

IMPACTS FOR District 7 (through next 5 days)

Winds – Moderate

Storm Surge – Moderate

Rainfall/Flash Flooding – Moderate

Tornadoes – None

Waves - Moderate

TROPICAL STORM BRET BRIEFING



7:45 AM EDT
Tuesday, June 20, 2023

Prepared by:

Stephen Konarik

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



Impacts

Tropical Storm Bret



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NWS National Hurricane Center

Winds – Moderate

Storm Surge – Moderate

Rainfall/Flash Flooding – Moderate

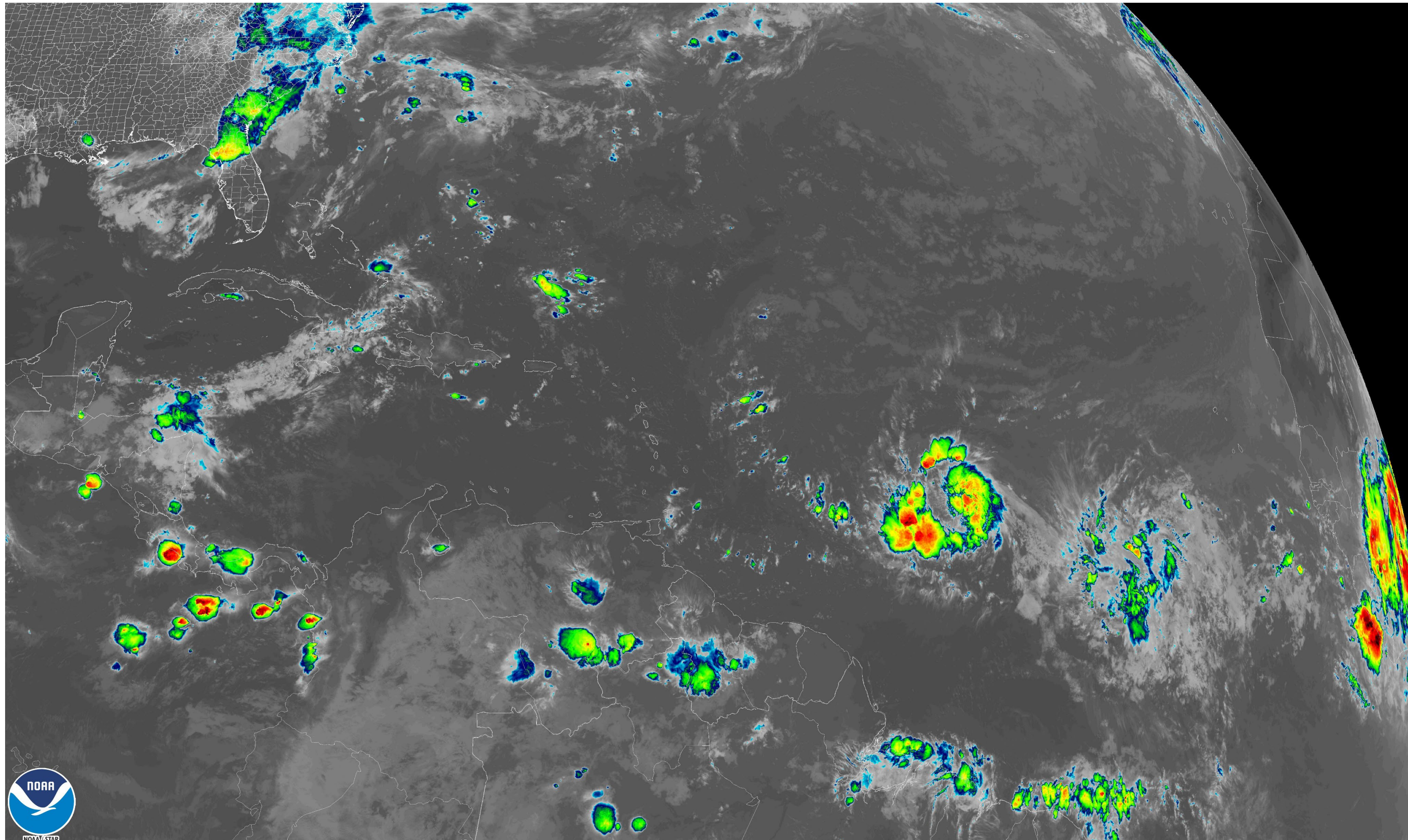
Waves - Moderate

Current Satellite View

Tropical Storm Bret



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NWS National Hurricane Center



20 Jun 2023 10:40Z - NOAA/NESDIS/STAR GOES-East - Band 13 - Tropical Atlantic Wide

6/20/2023 7:29 AM

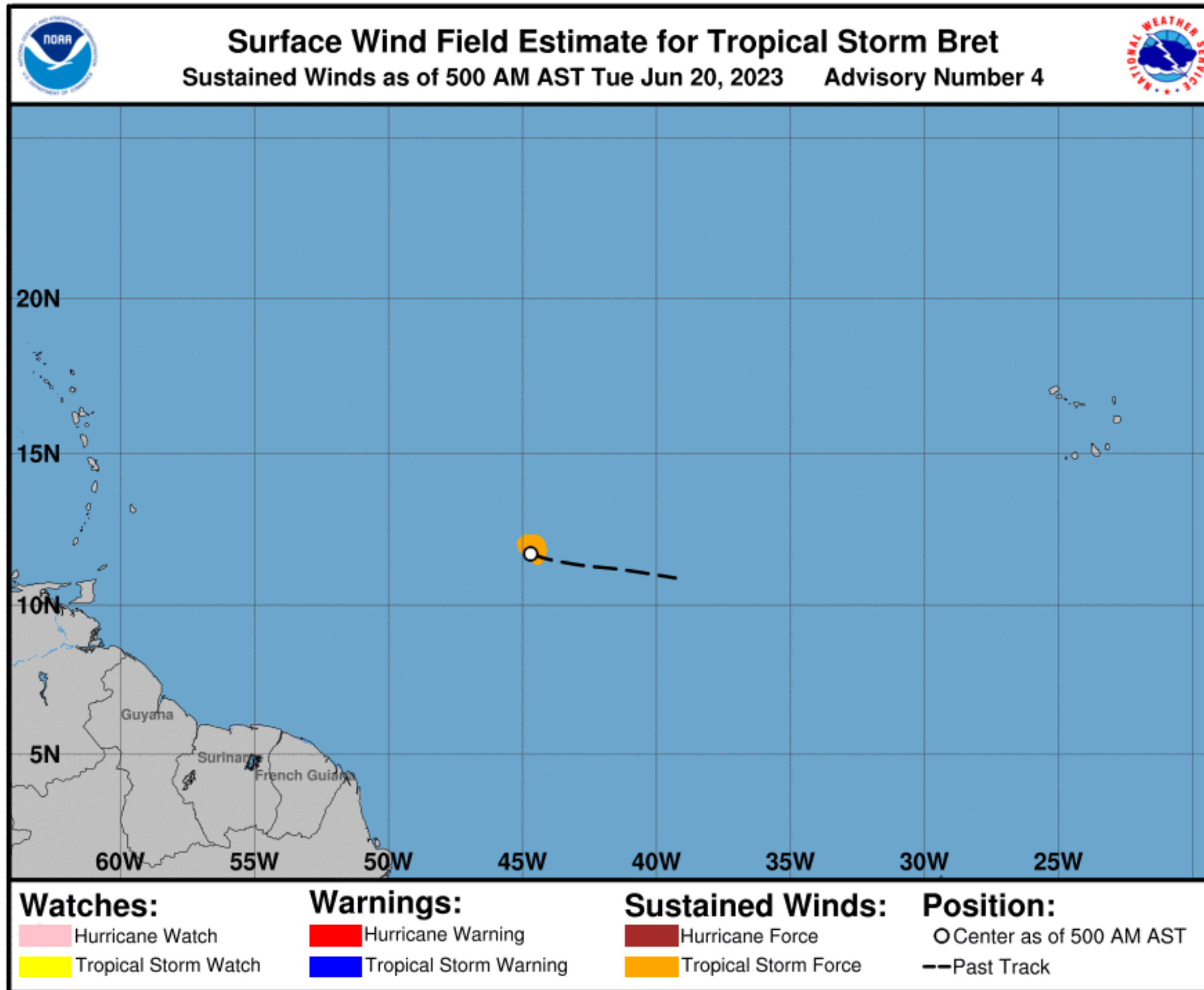
www.nhc.noaa.gov

Situation Overview

Tropical Storm Bret



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...BRET CONTINUES WESTWARD AND EXPECTED TO STRENGTHEN...

