



Weather Update: Rainfall and Possible Development of Tropical System in Gulf

2 PM CDT

Tuesday, September 11, 2018

Prepared by:

Dan Reilly



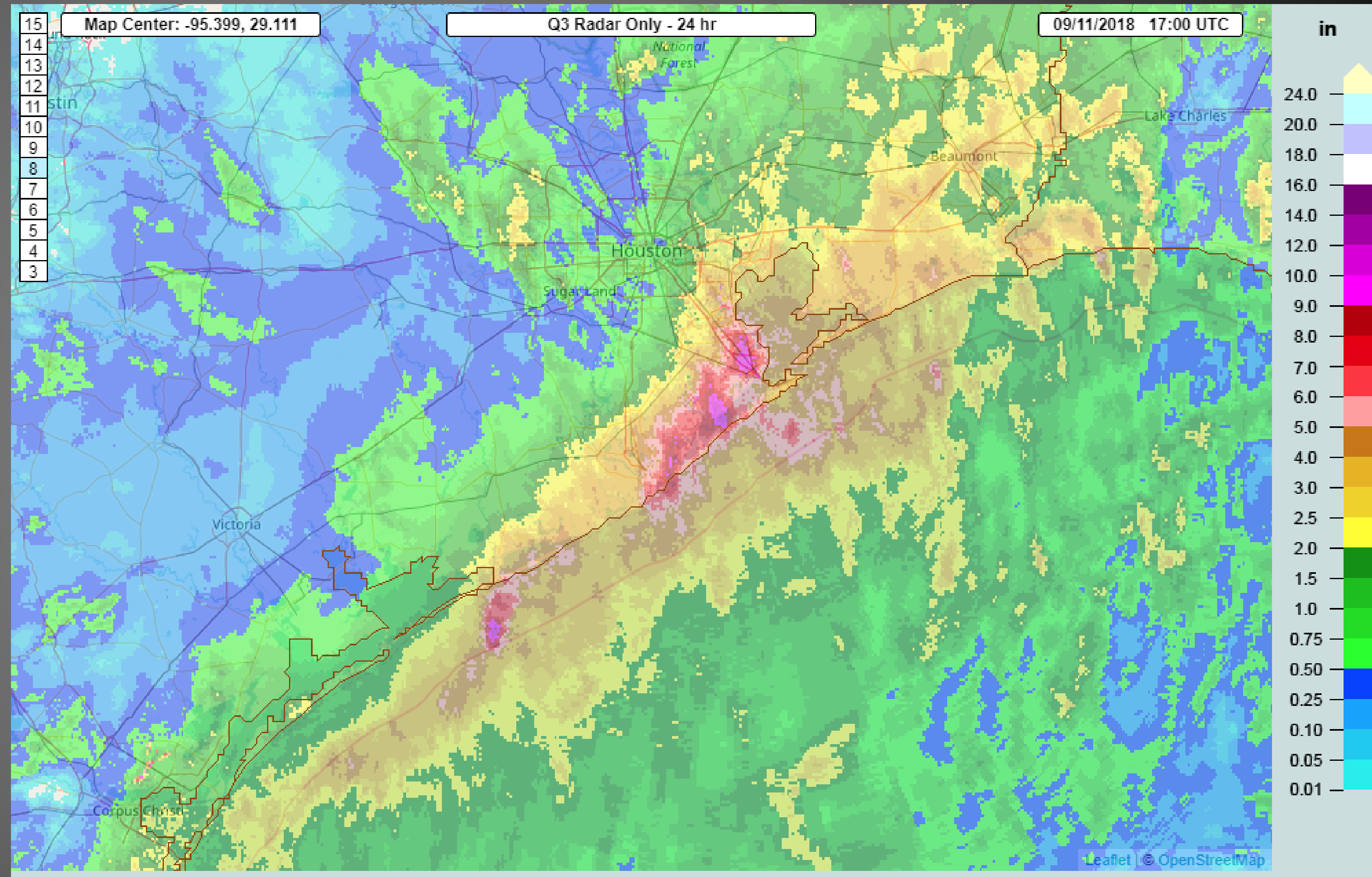
- Chances of tropical depression or tropical storm formation in the Gulf have increased
- Tropical disturbance or more organized tropical depression or storm forecast to track NW across the Gulf of Mexico this week reaching Texas coast (lower to mid?) around Friday
- Whether a disturbance or more organized tropical depression/storm would expect chance of heavy rain Thursday through Saturday
- Other impacts (winds, tides, surf) dependent on how much strengthening occurs, still uncertain
- Most likely scenario development of a depression or tropical storm (Joyce); will need to monitor carefully

