

IMPACTS FOR D8 (through next 5 days)

Winds – **High**

Storm Surge – **High**

Rainfall/Flash Flooding – **Moderate**

Tornadoes – **Low**

Waves - **High**

HURRICANE DELTA BRIEFING



11 AM CDT
Tuesday, October 6, 2020

Prepared by:
Chris Landsea

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

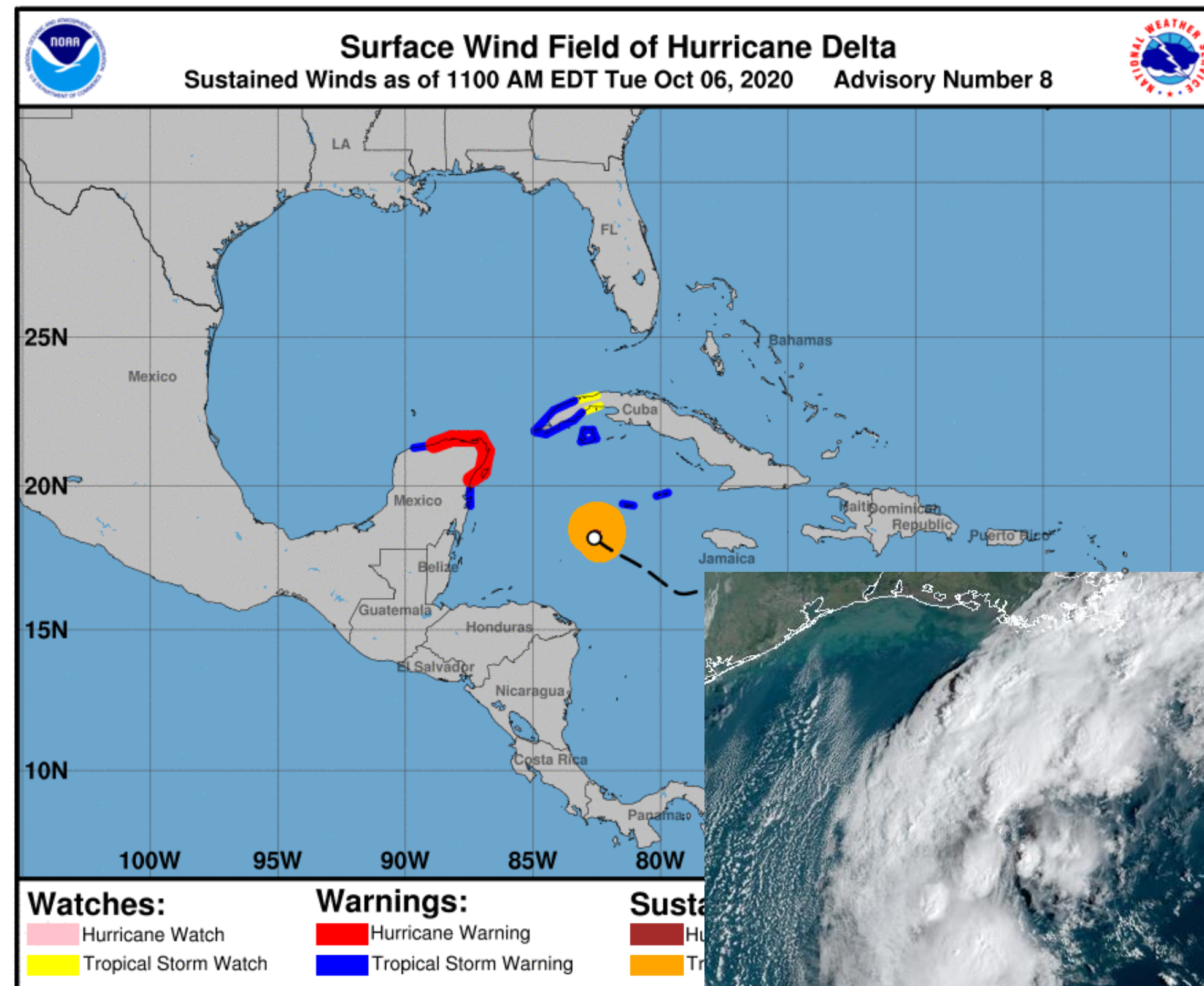
www.nhc.noaa.gov

Situation Overview

Hurricane Delta



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NWS National Hurricane Center



...REPORTS FROM A NOAA HURRICANE HUNTER AIRCRAFT INDICATE DELTA IS NOW A CATEGORY THREE HURRICANE...

...EXPECTED TO BE AN EXTREMELY DANGEROUS HURRICANE WHEN IT REACHES THE NORTHEASTERN COAST OF THE YUCATAN PENINSULA...

