



HURRICANE HANNA BRIEFING

10:30 AM CT

Saturday, July 25, 2020

Prepared by: Melissa Huffman, WFO Corpus Christi

What has changed:

Hanna is now a hurricane.

Intensity at landfall has increased slightly.

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

Situation Overview

Hurricane Hanna



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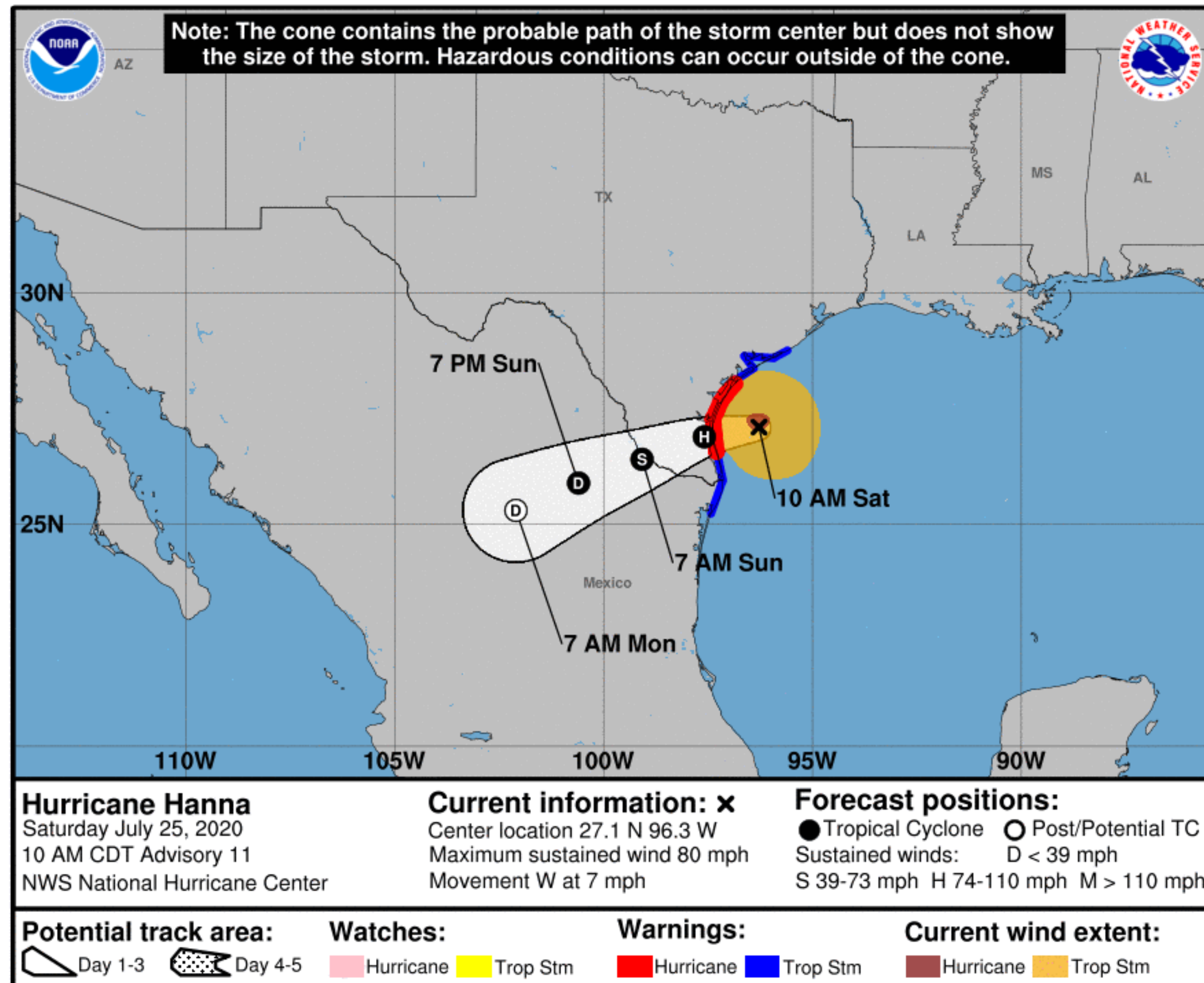
- **A Hurricane Warning remains in effect from Port Mansfield to Mesquite Bay**
- **A Tropical Storm Warning remains in effect from Mouth of the Rio Grande to High Island**
 - Hanna is expected to be a Category I Hurricane at landfall near or south of Baffin Bay this afternoon. **Sustained winds over 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**
