

IMPACTS FOR **D8** (through next 5 days)

Winds – **High**

Storm Surge – **Moderate**

Rainfall/Flash Flooding – **Moderate** to **High**

Tornadoes – **Low** to **Moderate**

Waves – **Moderate** to **High**

# TROPICAL STORMS LAURA & MARCO BRIEFING

11:00 AM CDT

Saturday, August 22, 2020

Prepared by:

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*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



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# Situation Overview

## Tropical Storms Marco and Laura



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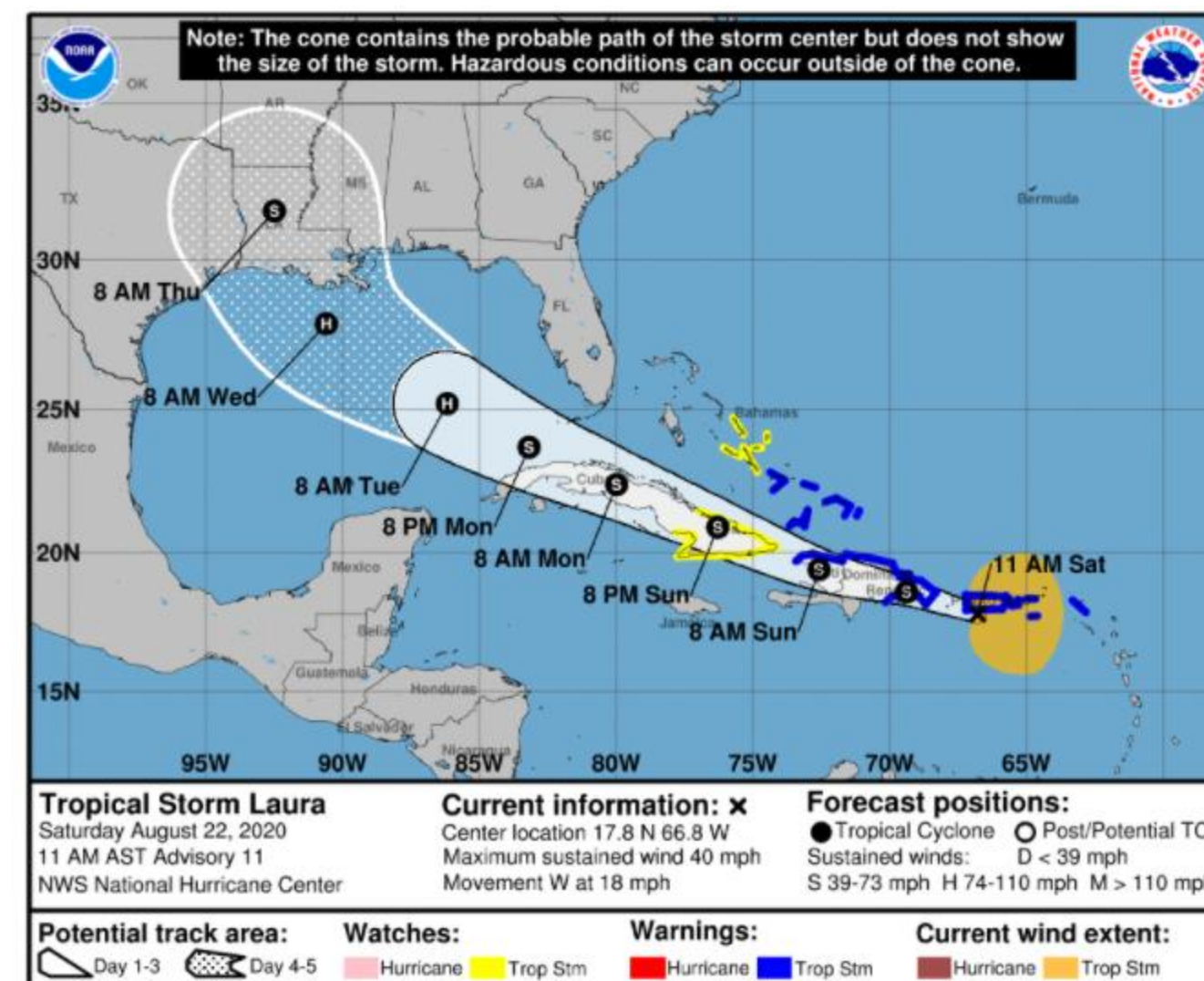
•Two tropical cyclones in the Gulf of Mexico a day apart

•Rare event:

• Sep 2002

• Jun 1959

• Sep 1933





# Situation Overview

## Tropical Storm Marco



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Marco is forecast to strengthen thru early Mon
- Weakening is forecast as the system approaches the northwestern Gulf coast thru Tuesday.
- It is still too soon to know exactly the location and magnitude of impacts the system will produce along the central or northwestern Gulf Coast

