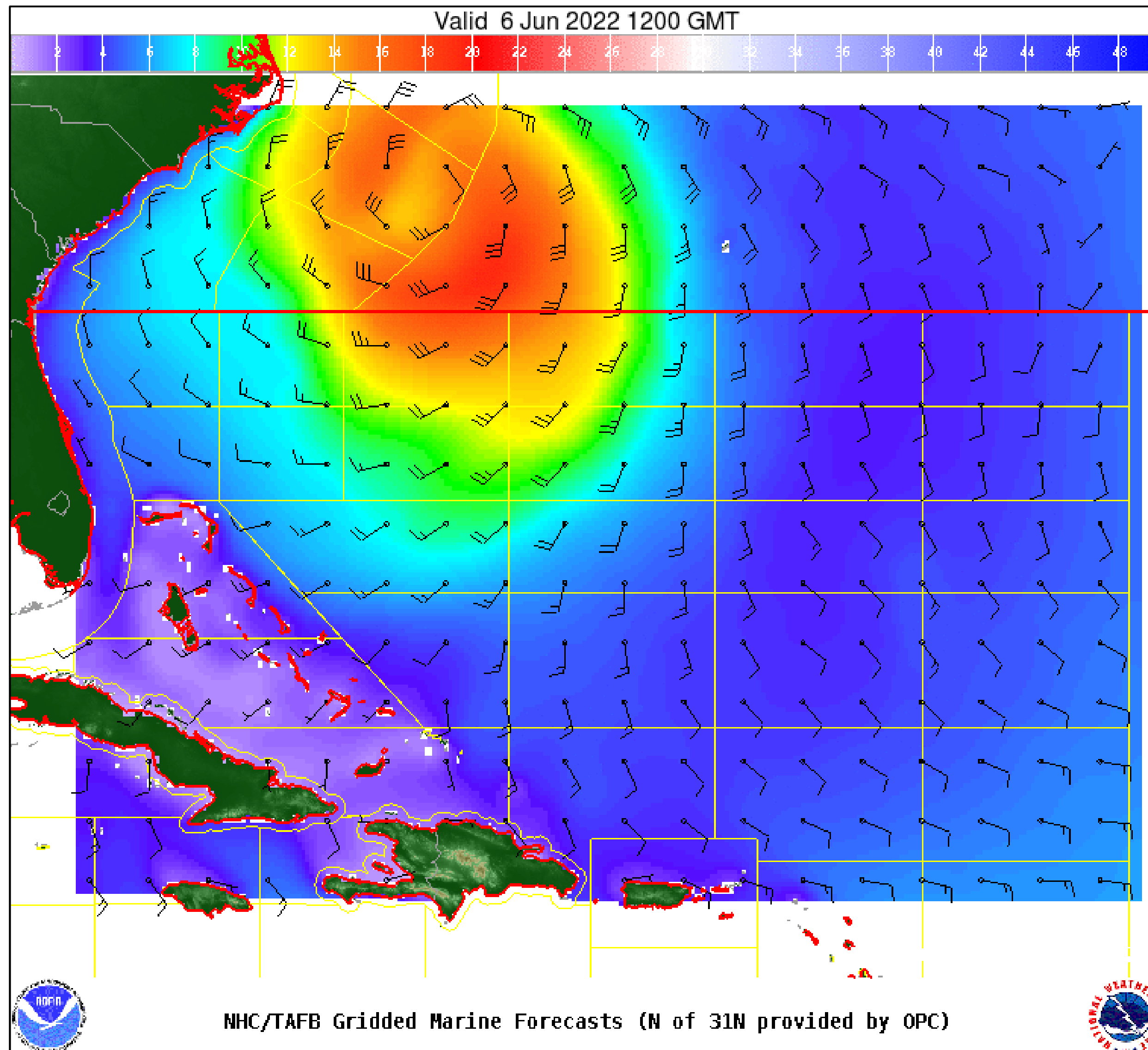
■ Wave heights are in feet



Wind And Waves



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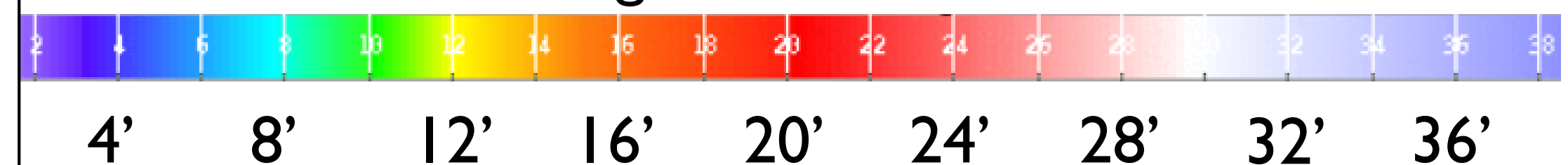
96 Hour Forecast

