

IMPACTS FOR D7 (through next 5 days)

Winds – Low to Medium

Storm Surge – Low to Medium

Rainfall/Flash Flooding – Medium to High

Tornadoes – None

Waves – Low to Medium

NW CARIBBEAN DISTURBANCE BRIEFING



8:15 AM EDT
Wednesday, June 1, 2022

Prepared by:

Chris Landsea

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*

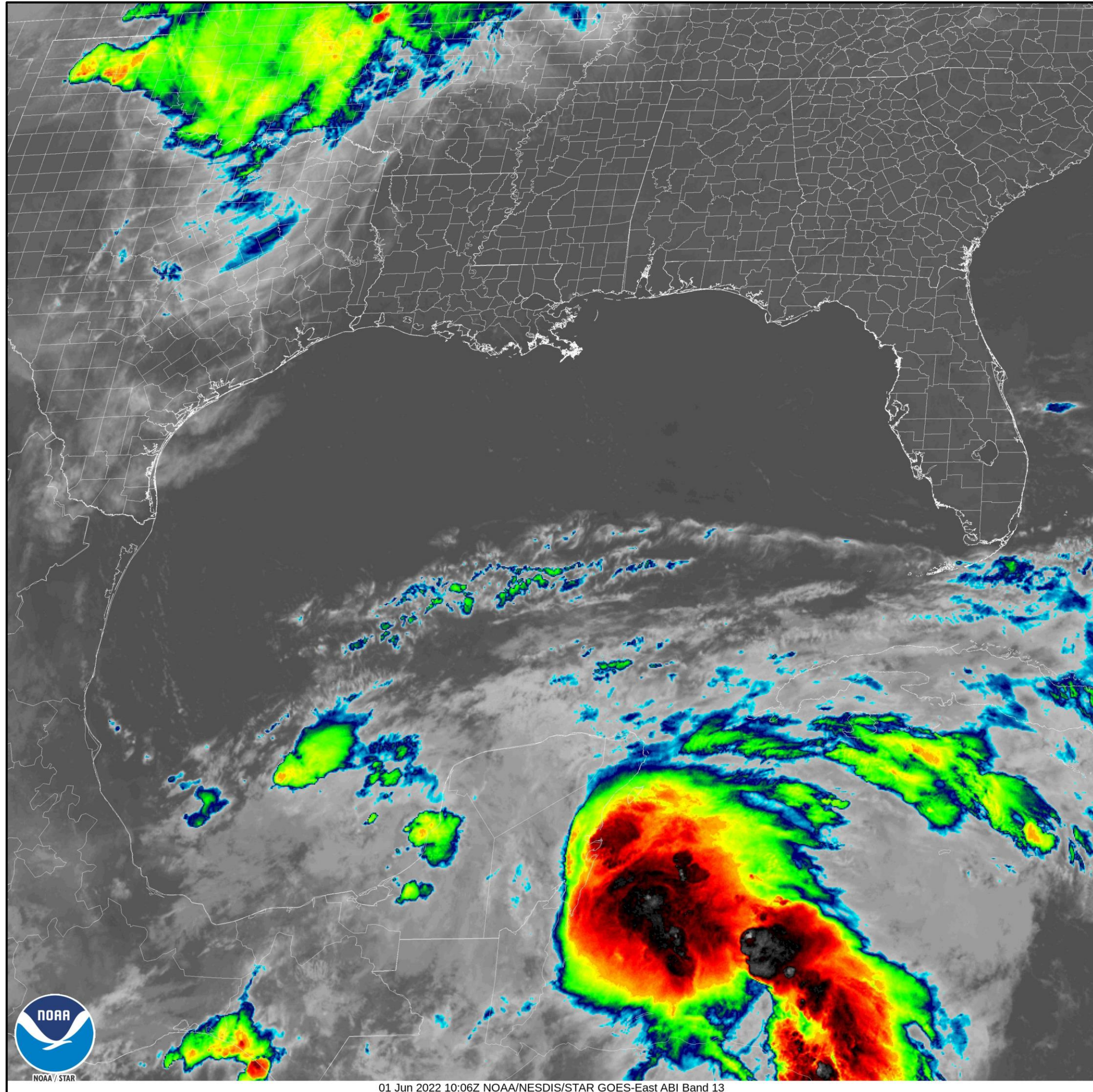


Current Satellite View

NW Caribbean Disturbance



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



NW Caribbean Disturbance
(no number or name yet)

