

IMPACTS FOR D8 (through the next 5 days)

Winds – High

Storm Surge – Moderate

Rainfall/Flash Flooding – Moderate

Tornadoes – Low

Waves - High

TROPICAL STORM ZETA BRIEFING



I am CDT
Monday, October 26, 2020

Prepared by:
Jeff Lewitsky

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

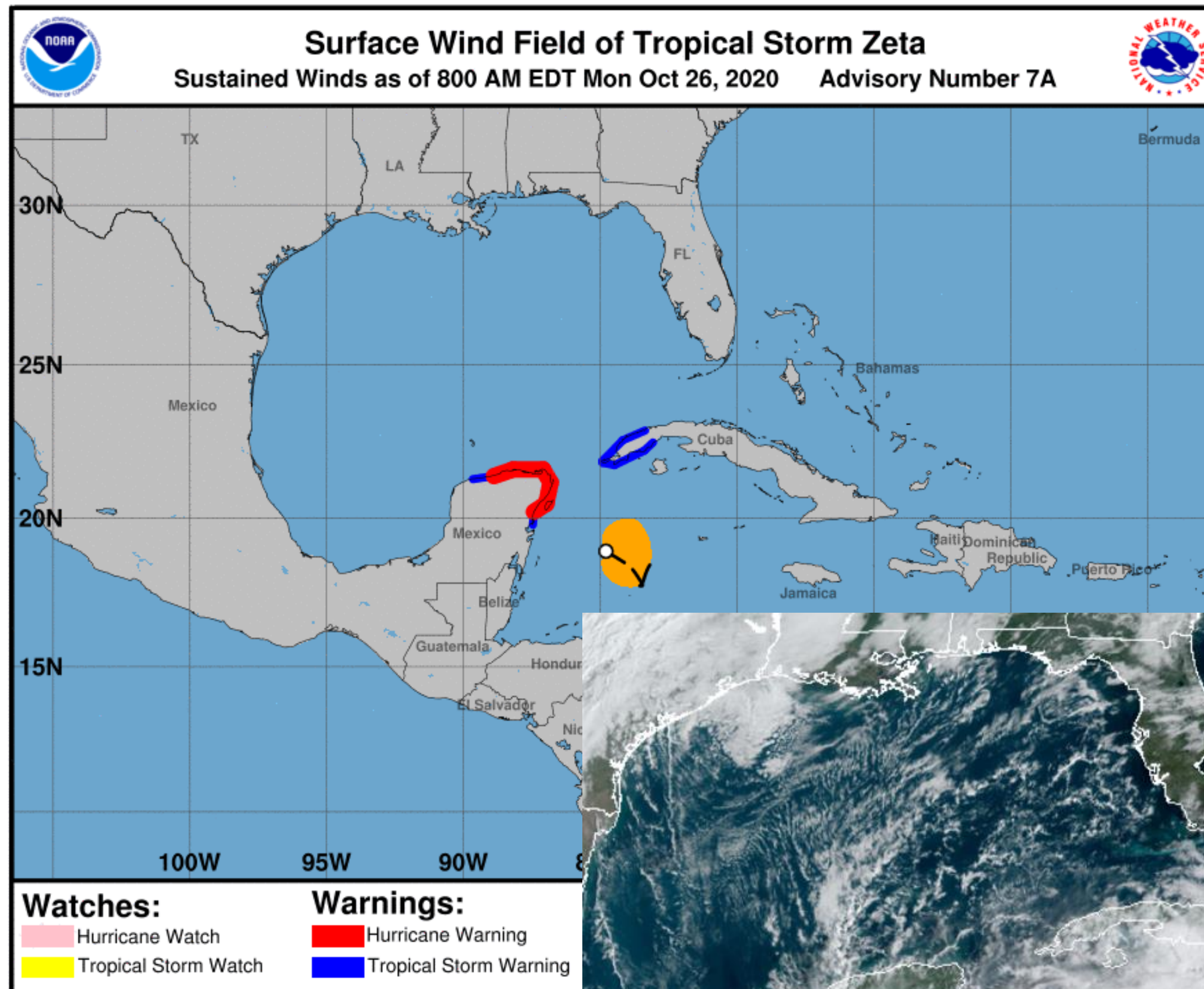
www.nhc.noaa.gov

Situation Overview

Tropical Storm Zeta



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**...ZETA LIKELY TO BECOME A HURRICANE LATER TODAY...
...WATCHES LIKELY REQUIRED FOR A PORTION OF THE NORTHERN GULF COAST LATER TODAY...**

SUMMARY OF 1000 AM CDT INFORMATION

LOCATION...19.1N 85.3W
ABOUT 140 MI SE OF COZUMEL MEXICO
MAXIMUM SUSTAINED WINDS...70 MPH
PRESENT MOVEMENT...NW AT 10 MPH

SIZE...

