



# HURRICANE DELTA BRIEFING

4:30 PM CT

Tuesday, October 06, 2020

*Prepared by: WFO Houston/Galveston*

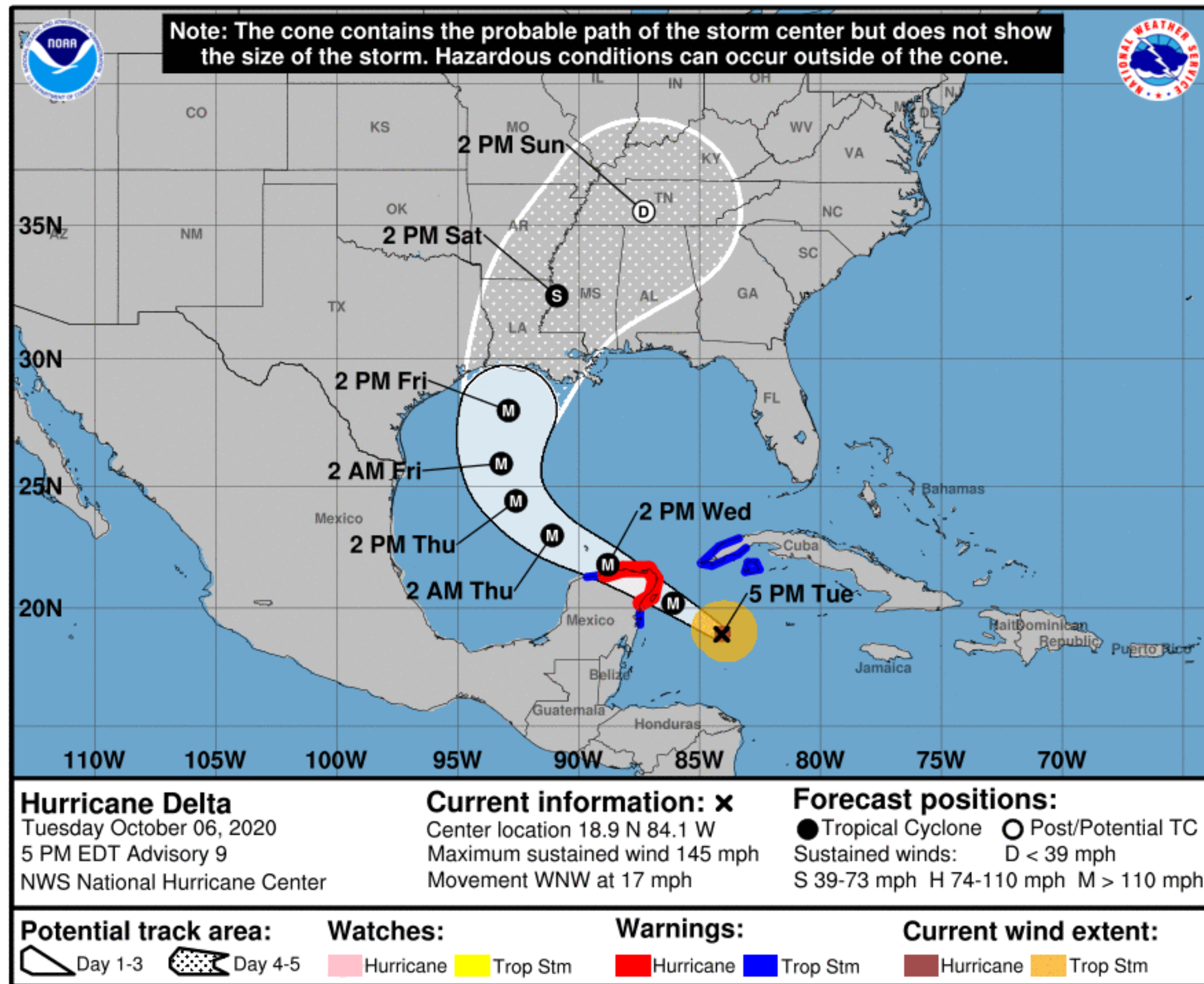
What has changed: First webinar for Delta. Track has shifted west somewhat. Louisiana landfall still likely but may see Texas impacts.

# Situation Overview

## Hurricane Delta



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- Hurricane Delta, now a category 4 hurricane, will most likely make landfall along Louisiana coast Friday night although exact track and timing uncertain.
- Some of the models take center more on a left side of cone track bringing center close to TX border. Still uncertainty in exact track of storm.
- Delta expected to be a large storm. Will likely bring elevated tides, high surf and possibly TS force winds to portions of the Upper TX coast.
- Will have a better handle on forecast as we get closer.

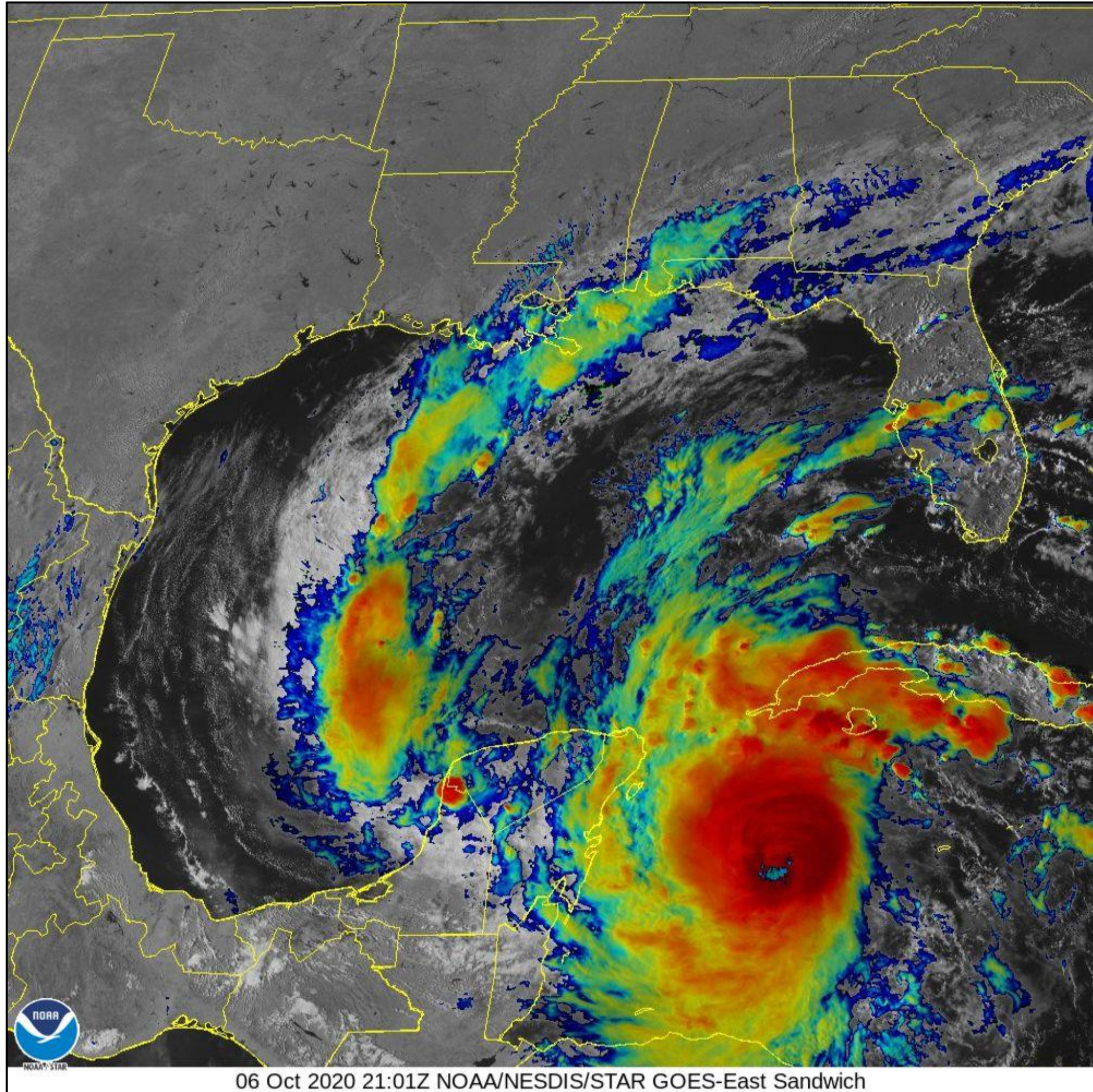
**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

