



HURRICANE HANNA BRIEFING

4:30 PM CT

Saturday, July 25, 2020

Prepared by: Melissa Huffman, WFO Corpus Christi

What has changed: **Life-threatening storm surge continues.**
Locations removed from Hurricane Warning.

Disclaimer: The information contained within is time-sensitive. View latest information at www.hurricanes.gov.

Situation Overview

Hurricane Hanna



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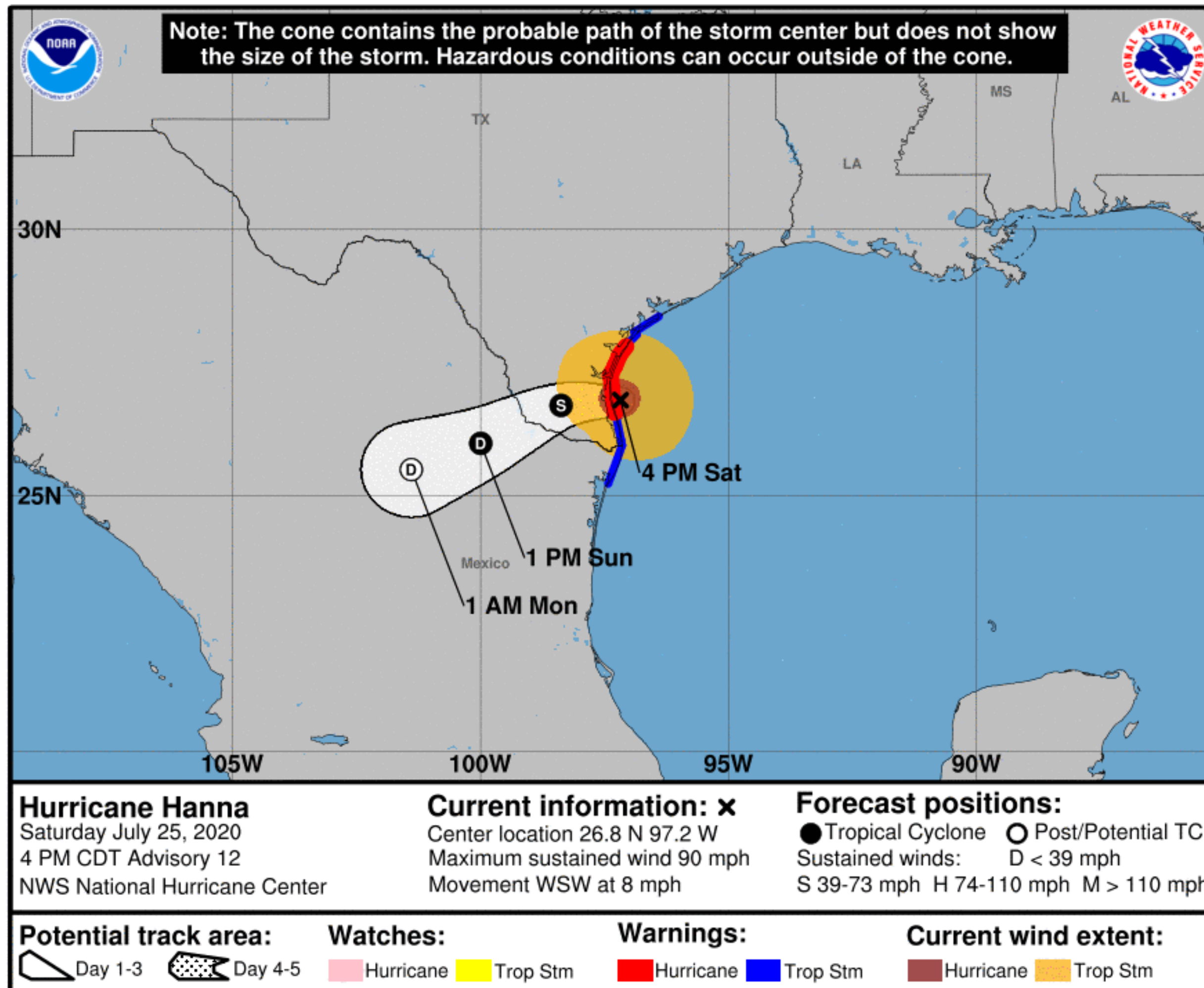
- **A Hurricane Warning remains in effect from Port Mansfield to Port Aransas**
- **A Tropical Storm Warning remains in effect from northern Mexico to Port O'Connor**
 - Hanna is still expected to be a Category 1 Hurricane at landfall near or south of Baffin Bay this afternoon. **Sustained winds over 80 MPH possible close to the center of Hanna!**
 - Wind impacts could include some structural damage to homes and unanchored mobile homes, downed trees, and power lines
- **A Flash Flood Watch remains in effect for most of South Texas**
 - Rain band development will remain possible tonight into Sunday... do not assume you are clear if you have not received rain today!
 - Impacts could include several evacuations or water rescues and the flooding of some structures
- **A Storm Surge Warning remains in effect from Port Mansfield to Sargent**
 - Storm surge 4 to 6 feet above ground level south of Port Aransas, 2 to 4 feet north of Port Aransas
 - Wave run-up and storm surge will continue to be capable of producing damage along Gulf-facing beaches
- Watching for isolated tornadoes through sunset

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- A Hurricane Warning remains in effect from Port Mansfield to Port Aransas
- A Tropical Storm Warning remains in effect from northern Mexico to Port O'Connor
- Hanna is still expected to be a Category 1 Hurricane at landfall south of Baffin Bay this afternoon.
 - **Hurricane-Force wind gusts are still occurring near Baffin Bay and across adjacent coastal waters**

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

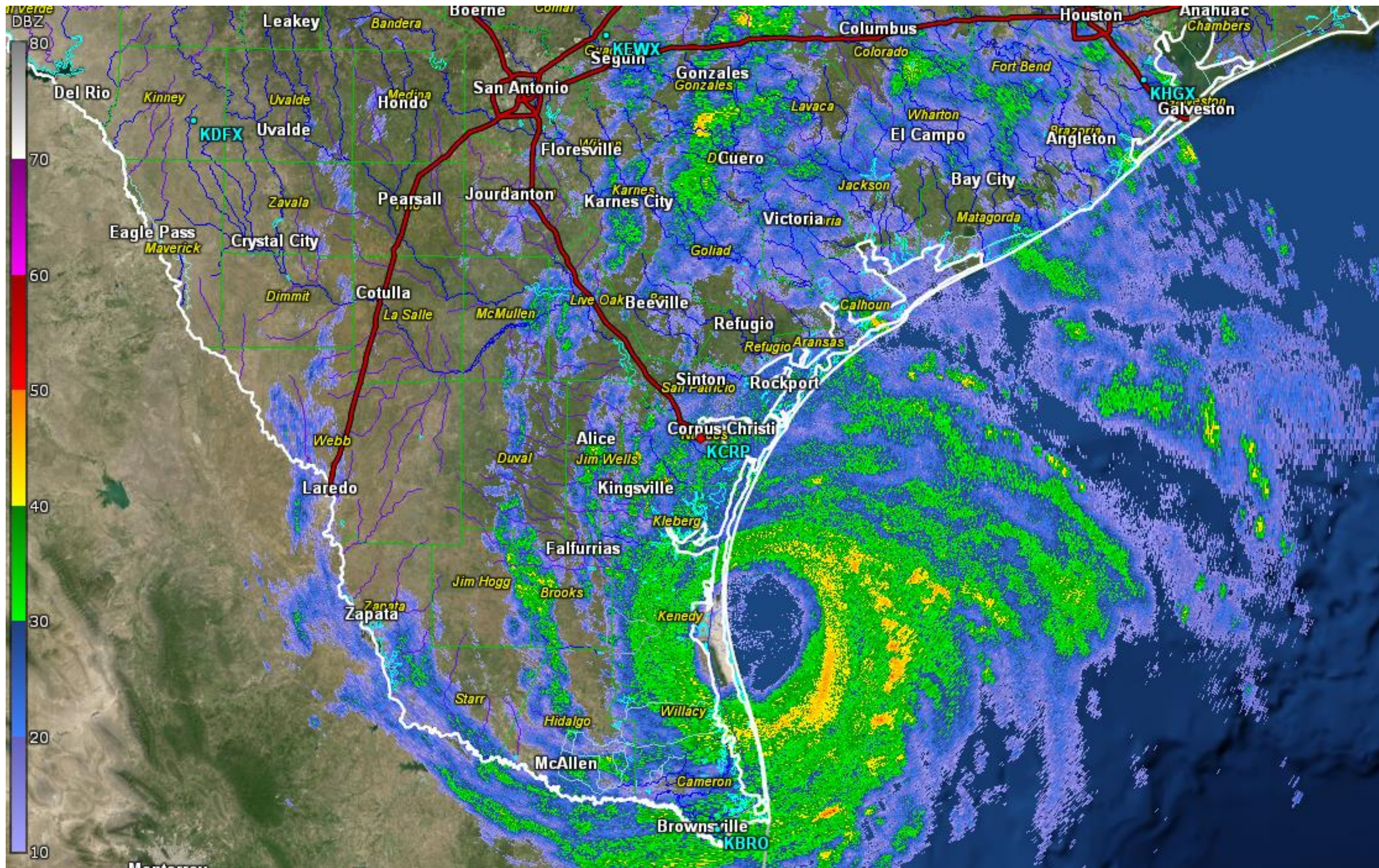
Current Radar: 4:16 PM CT

Hurricane Hanna



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- Hanna is located about 70 miles southeast of Corpus Christi
- Maximum sustained winds of 90 MPH
- Currently moving west-southwest at 8 MPH
- Note: Landfall is declared by the National Hurricane Center when the surface center of a storm reaches a coastline

