

IMPACTS FOR D7 (through next 5 days)

Winds – Moderate

Storm Surge – Low

Rainfall/Flash Flooding – Moderate

Tornadoes – Low

Waves - Moderate

TROPICAL STORM BRET BRIEFING



8:15 AM EDT
Thursday, June 22, 2023

Prepared by:

Amanda Reinhart

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*





Winds – Moderate

Rainfall/Flash Flooding – Moderate

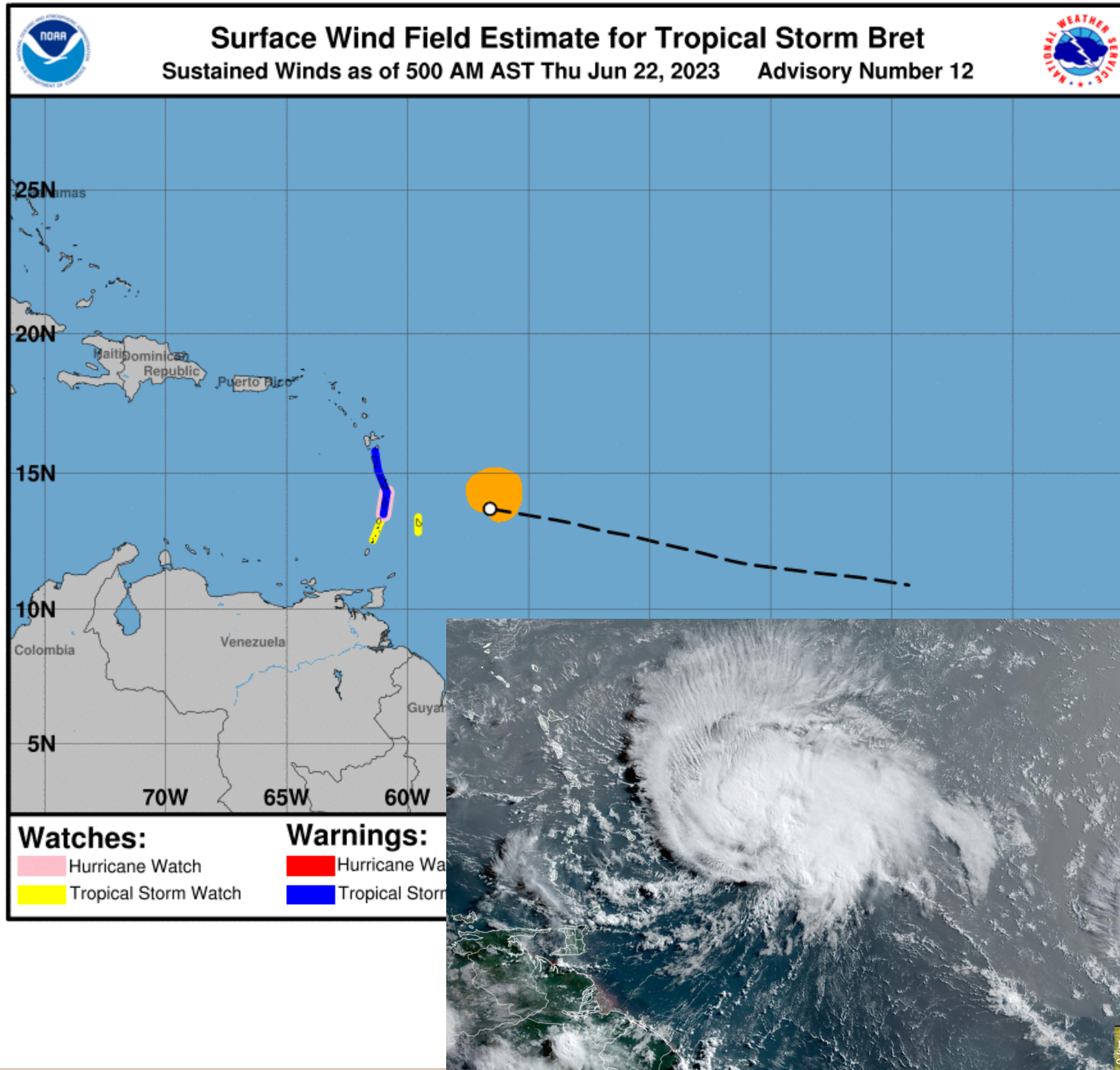
Waves - Moderate

Situation Overview

Tropical Storm Bret



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...BRET POISED TO BRING STRONG WINDS AND HEAVY RAINS TO PORTIONS OF THE LEEWARD ISLANDS LATER TODAY AND TONIGHT...

Summary of 500 AM AST Information

Location... 13.7N 56.6W
About 200 MI... 170 nm E OF BARBADOS
Maximum Sustained Winds... **60 kt**
Present Movement... W at 13 kt

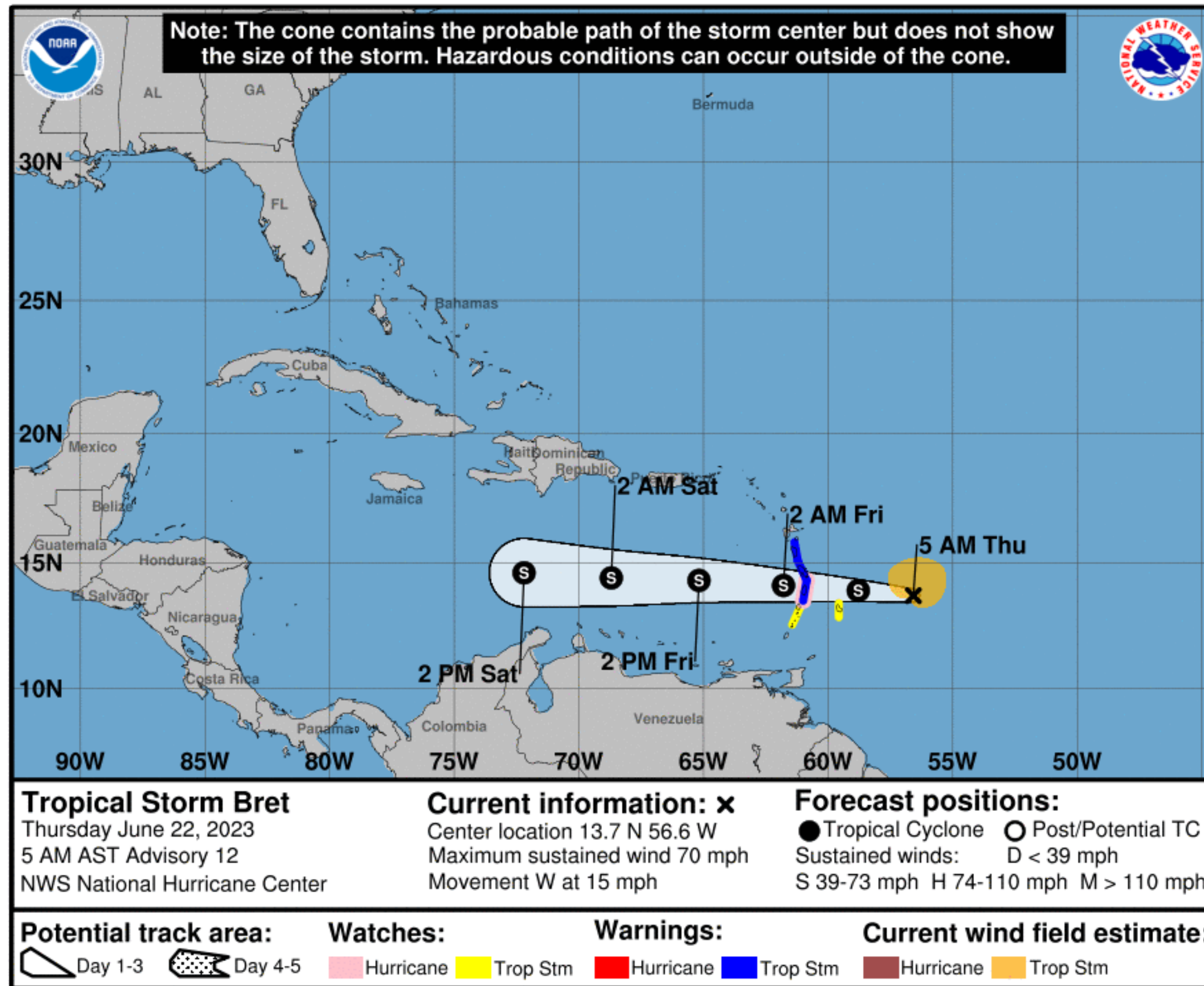
Waves: **25 ft**
50 KT..... 30NE 0SE 0SW 20NW.
34 KT..... 100NE 40SE 0SW 80NW.
12 FT SEAS.. 180NE 60SE 45SW 210NW.