SUMMARY OF 1000 AM CDT INFORMATION

LOCATION...18.2N 82.6W

ABOUT 275 NM ESE OF COZUMEL MEXICO

MAXIMUM SUSTAINED WINDS...100 KT

PRESENT MOVEMENT...WNW AT 14 KT

64 KT..... 20NE 15SE 10SW 15NW.

50 KT..... 40NE 30SE 20SW 30NW.

34 KT..... 80NE 60SE 40SW 70NW.

12 FT SEAS..120NE 45SE 30SW 90NW

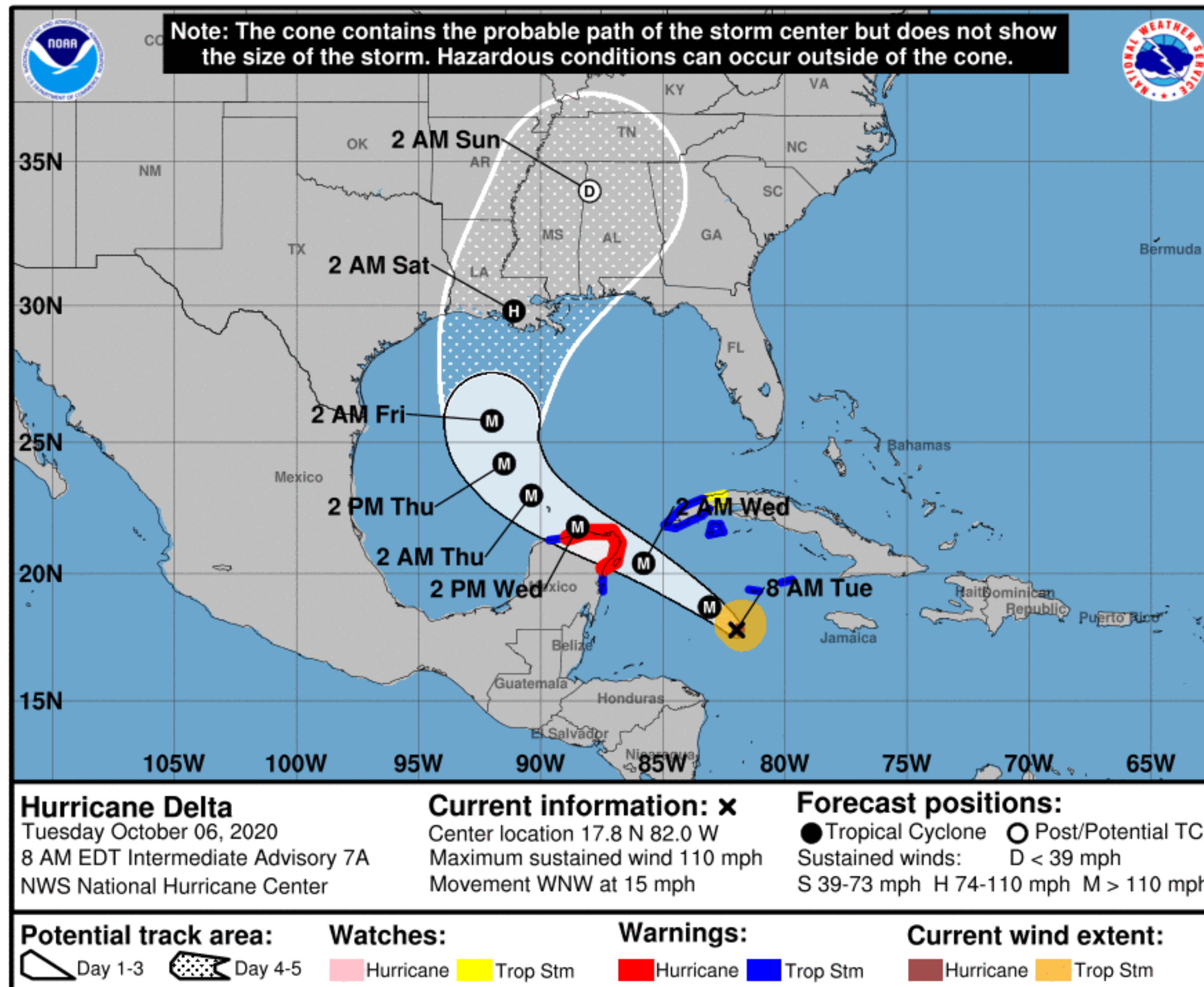
PEAK SEAS 25 FT

Forecast Information

Hurricane Delta



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

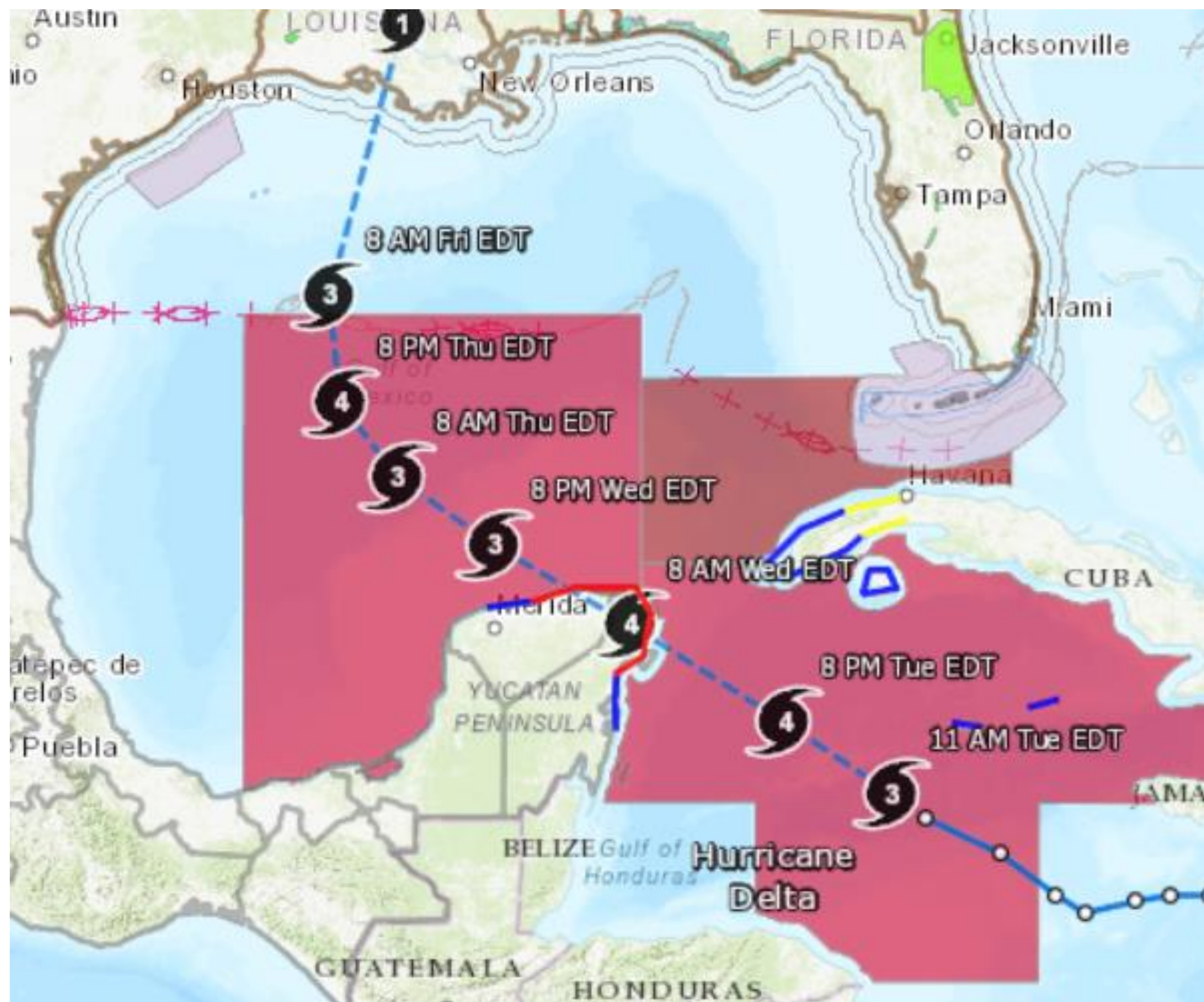
- Delta expected to weaken slightly over Mexico then become a major hurricane again over the Gulf of Mexico; may weaken slightly before U.S. landfall
- The system should move toward the NW through Thursday, turn toward the N on Friday, and then NNE or NE on Saturday
- Landfall as a hurricane anywhere from Louisiana through Alabama is expected sometime between Friday and Saturday morning
- Current center forecast positions through the next 5 days 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