SUMMARY OF 500 AM EDT...0900 UTC...

LOCATION... 11.7N 44.7W

ABOUT 1130 MI...1815 KM E OF THE SOUTHERN WINDWARD ISLANDS

MAXIMUM SUSTAINED WINDS...**35 KT**

PRESENT MOVEMENT...**W OR 280 DEGREES AT 15 KT**

WAVES... **13 FT**

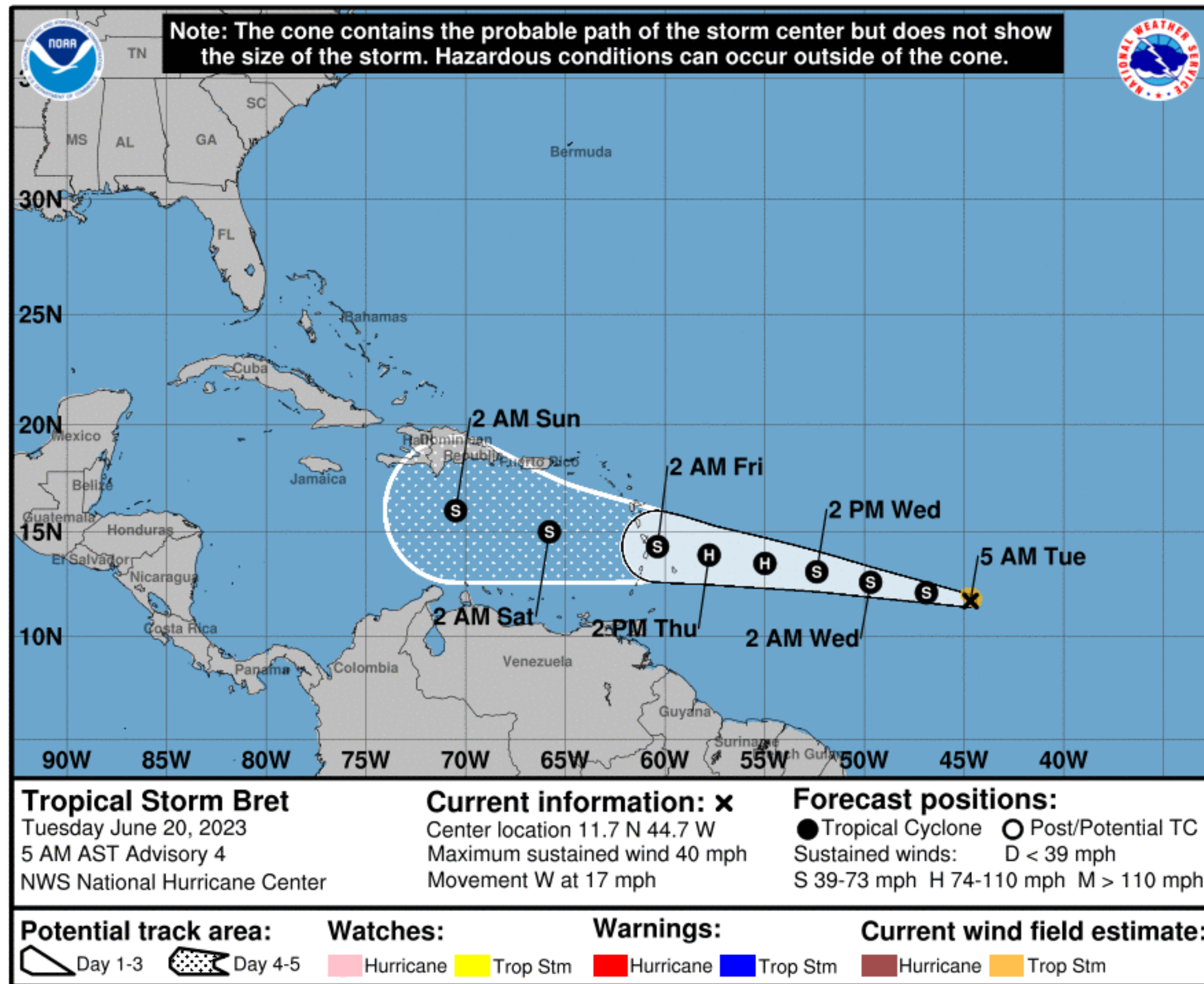
34 kt wind radii: 40 NM NE 30 NM SE 0 NM SW 40 NM NW
12 ft sea radii: 60 NM NE 0 NM SE 0 NM SW 60 NM NW

Forecast Information

Tropical Storm Bret



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...INTERESTS IN THE LESSER ANTILLES SHOULD MONITOR BRET'S PROGRESS...

- LARGER than usual uncertainty in strengthen and track
- Strengthening forecast into late week
- Forecast to become a hurricane Wed
- Unfavorable conditions may lead to slight weakening as Bret approaches Caribbean.

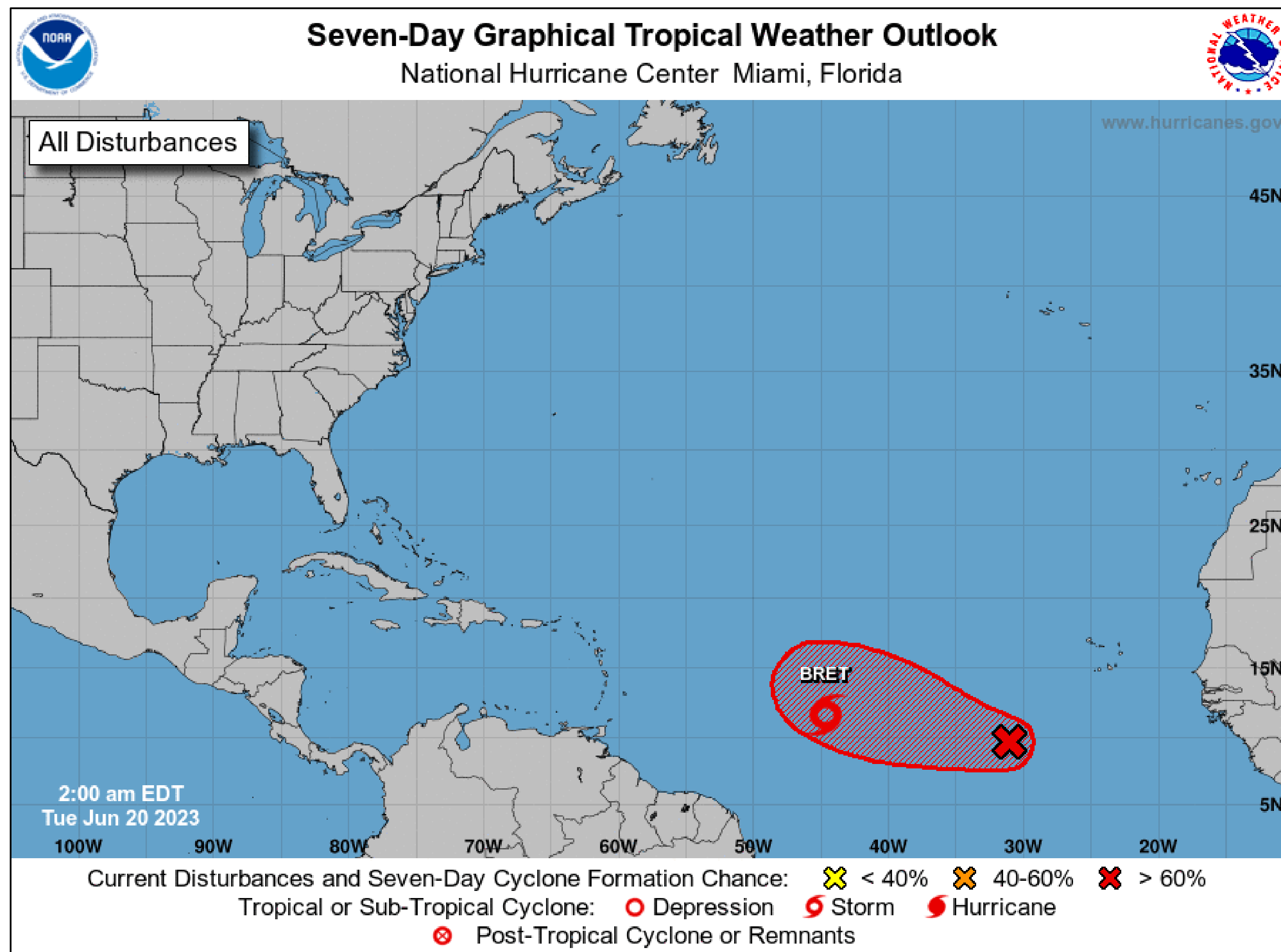
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Tropical Weather Outlook