# Current Satellite View

Hurricane Delta



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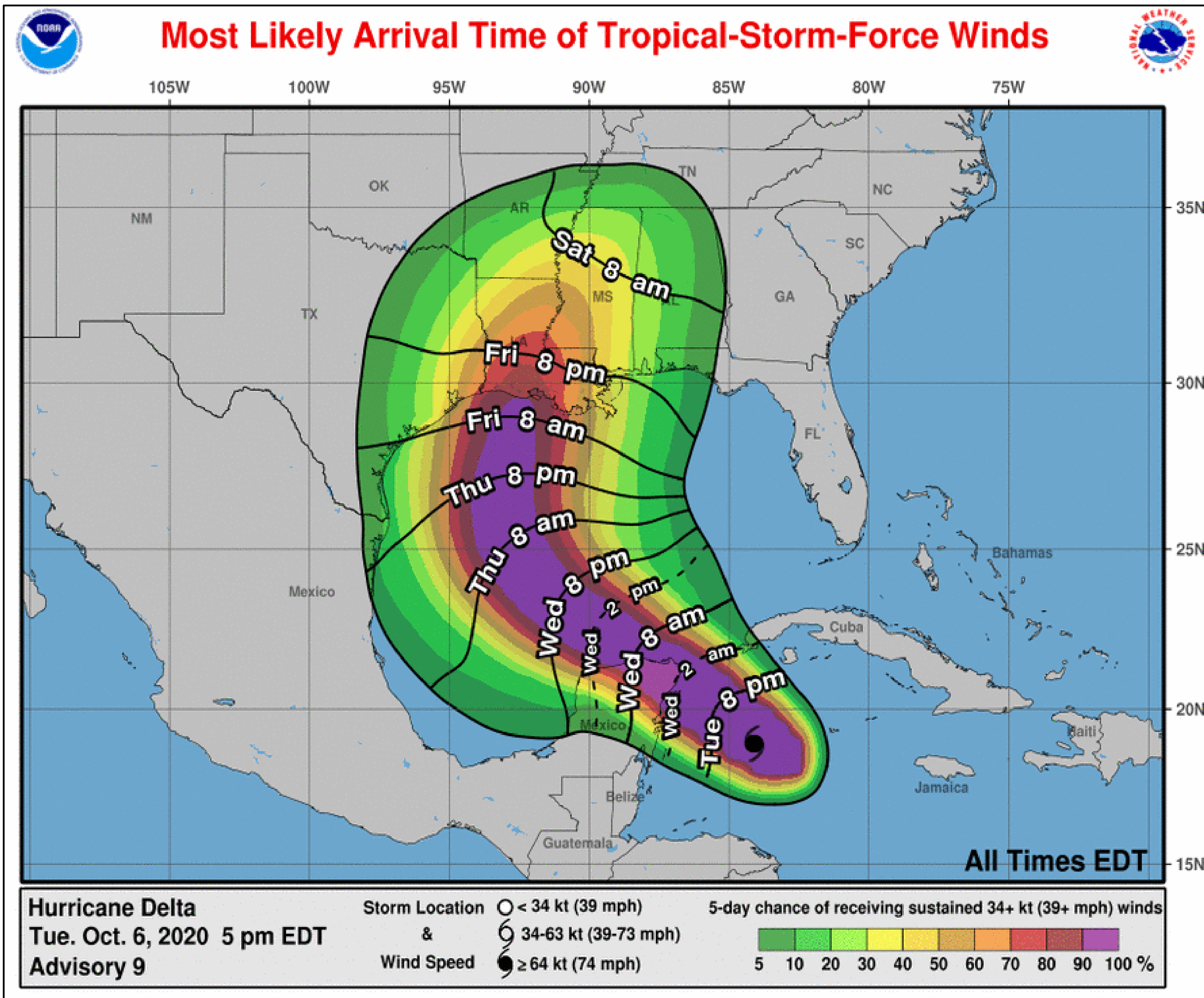
- Can see Hurricane Delta east of the Yucatan.
- Clear sky over Texas.

# Most Likely Time of Arrival

Hurricane Delta



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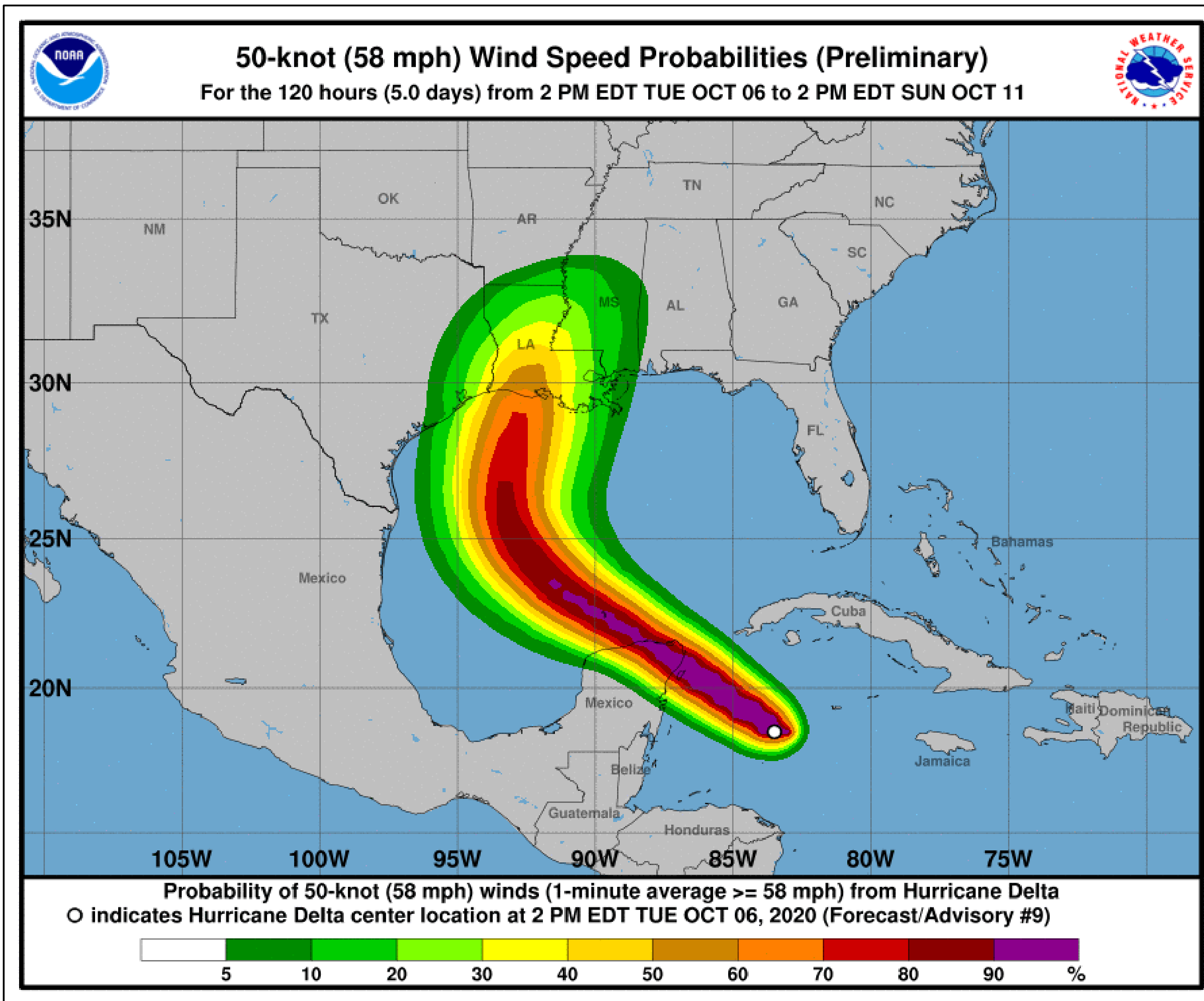
- The greatest point probability of TS force winds is over Louisiana but fairly high, 30 to 50 percent chance from Galveston Bay to the TX/LA border.
- The most likely time of arrival of Tropical Storm Force Winds would be Friday evening for the LA and Upper TX coast.