Peak winds 25 kt in NW Caribbean
Peak seas 6 ft

Tropical Weather Outlook

NW Caribbean Disturbance

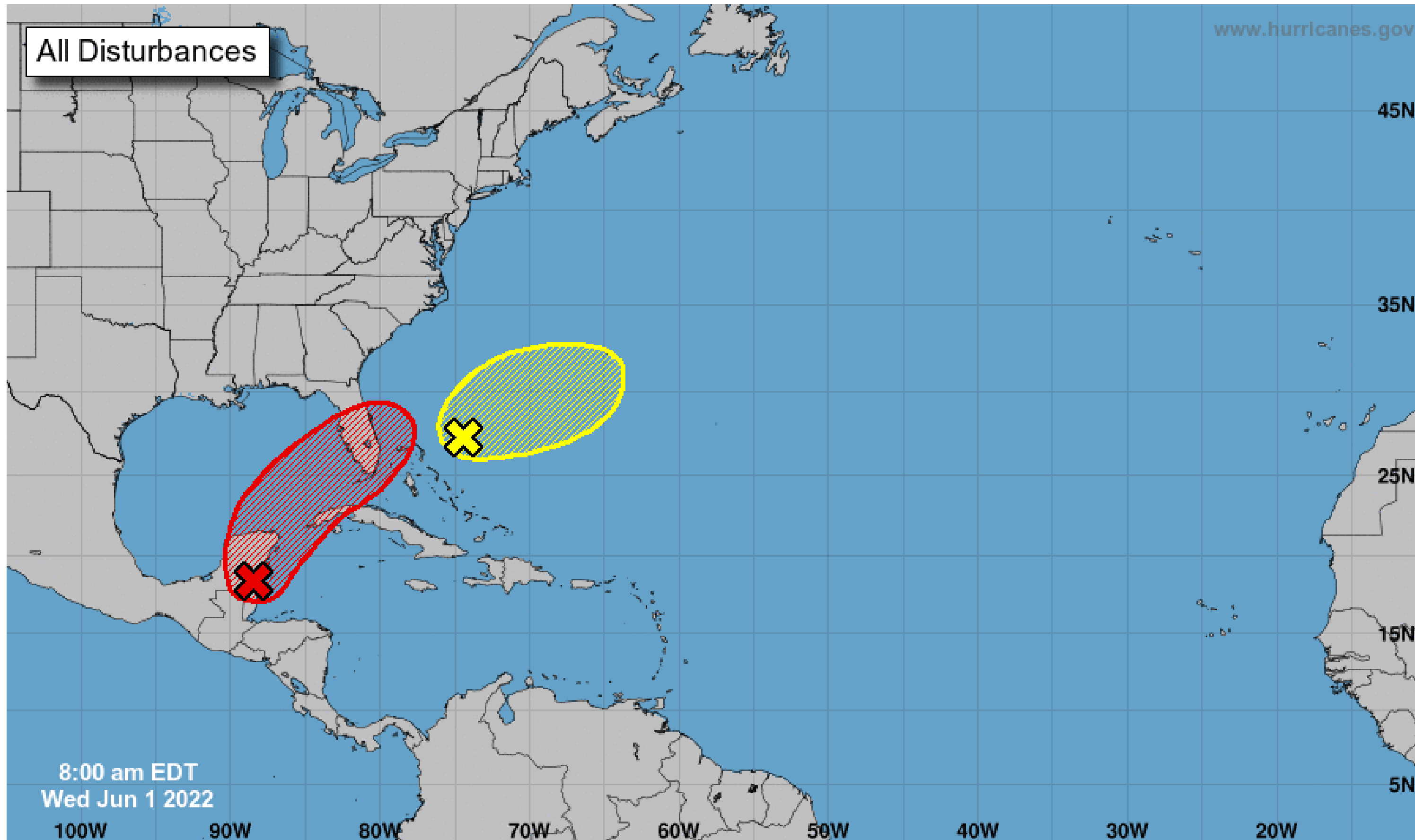


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Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane
 Post-Tropical Cyclone or Remnants

- **Near the Yucatan Peninsula and Southeastern Gulf of Mexico:**
- A large area of disorganized showers and thunderstorms located over the northwestern Caribbean Sea and Yucatan Peninsula is associated with a broad area of low pressure.
- Environmental conditions appear conducive for gradual development, and this system is likely to become a tropical depression while it moves northeastward over the northwestern Caribbean Sea and southeastern Gulf of Mexico during the next couple of days.
- Regardless of development, locally heavy rainfall is likely across portions of southeastern Mexico, the Yucatan Peninsula, and Belize during the next day or so, spreading across western Cuba, South Florida, and the Florida Keys on Friday and Saturday.
- * Formation chance through 48 hours...high...70%.
- * Formation chance through 5 days...high...80%.
- **Reminder:** The hatched area represents a possible development area, not the system's path after development occurs.

