

IMPACTS FOR D7 (through next 2 days)

Winds – Moderate

Storm Surge – None

Rainfall/Flash Flooding – Moderate

Tornadoes – None

Waves - Low

POTENTIAL TROPICAL CYCLONE SIX BRIEFING

8:15 AM EDT

Tuesday, August 10, 2021

Prepared by:

Chris Landsea

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

www.nhc.noaa.gov

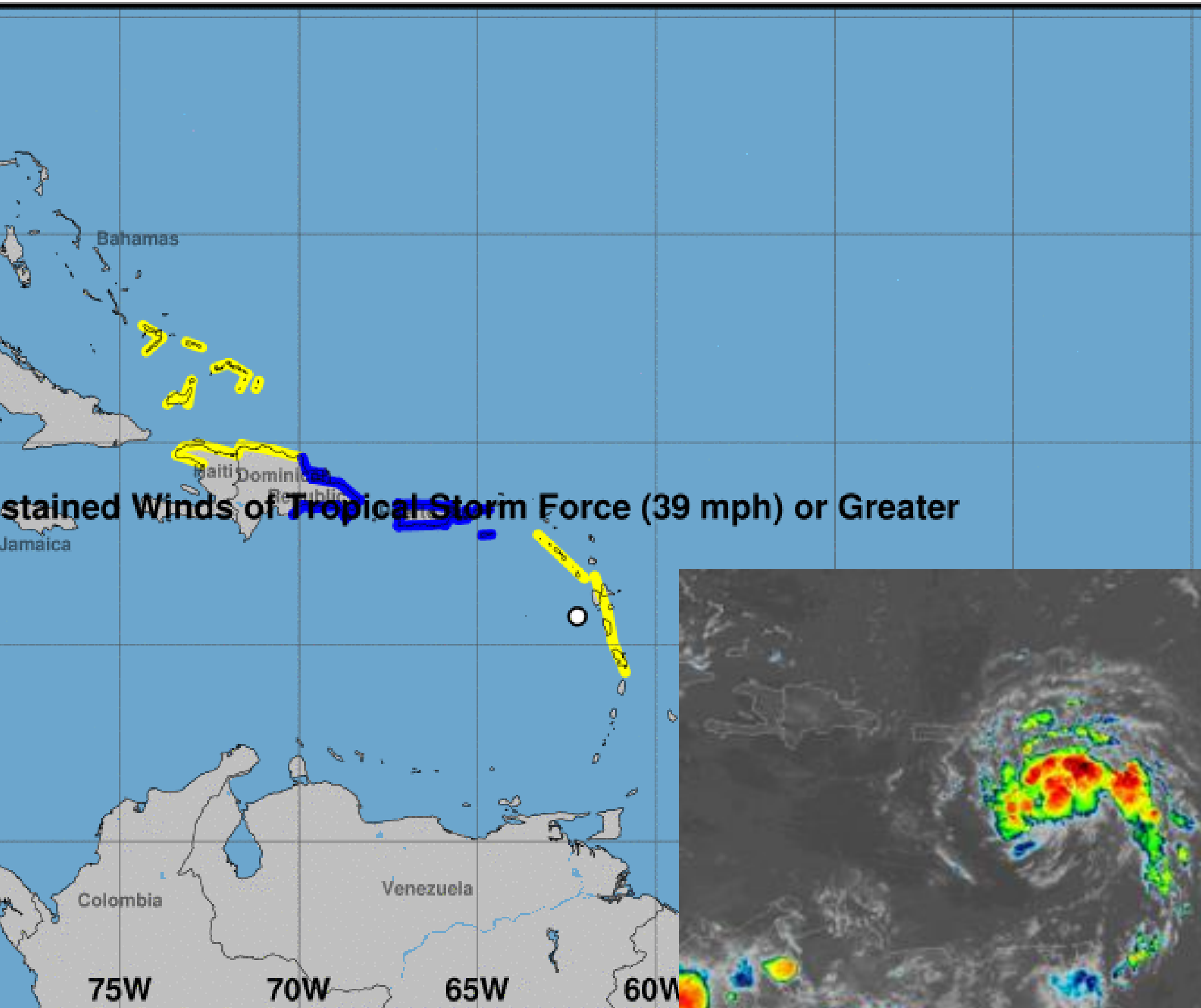
Situation Overview

Potential Tropical Cyclone Six



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Surface Wind Field of Potential Tropical Cyclone Six
as of 500 AM AST Tue Aug 10, 2021 Advisory Number 3



Warnings:
Hurricane Warning
Tropical Storm Warning

Sustained W:
Hurricane Force
Tropical Storm Force

--- Past Track



**...NOAA HURRICANE HUNTER
AIRCRAFT ENROUTE TO THE
DISTURBANCE...
...LIKELY TO BECOME A TROPICAL
STORM TODAY...**

SUMMARY OF 800 AM EDT...INFORMATION

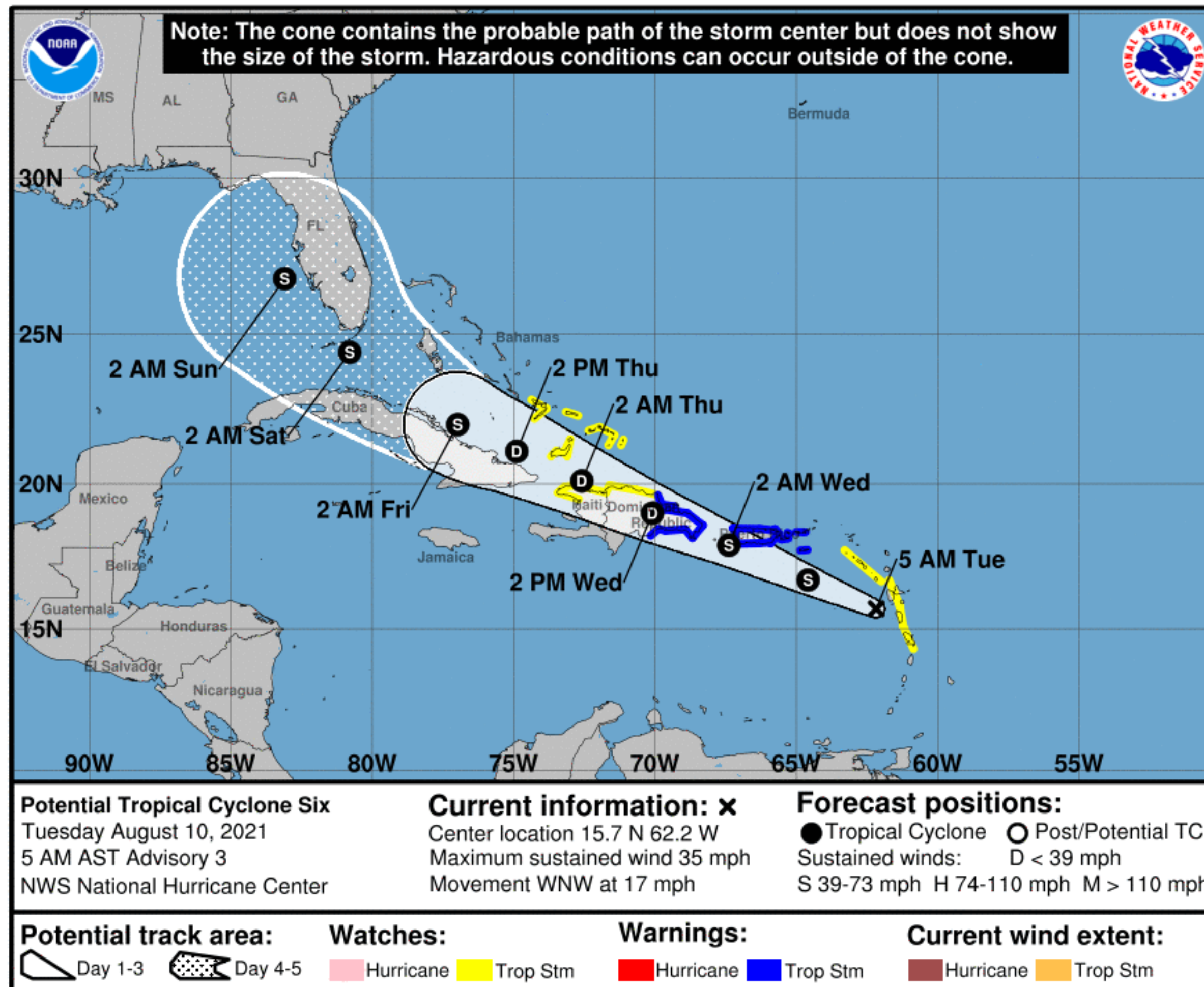
LOCATION...16.0N 63.1W
ABOUT 230 NM ESE OF PONCE PR
MAXIMUM SUSTAINED WINDS...30 KT
PRESENT MOVEMENT...WNW AT 15 KT
PEAK SEAS 10 FT