# 50kt Wind Speed Probabilities

Hurricane Delta



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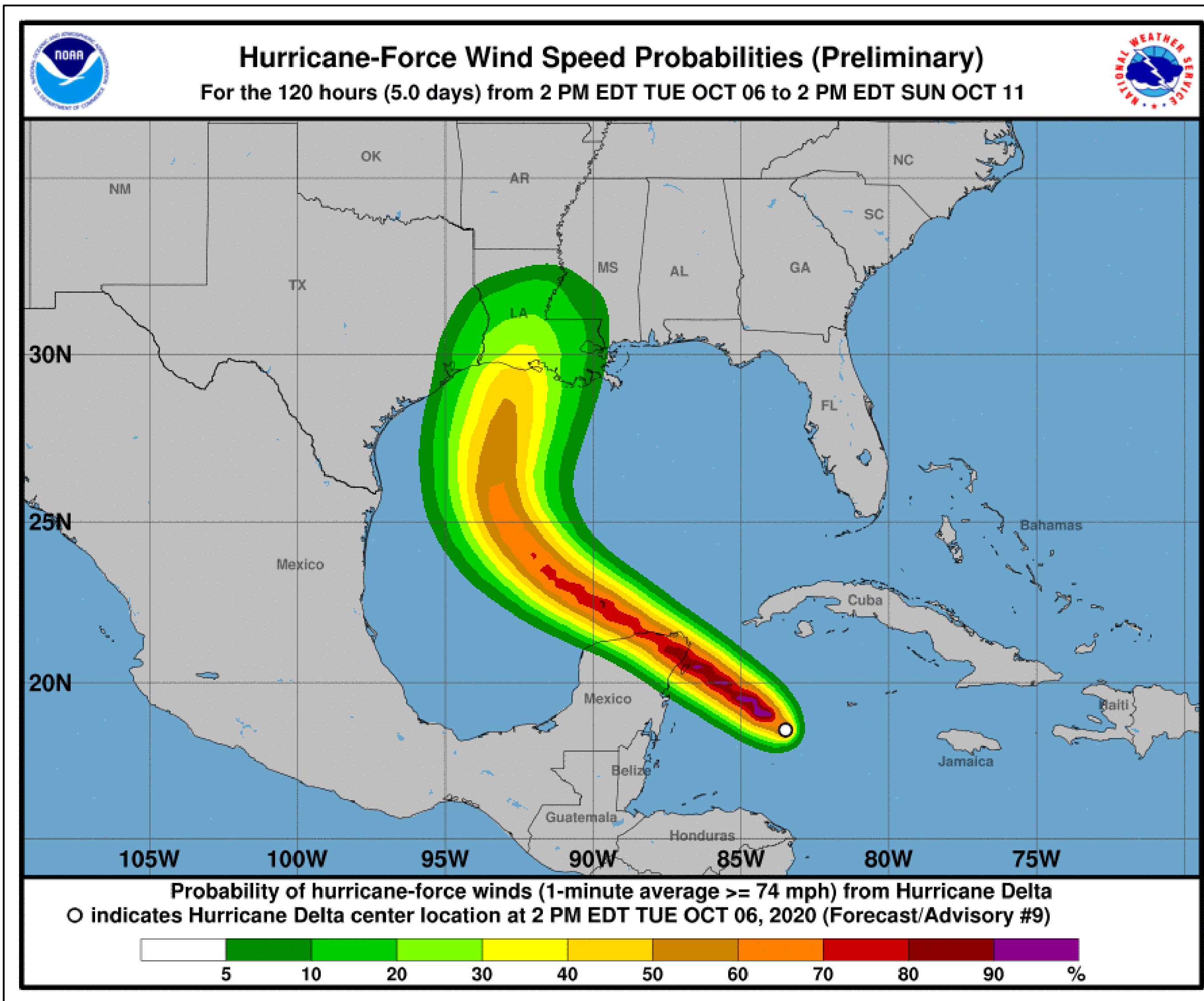
The greatest point probability of sustained 58 mph winds is over Louisiana, 10 to 30 percent chance from Galveston Bay to the TX/LA border.

# Hurricane Wind Speed Probabilities



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Hurricane Delta



The greatest point probability of sustained hurricane force winds is over Louisiana, 5 to 15 percent chance from Galveston Bay to the TX/LA border.

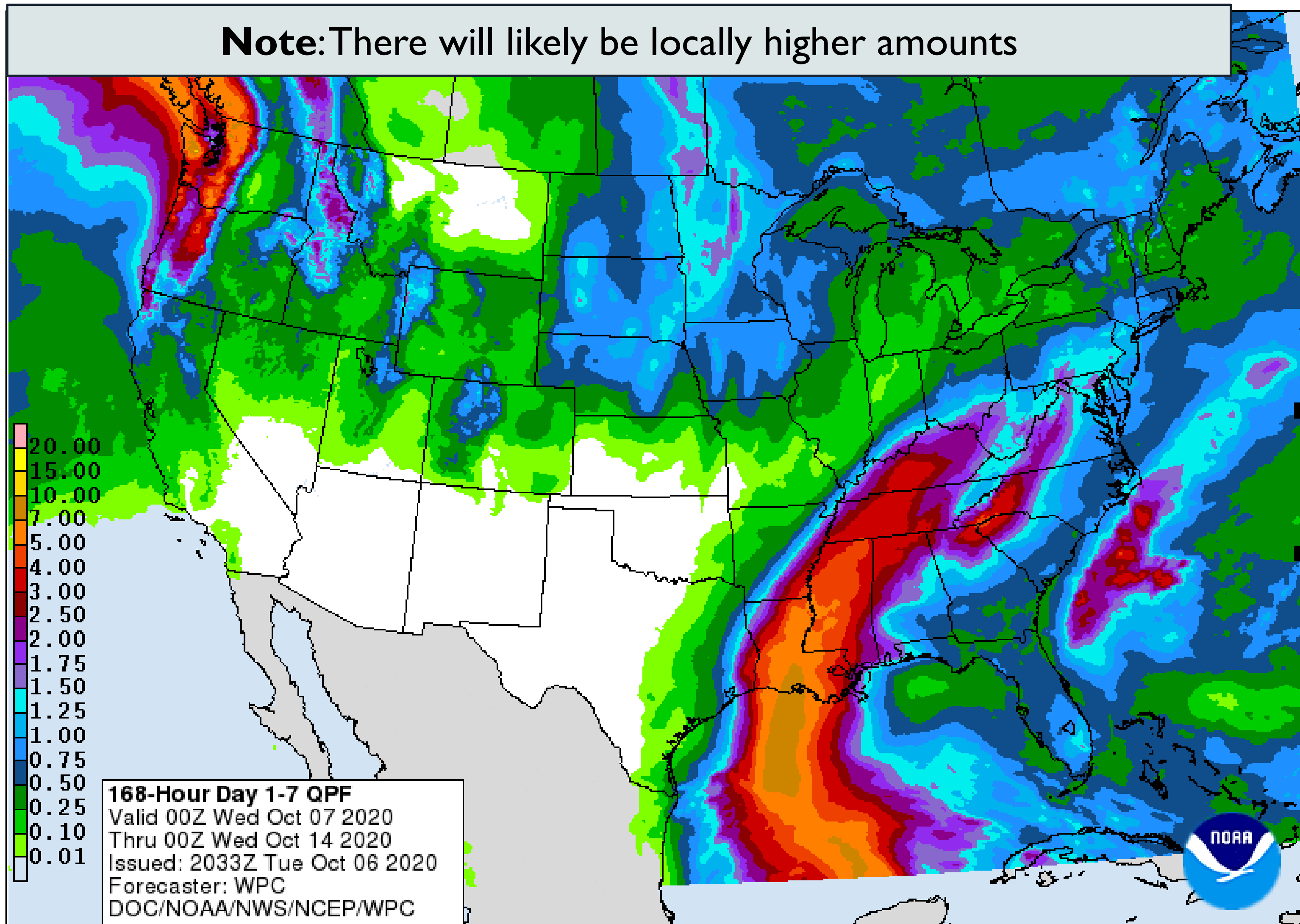
# Expected Storm Total Rainfall

Hurricane Delta



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**Note:** There will likely be locally higher amounts