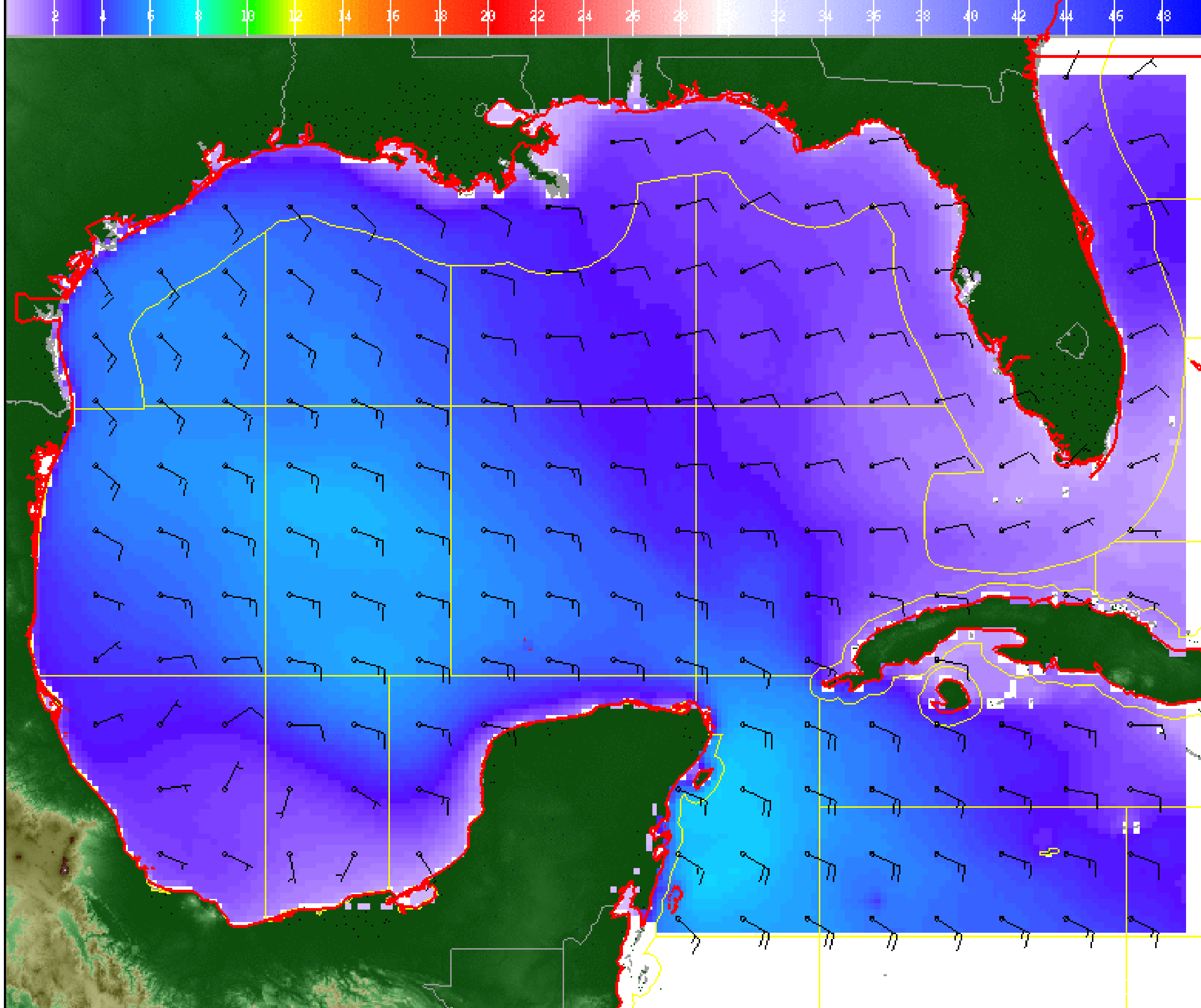
Wind And Waves

NW Caribbean Disturbance



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Valid 1 Jun 2022 1200 GMT



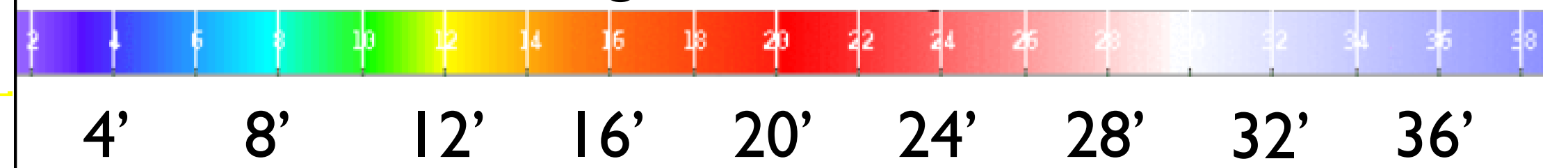
Current Conditions

0800 EDT Wednesday, June 1st

Peak Winds: 25 kt

Peak Seas: 6 ft

■ Wave heights are in feet



NHC/TAFB Gridded Marine Forecasts



6/1/2022 7:48 AM

www.nhc.noaa.gov

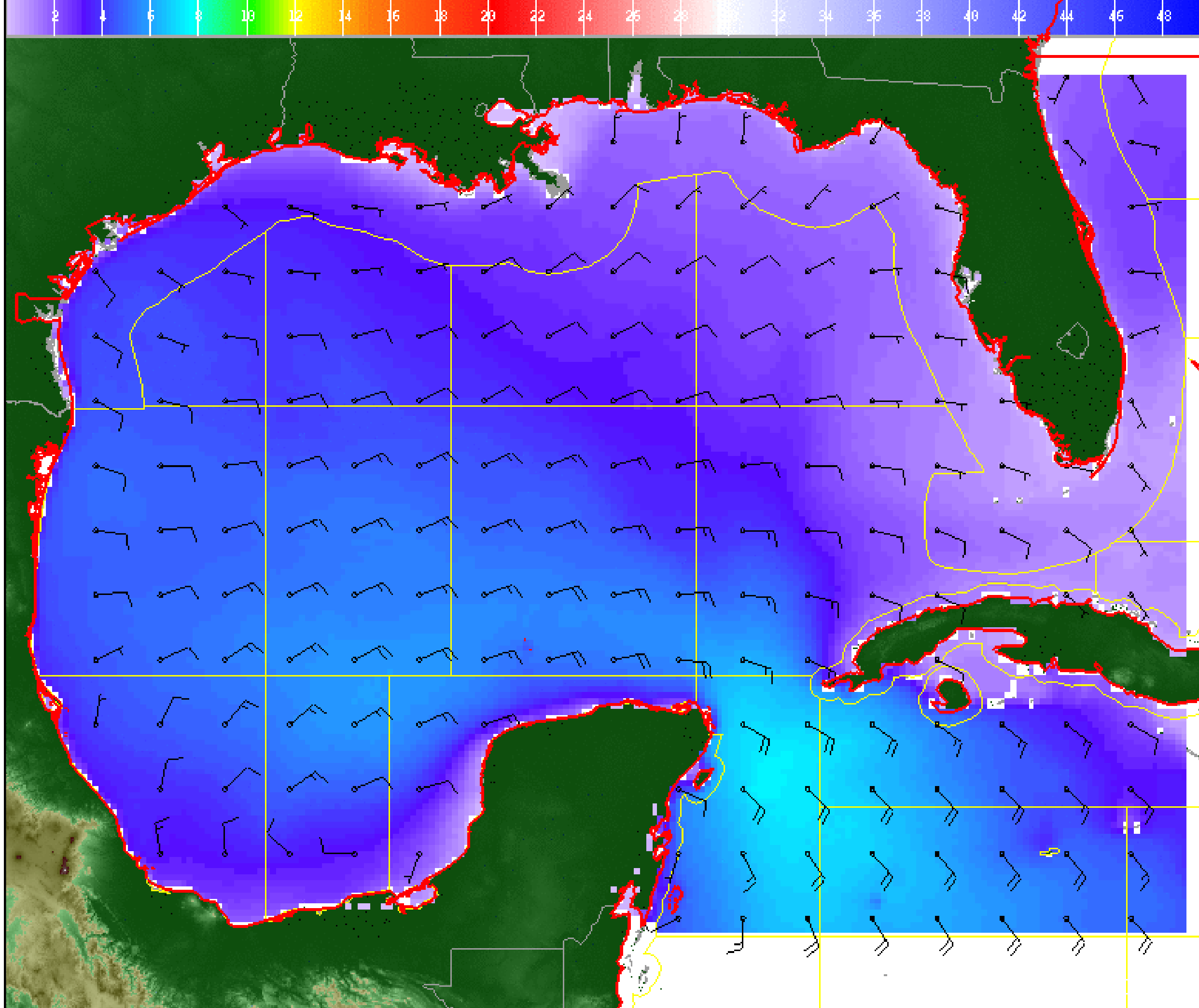