0800 EDT, Monday, June 6

Peak Winds: 30 kt

Peak Seas: 12-17 ft

■ Wave heights are in feet



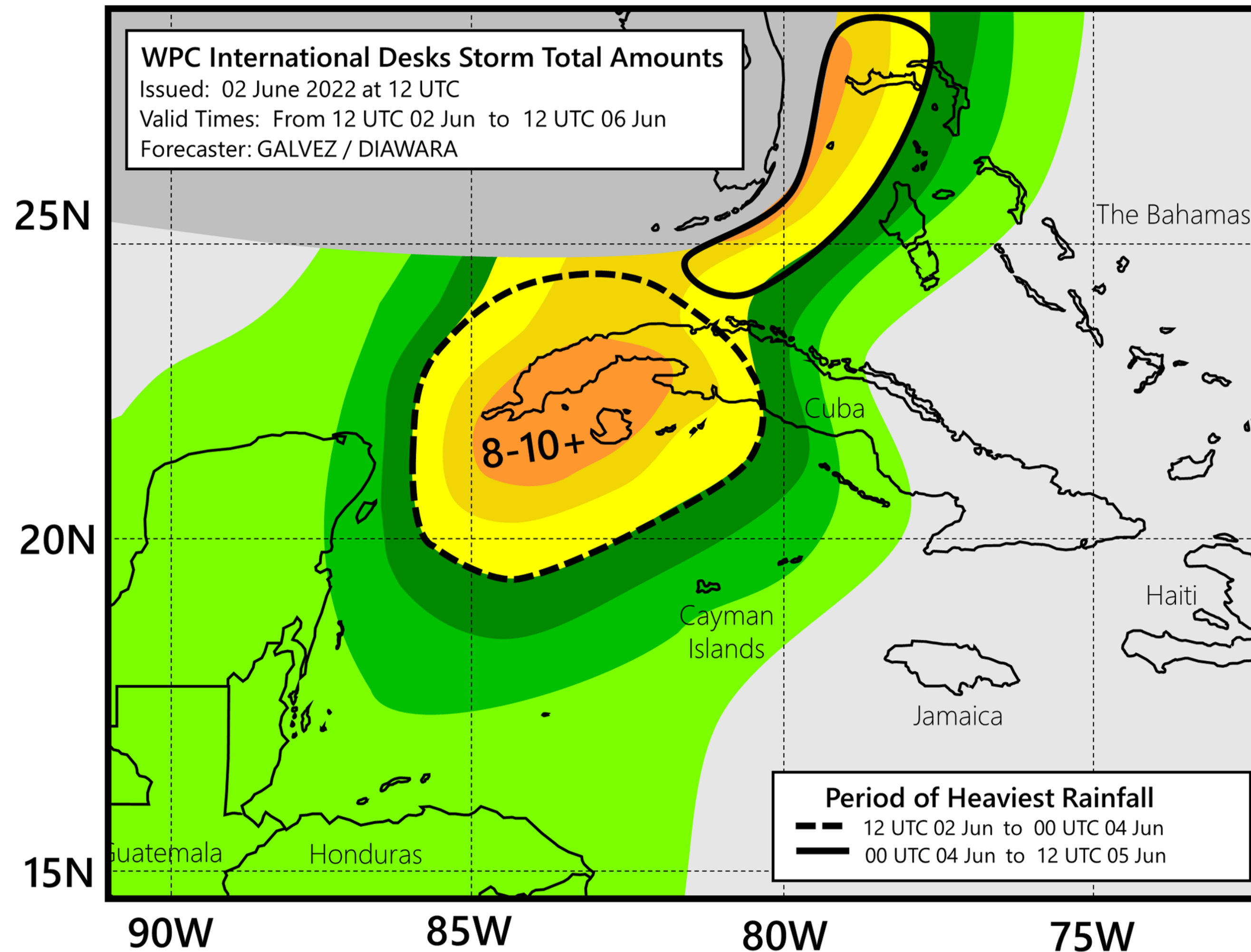
Caribbean Rainfall

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Total Rainfall with Tropical Disturbance



Rainfall (in)	Rainfall (mm)
8-10+	200-250+
6-8	150-200
4-6	100-150
3-4	75-100
2-3	50-75
1-2	25-50

NOTE
This forecast is for planning purposes. A detailed official forecast will be issued by the respective National Hydro Meteorological Service.