Forecast Information

Tropical Storm Bret



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A Hurricane Watch is in effect for...
*St. Lucia

A Tropical Storm Warning is in effect for...
* Dominica
* St. Lucia
* Martinique

A Tropical Storm Watch is in effect for...
* Barbados
* St. Vincent and the Grenadines

- Bret is expected to continue moving westward over the next few days, entering the eastern Caribbean Sea by tonight
- Bret may fluctuate in intensity today but will begin weakening by tonight as it enters the Caribbean
- Bret will degenerate by Sun night/Mon morning in the central Caribbean

- Current center forecast positions through the next 5 days (if applicable) 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.

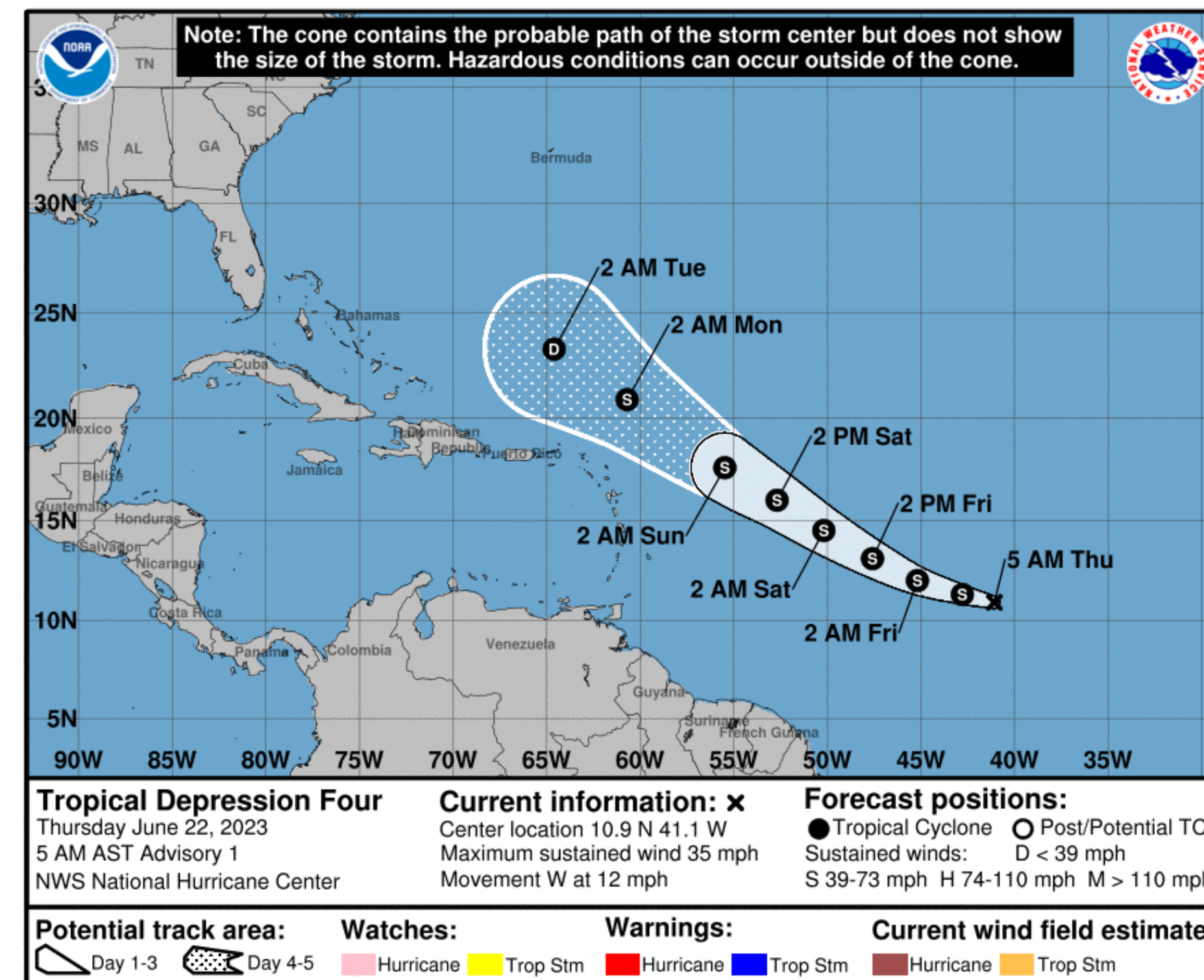
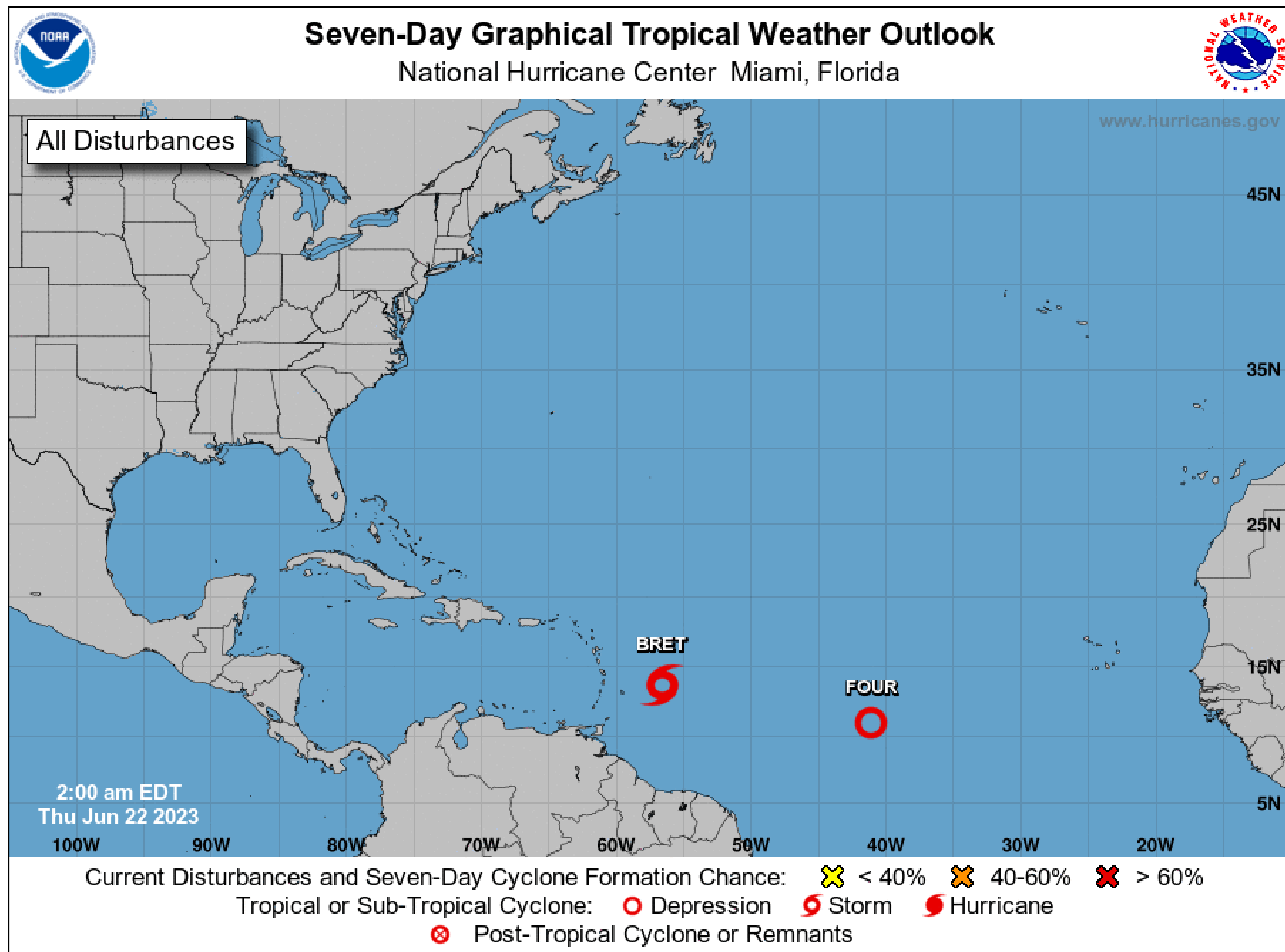
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Tropical Weather Outlook