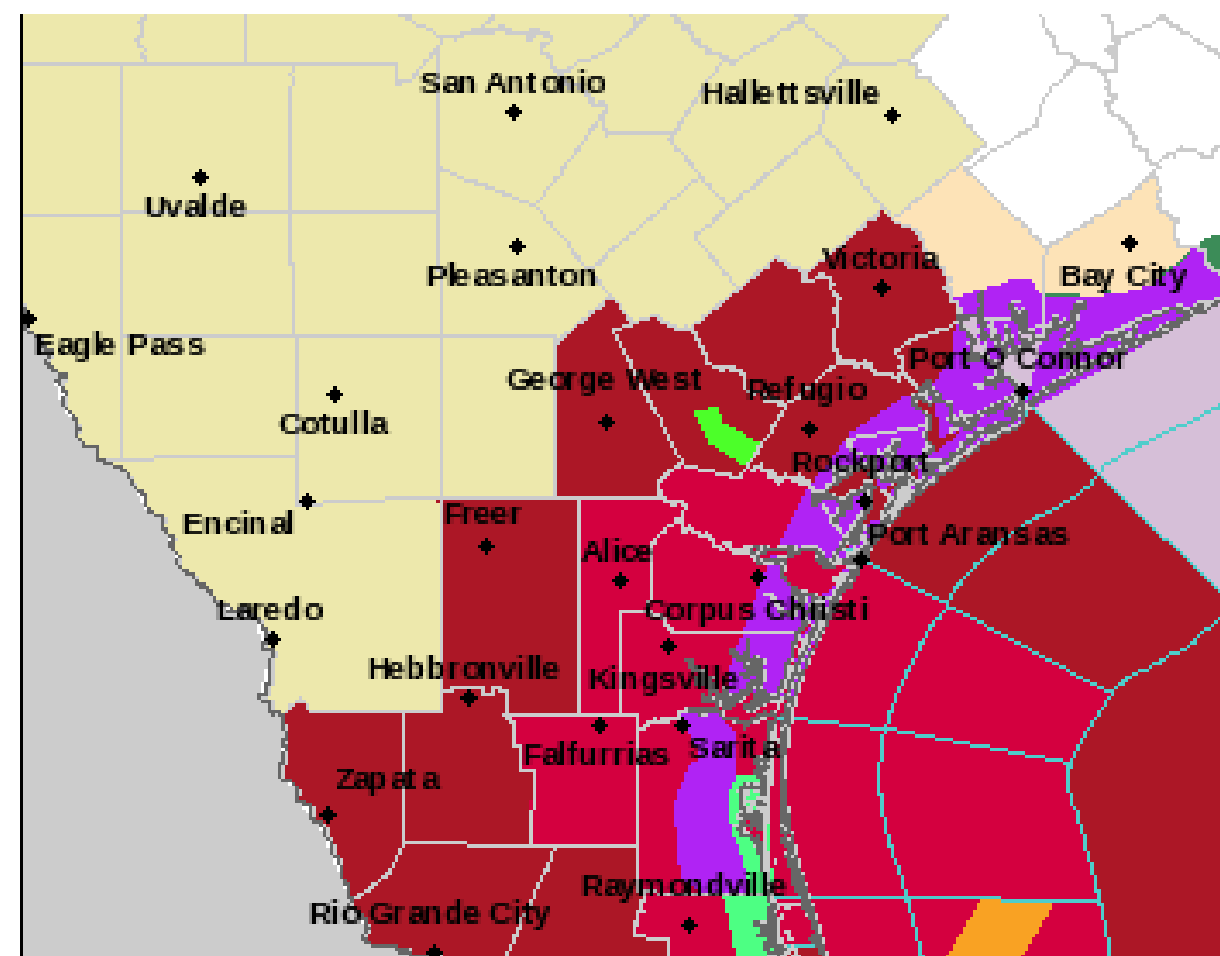


Active Watches and Warnings

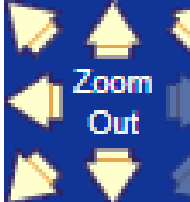














Hurricane Hanna

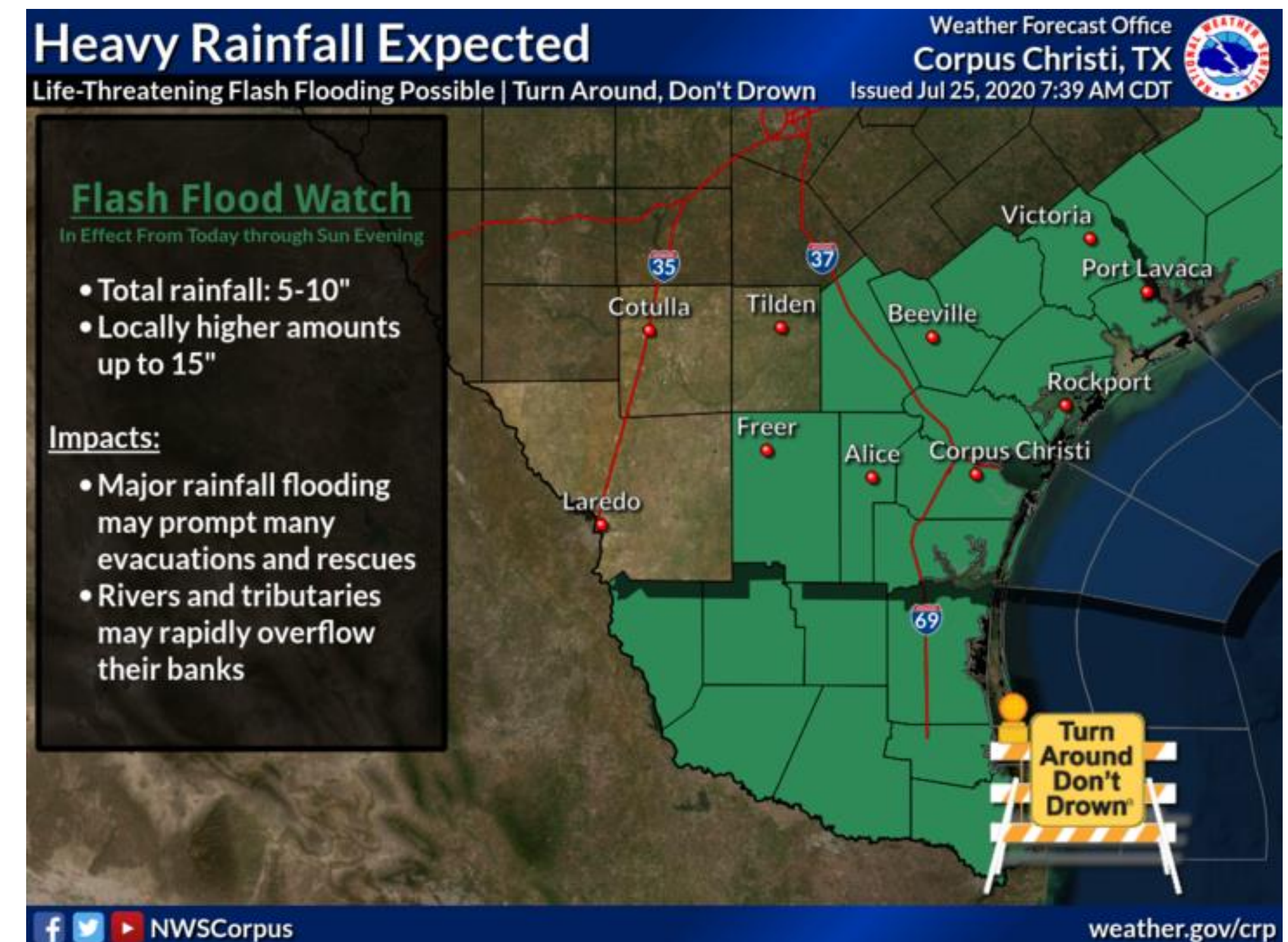


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Last Map Update: Sat, Jul. 25, 2020 at 4:15:13 pm CDT