Rainfall/Flooding Early this Morning

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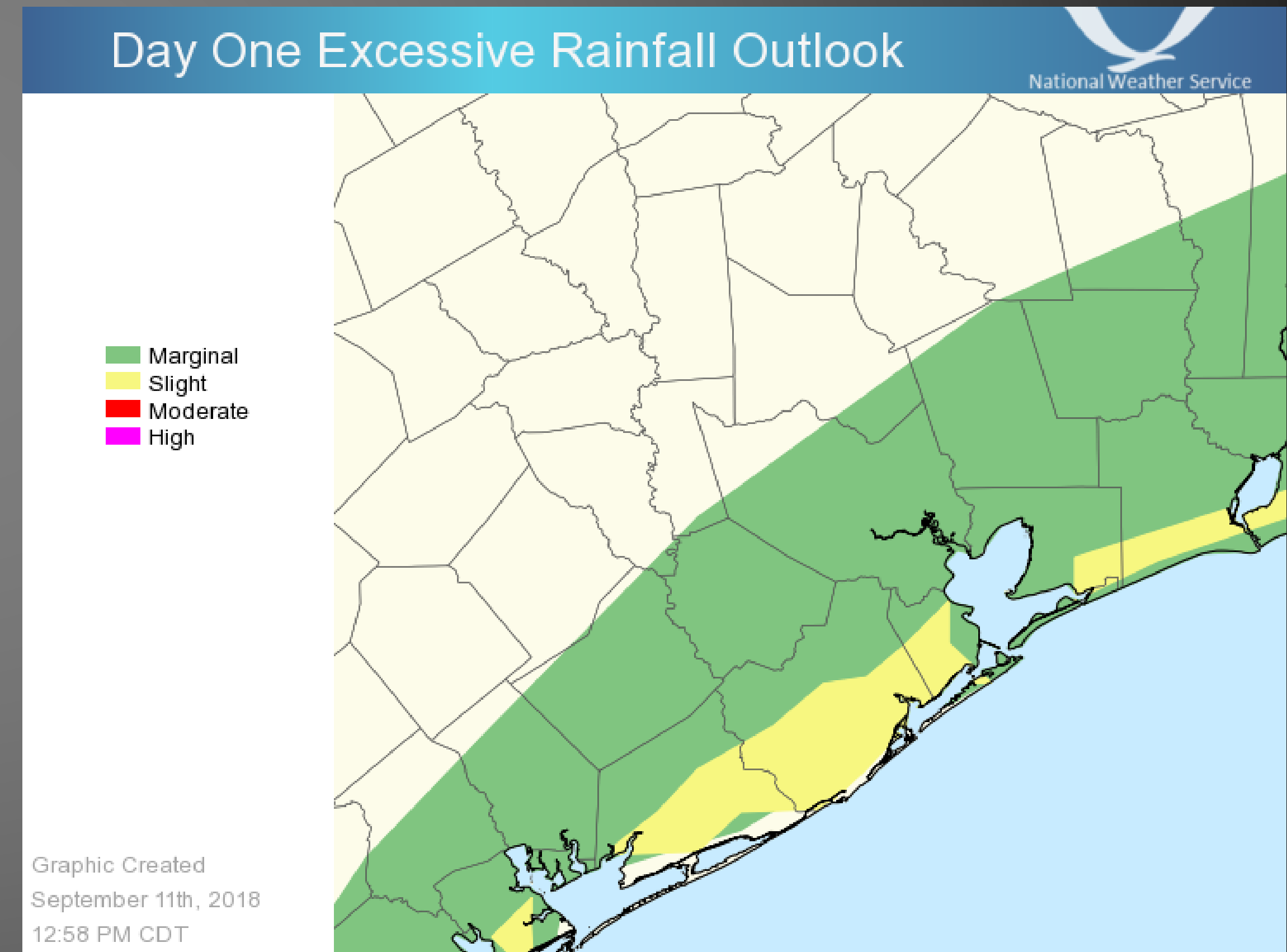
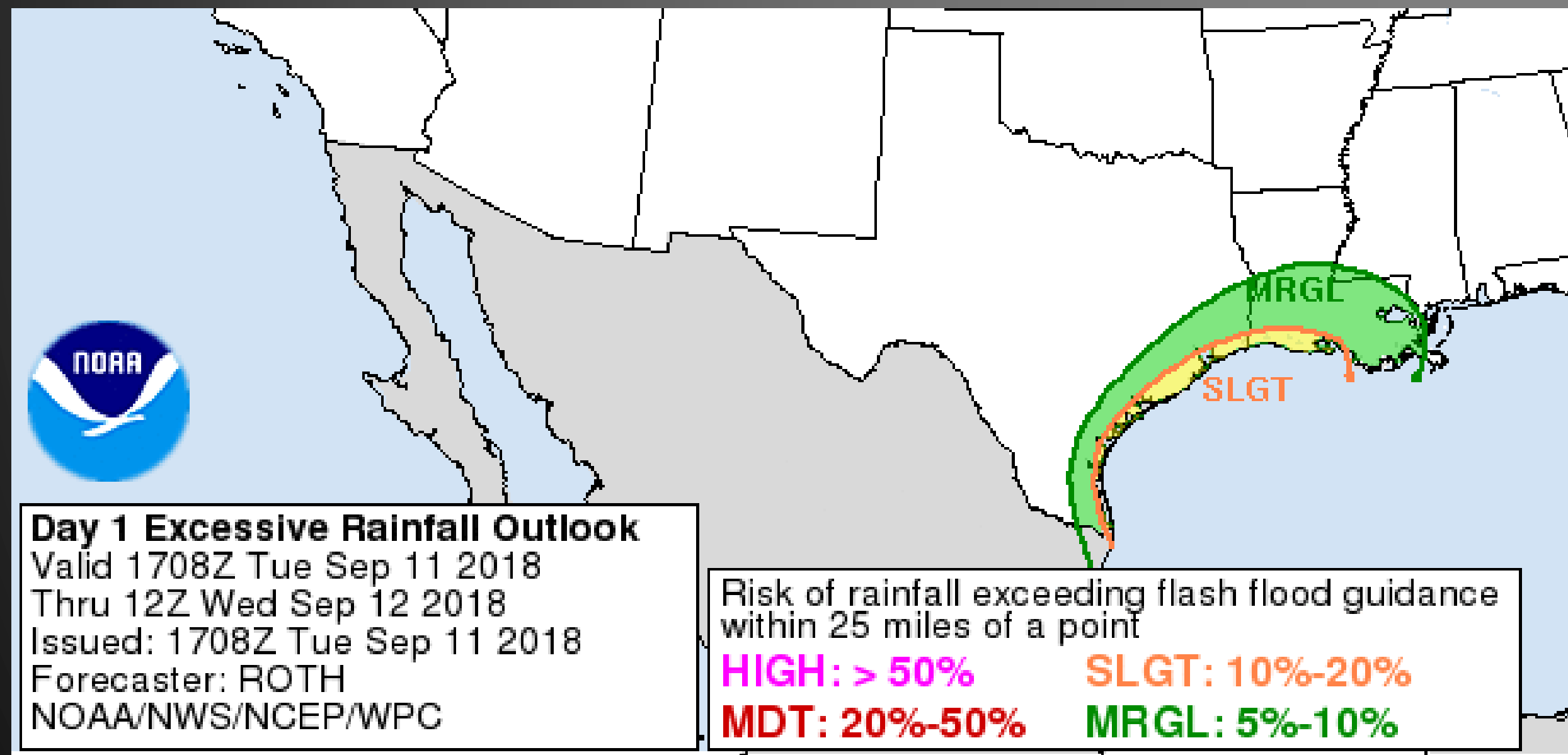
- Heavy rains mostly near the coast overnight and this morning
- Radar estimates almost 10 inches over parts of Southern Galveston and Brazoria Counties
- Water in some homes in Texas City
- Widespread street flooding