Wind And Waves

NW Caribbean Disturbance



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Valid 2 Jun 2022 1200 GMT



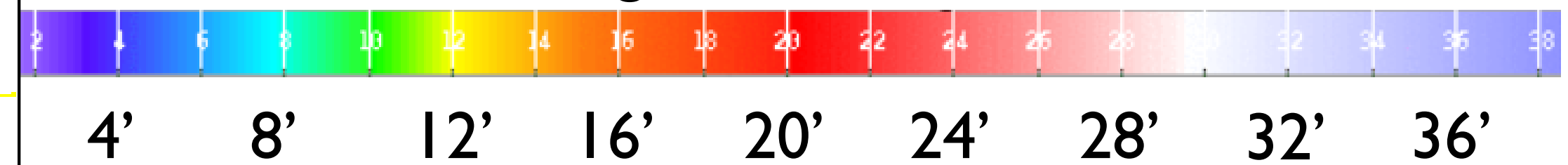
24 hour Forecast

0800 EDT Thursday, June 2nd

Peak Winds: 25 kt

Peak Seas: 6 ft

■ Wave heights are in feet



NHC/TAFB Gridded Marine Forecasts



6/1/2022 7:48 AM

www.nhc.noaa.gov

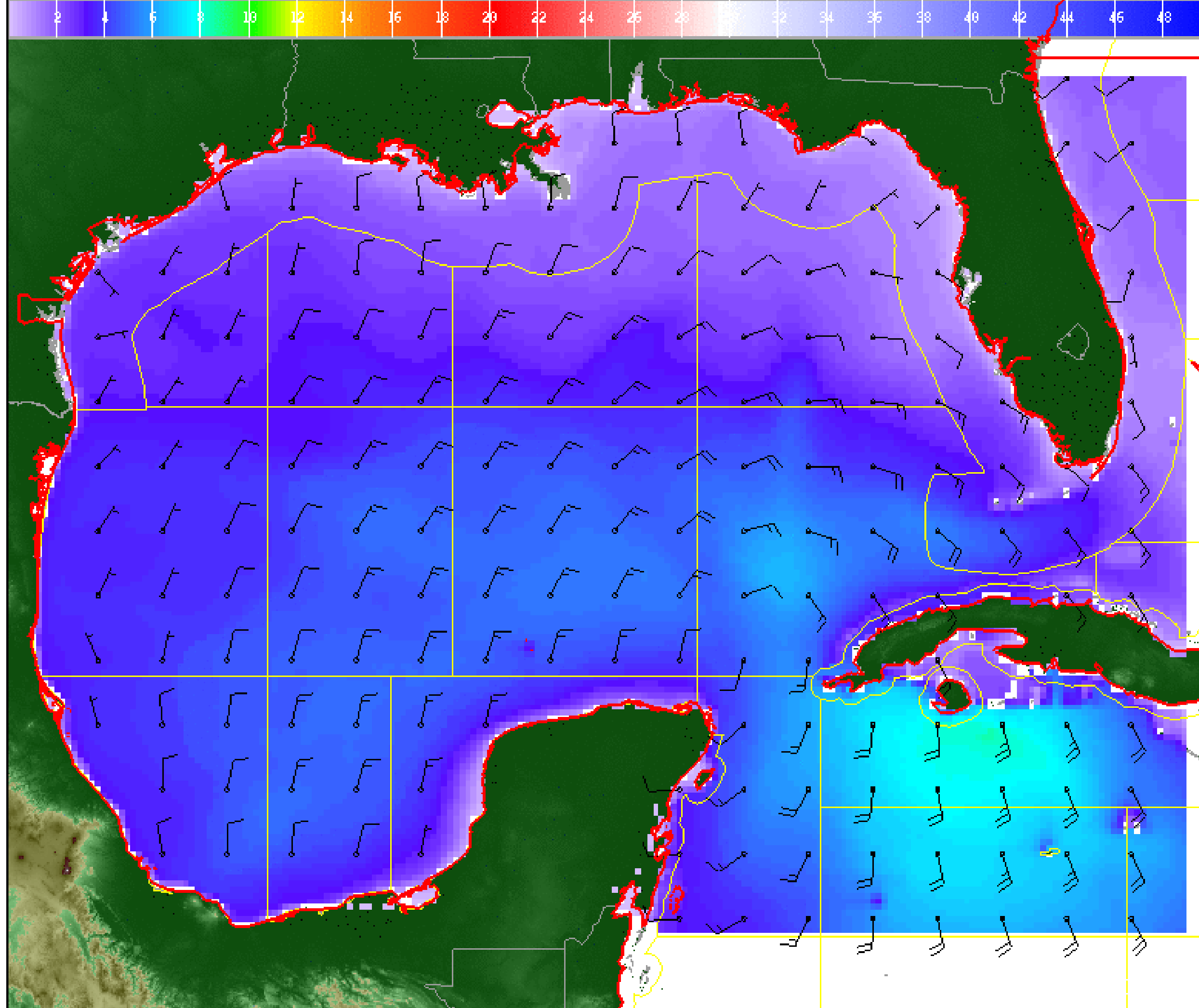
Wind And Waves