Tropical Storm Bret



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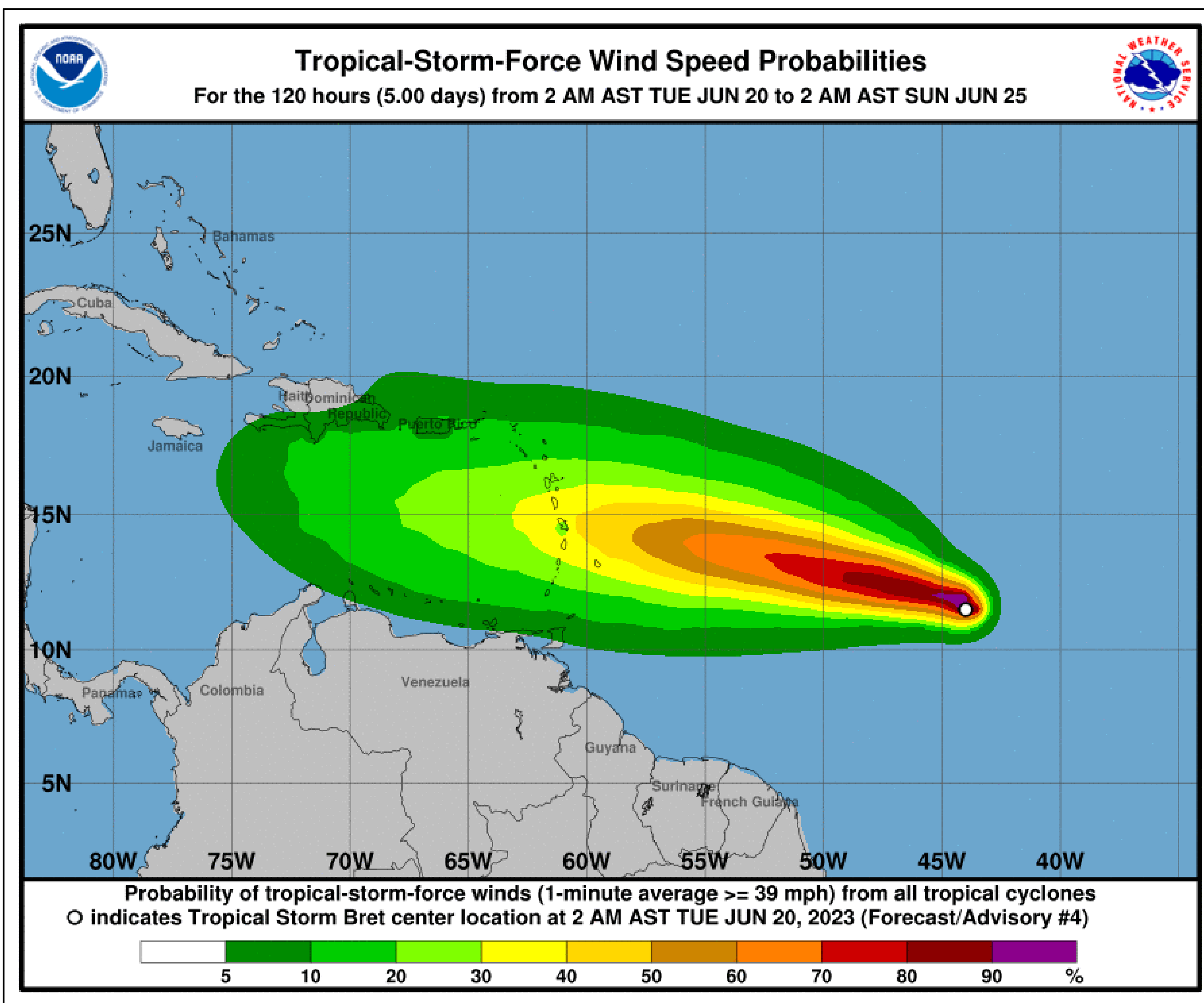
- Another disturbance behind Bret likely to develop
- This system has a better chance of curving north before reaching the Lesser Antilles
- **Reminder:** The hatched area represents a possible development area, not the system's path after development occurs.

T.S. Wind Speed Probabilities

Tropical Storm Bret



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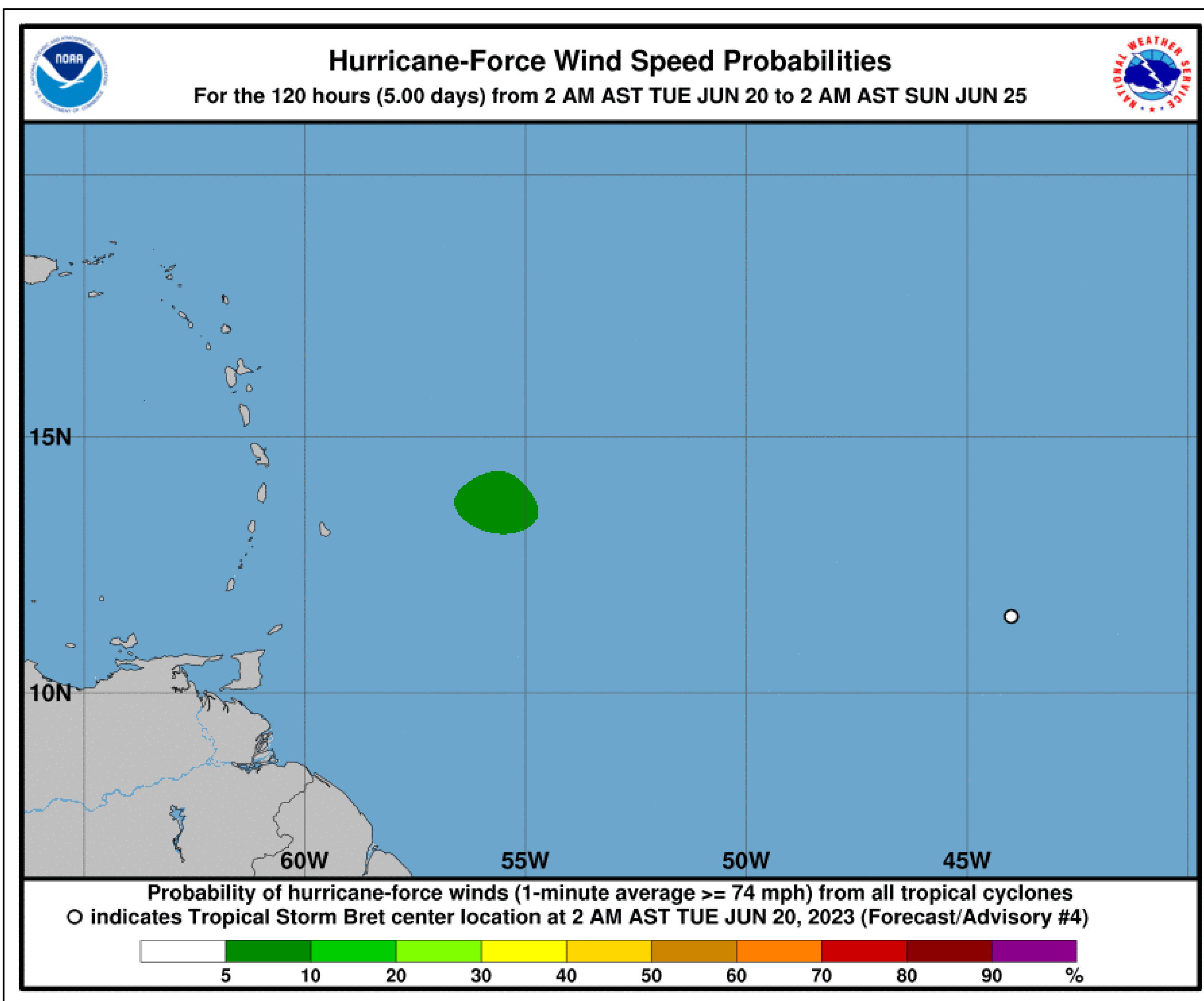
- Santo Domingo, DR 10%
- Ponce, PR 10%
- Aguadilla, PR 10%
- San Juan, PR 5%
- Vieques, PR 10%
- St Thomas, USVI 10%
- St Croix, USVI 10%
- St Marteen 10%
- St Kitts 20%
- Guadeloupe 30%

