

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:
Eric Christensen

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



Situation Overview

Tropical Storms Marco and Laura



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NWS National Hurricane Center



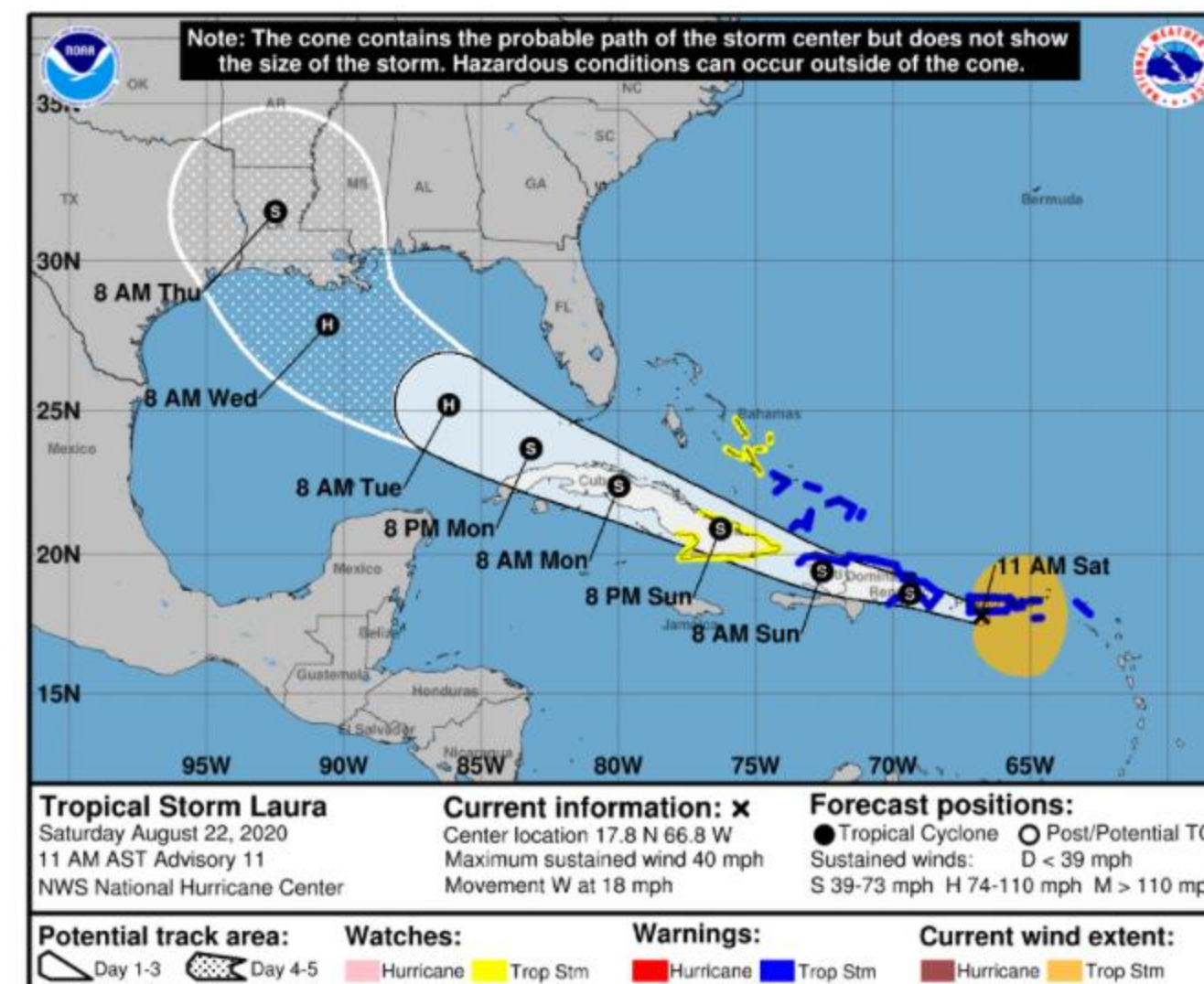
•Two tropical cyclones in the Gulf of Mexico a day apart

•Rare event:

• Sep 2002

• Jun 1959

• Sep 1933



Situation Overview

Tropical Storm Marco



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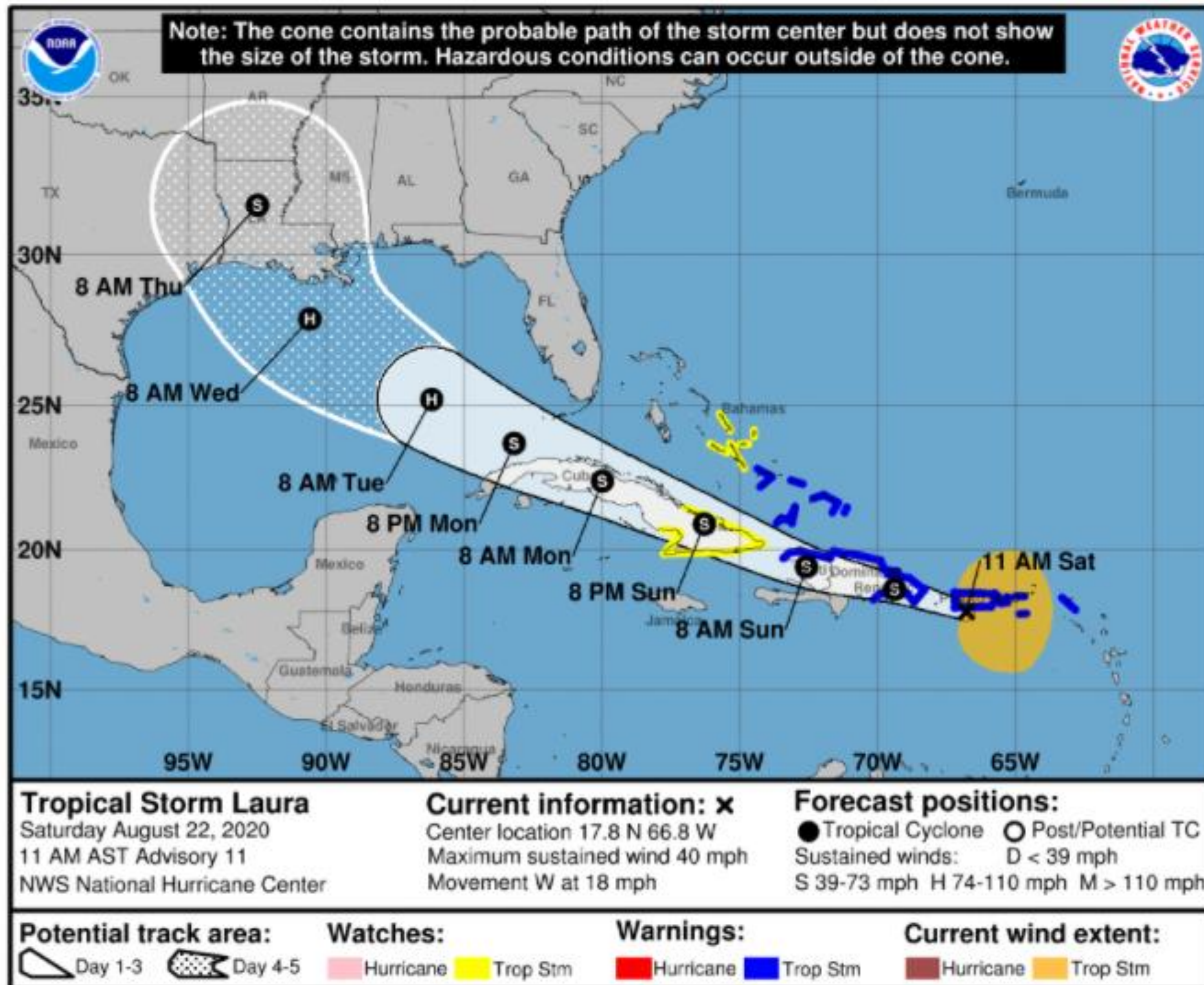
- Marco is forecast to strengthen thru early Mon
- Weakening is forecast as the system approaches the northwestern Gulf coast thru Tuesday.
- It is still too soon to know exactly the location and magnitude of impacts the system will produce along the central or northwestern Gulf Coast

Situation Overview

Tropical Storm Laura



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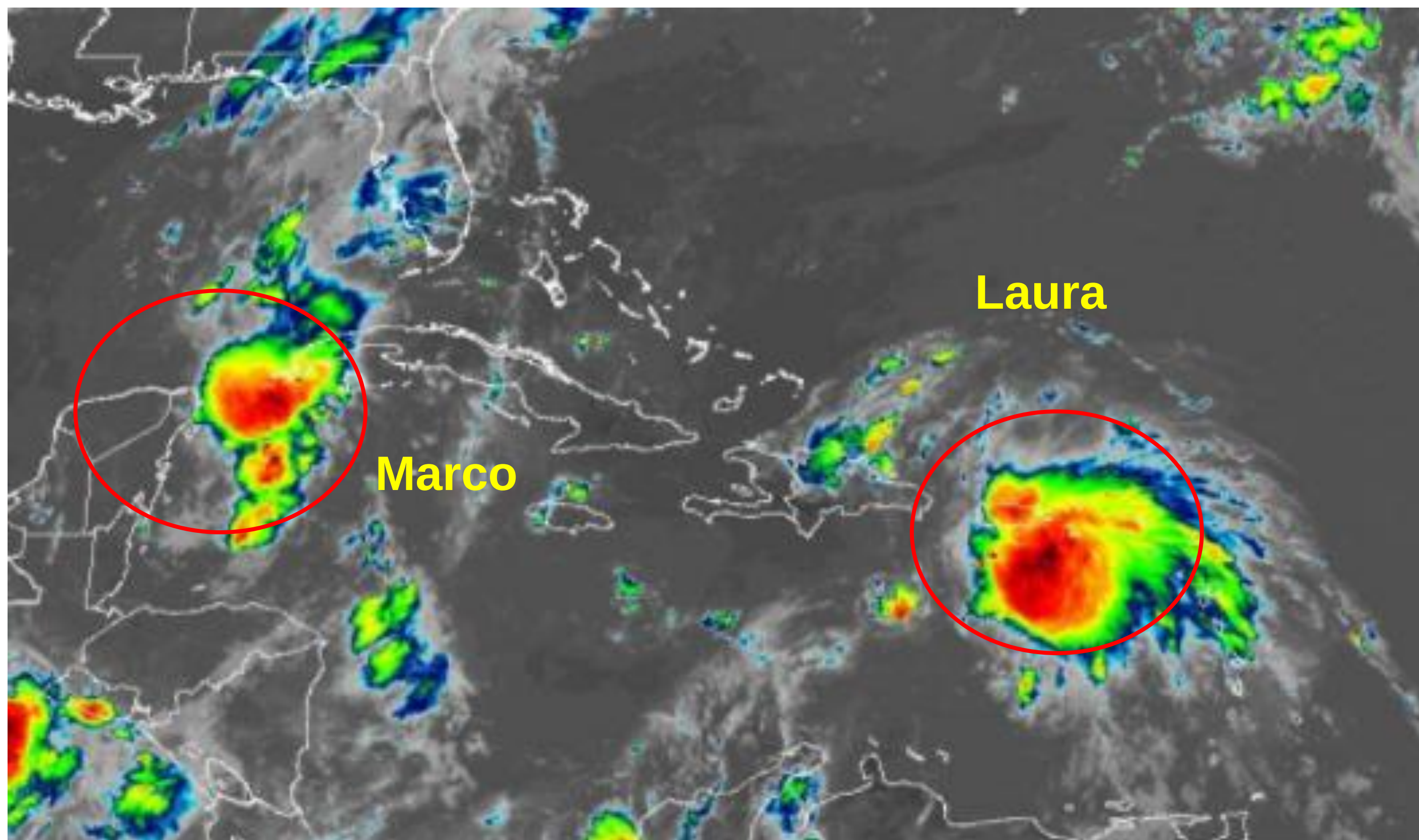
- Gradual strengthening is expected
- But much will depend on exact track as it moves over or near high terrain of Hispaniola and Cuba
- Somewhat favorable environment in Gulf early in the week

Current Satellite View

Tropical Storms Marco and Laura



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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:

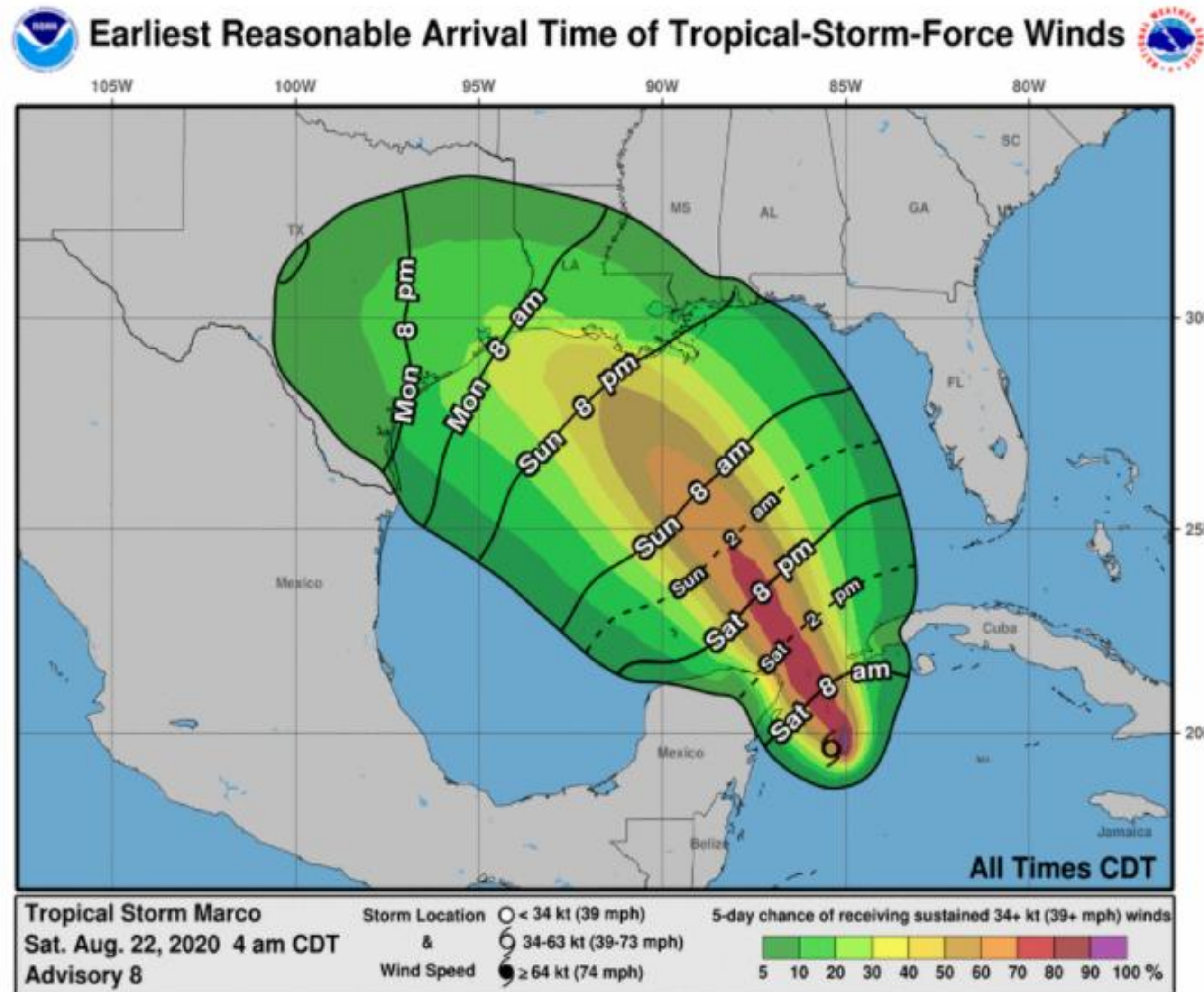
- LOCATION...17.8N 66.8W ABOUT 20 NM SW OF PONCE PUERTO RICO
- MAXIMUM SUSTAINED WINDS...35 KT
- PRESENT MOVEMENT...W OR 280 DEGREES AT 16 KT
- MINIMUM CENTRAL PRESSURE...1006 MB...29.71 INCHES