Flash Flood/Excessive Rainfall Potential



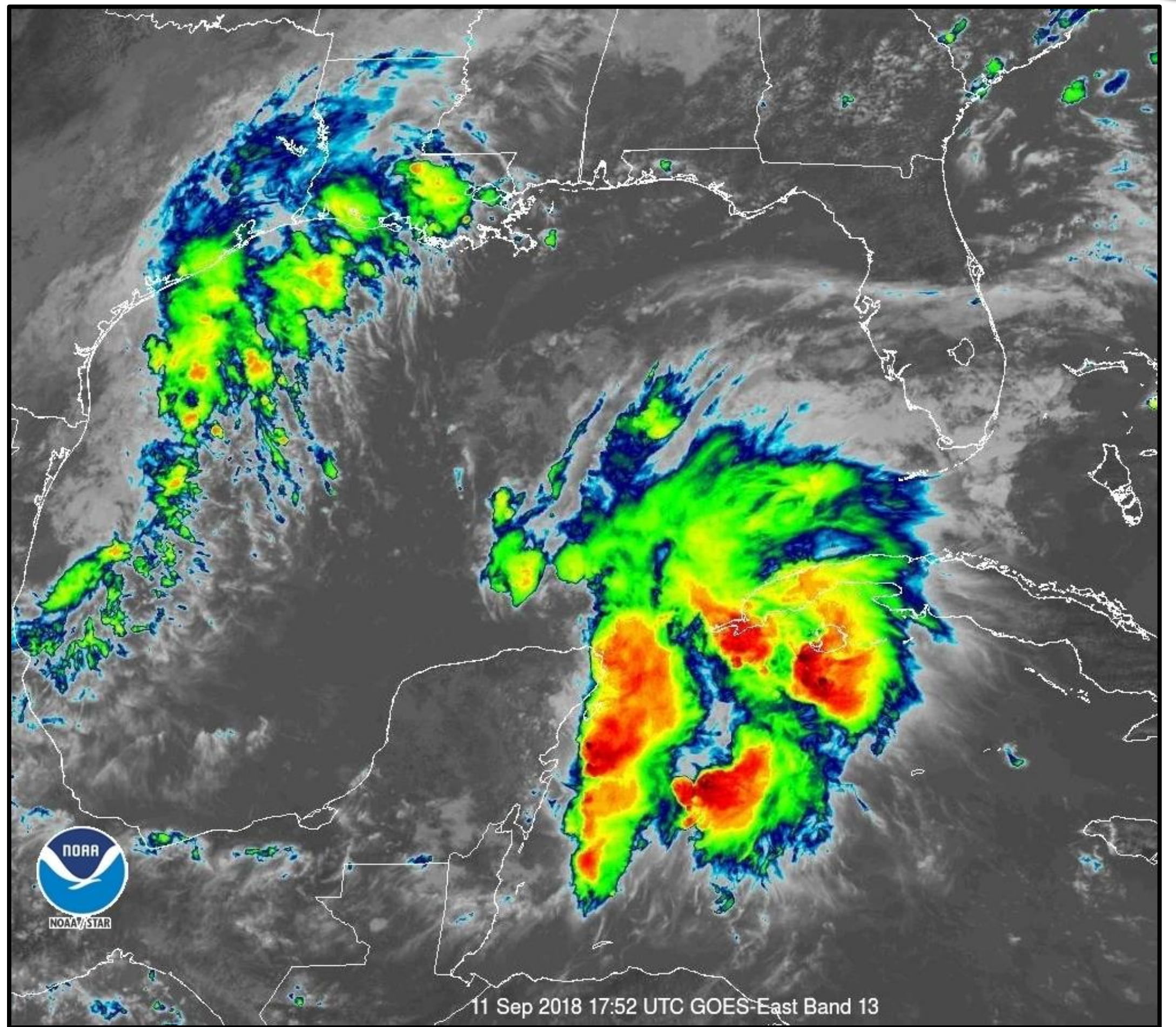
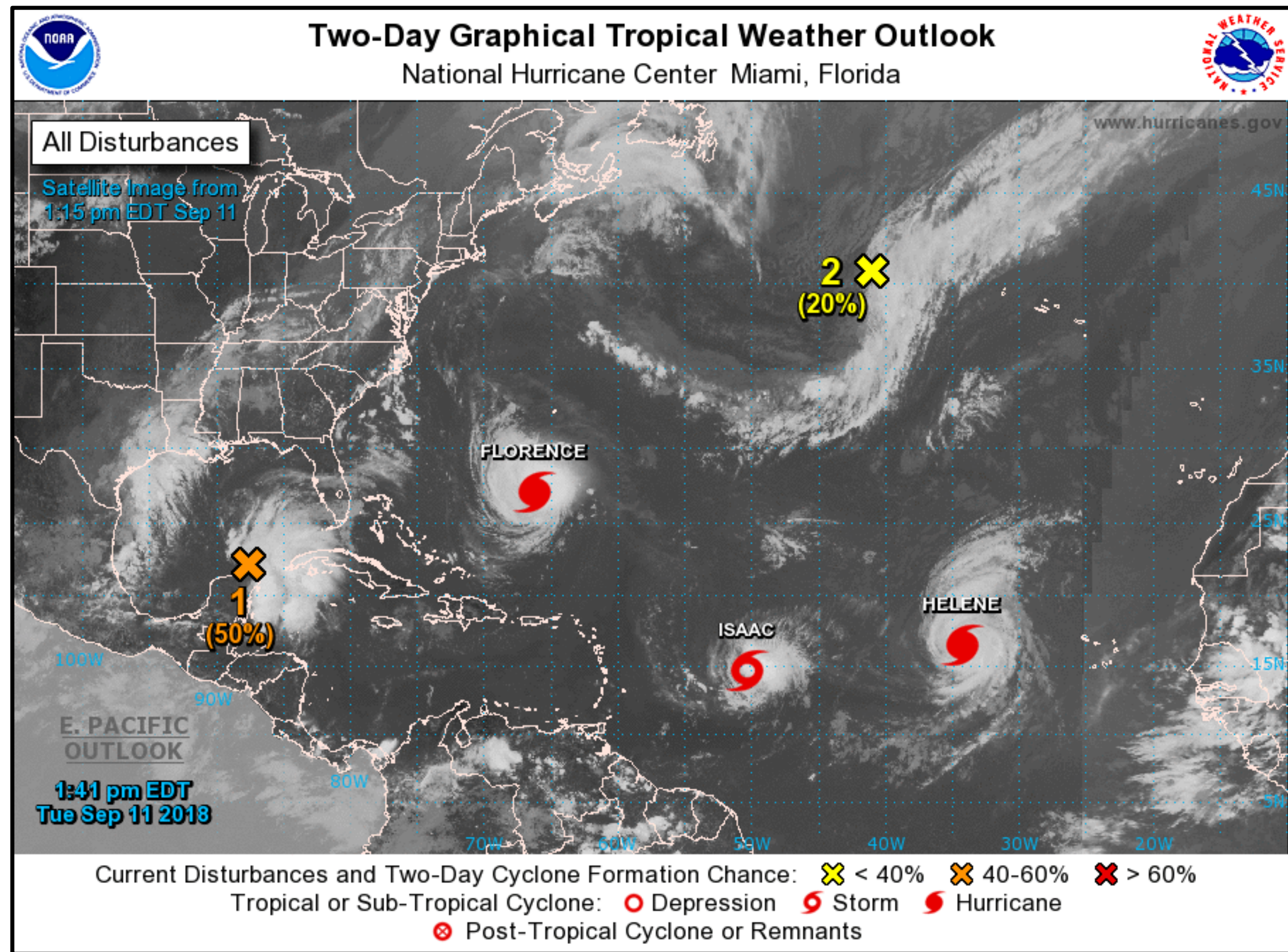
- Greatest Risk for Flash Flooding SE Sections (yellow areas on map), areas where significant rain has already fallen
- Additional rounds of showers and thunderstorms possible tonight and tomorrow but not expecting the very high amounts of this morning
- No watches currently in effect