Hurricane Delta



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- Small Craft Advisory
- Hurricane Warning
- Tropical Storm Warning

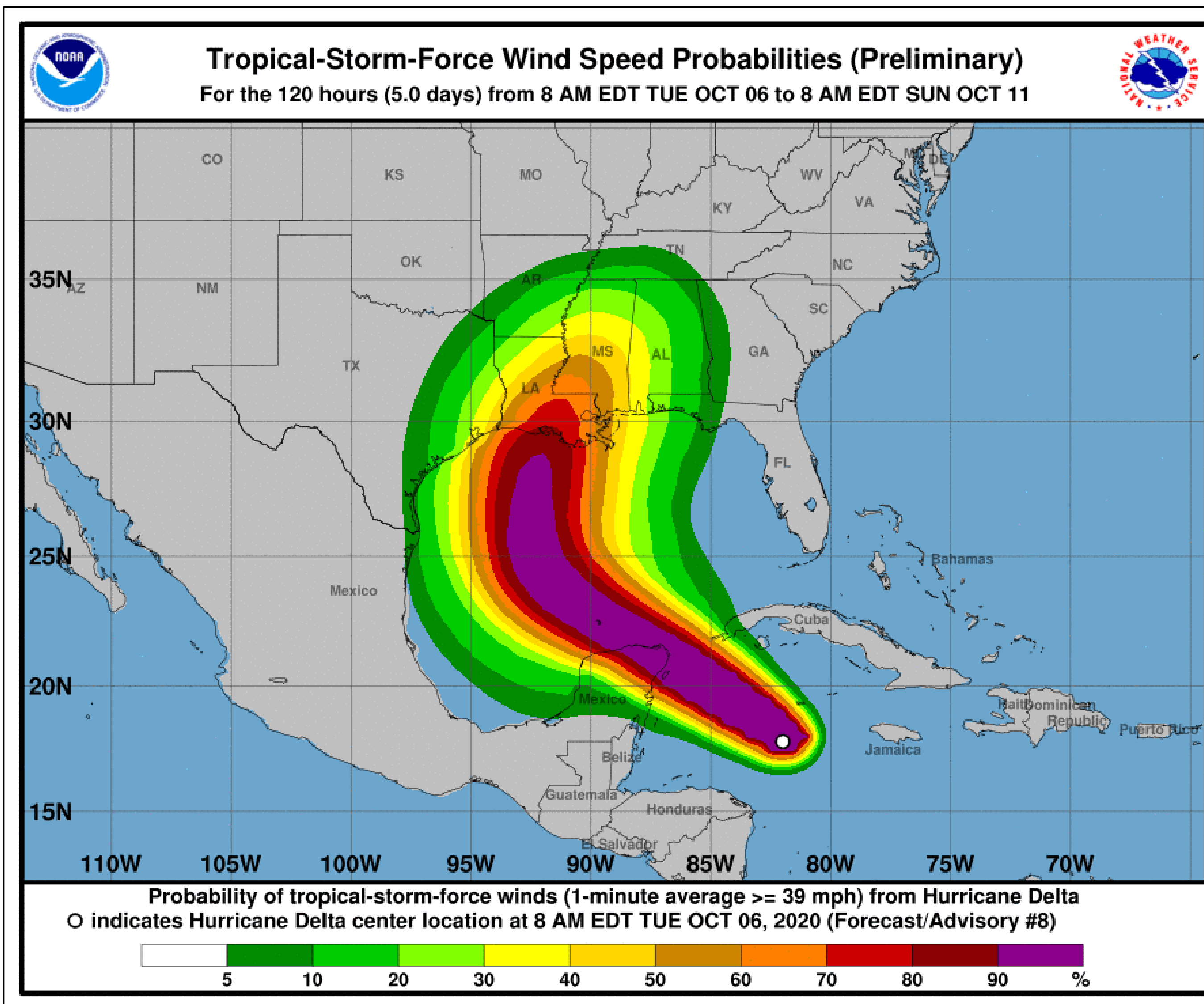
- <https://nowcoast.noaa.gov/>

T.S. Wind Speed Probabilities

Hurricane Delta



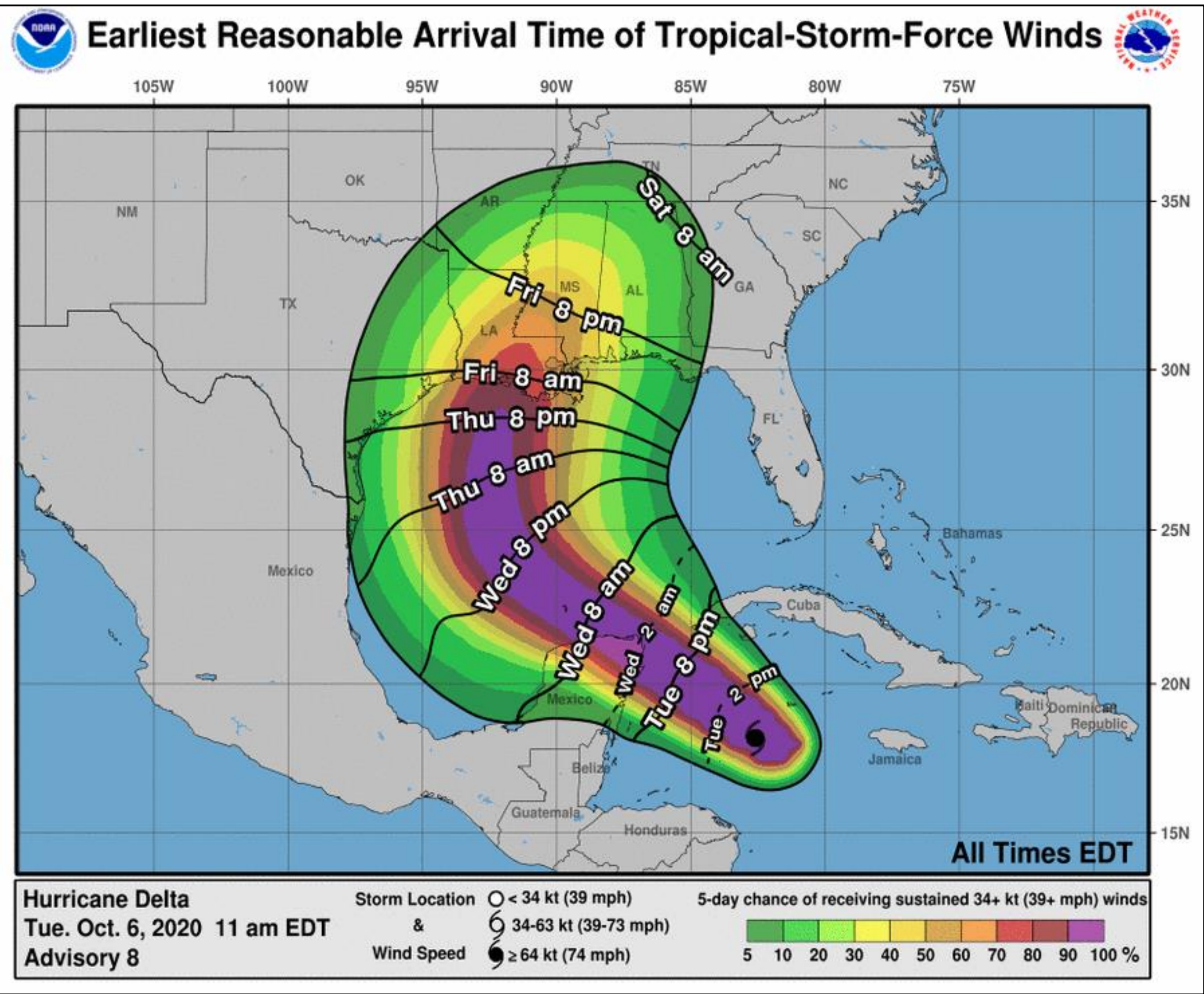
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- **Panama City, FL – 15%**
 - **Pensacola, FL – 30%**
 - **Mobile, AL – 40%**
 - **Gulfport/Pascagoula, MS – 50%**
 - **New Orleans, LA – 65%**
 - **Venice/Grand Isle, LA – 55%**
 - **Morgan City, LA – 70%**
 - **Vermillion Bay, LA – 75%**
 - **Cameron, LA – 60%**
 - **Lake Charles, LA – 50%**
 - **Port Arthur, LA (Sabine Pass) – 40%**
 - **Galveston, TX – 40%**
 - **Freeport, TX – 25%**
 - **Port O'Connor, TX – 20%**
 - **Rockport, TX – 10%**
