



TROPICAL DEPRESSION THIRTEEN BRIEFING

10:00 AM EST

Thursday, August 20, 2020

Prepared by: Scott Stripling
Tropical Analysis and Forecast Branch
NWS National Hurricane Center



NHC_TAFB

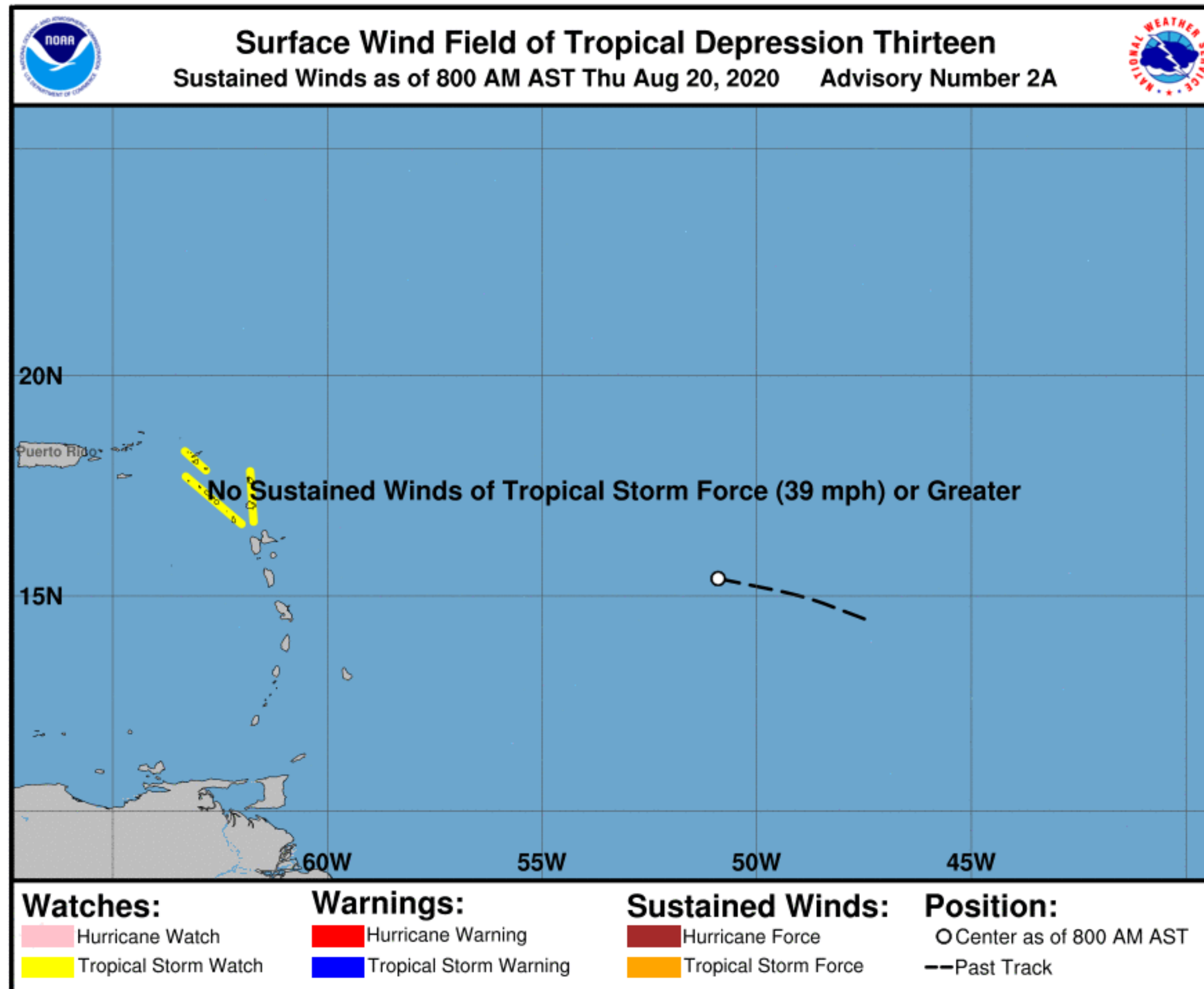
www.nhc.noaa.gov

Situation Overview

Tropical Depression Thirteen



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NWS National Hurricane Center



...Tropical Storm Watches in effect for Northern Leeward Islands...