Hurricane Wind Speed Probabilities



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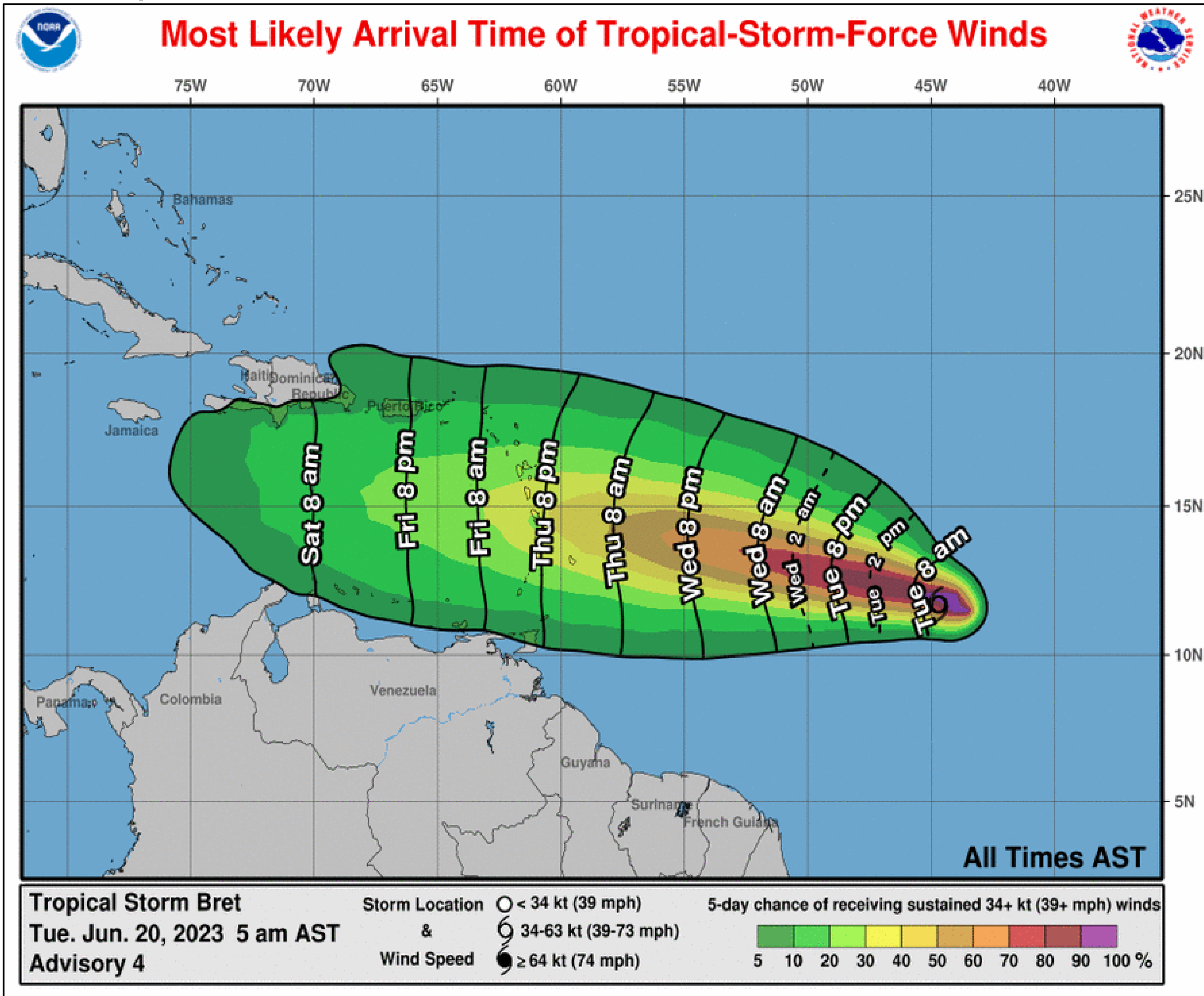
Tropical Storm Bret



- St Lucia: less than 5%
- Barbados: less than 5%



Tropical Storm Bret



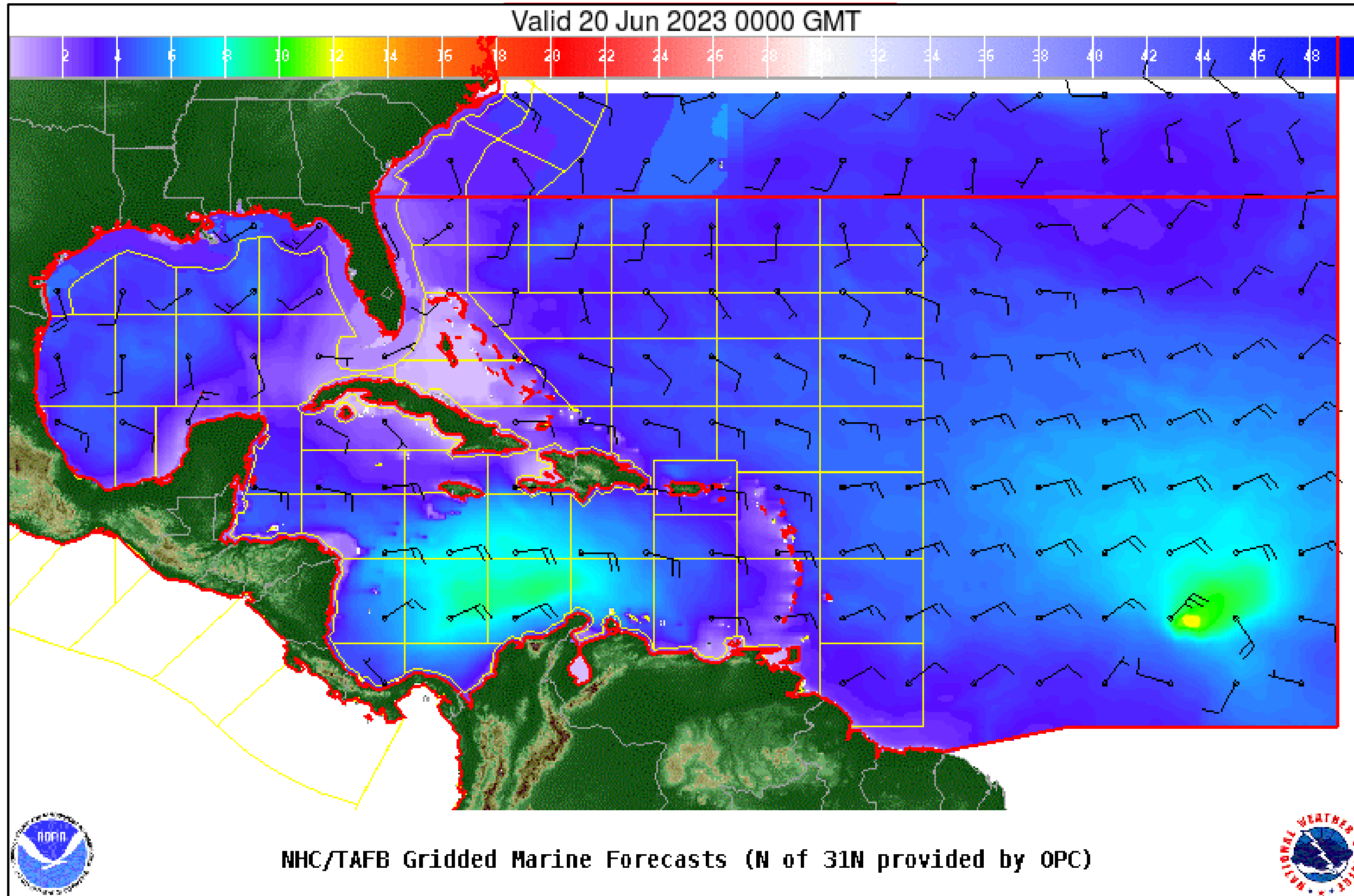
- Barbados: Thursday
- Windward Islands: late Thursday
- Leeward Islands: late Thursday
- Virgin Islands: Thursday night
- Puerto Rico: Friday

Wind And Waves

Tropical Storm Bret



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NWS National Hurricane Center