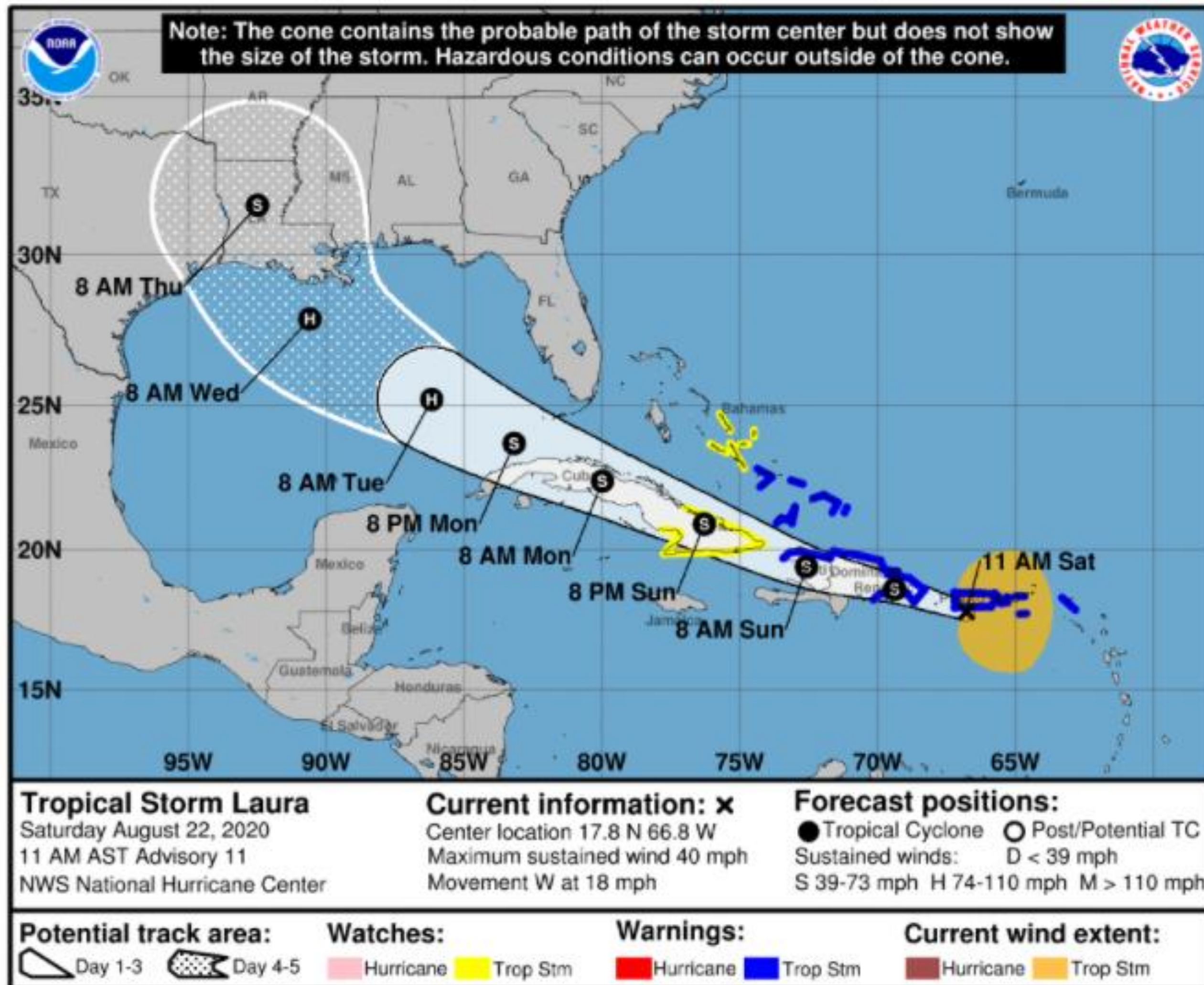


# Situation Overview

## Tropical Storm Laura



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NWS National Hurricane Center



- Gradual strengthening is expected
- But much will depend on exact track as it moves over or near high terrain of Hispaniola and Cuba
- Somewhat favorable environment in Gulf early in the week