Summary of 800 AM EDT...1200 UTC

Location... 15.4N 50.9W

Maximum Sustained Winds...30 kt

Gusts 40 kt

Present Movement...W-NW or 295 degrees at 18 kt

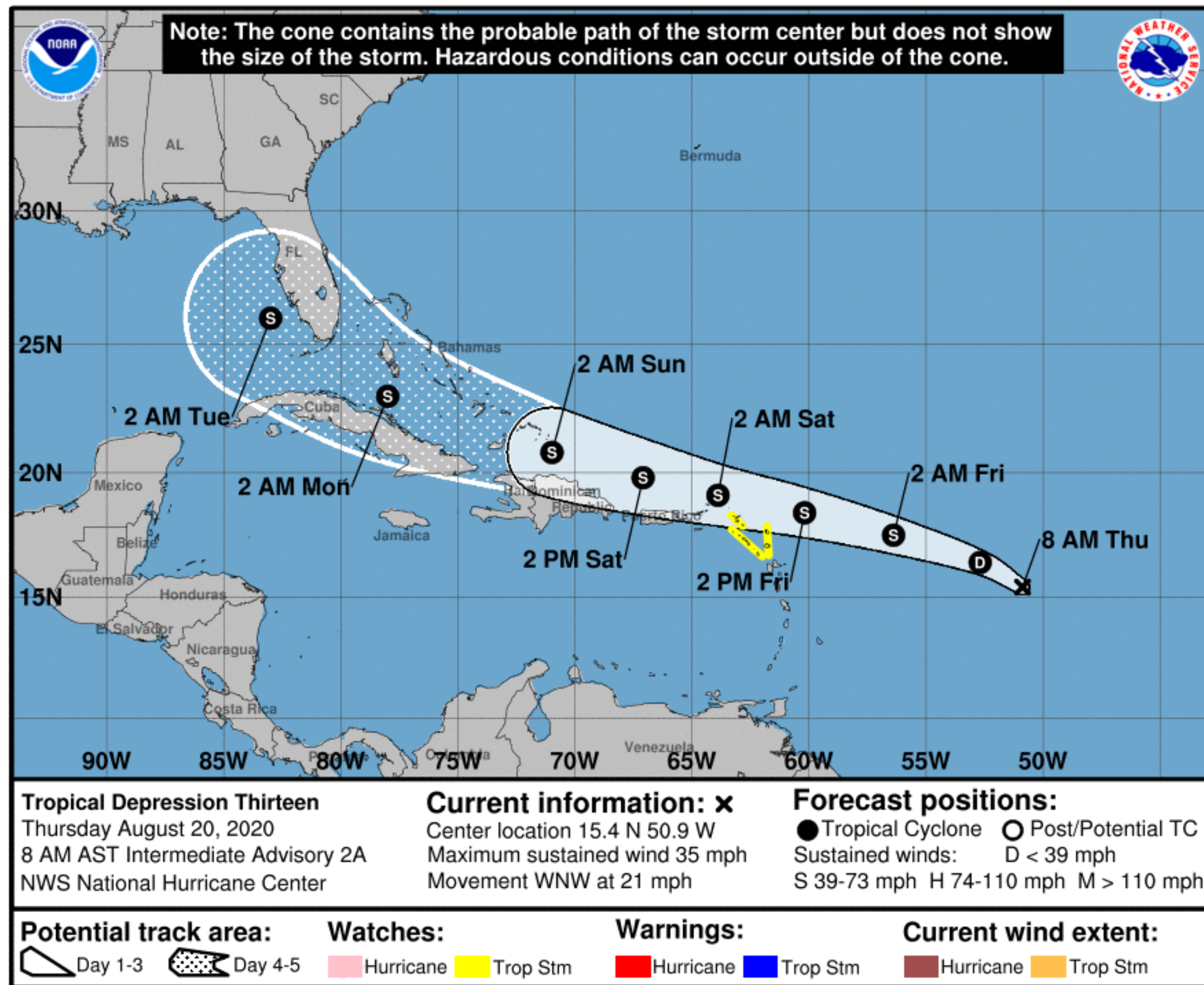
Minimum Central Pressure...1008 mb

Forecast Information

Tropical Depression Thirteen



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

- Current center forecast positions through the next 5 days (if applicable) illustrated by dots
- White swath of potential track is average track error added to each side of the forecast track through day 3
- Hatched swath of potential track is average track error added to each side of the forecast track days 4-5

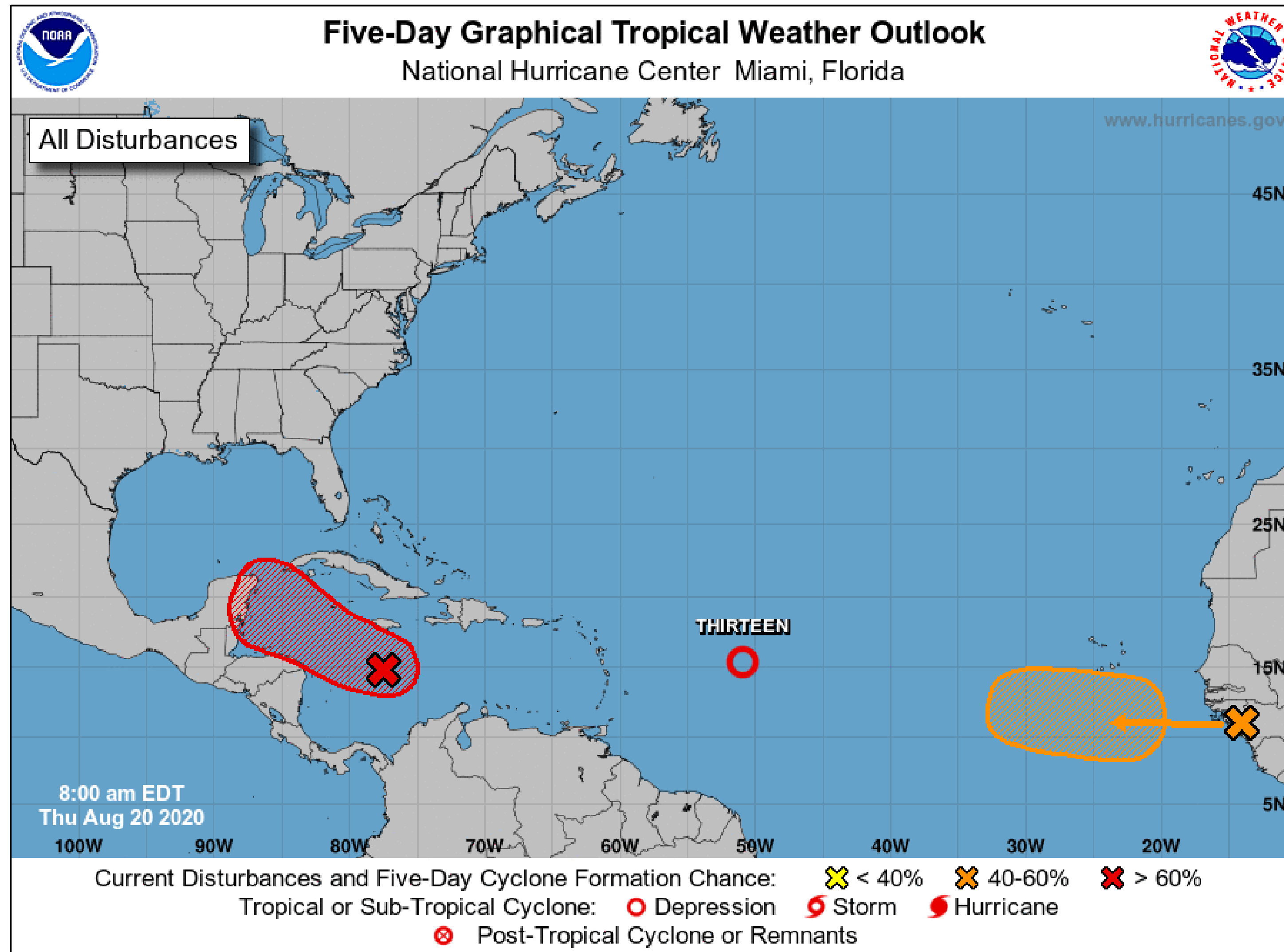
**** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.**