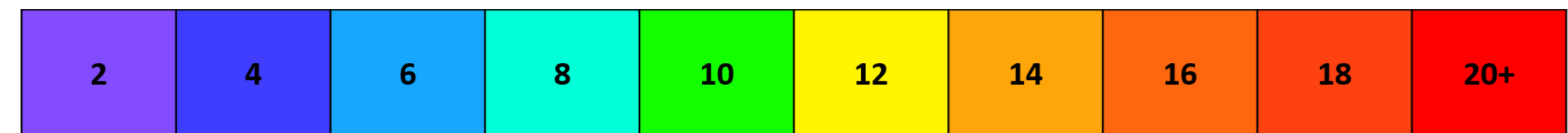


Current Conditions **Tuesday Morning**

Peak Winds: 35 kt

Peak Seas: 13 ft

- Wave heights are in feet



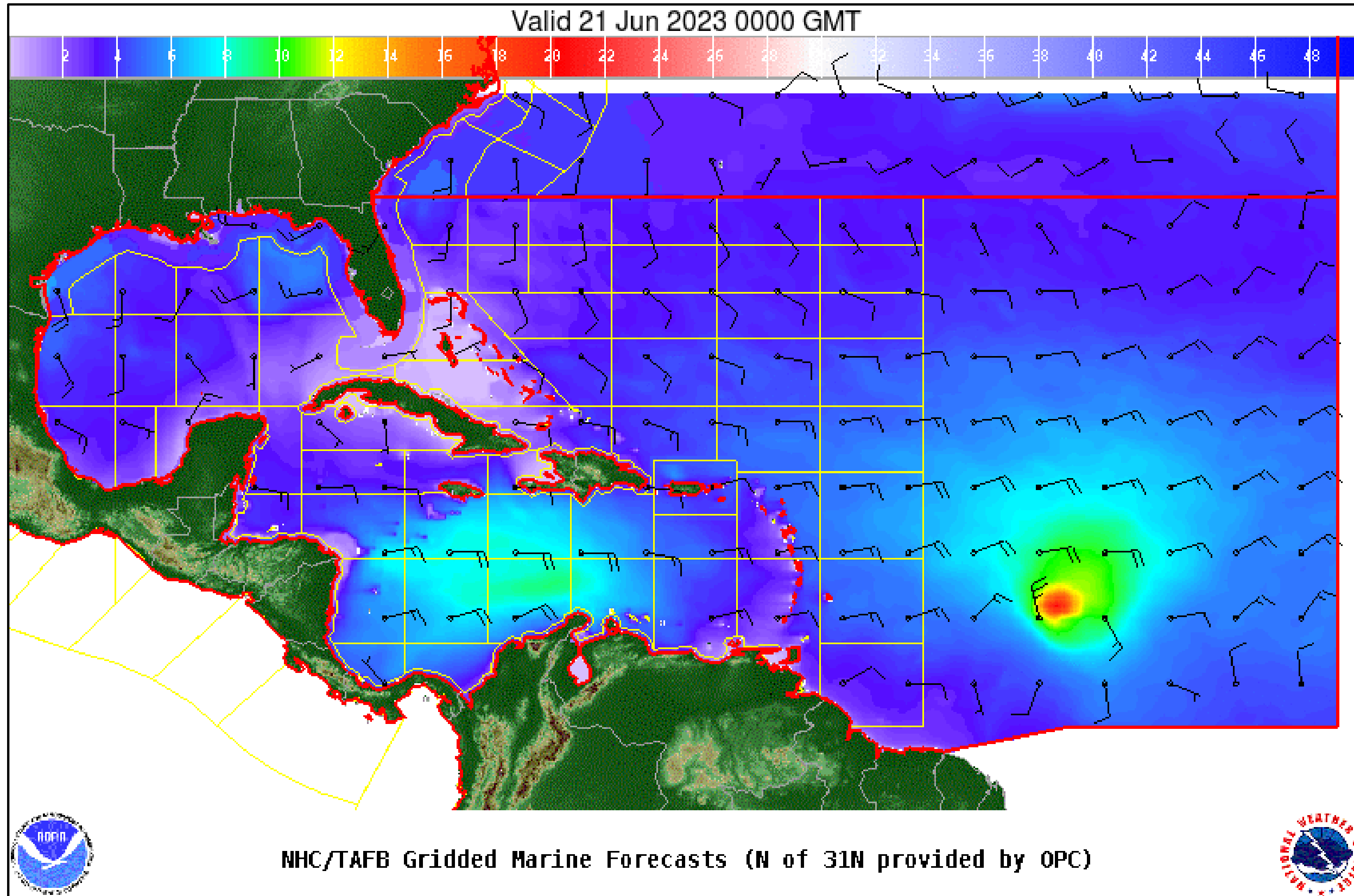
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Bret



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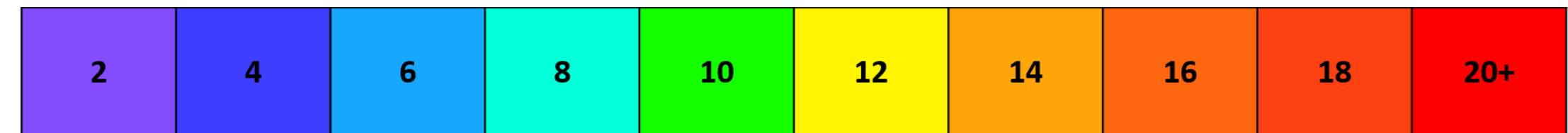


24 Hour Forecast **Tuesday Evening**

Peak Winds: 50 kt

Peak Seas: 18 ft

- Wave heights are in feet



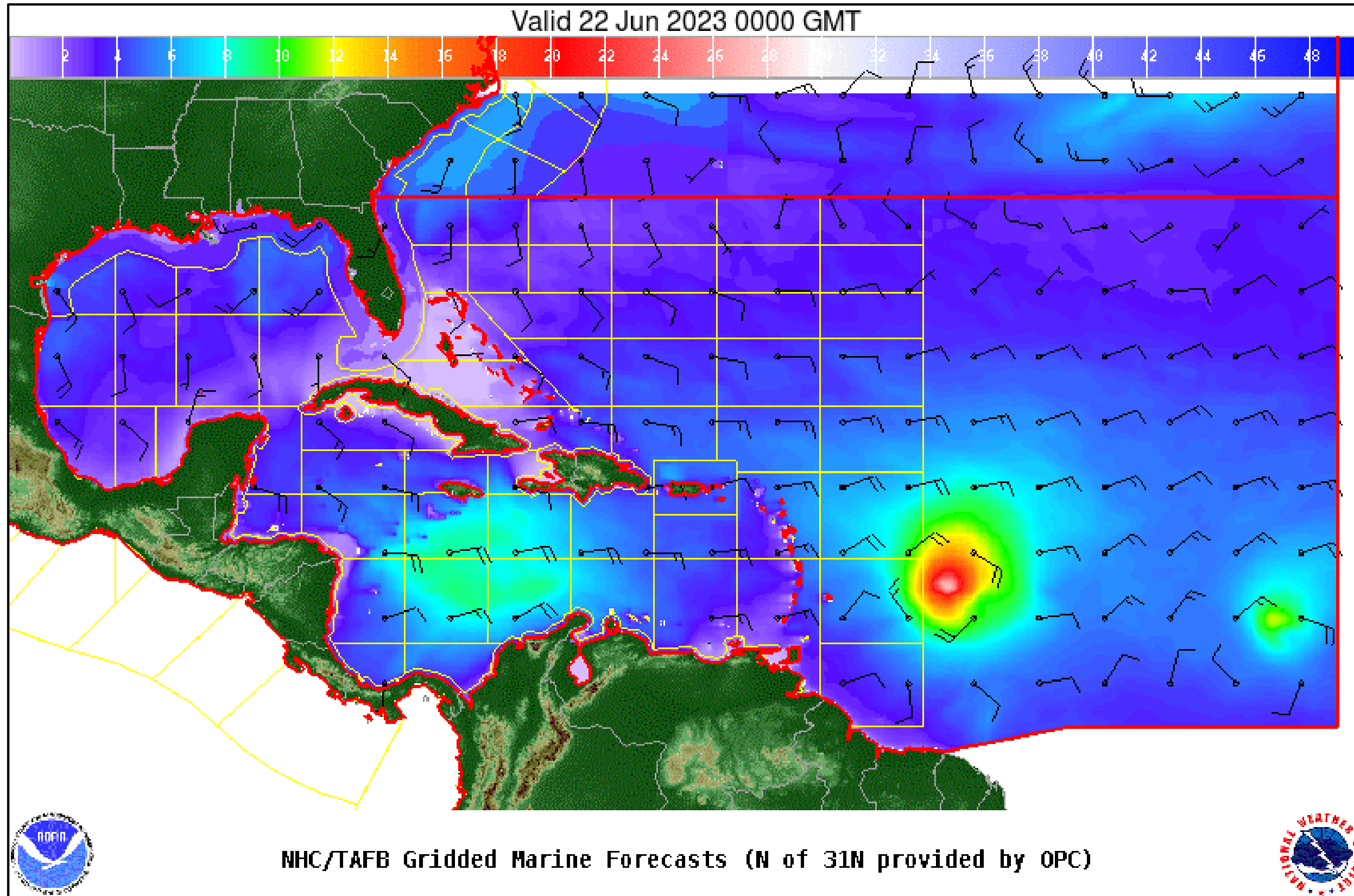
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Bret