- 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.



Hurricane Delta



- **Louisiana/E Texas Coast – Friday morning**
- **Mississippi/Alabama/NW Florida – Friday noon**
- 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.

Hurricane Wind Speed Probabilities

Hurricane Delta



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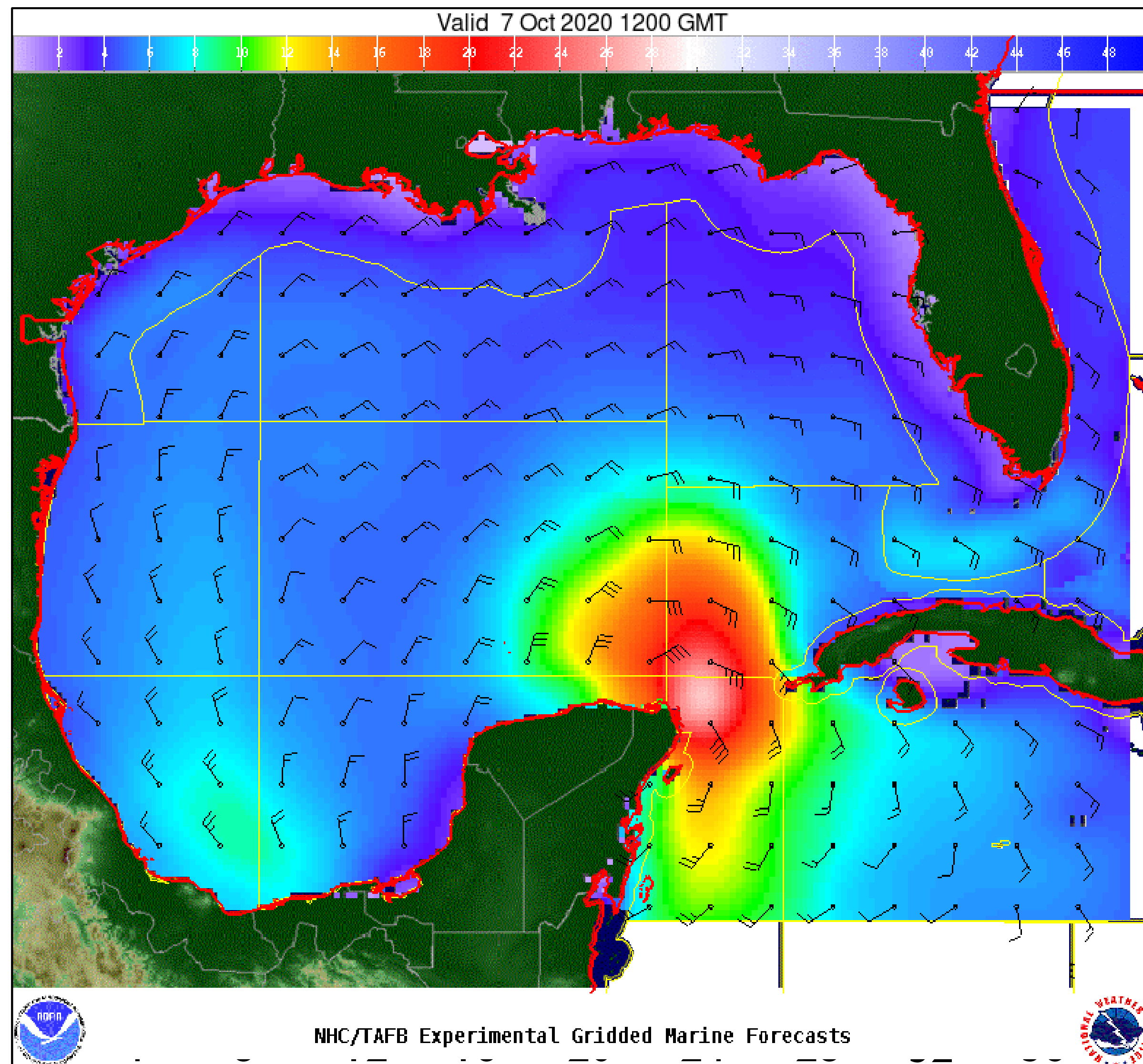
- **Mobile, AL – 5%**
- **Gulfport/Pascagoula, MS – 10%**
- **New Orleans, LA – 15%**
- **Venice/Grand Isle, LA – 10%**
- **Morgan City, LA – 20%**
- **Vermillion Bay, LA – 20%**
- **Cameron, LA – 20%**
- **Lake Charles, LA – 15%**
- **Port Arthur, LA (Sabine Pass) – 10%**
- **Galveston, TX – 10%**
- 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%.
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Wind And Waves