Watches, Warnings & Advisories	
Storm Surge Warning	
Hurricane Warning	
Special Marine Warning	
Tropical Storm Warning	
Coastal Flood Warning	
Flood Warning	
Flash Flood Watch	
Hurricane Local Statement	
Flood Advisory	
Coastal Flood Advisory	
High Surf Advisory	
Small Craft Advisory	
Rip Current Statement	
Hazardous Weather Outlook	



- A Hurricane Warning remains in effect from Port Mansfield to Mesquite Bay
- A Tropical Storm Warning remains in effect from Mouth of the Rio Grande to High Island
- A Flash Flood Watch remains in effect for most of South Texas
- A Storm Surge Warning remains in effect from Port Mansfield to Sargent

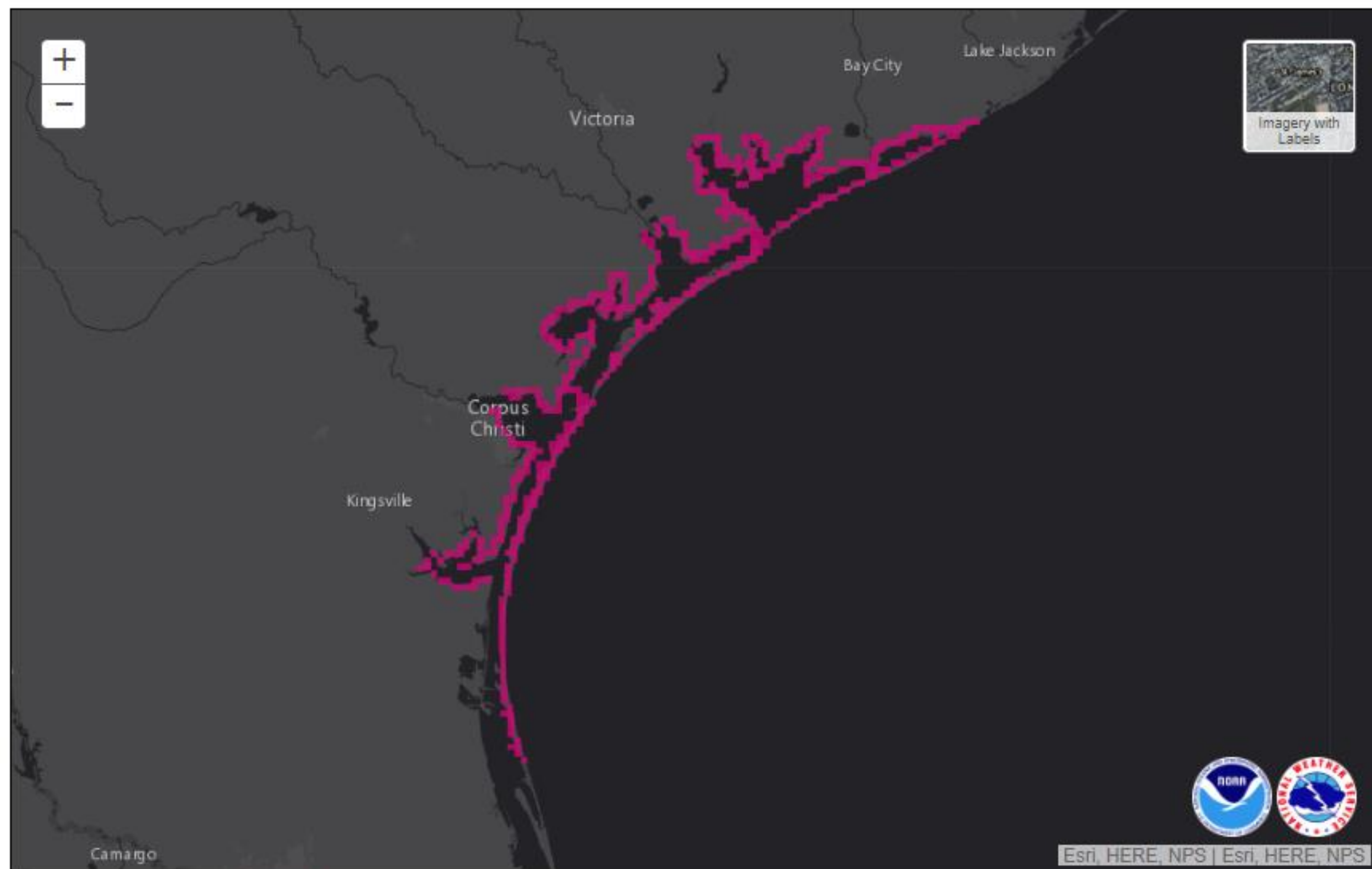
Active Watches and Warnings

Hurricane Hanna



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Hurricane Hanna
Advisory 011 Issued: 10:00 AM CDT Sat Jul 25



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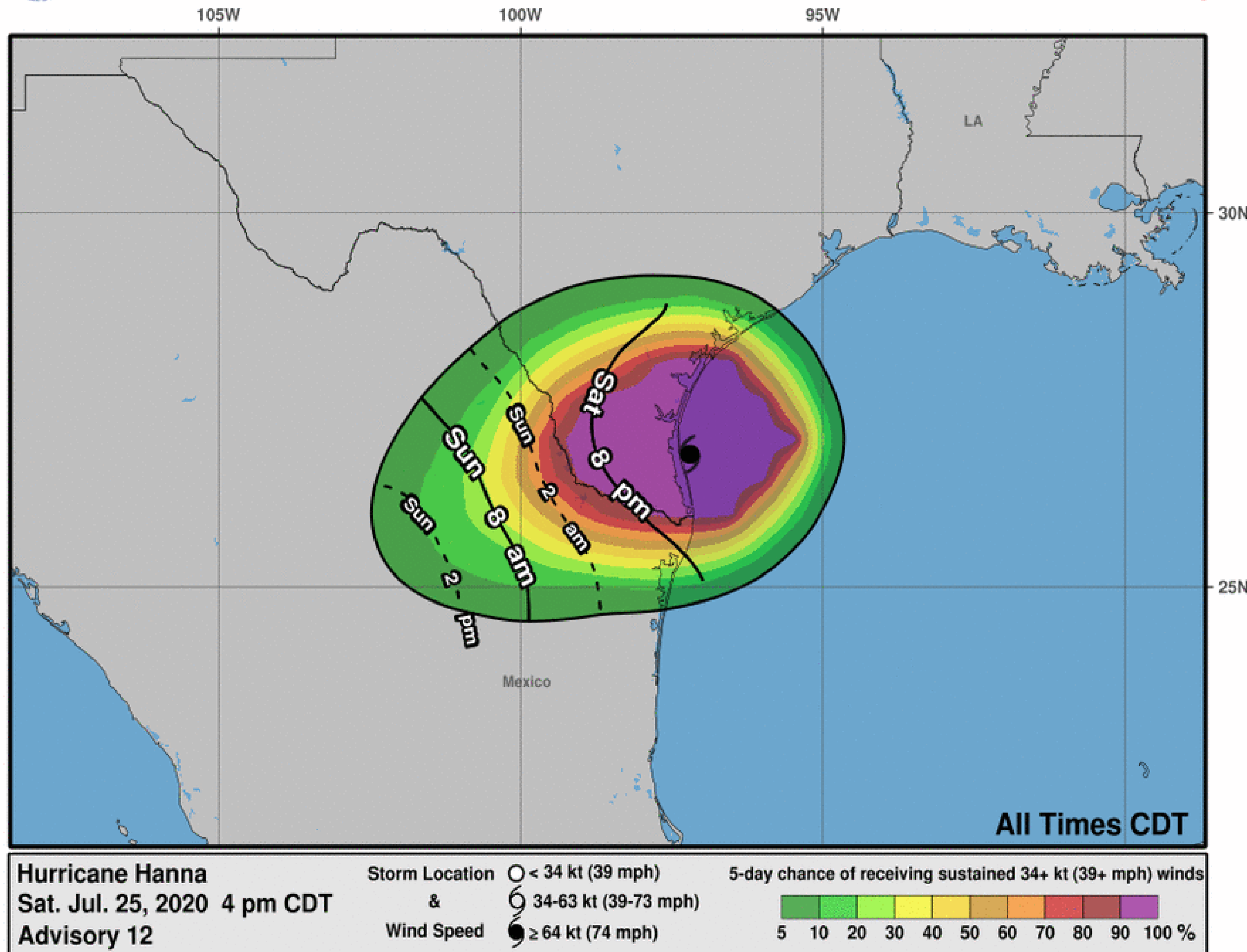
Most Likely Time of Arrival