Tropical Weather Outlook

Tropical Depression Thirteen



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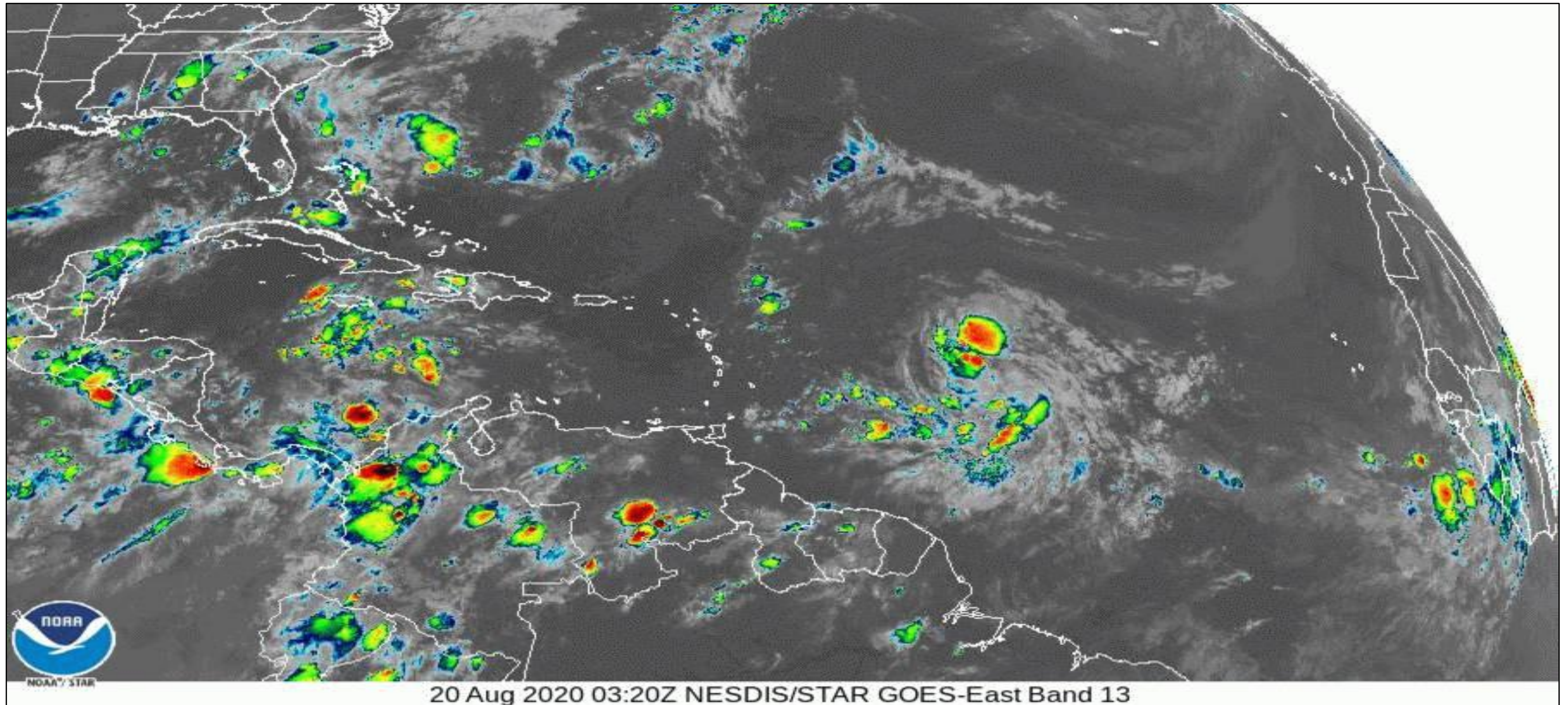
- Tropical wave in W Central Caribbean gradually becoming better organized
- A Tropical Depression is likely to form today or tonight as system approaches Yucatan Peninsula - heavy rains, squalls spreading across the Yucatan and into southern Gulf this weekend
- *Air Force Recon scheduled to investigate today*

Current Satellite View

Tropical Depression Thirteen



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NWS National Hurricane Center

