

IMPACTS FOR D7 (through next 5 days)

Winds – Moderate

Storm Surge – Low

Rainfall/Flash Flooding – Low

Tornadoes – Low

Waves – Moderate

TROPICAL STORM BRET BRIEFING

8:15 AM EDT

Friday, June 23, 2023

Prepared by:

Amanda Reinhart

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



Impacts

Tropical Storm Bret



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

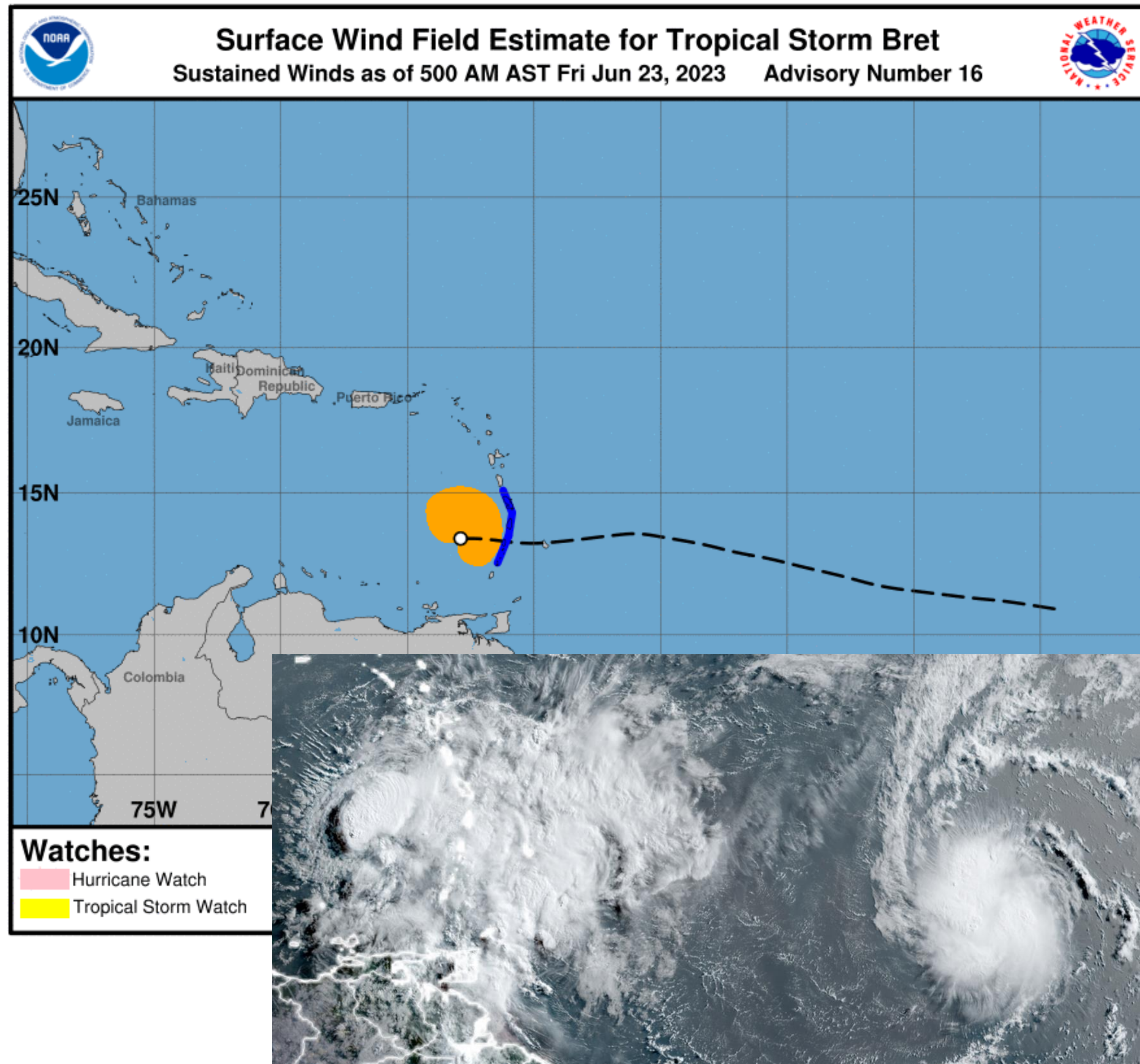
Winds – Moderate
Waves – Moderate

Situation Overview

Tropical Storm Bret



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**...BRET'S TRAILING RAINBANDS
CONTINUE TO PRODUCE GUSTY WINDS
AND HEAVY RAINS OVER PORTIONS OF
THE WINDWARD ISLANDS...**

Summary of 500 AM AST Information

Location... 13.4N 62.9W
About 115 MI... 100 NM W of St. Vincent
About 420 MI... 365 NM E of Curacao
Maximum Sustained Winds... **50 kt**
Present Movement... W at 16 kt

