

IMPACTS FOR **D7**

Winds – **Low**

Storm Surge – **Low**

Rainfall/Flash Flooding - **Low**

Tornadoes – **Low**

Waves - **Medium**

TROPICAL STORM LAURA BRIEFING



3:00 PM EDT
Sunday, August 23, 2020

Prepared by:
Maria M. Torres

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

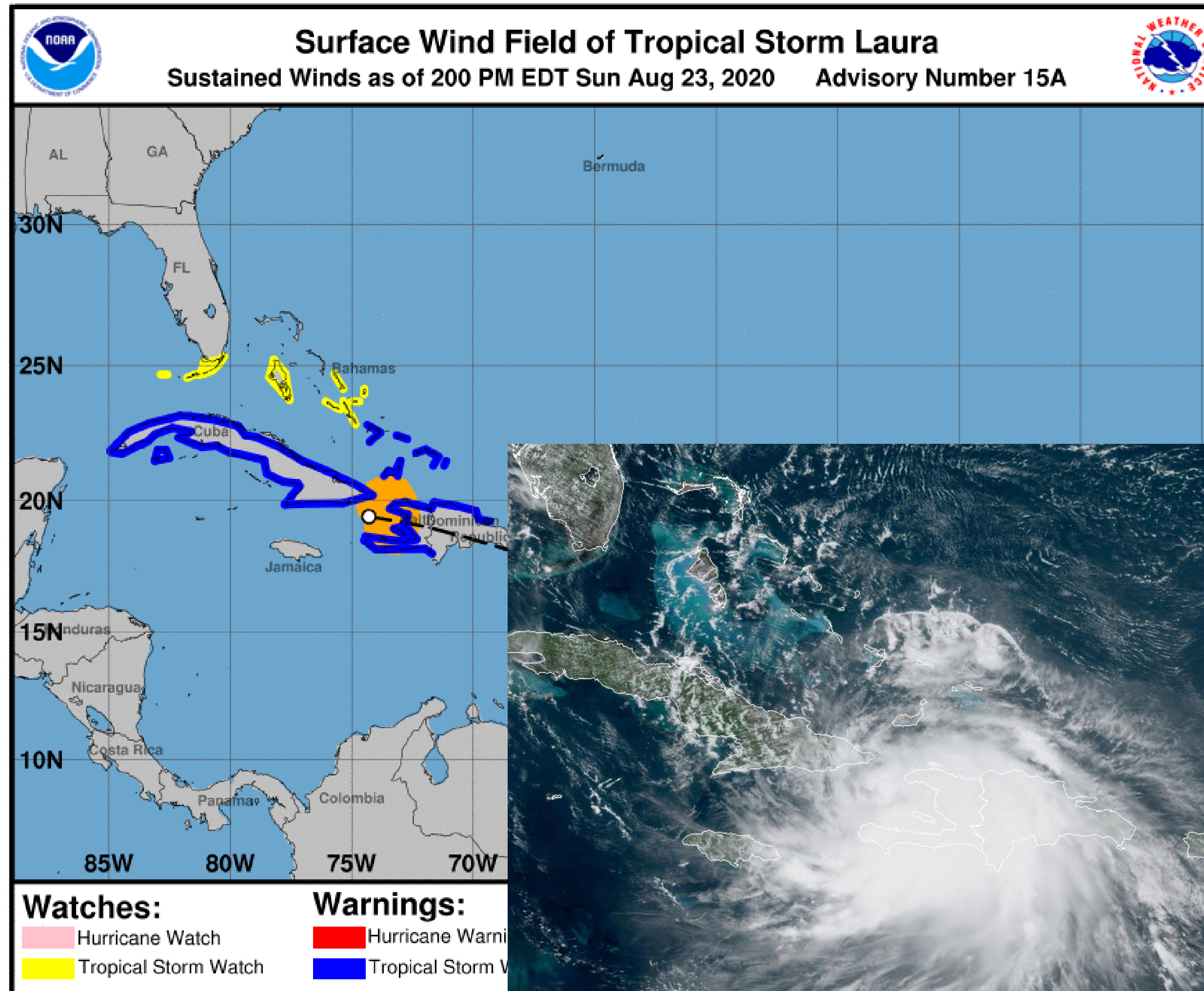
www.nhc.noaa.gov

Situation Overview

Tropical Storm Laura



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NWS National Hurricane Center

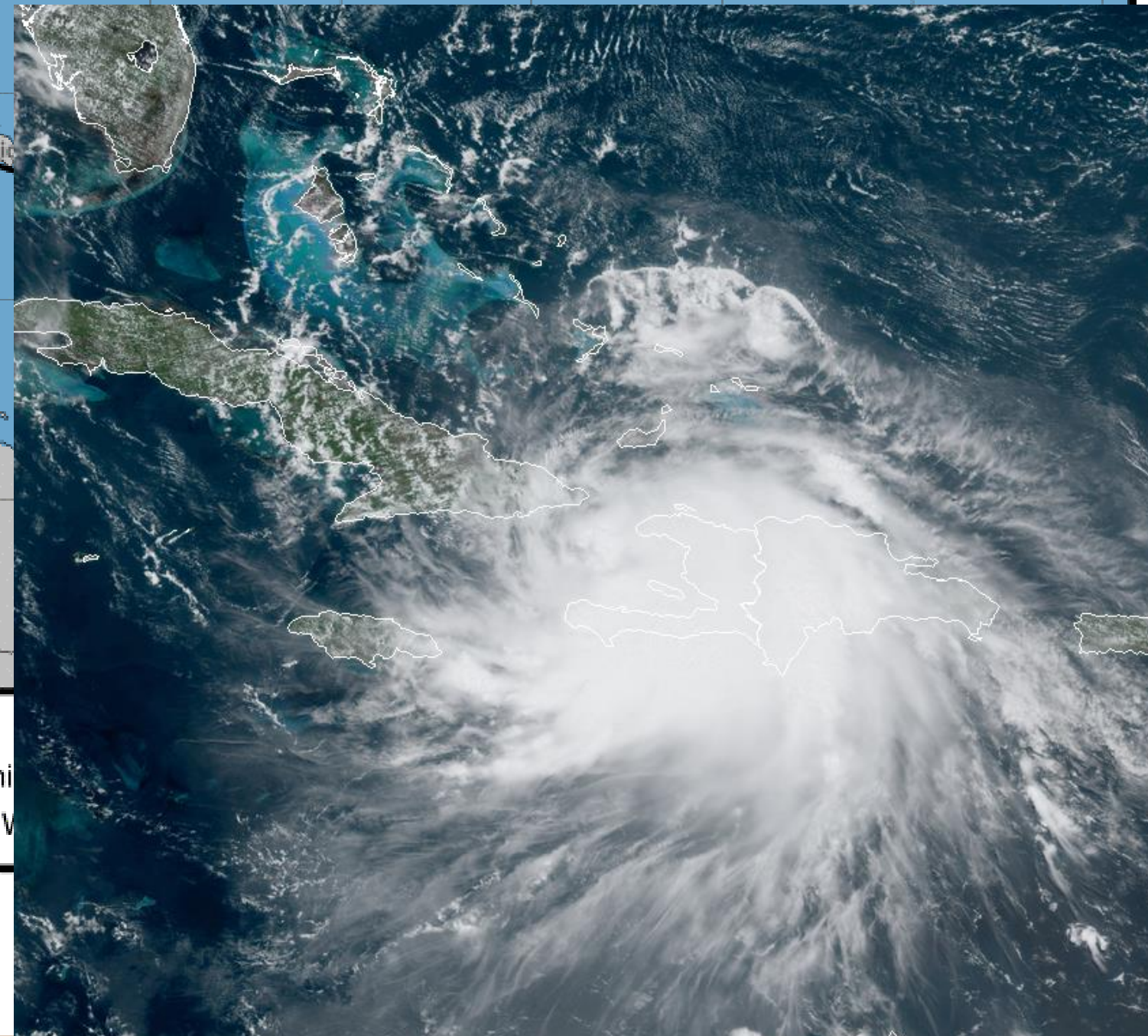


**...LAURA HEADING TOWARD EASTERN CUBA...
...HEAVY RAINFALL AND LIFE-THREATENING
FLASH FLOODING CONTINUES OVER
PORTIONS OF THE DOMINICAN REPUBLIC AND
HAITI...**