TROPICAL WEATHER OUTLOOK



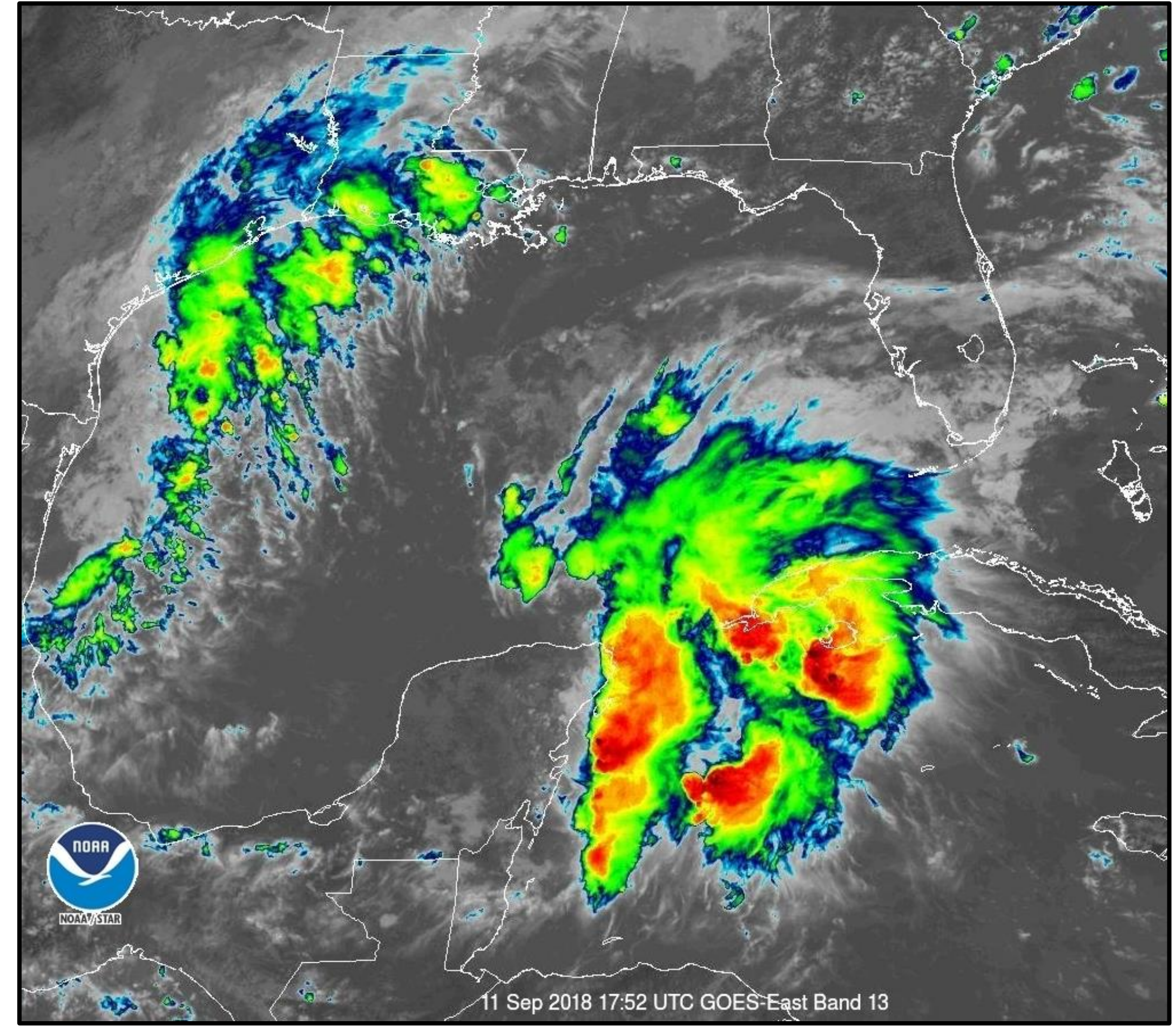
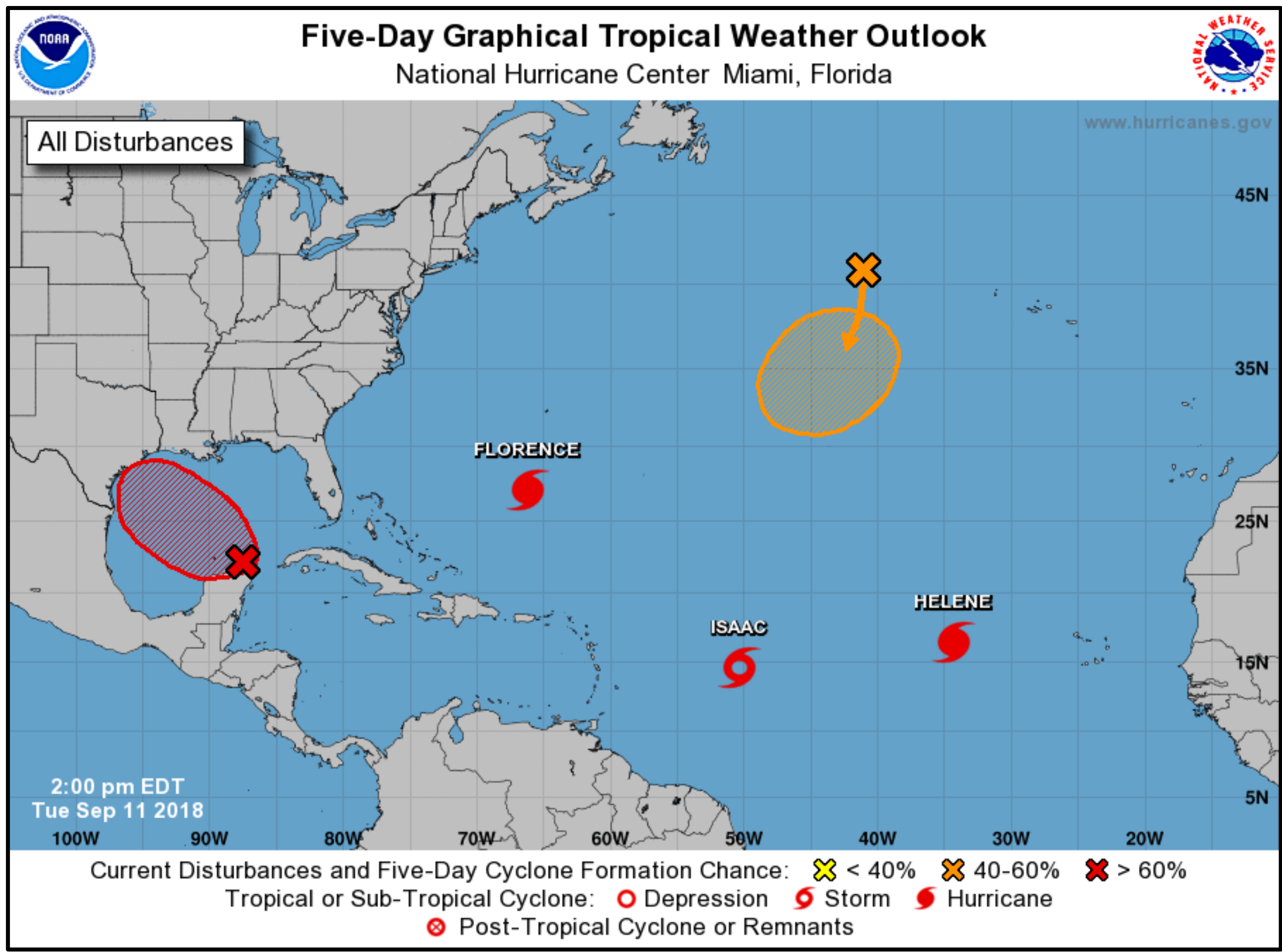
2 Day Graphical Tropical Weather Outlook