 - Slow storm motion after landfall could result in several days of heavy rainfall and a potential for dangerous flooding!
 - 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 tides with 3 to 5 ft inundation AGL along Gulf-facing beaches.
 - Easterly winds behind Hanna will keep coastal water levels elevated through after Hanna departs
- **Tornado threat will gradually increase this morning as Hanna reaches the coast**
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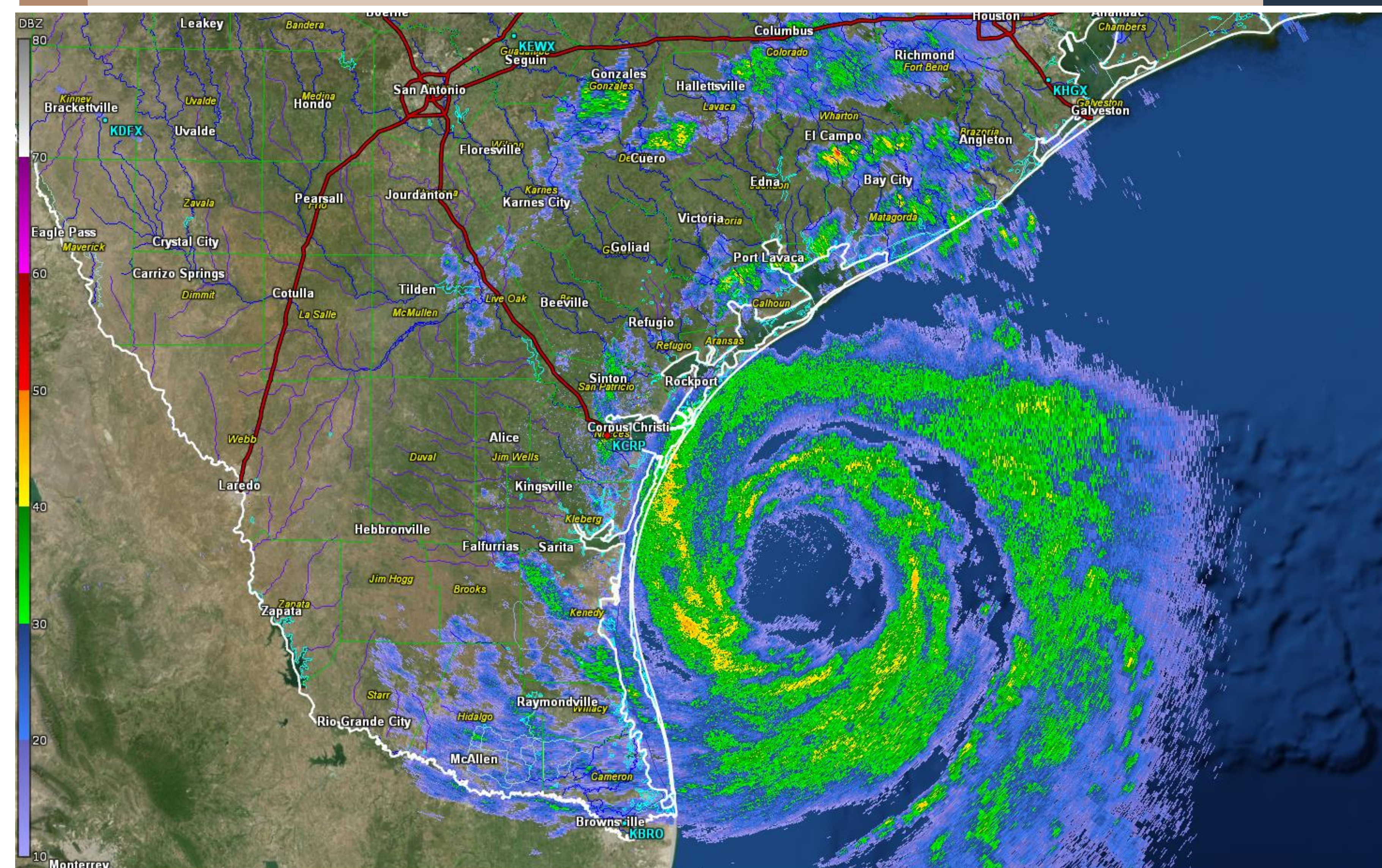
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