SUMMARY OF 200 PM EDT... INFORMATION

LOCATION...19.4N 74.3W
ABOUT 45 NM S OF THE EASTERN TIP OF CUBA
ABOUT 70 NM SE OF GUANTANAMO CUBA
MAXIMUM SUSTAINED WINDS...45 KT
PRESENT MOVEMENT...WNW OR 285 DEGREES
AT 18 KT

34 KT.....120NE 120SE 0SW 40NW.
12 FT SEAS..300NE 0SE 0SW 210NW.
PEAK SEAS: 18 FT

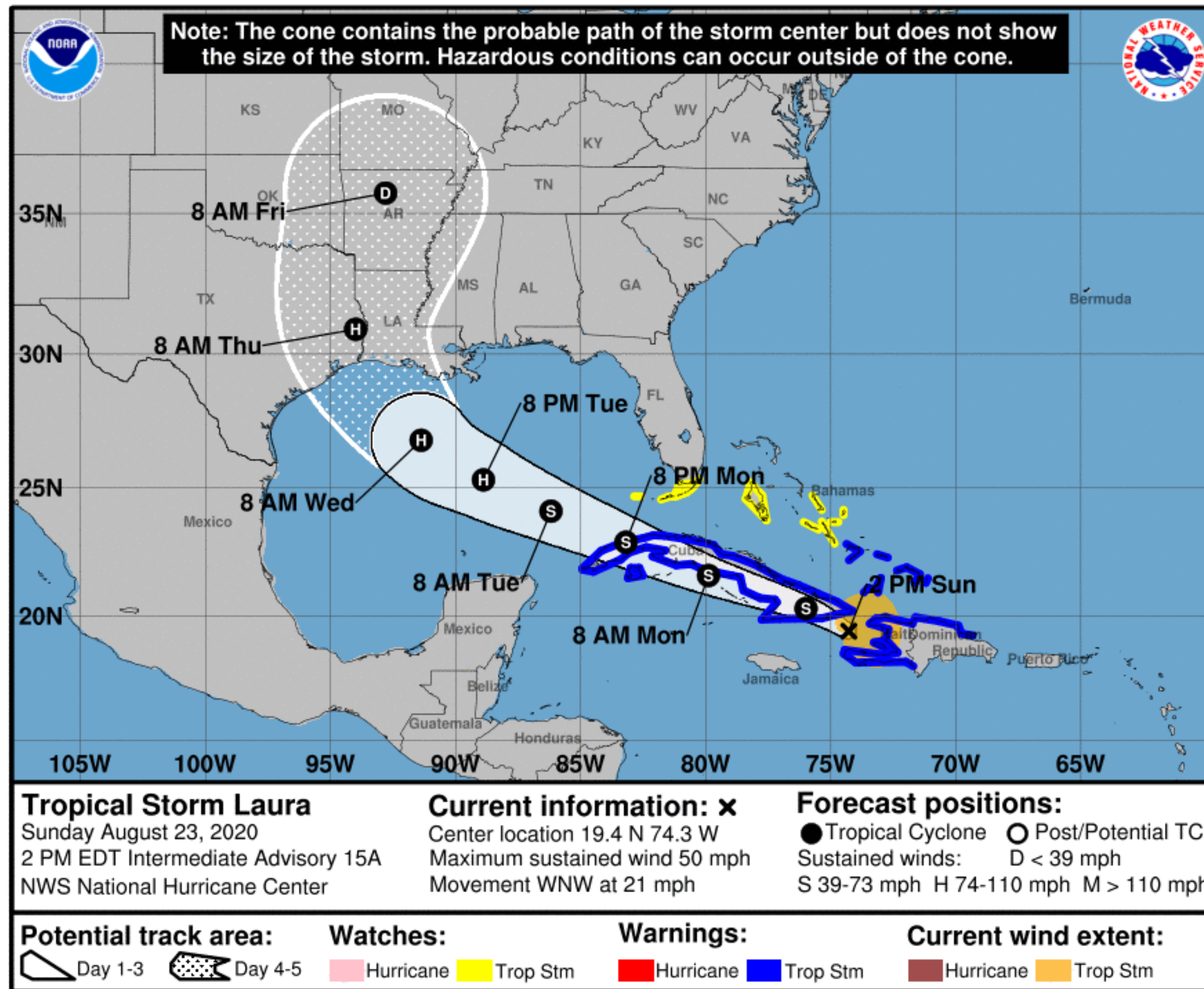


Forecast Information

Tropical Storm Laura



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

- **Laura will continue moving quickly to the WNW for two to three days**
- **The center will pass south of the Florida Keys as a tropical storm**
- **After reaching the Gulf, Laura should intensify to a hurricane**
- 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.