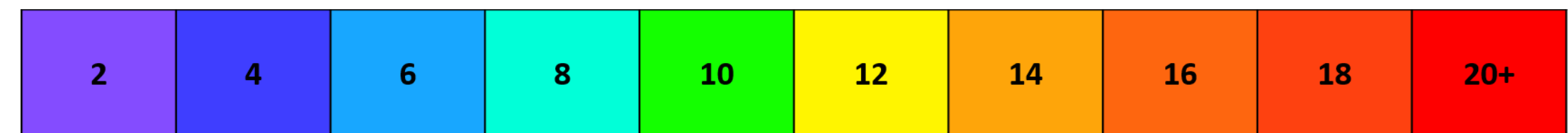


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48 Hour Forecast
Wednesday Evening
Peak Winds: 60 kt
Peak Seas: 21 ft

- Wave heights are in feet



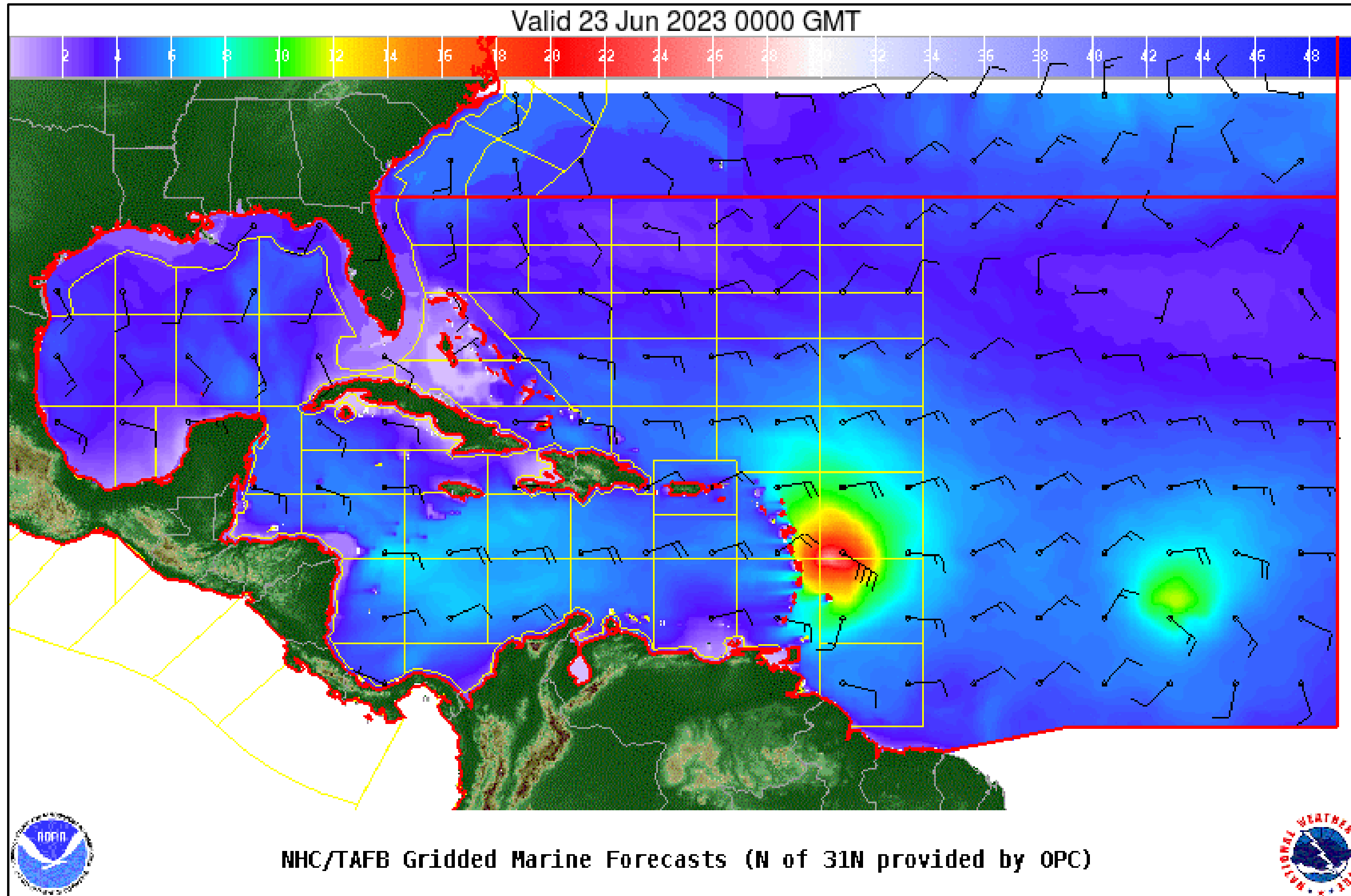
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Bret



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72 Hour Forecast

Thursday Evening

Peak Winds: 60 kt

Peak Seas: 21 ft

- Wave heights are in feet



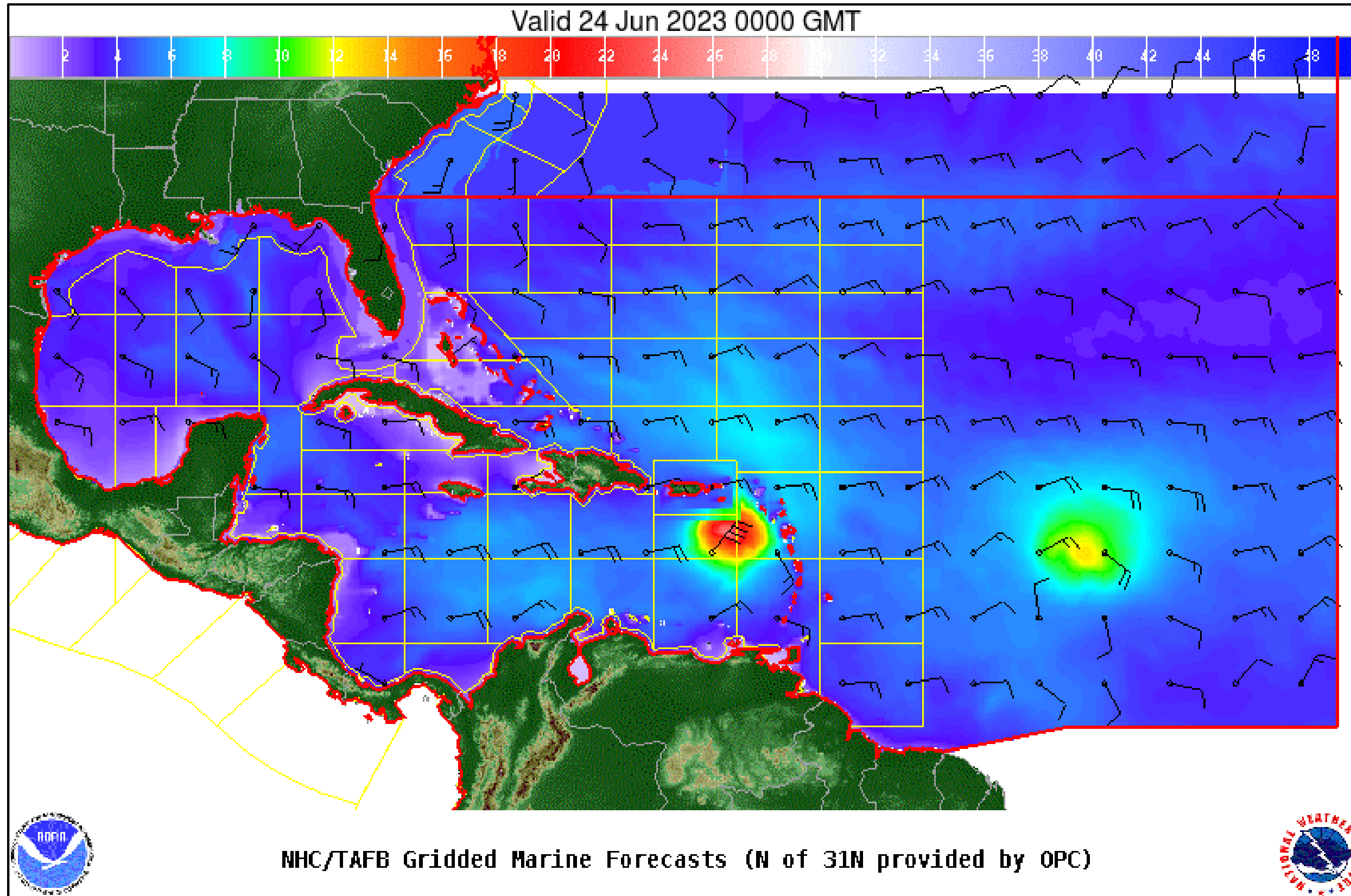
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Bret