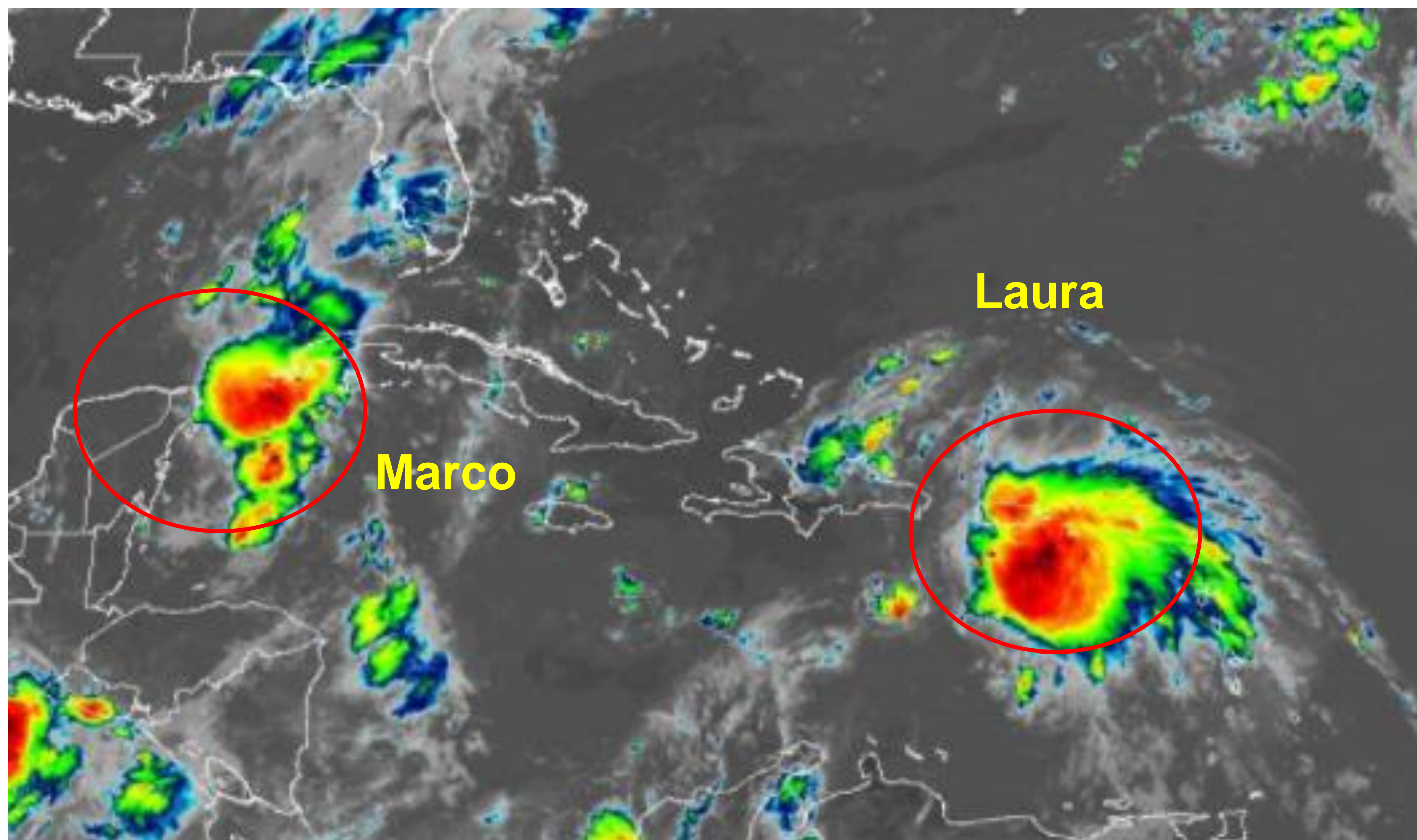


# Current Satellite View

Tropical Storms Marco and Laura



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## MARCO:

- LOCATION...20.9N 85.3W ABOUT 150 NM ENE OF COZUMEL, MEXICO
- MAXIMUM SUSTAINED WINDS...55 KT
- PRESENT MOVEMENT...NNW OR 340 DEGREES AT 10 KT
- MINIMUM CENTRAL PRESSURE...992 MB...29.30 INCHES

## LAURA:

- LOCATION...17.8N 66.8W ABOUT 20 NM SW OF PONCE PUERTO RICO
- MAXIMUM SUSTAINED WINDS...35 KT
- PRESENT MOVEMENT...W OR 280 DEGREES AT 16 KT
- MINIMUM CENTRAL PRESSURE...1006 MB...29.71 INCHES



# Earliest Reasonable Time of Arrival

Tropical Storm Marco



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Entering south central Gulf this evening
- Earliest potential for TS winds late Sun into early Mon from Mobile Bay to Houston.
- 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%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%

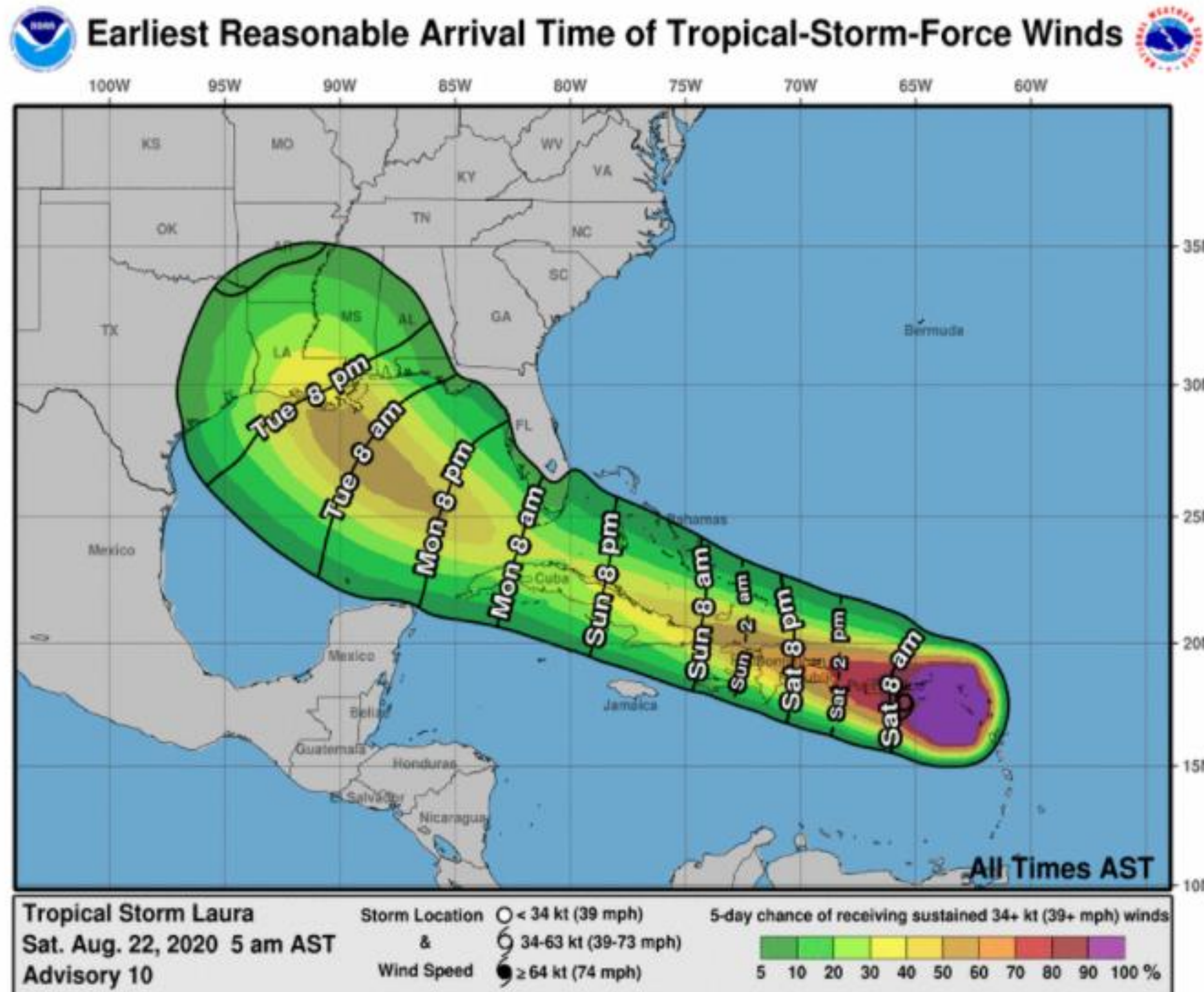


# Earliest Reasonable Time of Arrival

## Tropical Storm Laura



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Eastern Cuba, Turks/Caicos, southern Bahamas by early Sun
- Straits of Florida, South Florida by early Mon
- Likely near Louisiana by Tue – **a day after Marco**
- 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%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%