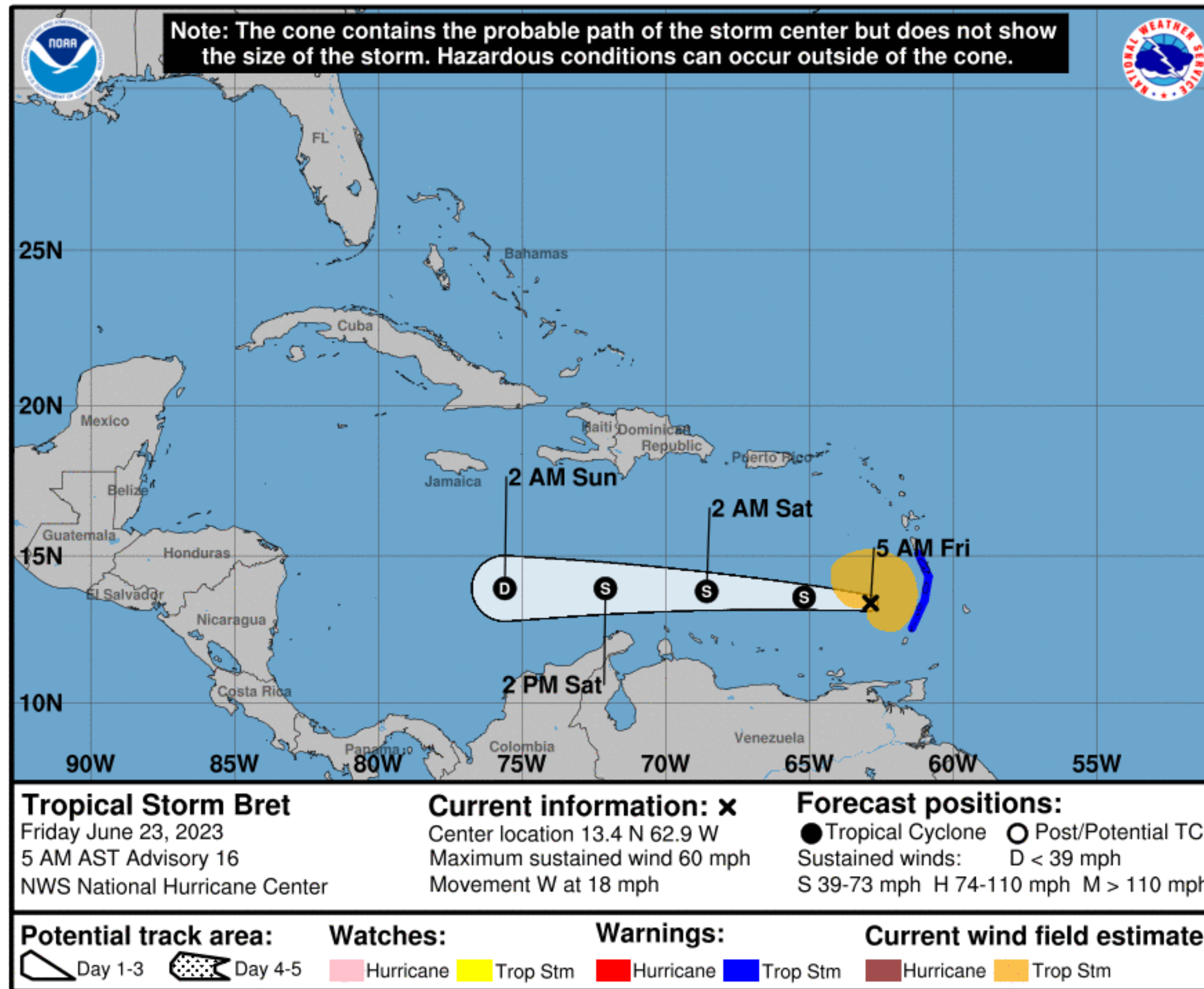
Peak Seas... **17 ft**
50 KT..... 60NE 0SE 0SW 40NW.
34 KT..... 110NE 80SE 0SW 110NW.
12 FT SEAS... 105NE 30SE 30SW 105NW.

Forecast Information

Tropical Storm Bret



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A Tropical Storm Warning is in effect for...

- * Dominica
- * St. Lucia
- * Martinique
- * St. Vincent and the Grenadines

- Bret will continue moving westward across the eastern and central Caribbean through the weekend
- Bret will gradually weaken during the next few days
- Bret is forecasted to dissipate by Sunday, but could potentially happen earlier than that

- 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.

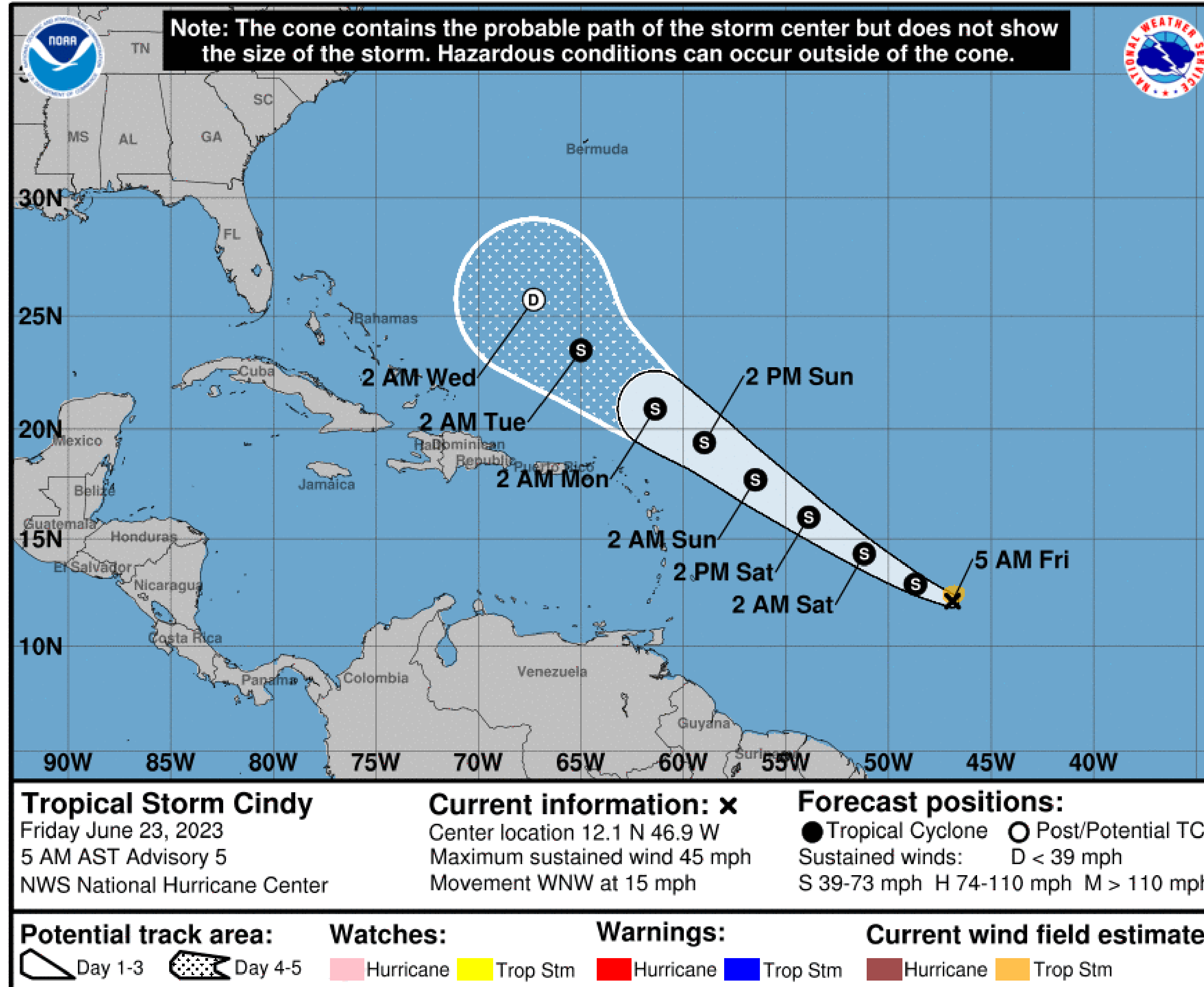
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Update on Tropical Storm Cindy

