

IMPACTS FOR D7 (through next 5 days)

Winds – Medium

Storm Surge – Low

Rainfall/Flash Flooding – Medium

Tornadoes – Low

Waves - High

TROPICAL STORM TAMMY BRIEFING

8:00 AM EST

Friday, October 20, 2023

Prepared by:

Scott Stripling – NHC/TAFB

Ernesto Rodriguez – WFO SJU

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

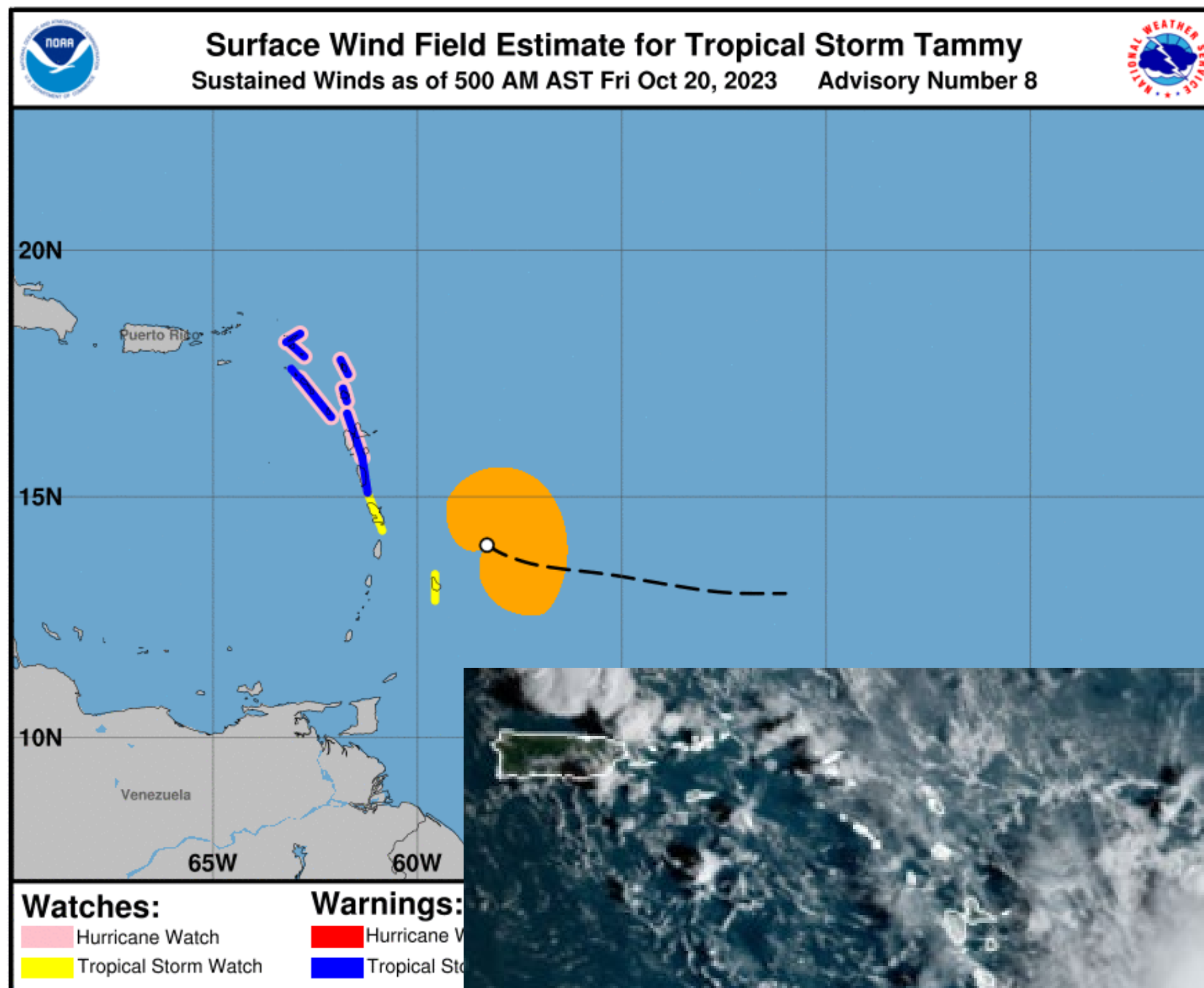
www.nhc.noaa.gov

Situation Overview

Tropical Storm Tammy



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



...Tammy forecast to become a Hurricane, potentially bringing hurricane conditions to portions of the Leeward Islands Sat...

Summary of 500 AM EDT Information

Location... 14.0N 58.3W

Maximum Sustained Winds... 50 kt G 60 kt

Present Movement... WNW at 7 kt

Size:

34 kt.... 110 / 120 / 0 / 80 nm

12 ft.... 270 / 150 / 90 / 330 nm

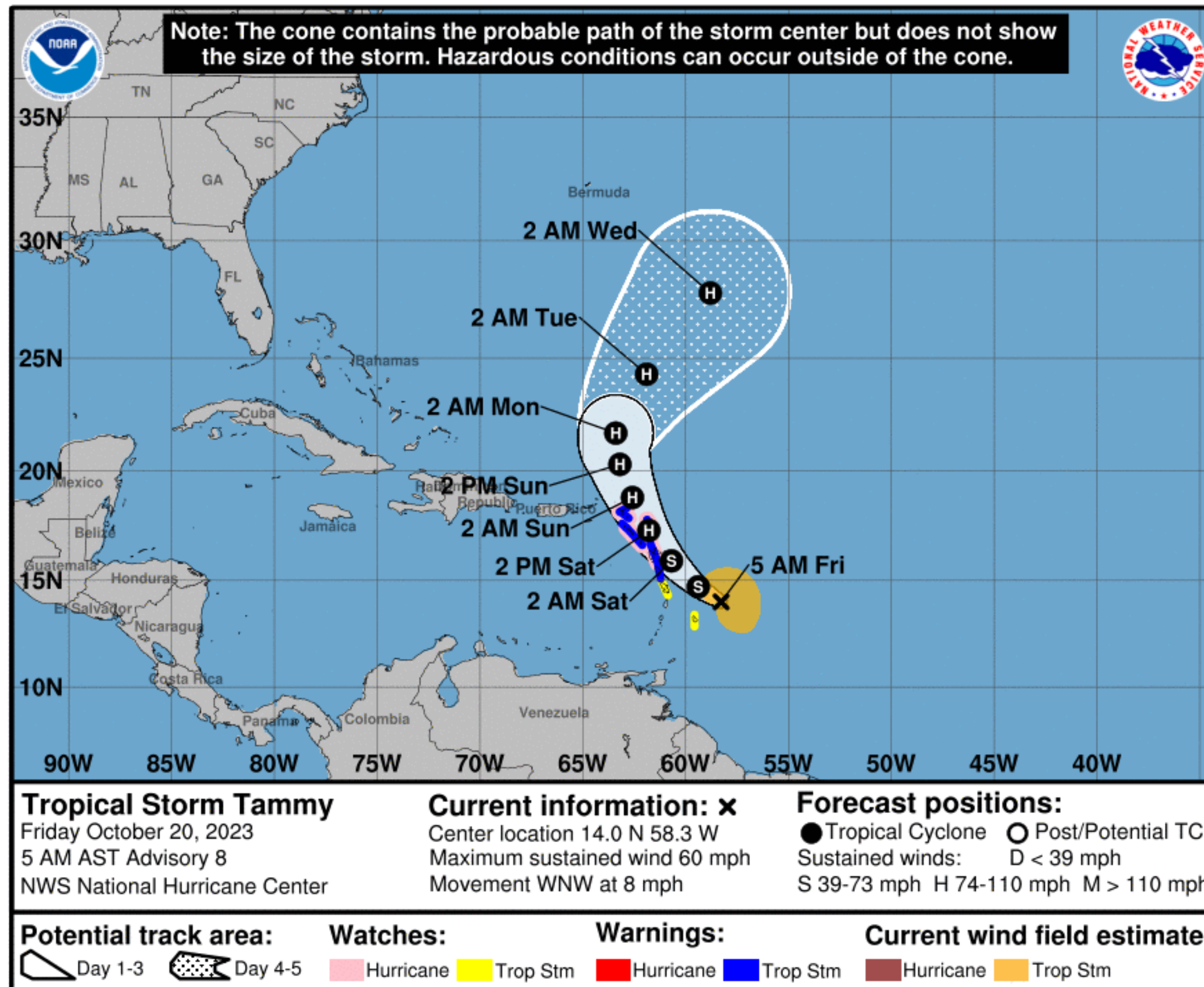


Forecast Information

Tropical Storm Tammy



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.

- **Tammy is expected to gradually turn toward the NNW at about the same rate of speed in the next three days**
- **The system is anticipated to steadily intensify and reach hurricane force, likely on Saturday**
- **Tropical storm conditions are likely and hurricane conditions possible across portions of the Leeward Islands**