Forecast Information

Potential Tropical Cyclone Six



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



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

- **System expected to become a tropical storm today and impact U.S. Virgin Islands and Puerto Rico this afternoon and tonight.**
- **Weakening anticipated after crossing Hispaniola.**
- **PTC6 should track WNW or NW through the weekend.**
- **System may affect Florida as a tropical storm Saturday and Sunday**
- Current center forecast positions through the next 5 days 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

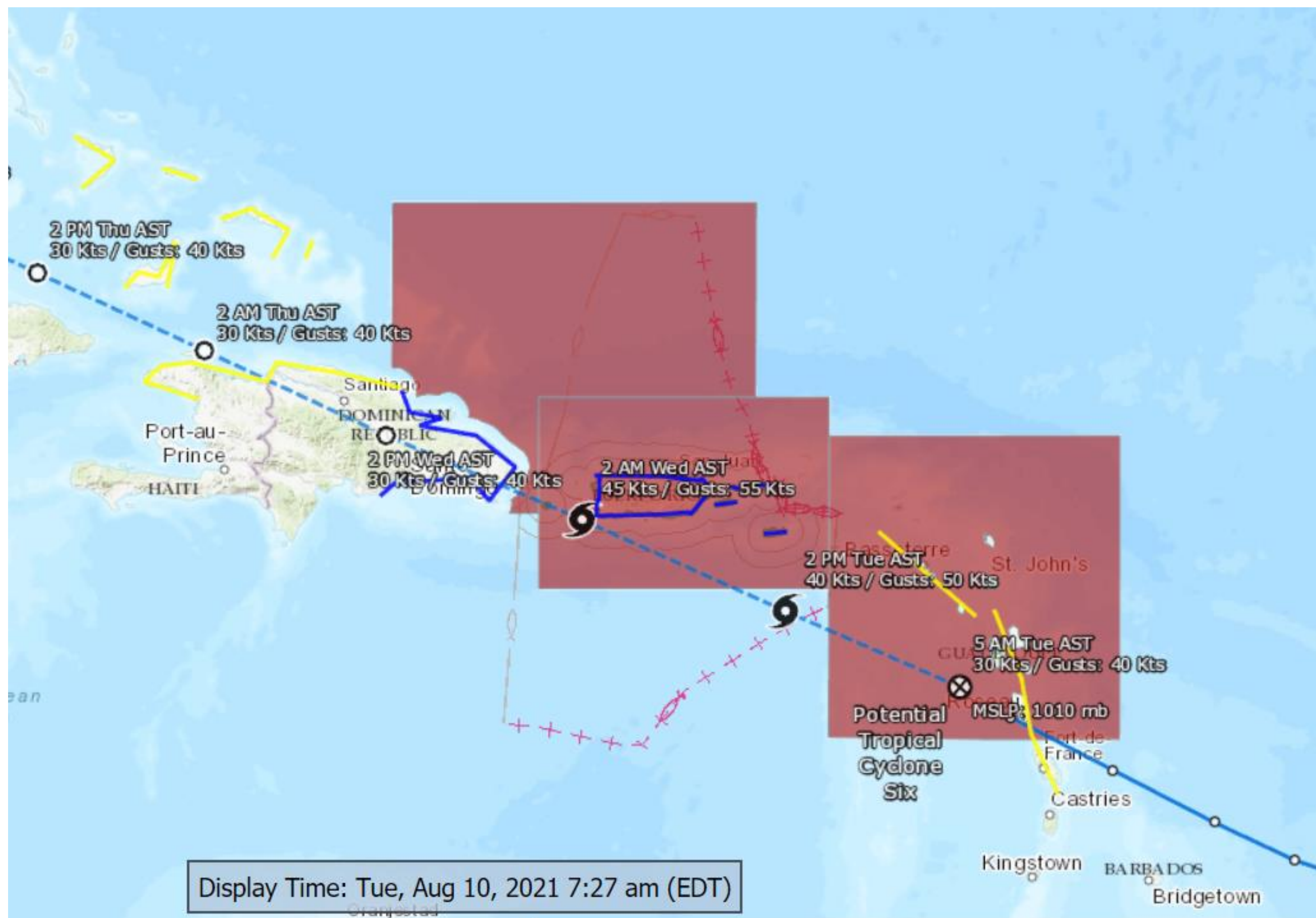
** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Potential Tropical Cyclone Six