Tropical Storm Bret



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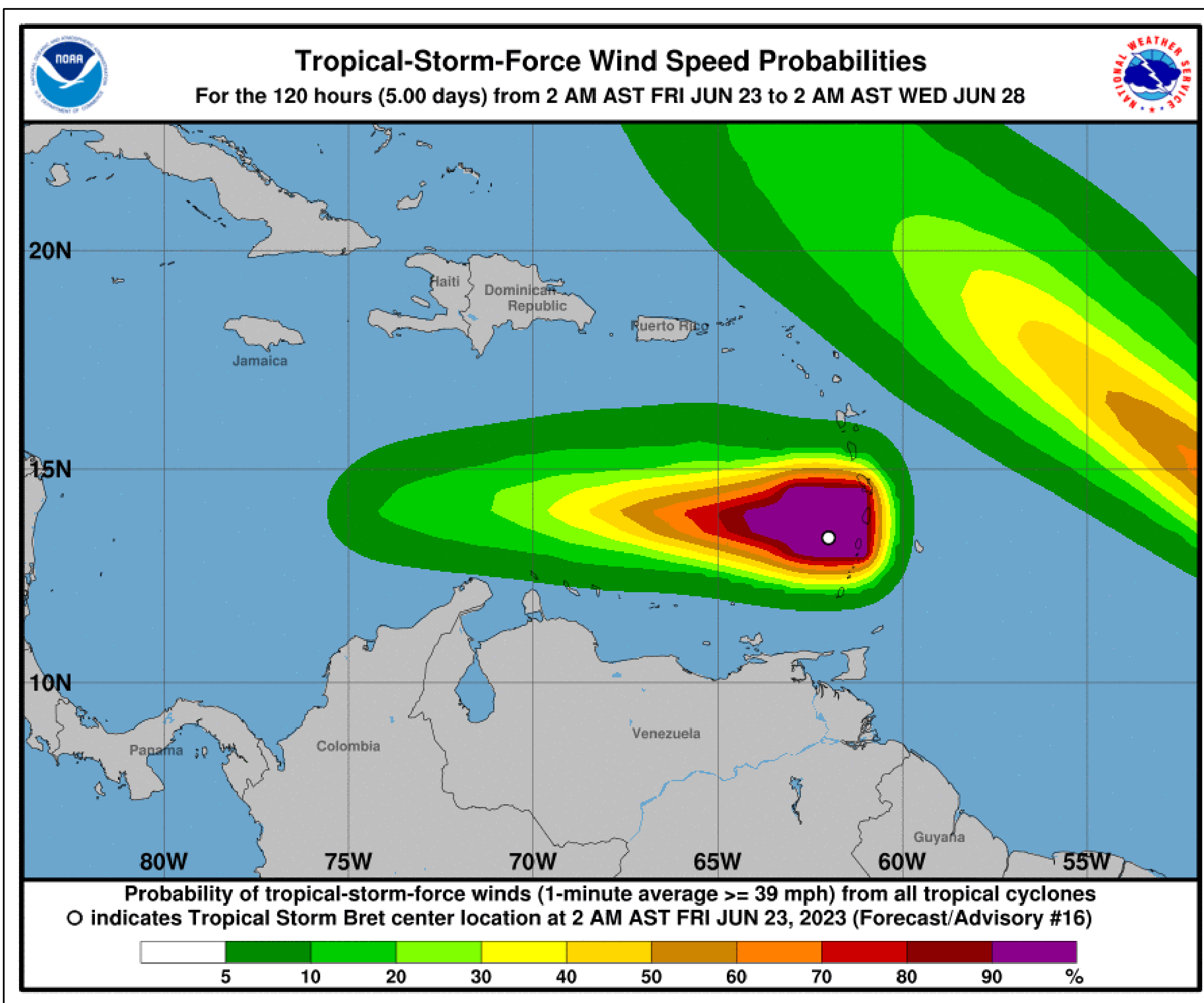
- Cindy expected to remain well northeast of the northern Leeward Islands