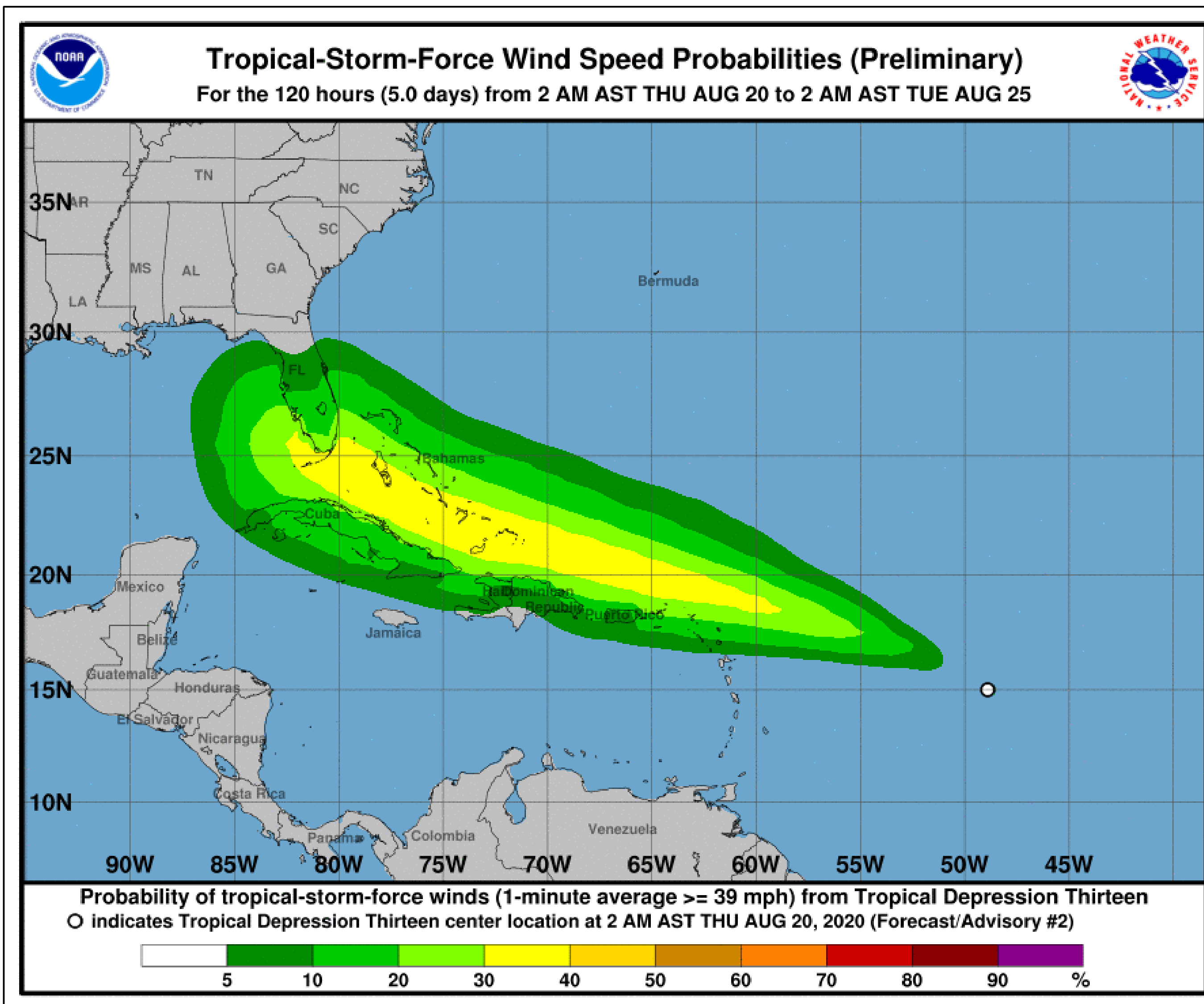


T.S. Wind Speed Probabilities

Tropical Depression Thirteen



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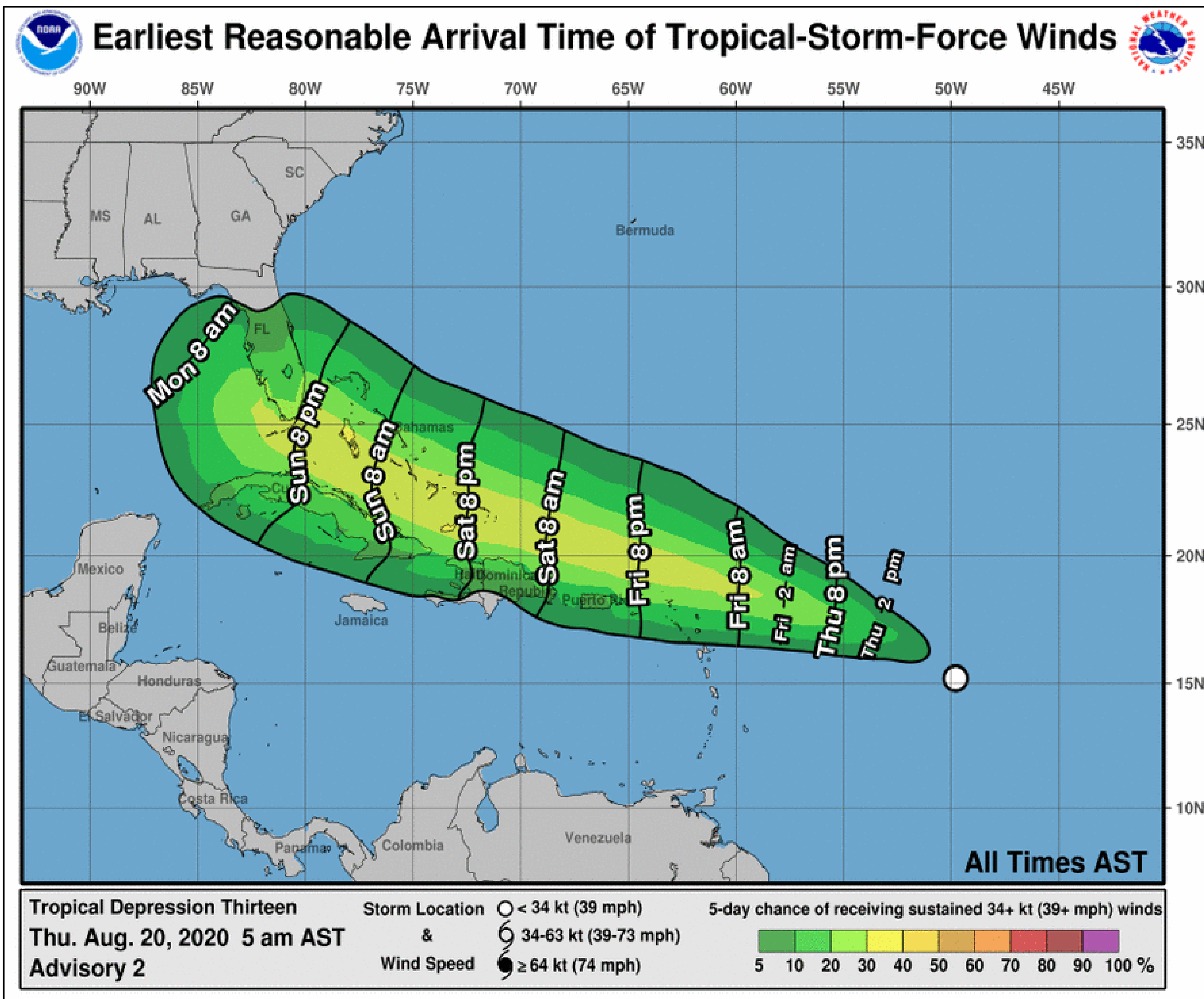
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color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

Earliest Reasonable Time of Arrival

Tropical Depression Thirteen



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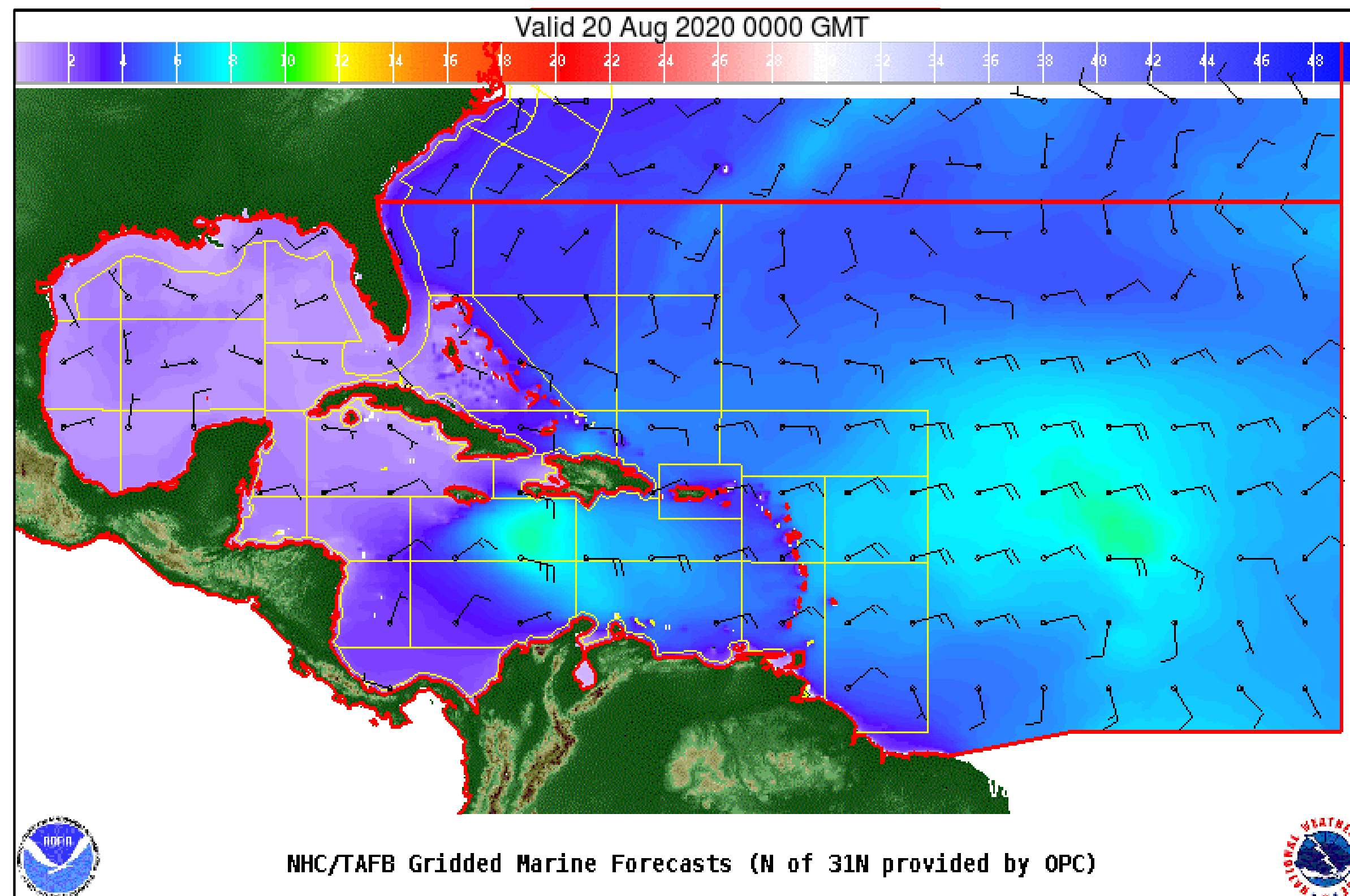
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
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Wind And Waves