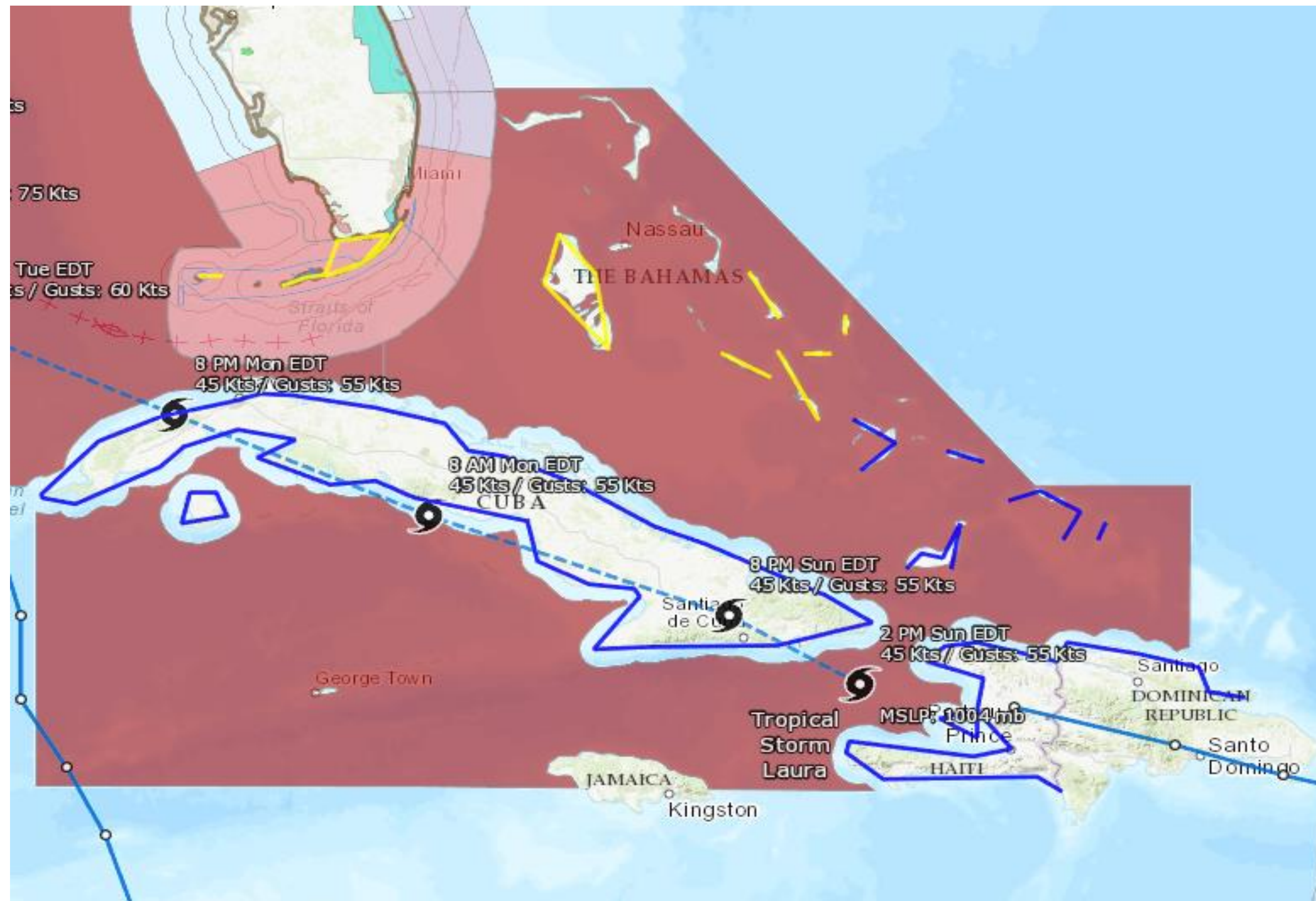
Hazards Map

Tropical Storm Laura



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<https://nowcoast.noaa.gov/>



Watches, Warnings & Advisories
Last Update Time:
Sun, Aug 23 2:01 pm (EDT)

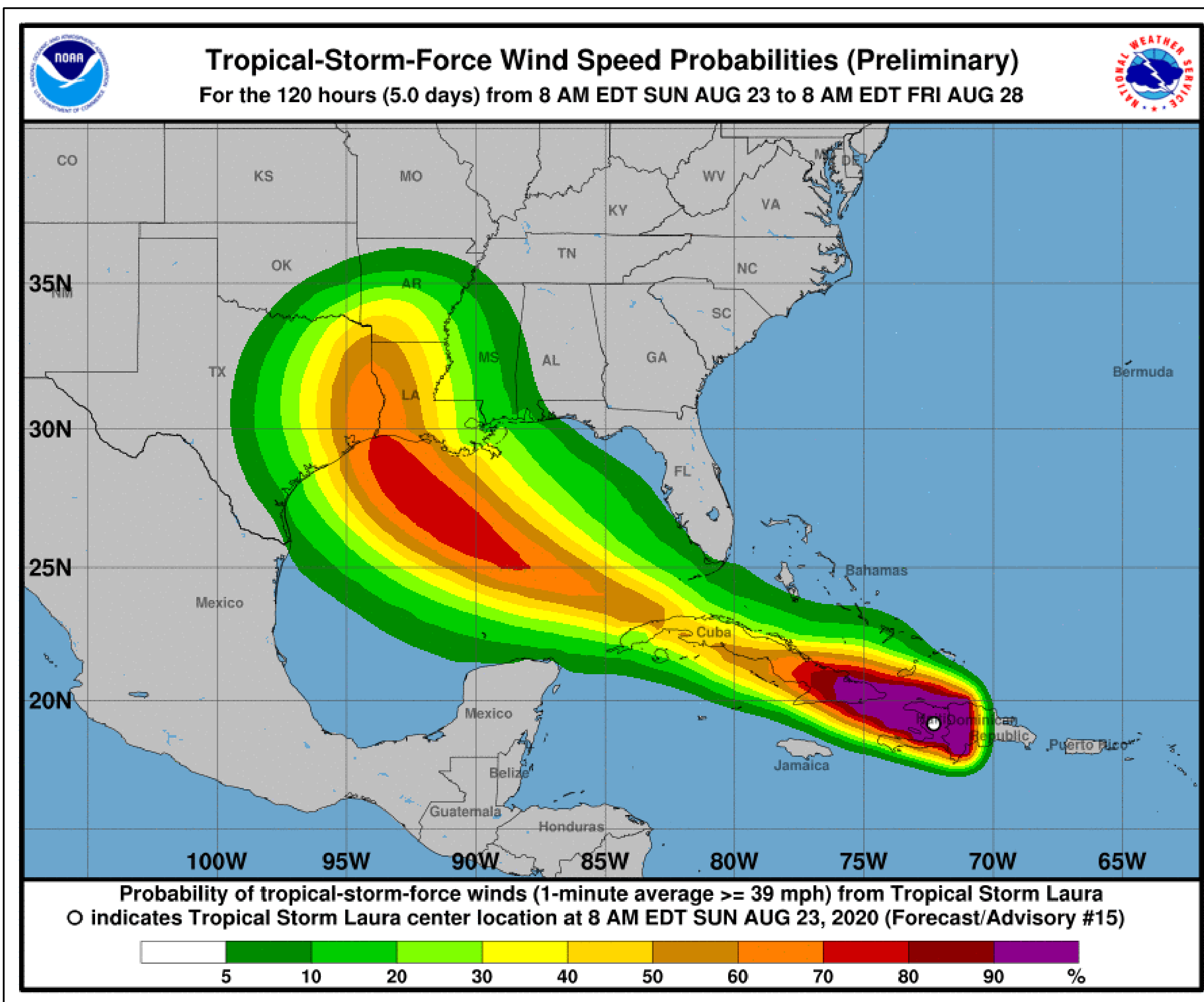
- Hurricane Warning
- Tropical Storm Warning
- Hurricane Watch
- Tropical Storm Watch
- Gale Watch
- Small Craft Advisory