Current Radar: 10:15 AM CT

Hurricane Hanna



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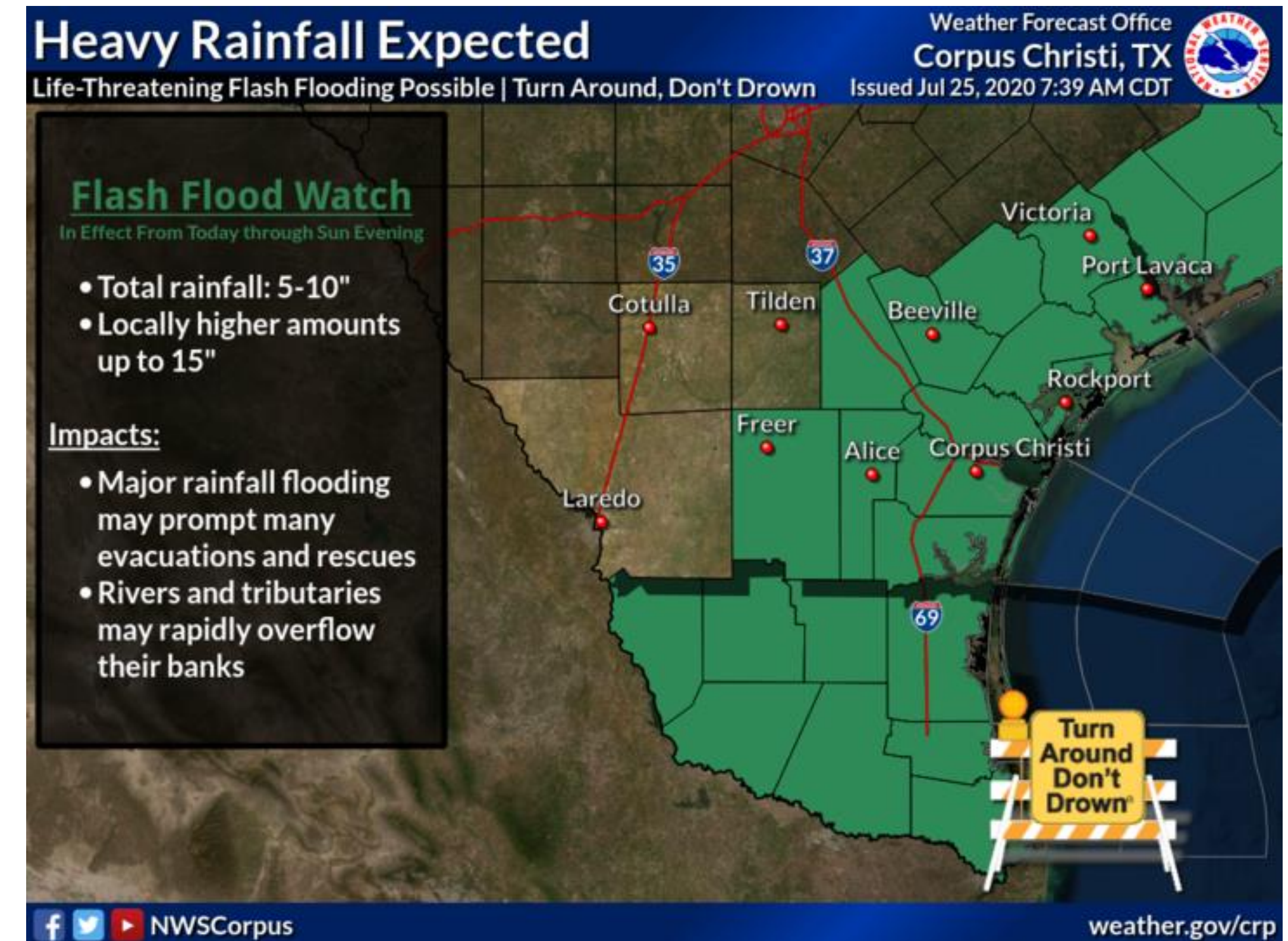