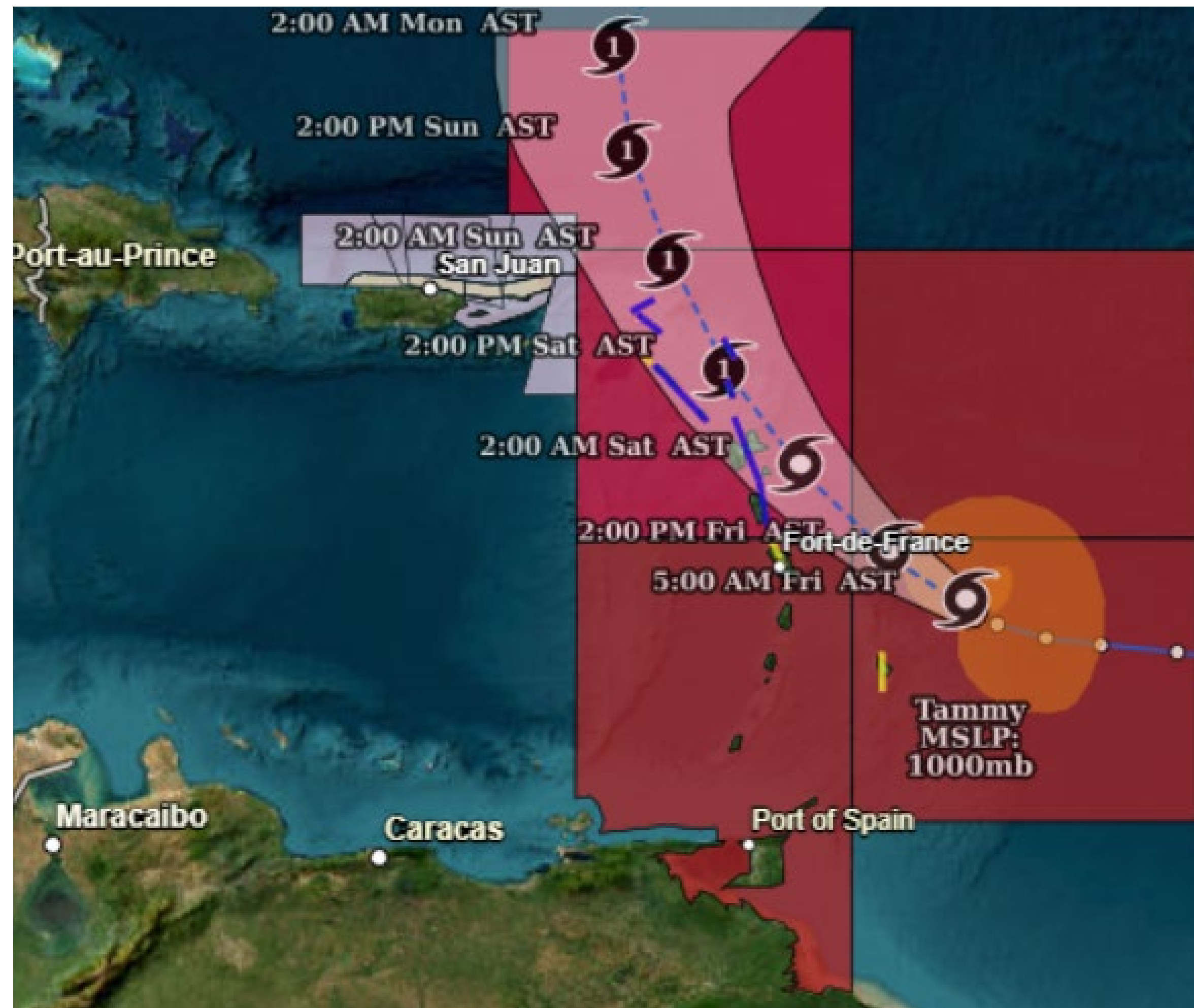
** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

Tropical Storm Tammy



Tropical Analysis and Forecast Branch
NWS National Hurricane Center

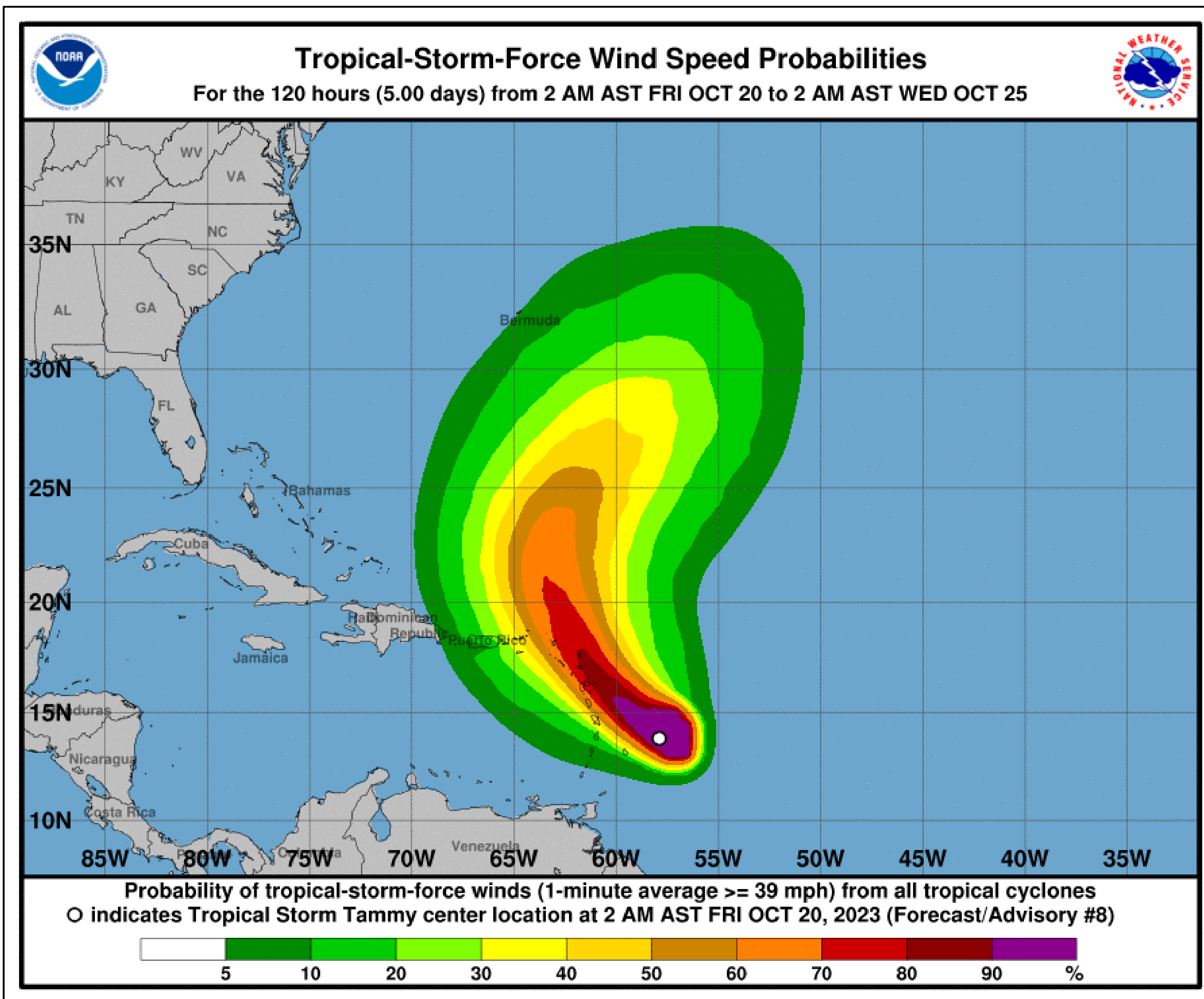


T.S. Wind Speed Probabilities

Tropical Storm Tammy



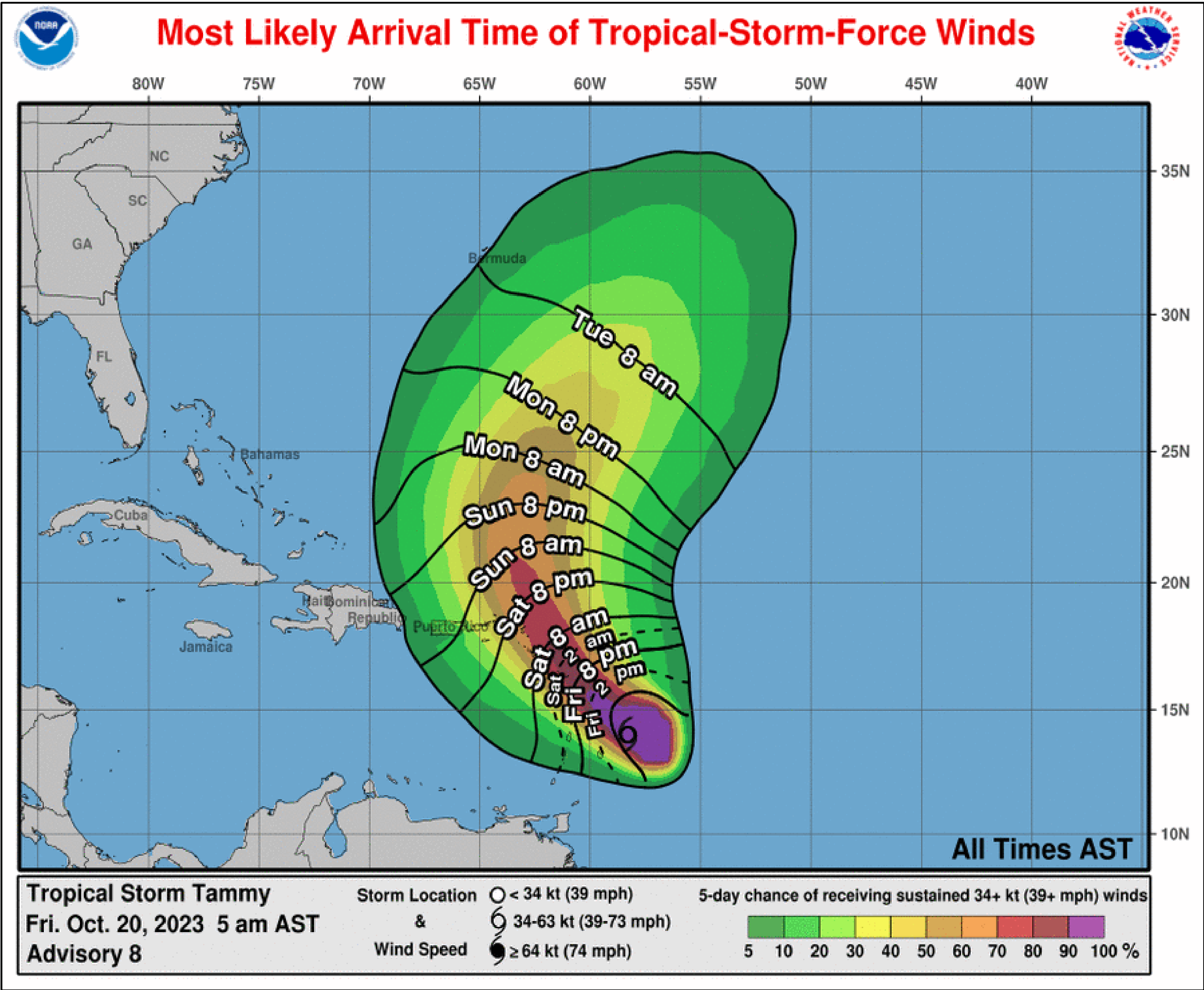
Tropical Analysis and Forecast Branch
NWS National Hurricane Center



- 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.
- **St Thomas – 30%**
- **St John – 30%**
- **Vieques – 20%**
- **St Croix – 25%**