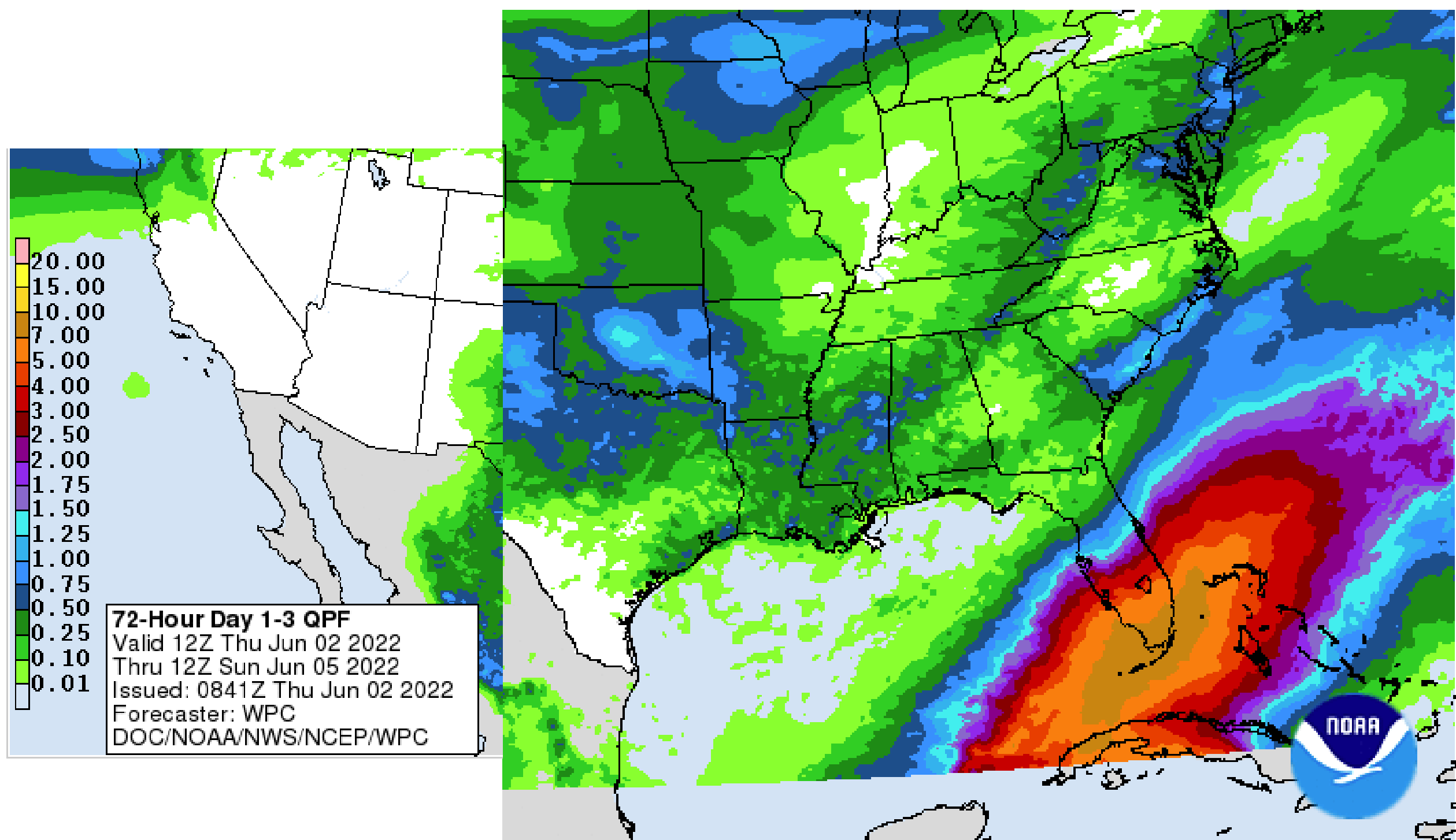
- Peak Rainfall Amounts expected over the Caribbean:
 - Cuba: 8-10"
 - Bahamas: 8-10"