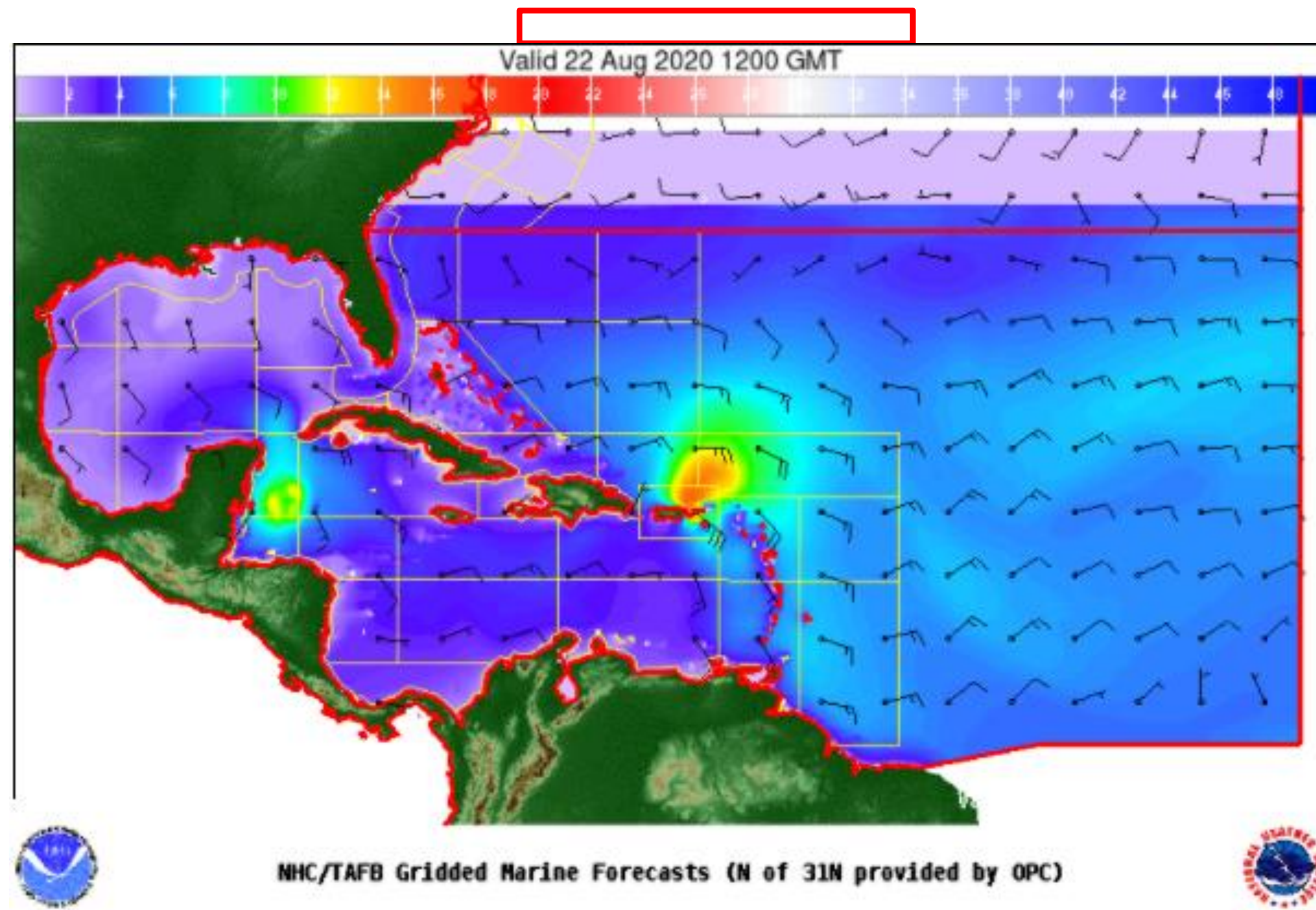


# Wind And Waves

Tropical Storms Marco and Laura



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## Current Conditions

Saturday, 12 am CDT, August 22, 2020

Marco:

Peak Winds: 55 kt

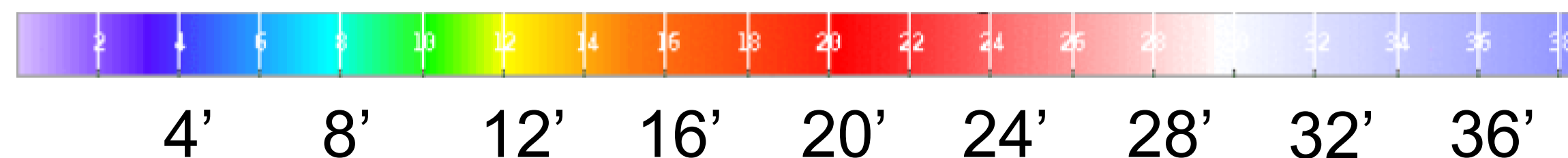
Peak Seas: 12 ft

Laura:

Peak Winds: 35 kt

Peak Seas: 17 ft

- Wave heights are in feet



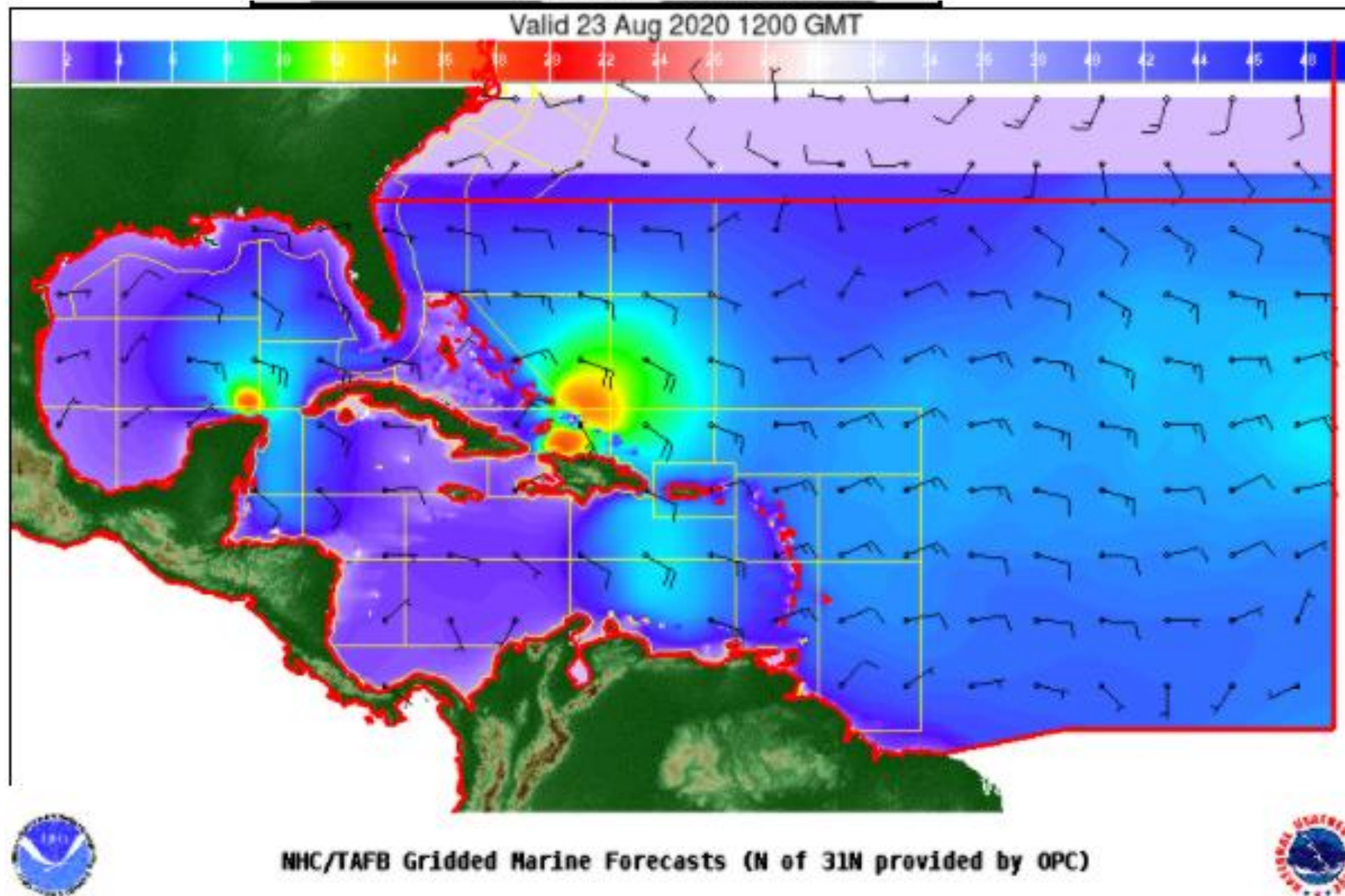


# Wind And Waves

Tropical Storms Marco and Laura



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NWS National Hurricane Center



24 Hour Forecast

Sunday, 7 am CDT, August 23, 2020

Marco:

Peak Winds: 75 kt (hurricane)

Peak Seas: 17 ft

Laura:

Peak Winds: 40 kt

Peak Seas: 17 ft

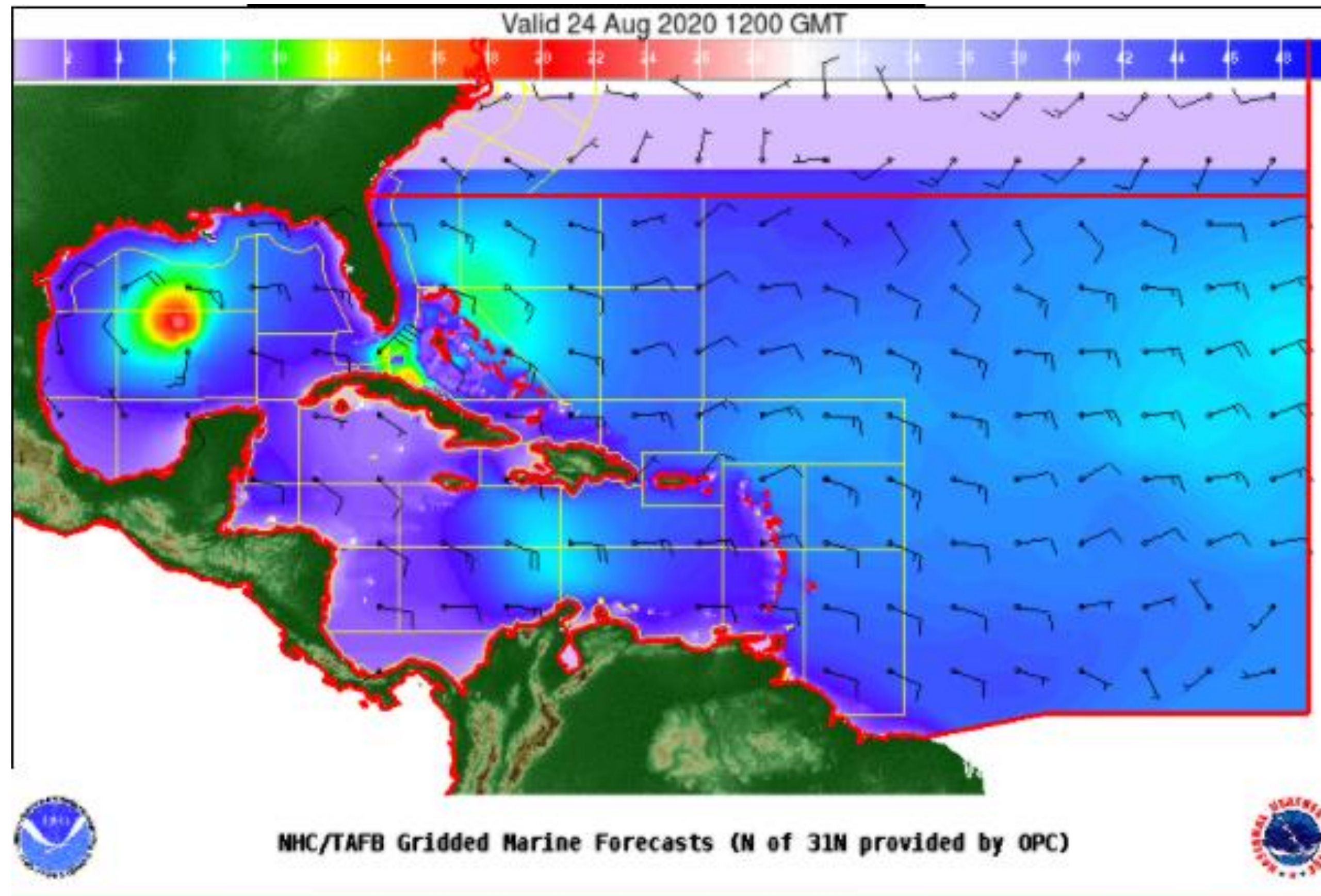


# Wind And Waves

Tropical Storms Marco and Laura



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NWS National Hurricane Center