Hurricane Hanna



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Most Likely Arrival Time of Tropical-Storm-Force Winds



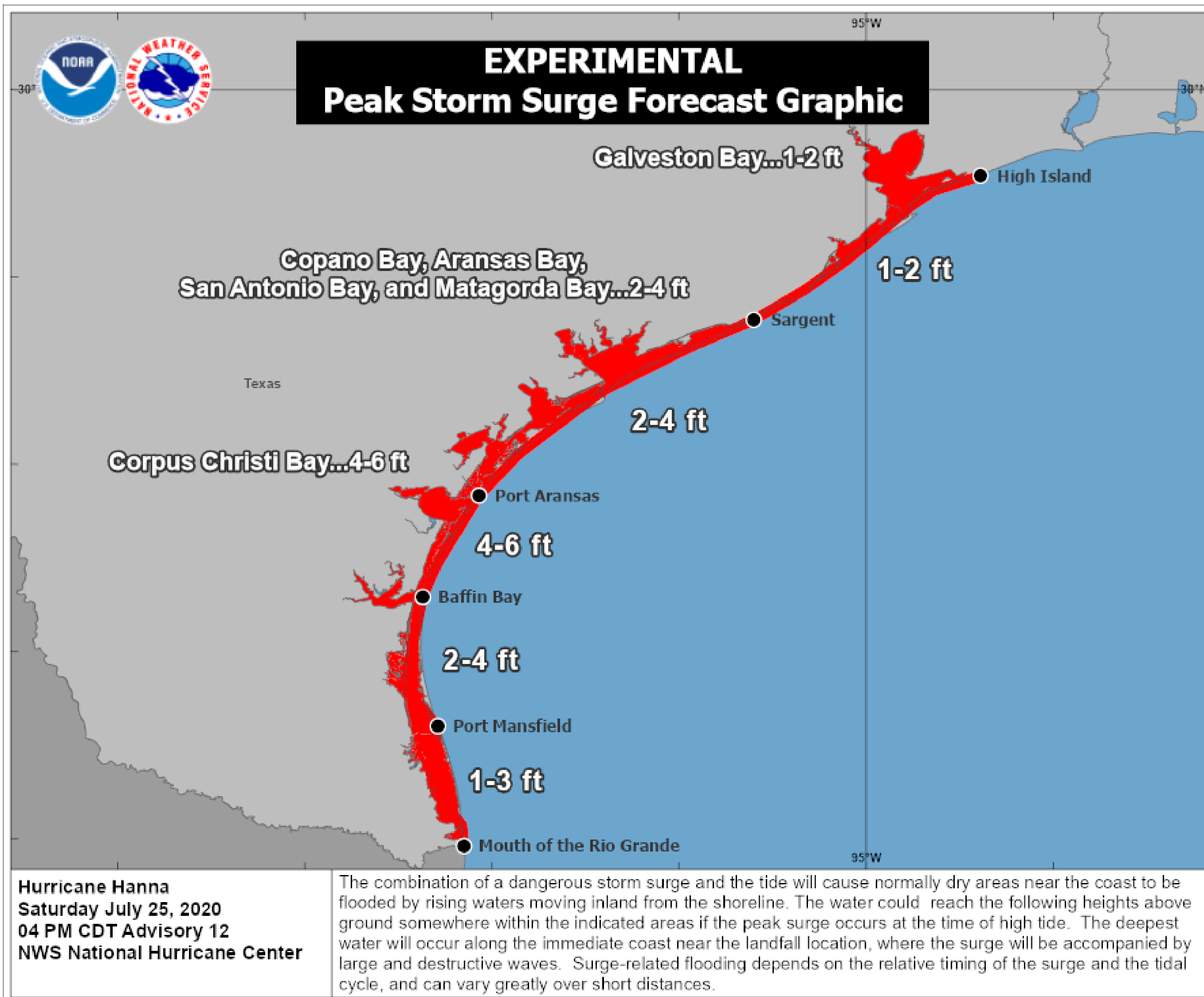
- Tropical-Storm-Force winds have already been observed across most of the southern Coastal Bend and will most likely reach portions of the Rio Grande Plains this evening
- Tropical-Storm-Force winds will most likely end this evening along the coast and early Sunday morning closer to the Rio Grande
 - Winds may last as late as early Sunday morning along the coast and Sunday morning for areas along the Rio Grande

Potential Storm Tide Impacts

Hurricane Hanna



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Storm Surge:

- A Storm Surge Warning remains in effect, expecting some adjustments by the next advisory
- 4 to 6 feet of inundation (water above ground level, AGL) possible along beaches and bays south of Port Aransas
- 2 to 4 feet of inundation AGL north of Port Aransas
- Wave run-up will contribute to damaging surge along the Gulf-facing beaches
- High tide times today:
 - Bob Hall Pier: 7:14 PM
 - Nueces Bay: 4:49 PM
 - Port Aransas: 7:24 PM

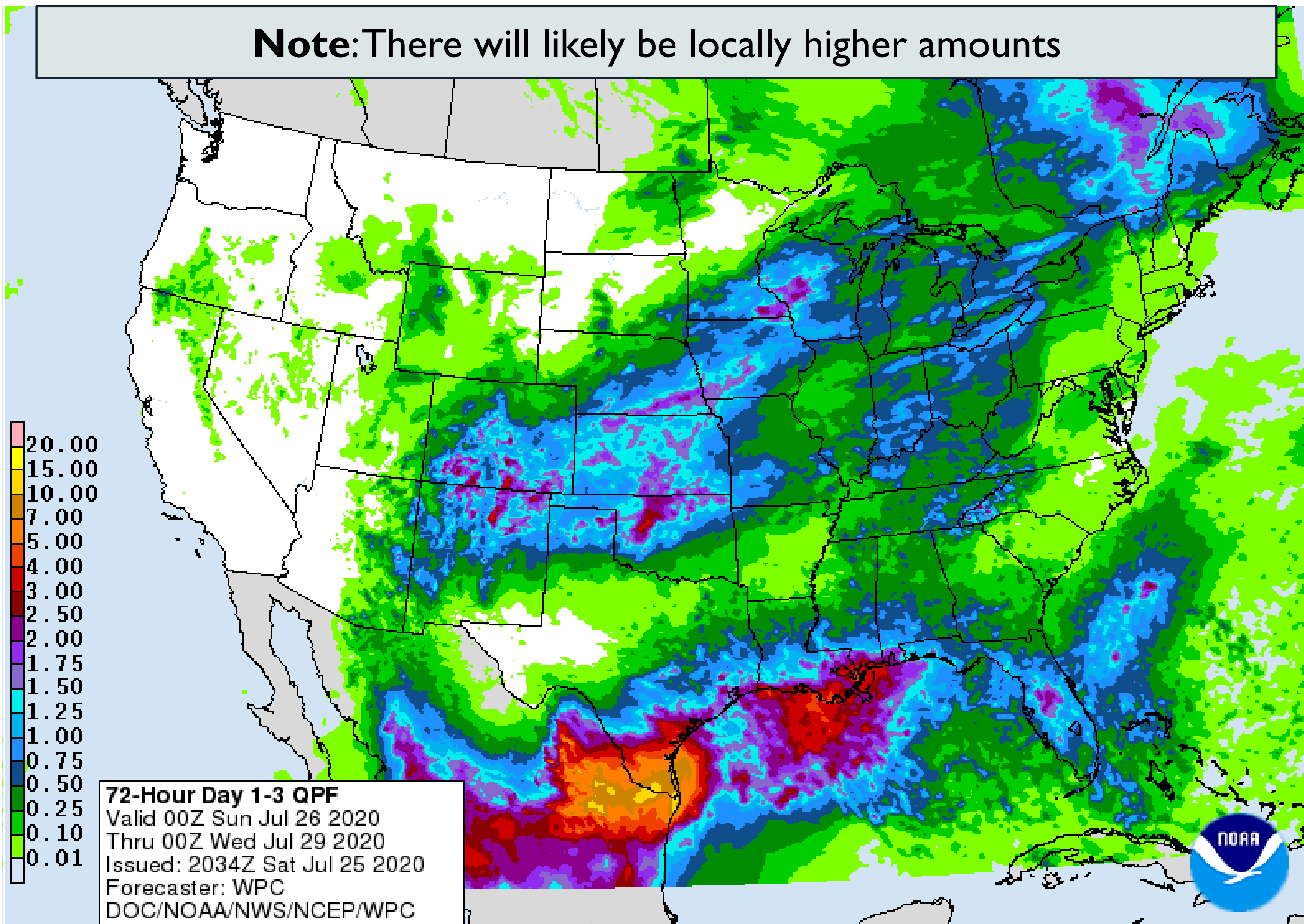
Expected Storm Total Rainfall

Hurricane Hanna



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Note: There will likely be locally higher amounts