Hurricane Delta



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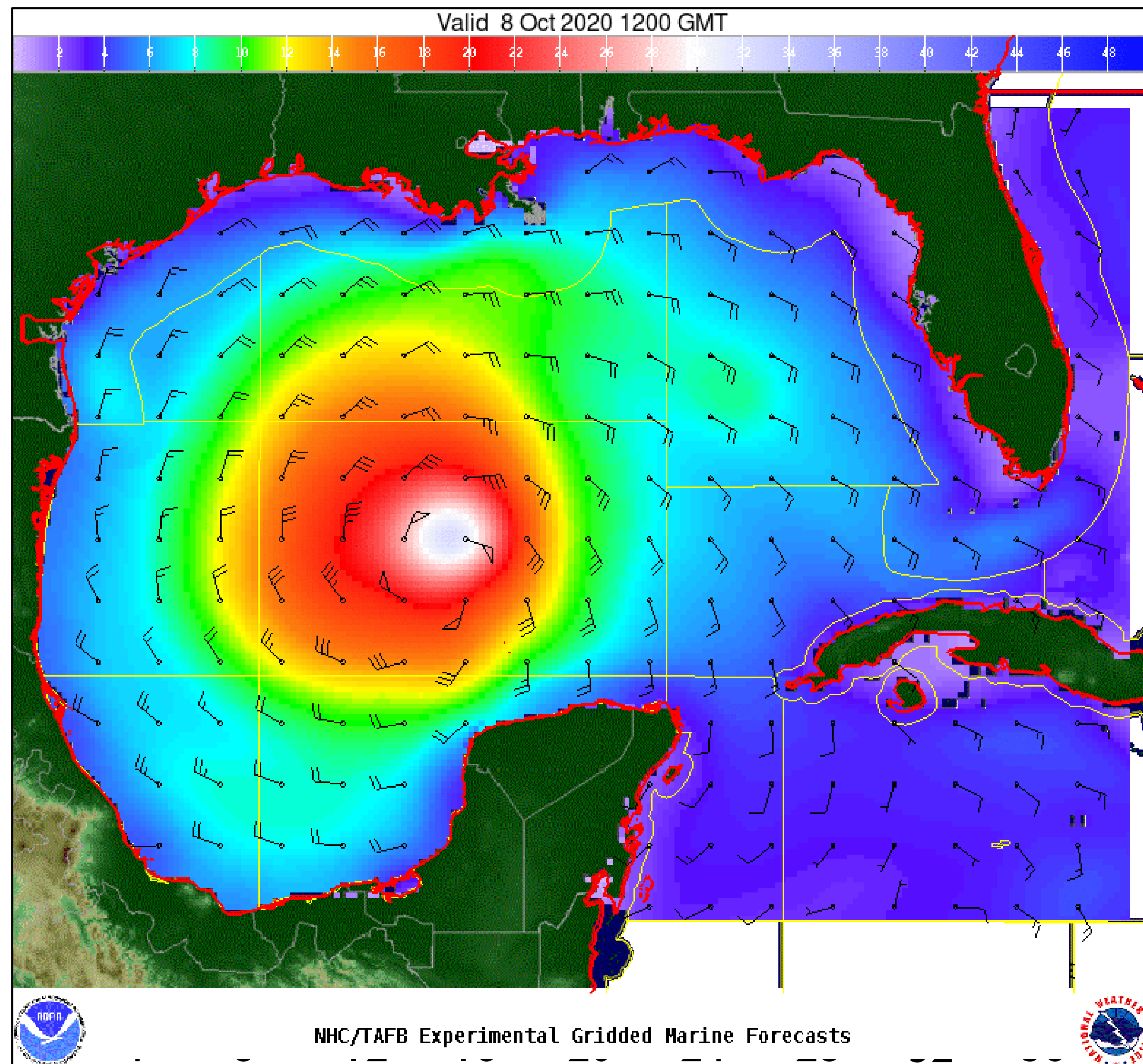
24 Hour Forecast
7am CDT, Wednesday, October 7th, 2020
Peak Winds: 120 kt
Peak Seas: 30 ft