Very active tropics. Disturbance currently near tip of Yucatan Peninsula may impact Texas later this week, 50 percent chance of becoming a tropical depression or storm in next 2 days. Will also need to watch Isaac over next several days. Florence may have catastrophic impact Carolinas, Virginia.

TROPICAL WEATHER OUTLOOK

5 Day Graphical Tropical Weather Outlook



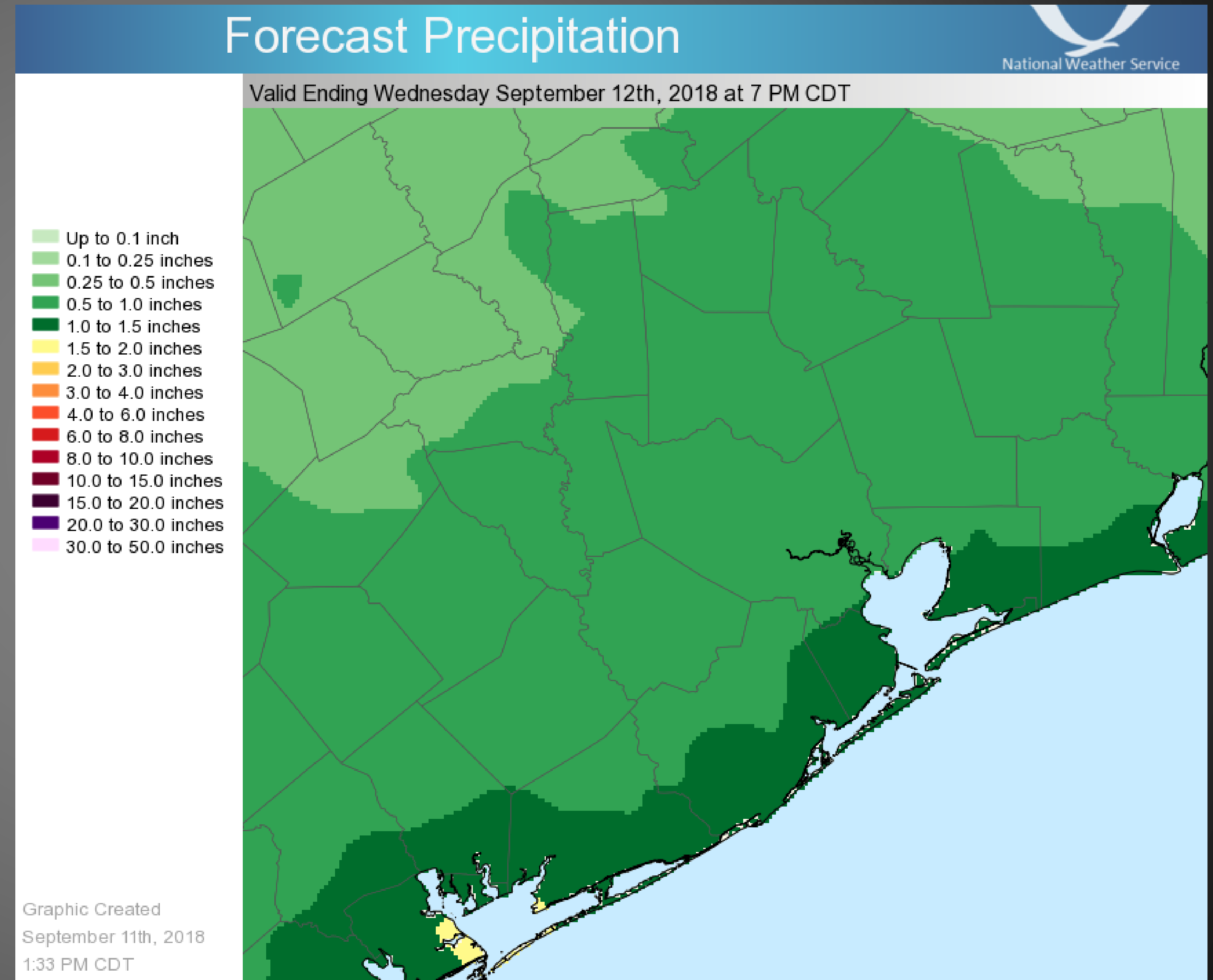
- Invest 95L, near the Yucatan Peninsula is being monitored for development and is shown in the satellite image.
- There is a **70% chance** of tropical cyclone development in the next five days within the **red hatched area**.