- Storm Total rainfall forecast valid through
- Locally, most rain will occur

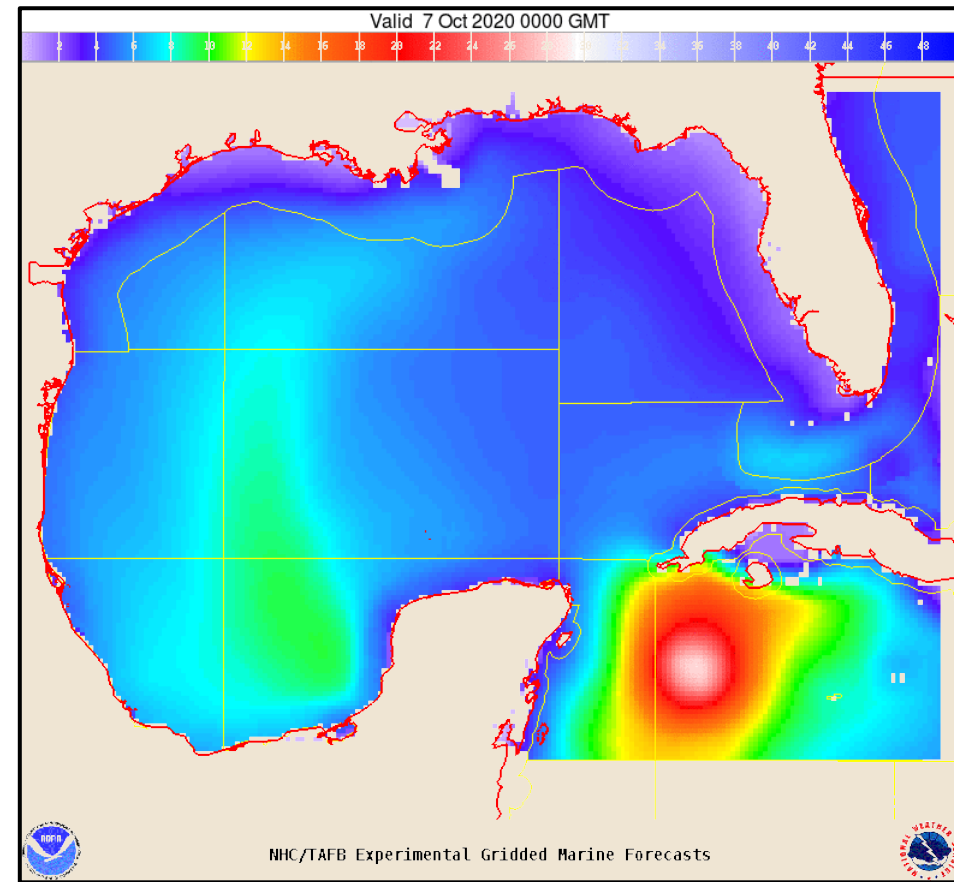
# Forecast Wave Heights



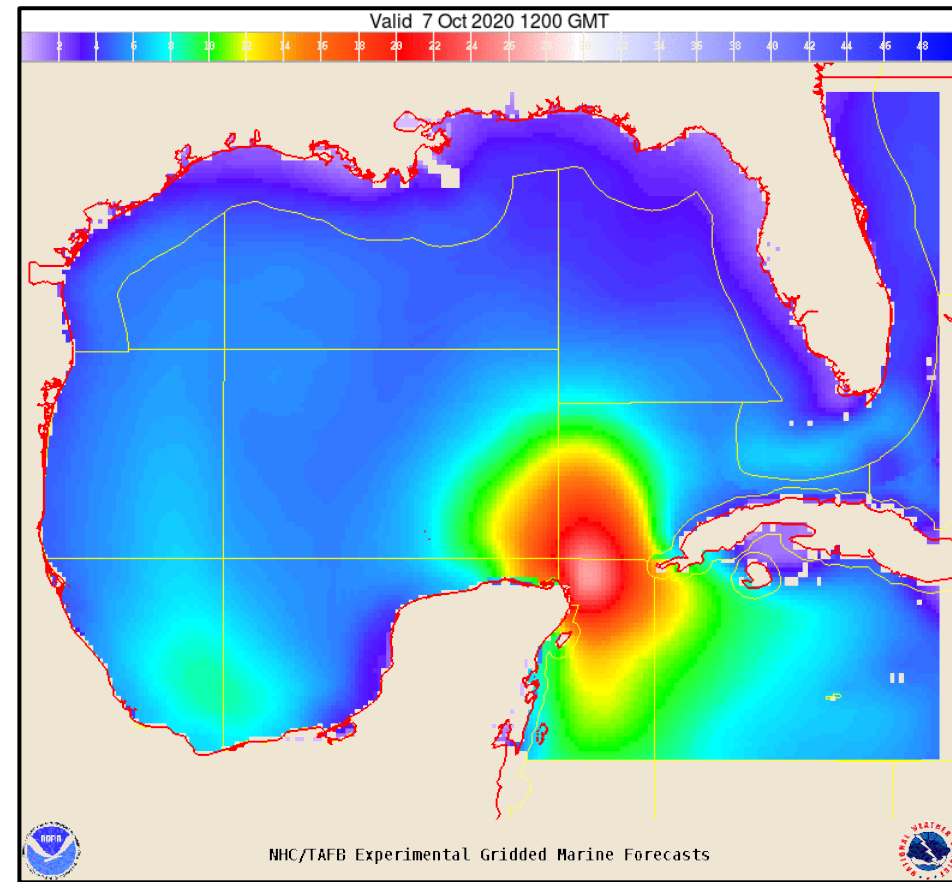
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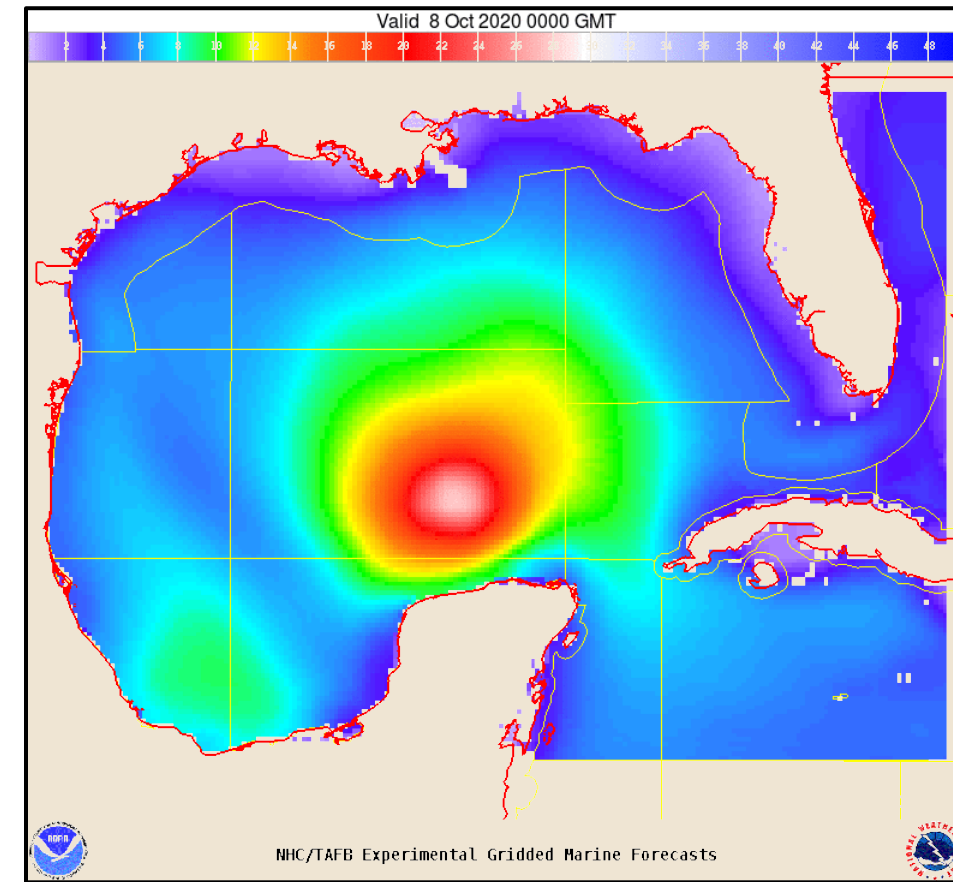
Swell begins to fill in Thursday