Tropical Storm Tammy



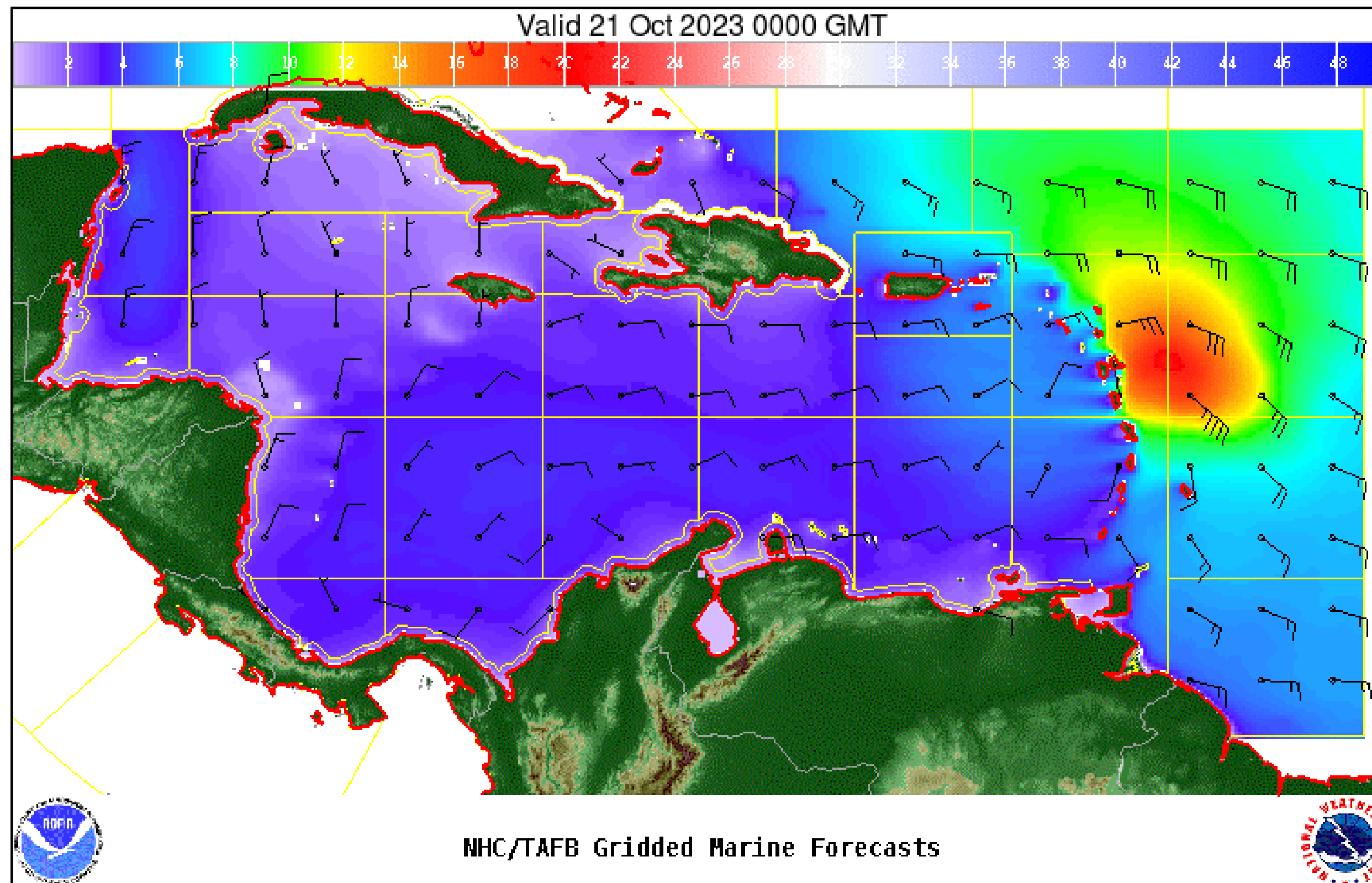
- **IF tropical storm force winds occur for USVI/Vieques:**
 - **Saturday Evening**

Wind And Waves

Tropical Storm Tammy



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



24 Hour Forecast

8 pm EDT Fri Oct 20

Peak Winds: 60 kt

Peak Seas: 24 ft

- Wave heights are in feet



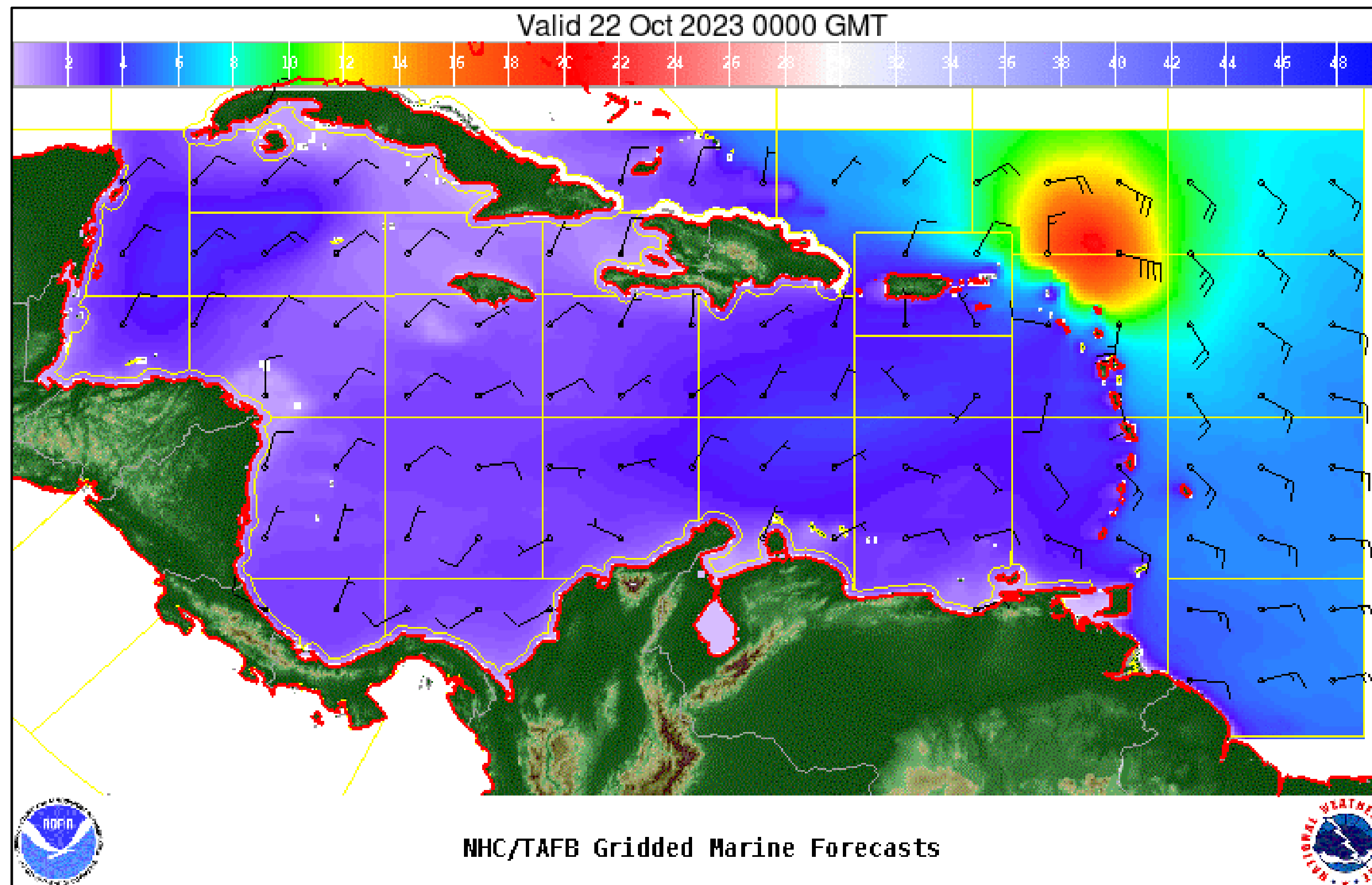
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Tammy



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



48 Hour Forecast

8 pm EDT Sat Oct 21

Peak Winds: 65 kt

Peak Seas: 26 ft

- Wave heights are in feet



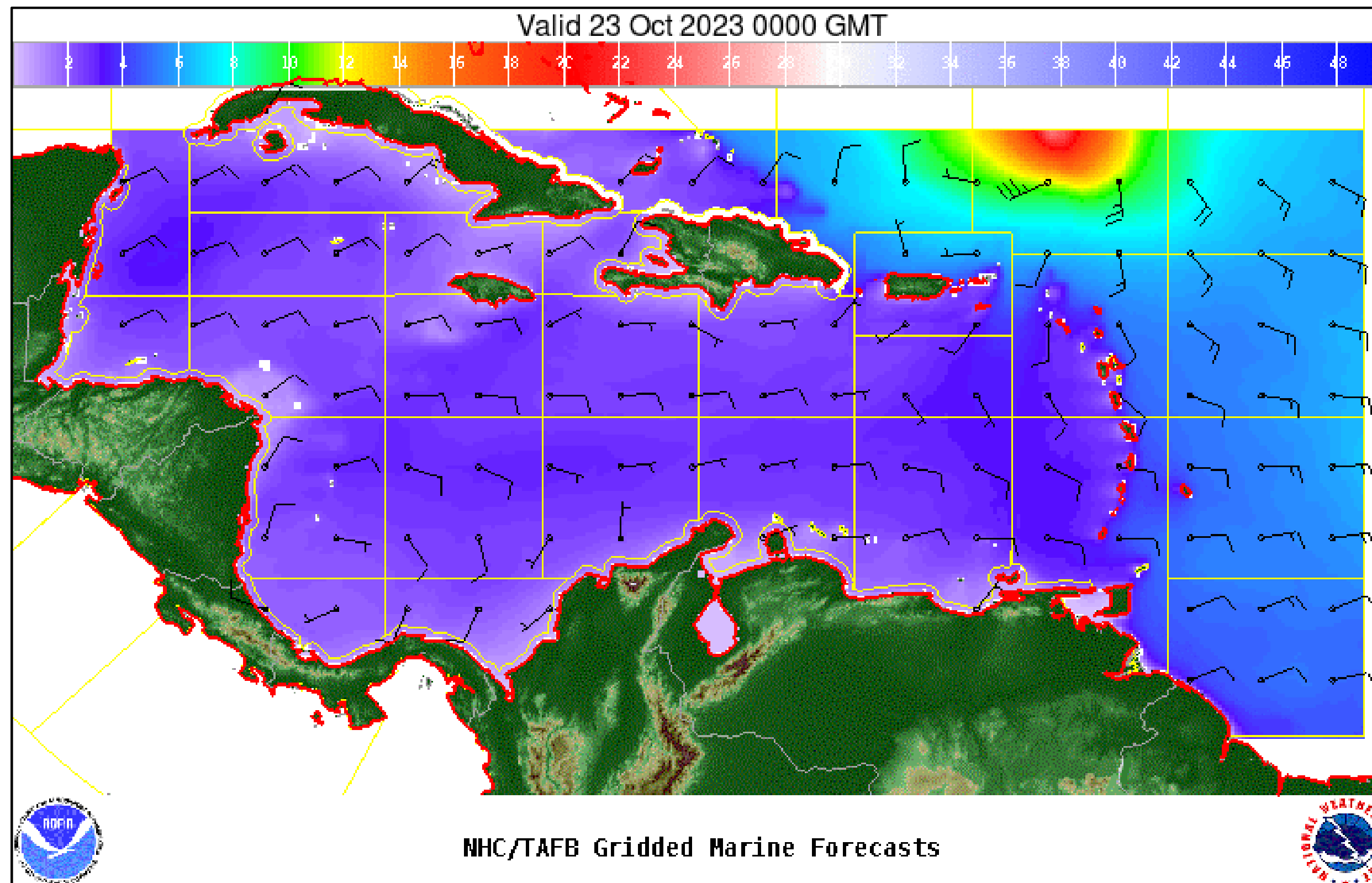
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Tammy