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



 Tropical Storm Warning

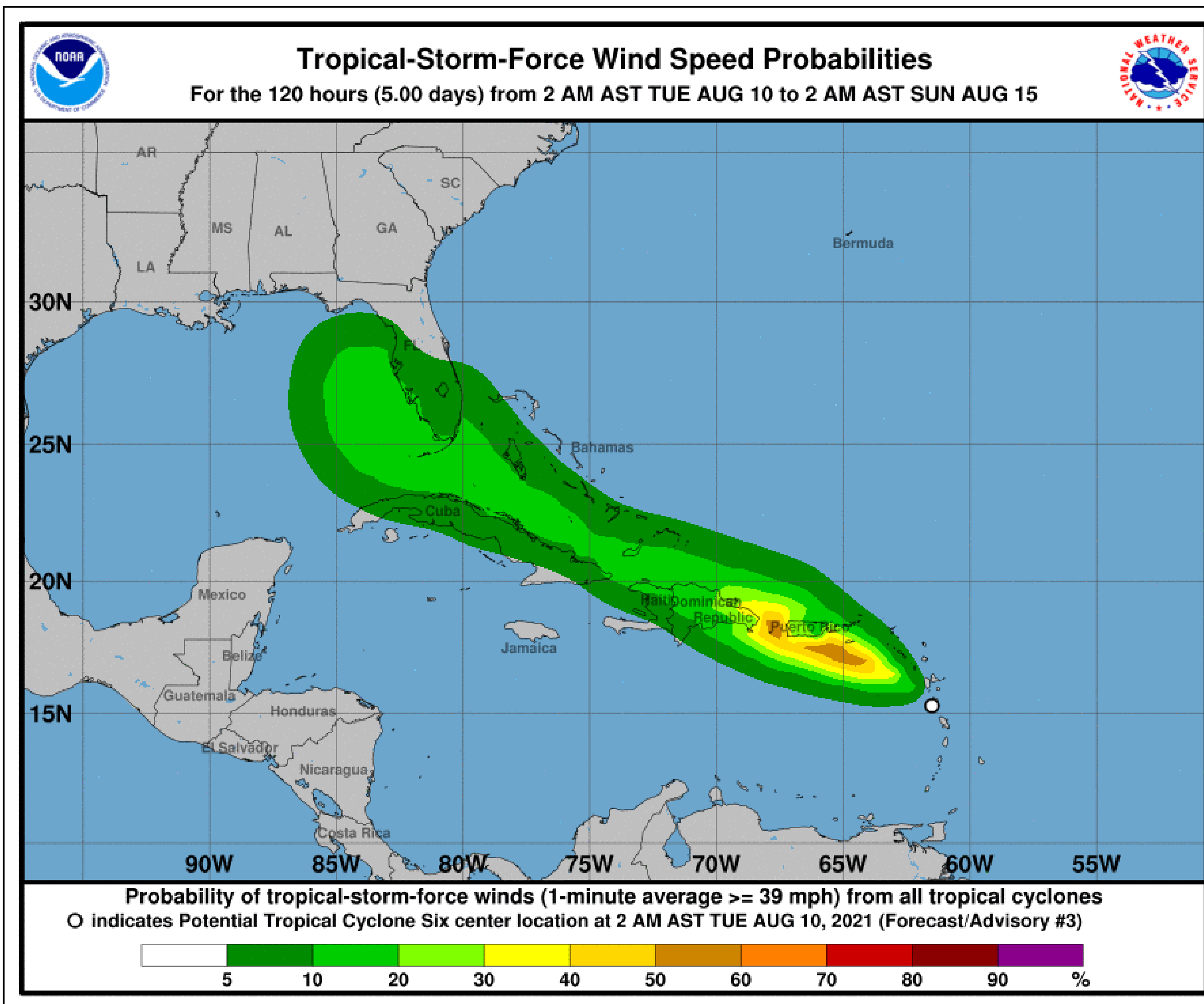
■ <https://nowcoast.noaa.gov/>

T.S. Wind Speed Probabilities

Potential Tropical Cyclone Six



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



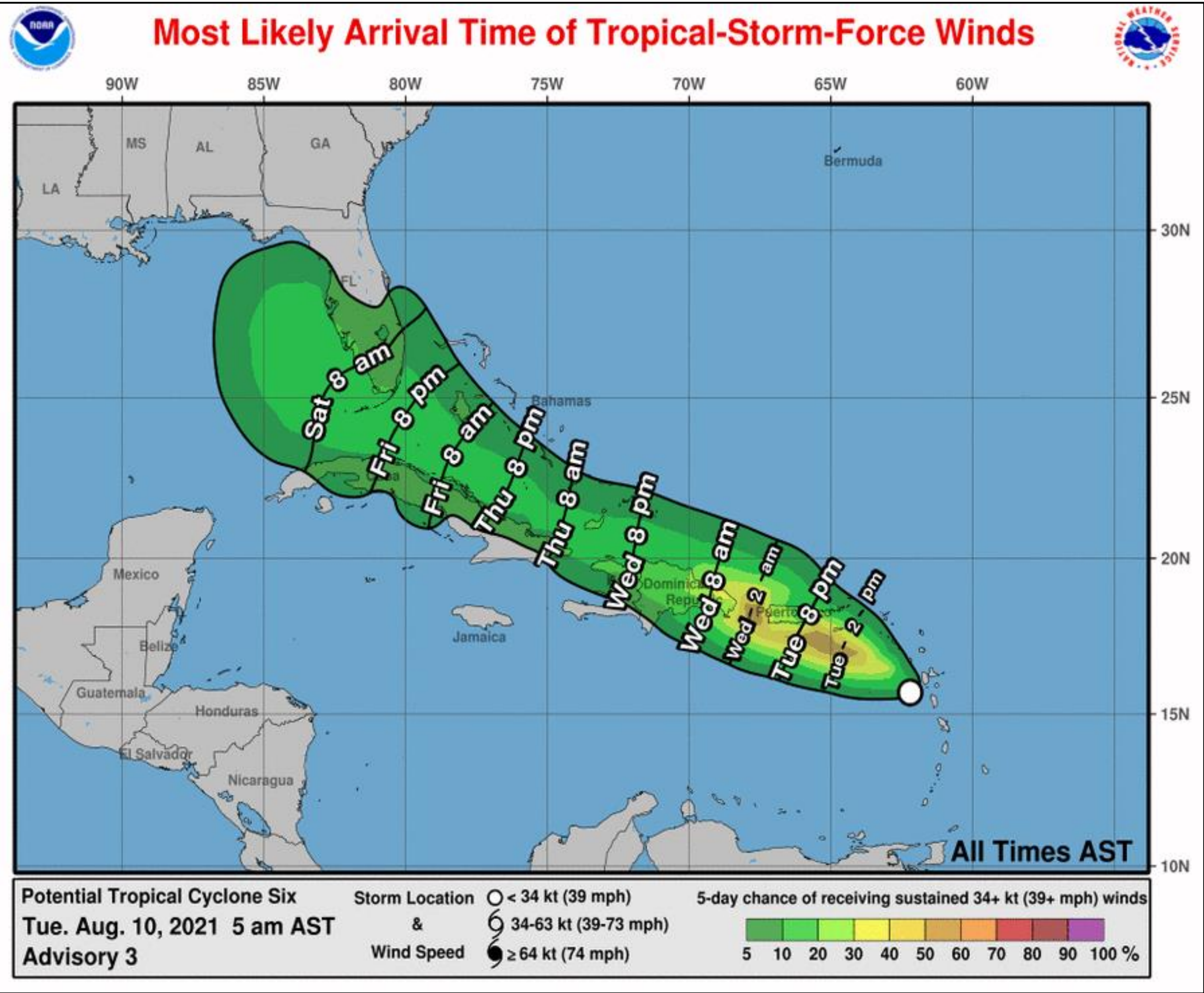
- **Ponce, PR – 25%**
- **Aguadilla, PR – 50%**
- **San Juan, PR – 15%**
- **Vieques, PR – 30%**
- **St. Thomas, USVI – 15%**
- **St. Croix, USVI – 35%**
- **Marathon – 15%**
- **Key West – 15%**
- **Naples – 15%**
- **Venice – 15%**
- Probabilities of sustained tropical storm force winds (34 kt to 63 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%
- See the color bar below the image for more details.