NW Caribbean Disturbance



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Valid 3 Jun 2022 1200 GMT



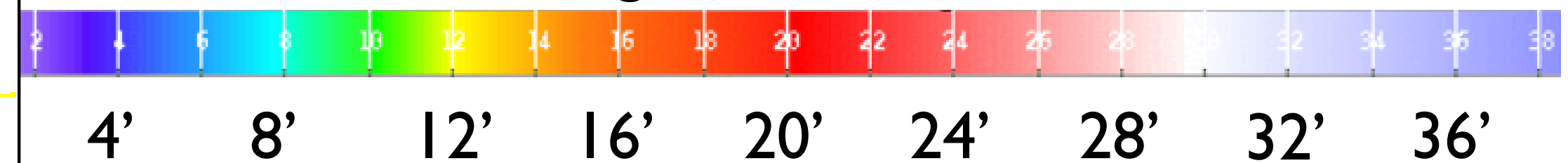
48 hour Forecast

0800 EDT Friday, June 3rd

Peak Winds: 30 kt

Peak Seas: 10 ft

■ Wave heights are in feet



NHC/TAFB Gridded Marine Forecasts



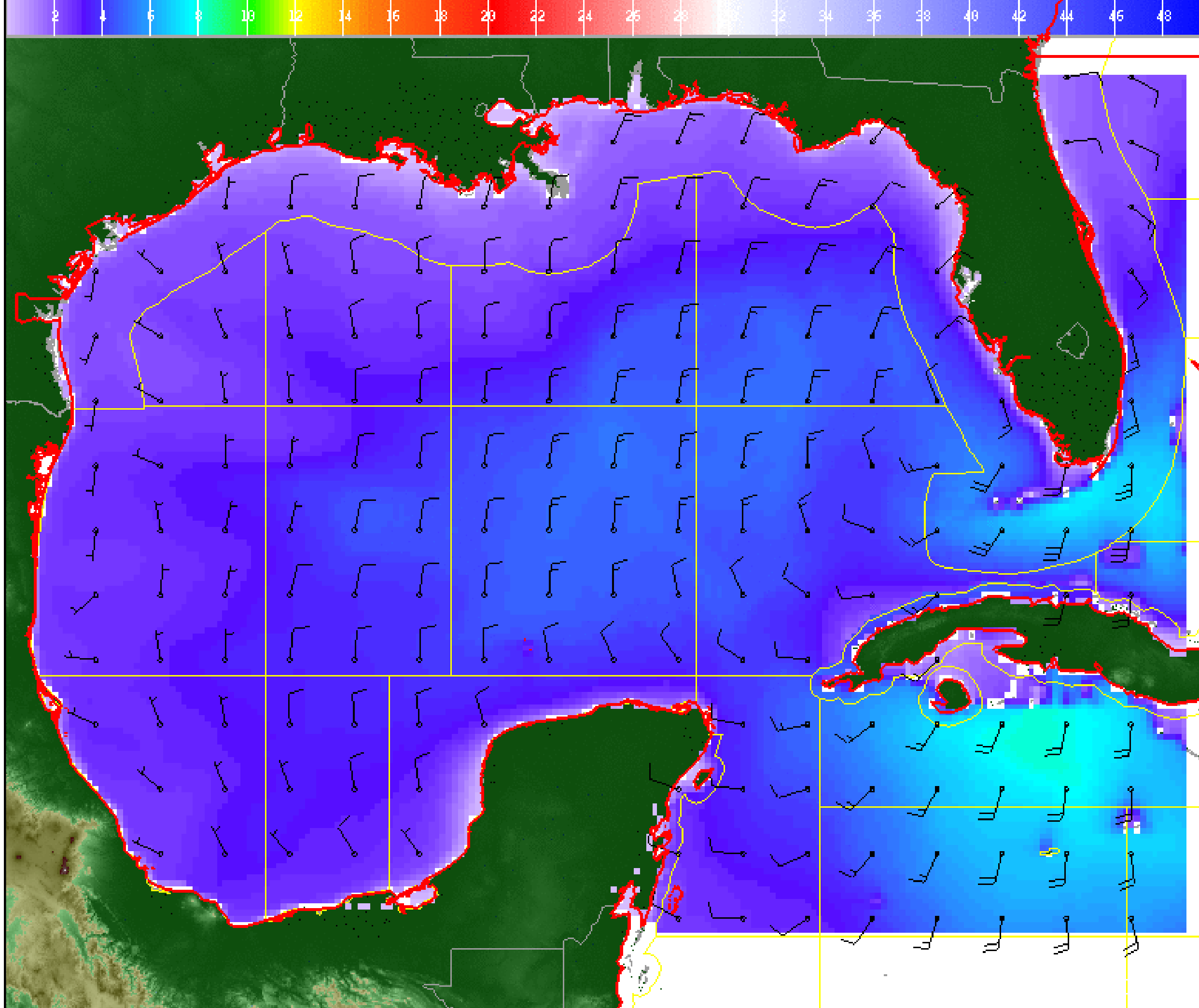
Wind And Waves

NW Caribbean Disturbance



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Valid 4 Jun 2022 1200 GMT