Earliest Reasonable Time of Arrival

Tropical Storm Marco



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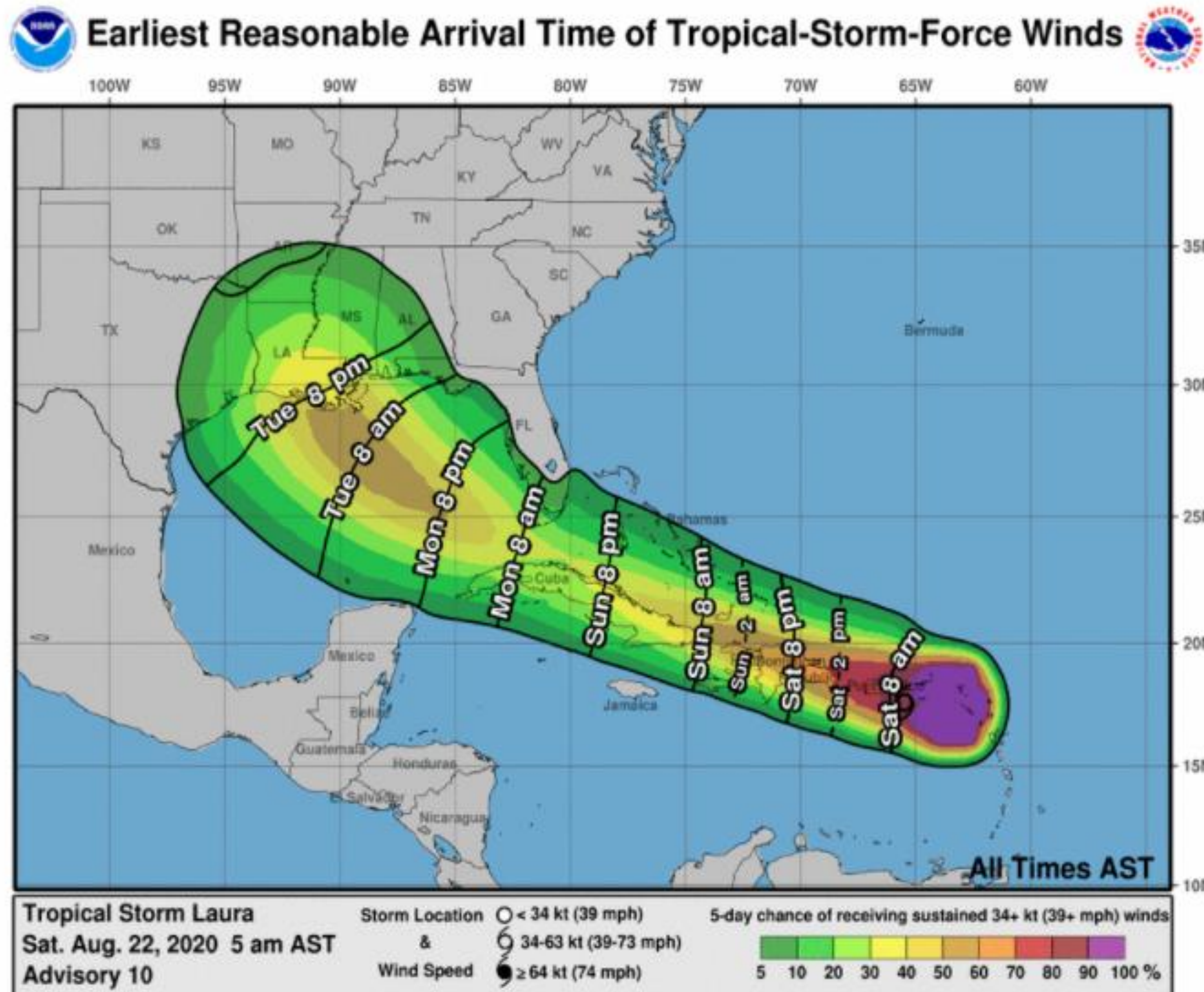
- Entering south central Gulf this evening
- Earliest potential for TS winds late Sun into early Mon from Mobile Bay to Houston.
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are 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



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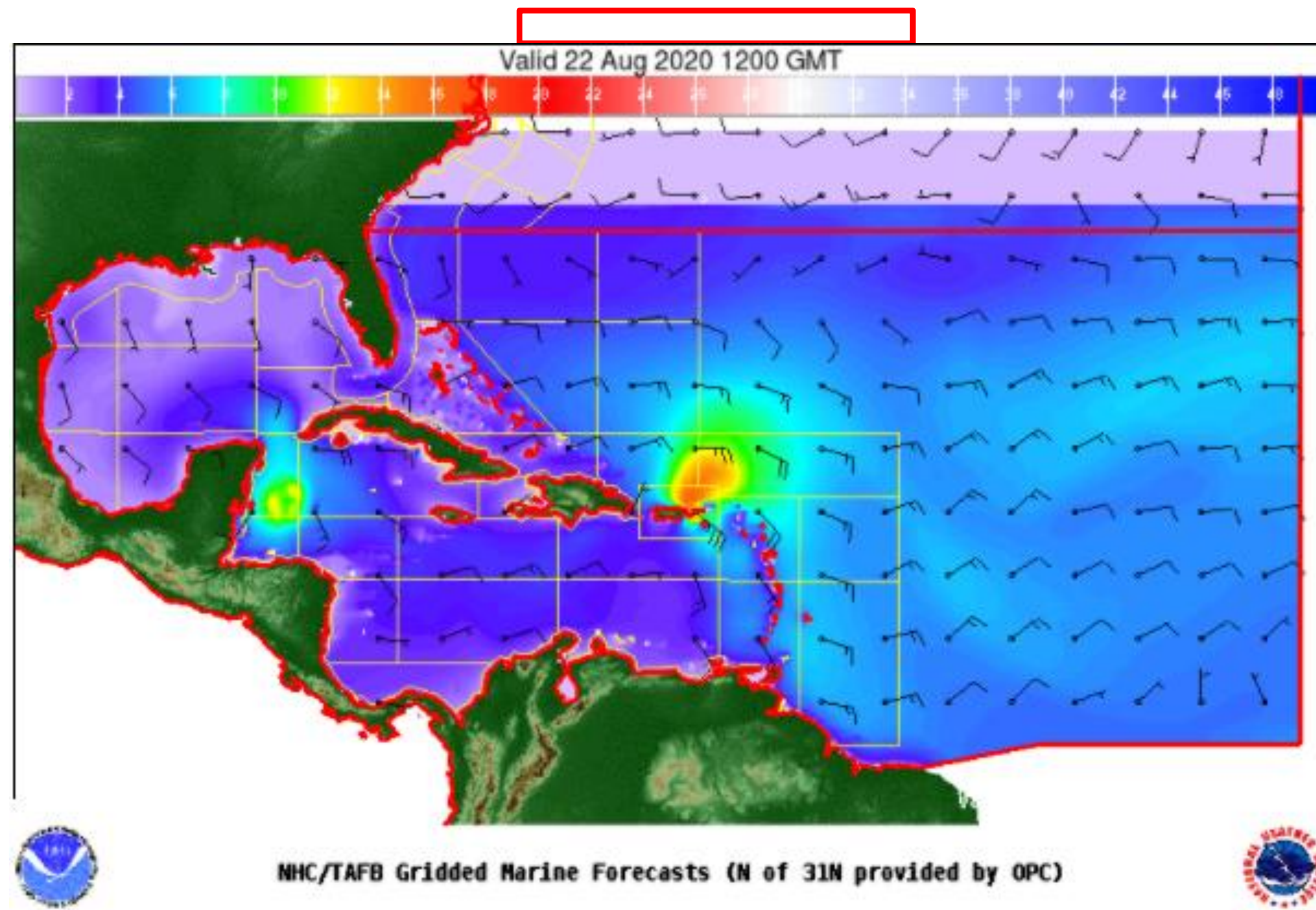
- Eastern Cuba, Turks/Caicos, southern Bahamas by early Sun
- Straits of Florida, South Florida by early Mon
- Likely near Louisiana by Tue – **a day after Marco**
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and 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



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Current Conditions

Saturday, 12 am CDT, August 22, 2020

Marco:

Peak Winds: 55 kt

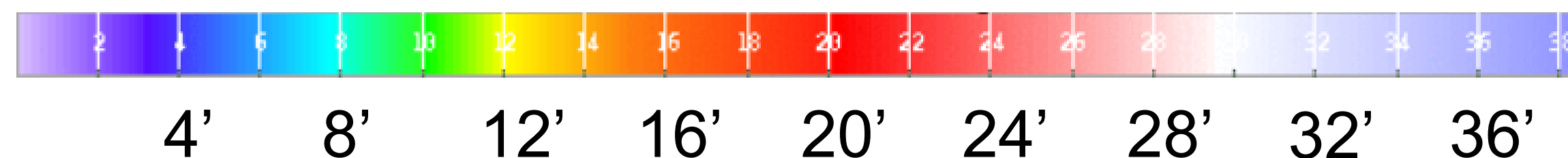
Peak Seas: 12 ft

Laura:

Peak Winds: 35 kt

Peak Seas: 17 ft

- Wave heights are in feet

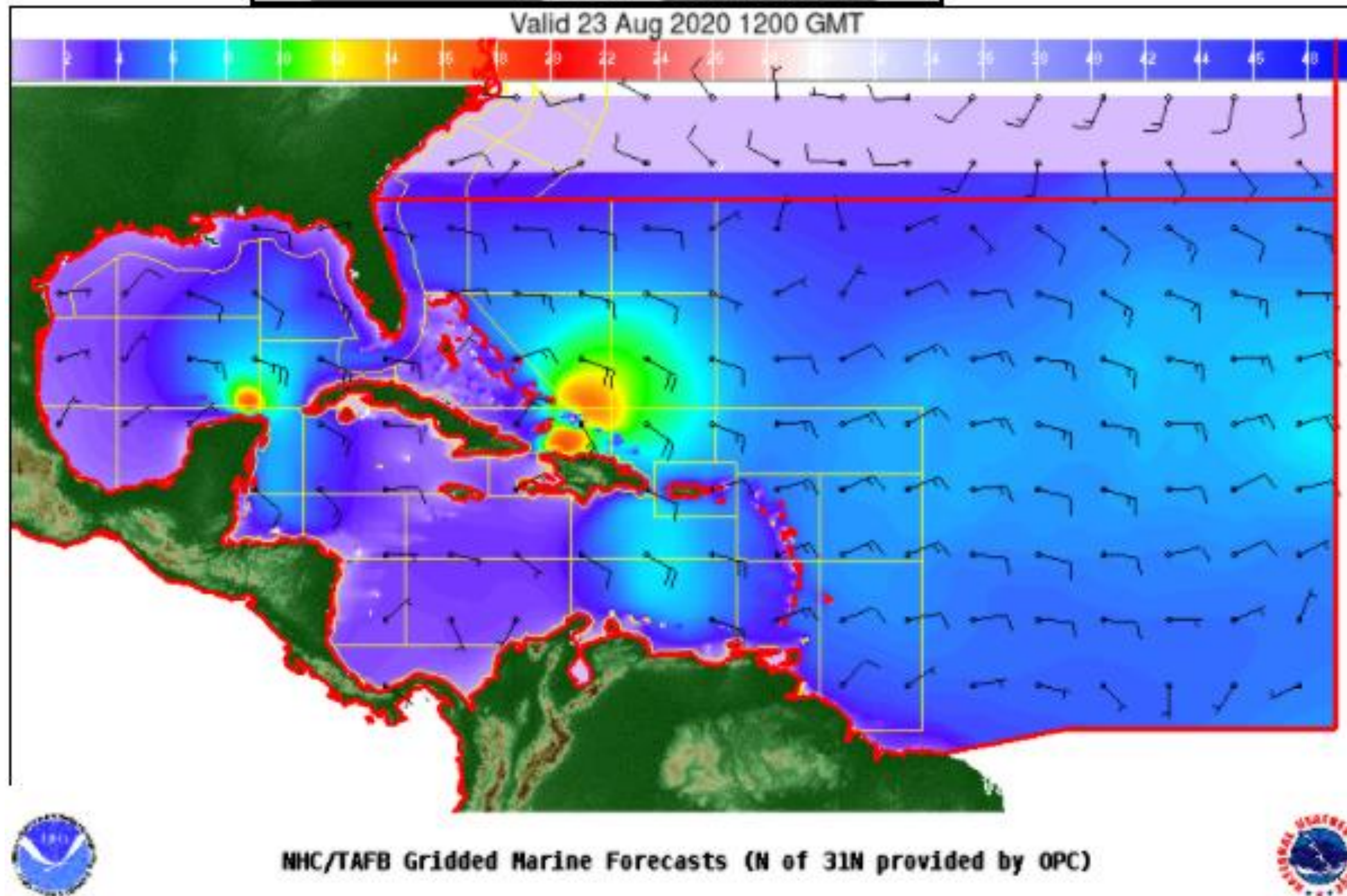


Wind And Waves

Tropical Storms Marco and Laura



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24 Hour Forecast

Sunday, 7 am CDT, August 23, 2020

Marco:

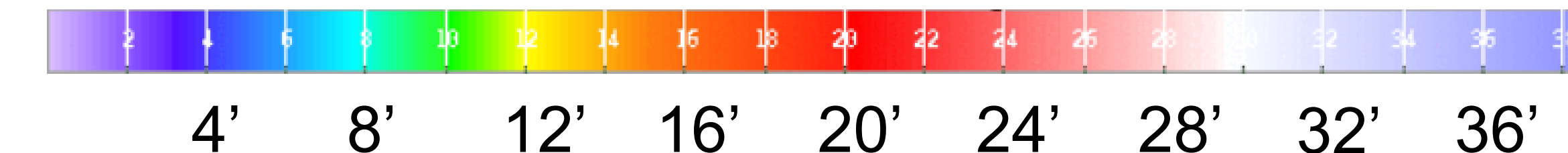
Peak Winds: 75 kt (hurricane)

Peak Seas: 17 ft

Laura:

Peak Winds: 40 kt

Peak Seas: 17 ft

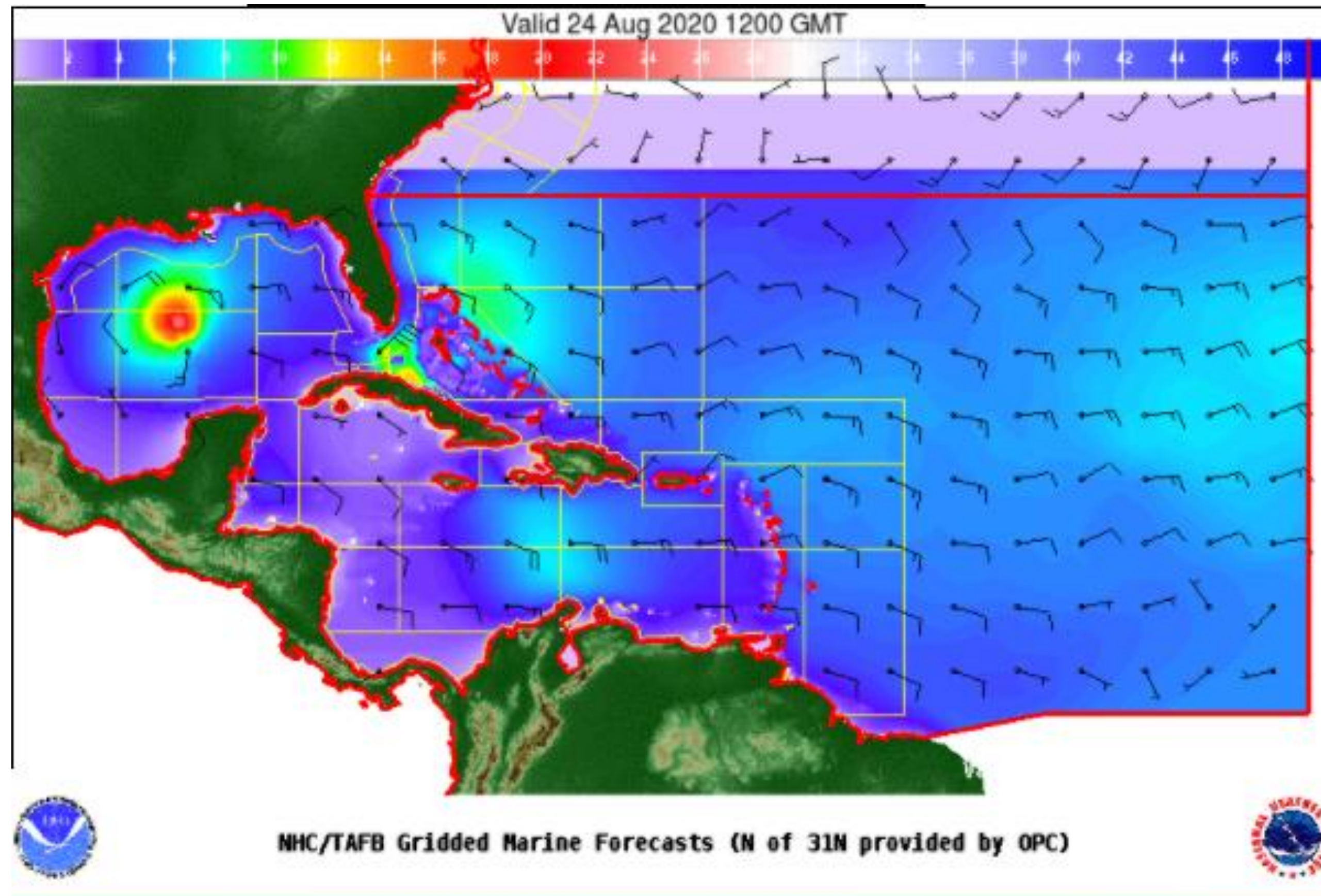


Wind And Waves

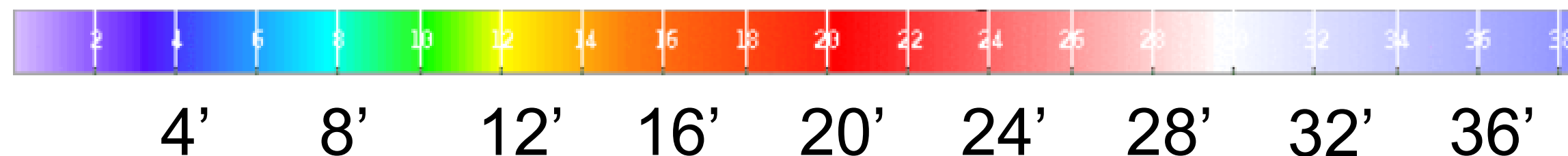
Tropical Storms Marco and Laura



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- 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