Most Likely Time of Arrival and Tropical Storm Windspeed Probabilities

Potential Tropical Cyclone Six



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



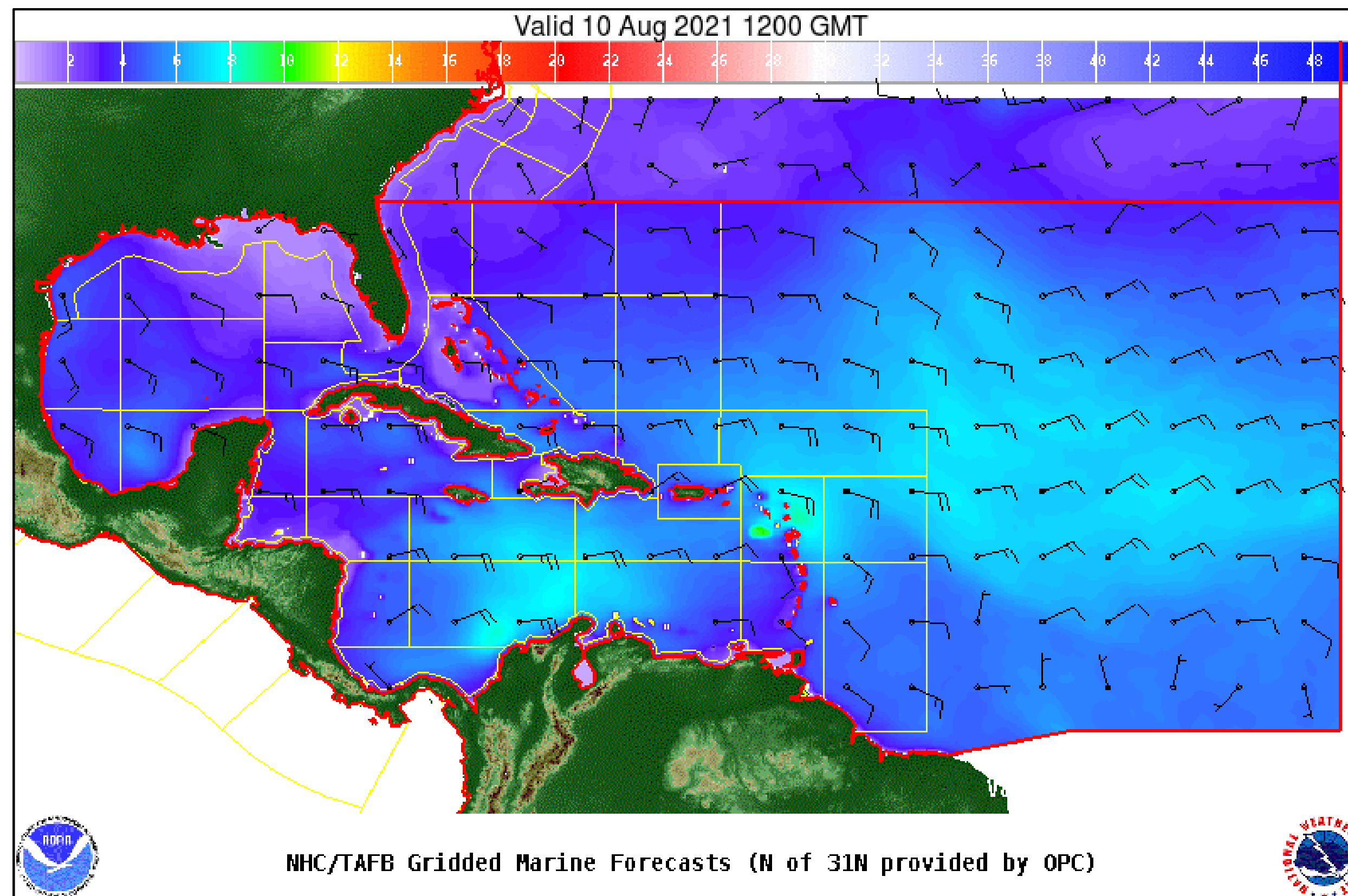
- **US Virgin Islands – This afternoon**
- **Puerto Rico – This evening**
- **South Florida – Friday night**
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%. Yellow to orange is 31-70%
- See the color bar below the image for more details.