Tropical Depression Thirteen

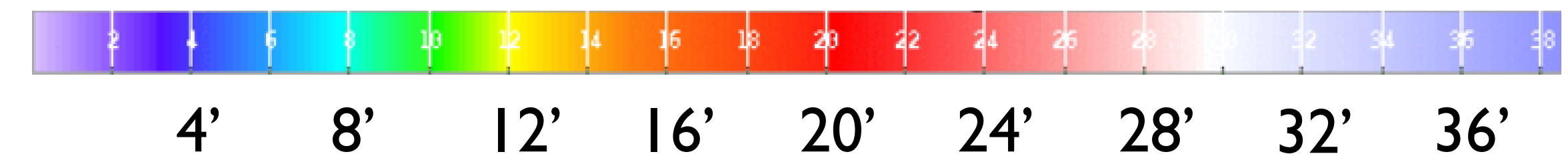


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Current Conditions valid 0000 UTC 20 Aug

- Wave heights are in feet

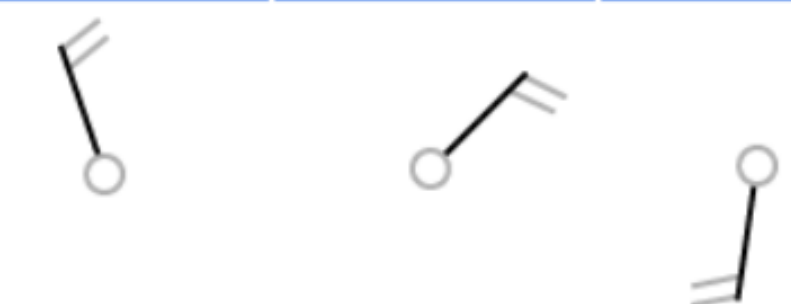


- Wind barbs indicate the following wind speeds and directions:

Observed wind speed	0-2 kts (0-2 mph)	3-7 kts (3-8 mph)	8-12 kts (9-14 mph)	13-17 kts (15-20 mph)	18-22 kts (21-25 mph)	23-27 kts (26-31 mph)	28-32 kts (32-37 mph)	33-37 kts (38-43 mph)	48-52 kts (55-60 mph)	53-57 kts (61-66 mph)	58-62 kts (67-71 mph)	63-67 kts (73-77 mph)	98-102 kts (113-117 mph)	102-107 kts (119-123 mph)
Rounded to the nearest 5	0 kts	5 kts	10 kts	15 kts	20 kts	25 kts	30 kts	35 kts	50 kts	55 kts	60 kts	65 kts	100 kts	105 kts
Plotted as														

Wind FROM 340° (NNW) Wind FROM 040° (NE) Wind FROM 190° (S)

The wind direction is indicated by the long shaft. The shaft will point to the direction FROM which the wind is blowing. The direction is based upon a 36-point compass.

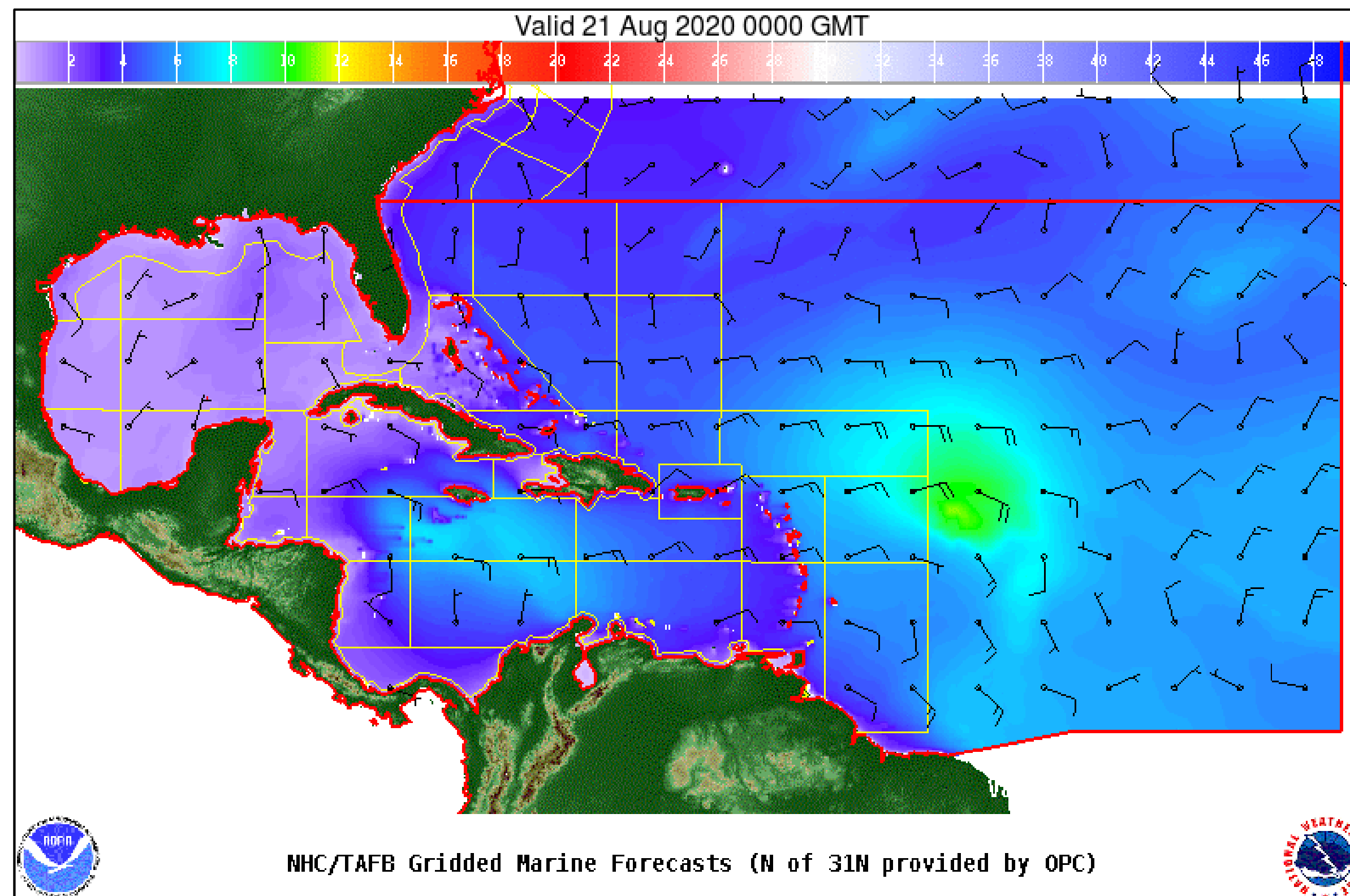


Wind And Waves

Tropical Depression Thirteen

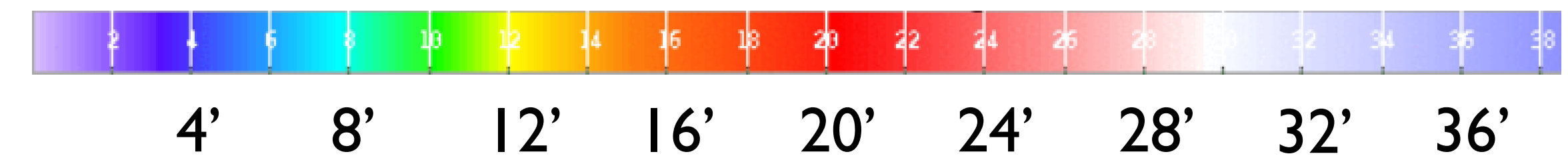


Tropical Analysis and Forecast Branch
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24 Hour Forecast valid 0000 UTC 21 Aug or Tonight