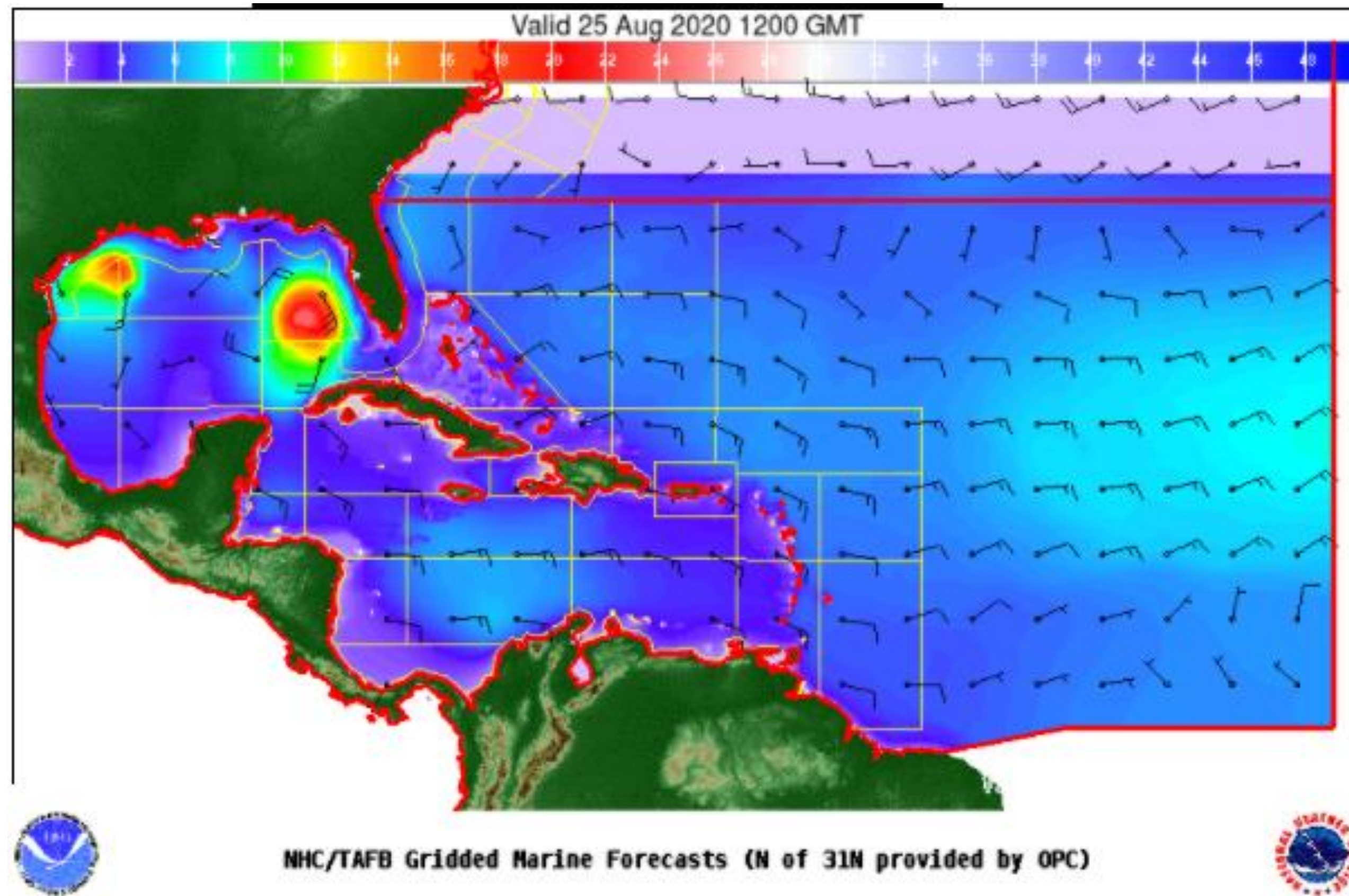
Peak Seas: 14 ft

Wind And Waves

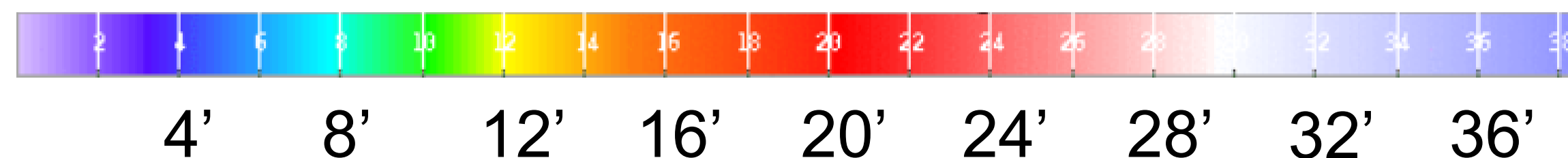
Tropical Storms Marco and Laura



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- 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)