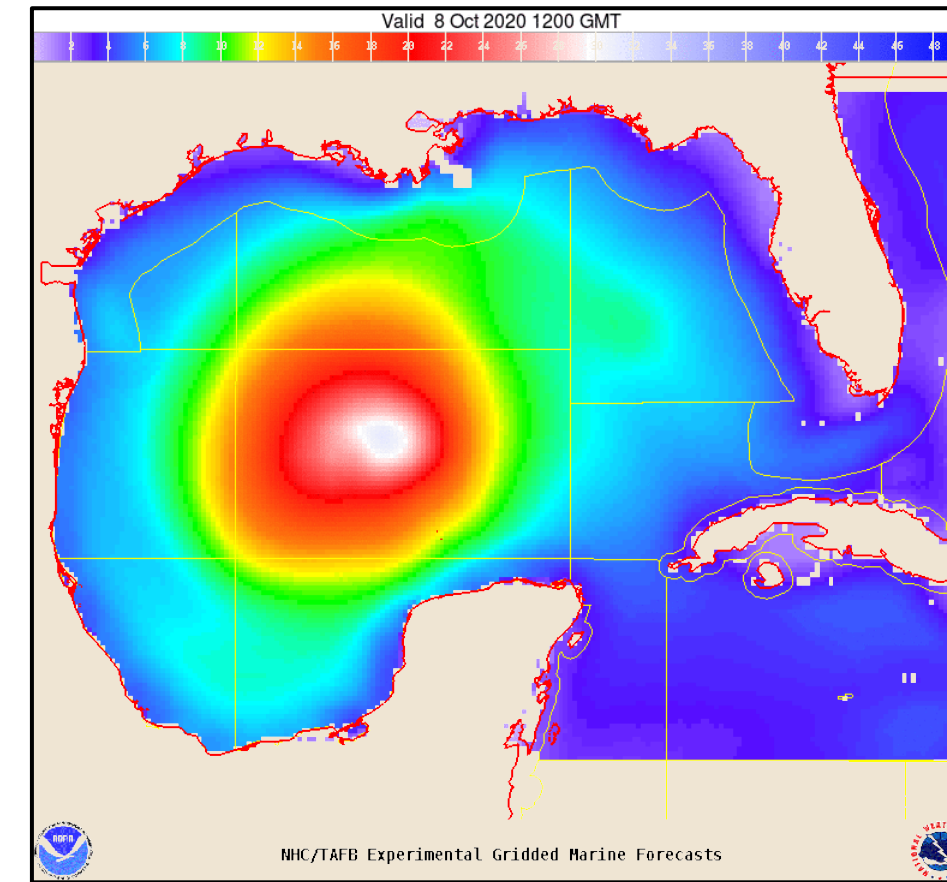
Tue pm



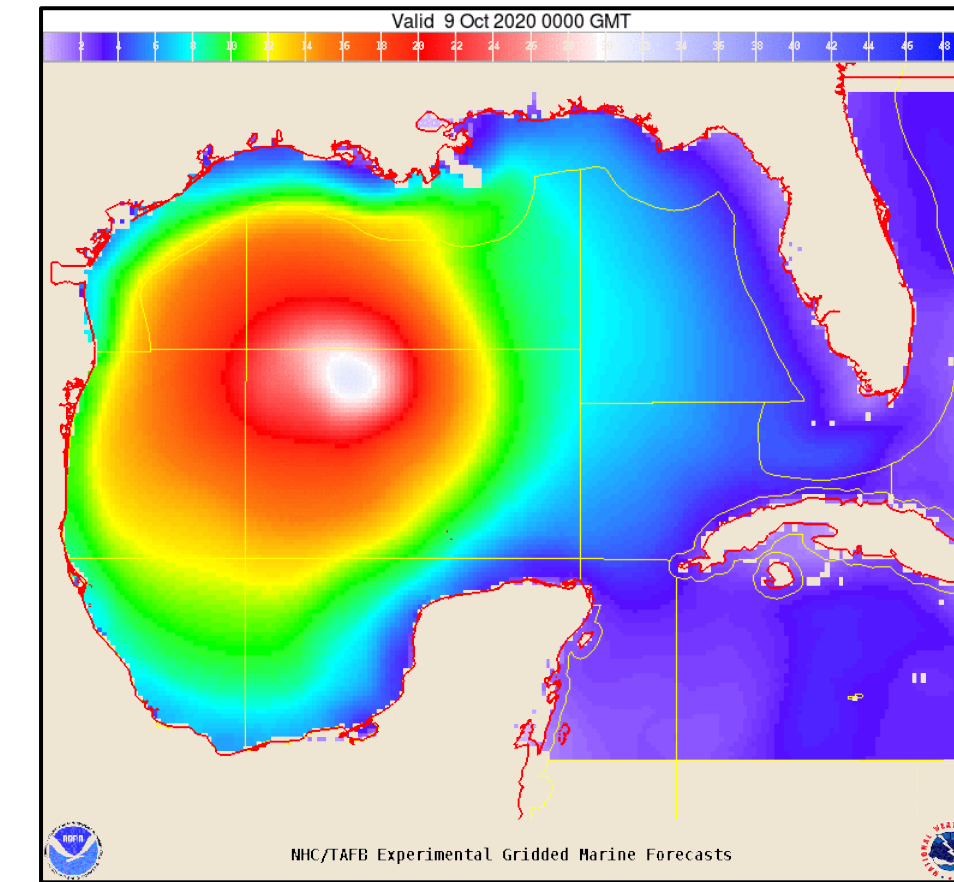
Wed am



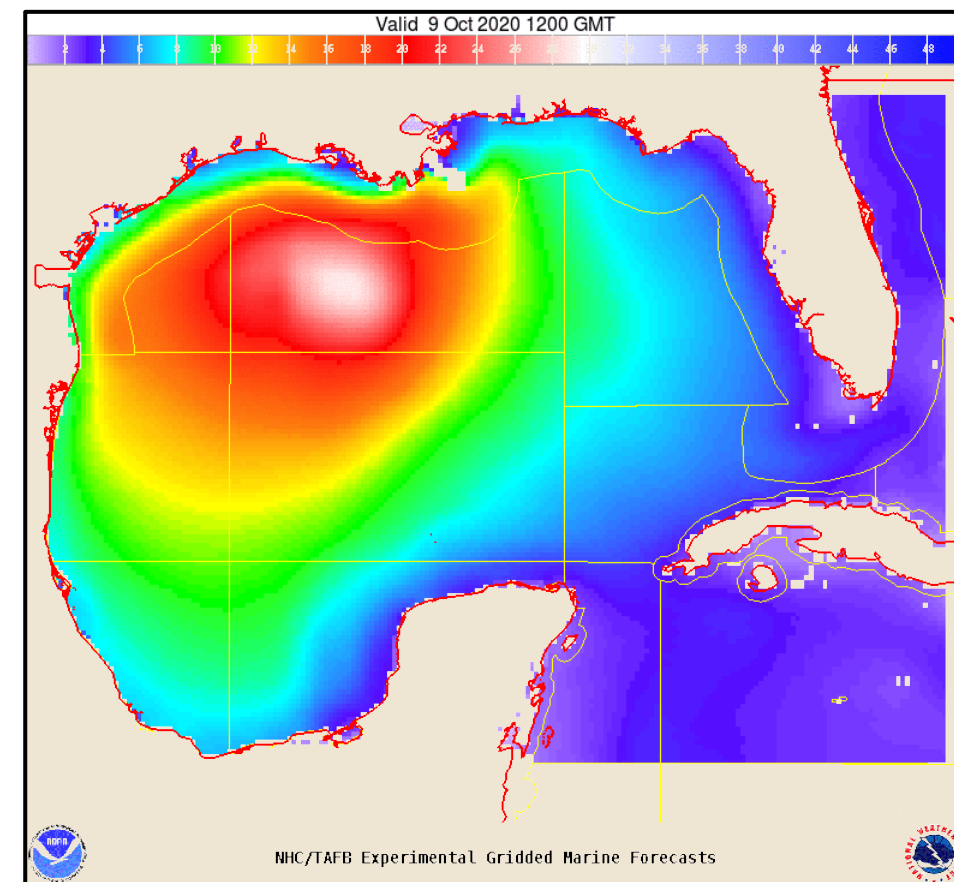
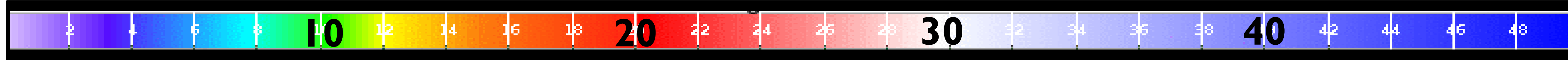
Wed pm