Wind And Waves

Potential Tropical Cyclone six



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



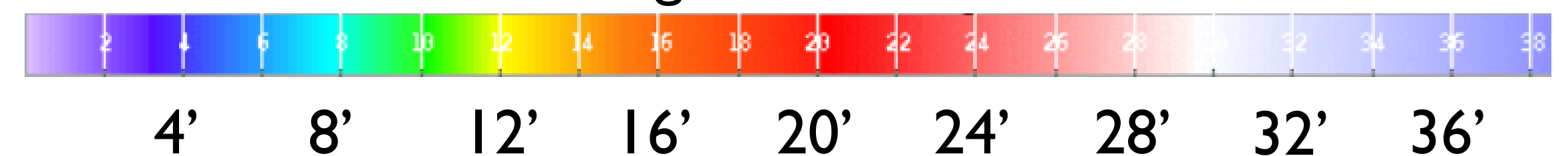
Current Conditions

8am EDT, Tuesday, August 10th

Peak Winds: 30 kt

Peak Seas: 10 ft

■ Wave heights are in feet

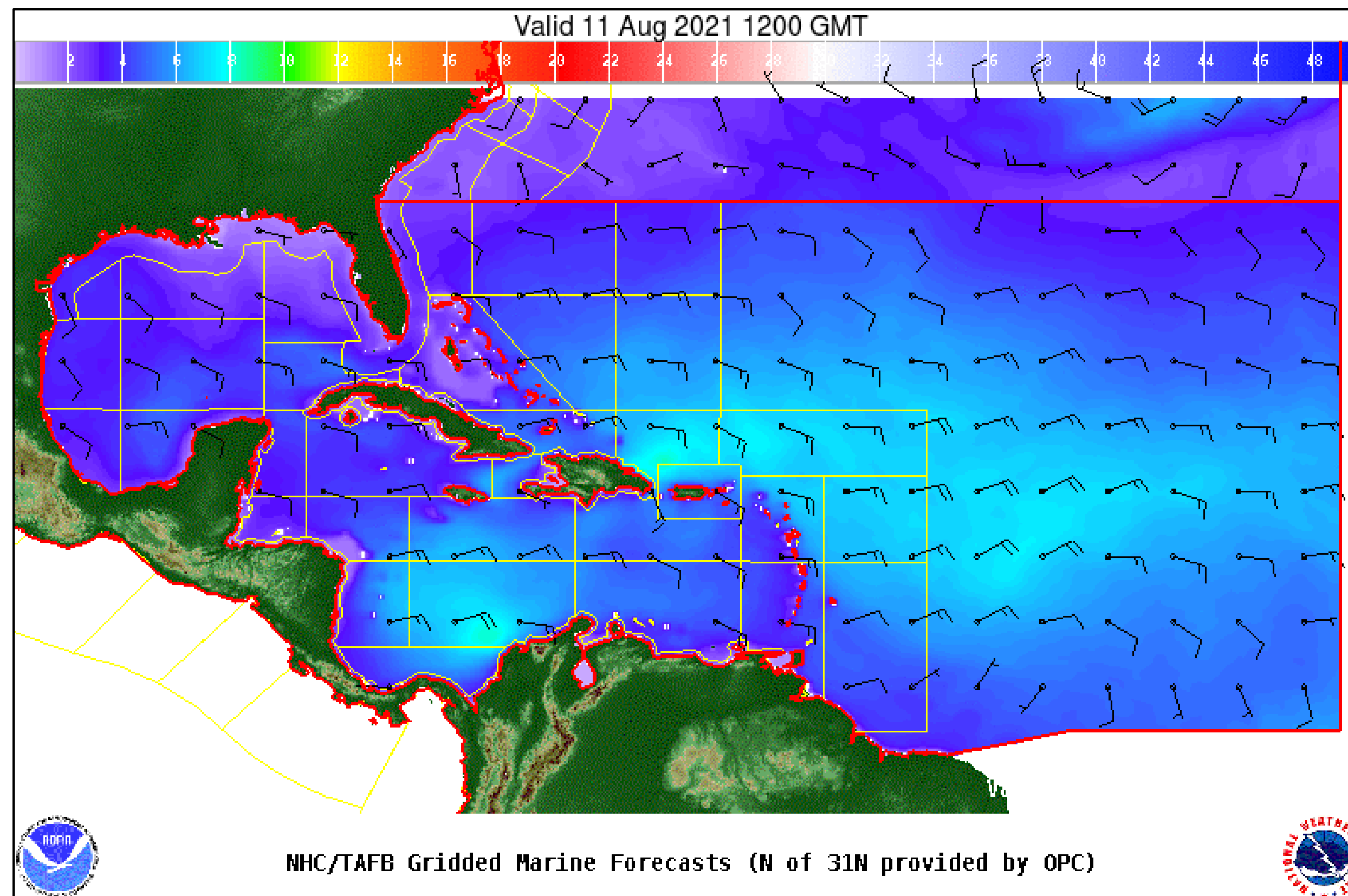


Wind And Waves

Potential Tropical Cyclone six



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



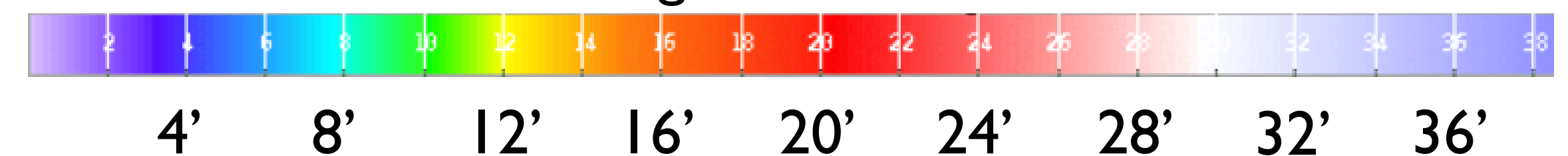
24 Hour Forecast

8am, Wednesday, August 11th

Peak Winds: 45 kt

Peak Seas: 11 ft

■ Wave heights are in feet