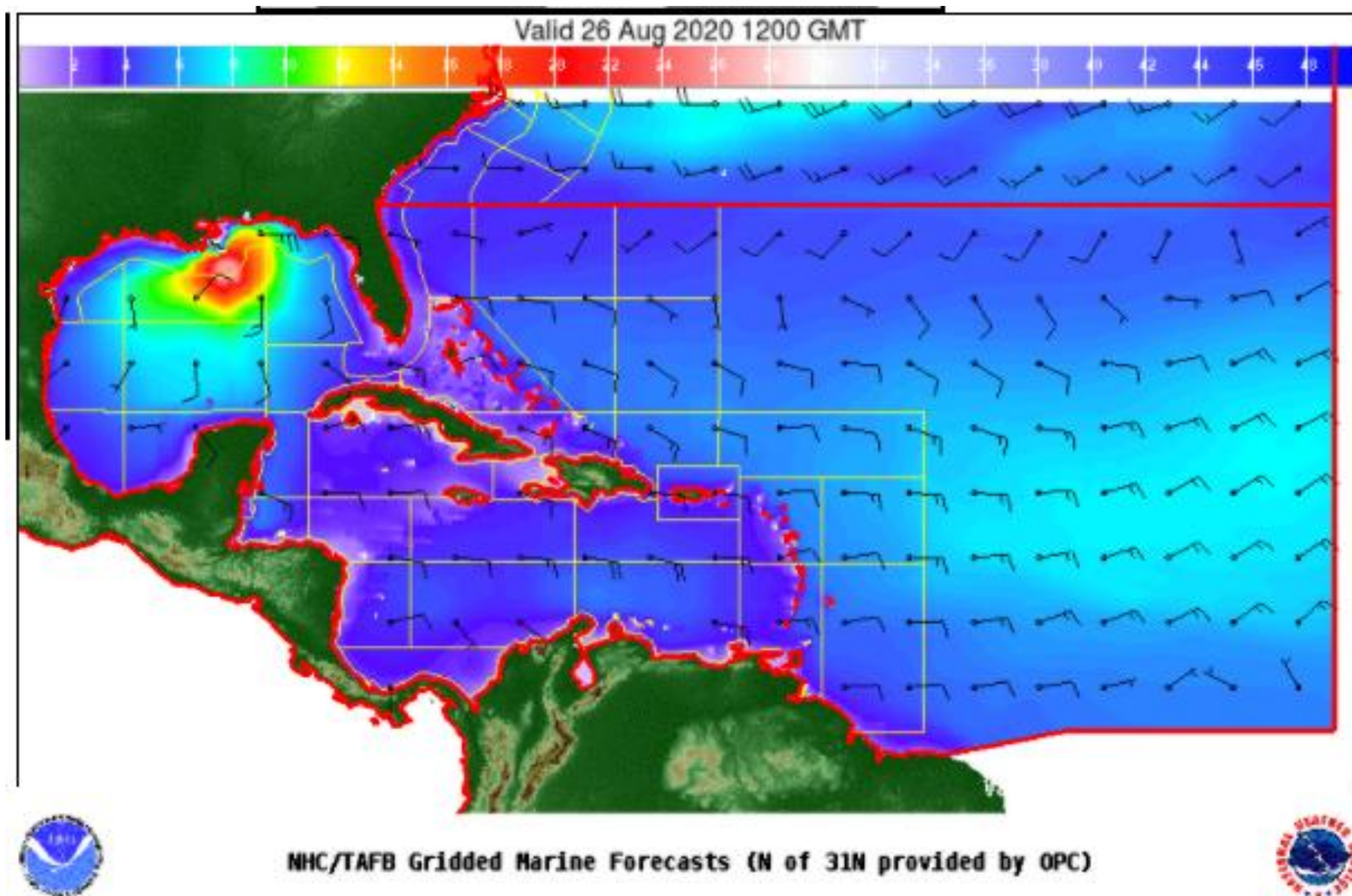
Peak Seas: 24

Wind And Waves

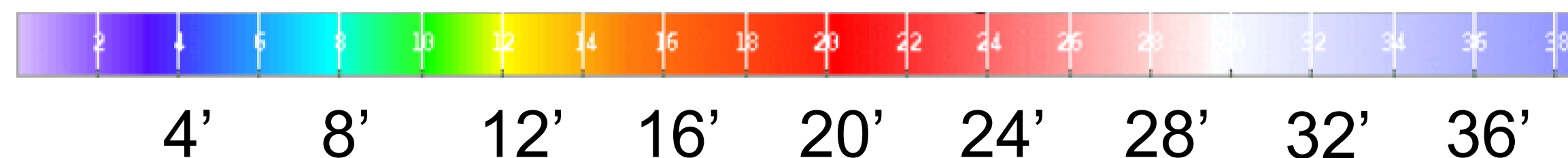
Tropical Storms Marco and Laura



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- Wave heights are in feet



96 Hour Forecast

Wednesday, 7 am CDT, August 26, 2020

Laura

Peak Winds: 75 kt

Peak Seas: 26 ft

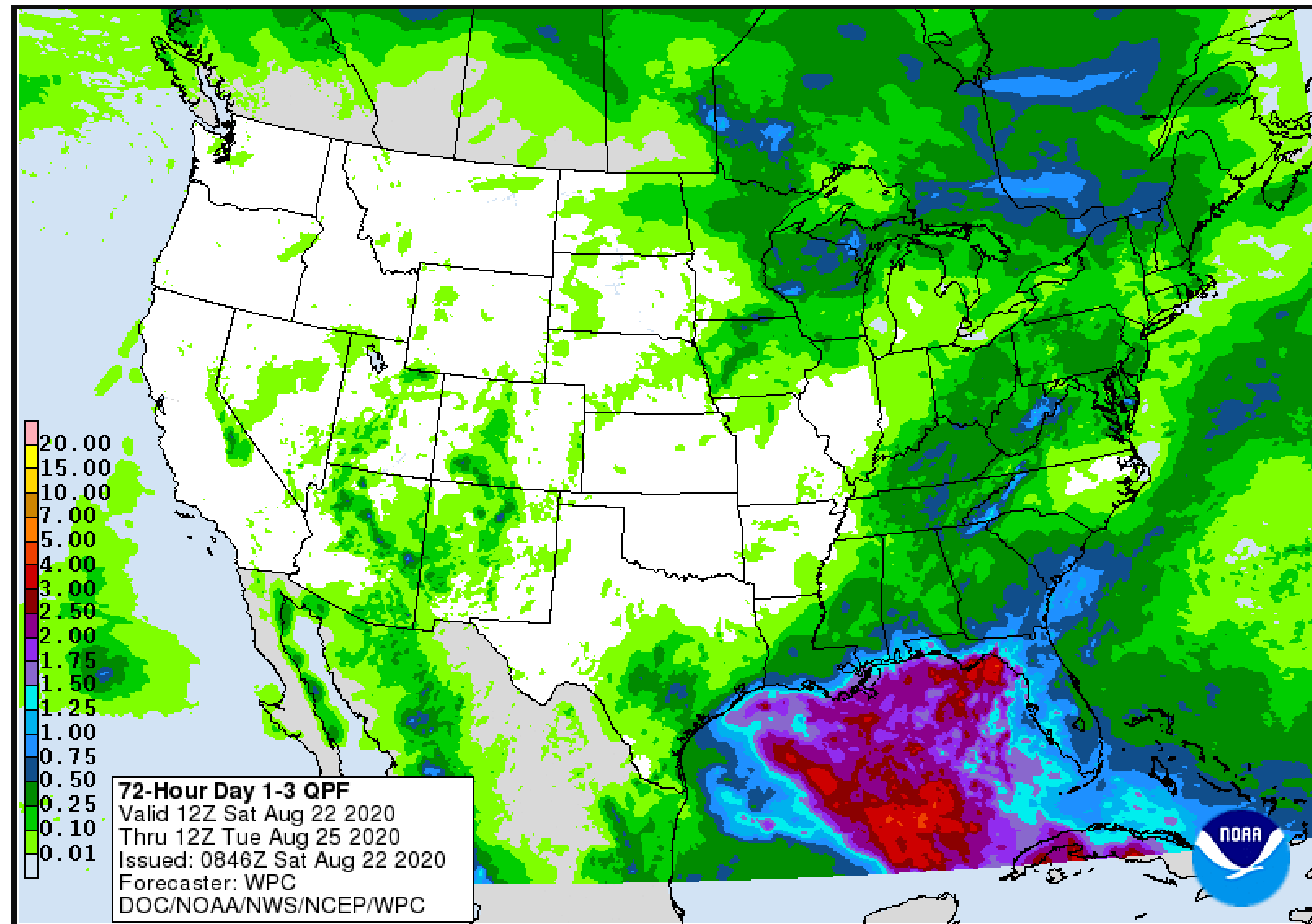
NOTE...FOR 96 HOUR FORECAST, ERRORS FOR TRACK
HAVE AVERAGED NEAR 150 NM AND FOR INTENSITY
NEAR 15 KT

Expected Storm Total Rainfall

Tropical Storms Marco and Laura



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- 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



NHC_TAFB

www.nhc.noaa.gov