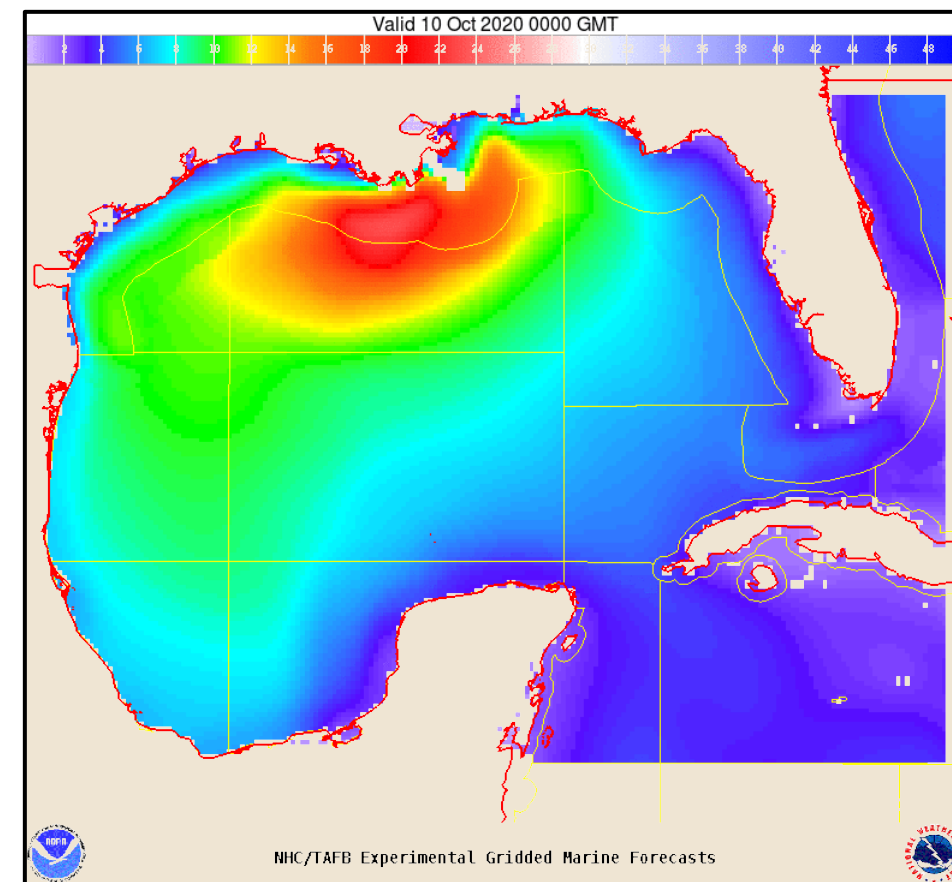
Thu am



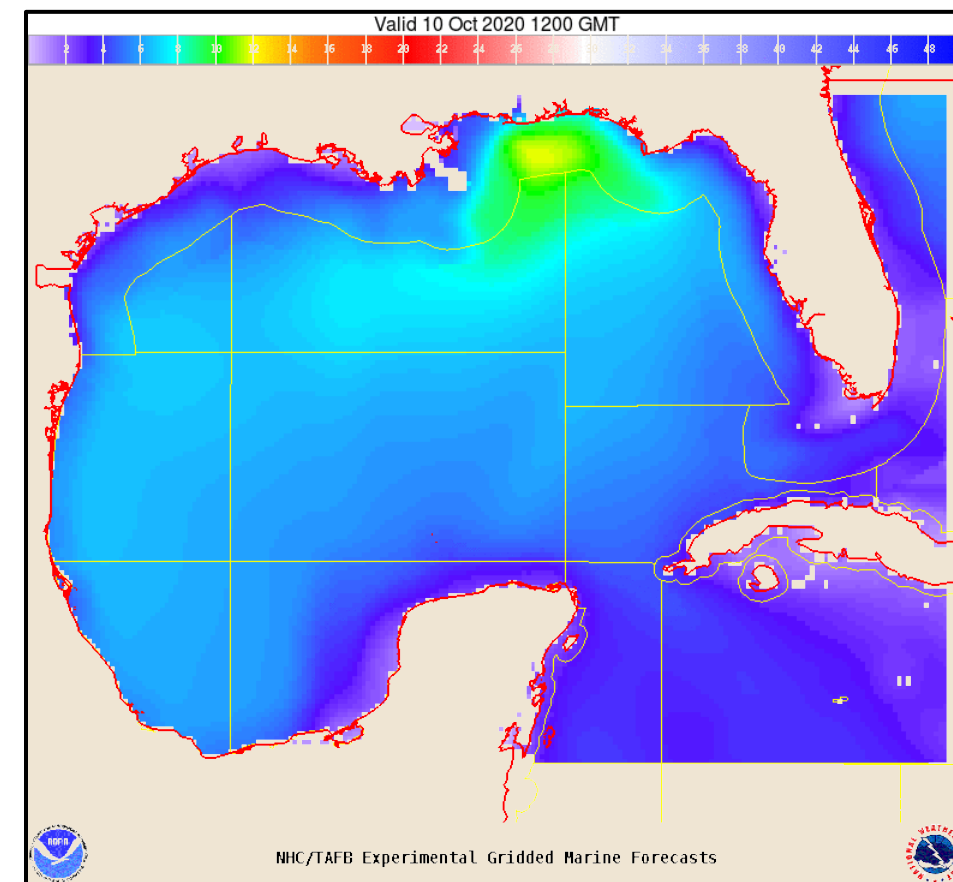
Thu pm



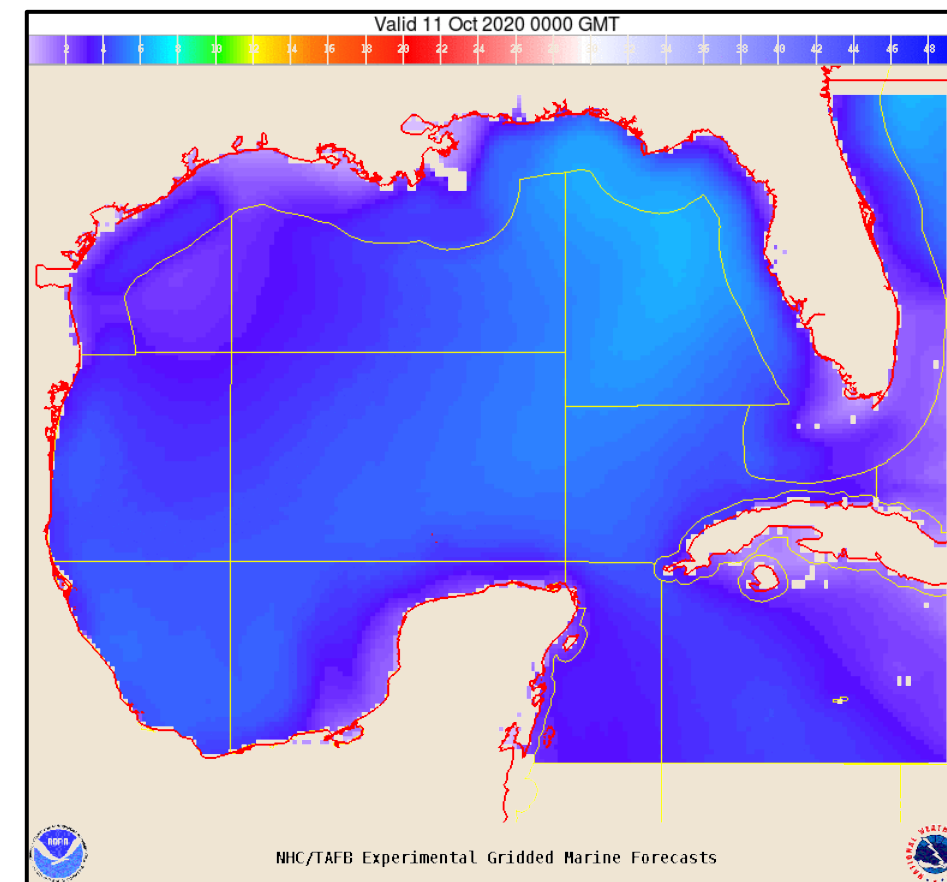
Fri am



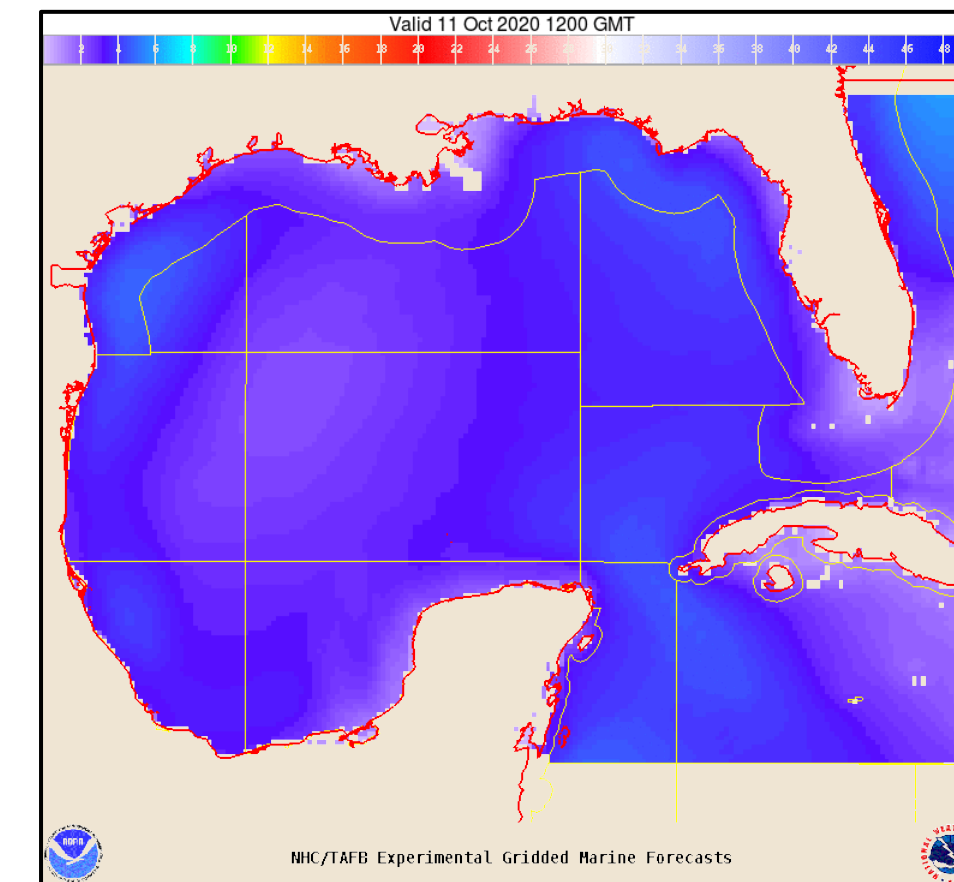
Fri pm



Sat am



Sat pm



Sun am

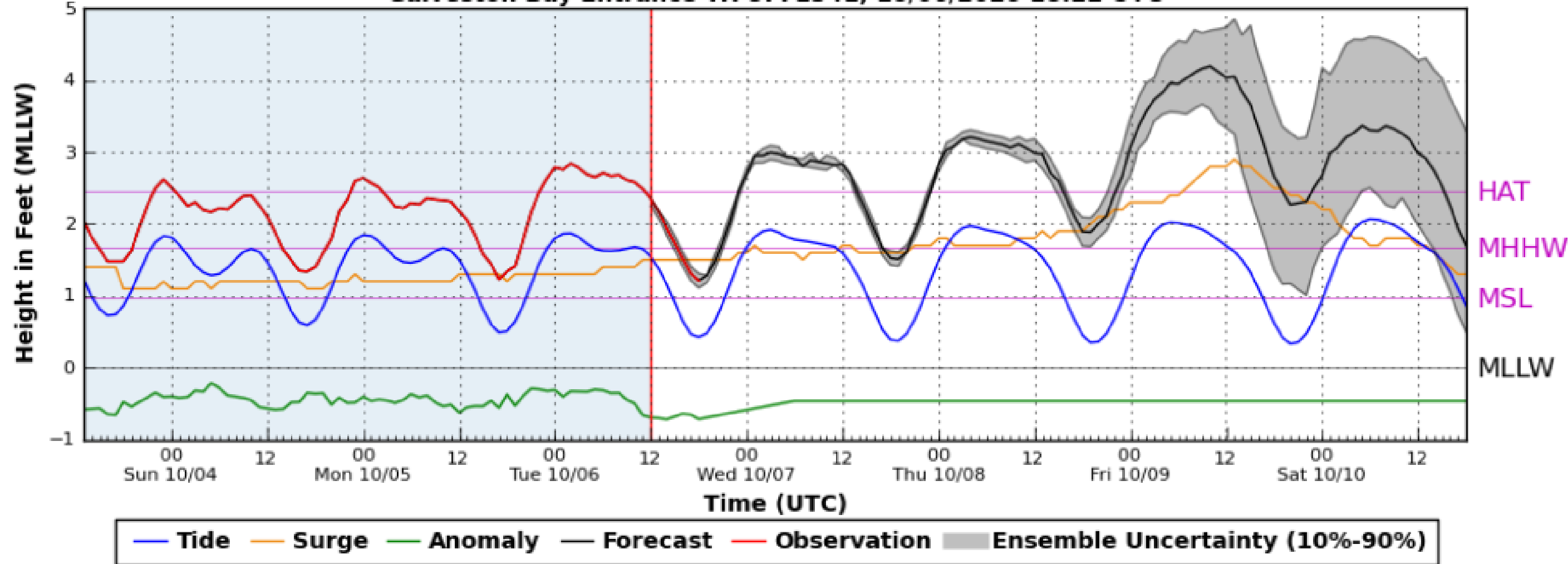
# Storm Surge

Hurricane Delta

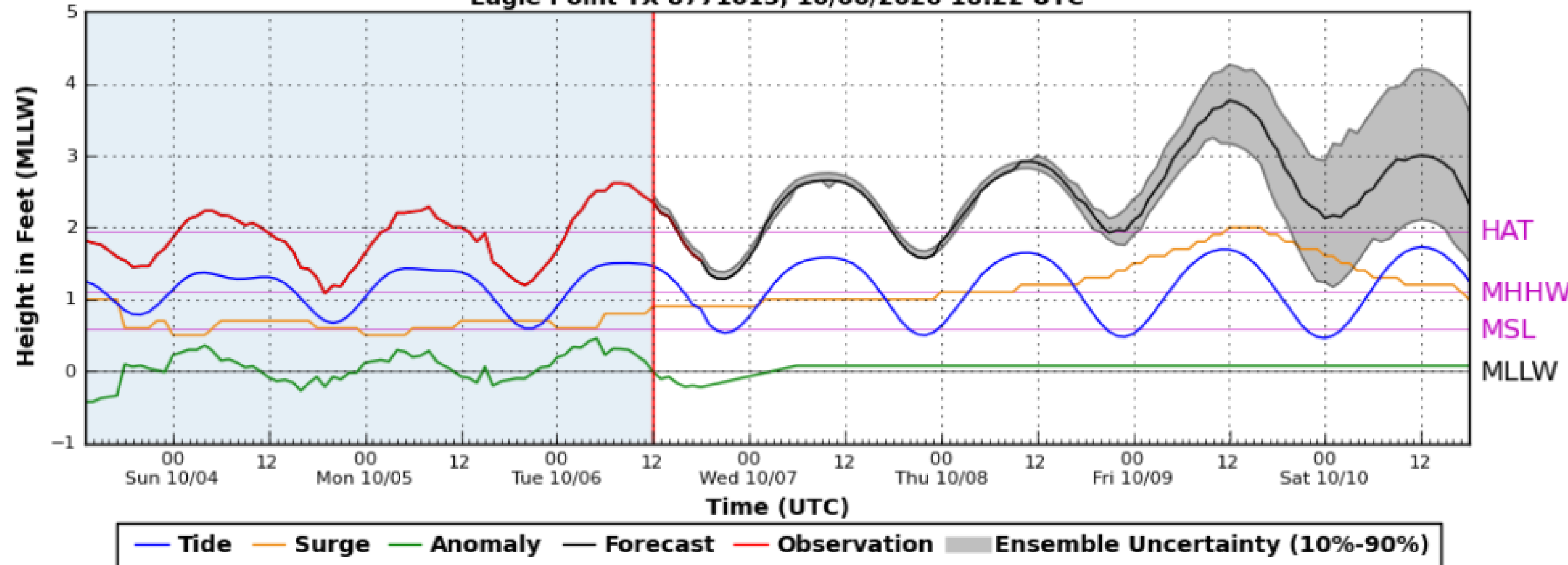


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Galveston Bay Entrance TX 8771341, 10/06/2020 18:22 UTC



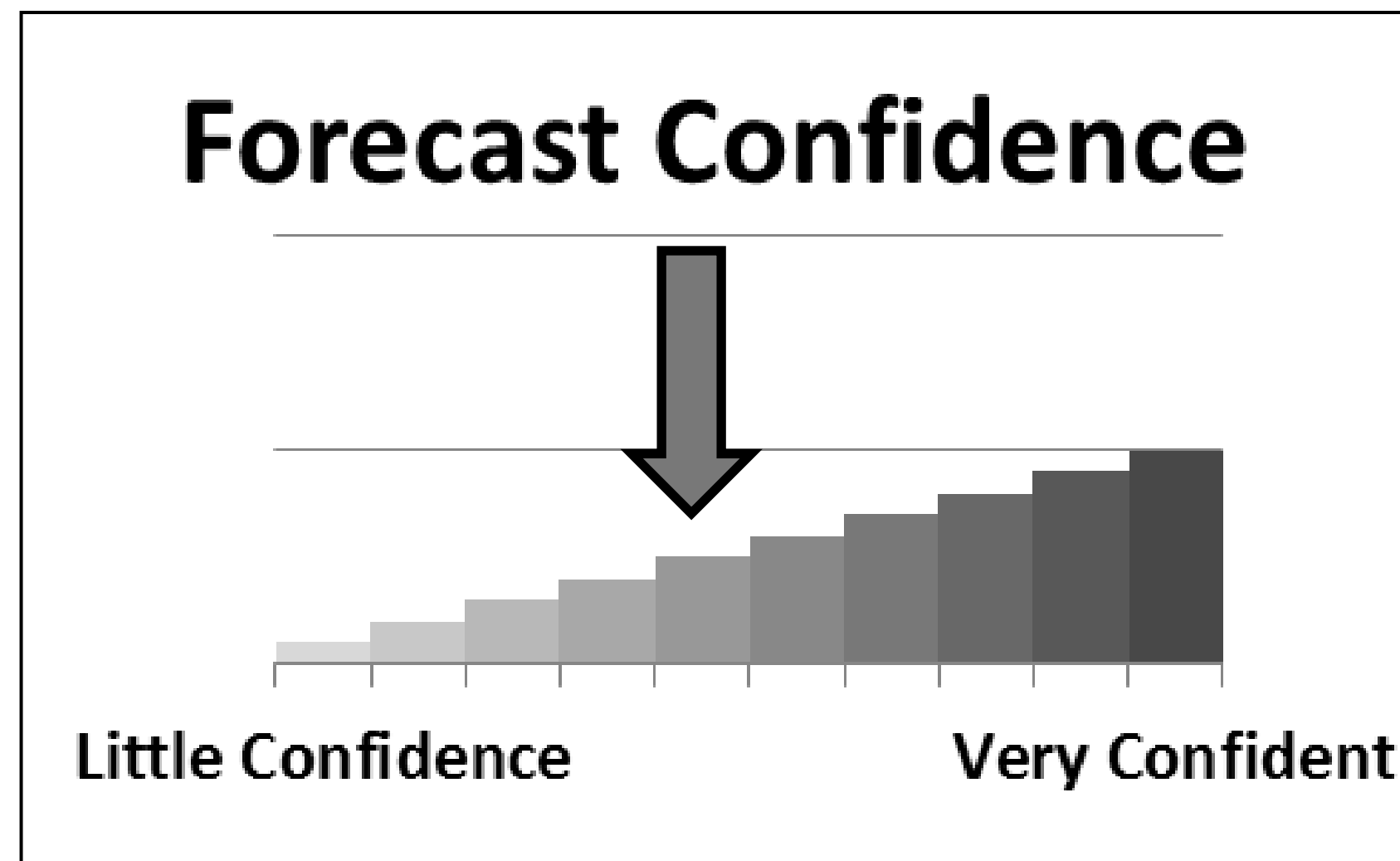
Eagle Point TX 8771013, 10/06/2020 18:22 UTC



- Shown observed water levels (red line) and forecast levels black line,
- Grey shaded area gives a range of possibilities.
- Doesn't fully account for impacts of wave runup, setup on Gulf Beaches.
- Stormtides peak near 4 to 4.5 feet Gulf side, 3.5 to 4 feet bay (best forecast based on current track).
- These values could change if track changes.



- Main impacts from Hurricane Delta would be elevated tides Gulf and Bays, surf along the beaches.
- Tropical storm winds possible especially from Galveston and Galveston Bay up the coast (details will depend on track).
- High seas, swells, elevated tides at Texas coast Thursday and Friday.



High confidence on surge and high surf impacts, elevated tides. Lower confidence on exact track and track dependent impacts (how high the winds, surge, rainfall, etc)



*The Next Advisory: Tuesday 10:00 PM CDT*  
*Next scheduled webinar: Wednesday 1030 am CDT*



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