Expected Storm Total Rainfall and Chance of Rainfall Flooding

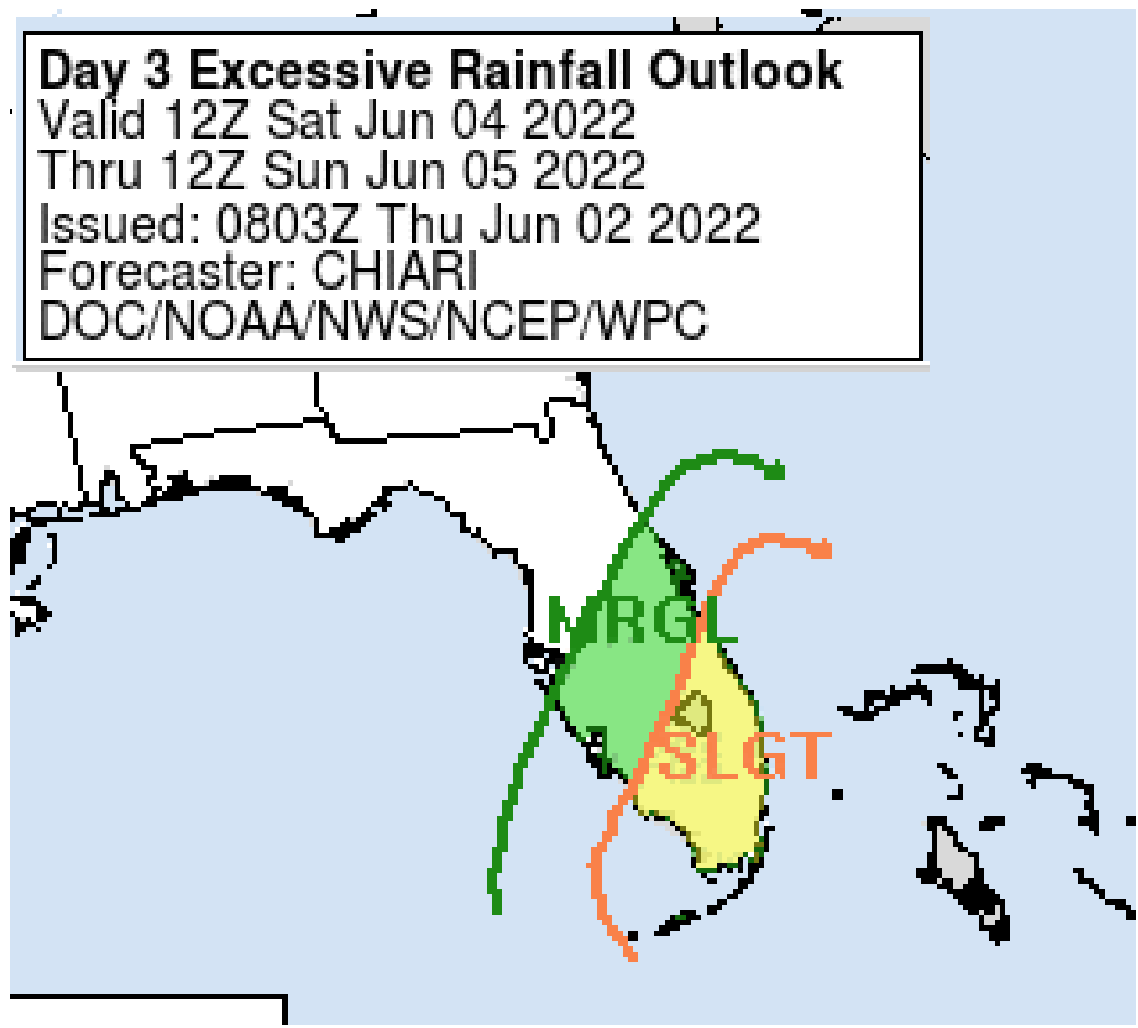