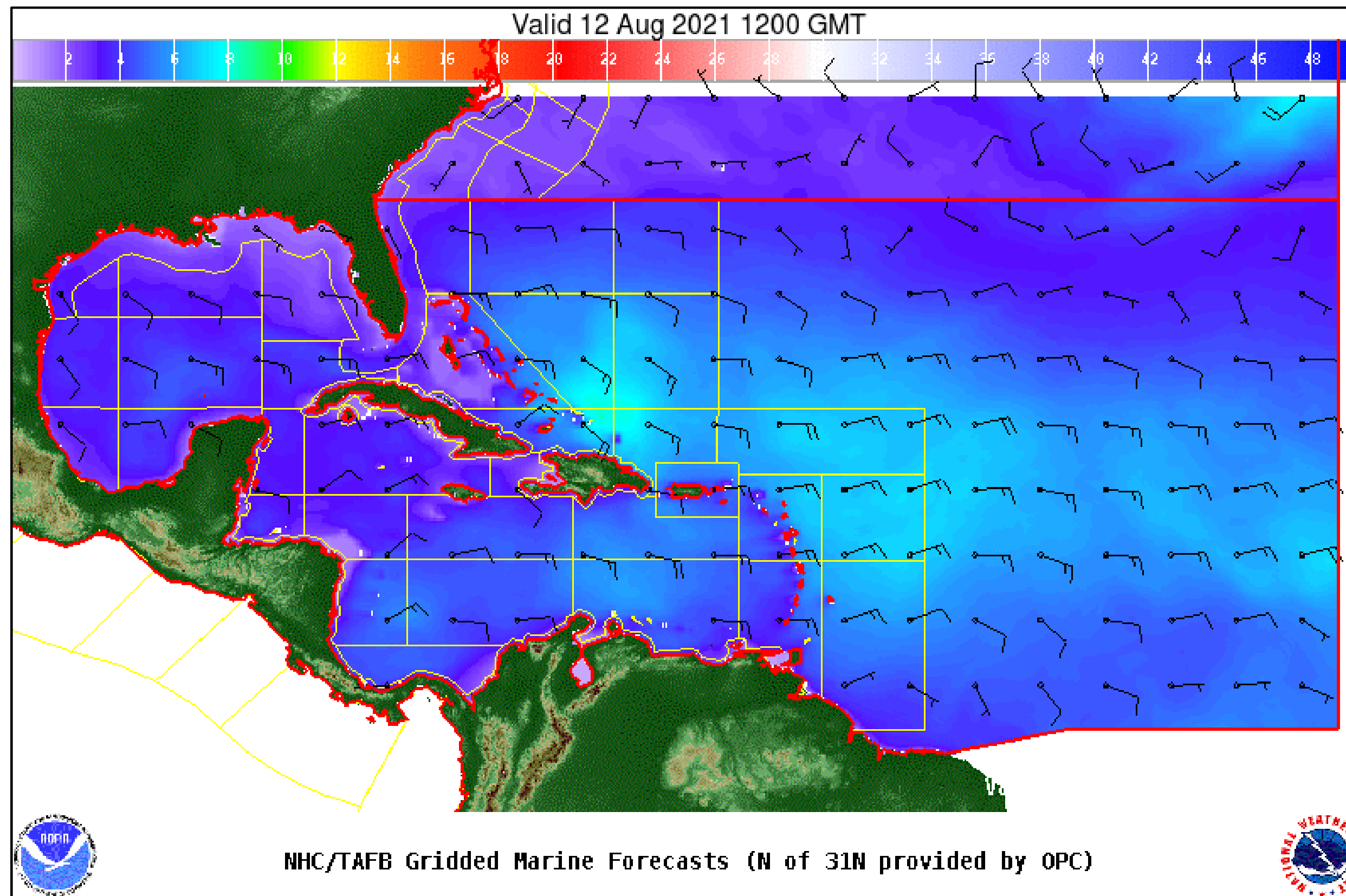


Wind And Waves

Potential Tropical Cyclone six



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



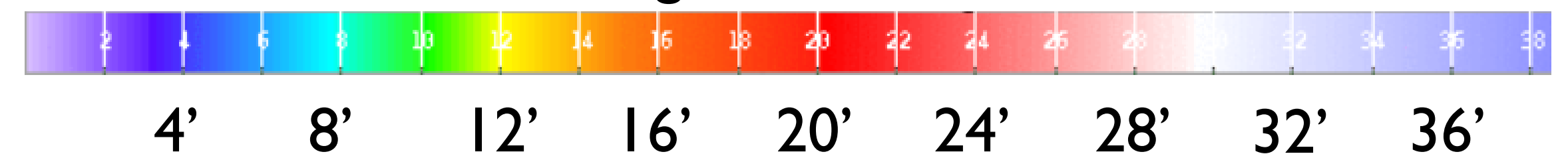
48 Hour Forecast

8am EDT, Thursday, August 12th

Peak Winds: 30 kt

Peak Seas: 10 ft

■ Wave heights are in feet

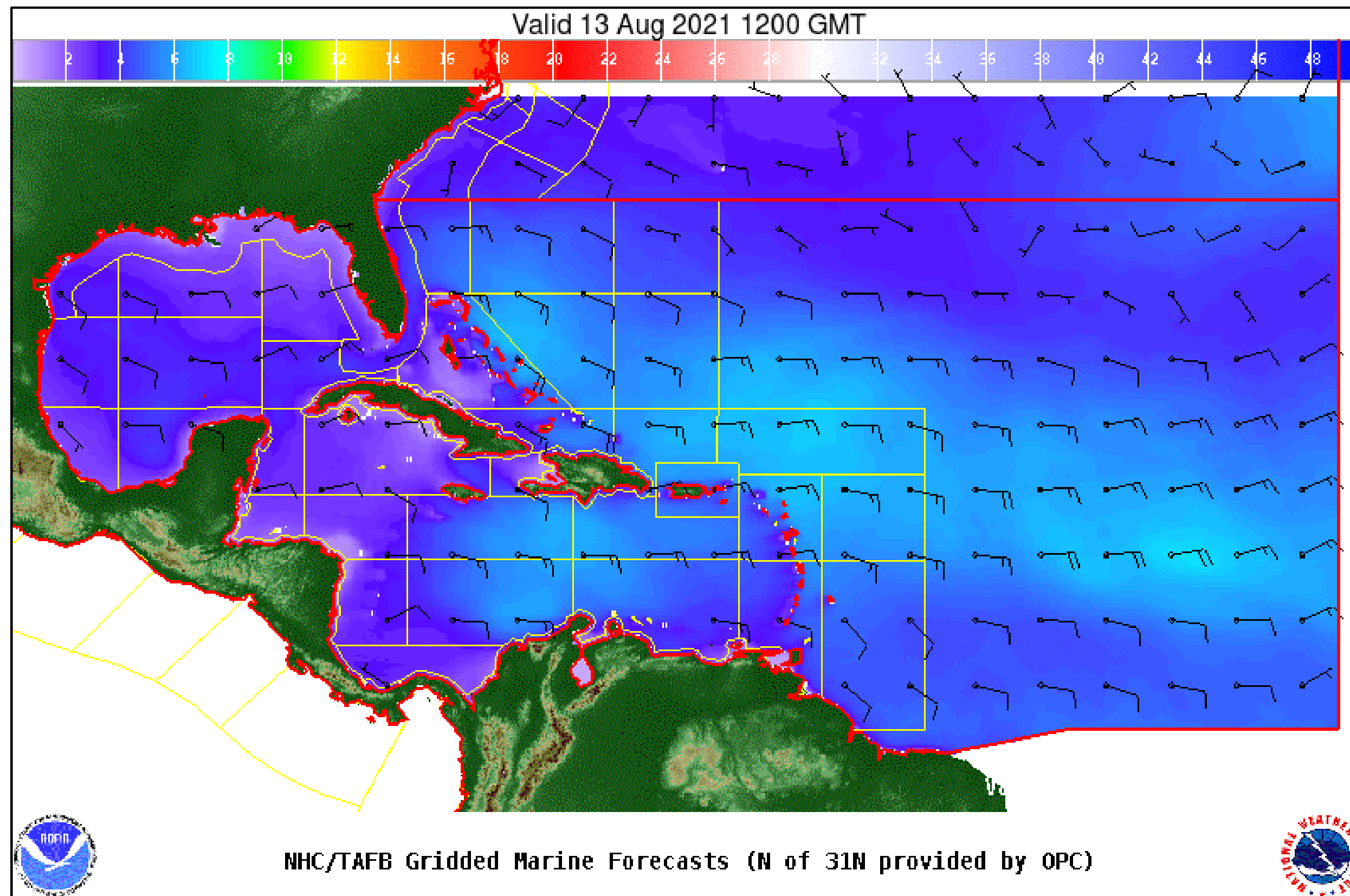


Wind And Waves

Potential Tropical Cyclone six



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



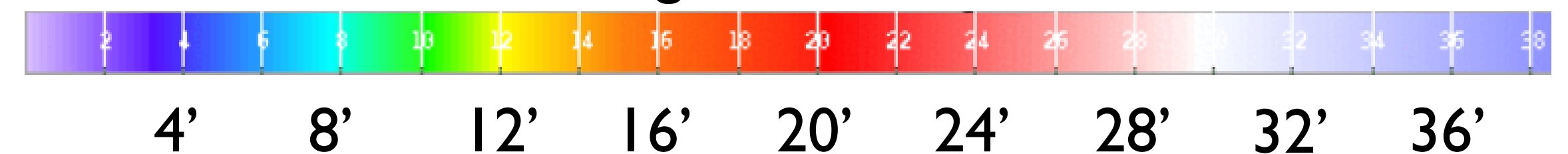
72 Hour Forecast

8am EDT, Friday, August 13th

Peak Winds: 30 kt

Peak Seas: 10 ft