Tropical Storm Bret



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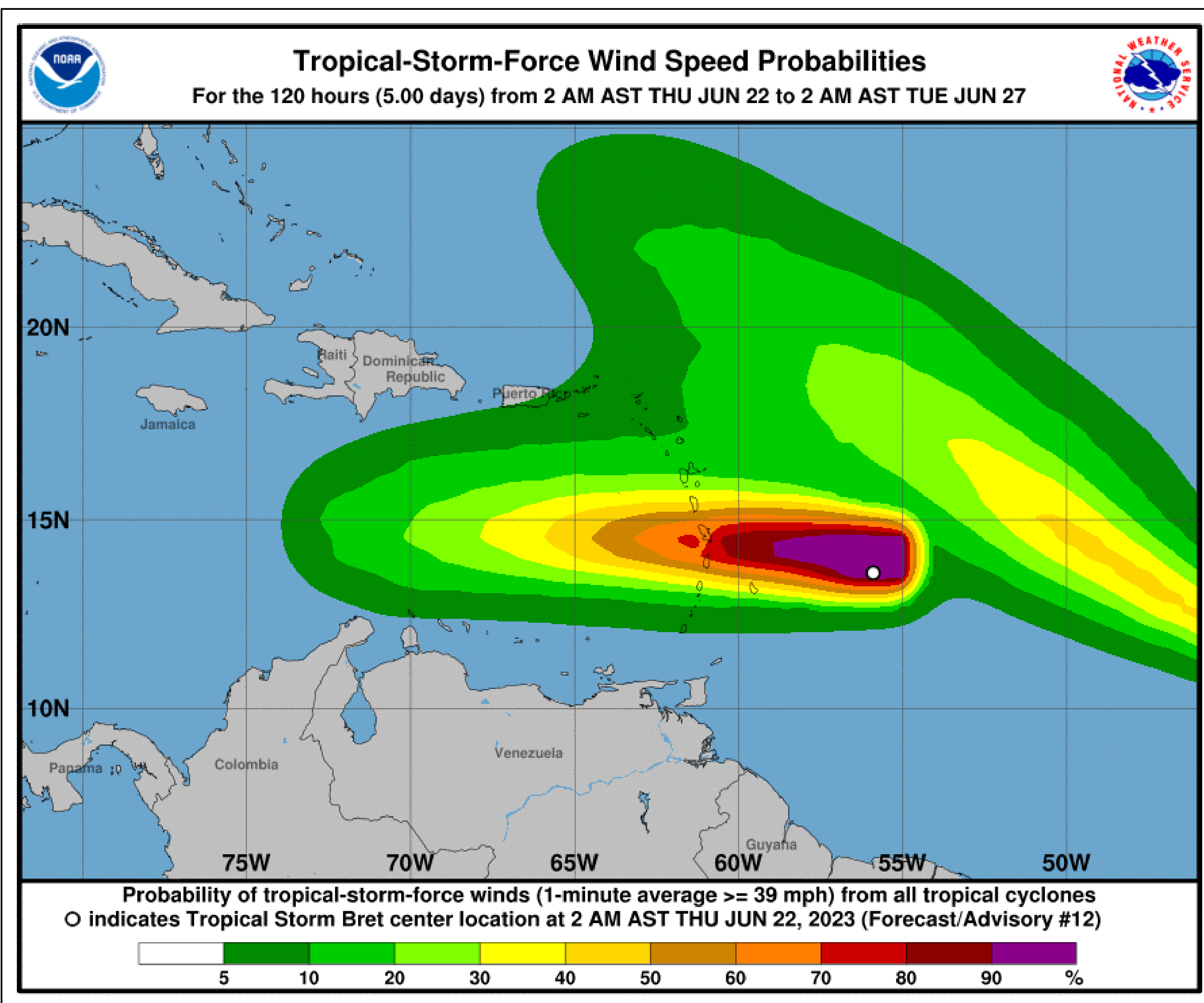