- Wave heights are in feet

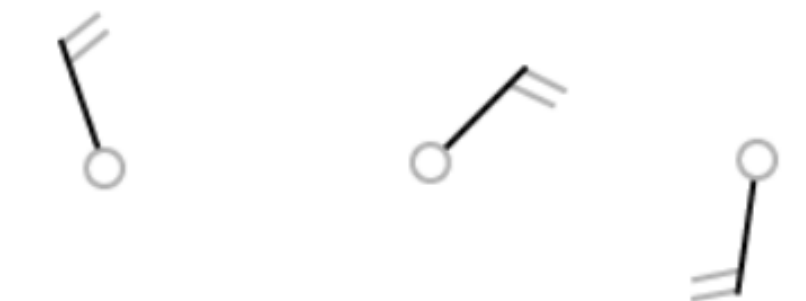


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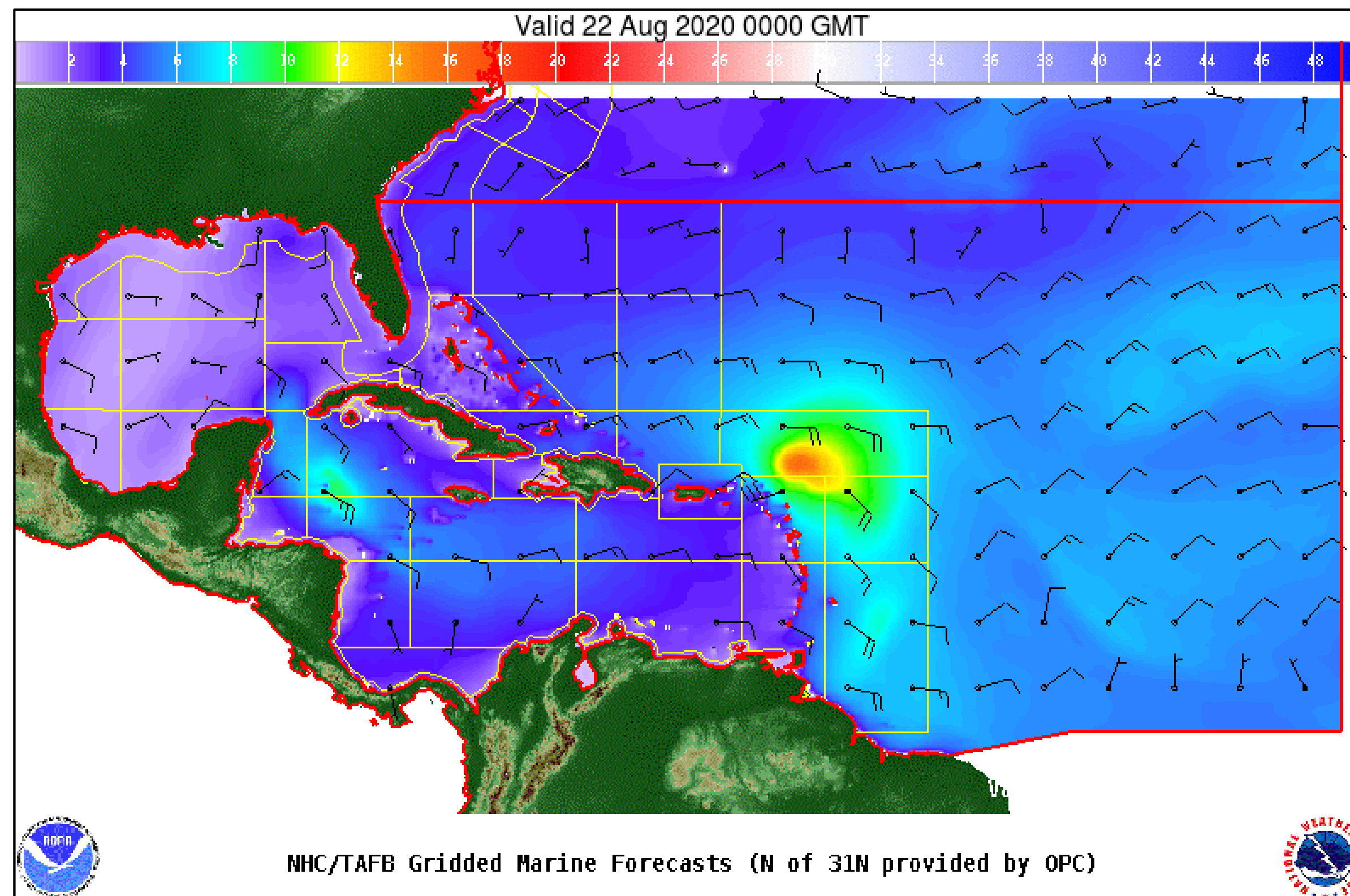