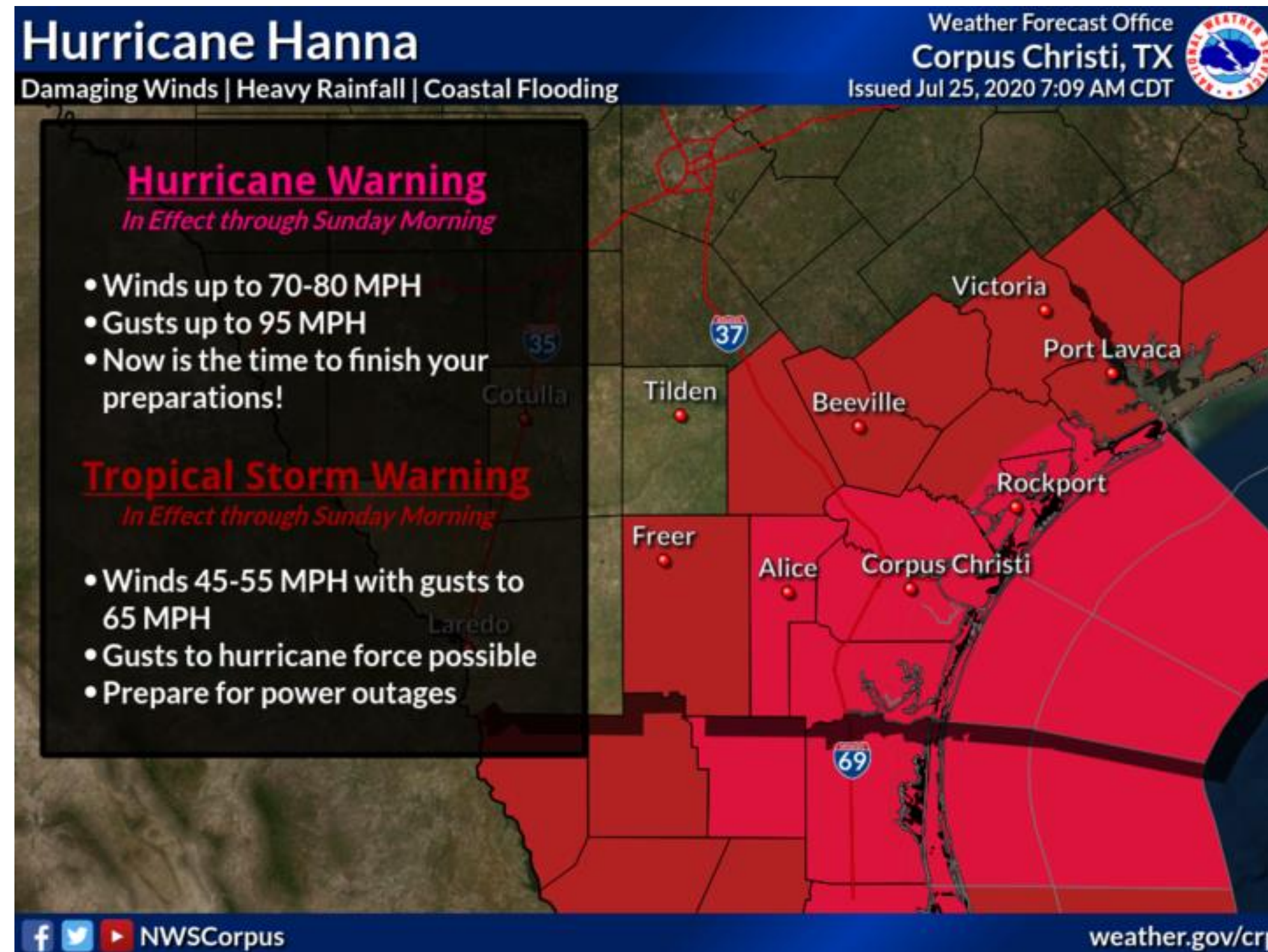
- Hanna is located about 85 miles southeast of Corpus Christi
- Maximum sustained winds of 80 MPH
- Currently moving west at 7 MPH