T.S. Wind Speed Probabilities

Tropical Storm Bret



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- Ponce, PR – 5%
- Vieques, PR – 5%
- St Croix – 5%
- St Maarten – 5%

- **Dominica – 50%**
- **St Lucia – 70%**

- Barbados – 20%
- St. Vincent – 15%

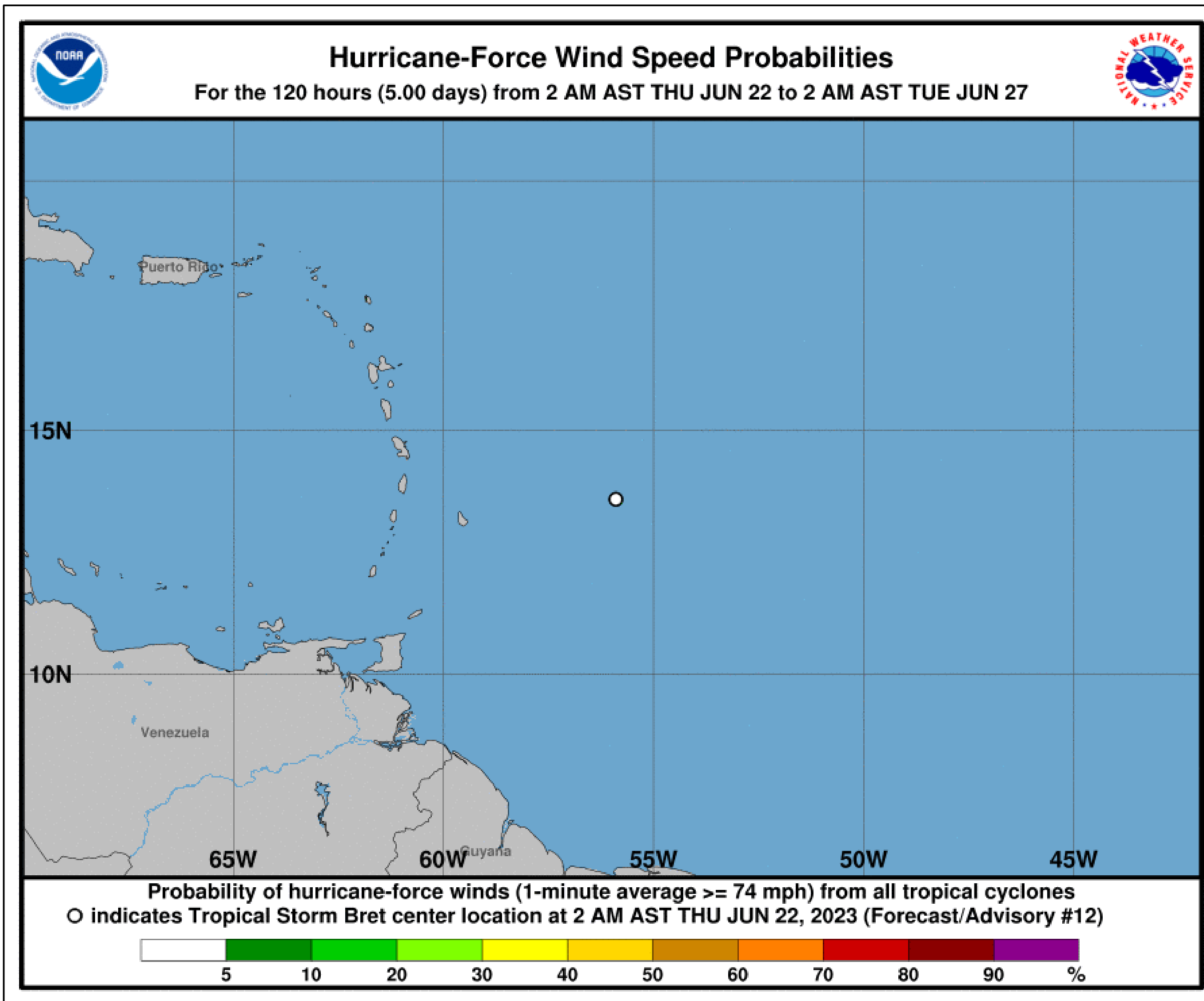
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Hurricane Wind Speed Probabilities



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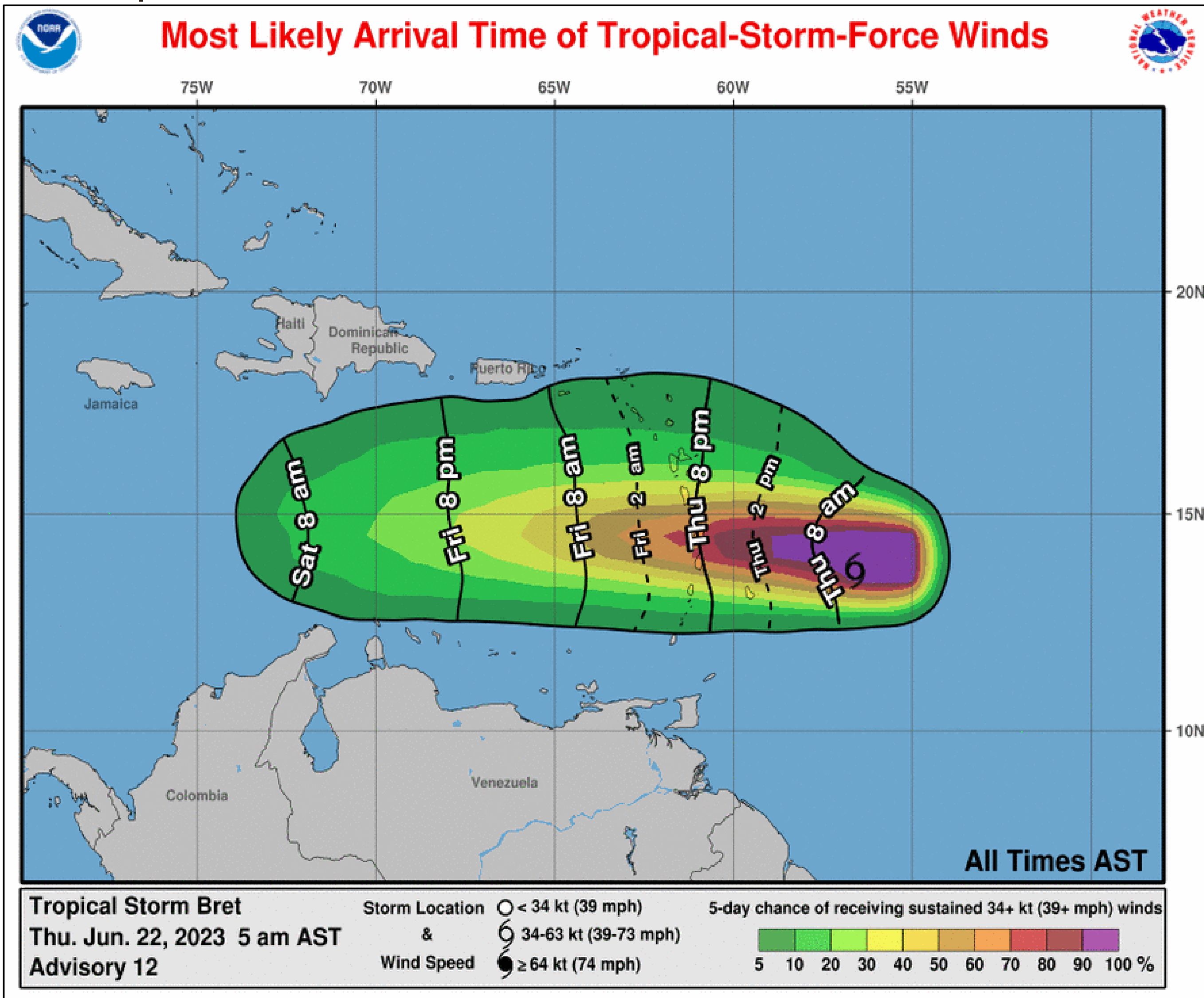
Tropical Storm Bret