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



72 Hour Forecast

8 pm EDT Sun Oct 22

Peak Winds: 75 kt

Peak Seas: 28 ft

- Wave heights are in feet



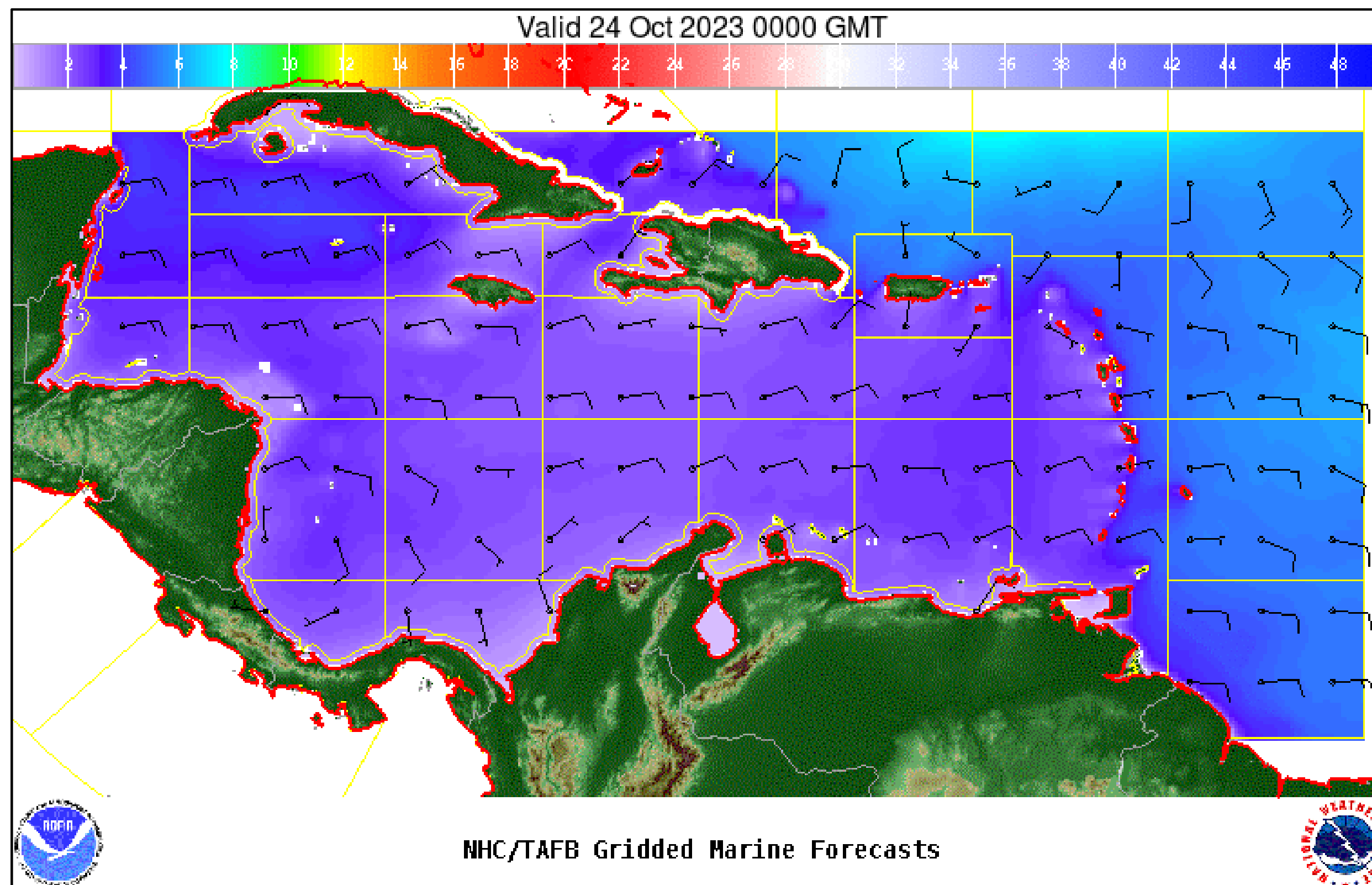
Significant Wave Height (ft)

Wind And Waves

Tropical Storm Tammy



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



96 Hour Forecast

8 pm EDT Mon Oct 23

Peak Winds: 80

Peak Seas: 30 ft

- Wave heights are in feet



Significant Wave Height (ft)