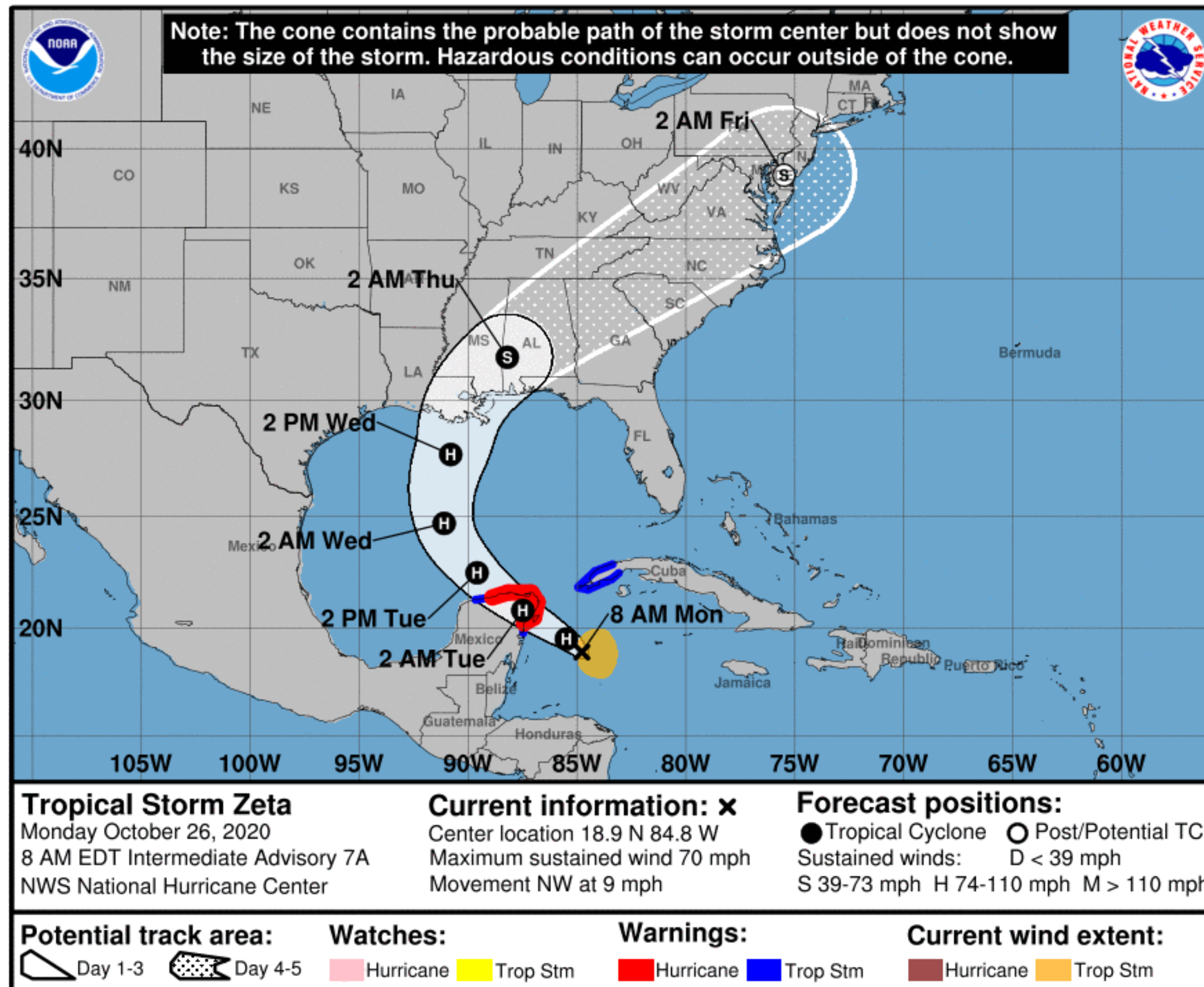
50 KT..... 0NE 50SE 0SW 0NW.
34 KT..... 60NE 100SE 0SW 0NW.
12 FT SEAS.. 90NE 60SE 30SW 60NW.

Forecast Information

Tropical Storm Zeta



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

- **Zeta forecast to become a hurricane later today.**
- **Zeta forecast to be near hurricane strength near the northern Gulf coast Wednesday.**
- 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

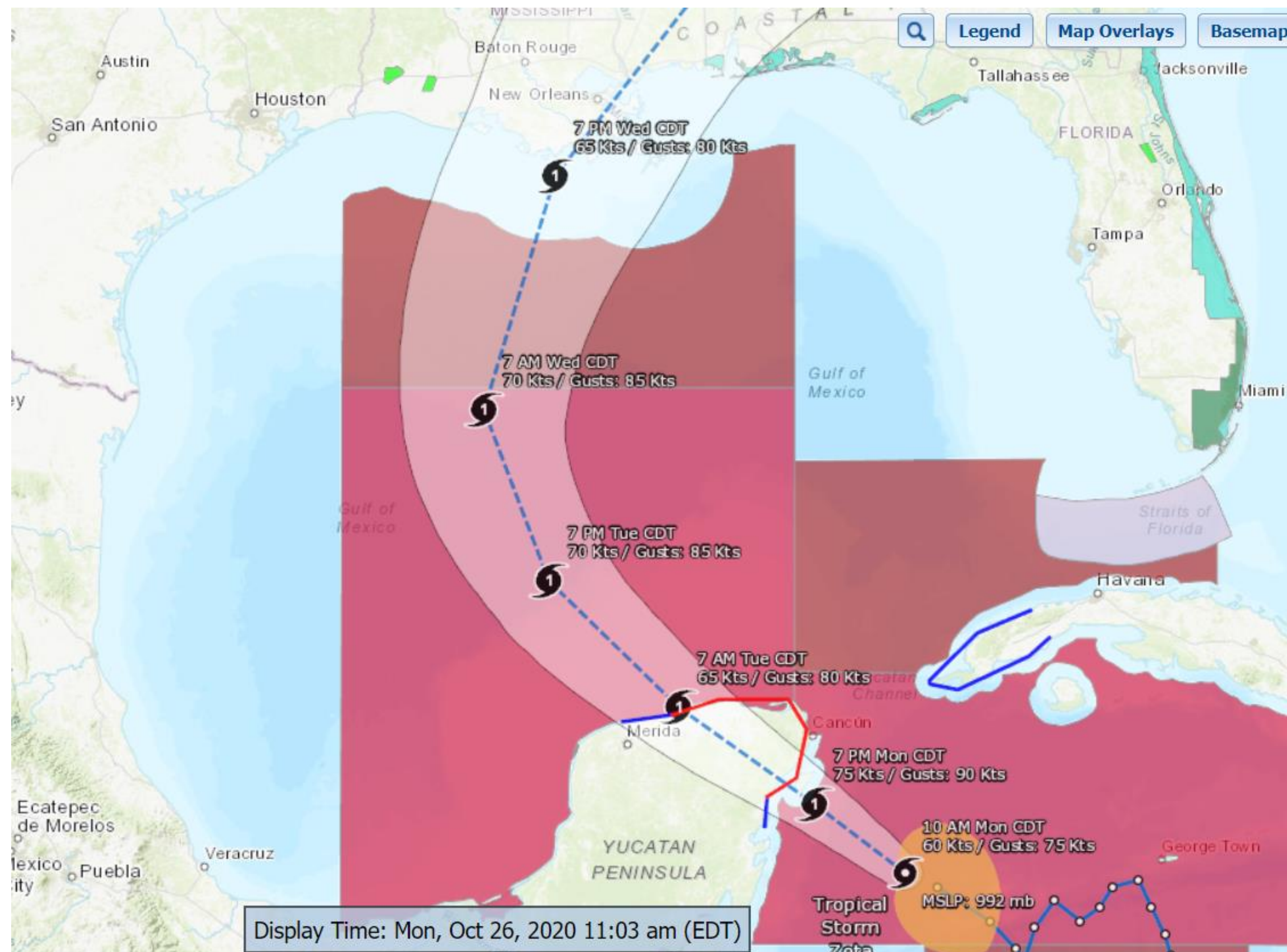
** Swaths are calculated using average track errors and actual track may be well inside, or possibly outside the potential track areas indicated.