- **Zero** probabilities of sustained hurricane force winds (64 kt+) over the next 5 days, based off this cyclone's wind radii and track



Tropical Storm Bret



- Lesser Antilles – Tonight
- USVI – Fri morning
- PR – Mid-day Friday

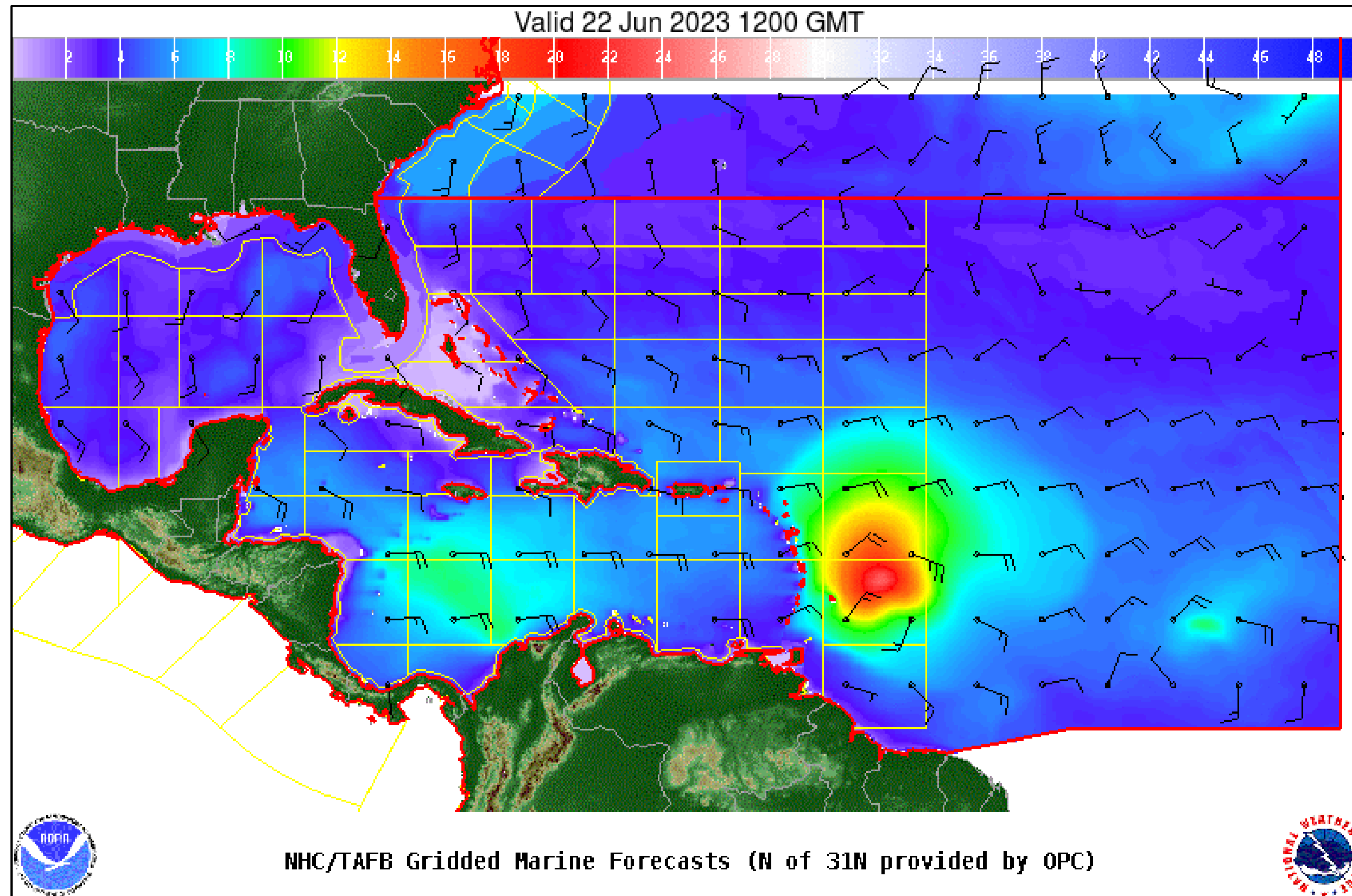
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Wind And Waves