T.S. Wind Speed Probabilities

Tropical Storm Laura



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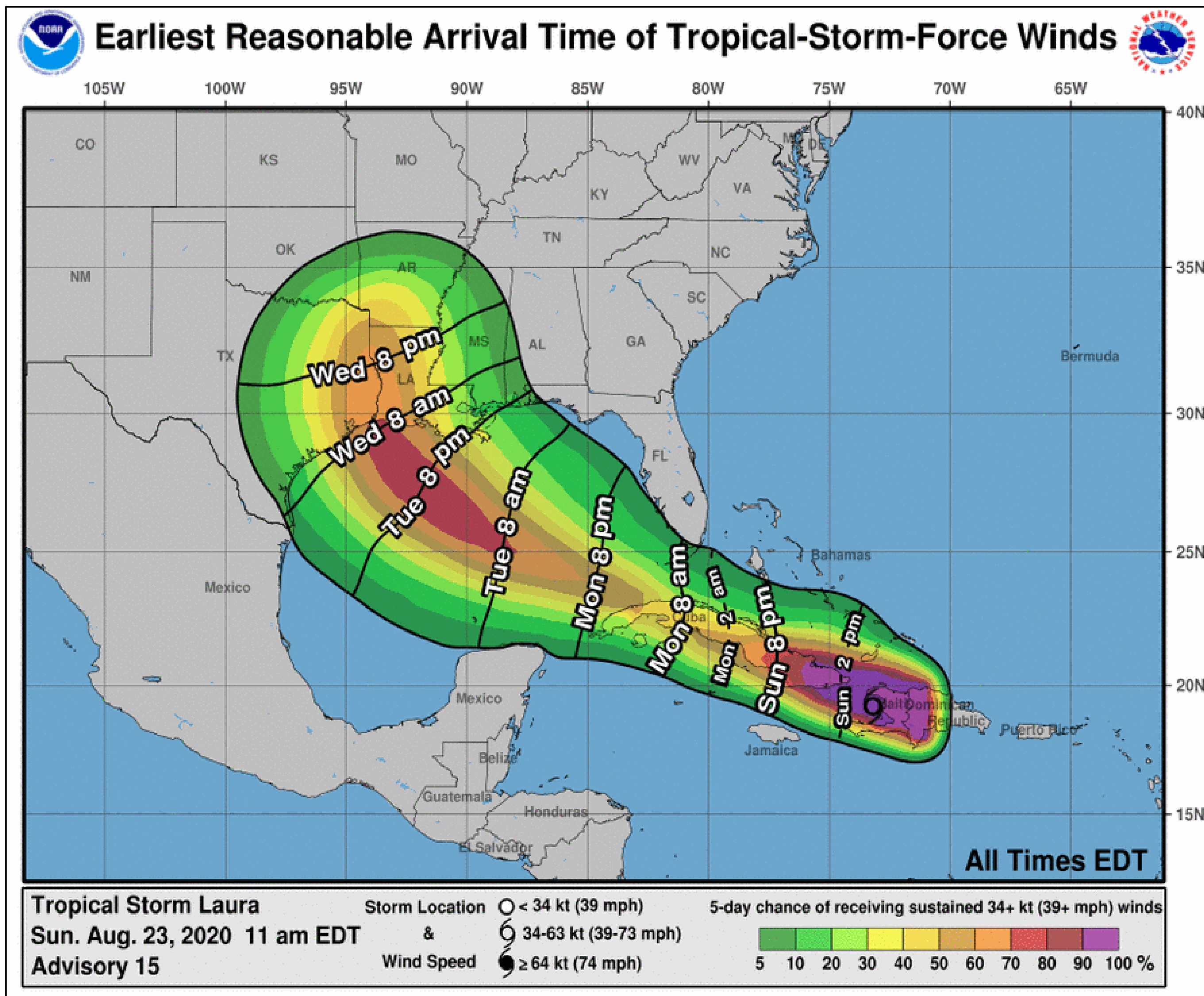
- Key West – 20%
 - Marathon – 10%
 - Miami – Less than 5%
 - Tampa – Less than 5%
-
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.
 - Clear or dark green are the lowest chances of 0-30%.
 - Yellow to orange 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 Storm Laura



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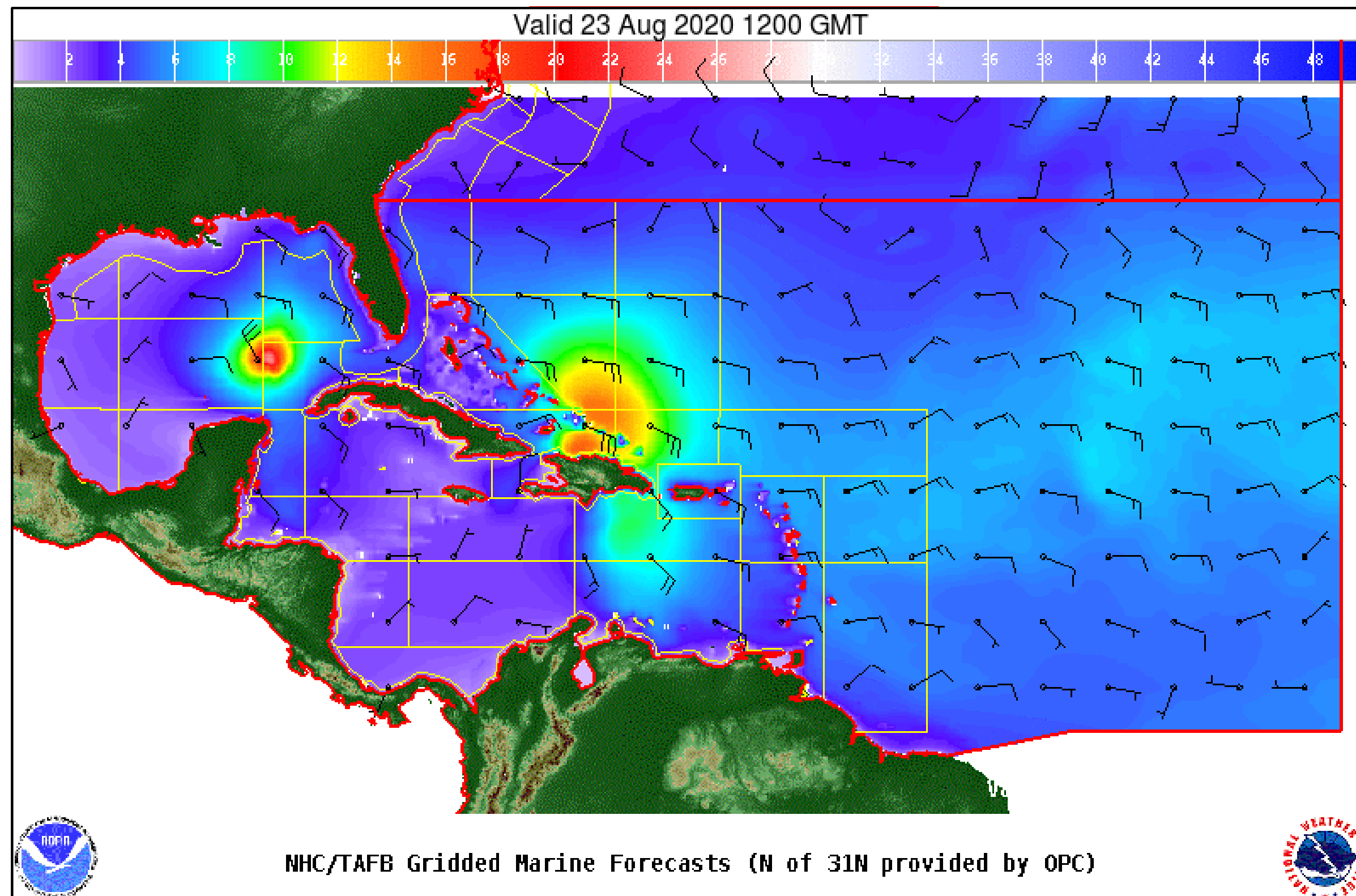
- **Key West and Marathon – Monday morning**
- The earliest reasonable time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are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