Active Watches and Warnings

Hurricane Hanna



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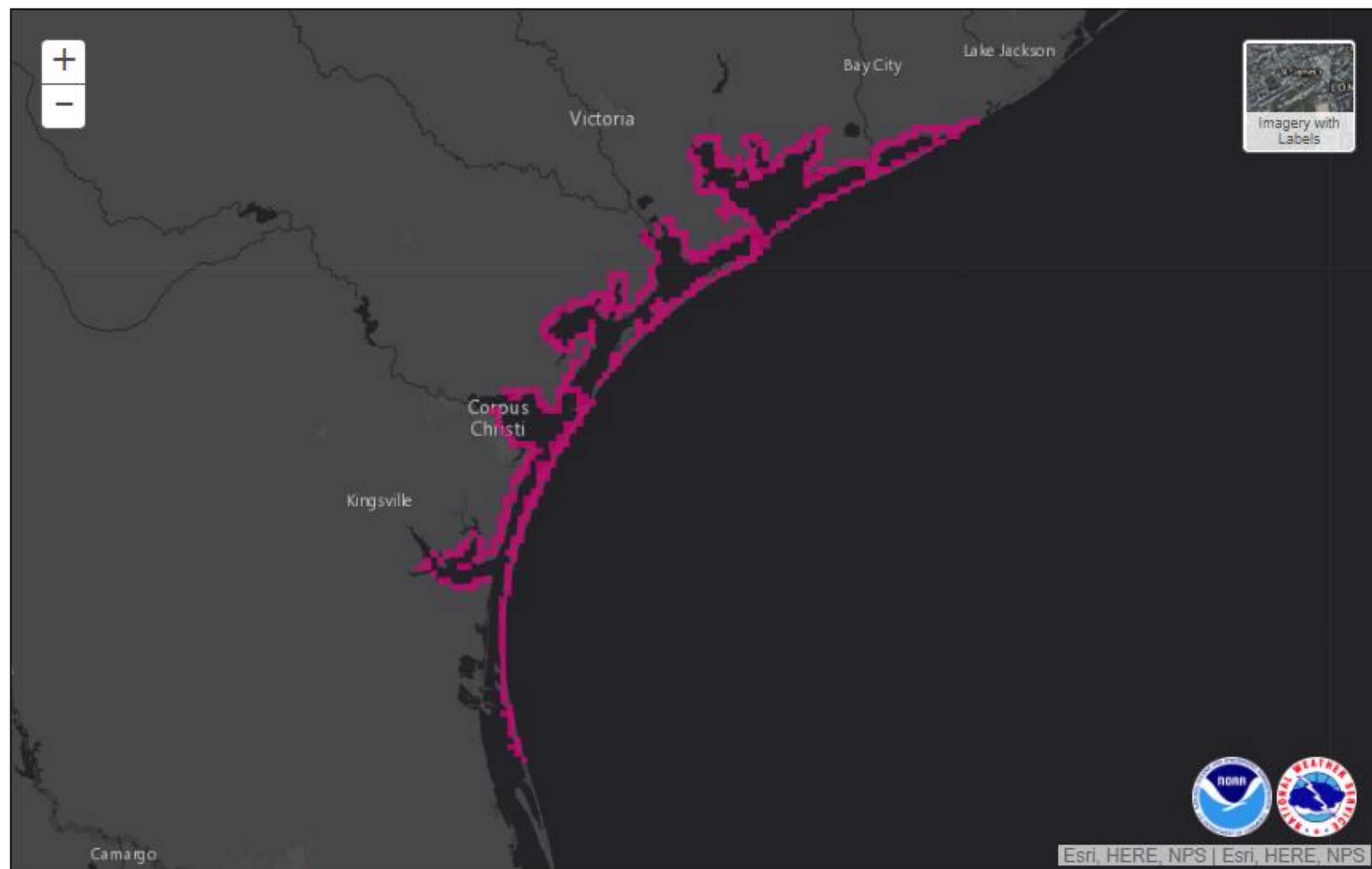
Active Watches and Warnings