- Wave heights are in feet

48 Hour Forecast

Monday, 7 am CDT, August 24, 2020

Marco

Peak Winds: 70 kt

Peak Seas: 25 ft

Laura

Peak Winds: 45 kt

Peak Seas: 14 ft

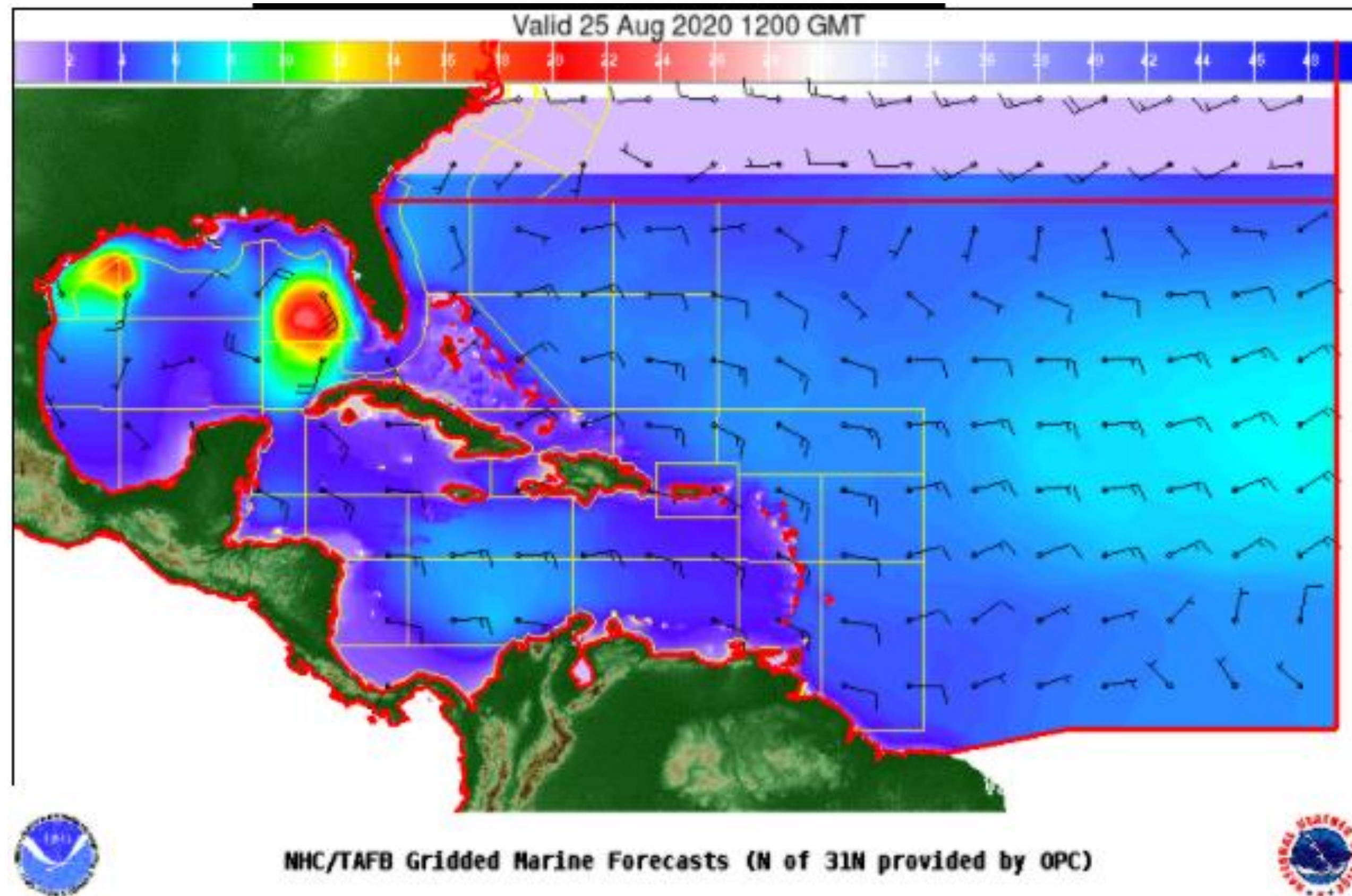


# Wind And Waves

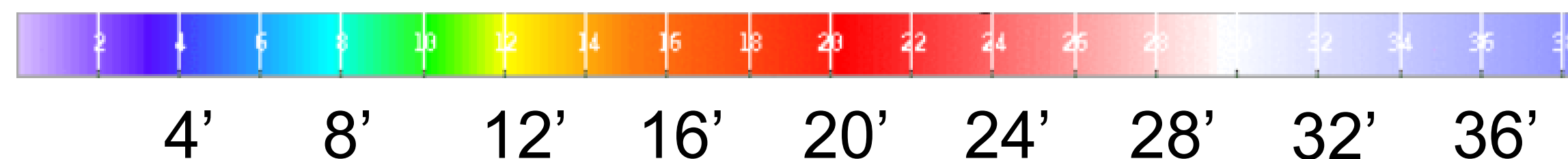
Tropical Storms Marco and Laura



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Wave heights are in feet



72 Hour Forecast

Tuesday, 7 am CDT, August 25, 2020

Marco

Peak Winds: 60 kt

Peak Seas: 20 ft

Laura

Peak Winds: 65 kt (hurricane)