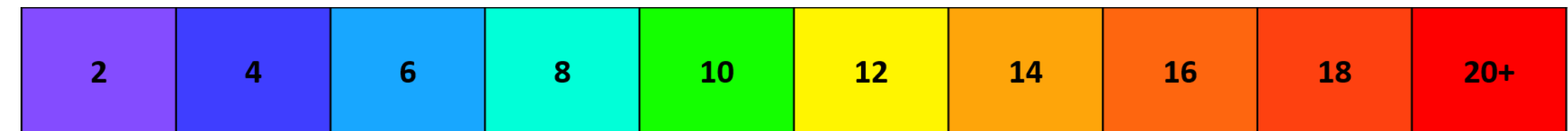


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NWS National Hurricane Center



96 Hour Forecast
Friday Evening
Peak Winds: 60 kt
Peak Seas: 21 ft

- Wave heights are in feet



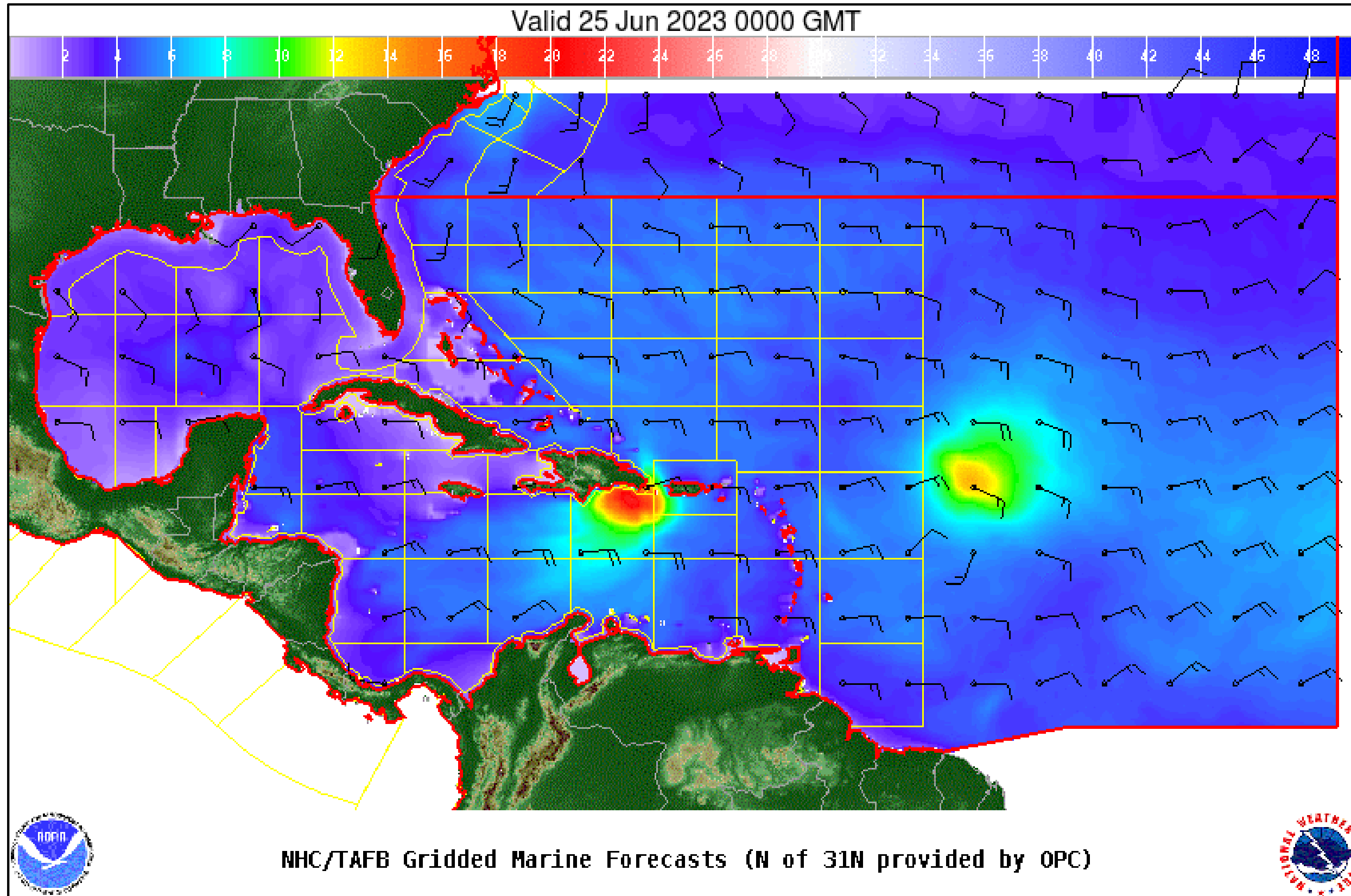
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Bret

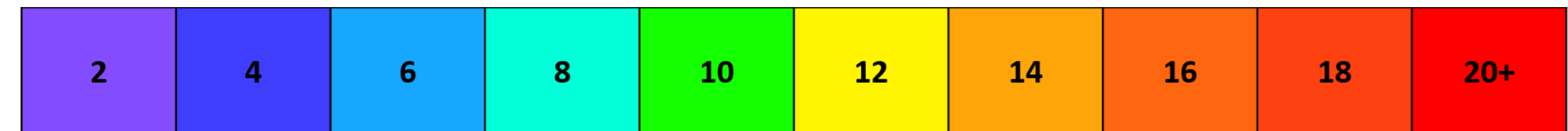


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120 Hour Forecast
Saturday Evening
Peak Winds: 55 kt
Peak Seas: 20 ft

- Wave heights are in feet



Significant Wave Height (ft)