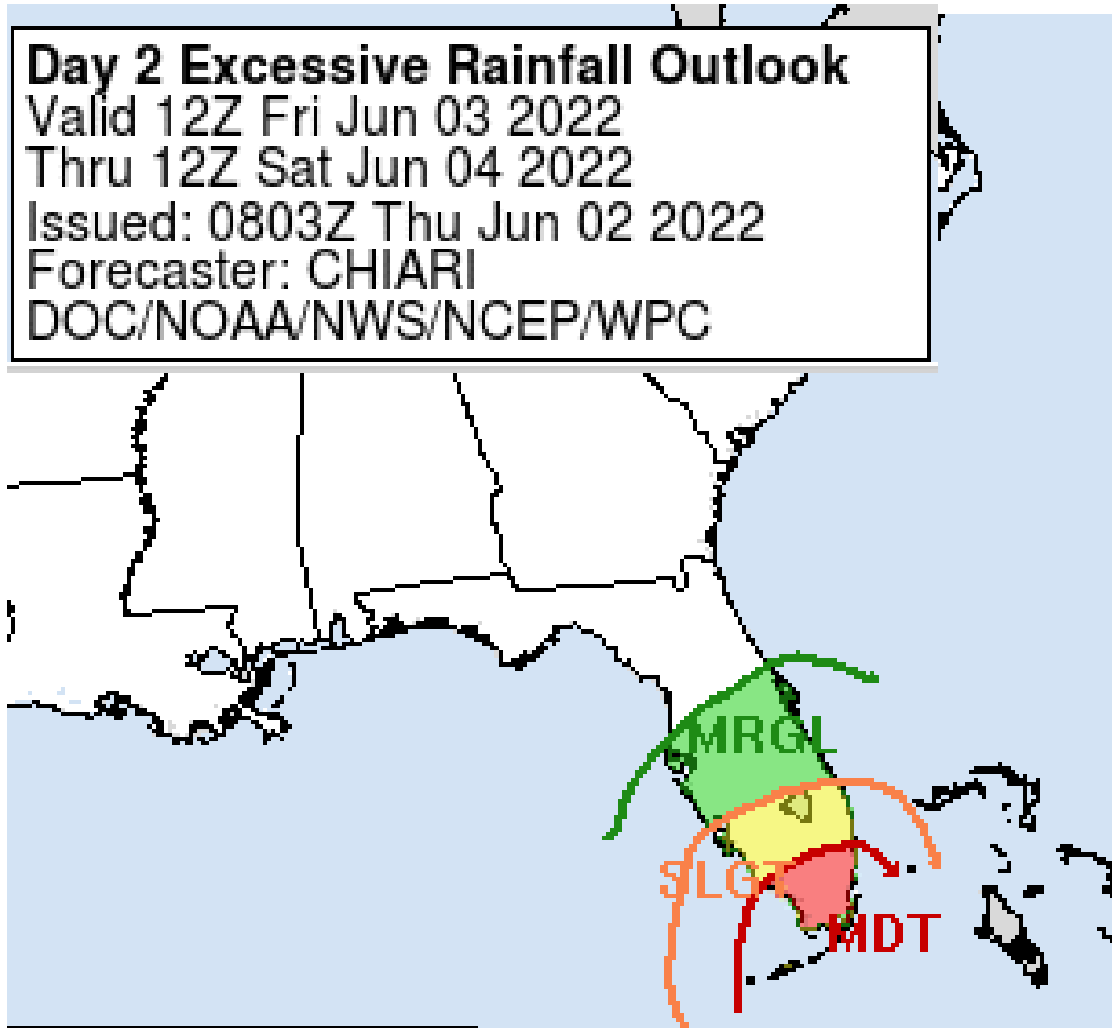
Images from NWS Weather Prediction Center