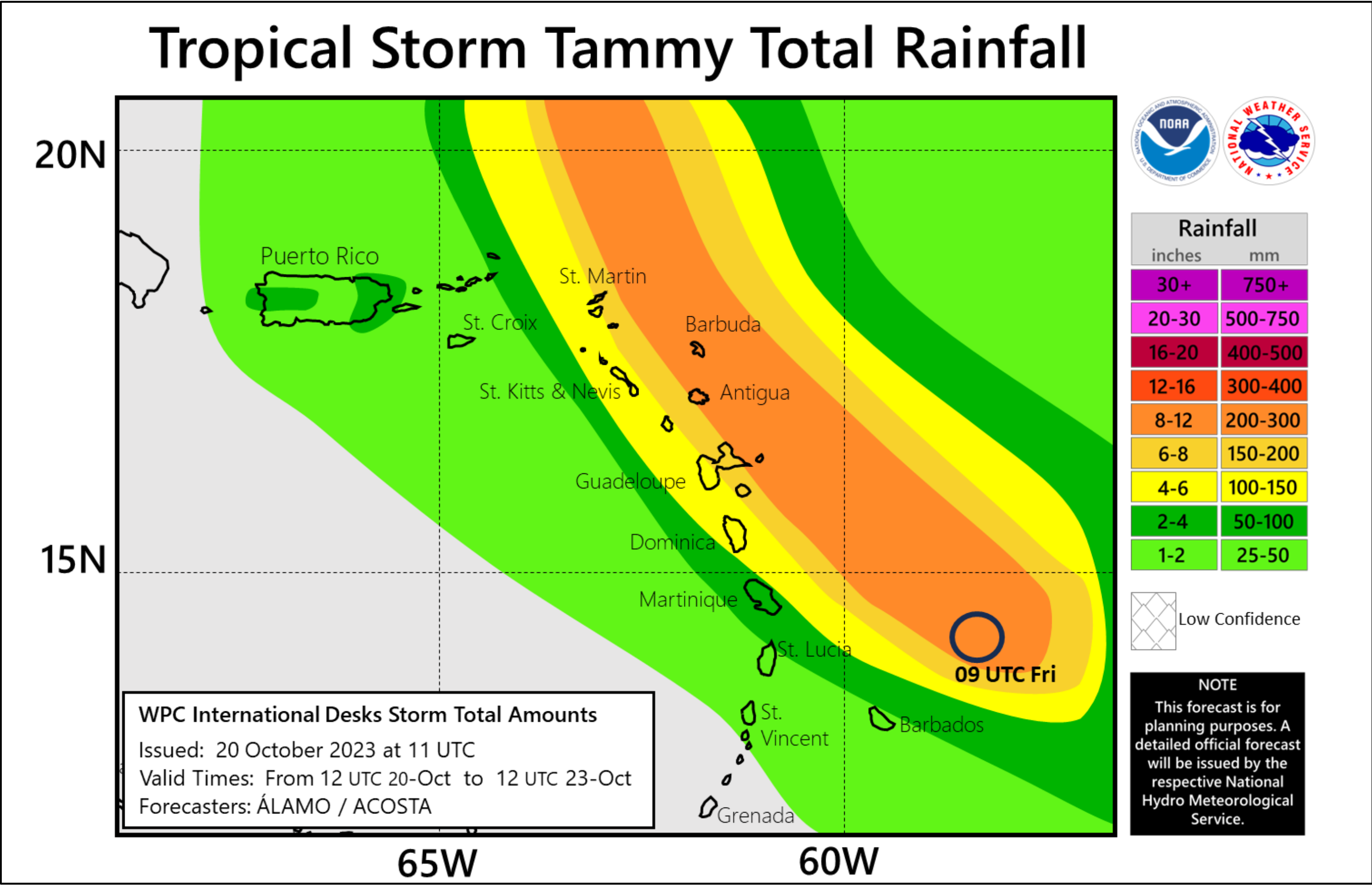
Expected Storm Total Rainfall

Tropical Storm Tammy

Images from NWS Weather Prediction Center



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Key Messages

Tropical Storm Tammy



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



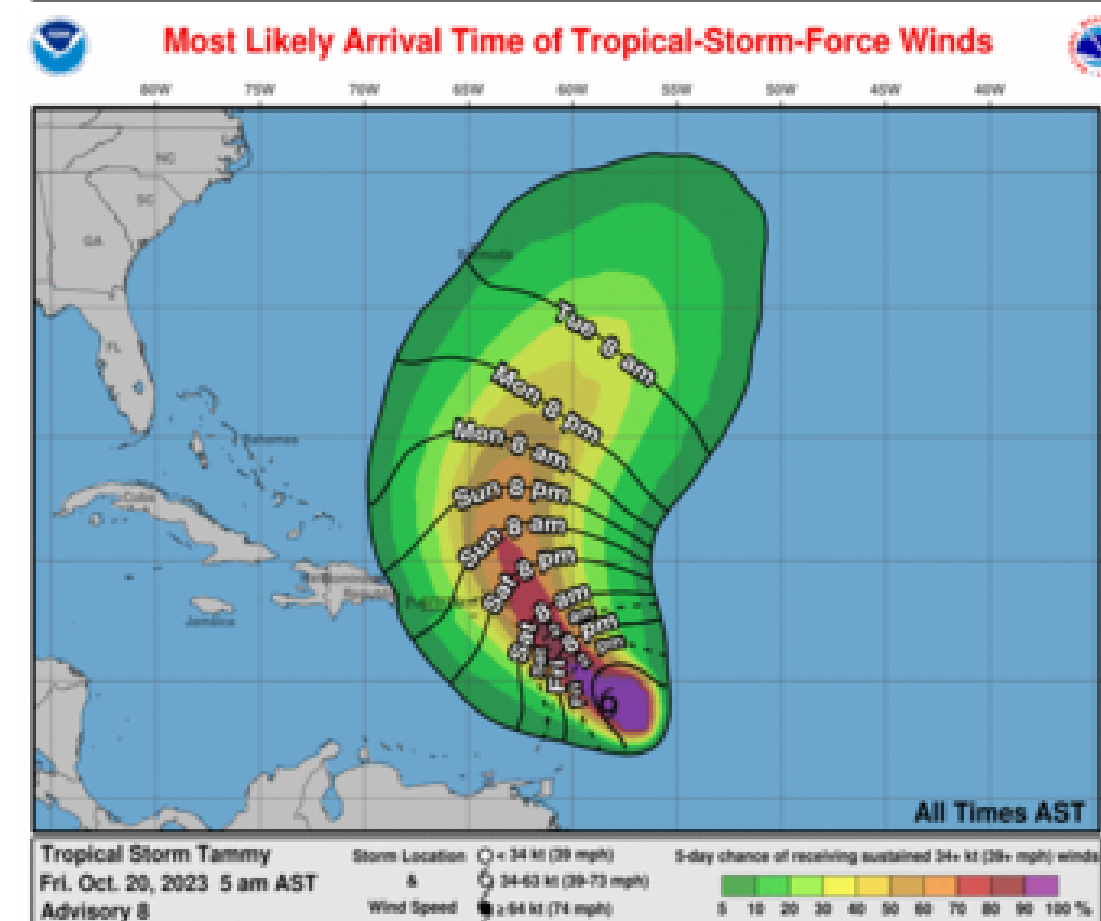
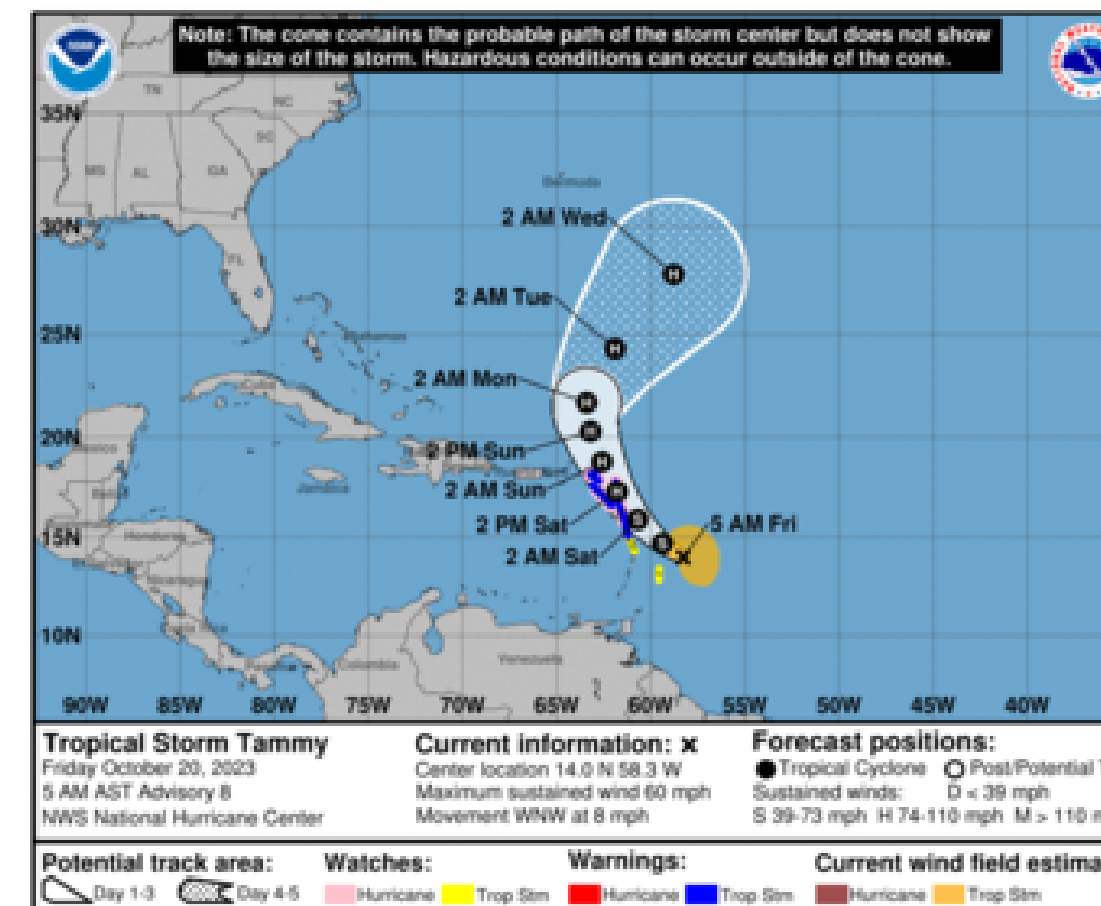
Key Messages for Tropical Storm Tammy

Advisory 8: 5:00 AM AST Fri Oct 20, 2023



1. Tammy is expected to strengthen to a hurricane by Saturday while it moves near or over portions of the Leeward Islands. Tropical storm conditions are expected to begin in portions of the Lesser Antilles within the tropical storm warning area this afternoon or evening, with hurricane conditions possible within the hurricane watch area on Saturday. Additional watches and warnings could be required later today.

2. Heavy rains from Tammy will begin to affect the Leeward and northern Windward Islands today, spreading into the British and U.S. Virgin Islands and Puerto Rico over the weekend. This rainfall may produce isolated flash and urban flooding, along with isolated mudslides in areas of higher terrain.



IMPACTS FOR **D7** (through next 5 days)