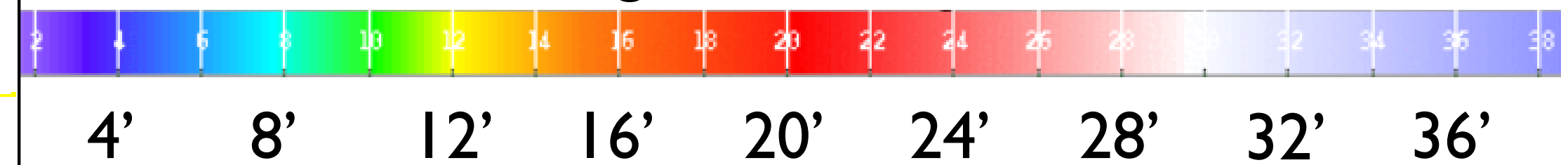
72 Hour Forecast

0800 EDT Saturday, June 4th

Peak Winds: 30 kt

Peak Seas: 10 ft

■ Wave heights are in feet



NHC/TAFB Gridded Marine Forecasts



6/1/2022 7:48 AM

www.nhc.noaa.gov

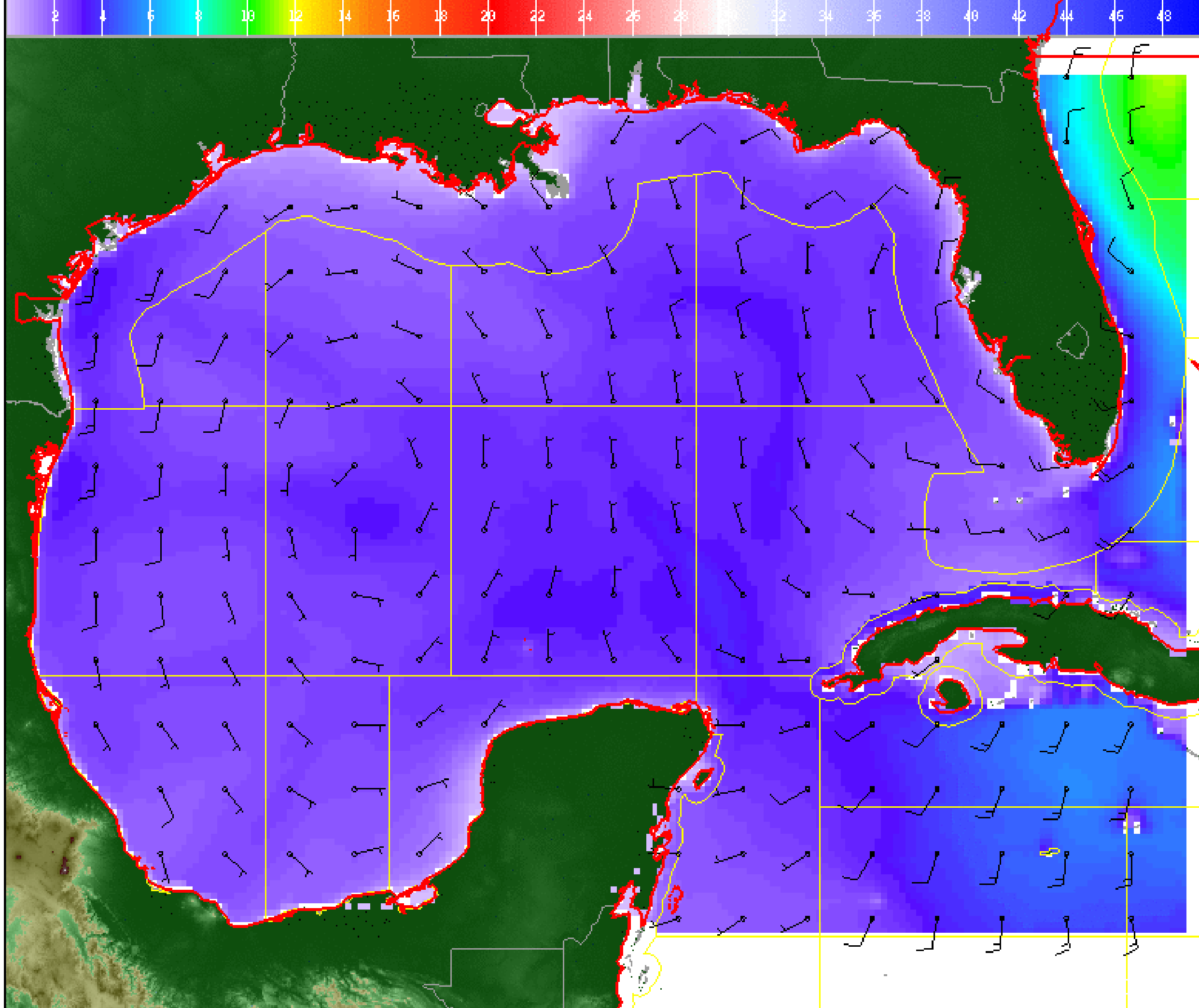
Wind And Waves

NW Caribbean Disturbance



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Valid 5 Jun 2022 1200 GMT