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NWS National Hurricane Center



- Total rainfall in inches during the time span stated on the map.



Risk of rainfall exceeding flash flood guidance within 25 miles of a point

HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

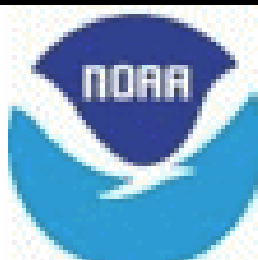
Refer to map legend for Valid Time

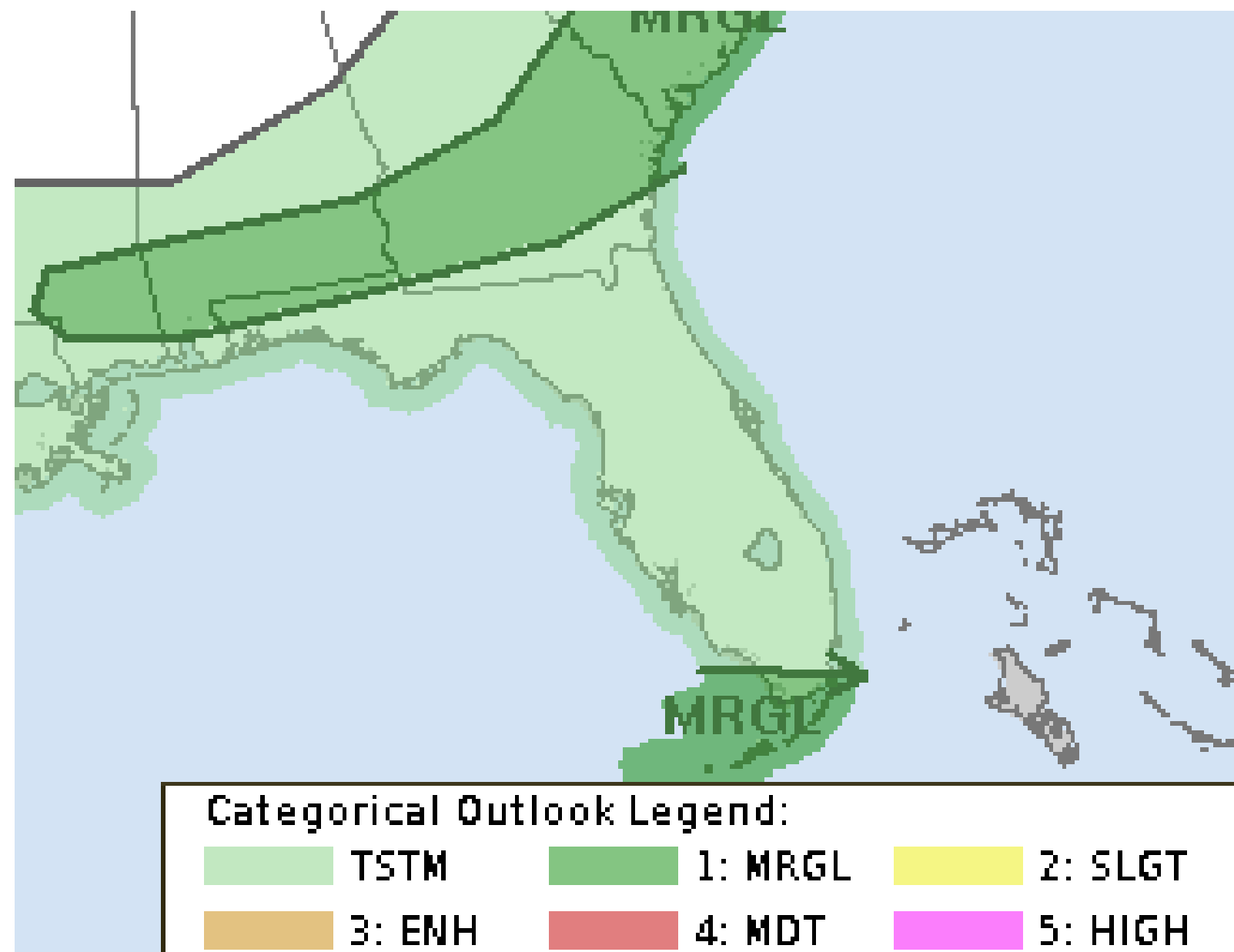
Tornado Outlook – Day 2


Images from NWS Storm Prediction Center

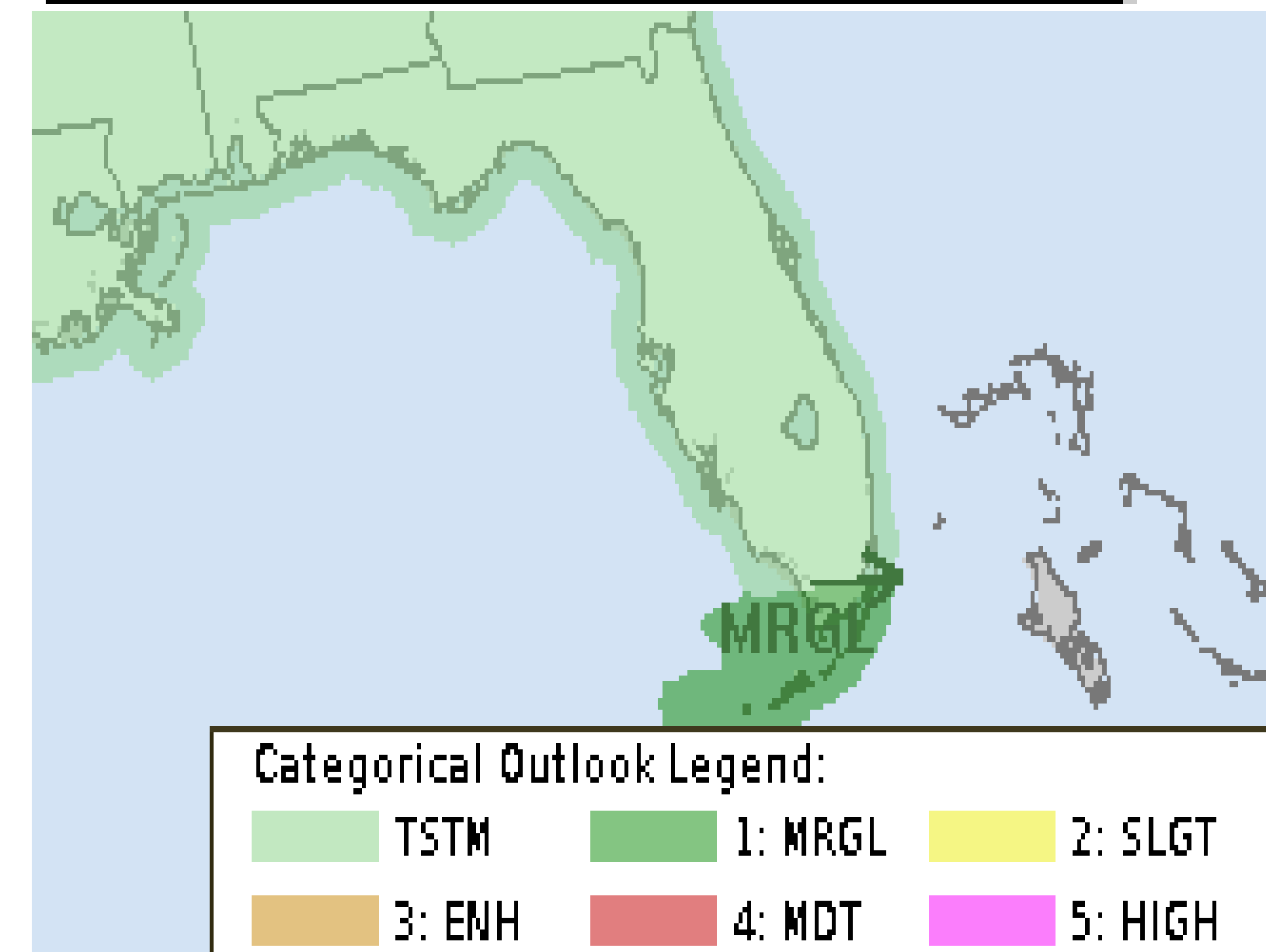


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NWS National Hurricane Center

 SPC DAY 2 CATEGORICAL OUTLOOK
ISSUED: 0515Z 06/02/2022
VALID: 1200Z Fri 06/03 - 1200Z Sat 06/04
FORECASTER: SMITH
NOAA/NWS Storm Prediction Center, Norman, Oklahoma



 SPC DAY 3 CATEGORICAL OUTLOOK
ISSUED: 0720Z 06/02/2022
VALID: 1200Z Sat 06/04 - 1200Z Sun 06/05
FORECASTER: SMITH
NOAA/NWS Storm Prediction Center, Norman, Oklahoma





Key Messages:

- System expected to peak in the Gulf of Mexico at 30 kt with 9 ft seas over the next few days
- If this system develops into a tropical cyclone, it could reach tropical storm intensity for SW Florida or the FL Keys, with watches and/or warnings being issued as early as this afternoon
- Could cause some wind/storm surge impacts on SW Florida coast/FL Keys
- Biggest impact is likely rainfall/flooding for southern Florida



INVEST 91 BRIEFING

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

*The Next Briefing Will Be:
Thursday 5:00 PM EDT*

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



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