Hazards Map

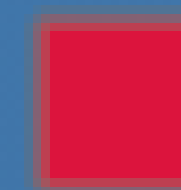
Tropical Storm Zeta



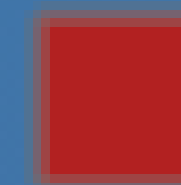
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Legend:



Hurricane Warning



Tropical Storm Warning

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

T.S. Wind Speed Probabilities

Tropical Storm Zeta



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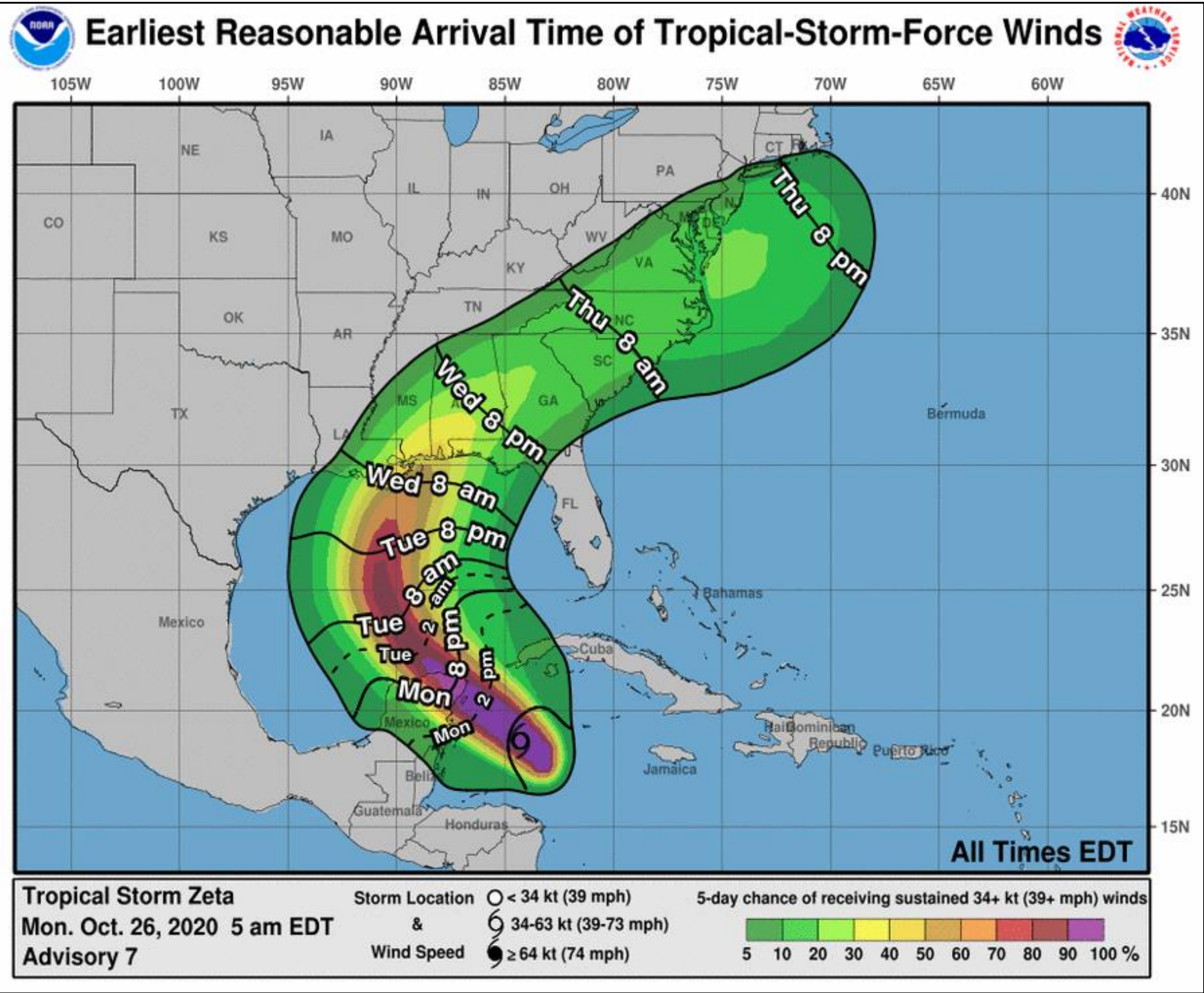
- **Beaumont, TX – 5%**
- **Lake Charles, LA – 5-10%**
- **Vermillion Bay, LA – 30%**
- **Morgan City, LA – 45%**
- **Venice, LA – 60%**
- **New Orleans, LA – 50%**
- **Pascagoula, MS – 40%**
- **Biloxi, MS – 40%**
- **Mobile, AL – 40%**
- **Pensacola, FL – 25%**
- **Destin, FL – 20%**
- Probabilities 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.
- See the color bar below the image for more details.

Time of Arrival and Tropical Storm Force Winds

Tropical Storm Zeta



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- **Wednesday morning into Wednesday afternoon.**
- 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.

Time of Departure of TS Force Winds

Tropical Storm Zeta



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Venice, LA

TIME OF DEPARTURE	DATE	DAY
Most Likely	10/28 11PM EDT	Wednesday
Latest Reasonable	10/29 2AM EDT	Thursday
Deterministic	10/29 1AM EDT	Thursday

Mobile, AL

TIME OF DEPARTURE	DATE	DAY
Most Likely	10/29 2AM EDT	Thursday
Latest Reasonable	10/29 6AM EDT	Thursday
Deterministic	10/29 5AM EDT	Thursday

Pascagoula, MS

TIME OF DEPARTURE	DATE	DAY
Most Likely	10/29 2AM EDT	Thursday
Latest Reasonable	10/29 6AM EDT	Thursday
Deterministic	10/29 4AM EDT	Thursday

New Orleans, LA

TIME OF DEPARTURE	DATE	DAY
Most Likely	10/28 11PM EDT	Wednesday
Latest Reasonable	10/29 3AM EDT	Thursday
Deterministic	10/29 1AM EDT	Thursday

Morgan City, LA

TIME OF DEPARTURE	DATE	DAY
Most Likely	10/28 10PM EDT	Wednesday
Latest Reasonable	10/29 1AM EDT	Thursday
Deterministic	10/28 11PM EDT	Wednesday

Vermillion Bay, LA

TIME OF DEPARTURE	DATE	DAY
Most Likely	10/28 8PM EDT	Wednesday
Latest Reasonable	10/28 11PM EDT	Wednesday