Wind And Waves

Hurricane Delta



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48 Hour Forecast

7am CDT, Thursday, October 8th, 2020

Peak Winds: 110 kt

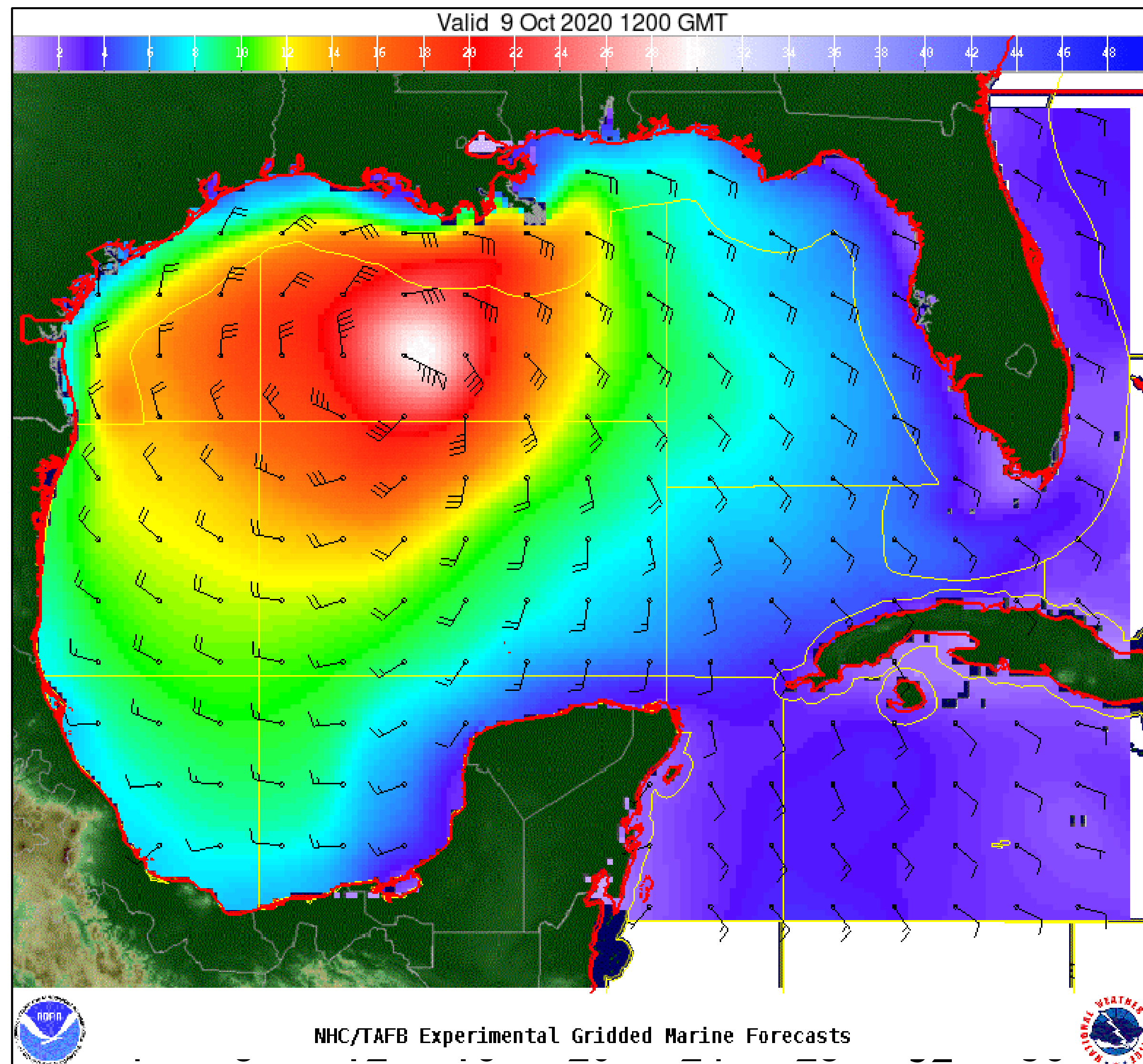
Peak Seas: 35 ft

Wind And Waves

Hurricane Delta



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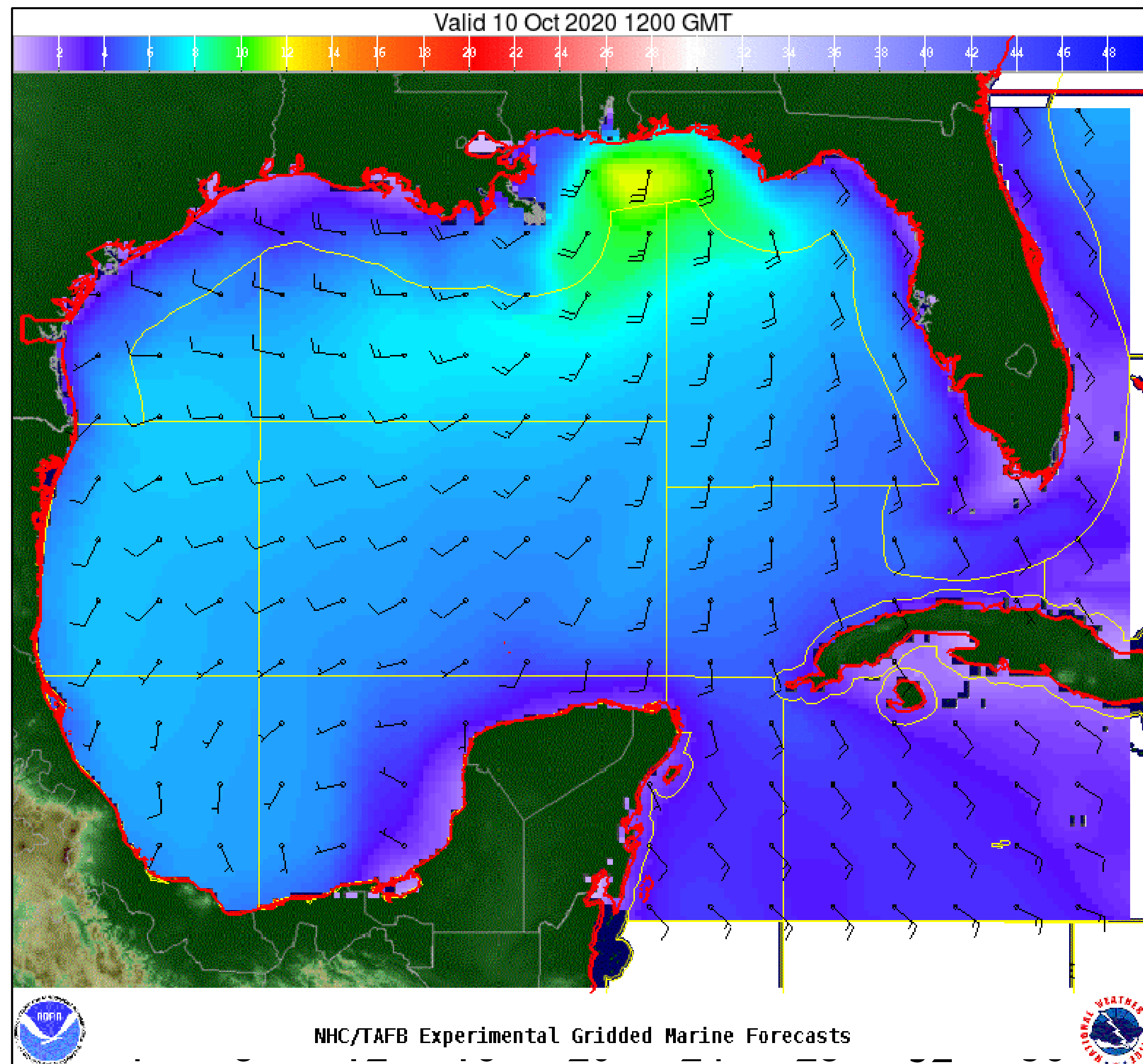
72 Hour Forecast
7am CDT, Friday, October 9th, 2020
Peak Winds: 110 kt
Peak Seas: 35 ft