Wind And Waves

Tropical Storm Laura



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NWS National Hurricane Center



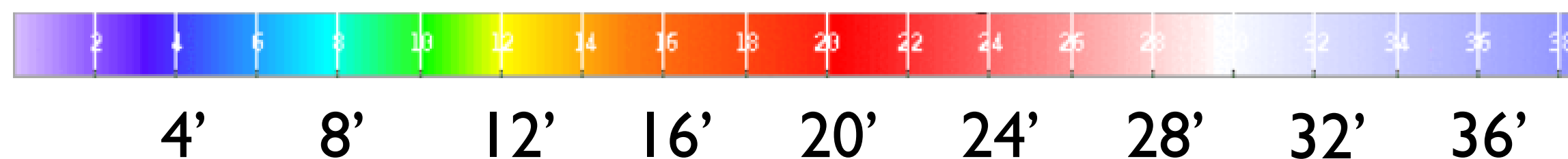
Current Conditions

8 am EDT Sunday August 23, 2020

Peak Winds: 45 kt

Peak Seas: 17 ft

- Wave heights are in feet

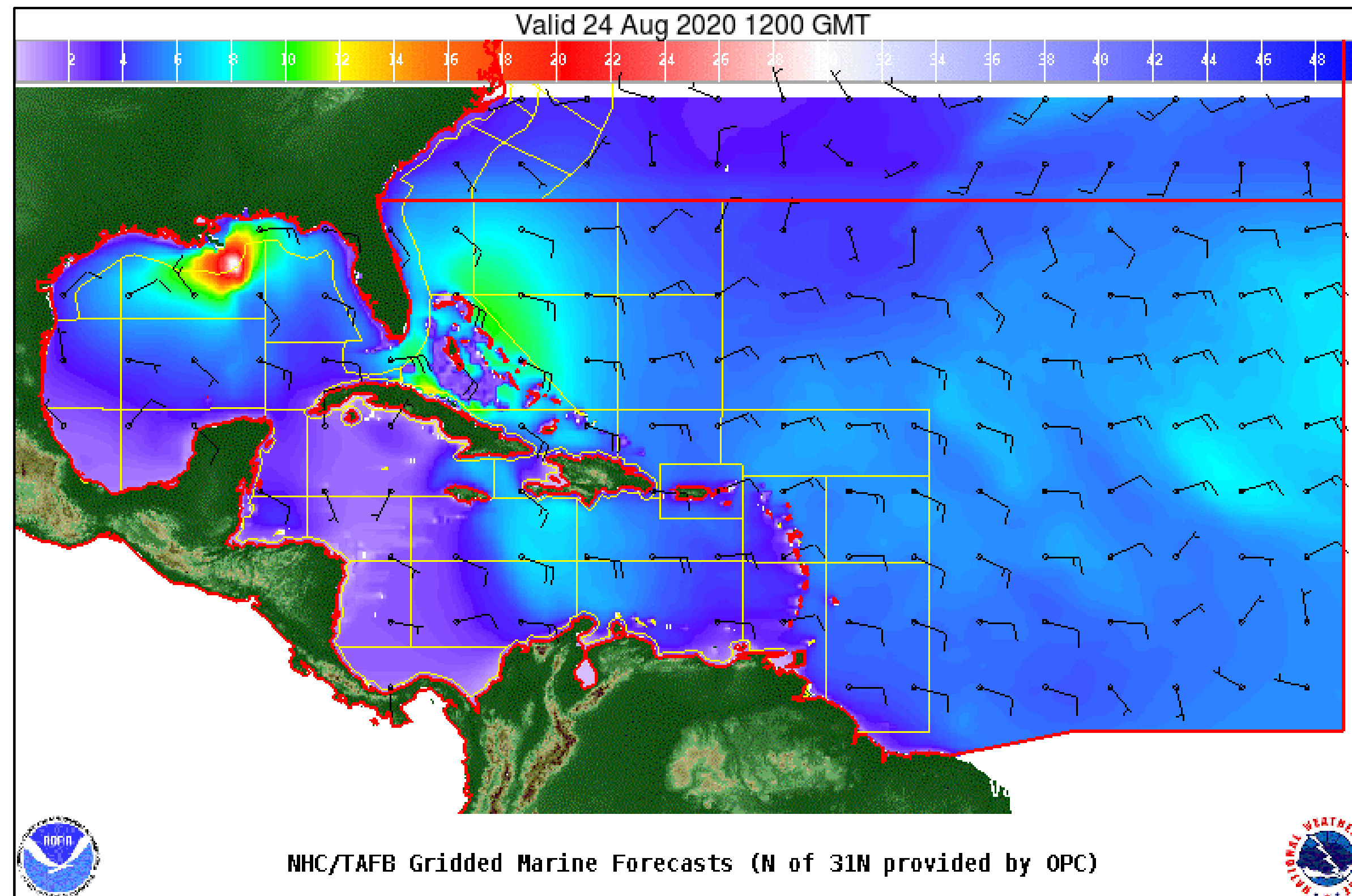


Wind And Waves

Tropical Storm Laura



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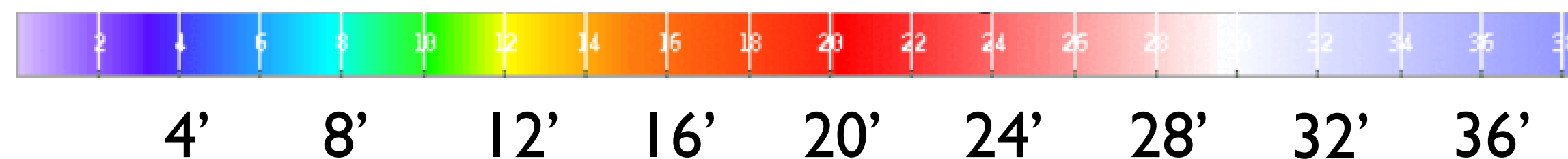
24 Hour Forecast