Forecast Rainfall Tonight and Wednesday

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- Forecast rainfall (additional) tonight and Wednesday generally 1 to 3 inches at the coast, lesser amounts inland
- Local amounts could be much higher
- Given how saturated soils are in areas that have had rain, there would be risk of additional flooding if any heavier bands set up

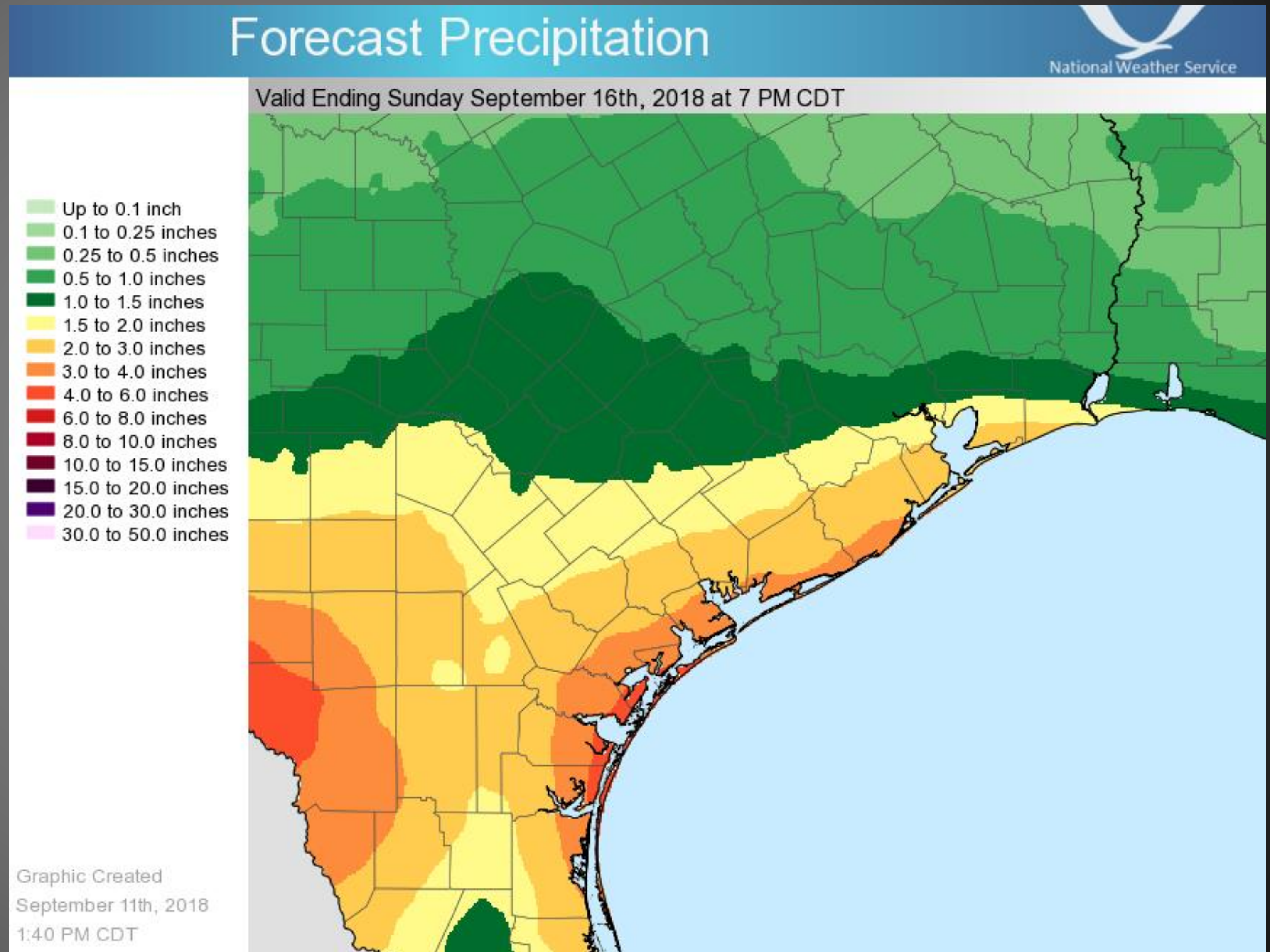


Forecast Rainfall Thursday through Sunday

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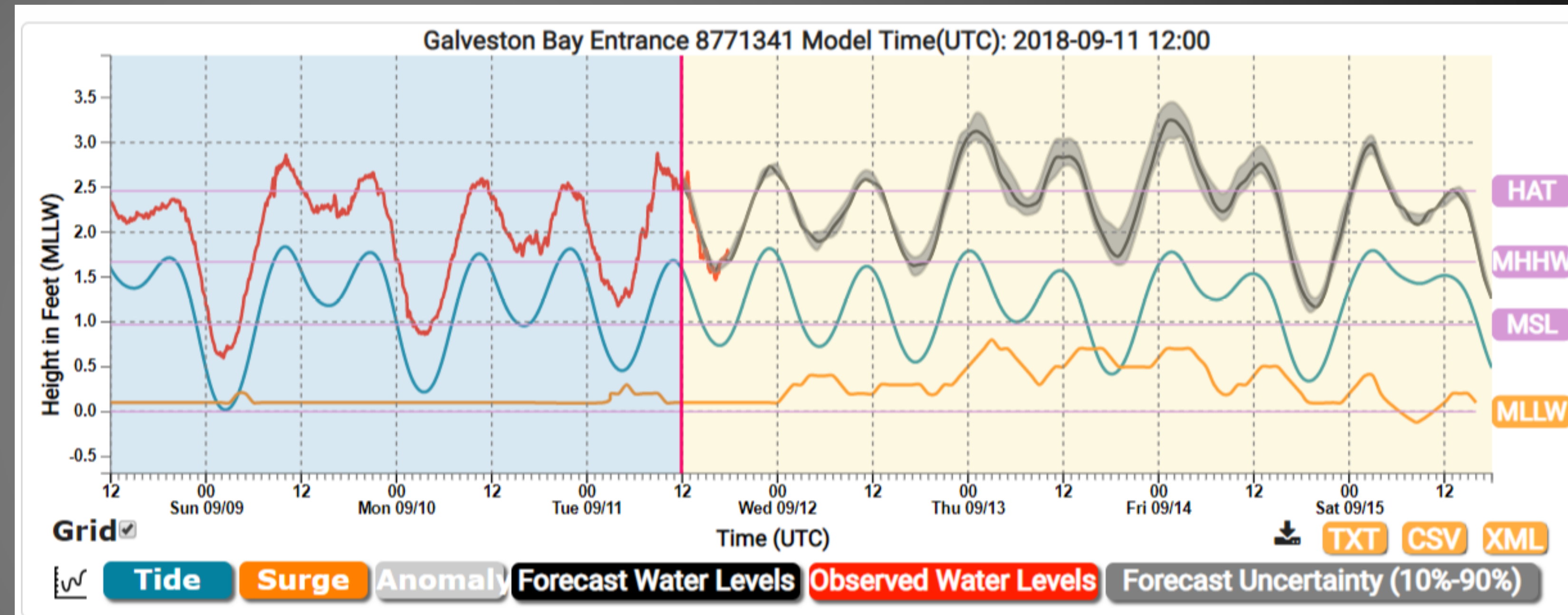
- Forecast rainfall (additional) Thursday through Sunday and Wednesday generally 2 to 4 inches at the coast, lesser amounts inland, higher amounts down the coast closer to landfall
- Local amounts will be much higher in any bands



Seas, Tides



- Some increase in water levels/tides and seas late in the week, the amount of increase dependent on how strong the system becomes
- Expect elevated tides and seas starting Wednesday evening and continuing through at least Friday
- Based on a weaker system scenario should have minimal impact outside the most vulnerable spots (Bolivar) but will have to monitor





- Chances of tropical depression or tropical storm formation in the Gulf have increased, now 50 percent over next 2 days, 70 percent over next 5
- Tropical disturbance or more organized tropical depression or storm forecast to track NW across the Gulf of Mexico this week reaching Texas coast (lower to mid?) around Friday
- Whether a disturbance or more organized tropical depression/storm would expect chance of heavy rain Thursday through Saturday near the center and in any bands
- Other impacts (winds, tides, surf) dependent on how much strengthening occurs, still uncertain
- Most likely scenario development of a depression or tropical storm (Joyce); will need to monitor carefully