Tropical Storm Bret



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Current Conditions

8 am Thu, June 22

Peak Winds: 60 kt

Peak Seas: 25 ft

- Wave heights are in feet



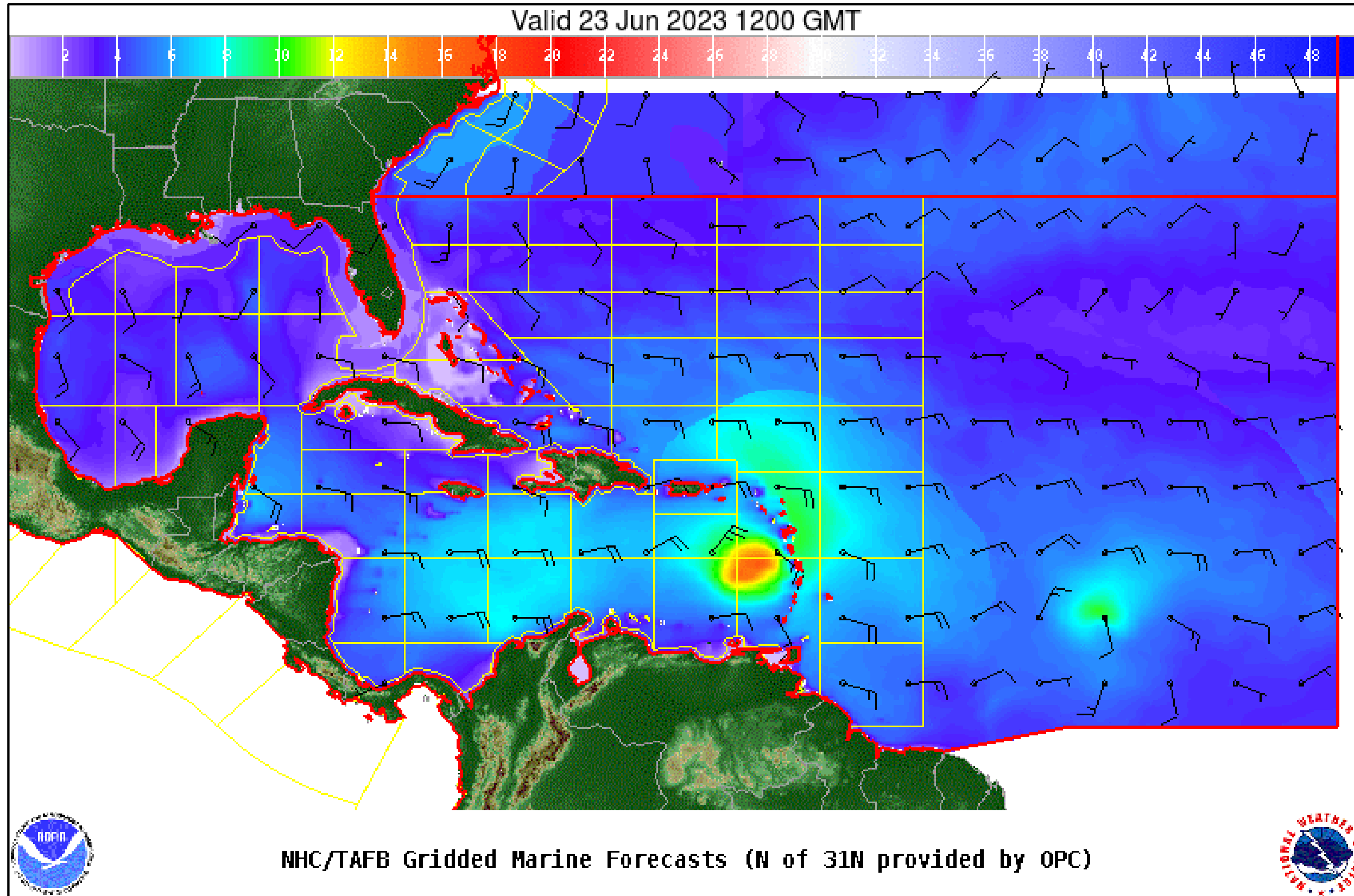
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Bret



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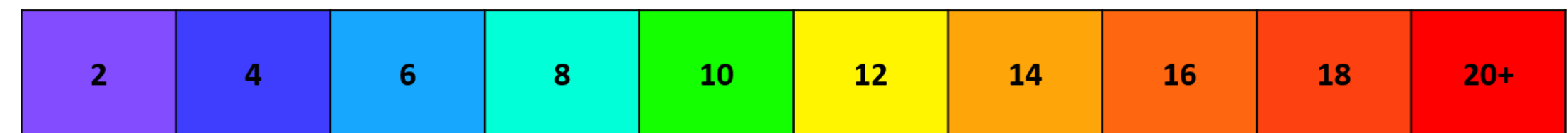
24 Hour Forecast

8am Fri, June 23

Peak Winds: 55 kt

Peak Seas: 18 ft

- Wave heights are in feet



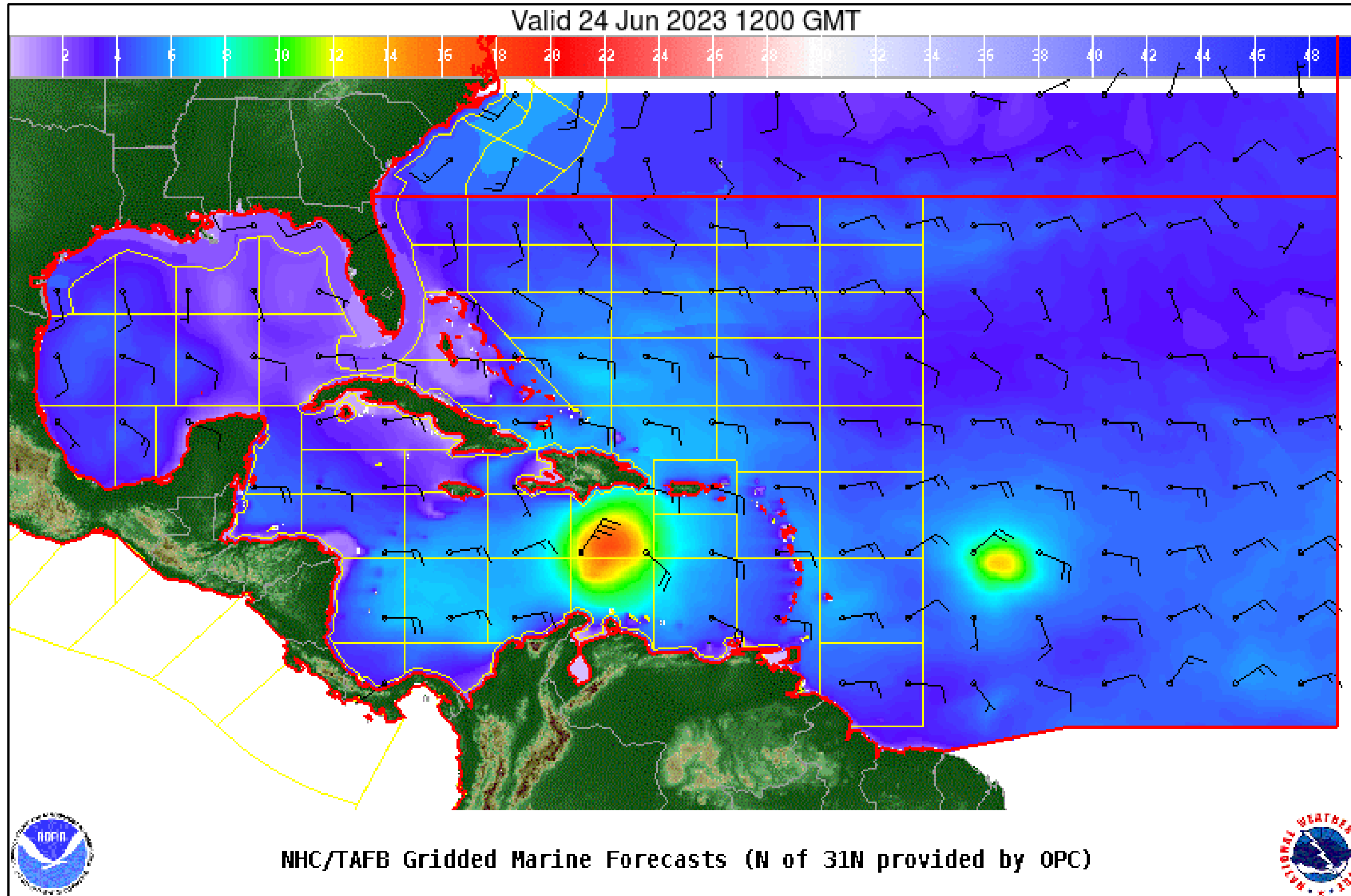
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Bret