T.S. Wind Speed Probabilities

Tropical Storm Bret



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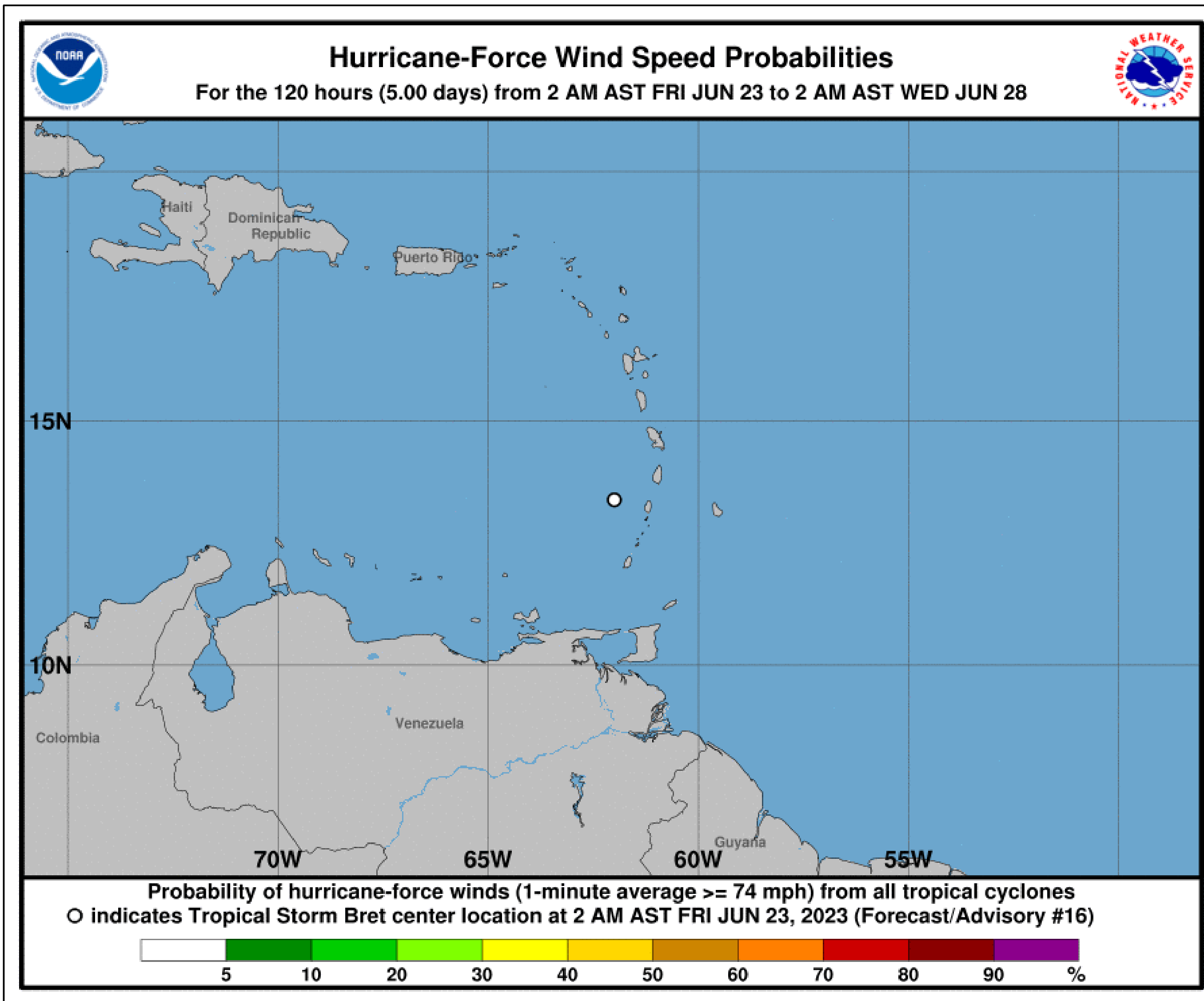
- **Dominica – Less than 5%**
- **St Lucia – 100% (On-going)**
- **St. Vincent – 100% (On-going)**
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow 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