Wind And Waves

Tropical Depression Thirteen

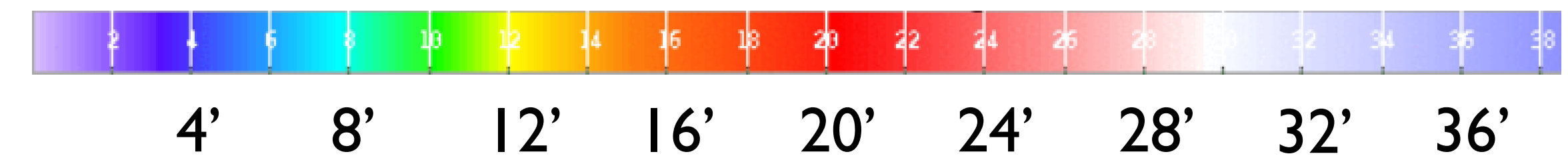


Tropical Analysis and Forecast Branch
NWS National Hurricane Center



48 Hour Forecast valid 0000 UTC 22 Aug or Friday night

- Wave heights are in feet

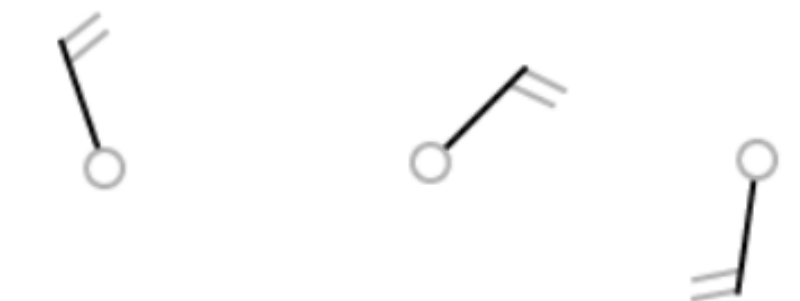


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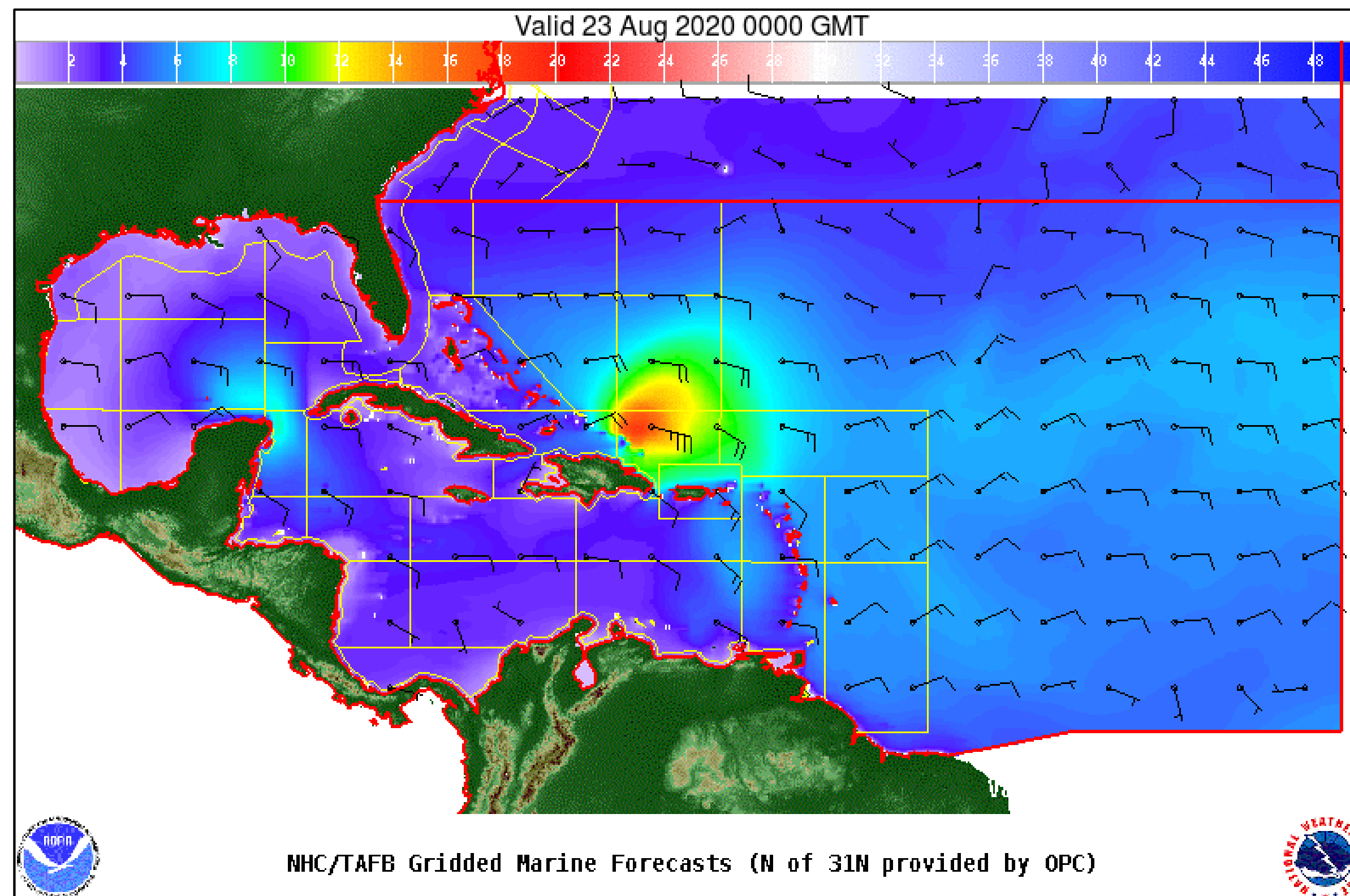


Wind And Waves

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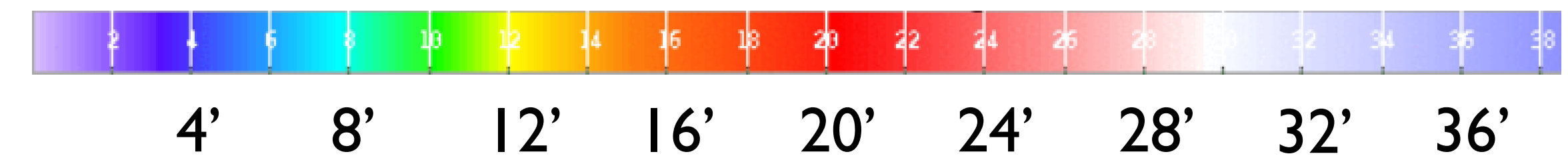


Tropical Analysis and Forecast Branch
NWS National Hurricane Center



72 Hour Forecast valid 0000 UTC 23 Aug or
Saturday night

- Wave heights are in feet



- Wind barbs indicate the following wind speeds and directions:

Observed wind speed	0-2 kts (0-2 mph)	3-7 kts (3-8 mph)	8-12 kts (9-14 mph)	13-17 kts (15-20 mph)	18-22 kts (21-25 mph)	23-27 kts (26-31 mph)	28-32 kts (32-37 mph)	33-37 kts (38-43 mph)	48-52 kts (55-60 mph)	53-57 kts (61-66 mph)	58-62 kts (67-71 mph)	63-67 kts (73-77 mph)	98-102 kts (113-117 mph)	102-107 kts (119-123 mph)
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Key Messages