Winds – Medium

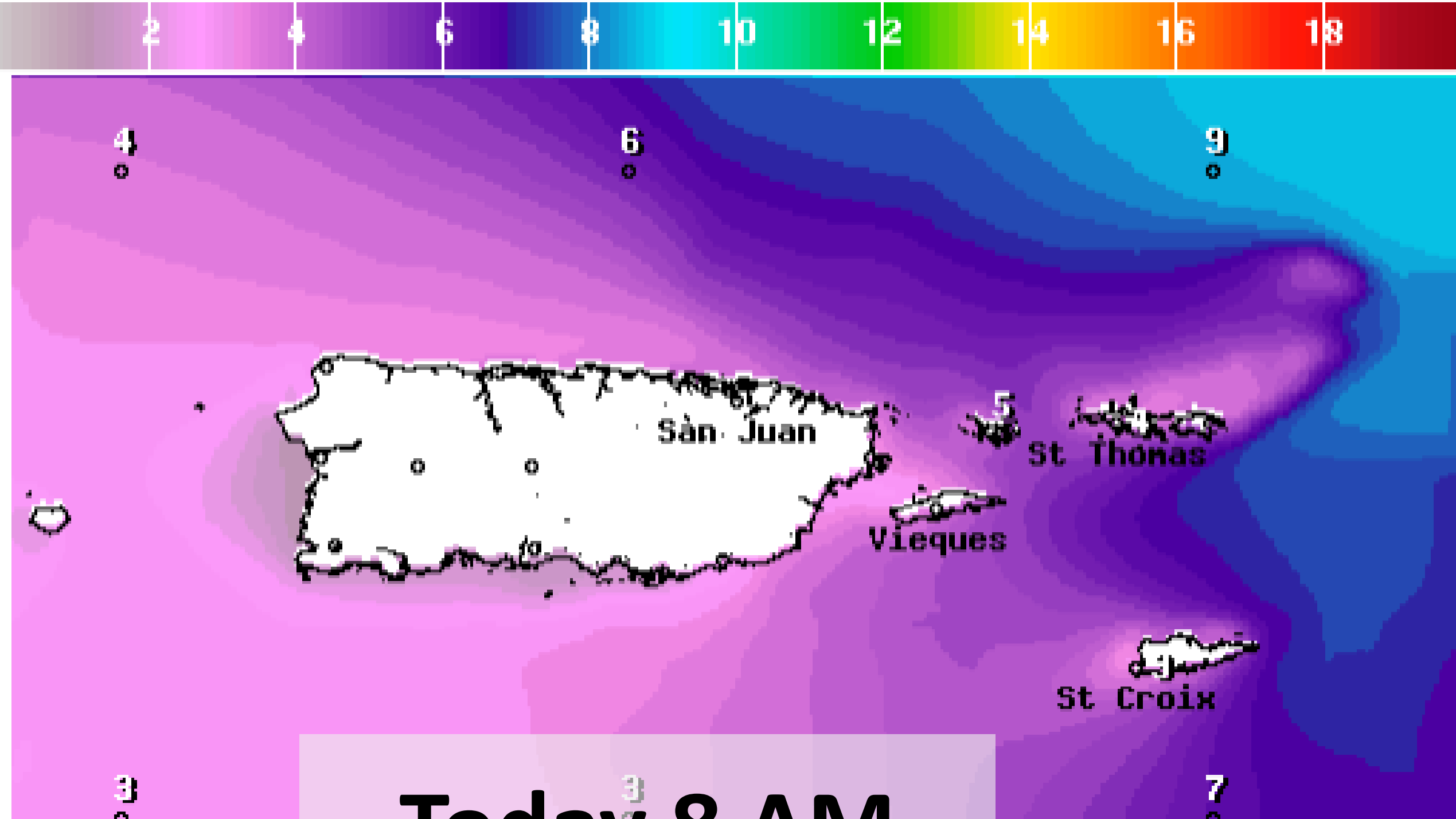
Storm Surge – Low

Rainfall/Flash Flooding – Medium

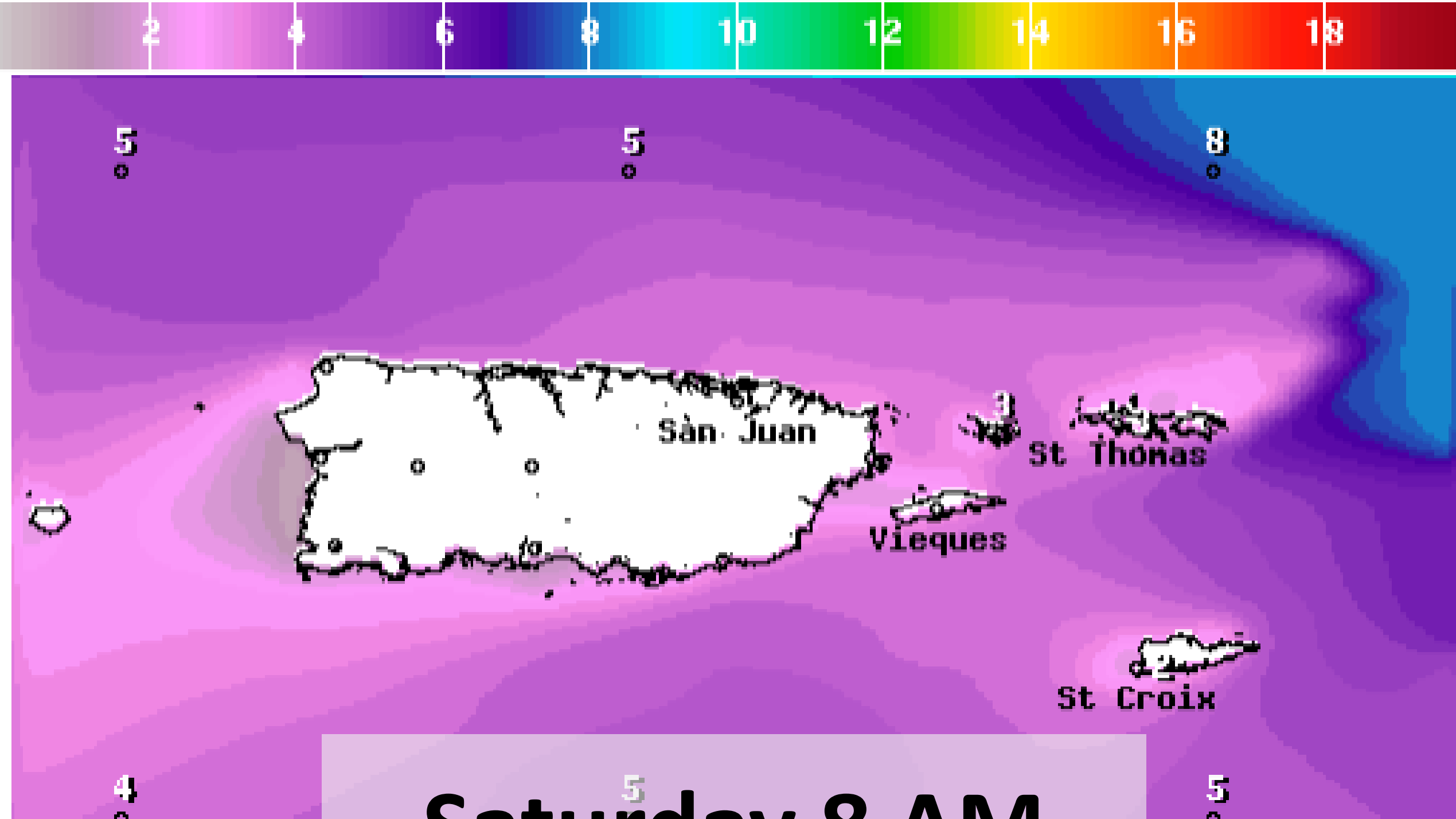
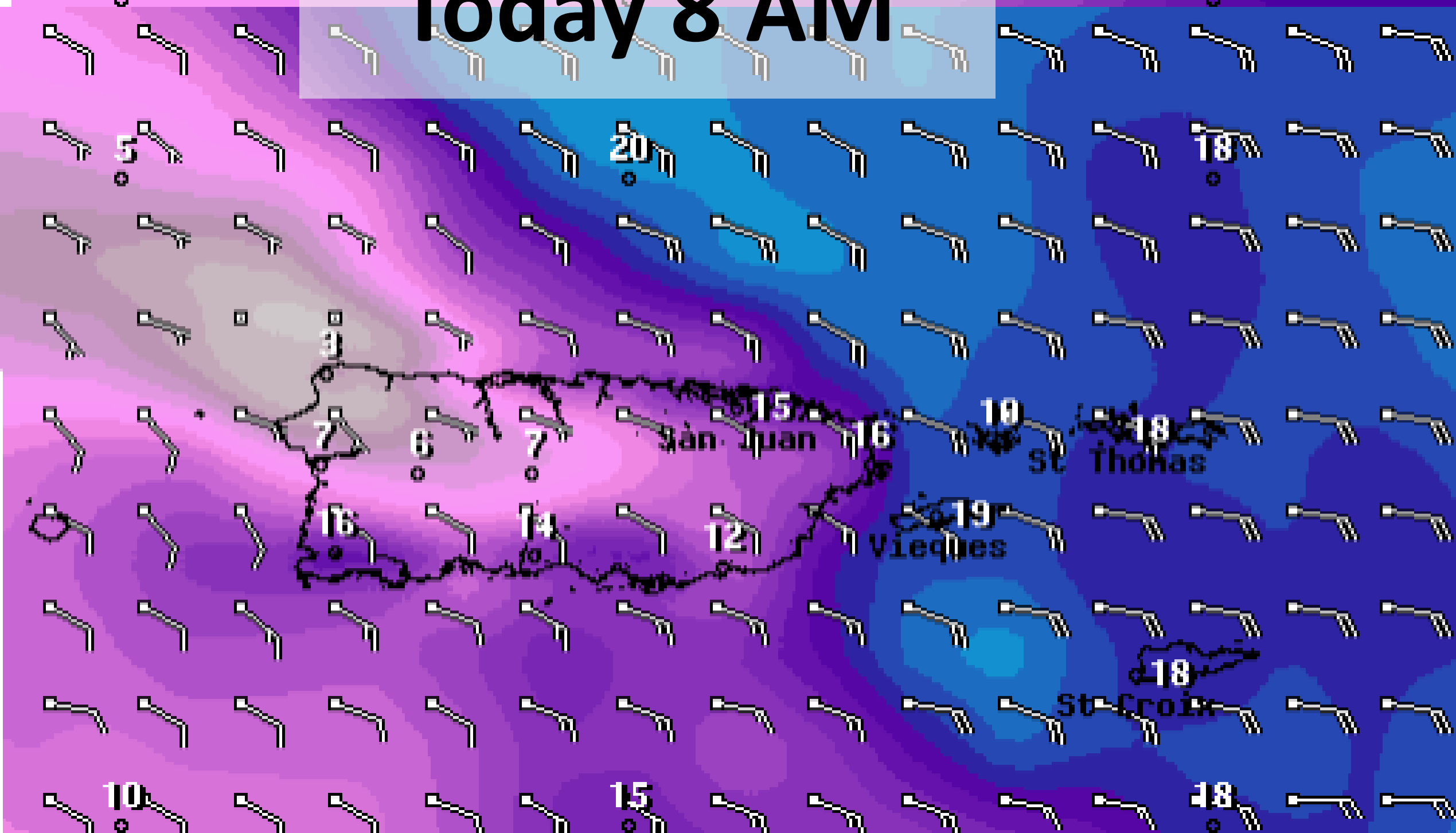
Tornadoes – Low

Waves - High

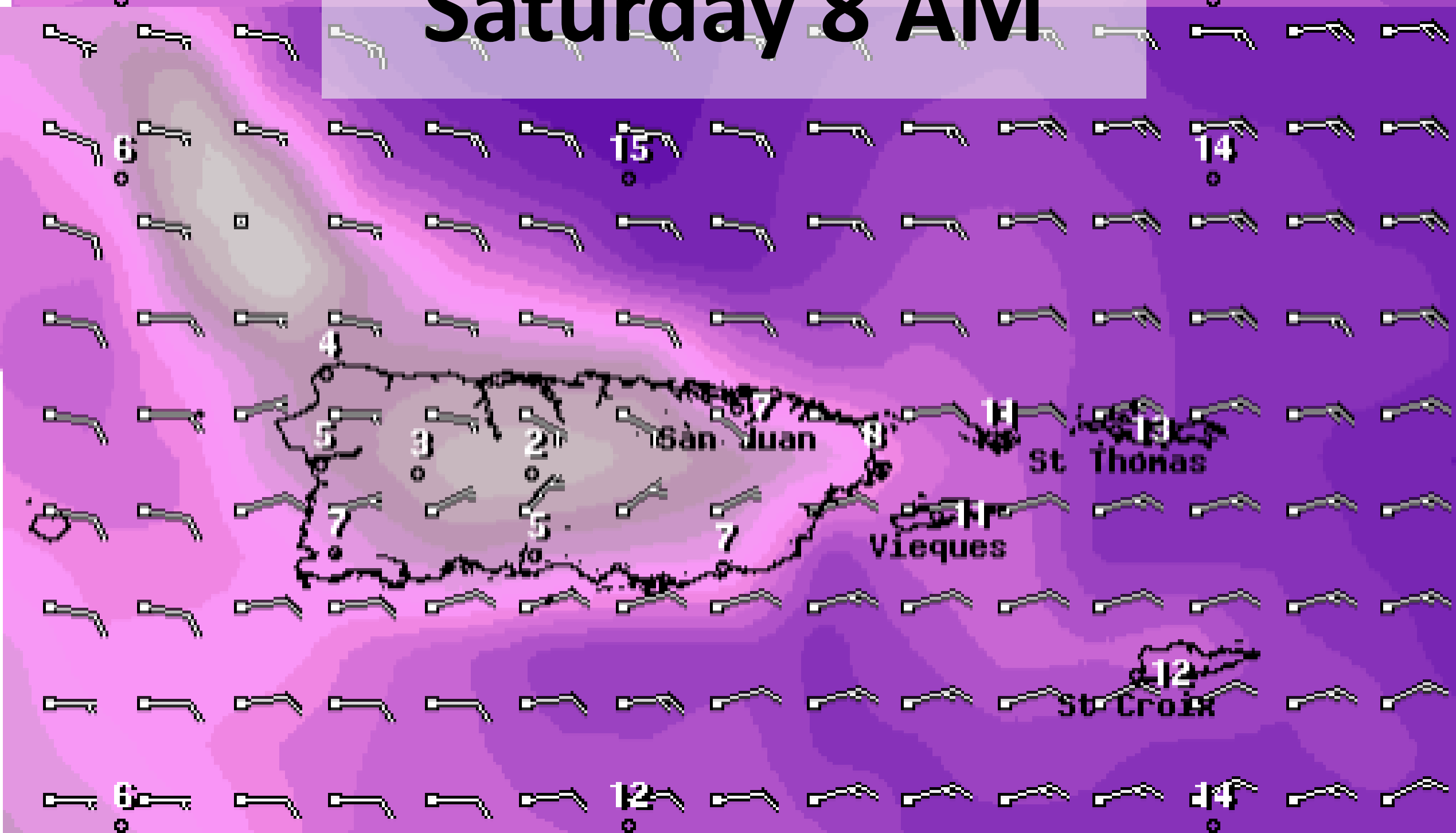
For more information go to hurricanes.gov