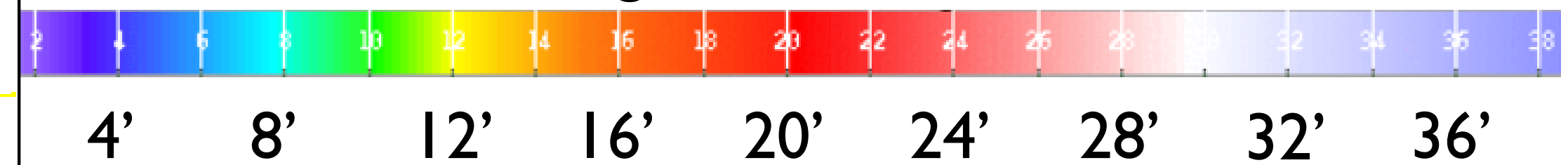
96 Hour Forecast

0800 EDT Sunday, June 5th

Peak Winds: 30 kt

Peak Seas: 12 ft

■ Wave heights are in feet



NHC/TAFB Gridded Marine Forecasts



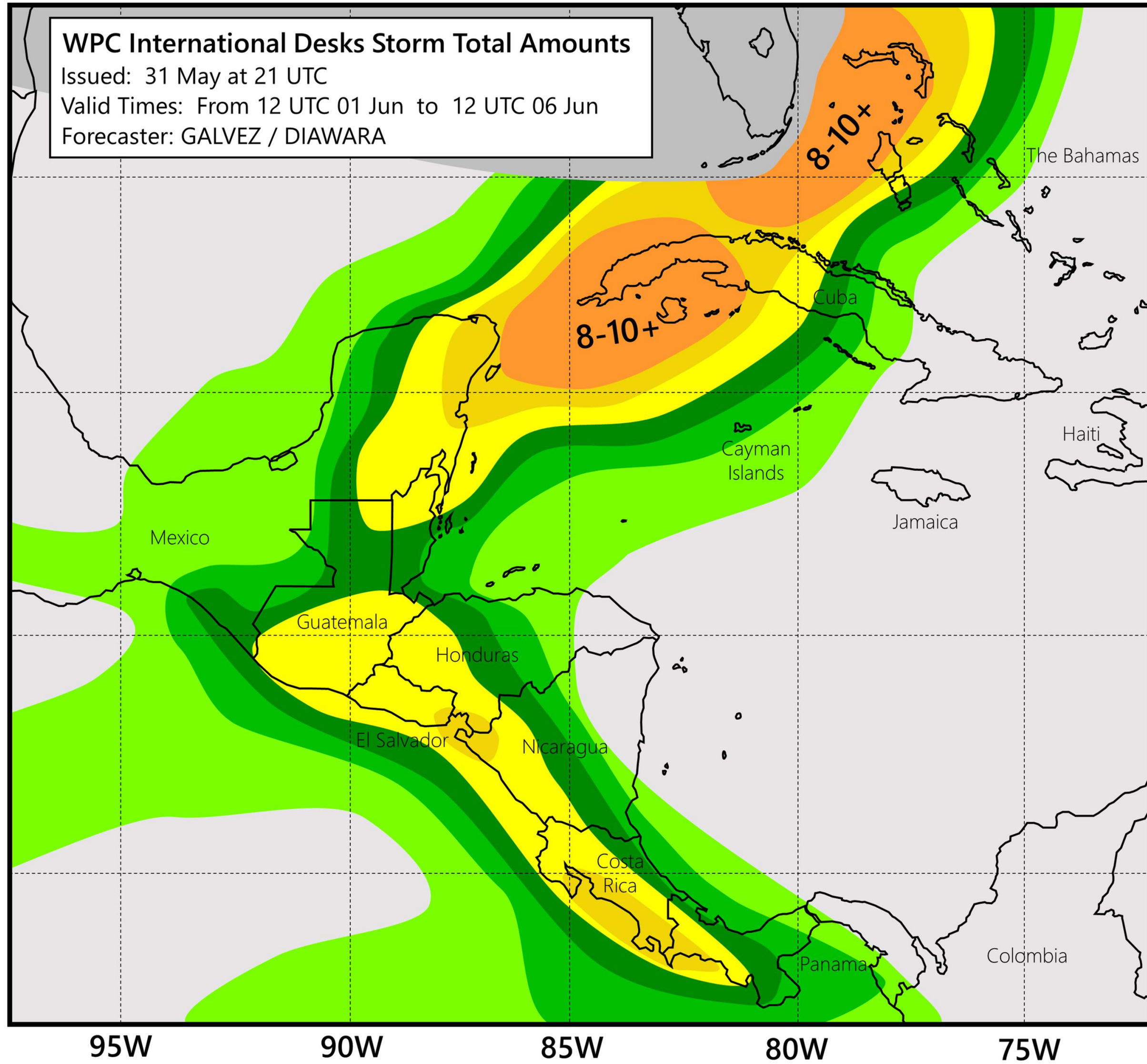
Caribbean Rainfall

NW Caribbean Disturbance



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

5-Day Rainfall with CAG and associated features



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.