Wind And Waves

Hurricane Delta



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NWS National Hurricane Center



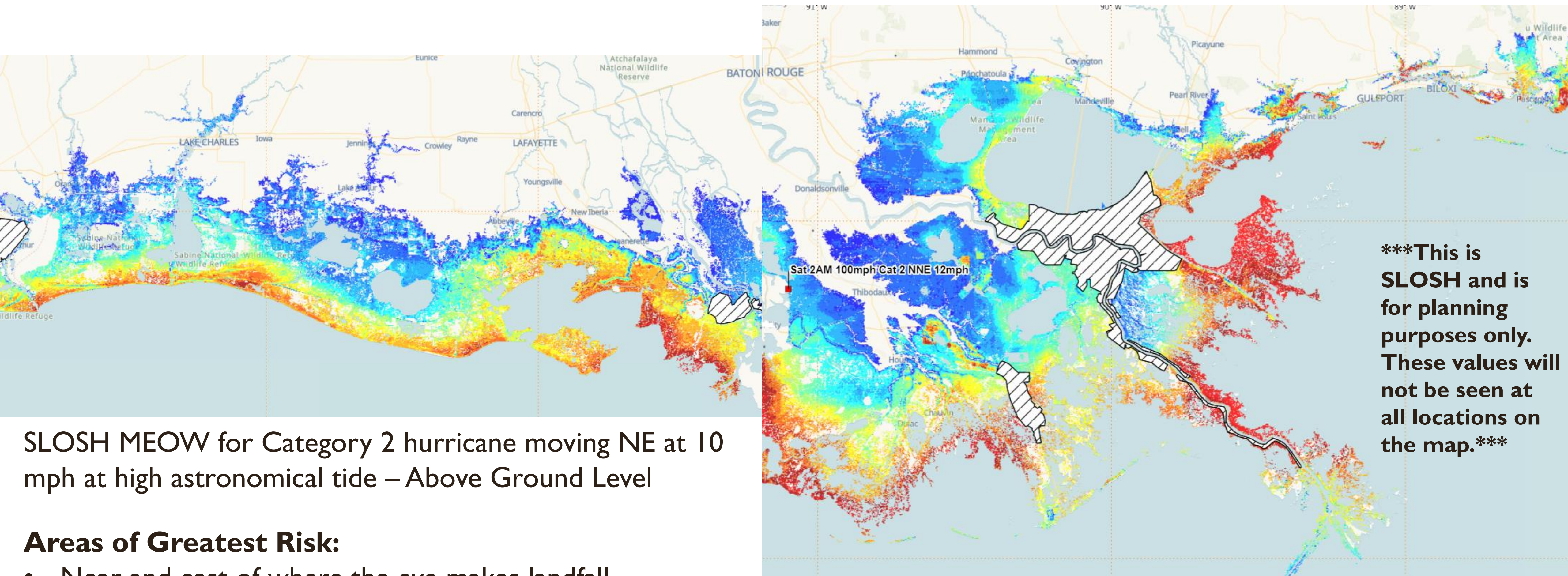
96 Hour Forecast
7am CDT, Saturday, October 10th, 2020
Peak Winds: 70 kt
Peak Seas: 15 ft

Possible Peak Storm Surge Inundation

Hurricane Delta



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*****This is SLOSH and is for planning purposes only. These values will not be seen at all locations on the map.*****

SLOSH M2OW for Category 2 hurricane moving NE at 10 mph at high astronomical tide – Above Ground Level

Areas of Greatest Risk:

- Near and east of where the eye makes landfall

Timing:

- Storm surge inundation could begin as early as Friday morning

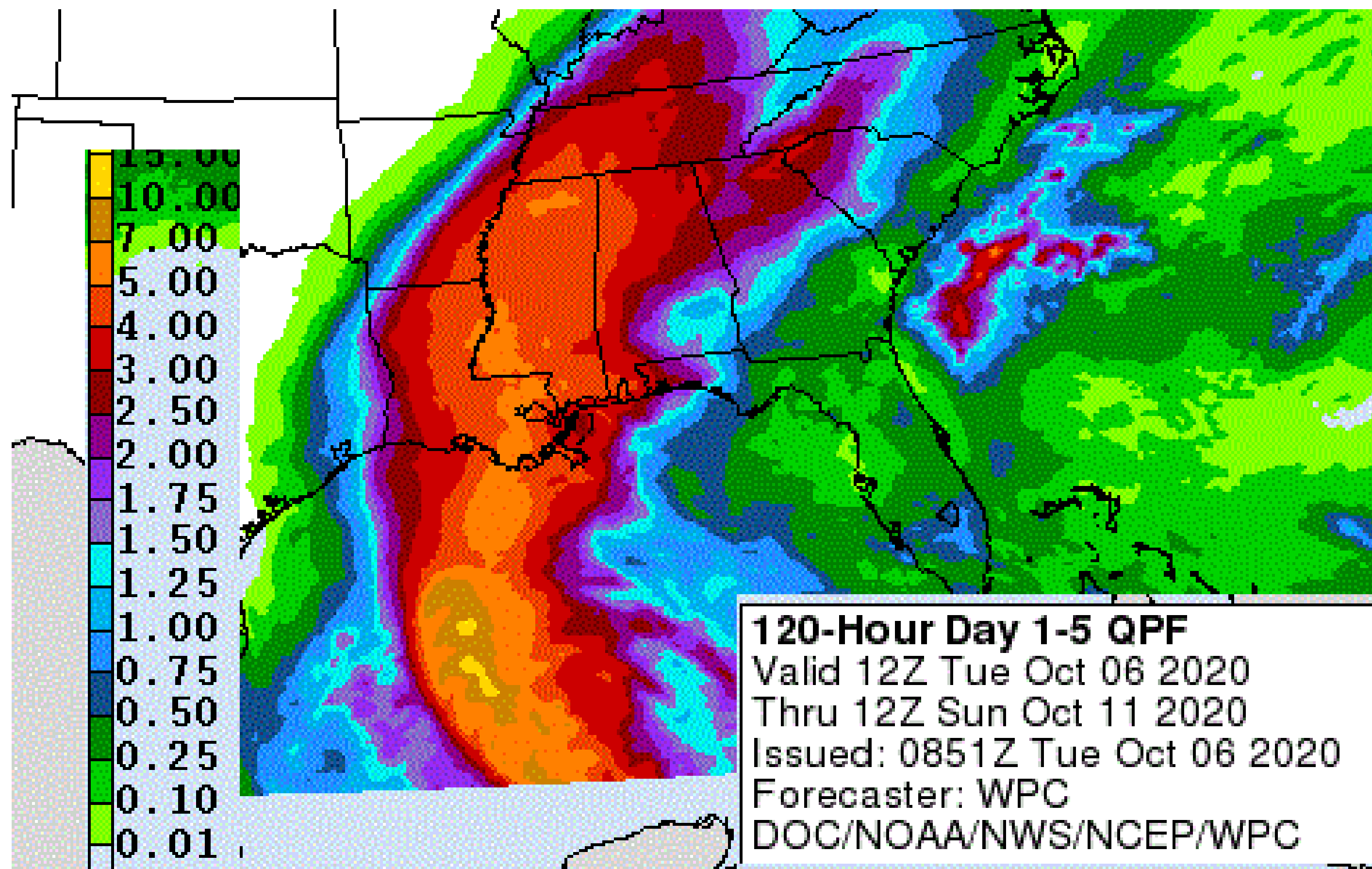
 Leveed Area (consult local officials for flood risk)