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

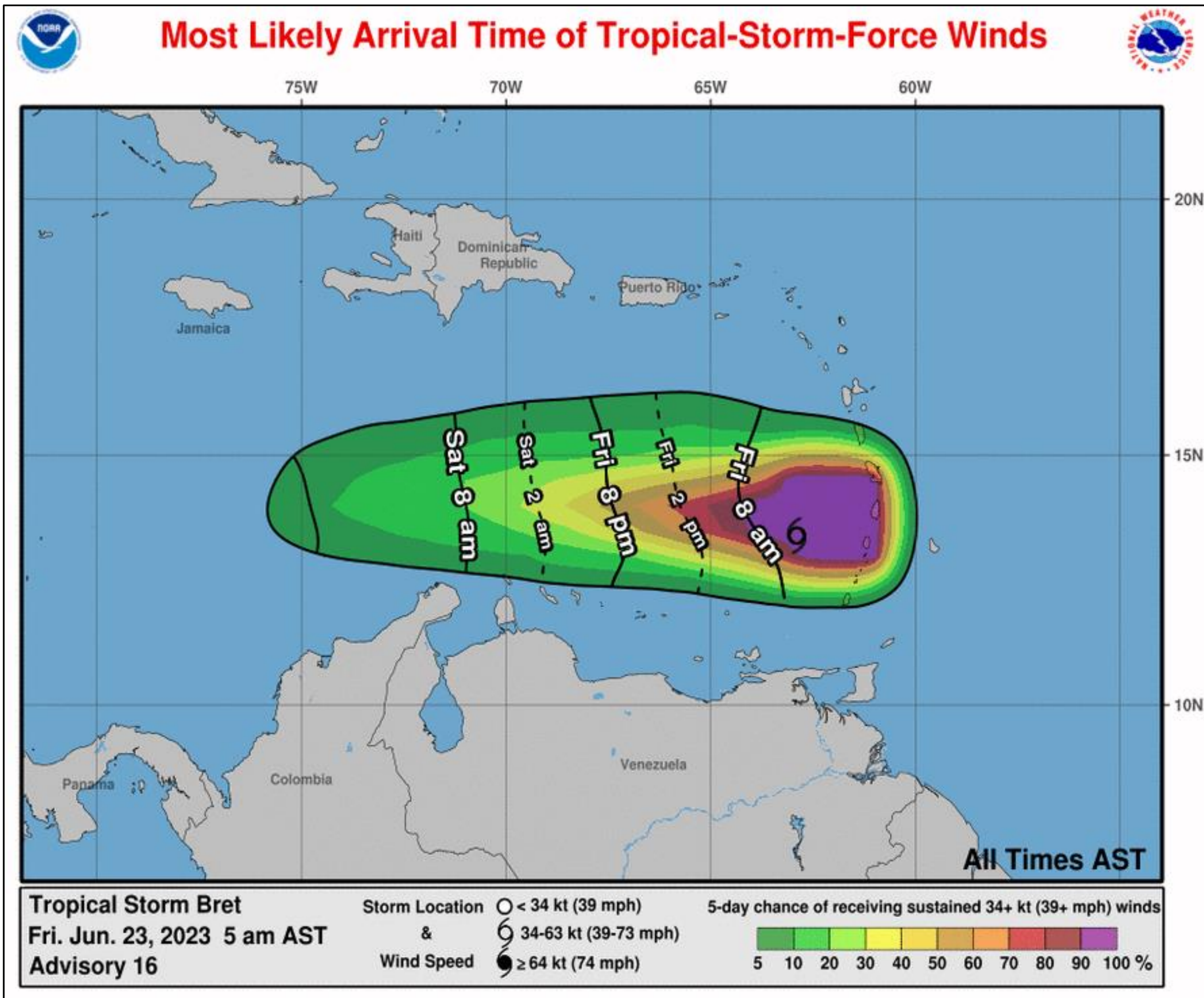
Tropical Storm Bret



- 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 – Ongoing

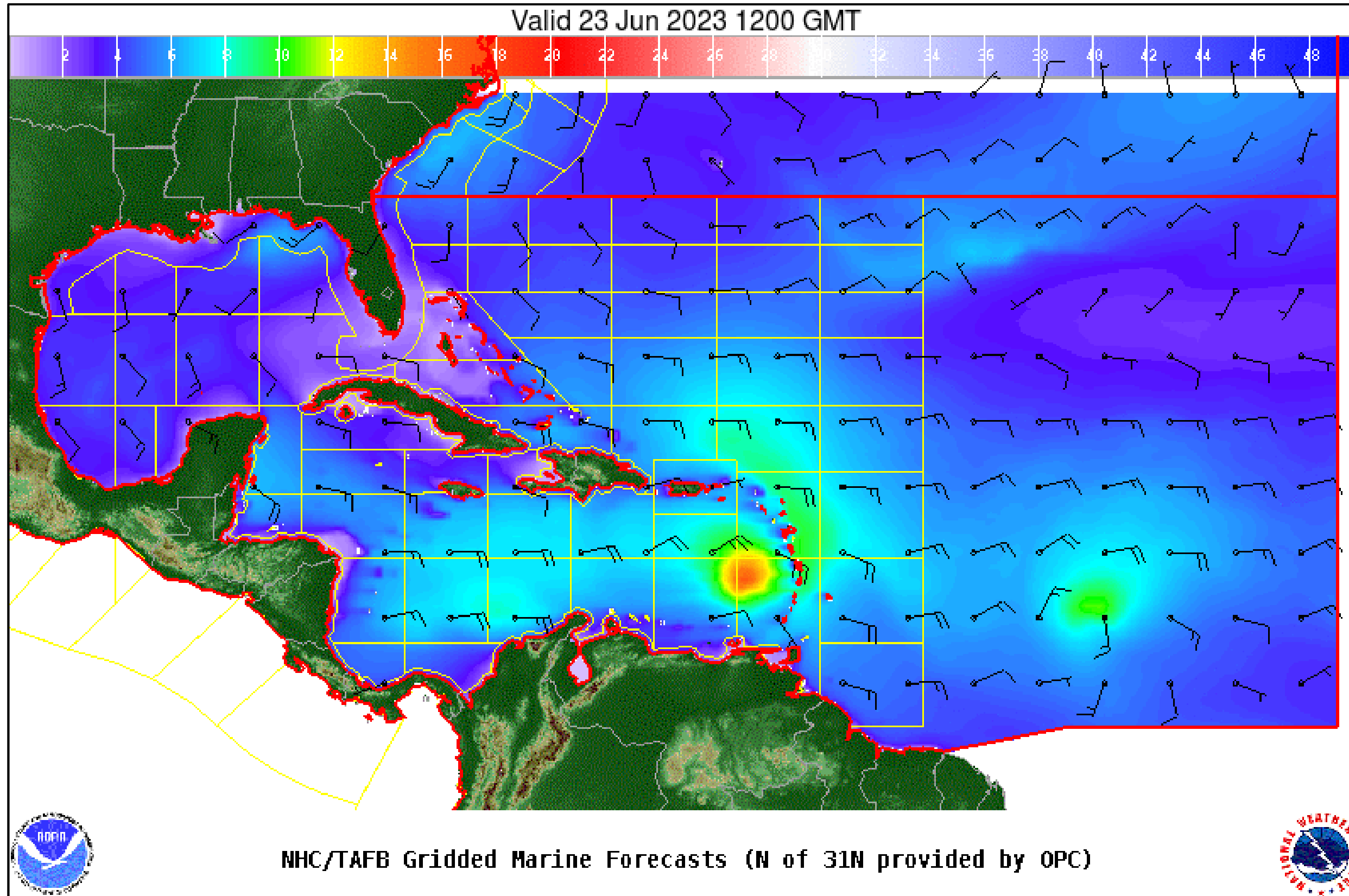
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color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

Wind And Waves

Tropical Storm Bret



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Current Conditions

8am Friday, June 23

Peak Winds: 50 kt

Peak Seas: 17 ft

- Wave heights are in feet



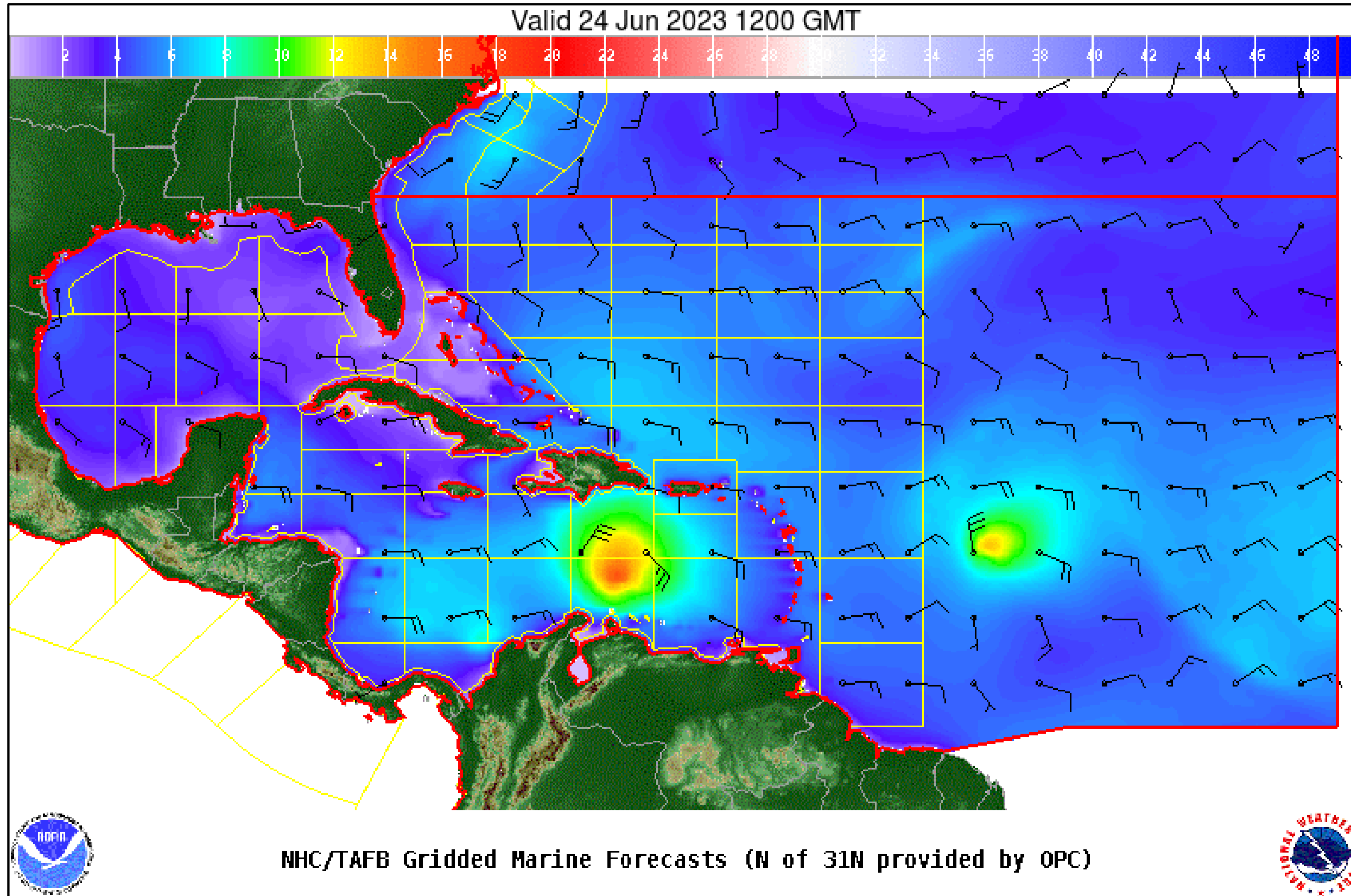
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Bret