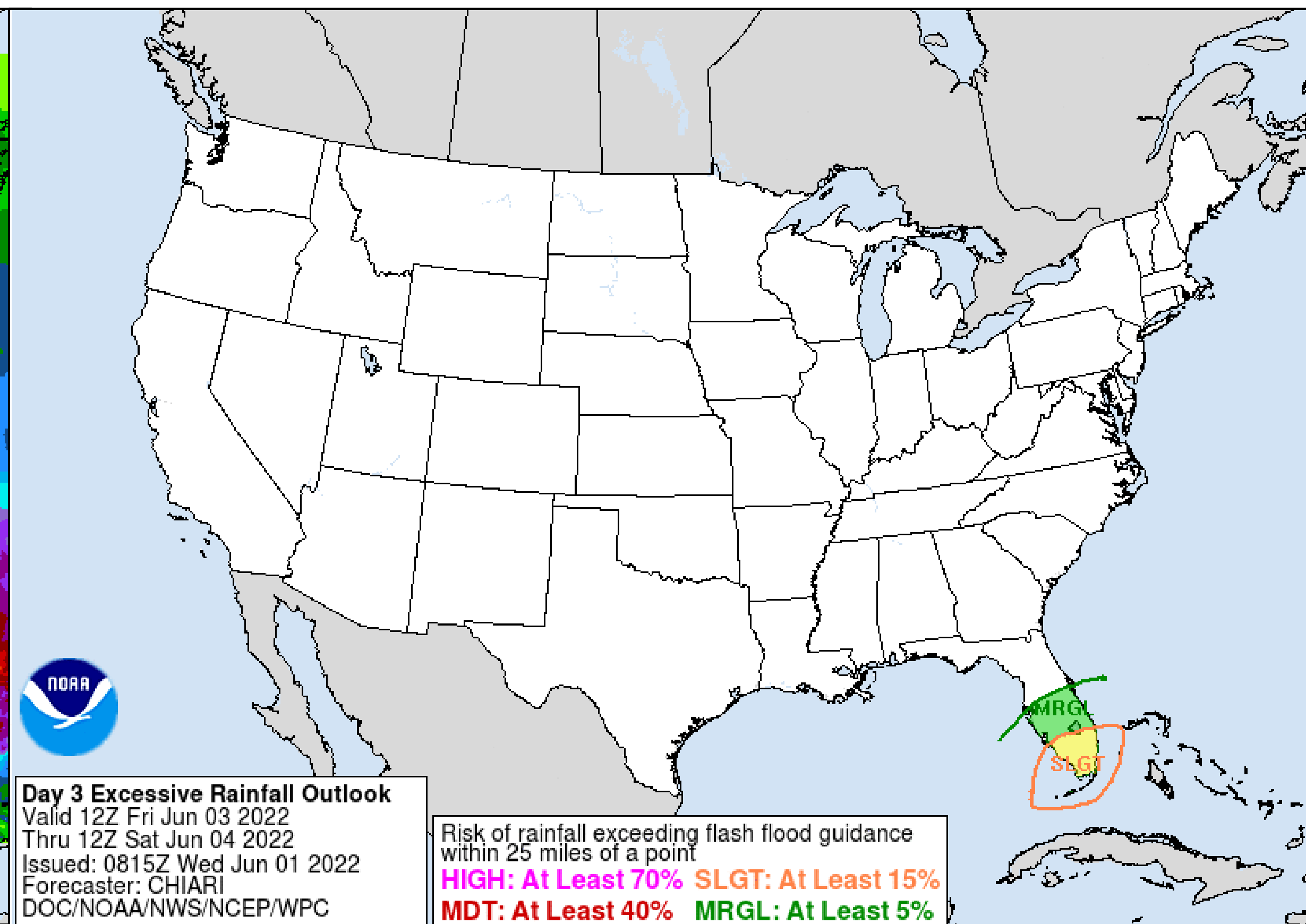
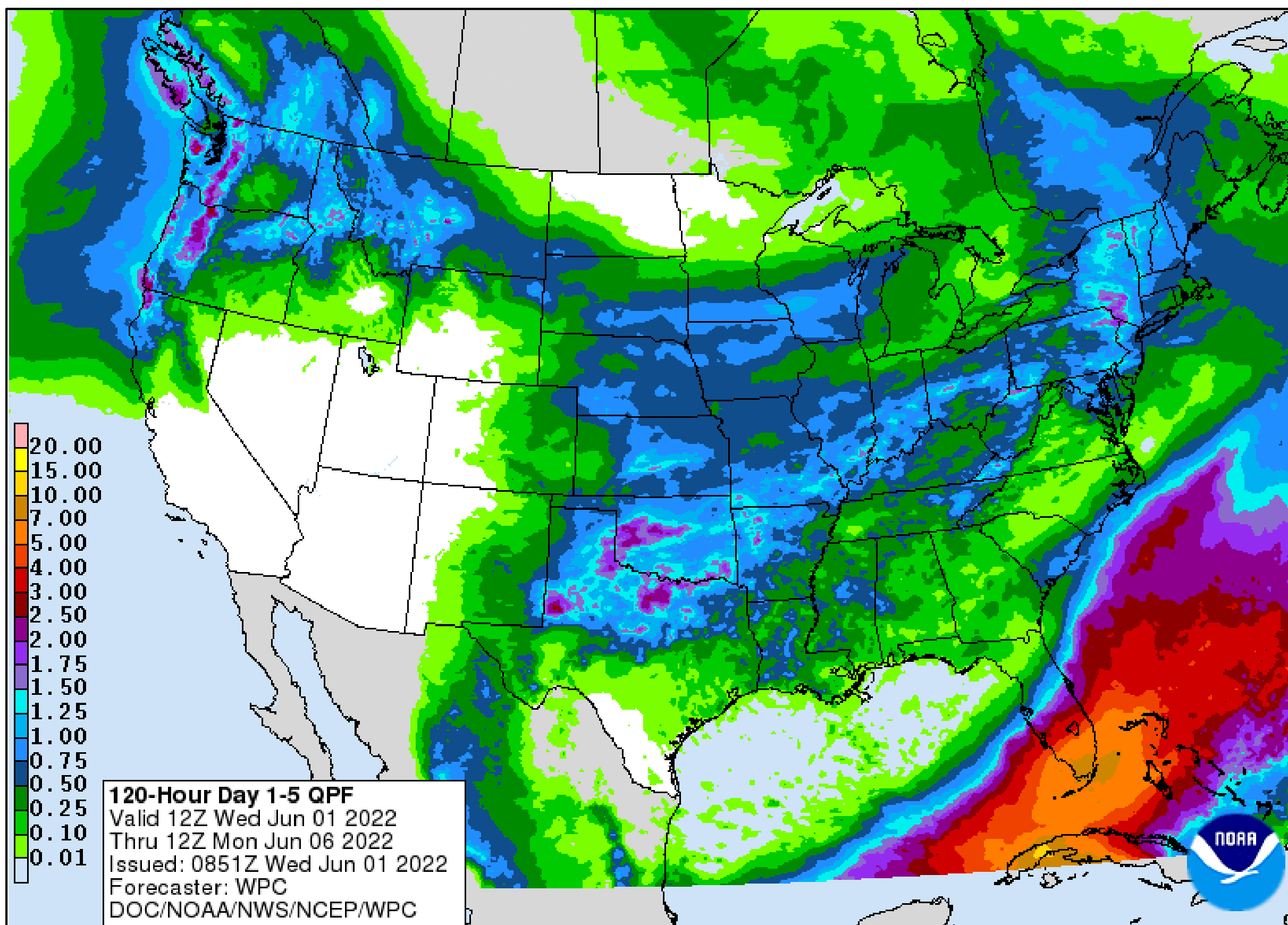
- Peak Rainfall Amounts expected over the Caribbean:
- - 8-10" Cuba
- - 8-10" Bahamas

Expected Storm Total Rainfall and Chance of Rainfall Flooding



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

NW Caribbean Disturbance Images from NWS Weather Prediction Center



- Total rainfall in inches from now through Monday morning

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

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

Chance for flooding rain through Saturday morning



Key Messages:

- System currently expected to peak in Gulf of Mexico with 30 kt/10 ft
- However, if it develops into a tropical cyclone, it could reach tropical storm intensity for SW Florida or FL Keys
- Could cause some wind/storm surge impacts on SW Florida coast/FL Keys
- Biggest impact is likely rainfall/flooding for southern Florida



NW CARIBBEAN DISTURBANCE BRIEFING

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

*The Next Briefing Will Be:
Thursday 8:15 AM EDT*

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



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