Tropical Depression Thirteen



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



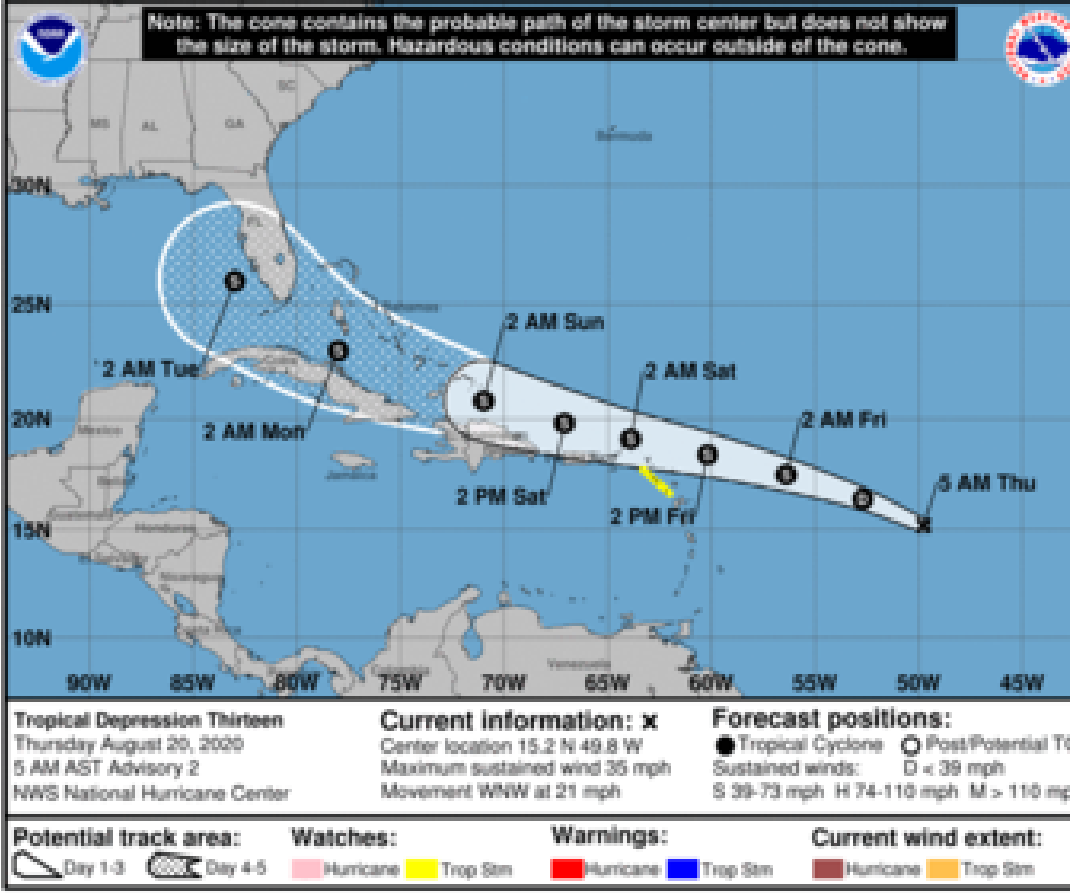
Key Messages for Tropical Depression Thirteen

Advisory 2: 5:00 AM AST Thu Aug 20, 2020

1. Tropical storm conditions are possible across portions of the northern Leeward Islands by Friday night, and Tropical Storm Watches have been issued for some of these islands. Heavy rainfall is likely across this area beginning late Friday.

2. There is a risk of tropical storm conditions in the Virgin Islands and Puerto Rico Friday night and Saturday and Tropical Storm Watches could be required for these islands later today. Interests there should closely monitor the progress of this system.

3. The details of the long-range track and intensity forecasts are more uncertain than usual since the system could move over portions of the Greater Antilles this weekend. However, this system could bring some rainfall and wind impacts to portions of Hispaniola, Cuba, the Bahamas, and Florida this weekend and early next week. Interests there should monitor this system's progress and updates to the forecast over the next few days.

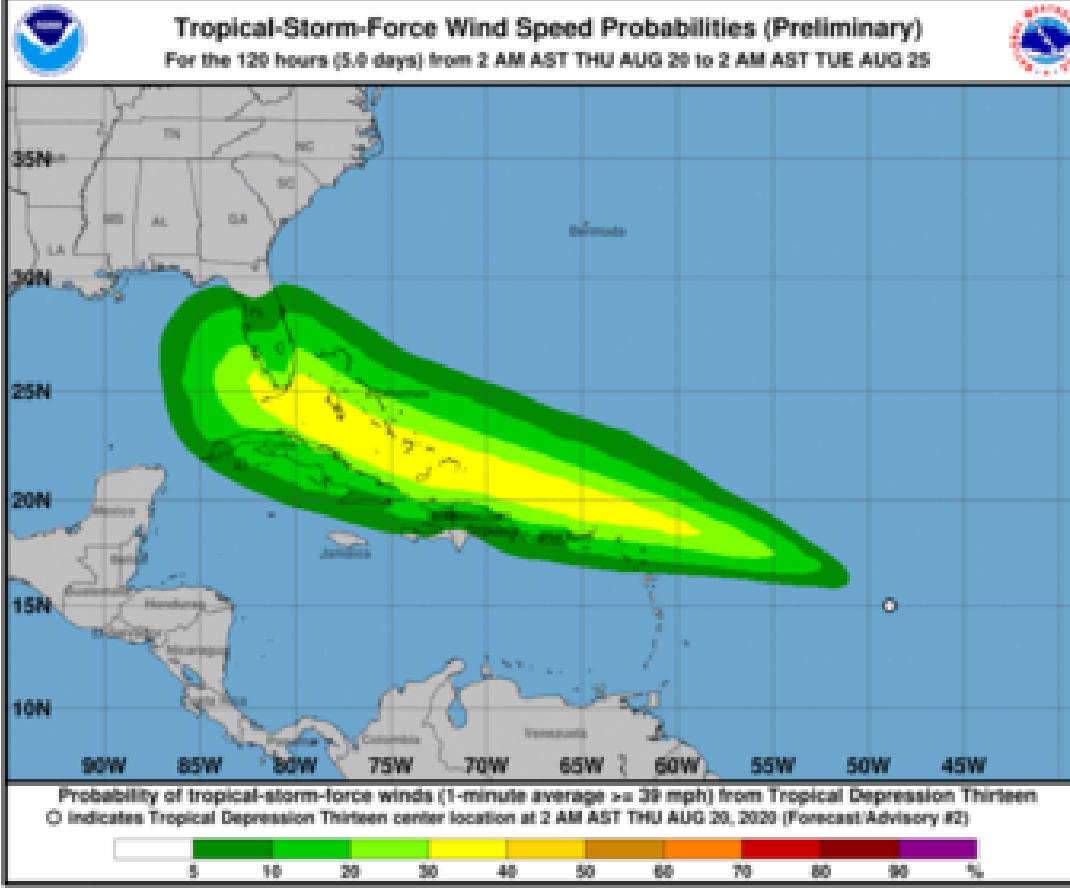


Tropical Depression Thirteen
Thursday August 20, 2020
5 AM AST Advisory 2
NWS National Hurricane Center

Current information: x
Center location 15.2 N 49.8 W
Maximum sustained wind 35 mph
Movement WNW at 21 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 extent: Hurricane Trop Stm



Tropical-Storm-Force Wind Speed Probabilities (Preliminary)
For the 120 hours (5.0 days) from 2 AM AST THU AUG 20 to 2 AM AST TUE AUG 25

Probability of tropical-storm-force winds (1-minute average >= 39 mph) from Tropical Depression Thirteen
○ indicates Tropical Depression Thirteen center location at 2 AM AST THU AUG 20, 2020 (Forecast Advisory #2)

5 10 20 30 40 50 60 70 80 90 %

For more information go to hurricanes.gov

- TD Thirteen expected to approach the SE Gulf of Mexico late Sunday or Monday as a Tropical Storm
- Intensity at that time dependent on potential interaction with land masses of Cuba and South Florida
- Beyond Monday – impact of this system likely to affect NE half of Gulf of Mexico



TROPICAL DEPRESSION THIRTEEN BRIEFING

You can contact the Tropical Analysis and Forecast Branch at
305-229-4424 or ncep.nhc.tafb@noaa.gov

*The Next Briefing Will Be:
Friday 1 0:00 AM EST*

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



NHC_TAFB

www.nhc.noaa.gov