Peak Seas: 24

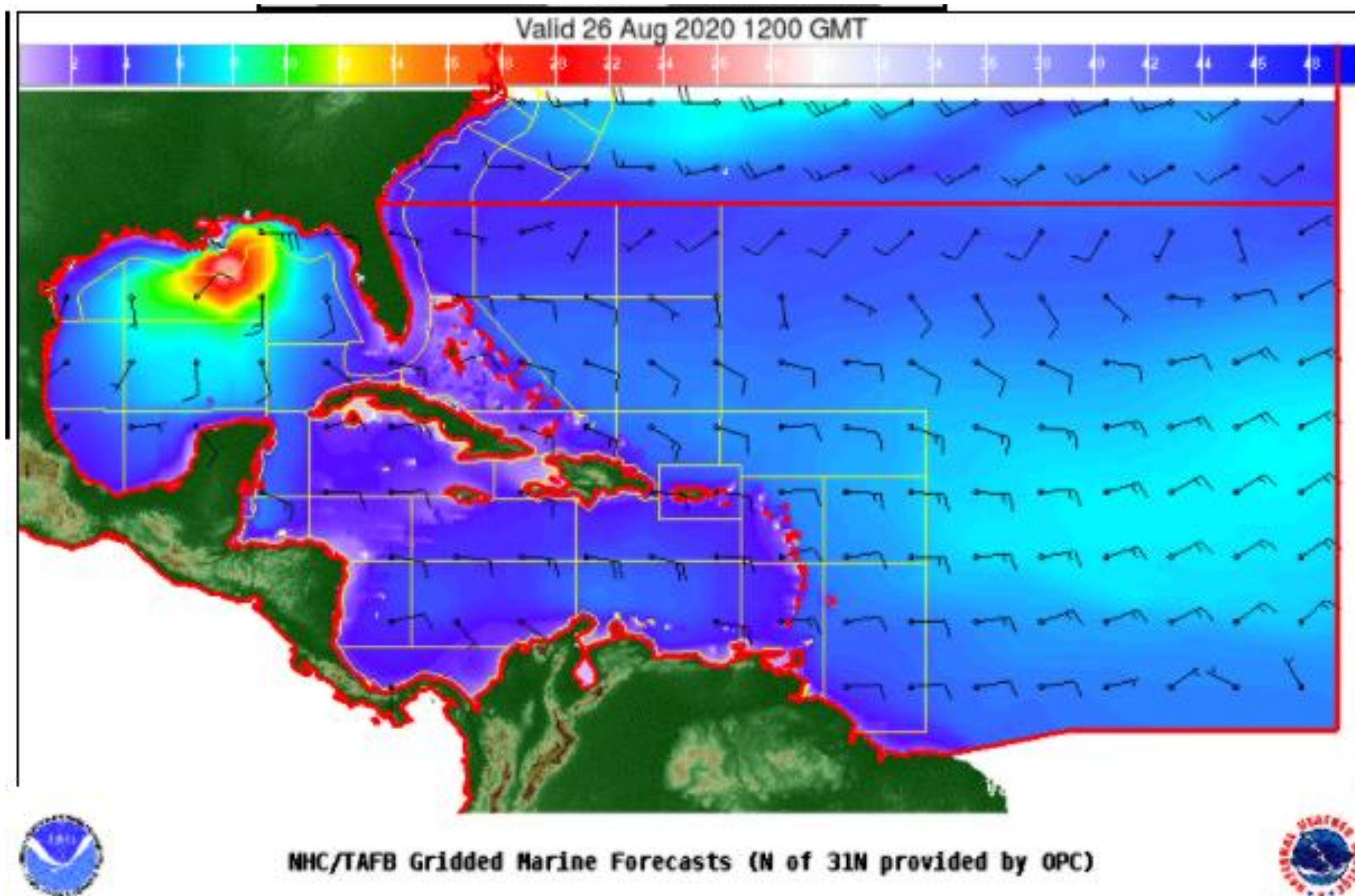


# Wind And Waves

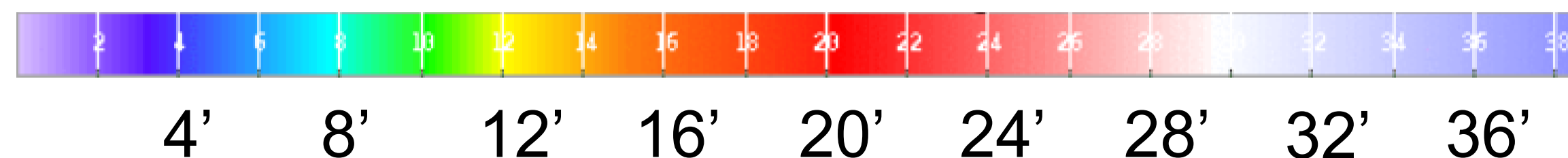
Tropical Storms Marco and Laura



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Wave heights are in feet



96 Hour Forecast

Wednesday, 7 am CDT, August 26, 2020

Laura

Peak Winds: 75 kt

Peak Seas: 26 ft

NOTE...FOR 96 HOUR FORECAST, ERRORS FOR TRACK  
HAVE AVERAGED NEAR 150 NM AND FOR INTENSITY  
NEAR 15 KT

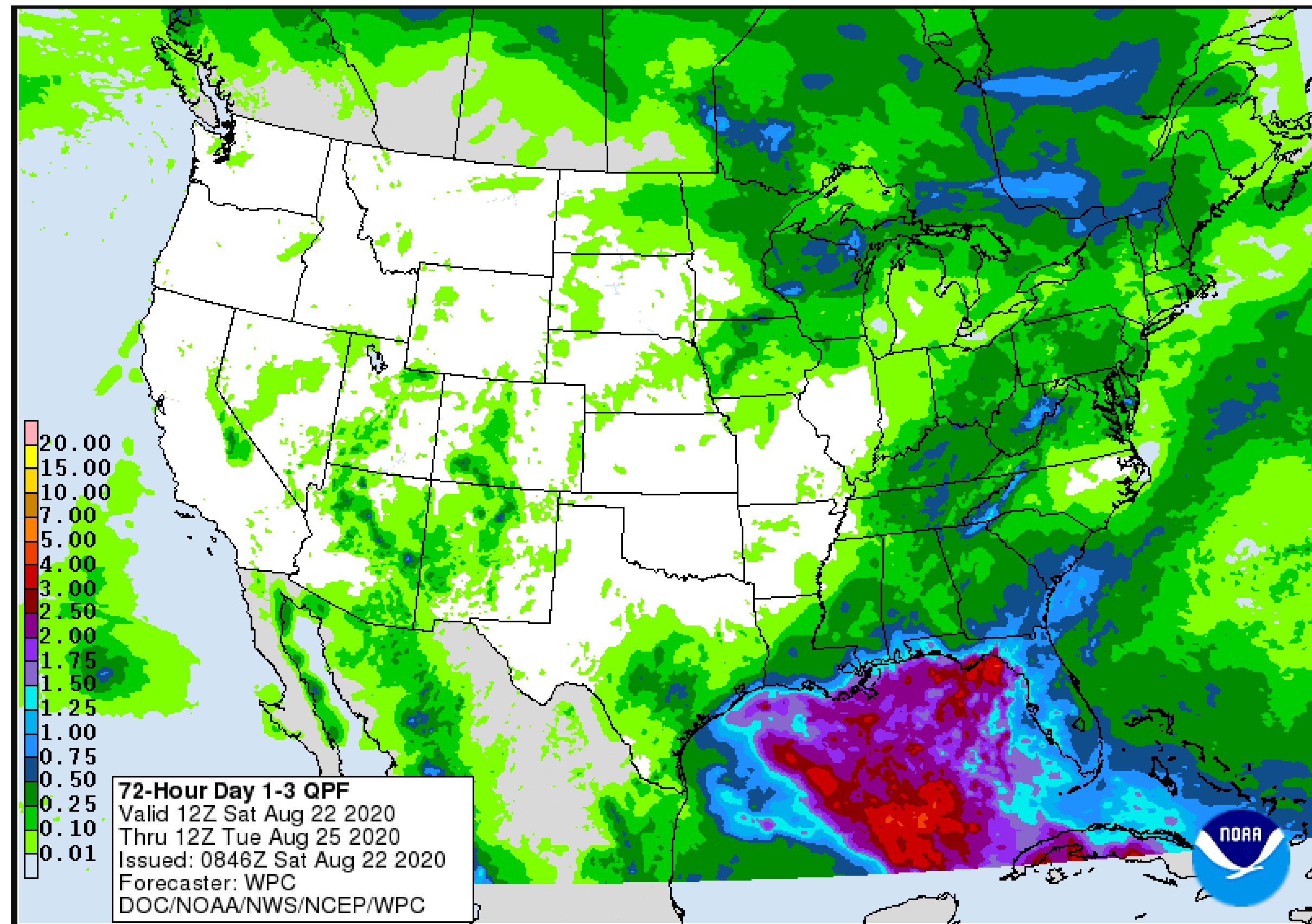


# Expected Storm Total Rainfall

Tropical Storms Marco and Laura



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NWS National Hurricane Center



- Total rainfall in inches through early Tuesday.
- Biggest impacts are in the Florida Panhandle and southeast Louisiana
- Looking ahead, potential for heavy rainfall for Louisiana and north Texas coast by mid week.





# TROPICAL STORMS MARCO AND LAURA BRIEFING

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

*You can always find get the latest graphics and information for this storm at*



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