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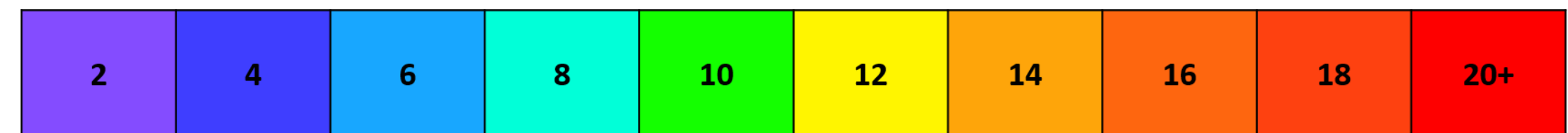
24 Hour Forecast

8am Saturday, June 24

Peak Winds: 40 kt

Peak Seas: 15 ft

- Wave heights are in feet



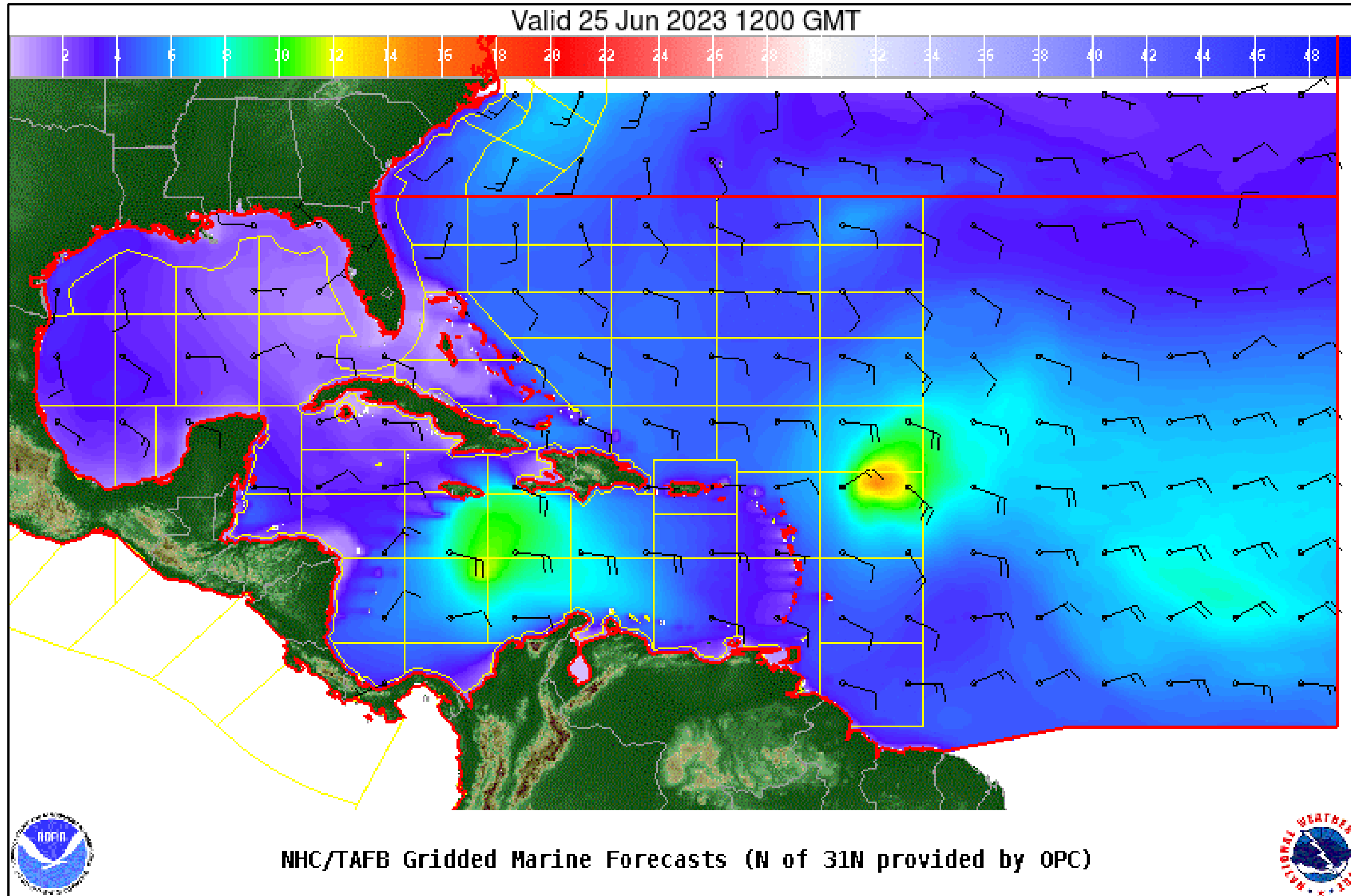
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Bret