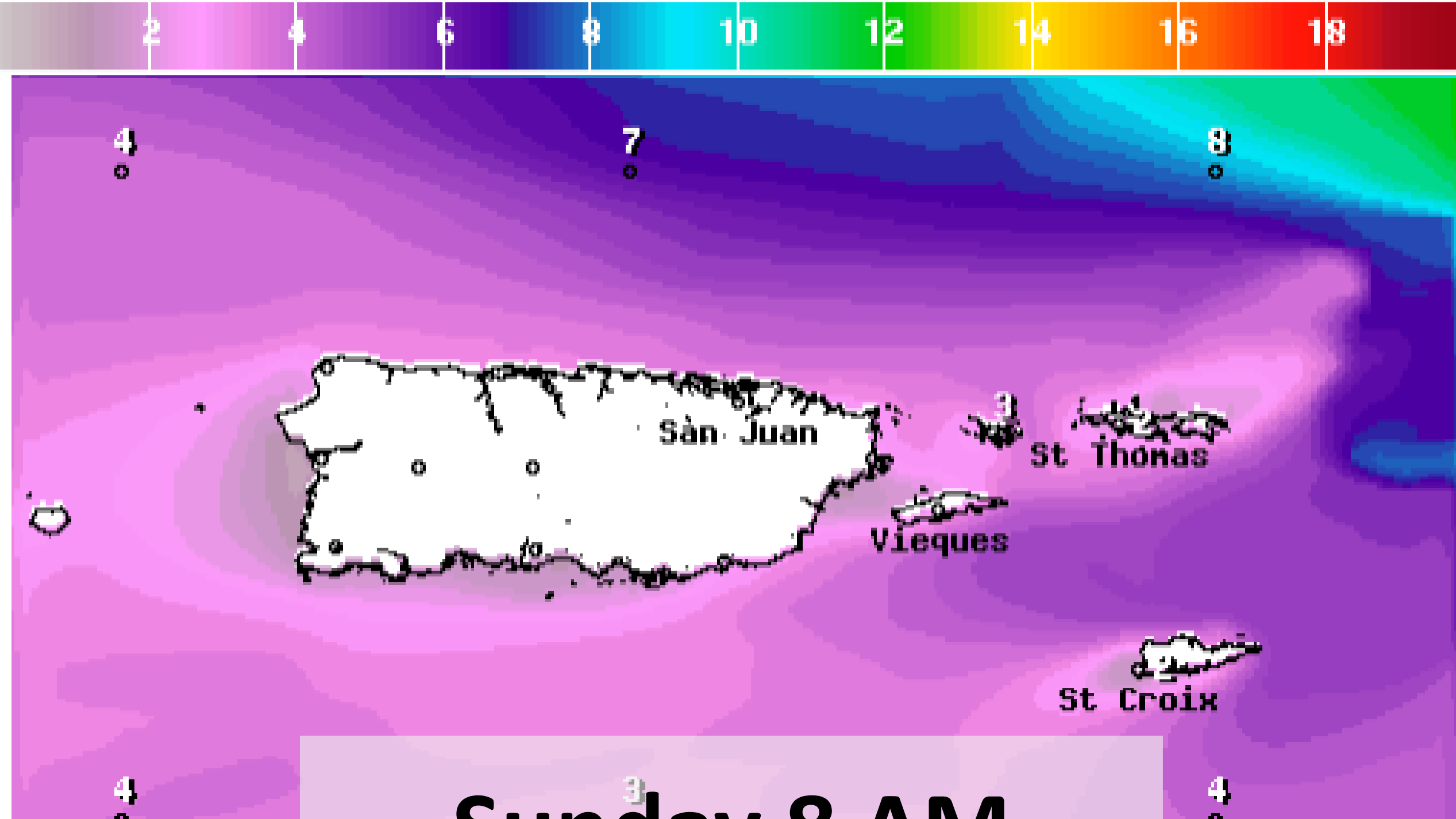


Today 8 AM

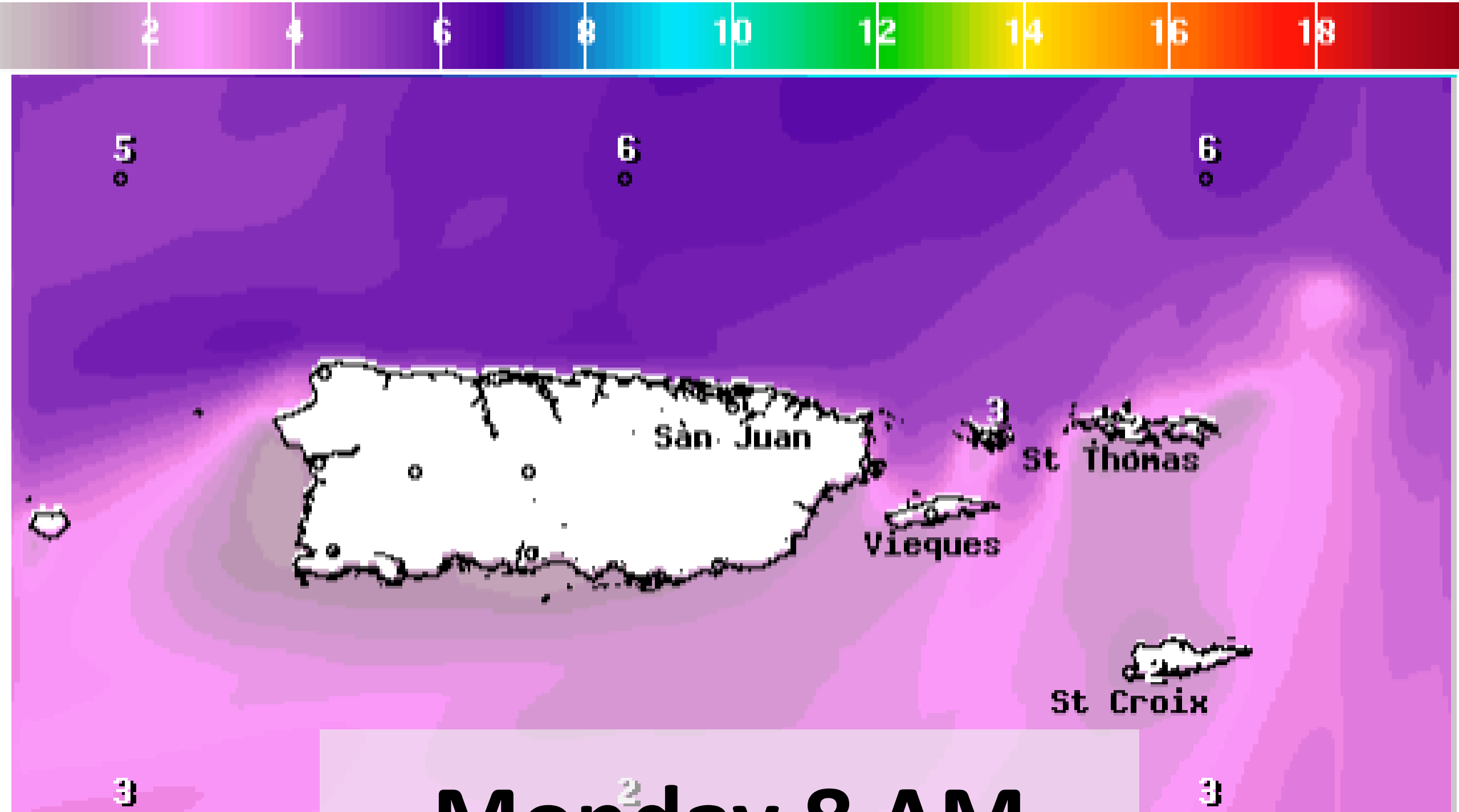
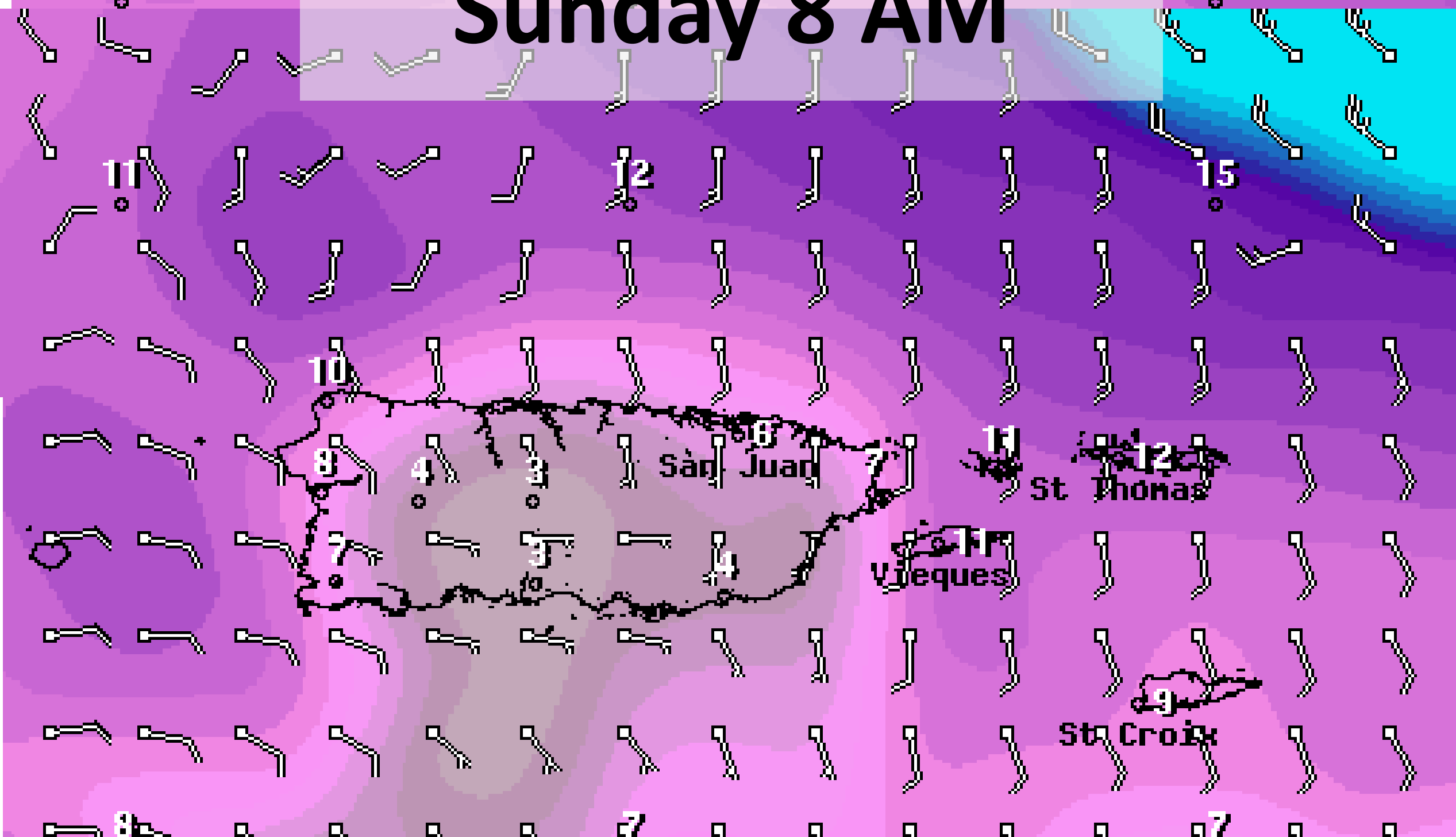