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48 Hour Forecast

8am Sat, June 24

Peak Winds: 45 kt

Peak Seas: 18 ft

■ Wave heights are in feet



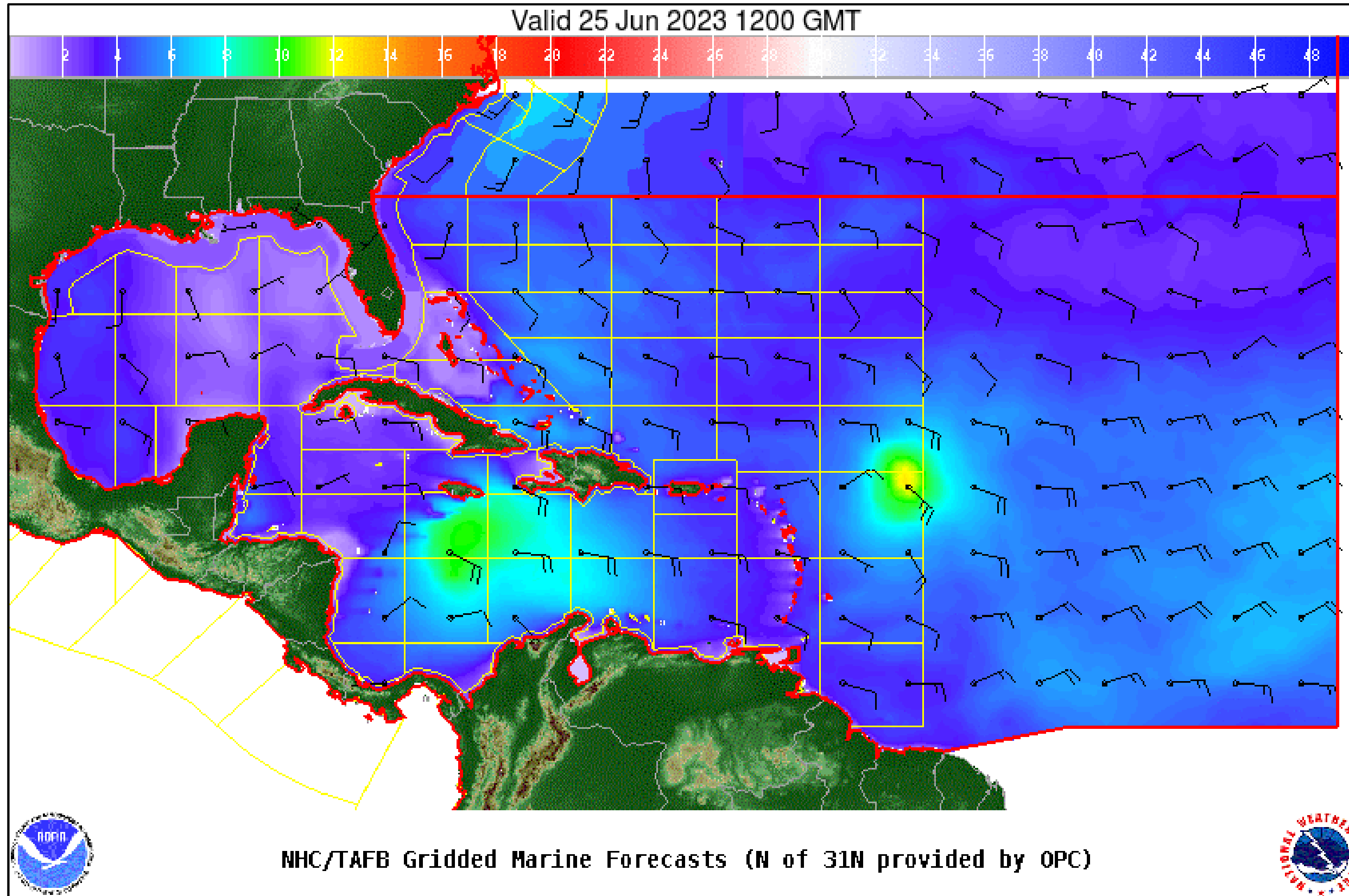
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Bret



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72 Hour Forecast

8am Sun, June

Peak Winds: 25 kt

Peak Seas: 10 ft

- Wave heights are in feet



Significant Wave Height (ft)