- Storm Total rainfall forecast valid tonight through Tuesday
 - Periods of heavy rain still expected through Sunday
- 5 to 10" of rain possible across South Texas with isolated totals higher amounts of 15"
 - The map to the left **does not** indicate where isolated higher amounts may occur
- Hanna's slow movement will help increase rainfall amounts, which could be significant and dangerous flooding may result
- Impacts could include several evacuations and the flooding of some structures

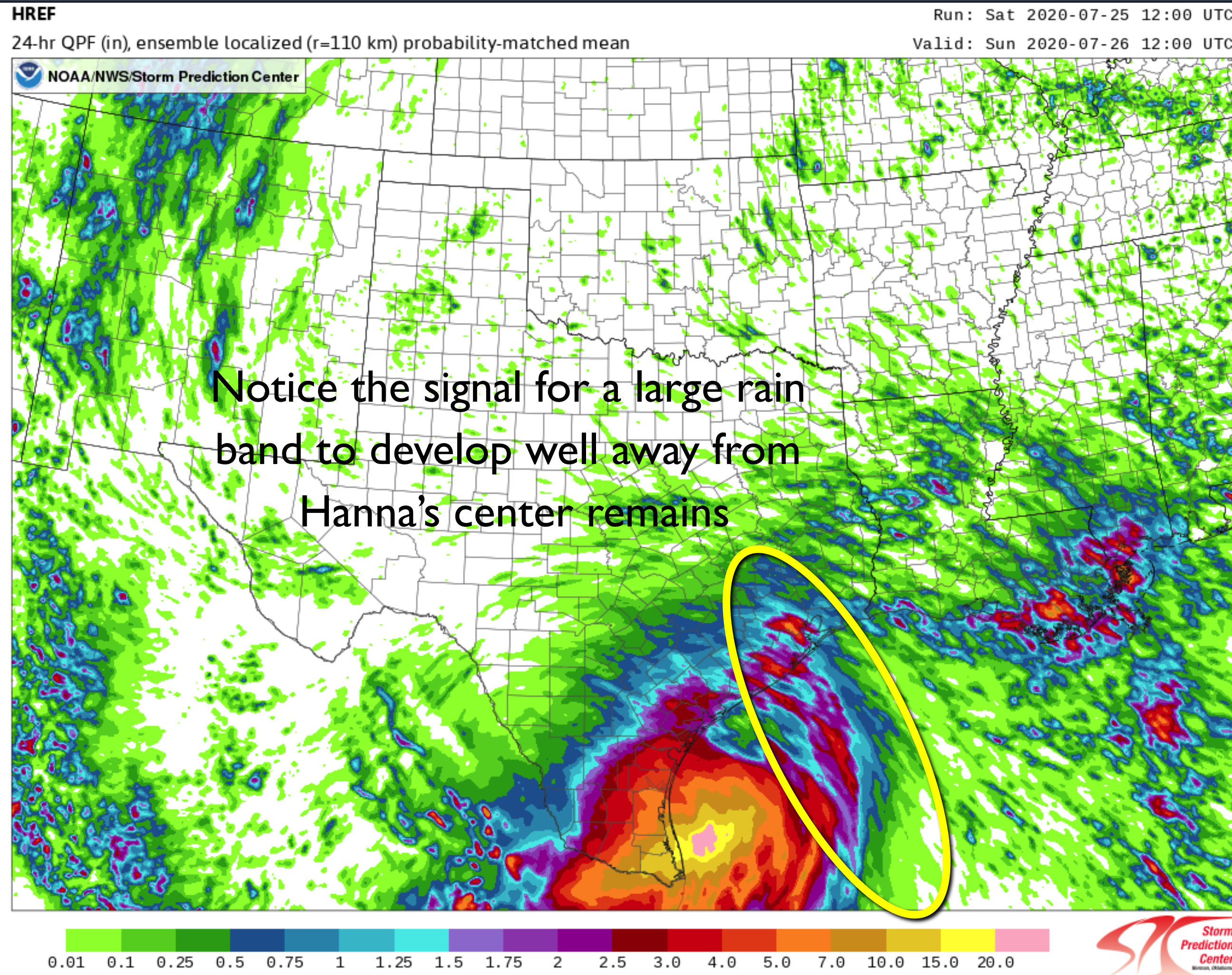
Rain Bands Can Extend Well Away from Hanna

Hurricane Hanna



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Note: This is one possible scenario... not a guarantee of what will happen



- The image to the left shows some of the highest rain amounts that could be possible through Sunday morning
- Even though Hanna's track remains to the south, rain bands capable of heavy rainfall will be possible well away from Hanna's center tonight and Sunday
 - These bands could be where those localized higher amounts occur
- This means areas that do not see the strongest winds from Hanna still receiving flooding impacts

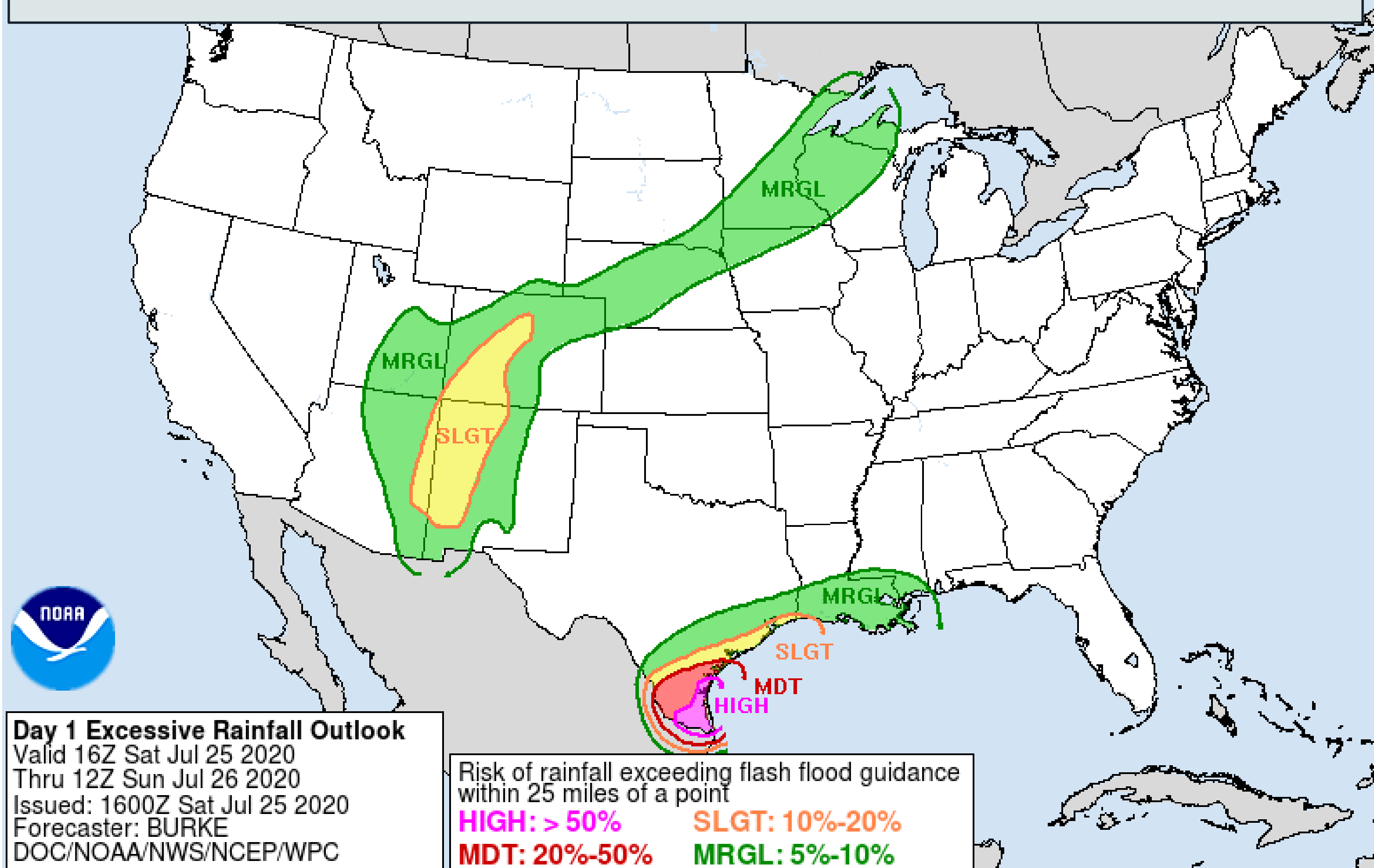
Excessive Rainfall Outlook

Hurricane Hanna



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Excessive Rainfall Outlook Valid Today