Hurricane Hanna



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



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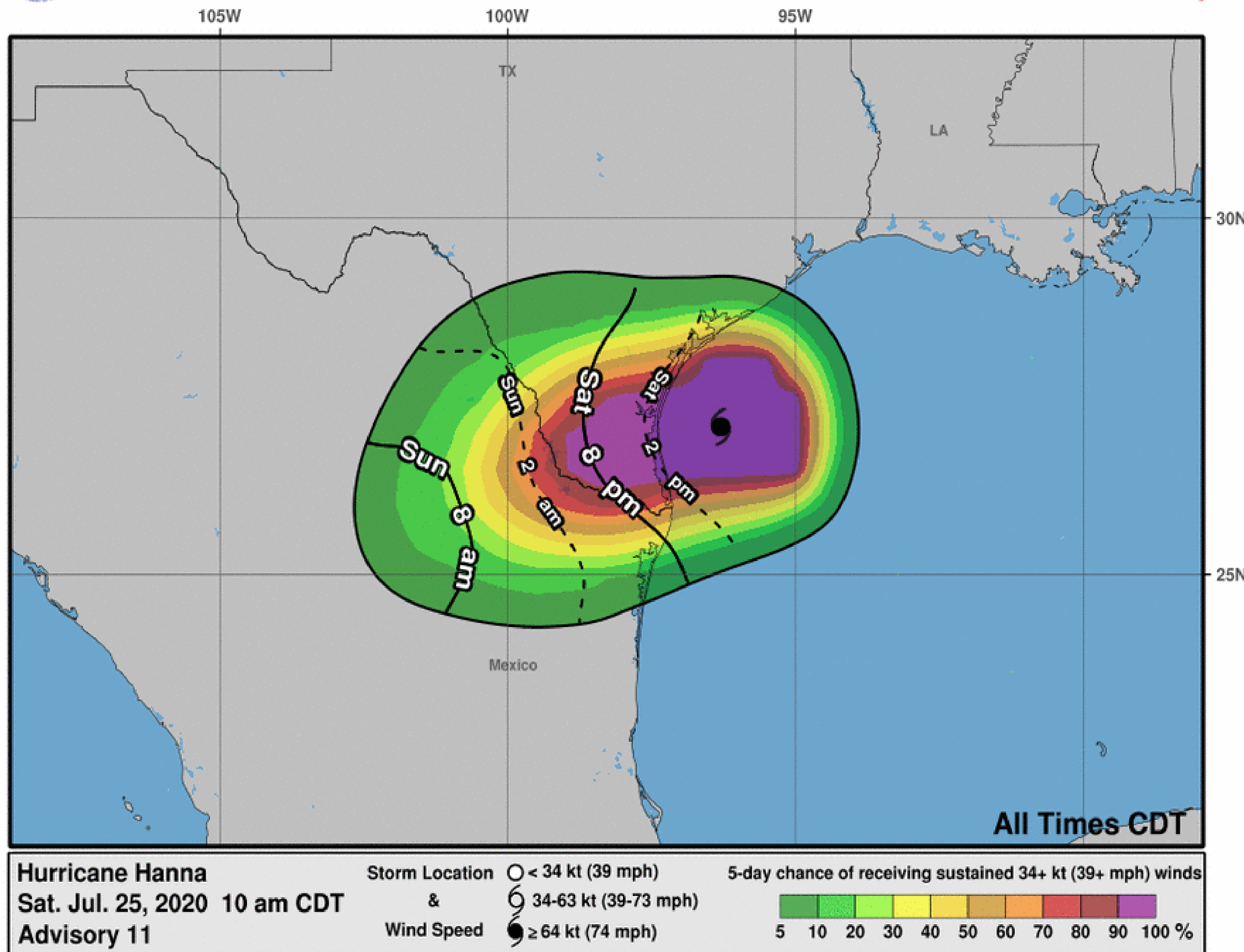
Most Likely Time of Arrival

Hurricane Hanna



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Most Likely Arrival Time of Tropical-Storm-Force Winds