Pensacola, FL

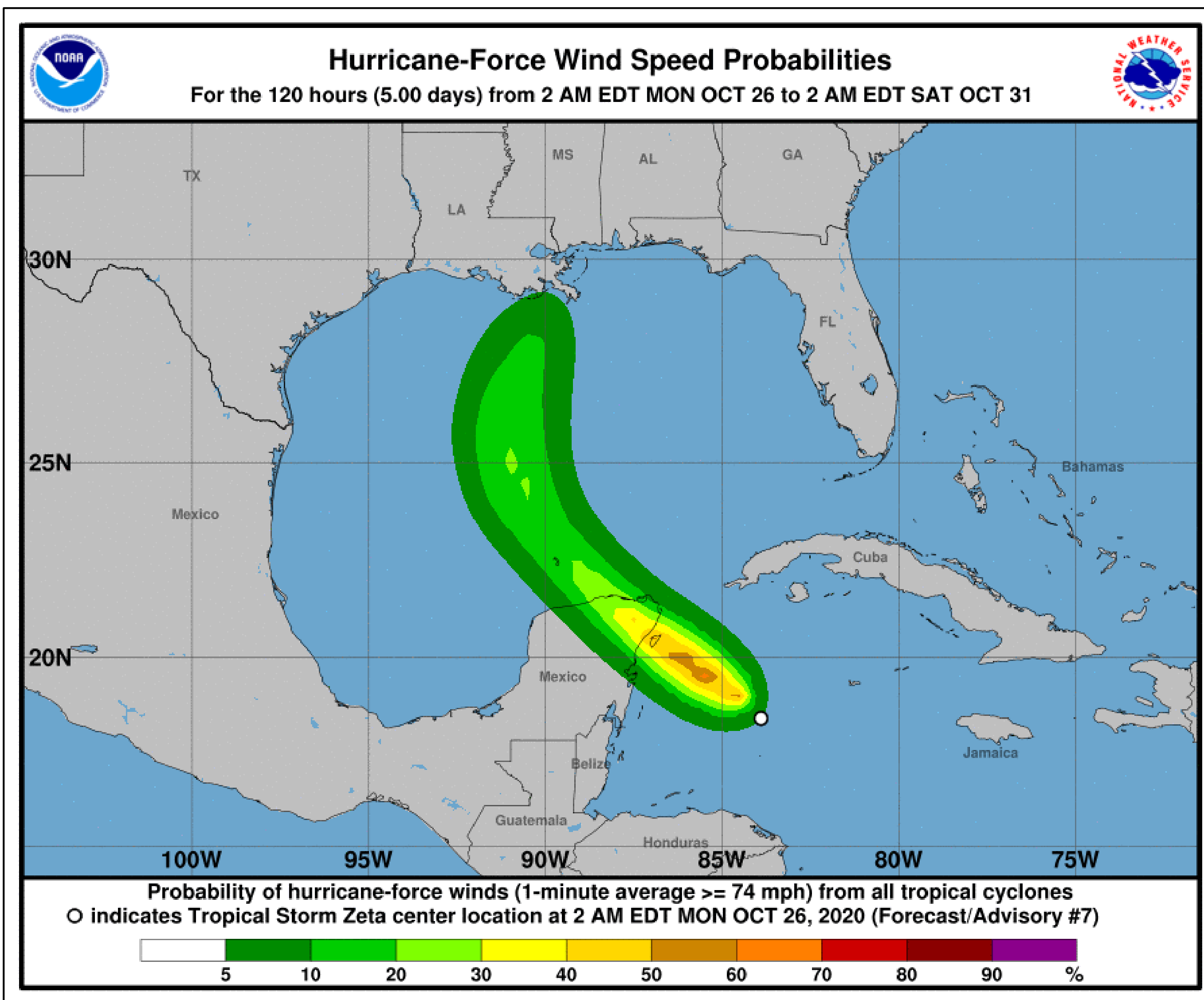
TIME OF DEPARTURE	DATE	DAY
Most Likely	10/29 3AM EDT	Thursday
Latest Reasonable	10/29 7AM EDT	Thursday

Hurricane Wind Speed Probabilities

Tropical Storm Zeta



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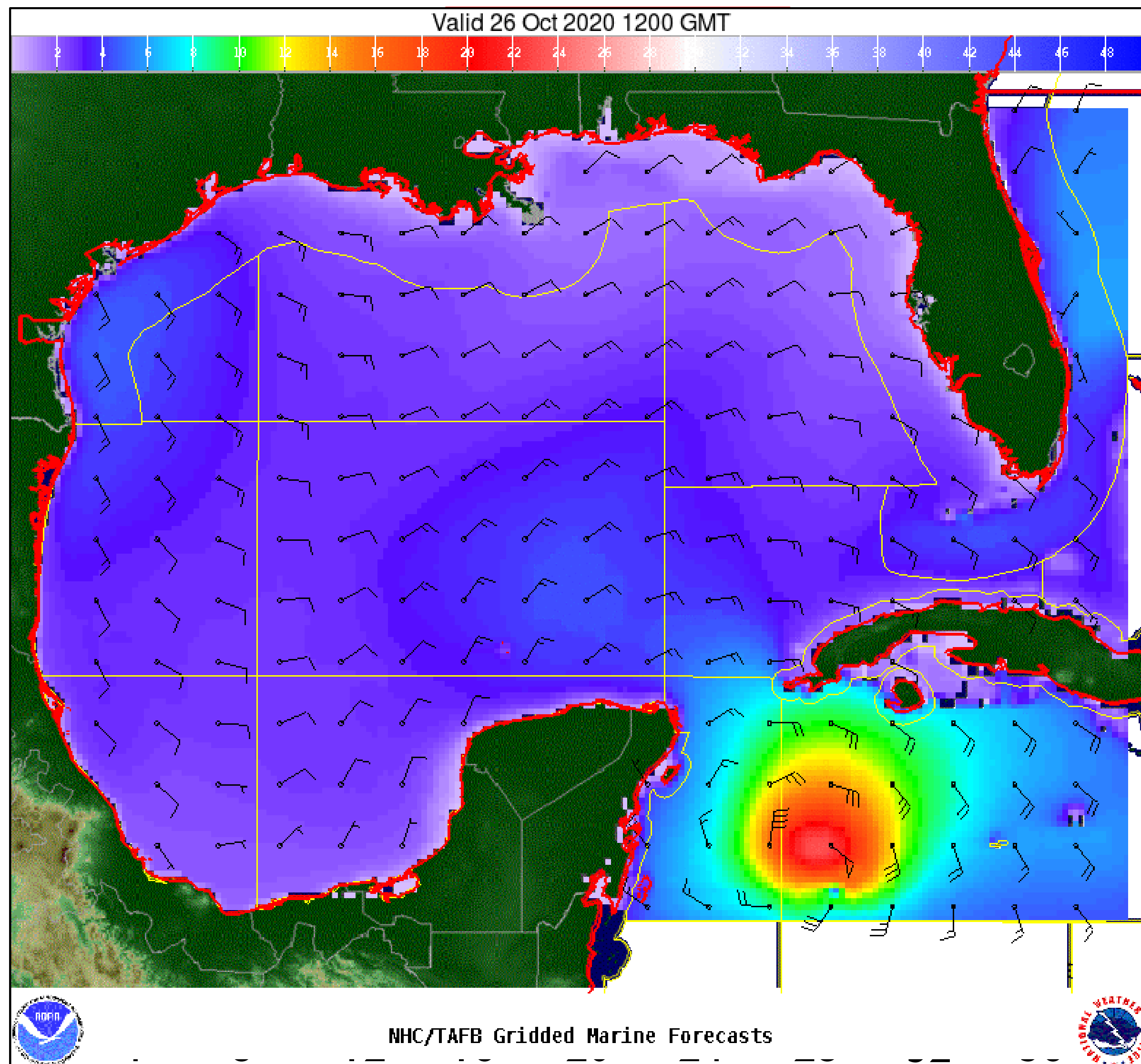
- **Near hurricane strength at Landfall.**
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.
- Clear or dark green are the lowest chances of 0-30%.
- Yellow to orange is 31-70%
- Red through purple are the highest probabilities of 71%-100%
- See the color bar below the image for more details.