■ Wave heights are in feet

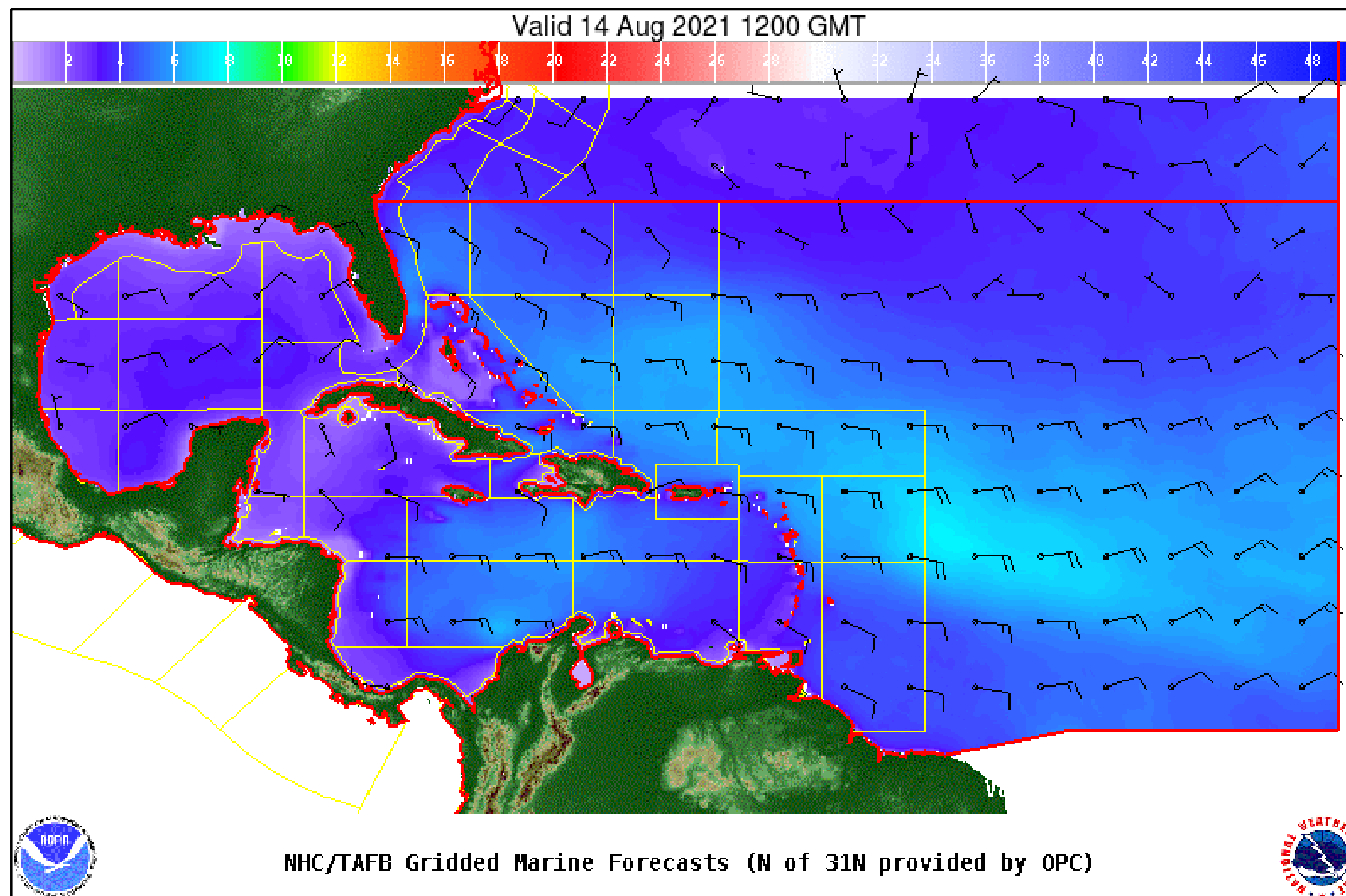


Wind And Waves

Potential Tropical Cyclone six



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



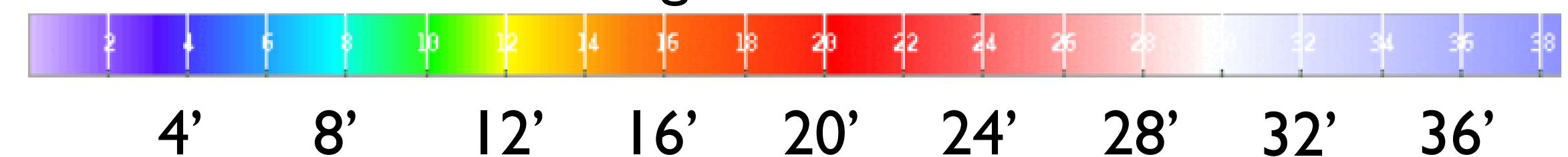
96 Hour Forecast

8am EDT, Saturday, August 14th

Peak Winds: 40 kt

Peak Seas: 10 ft

■ Wave heights are in feet



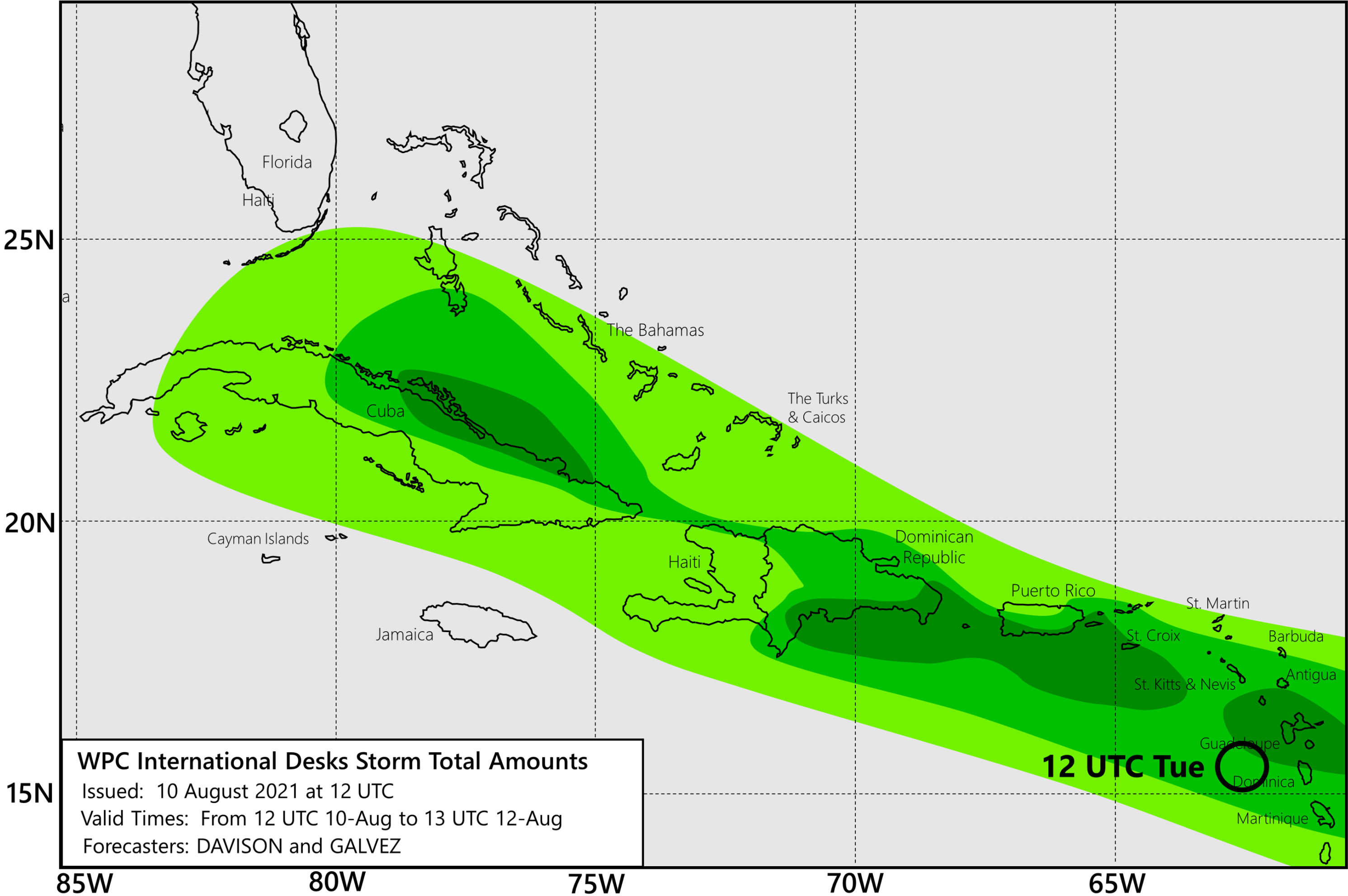
Expected Storm Total Rainfall

Potential Tropical Cyclone Six From NWS Weather Predication Center



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Potential Tropical Cyclone Six Rainfall Outlook