Saturday 8 AM

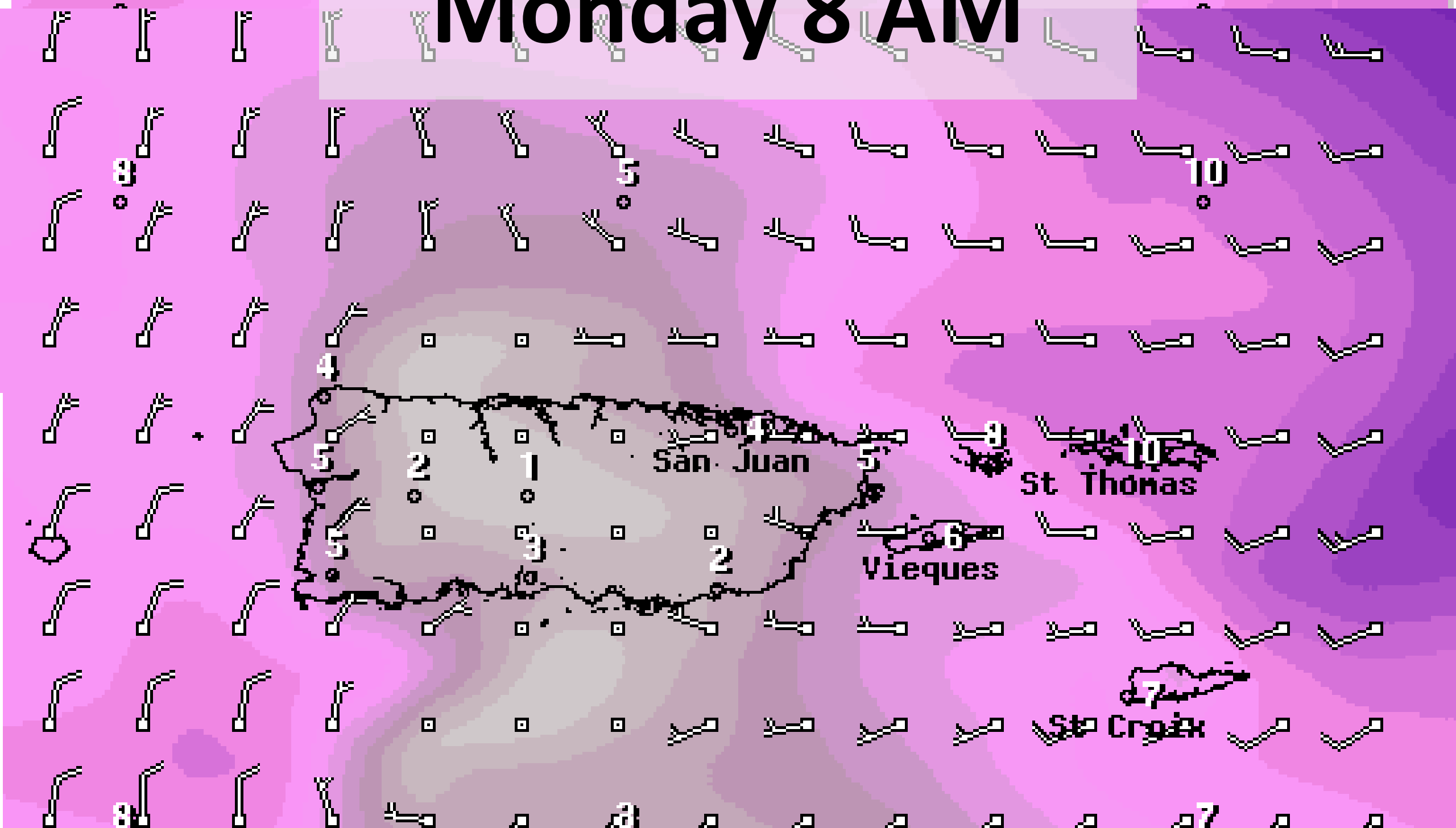




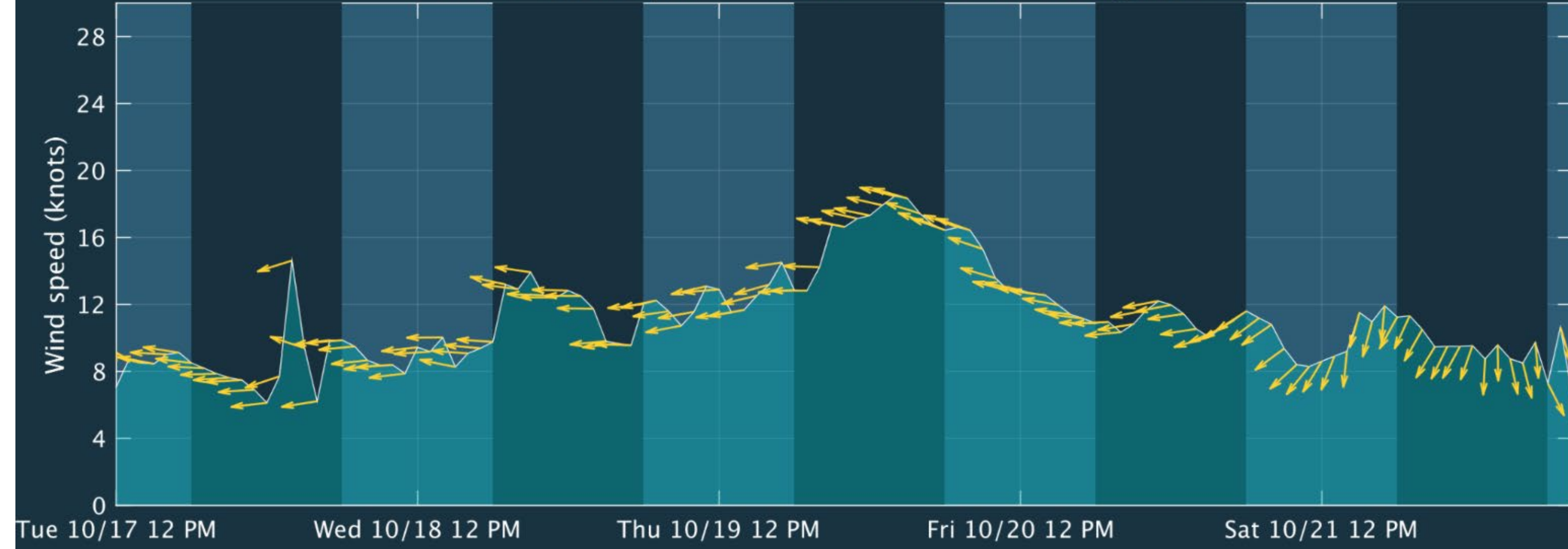
Sunday 8 AM



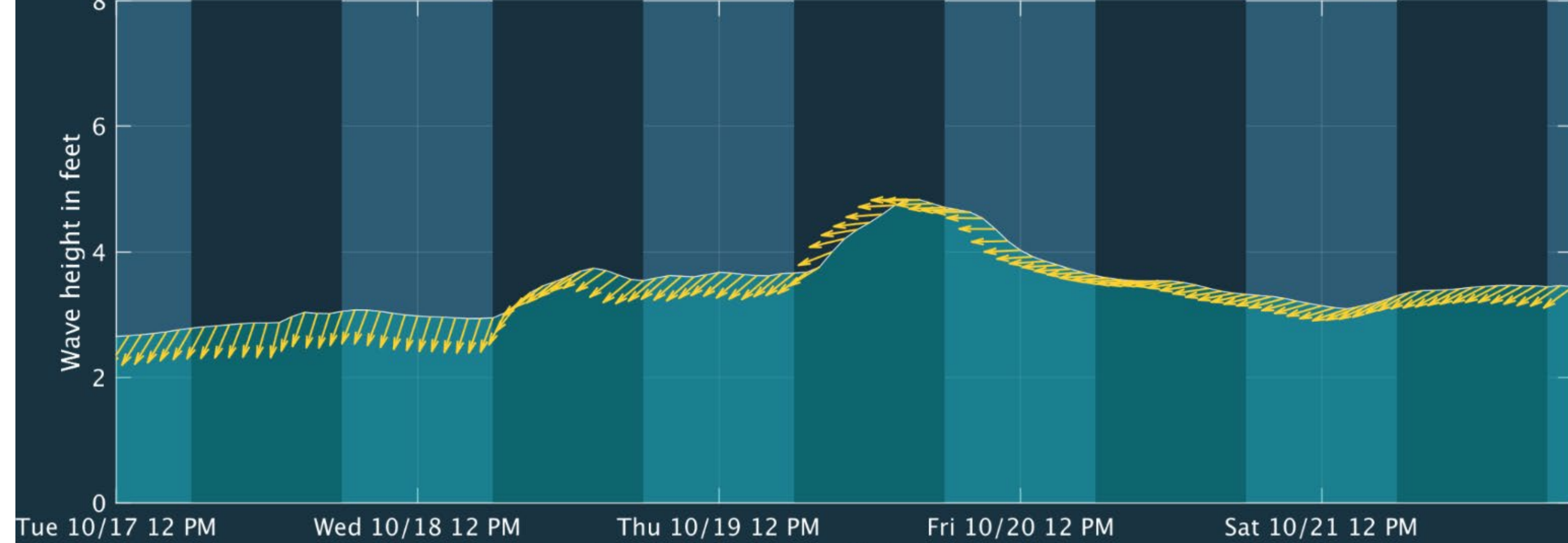
Monday 8 AM



CARICOOS Wind Speed and Direction Forecast for Virgin Passage



CARICOOS Significant Wave Height and Wave Direction Forecast for Virgin Passage



Local Time: Dark Blue = Night & Light Blue = Day



TROPICAL STORM TAMMY BRIEFING

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

*The Next Briefing Will Be:
Saturday 8:15 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