Wind And Waves

Tropical Storm Zeta



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Current Conditions

Peak Winds: 60 KT

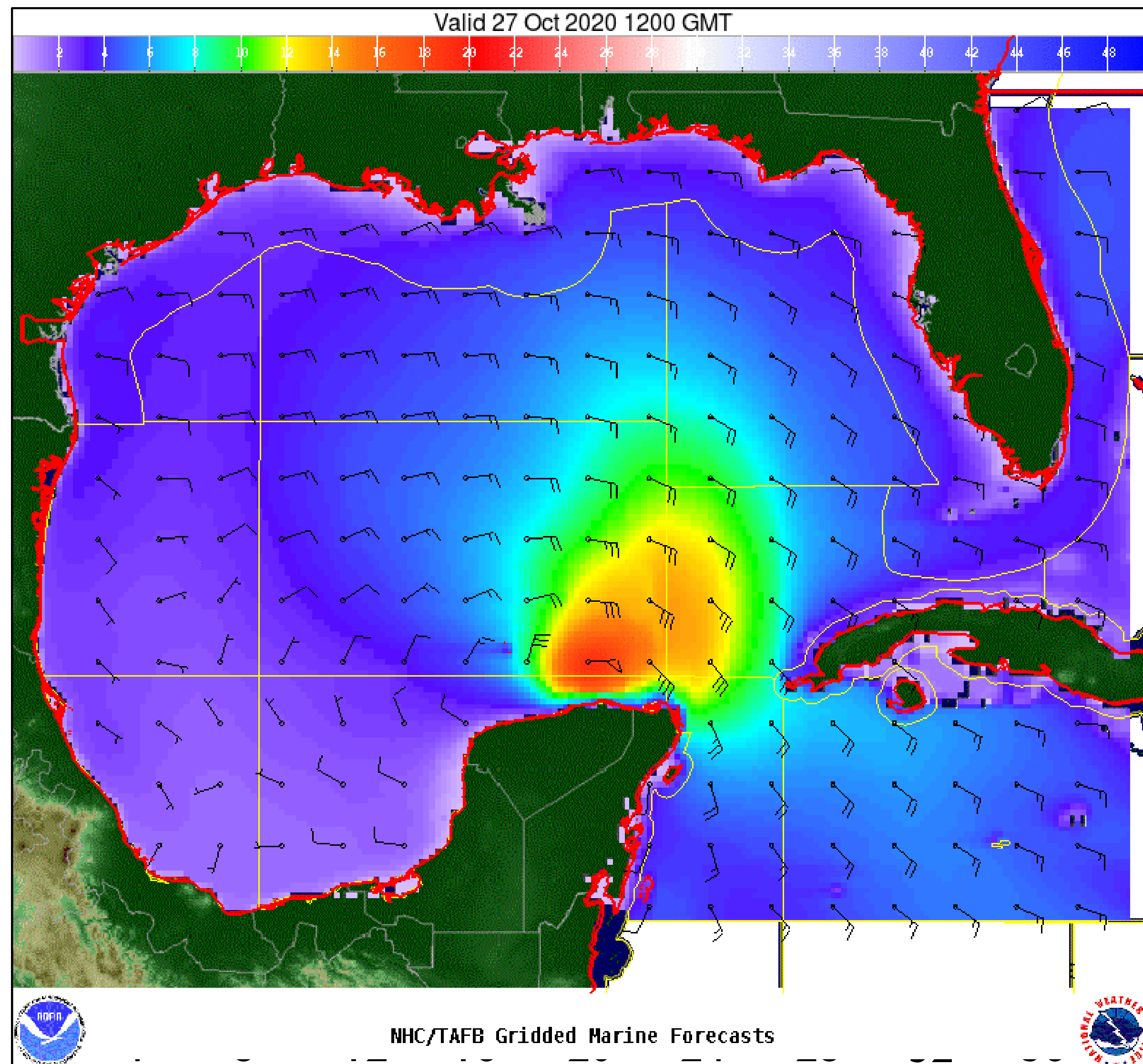
Peak Seas: 23 FT

Wind And Waves

Tropical Storm Zeta



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24 Hour Forecast

Tuesday Morning

Peak Winds: 65 KT

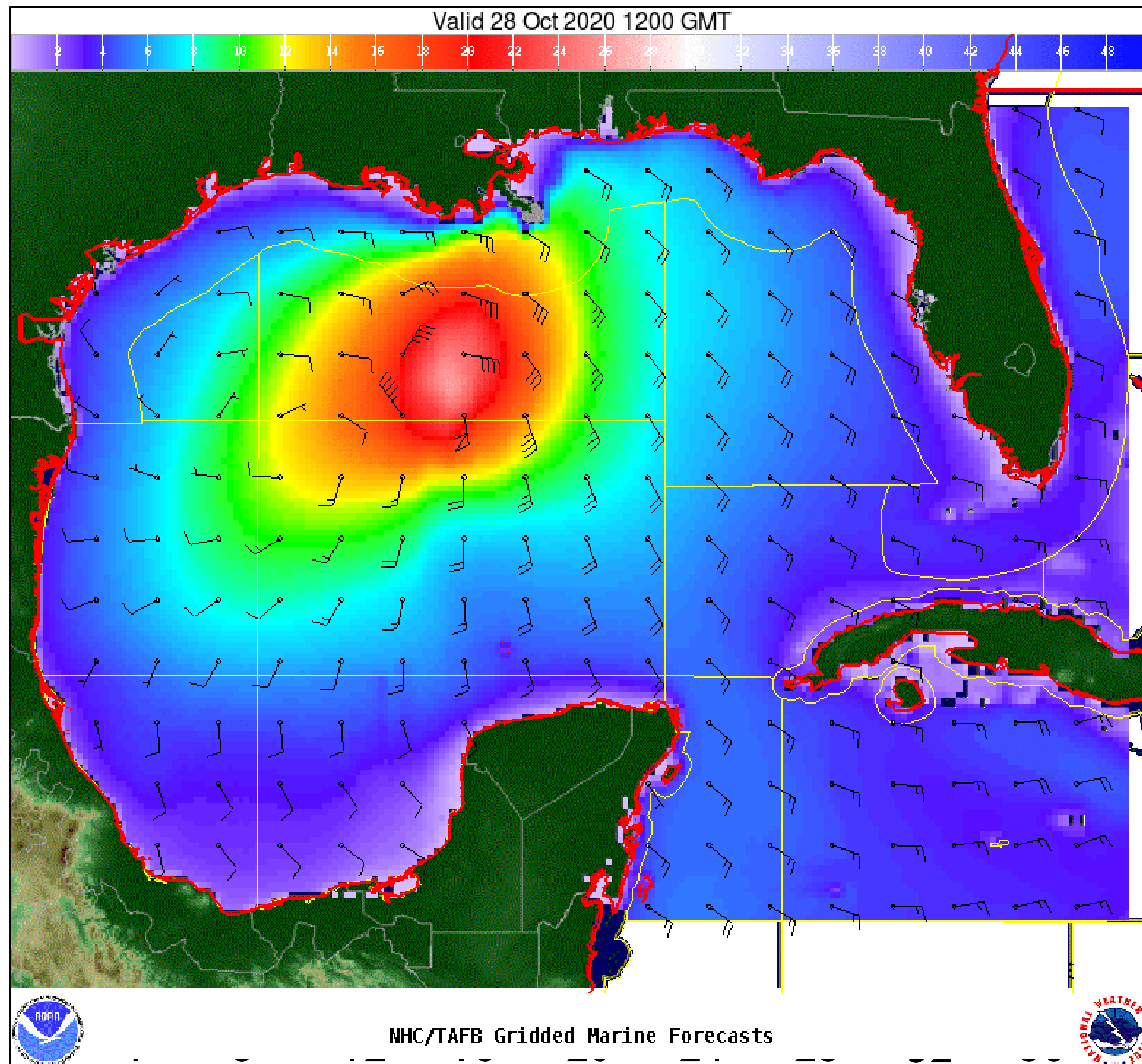
Peak Seas: 19 FT

Wind And Waves