8 am EDT Monday August 24, 2020

Peak Winds: 45 kt

Peak Seas: 12 ft

- Wave heights are in feet

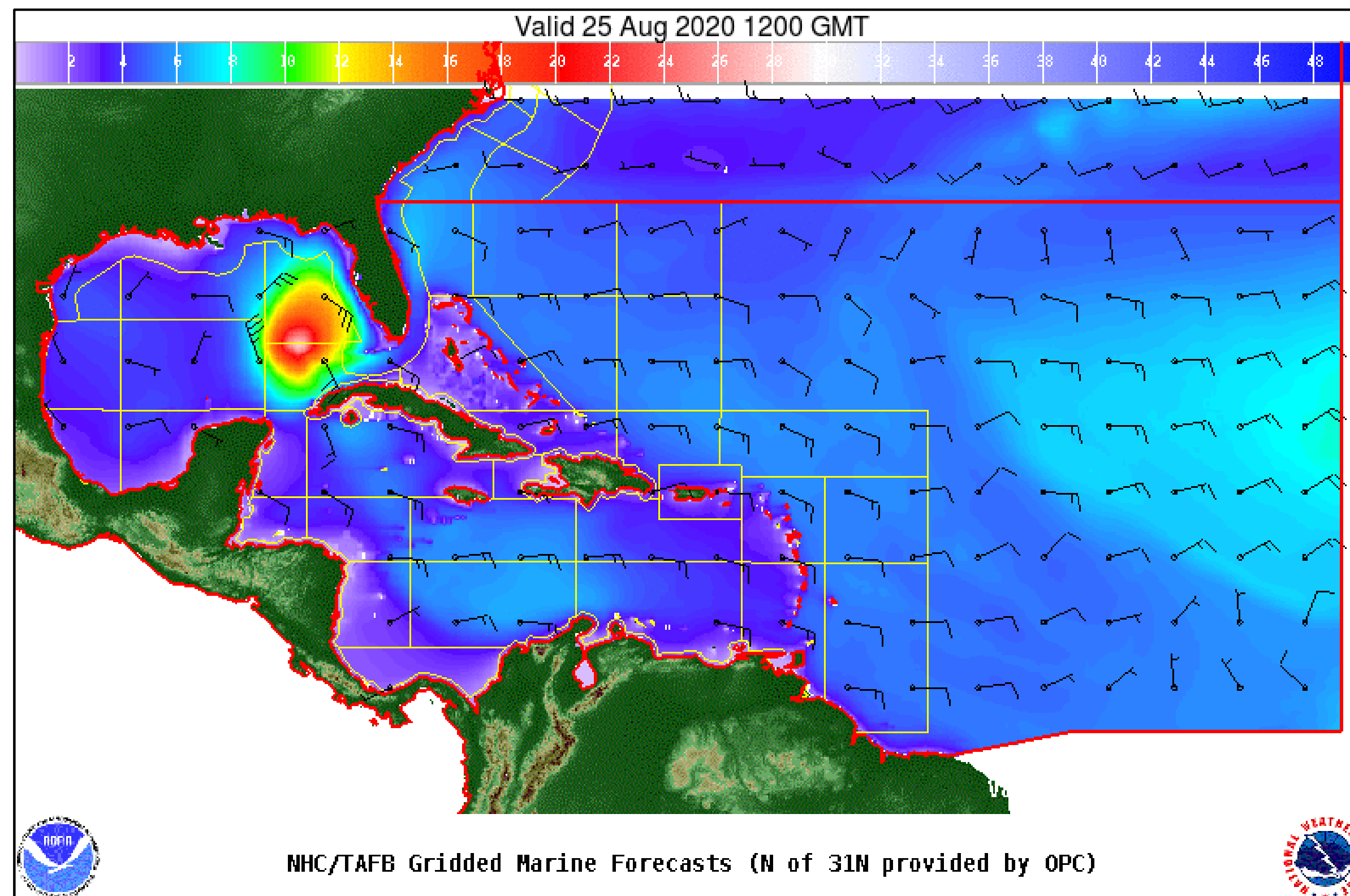


Wind And Waves

Tropical Storm Laura



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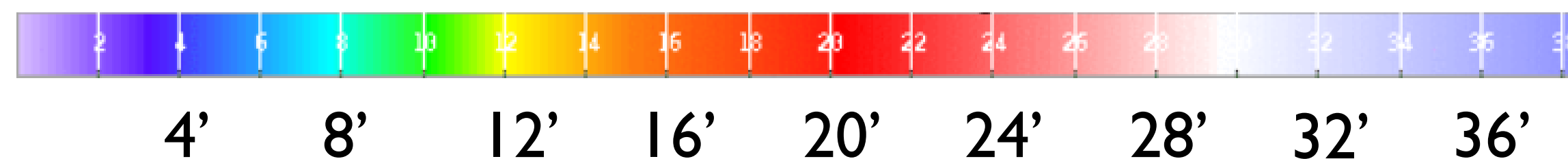
48 Hour Forecast