Expected Storm Total Rainfall and Chance of Rainfall Flooding

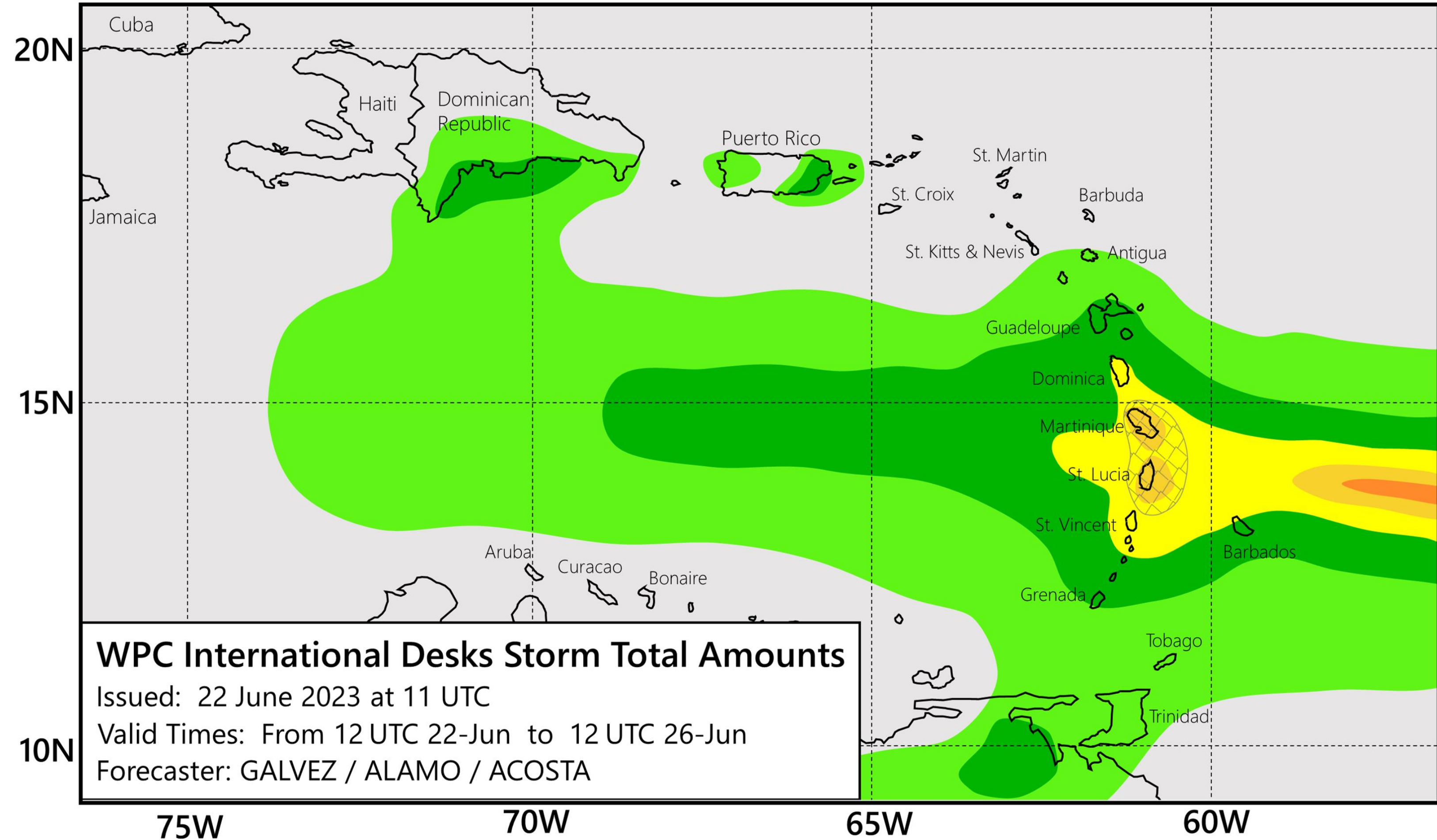


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Tropical Storm Bret

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 |

 Isolated Maxima up to 10in

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: 22 June 2023 at 11 UTC
 Valid Times: From 12 UTC 22-Jun to 12 UTC 26-Jun
 Forecaster: GALVEZ / ALAMO / ACOSTA

Key Messages

Tropical Storm Bret



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NWS National Hurricane Center



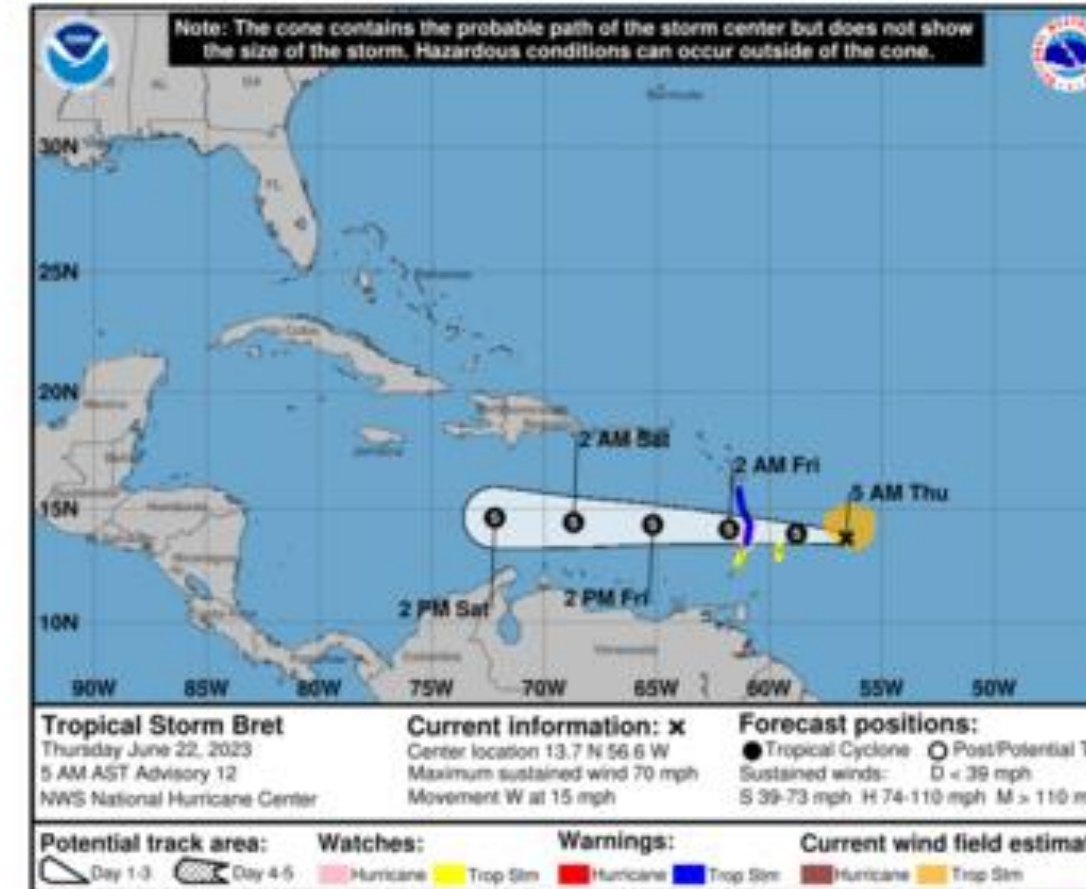
Key Messages for Tropical Storm Bret

Advisory 12: 5:00 AM AST Thu Jun 22, 2023



1. Bret is forecast to approach the Lesser Antilles today and then move across those islands this evening and tonight as a strong tropical storm.

2. A Hurricane Watch and a Tropical Storm Warning are in effect for St. Lucia, and a Tropical Storm Warning is in effect for Martinique and Dominica. There is a risk of flooding from heavy rainfall, strong winds, and dangerous waves along the coast within the warning area. A Tropical Storm Watch remains in effect for Barbados and St. Vincent and the Grenadines. Additional watches or warnings are possible for some islands in the Lesser Antilles later today.



For more information go to hurricanes.gov

- **Marine Key Messages:**
- Strong Tropical Storm to affect Lesser Antilles today and tonight
- Peak winds and seas expected through today
- – 60 KT
- – 22 FT

IMPACTS FOR D7 (through next 5 days)

Winds – Moderate

Storm Surge – Low

Rainfall/Flash Flooding – Moderate

Tornadoes – Low

Waves - Moderate



TROPICAL STORM BRET BRIEFING

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

*The Next Briefing Will Be:
Friday, 8:15 AM EDT*

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