- The Flash Flood threat will continue for most of South Texas through tonight with the **highest risk** along the coast south of Corpus Christi Bay.
- Will have to watch for the development of rain bands with Hanna tonight
- **Remember... heaviest rainfall often occurs at night!**

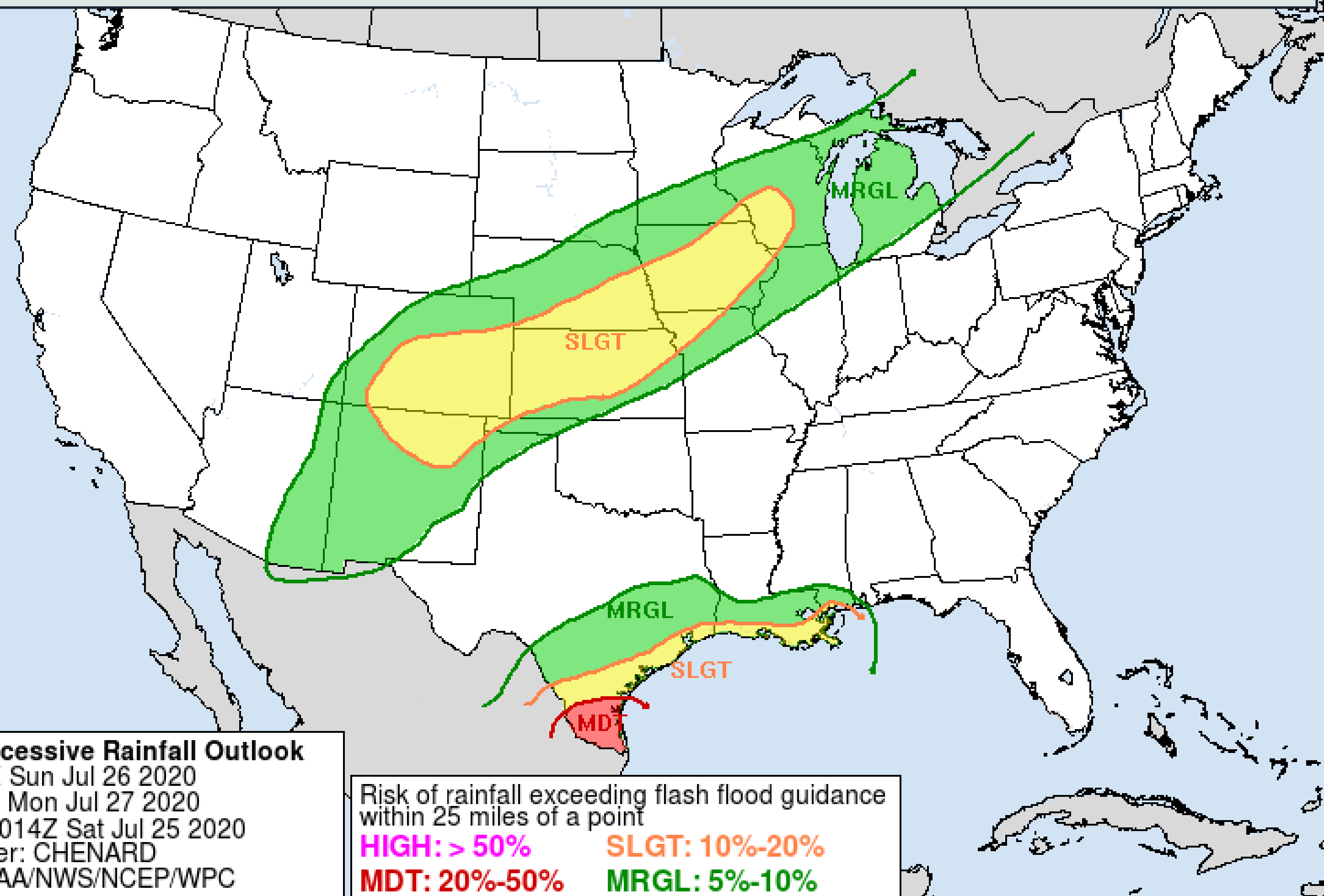
Excessive Rainfall Outlook

Hurricane Hanna



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Excessive Rainfall Outlook Valid Sunday



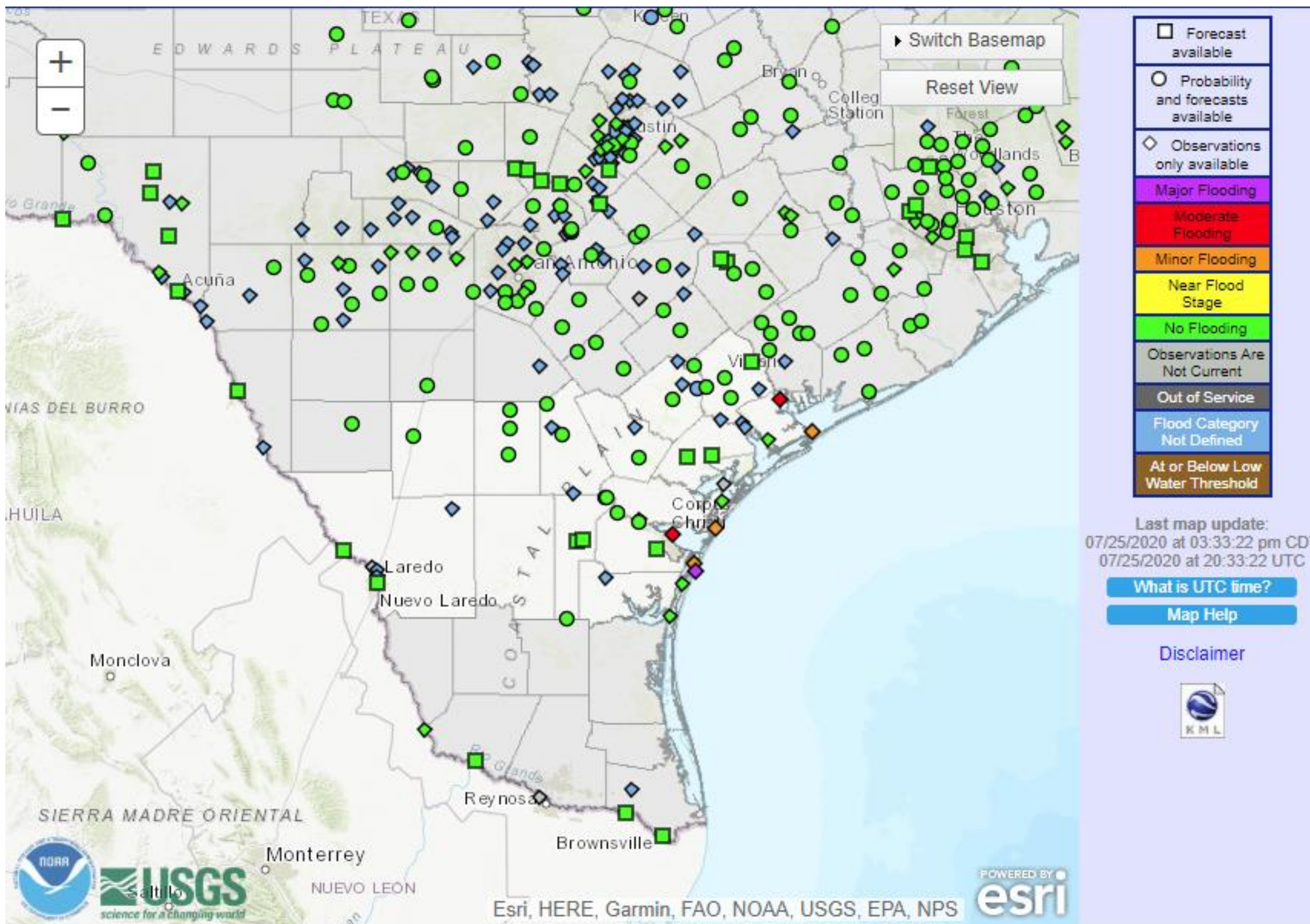
- Flash flood threat will continue into Sunday
- Still the potential for rain bands to develop on Sunday!**