Expected Storm Total Rainfall

Hurricane Delta



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- Total rainfall in inches through Sunday morning

Key Messages

Hurricane Delta



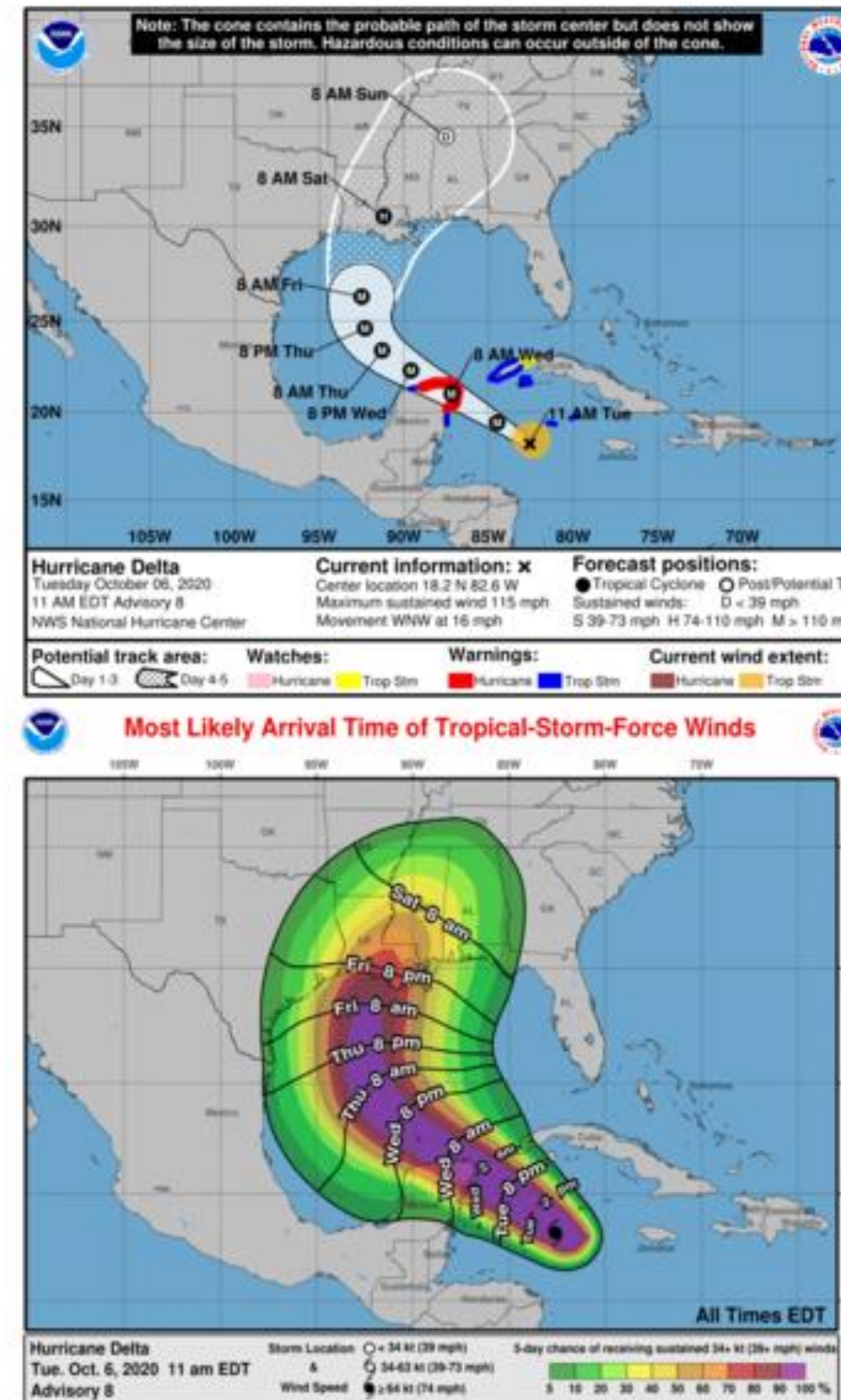
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Key Messages for Hurricane Delta Advisory 8: 11:00 AM EDT Tue Oct 06, 2020



1. Extremely dangerous storm surge and hurricane conditions are expected within portions of the northern Yucatan Peninsula of Mexico beginning tonight, and a Hurricane Warning is in effect.
2. Heavy rainfall will affect portions of the Cayman Islands, western Cuba and the northern Yucatan Peninsula through midweek. This rainfall could lead to significant flash flooding and mudslides. The potential for heavy rain and flash flooding will increase across portions of the central Gulf Coast, Tennessee Valley, and southeastern United States as Delta moves inland later this week.
3. There is an increasing likelihood of life-threatening storm surge and dangerous hurricane-force winds, especially along the coasts of Louisiana and Mississippi, beginning on Friday. Residents in these areas should ensure they have their hurricane plan in place and monitor updates to the forecast.



For more information go to hurricanes.gov

IMPACTS FOR D8 (through next 5 days)

Winds – **High**

Storm Surge – **High**

Rainfall/Flash Flooding – **Moderate**

Tornadoes – **Low**

Waves - **High**



HURRICANE DELTA BRIEFING

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

*The Next Briefing Will Be:
Wednesday 11 AM CDT*

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



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