Expected Storm Total Rainfall

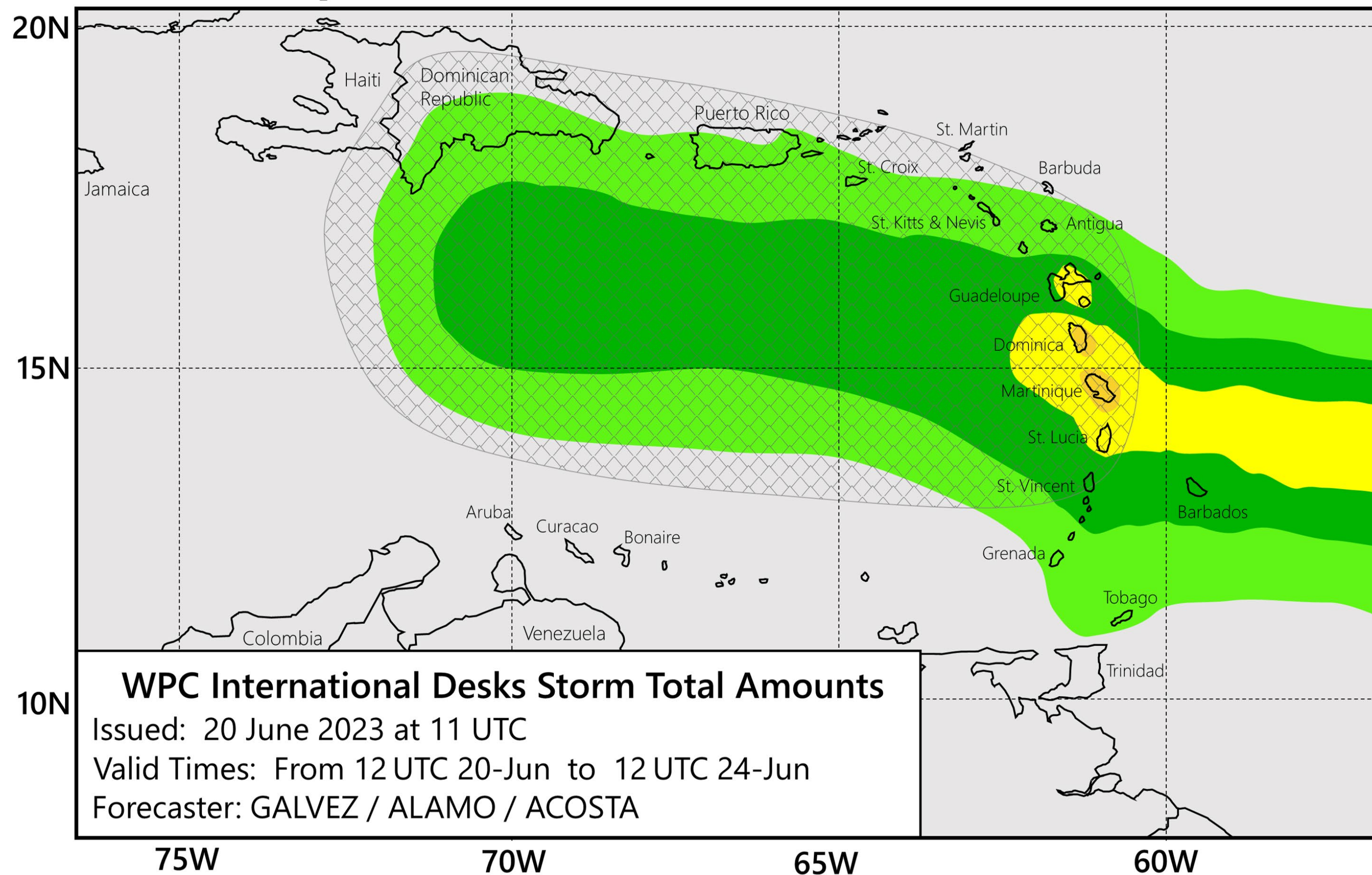


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Tropical Storm Bret

Images from NWS Weather Prediction Center

Tropical Storm Bret Total Rainfall



Rainfall	
inches	mm
30+	750+
20-30	500-750
16-20	400-500
12-16	300-400
8-12	200-300
6-8	150-200
4-6	100-150
2-4	50-100
1-2	25-50

 Low Confidence

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


WPC International Desks Storm Total Amounts
 Issued: 20 June 2023 at 11 UTC
 Valid Times: From 12 UTC 20-Jun to 12 UTC 24-Jun
 Forecaster: GALVEZ / ALAMO / ACOSTA

Key Messages

Tropical Storm Bret




Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Key Messages for Tropical Storm Bret

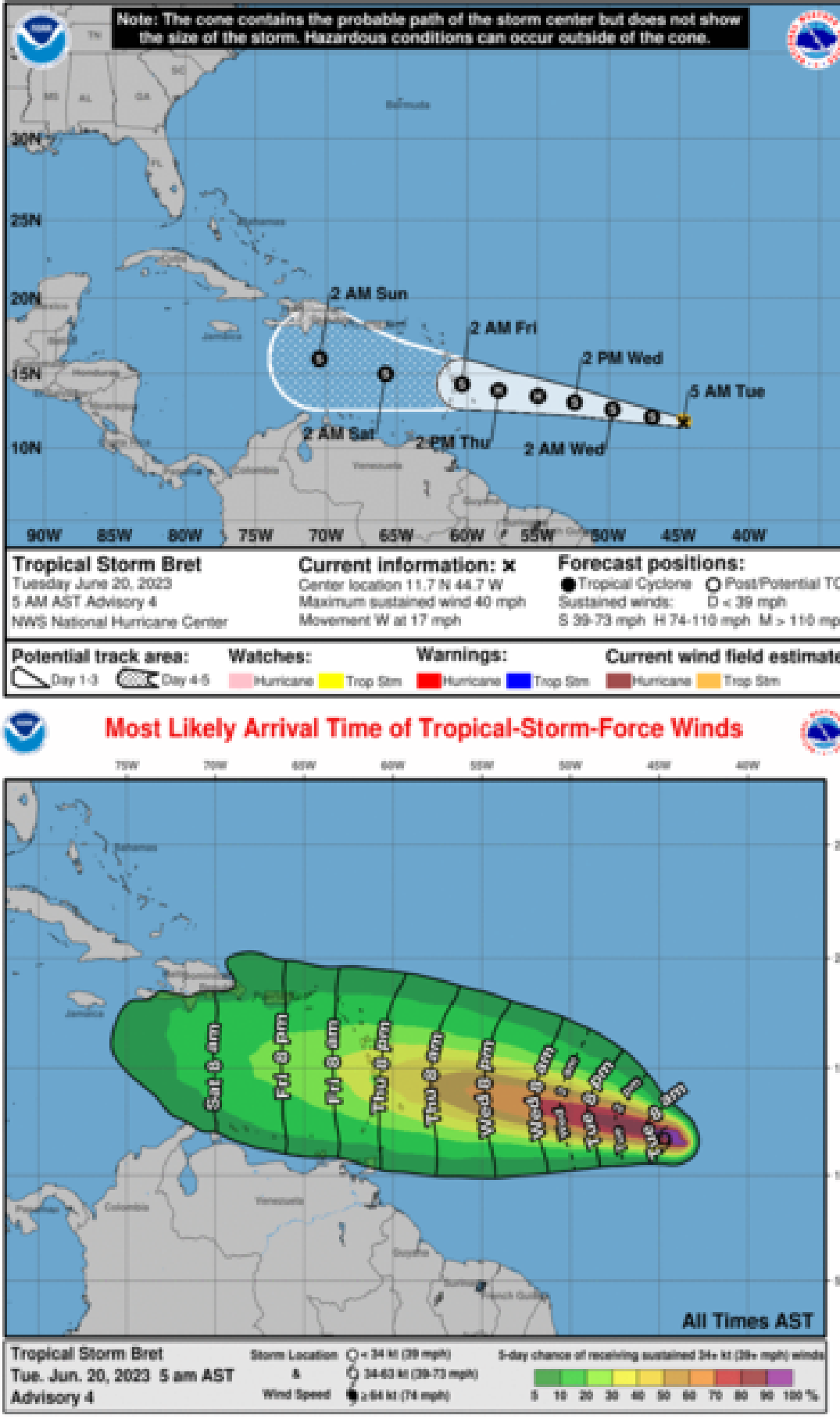
Advisory 4: 5:00 AM AST Tue Jun 20, 2023



1. Bret is forecast to initially strengthen and then move across the Lesser Antilles near hurricane intensity on Thursday and Friday, bringing a risk of flooding from heavy rainfall, strong winds, and dangerous storm surge and waves.

2. Given the larger than usual uncertainty in the track forecast, it is too early to specify the location and magnitude of where these hazards could occur. However, everyone in the Lesser Antilles, Puerto Rico, and the Virgin Islands should closely monitor updates to the forecast for Bret and have their hurricane plan in place.

For more information go to hurricanes.gov



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.

Tropical Storm Bret
Tuesday June 20, 2023
5 AM AST Advisory 4
NWS National Hurricane Center

Current information: x
Center location 11.7 N 44.7 W
Maximum sustained wind 40 mph
Movement W at 17 mph

Forecast positions:
● Tropical Cyclone ○ Post-Potential TC
Sustained winds: □ < 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 Stm
Warnings: Hurricane Trop Stm
Current wind field estimate:

Most Likely Arrival Time of Tropical-Storm-Force Winds

Tropical Storm Bret
Tue. Jun. 20, 2023 5 am AST
Advisory 4

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

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

- Marine Key Messages:
 - Waves of 20 ft within 100 nm of the center of Bret developing by tonight
 - These winds approaching the Lesser Antilles Thursday into Friday



TROPICAL STORM BRET BRIEFING

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

*The Next Briefing Will Be:
Wednesday 7:45 AM EDT*

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



NHC_TAFB

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