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48 Hour Forecast
8am Sunday, June 25
Peak Winds: 20 kt
Peak Seas: 12 ft

- Wave heights are in feet



Significant Wave Height (ft)

Expected Storm Total Rainfall and Chance of Rainfall Flooding

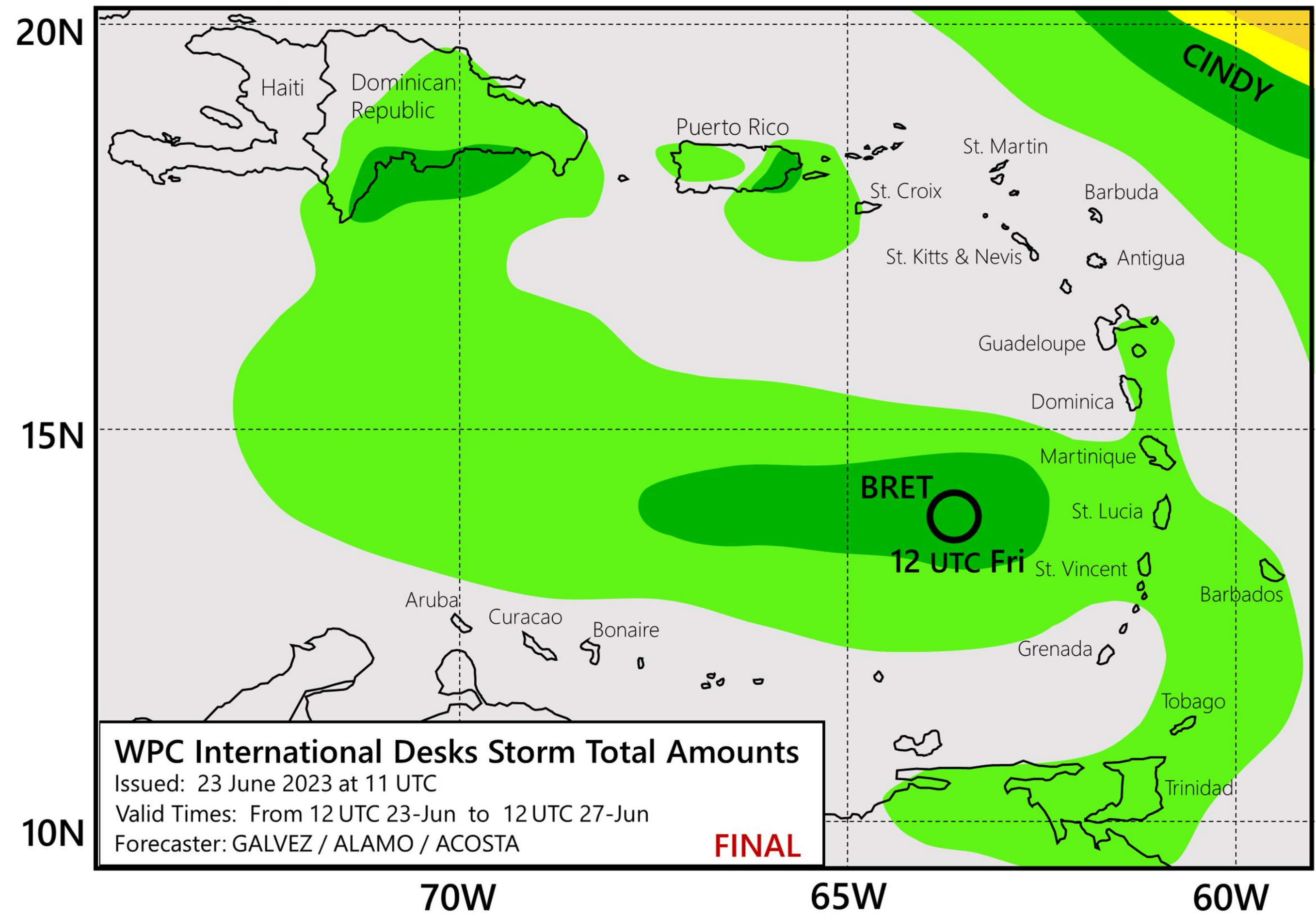


Tropical Analysis and Forecast Branch
NWS National Hurricane Center

Tropical Storm Bret

Images from NWS Weather Prediction Center

Tropical Storm Bret Total Rainfall



WPC International Desks Storm Total Amounts
 Issued: 23 June 2023 at 11 UTC
 Valid Times: From 12 UTC 23-Jun to 12 UTC 27-Jun
 Forecaster: GALVEZ / ALAMO / ACOSTA
FINAL



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

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

Rainfall Totals

St. Vincent:

- Jennings: 5.98 inches
- South Rivers: 2.70 inches
- Perseverance: 2.56


3-6 inches total

Key Messages

Tropical Storm Bret




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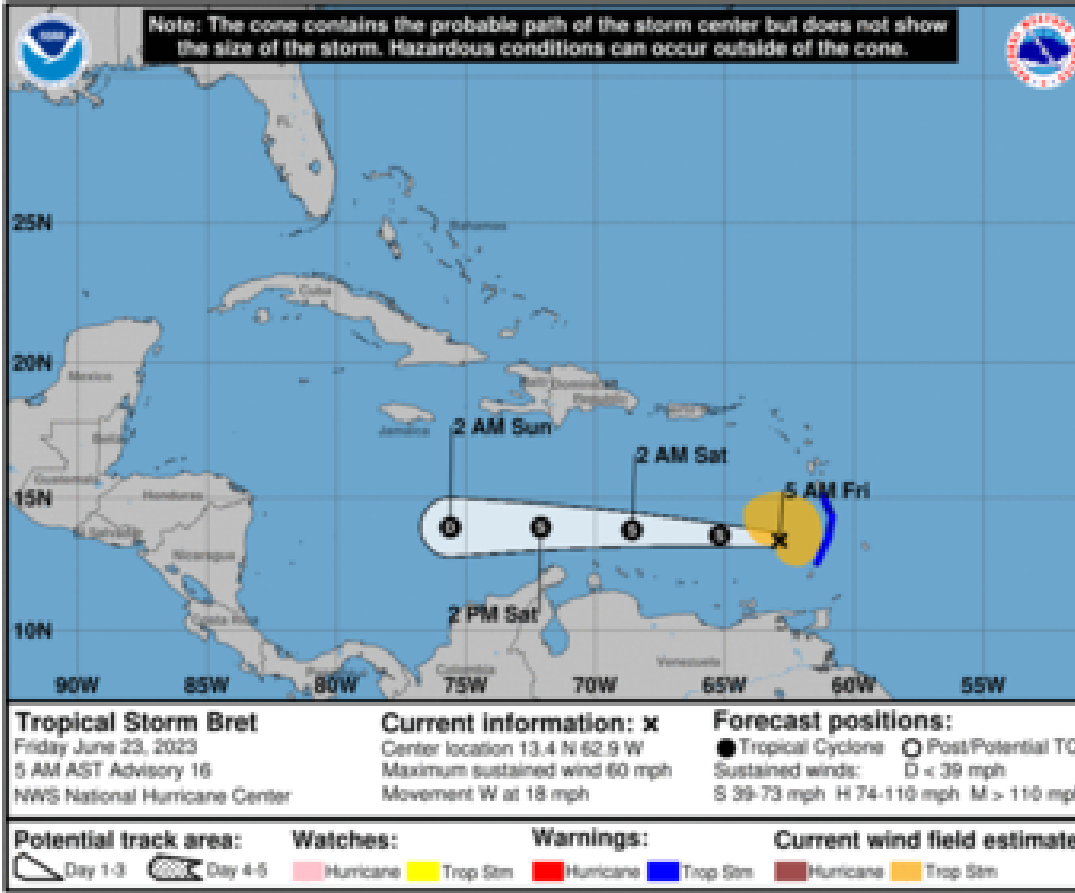
Key Messages for Tropical Storm Bret

Advisory 16: 5:00 AM AST Fri Jun 23, 2023



1. Bret is moving westward over the southeastern Caribbean Sea, but trailing rainbands with embedded gusty winds continue to affect portions of the Windward Islands. These conditions should gradually subside through the day.

2. A Tropical Storm Warning remains in effect for St. Vincent and the Grenadines, St. Lucia, and Martinique.



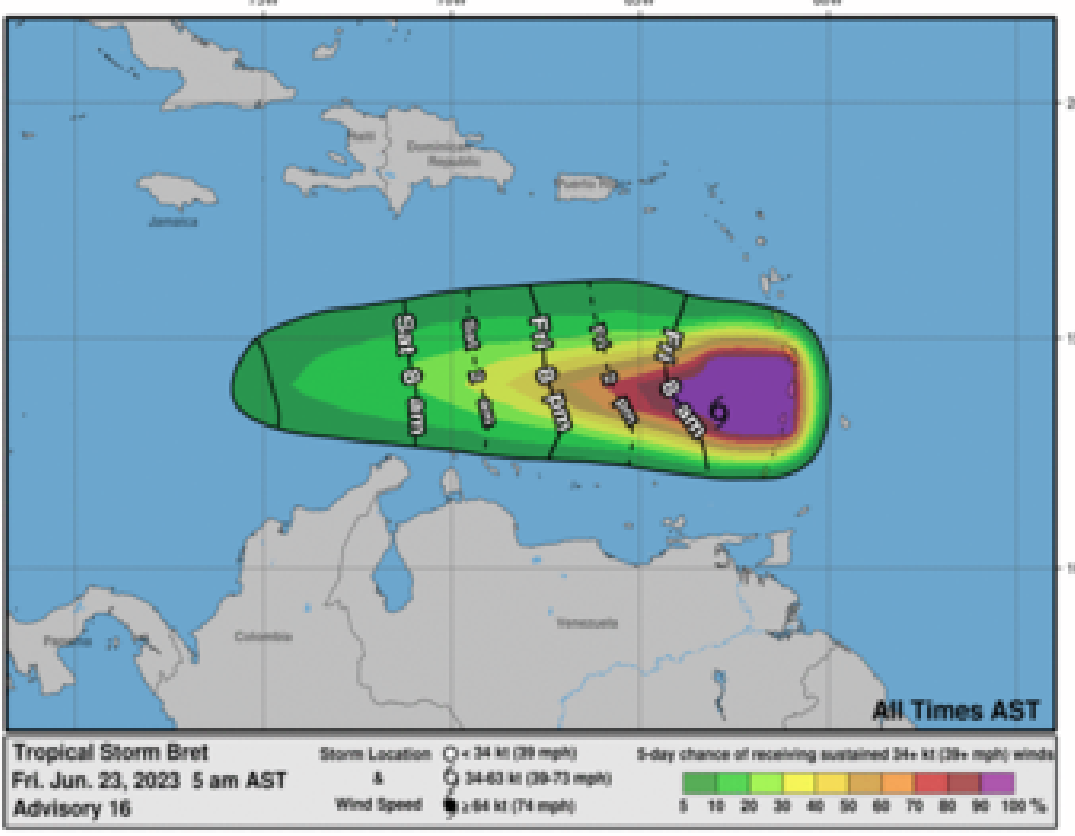
Tropical Storm Bret
Friday June 23, 2023
5 AM AST Advisory 16
NWS National Hurricane Center

Current information: x
Center location 13.4 N 62.9 W
Maximum sustained wind 60 mph
Movement W at 18 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 Stm
Warnings: Hurricane Trop Stm
Current wind field estimate:

Most Likely Arrival Time of Tropical-Storm-Force Winds



Tropical Storm Bret
Fri. Jun. 23, 2023 5 am AST
Advisory 16

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

9-day chance of receiving sustained 24+ kt (28+ mph) winds
5 10 20 30 40 50 60 70 80 90 100 %

Wind Speed

All Times AST

For more information go to hurricanes.gov

- **Marine Key Messages:**
- Gusty winds and heavy rain will gradually subside across the Lesser Antilles today
- Seas will drop below 12 ft in the central Caribbean by Sat night/Sun morning as Bret dissipates
- 50 kt
- 17 ft

IMPACTS FOR D7 (through next 5 days)

Winds – Moderate

Storm Surge – Low

Rainfall/Flash Flooding – Low

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:
Saturday, 8:15 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