Tropical Storm Zeta



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48 Hour Forecast

Wednesday Morning

Peak Winds: 70 KT

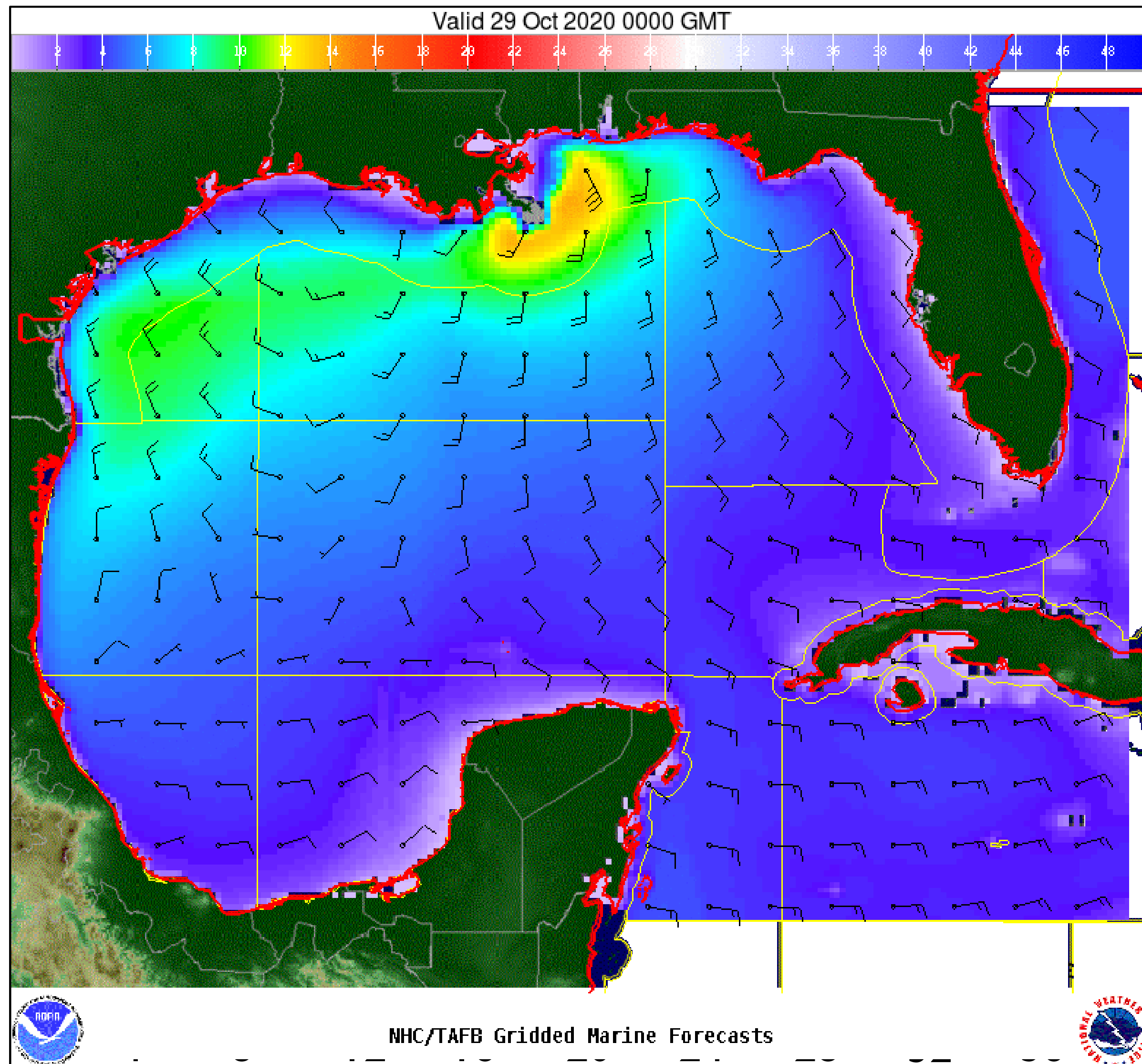
Peak Seas: 26 FT

Wind And Waves

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60 Hour Forecast

Wednesday Evening

Peak Winds: 65 KT

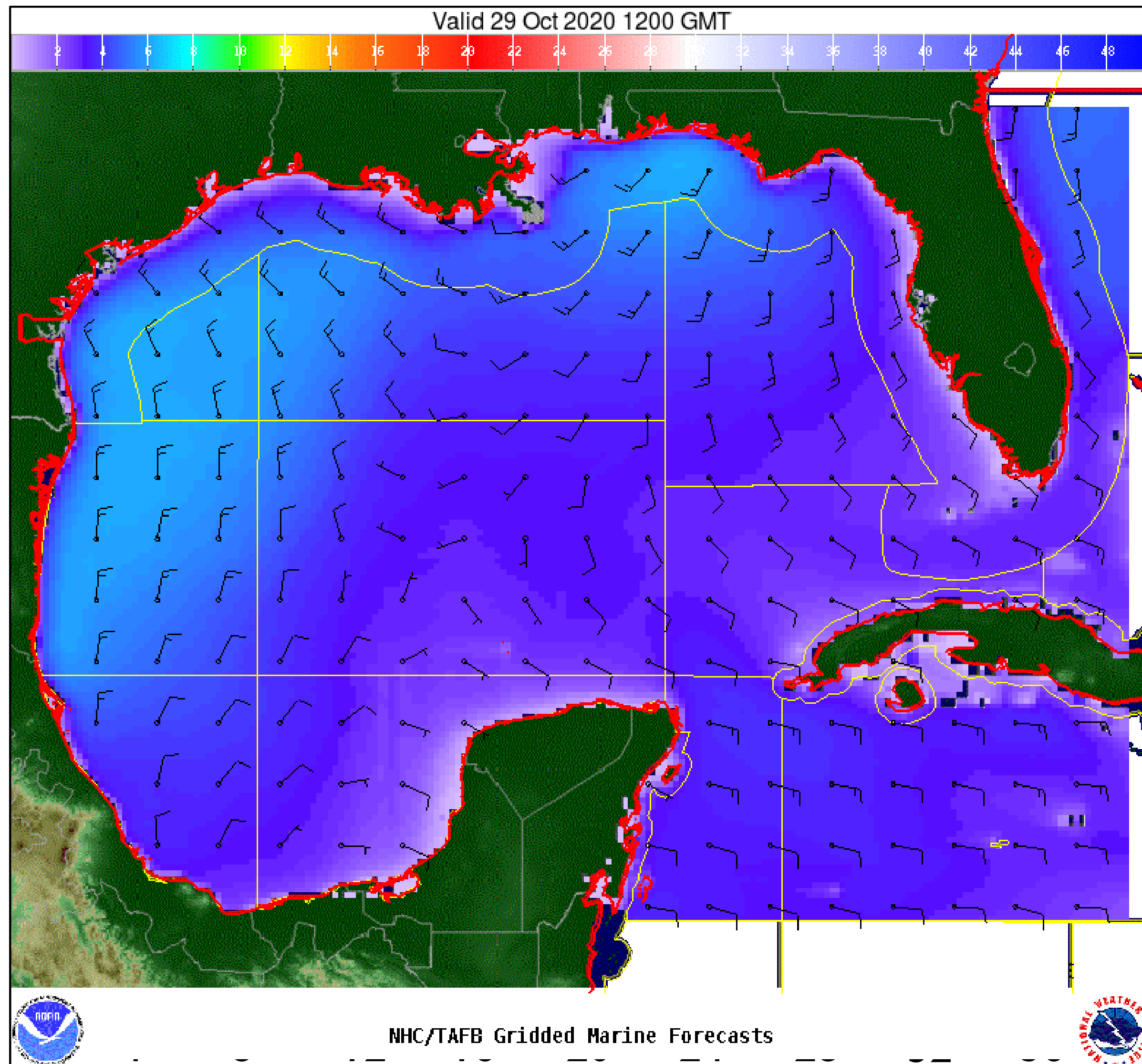
Peak Seas: 15 FT

Wind And Waves