WPC International Desks Storm Total Amounts
Issued: 10 August 2021 at 12 UTC
Valid Times: From 12 UTC 10-Aug to 13 UTC 12-Aug
Forecasters: DAVISON and GALVEZ



Rainfall (in)	Rainfall (mm)
30+	750+
25-30	625-750
20-25	500-625
15-20	375-500
10-15	250-375
8-12	200-300
6-10	150-250
3-6	75-150
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.



- Total rainfall in inches through Thursday morning.

Key Messages

Potential Tropical Cyclone Six



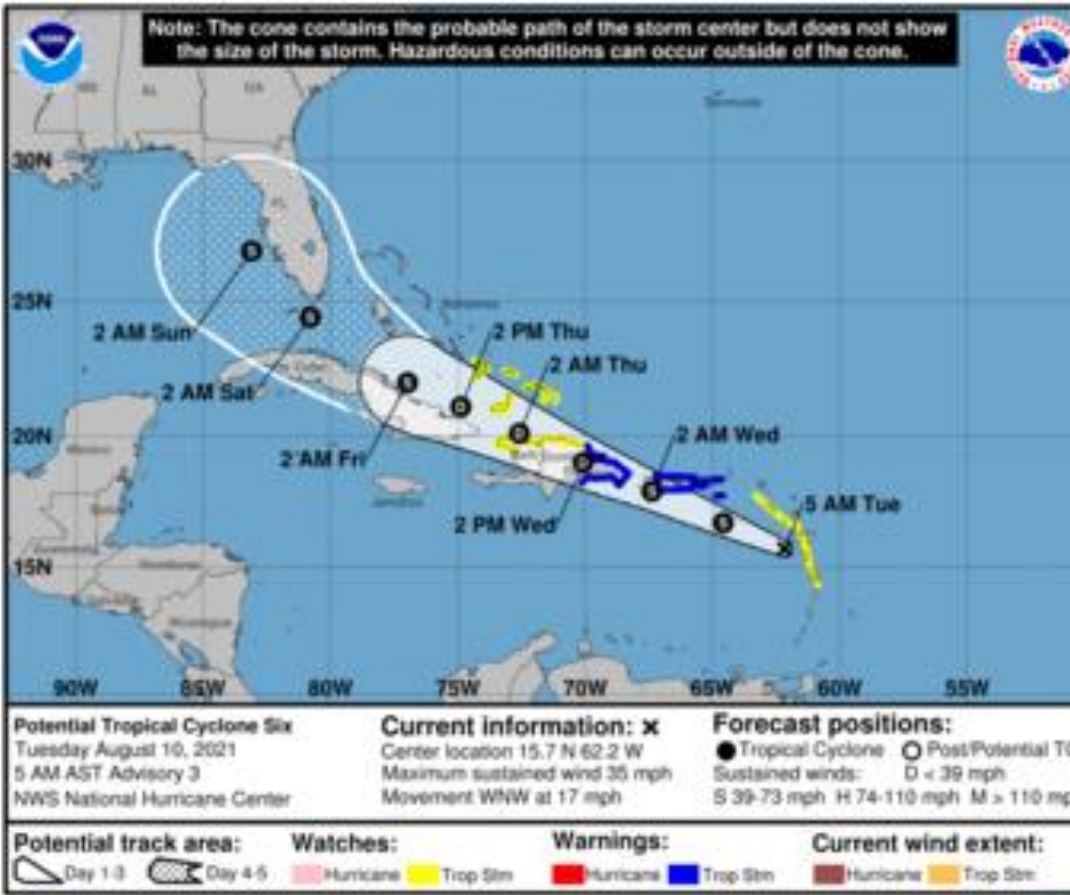
Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Key Messages for Potential Tropical Cyclone Six

Advisory 3: 5:00 AM AST Tue Aug 10, 2021

- The system is forecast to become a tropical storm as it moves over the northeastern Caribbean Sea today. Tropical storm conditions are expected in portions of the U.S. Virgin Islands and Puerto Rico beginning this afternoon, and in the Dominican Republic by Wednesday. Tropical storm conditions are possible in northern Haiti and the southeastern Bahamas by late Wednesday.
- Heavy rainfall could lead to flash, urban, and small stream flooding and potential mudslides across the U.S. Virgin Islands and Puerto Rico. The greatest threat for flooding impacts will be across the eastern and southeastern portions of Puerto Rico.
- There is a risk of wind and rainfall impacts elsewhere in portions of Hispaniola, the Bahamas, and Cuba later this week, although the forecast is more uncertain than usual since the system is still in its formative stage. Interests in these areas should monitor the system's progress and updates to the forecast.
- Interests in the remainder of the Bahamas and Florida should monitor updates to the forecast for this system, but it is too soon to determine what if any impacts could occur there by late this week or this weekend given the uncertainty in the long-range forecast.



Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.

Potential Tropical Cyclone Six
Tuesday August 10, 2021
5 AM AST Advisory 3
NWS National Hurricane Center

Current information: x
Center location 15.7 N 62.2 W
Maximum sustained wind 35 mph
Movement WNW at 17 mph

Forecast positions:
● Tropical Cyclone ○ Post/Potential TC
Sustained winds: D < 39 mph
S 39-73 mph H 74-110 mph M > 110 mph


Potential track area:
Day 1-3 Day 4-5

Watches:
Hurricane Trop Strm

Warnings:
Hurricane Trop Strm

Current wind extent:
Hurricane Trop Strm

Most Likely Arrival Time of Tropical-Storm-Force Winds



Potential Tropical Cyclone Six
Tue. Aug. 10, 2021 5 am AST
Advisory 3

Storm Location
○ < 34 kt (39 mph)
○ 34-63 kt (39-73 mph)
● > 64 kt (74 mph)

Wind Speed

5-day chance of receiving sustained 34+ kt (39+ mph) winds
5 10 20 30 40 50 60 70 80 90 100 %

For more information go to hurricanes.gov

IMPACTS FOR D7 (through next 2 days)

Winds – Moderate

Storm Surge – None

Rainfall/Flash Flooding – Moderate

Tornadoes – None

Waves - Low



POTENTIAL TROPICAL CYCLONE SIX BRIEFING

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

*The Next Briefing Will Be:
Wednesday 8:00 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