Current Flood Status

Hurricane Hanna



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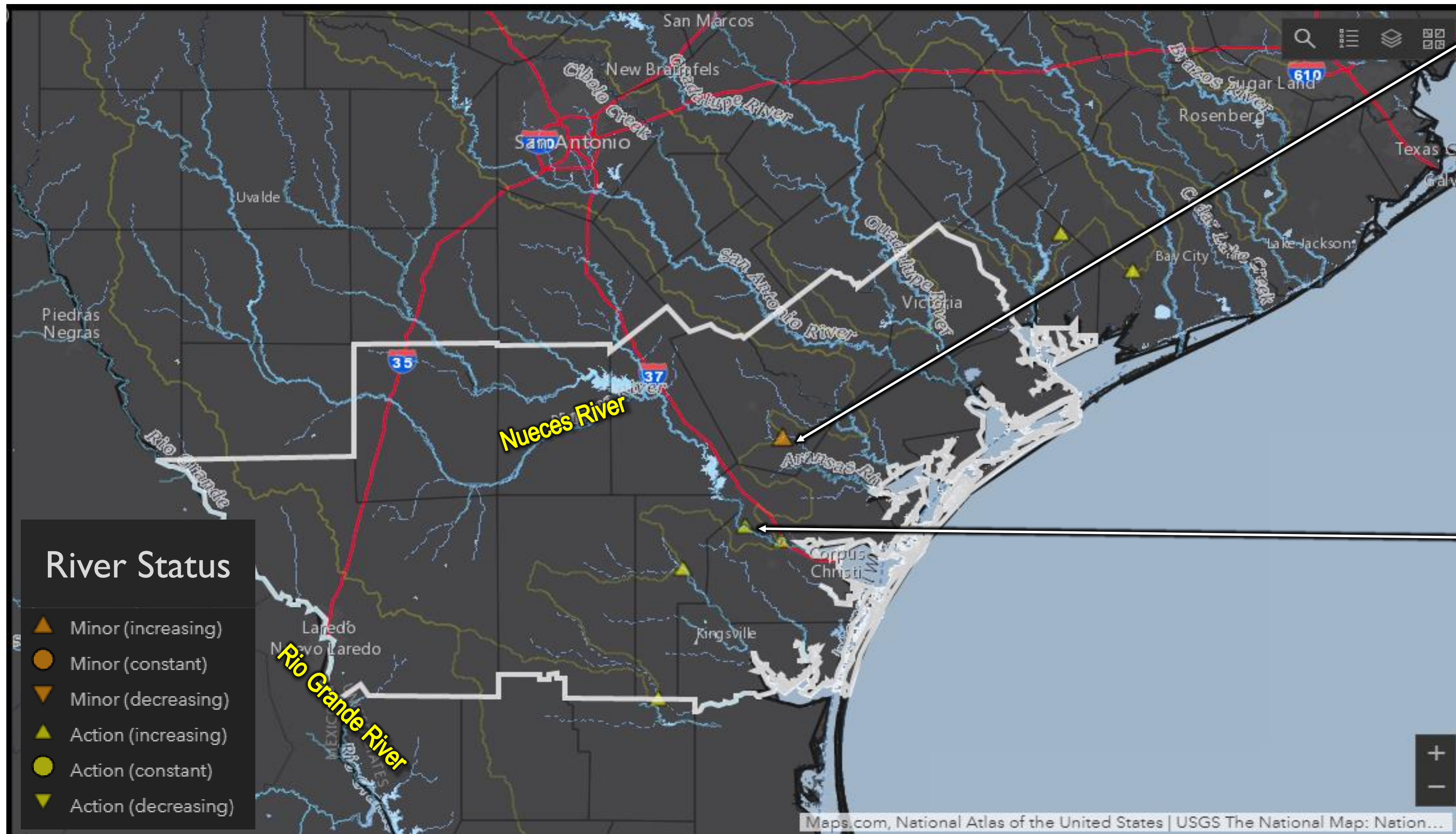
- Coastal tide gauges continue to show minor to major flooding from storm surge

Hurricane Hanna's River Impacts

24 Hour Rainfall Forecast and Forecast River Status



West Gulf River Forecast Center



River Status

- ▲ Minor (increasing)
- Minor (constant)
- ▼ Minor (decreasing)
- ▲ Action (increasing)
- Action (constant)
- ▼ Action (decreasing)