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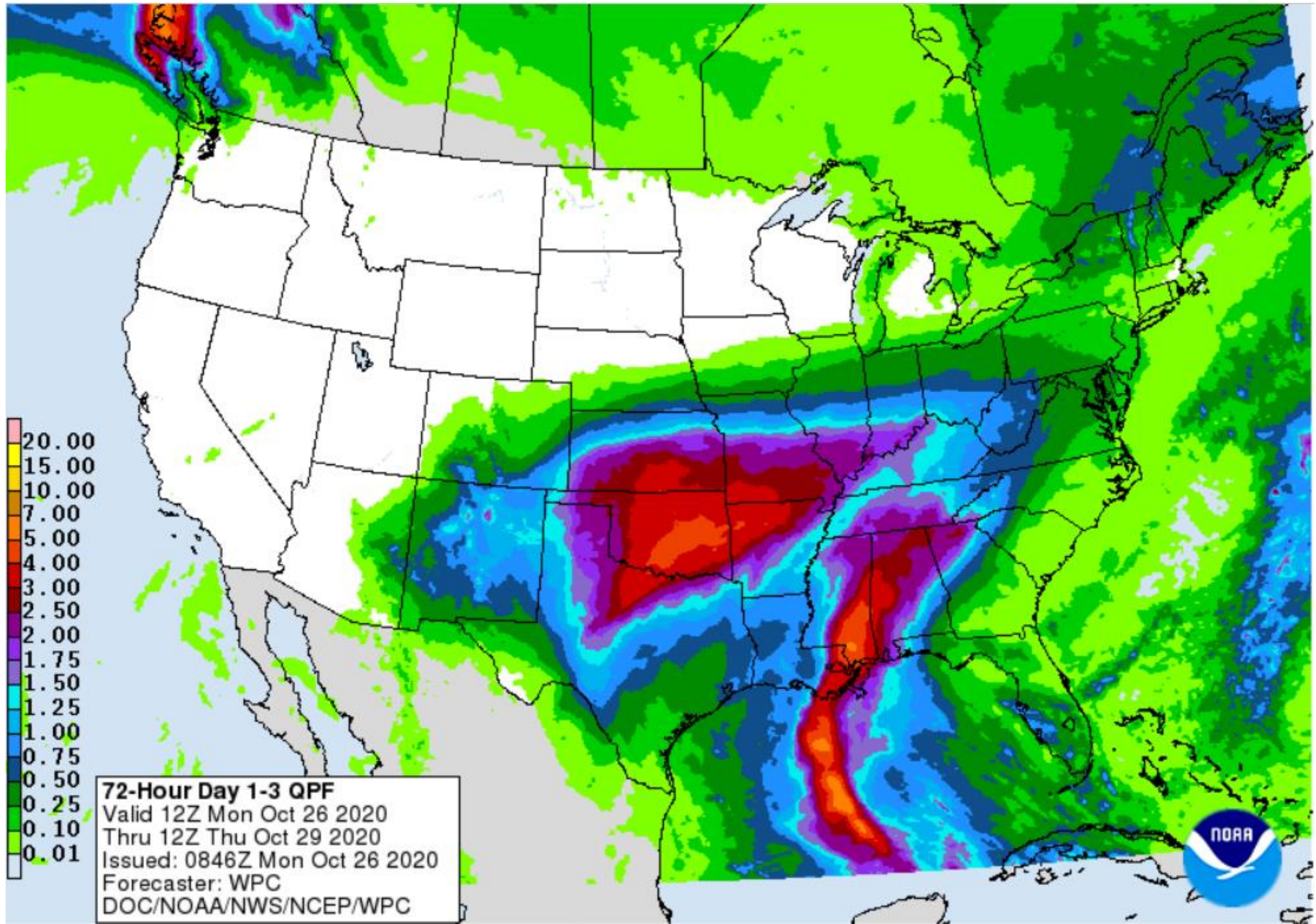
72 Hour Forecast
Thursday Morning

Expected Storm Total Rainfall and Chance of Rainfall Flooding



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Tropical Storm Zeta



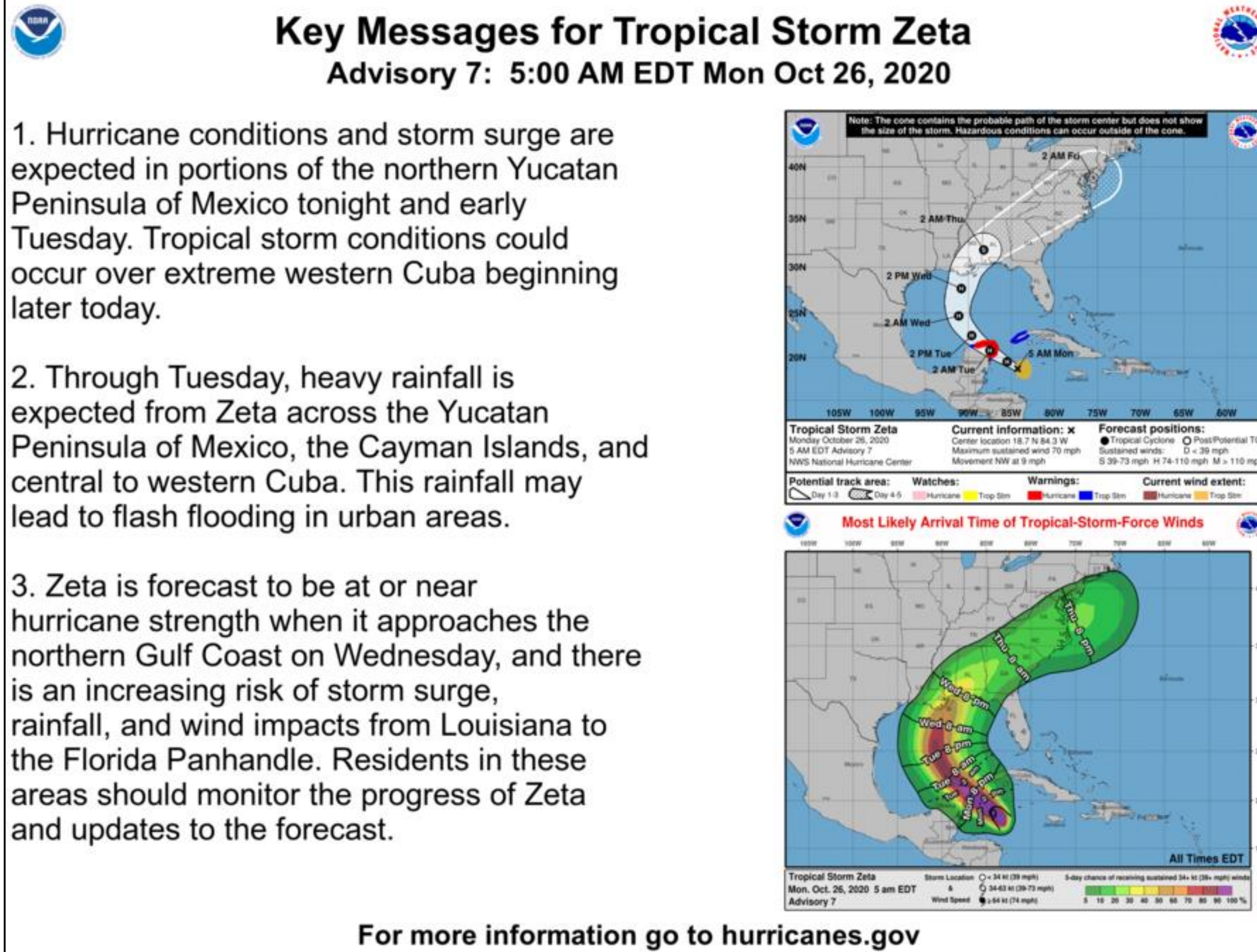
- Total rainfall in inches through Thursday 7am CDT

Key Messages

Tropical Storm Zeta



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- **Marine Key Messages:**
- **Near the northern Gulf coast Wednesday through Wednesday night.**
- **Near hurricane strength.**



TROPICAL STORM ZETA BRIEFING

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

*The Next Briefing Will Be:
Tuesday 11:00 AM CDT*

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



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