8 am EDT Tuesday August 25, 2020

Peak Winds: 50 kt

Peak Seas: 25 ft

- Wave heights are in feet

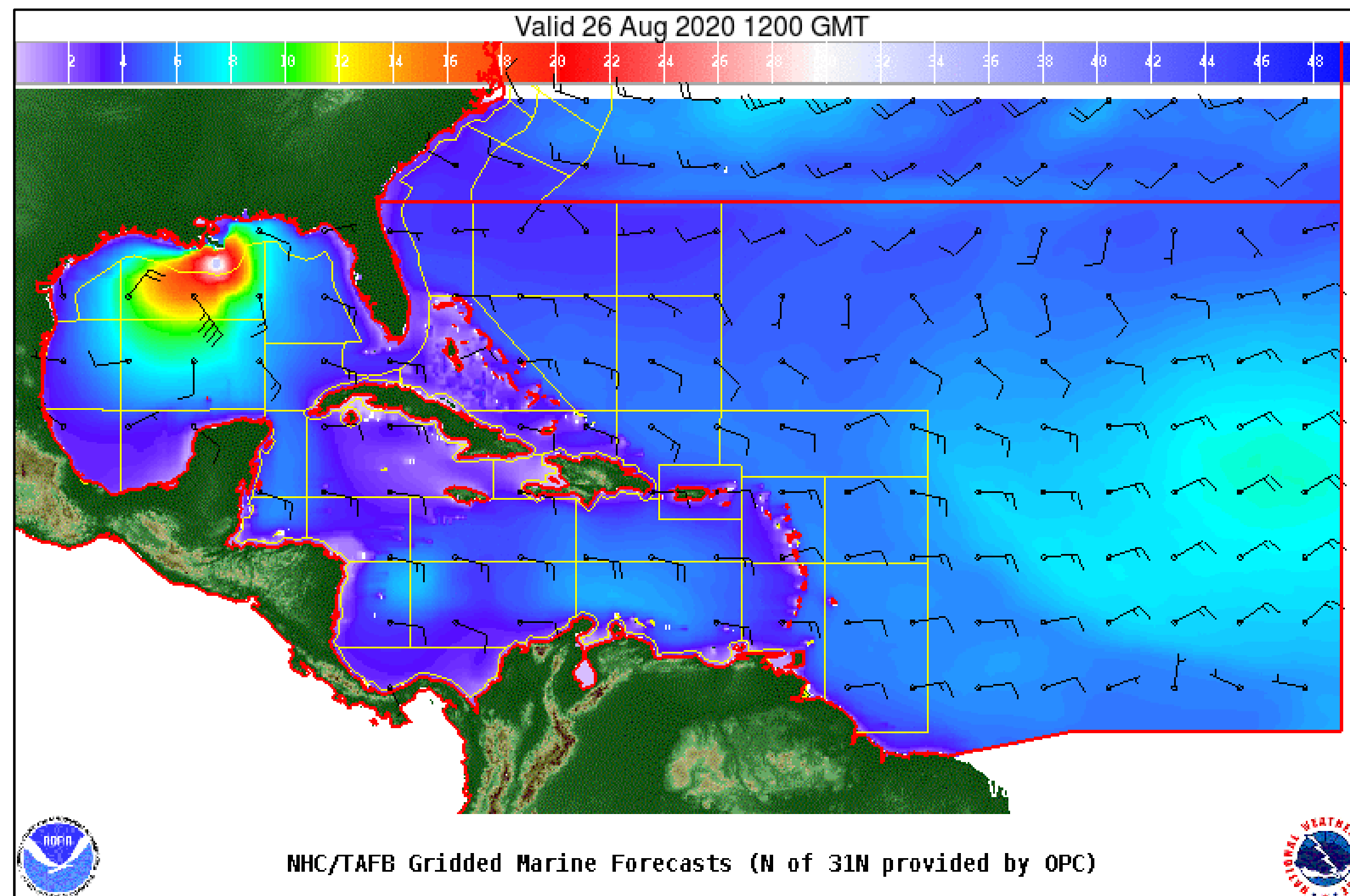


Wind And Waves

Tropical Storm Laura



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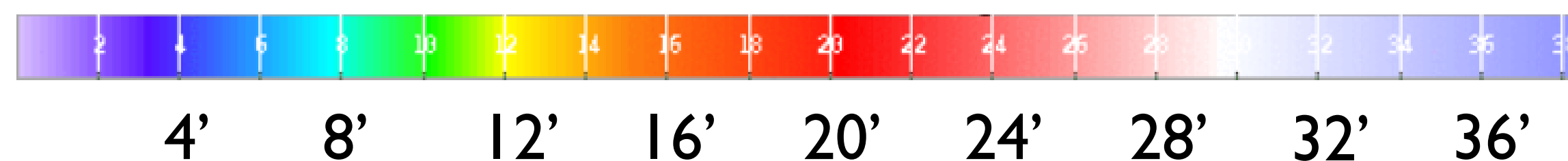
72 Hour Forecast

8 am EDT Wednesday August 26, 2020

Peak Winds: 20 kt (in D'7 waters)

Peak Seas: 8 ft (in D'7 waters)

- Wave heights are in feet

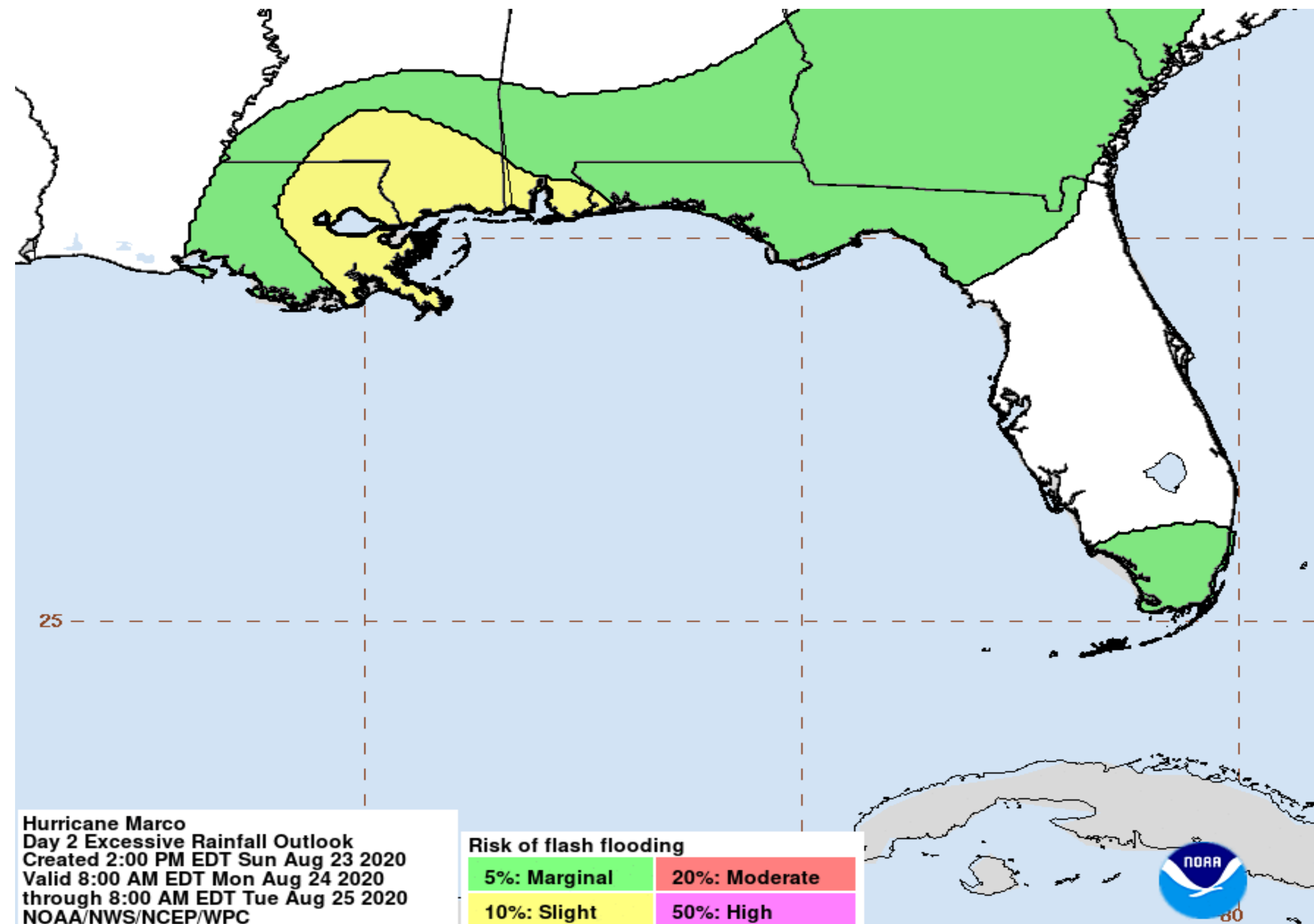
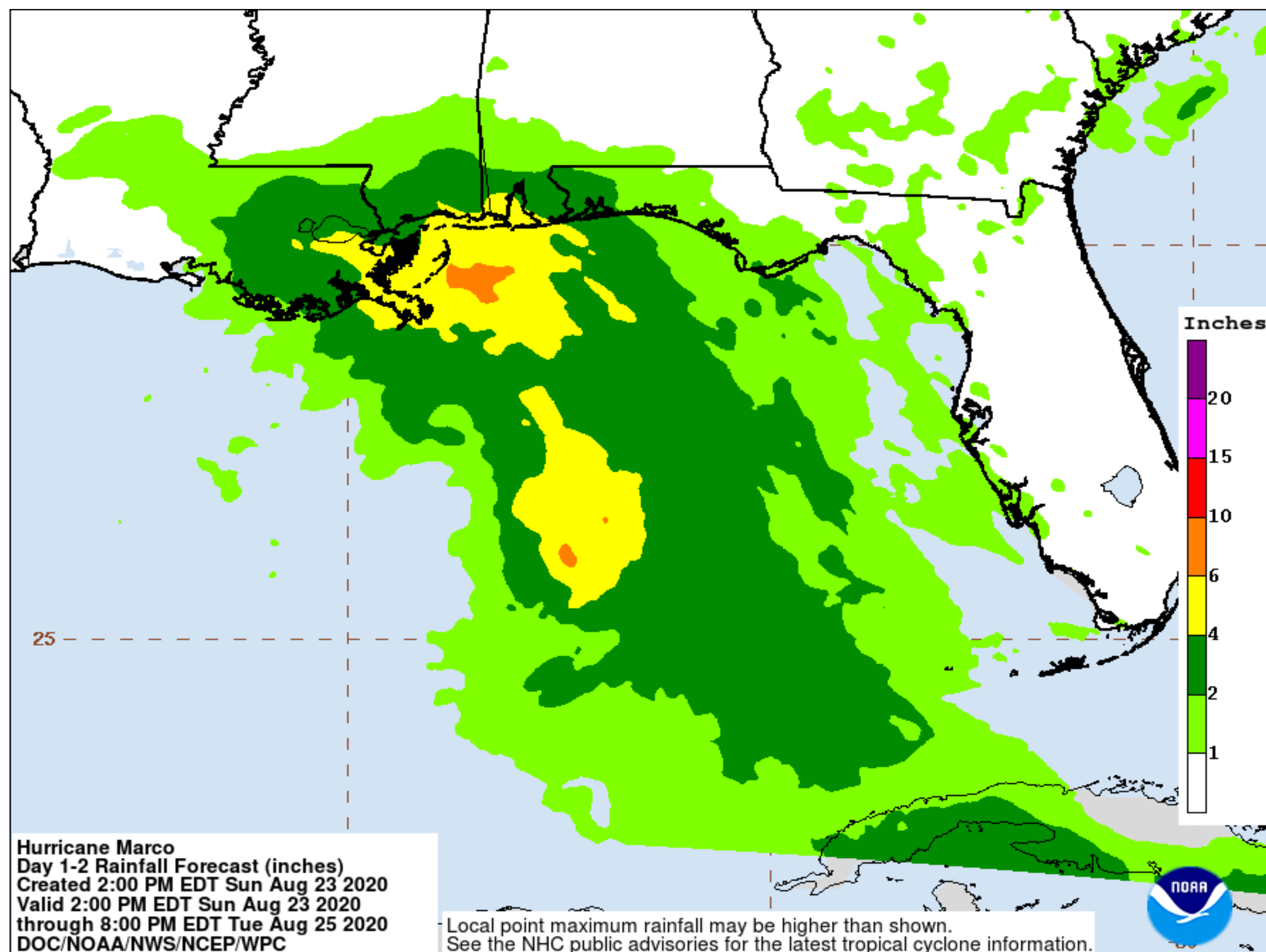