Action
3

Last update: 5 minutes ago

Minor
1

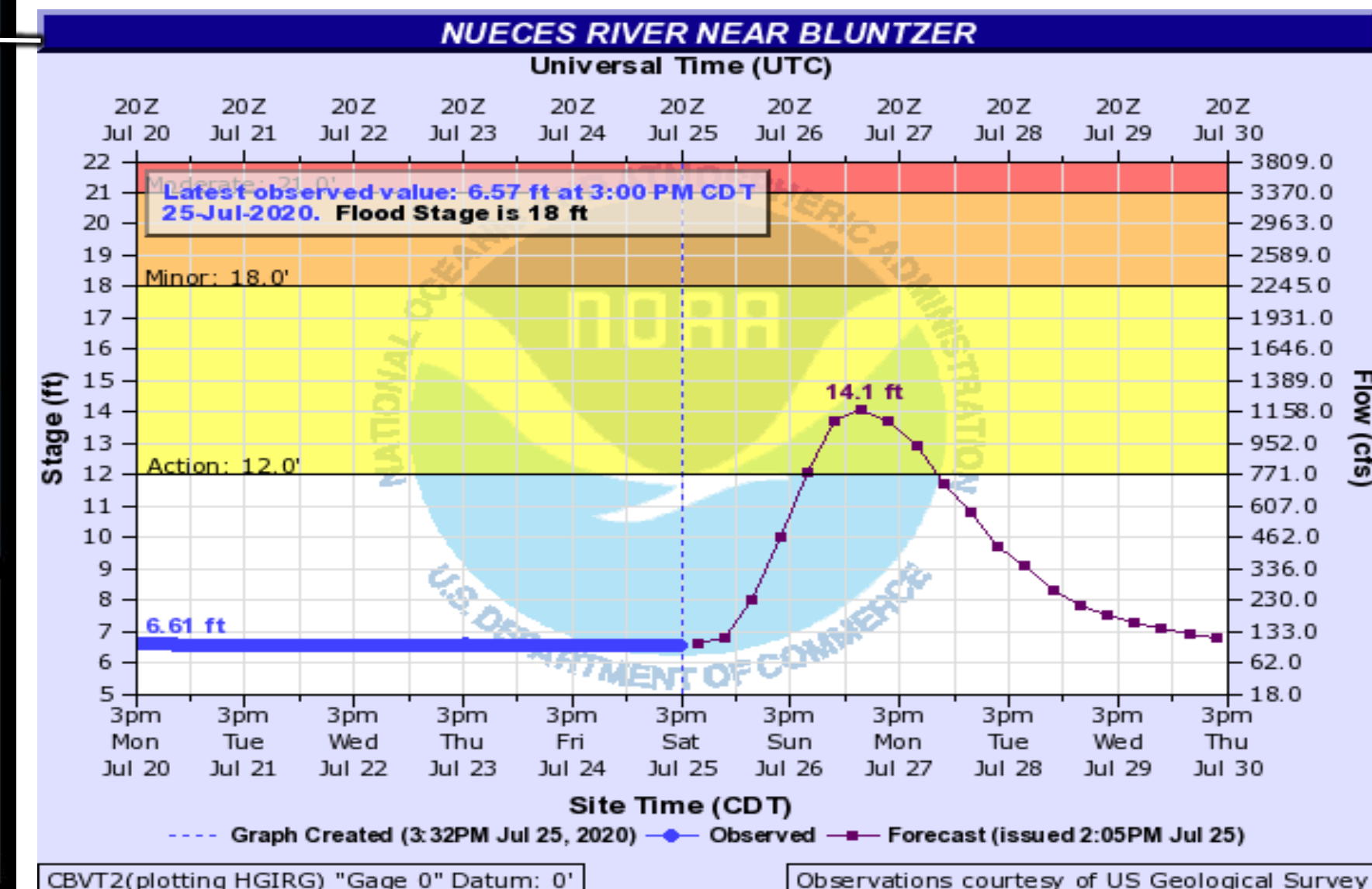
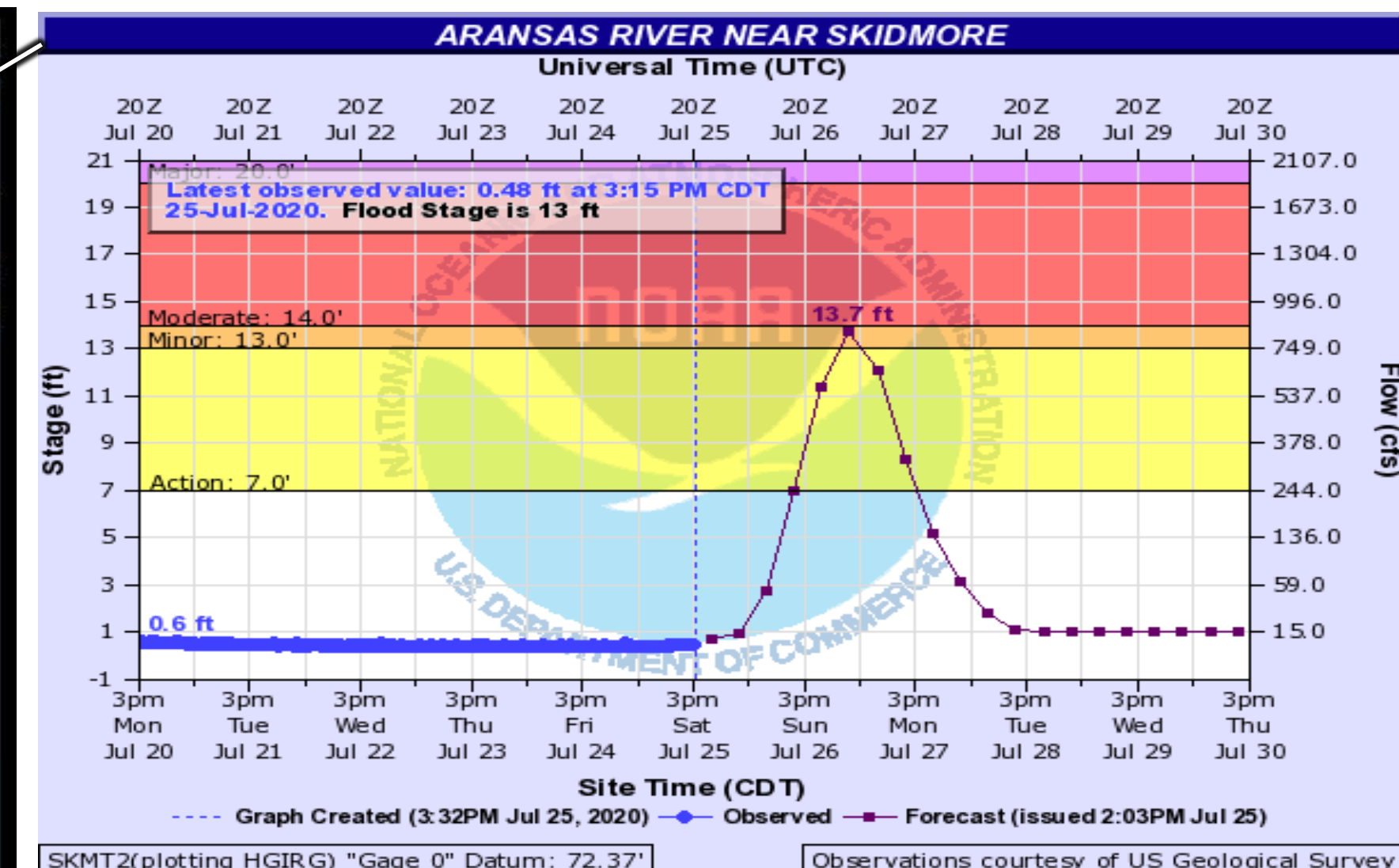
Last update: 4 minutes ago

Moderate
0

Last update: 5 minutes ago

Major
0

Last update: 5 minutes ago



Tropical Weather Outlook

Active in Central Atlantic



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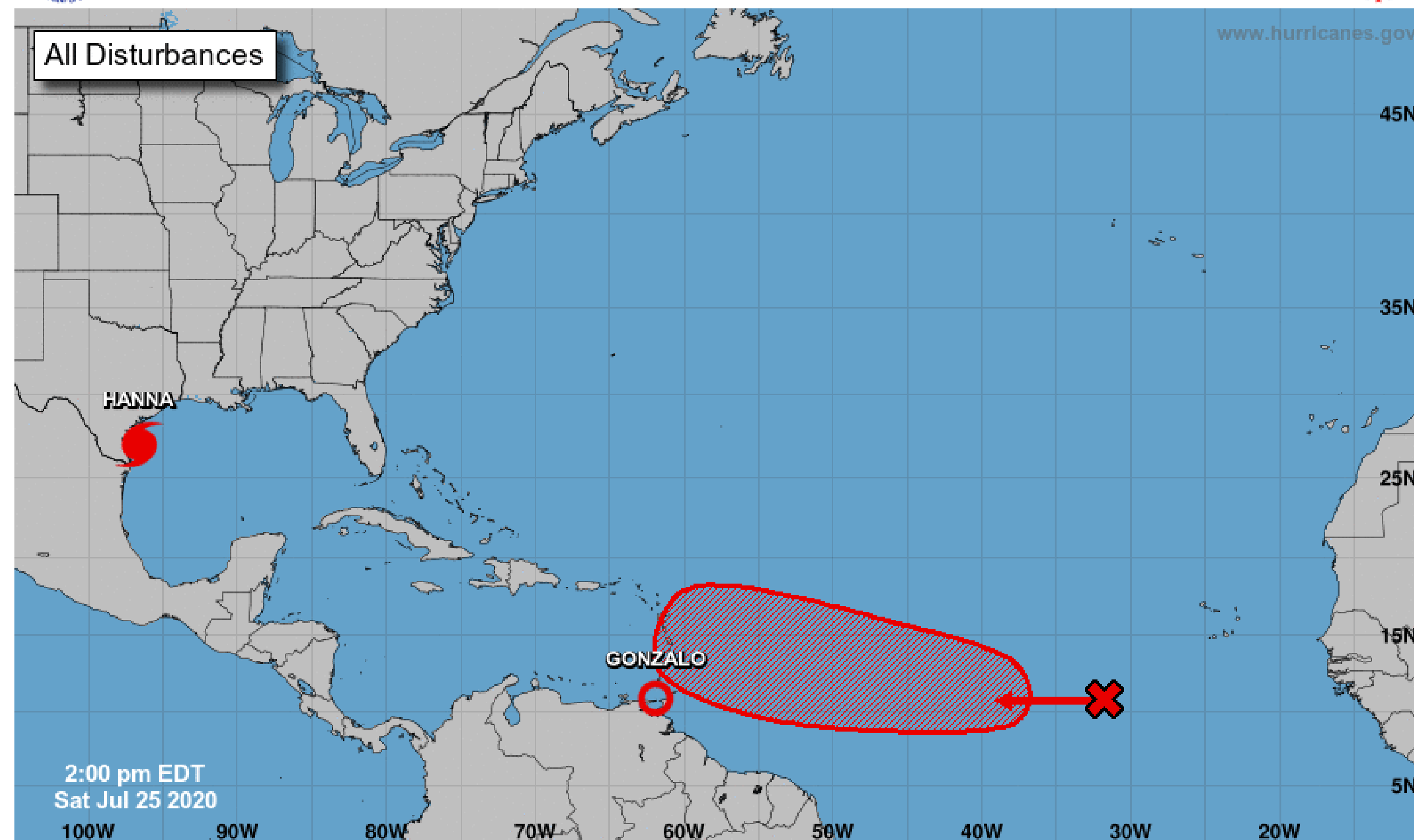
Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



www.hurricanes.gov

All Disturbances



Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane
 Post-Tropical Cyclone or Remnants

- Still other systems to watch after Hanna departs
 - TD Gonzalo
 - Tropical Wave in central Atlantic... **note that development chances have increased since the last briefing**

It is too soon to know any impacts to South Texas at this time from these systems!

Main Take-Aways

Hurricane Hanna



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The Next Webinar: Today 10:30 PM CT



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For the latest graphics and information go to: www.hurricanes.gov or weather.gov/crp/tropical



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