Expected Storm Total Rainfall & Chance of Flooding Rain

Tropical Storm Laura



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NWS National Hurricane Center



Risk of rainfall exceeding flash flood guidance
within 25 miles of a point

HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Valid through Tuesday

- Total rainfall in inches through Tuesday

Tornado Impact

Tropical Storm Laura



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- A few tornadoes possible

Key Messages

Tropical Storm Laura



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NWS National Hurricane Center




Key Messages for Tropical Storm Laura

Advisory 15: 11:00 AM EDT Sun Aug 23, 2020

1. Tropical storm conditions are expected across portions of the Dominican Republic and Haiti, the Turks and Caicos, the southeastern Bahamas, and Cuba through Monday. Heavy rainfall is likely across these areas and could cause mudslides and life-threatening flash and urban flooding.
2. Tropical storm conditions are possible over the central Bahamas and Andros Island tonight and Monday, and in the Florida Keys on Monday.
3. While the details of the long-range track and intensity forecasts remain uncertain, Laura is forecast to strengthen over the Gulf of Mexico and there is an increasing risk of storm surge, rainfall, and wind impacts along portions of the U.S. Gulf Coast by the middle of the week. This could result in a prolonged period of hazardous weather for areas that are likely to be affected by Marco earlier in the week. Interests along the Gulf Coast should monitor the progress of Laura and Marco and updates to the forecast during the next few days.

For more information go to hurricanes.gov



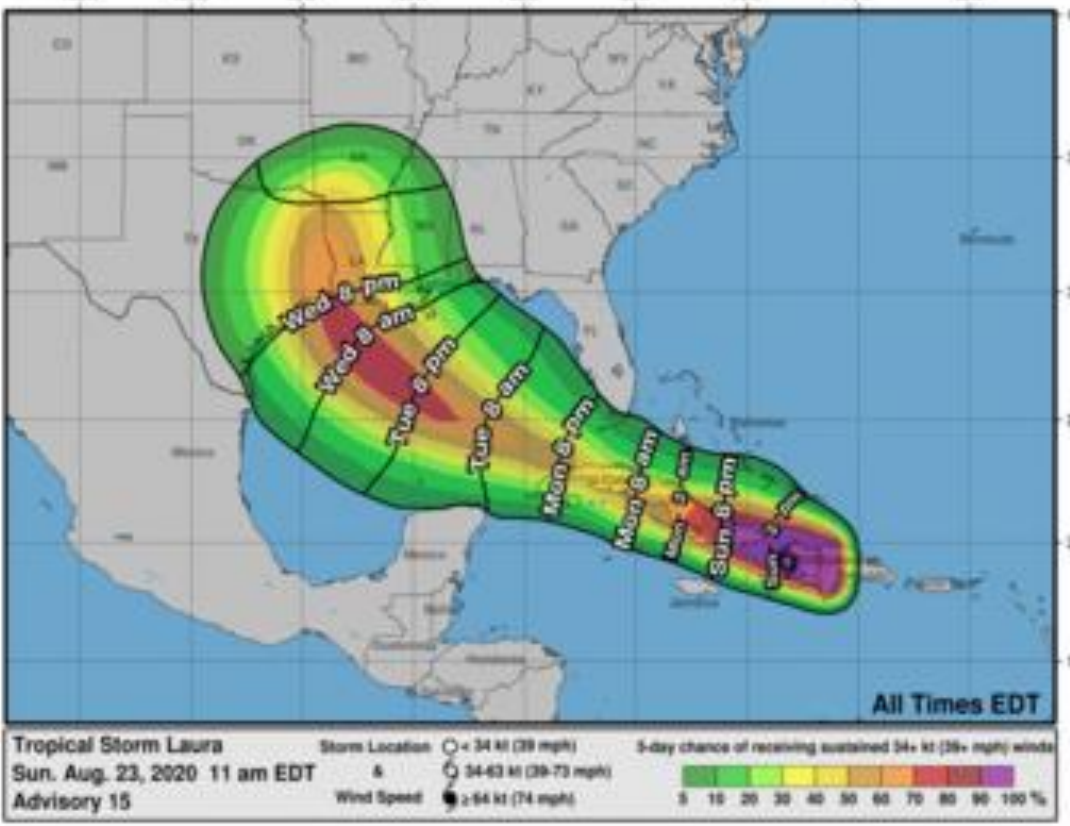
Tropical Storm Laura
Sunday August 23, 2020
11 AM EDT Advisory 15
NWS National Hurricane Center

Current information: x
Center location 19.2 N 73.2 W
Maximum sustained wind 50 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

Most Likely Arrival Time of Tropical-Storm-Force Winds



Tropical Storm Laura
Sun. Aug. 23, 2020 11 am EDT
Advisory 15

Storm Location: ○ < 34 kt (39 mph) ○ 34-63 kt (39-73 mph) ● > 64 kt (74 mph)

Wind Speed: 5 10 20 30 40 50 60 70 80 90 100 %

5-day chance of receiving sustained 34+ kt (39+ mph) winds

All Times EDT

- Marine Key Messages:
- The center will pass south of the Florida Keys as a tropical storm
- Tropical storm conditions are possible in the Florida Keys on Monday
- Seas to increase to near 25 ft in D7's eastern Gulf of Mexico on Tuesday
- Seas to diminish to near normal in D7's waters by Wednesday



TROPICAL STORM LAURA BRIEFING

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

*The Next Briefing Will Be:
Monday 9:00 AM EDT*

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



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