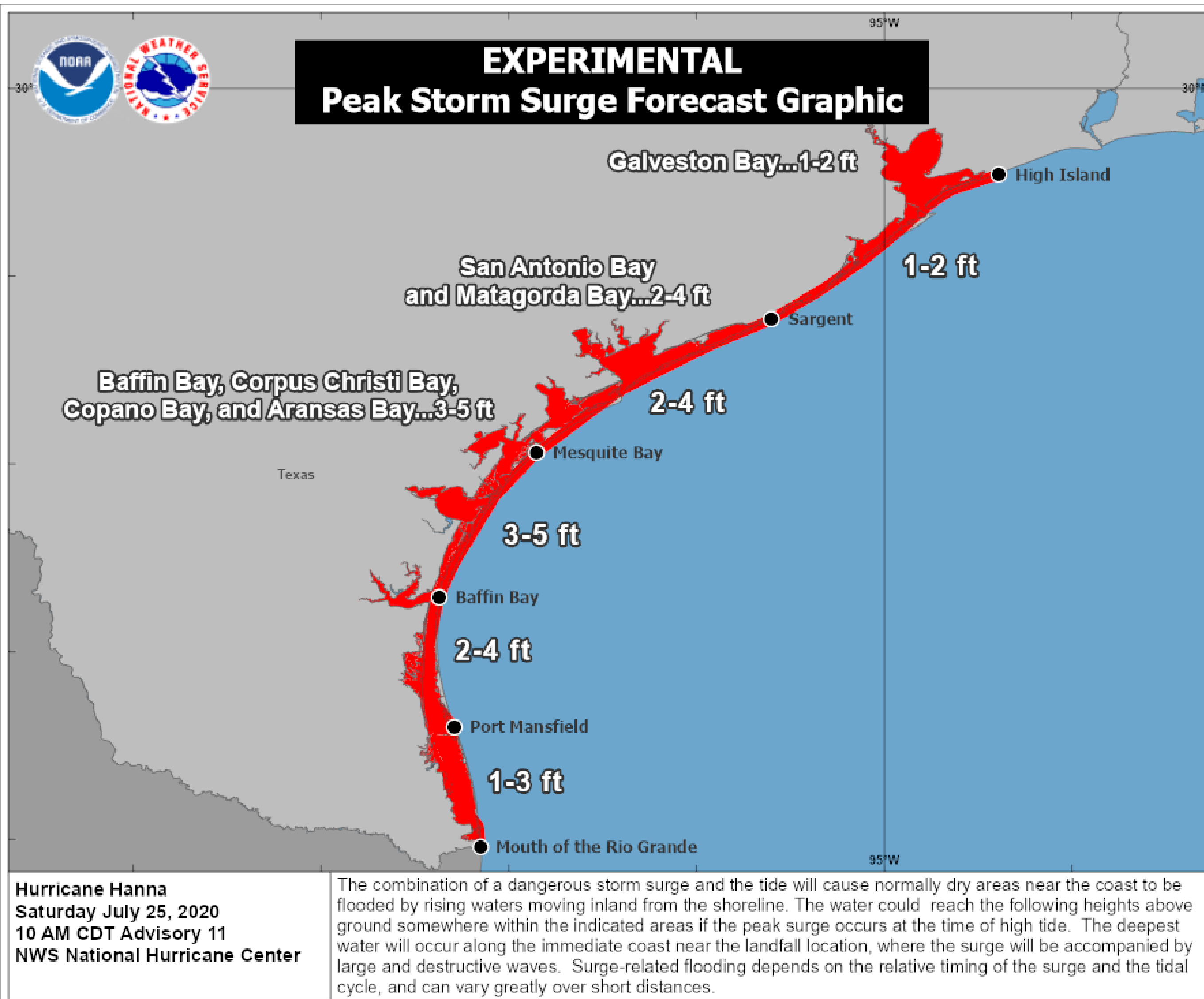
- Tropical-Storm-Force winds have already arrived along the Middle Texas coast and are expected to reach:
 - Western portions of the Coastal Bend and Brush Country by this evening
 - The Rio Grande by late tonight
- When Tropical-Storm-Force winds end will be dependent on the forward speed of Hanna, but will most likely end this evening along the coast and Sunday morning closer to the Rio Grande
 - Winds may last as late as early Sunday morning along the coast and Sunday afternoon for areas along the Rio Grande

Potential Storm Tide Impacts

Hurricane Hanna



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Storm Surge:

- A Storm Surge Warning is in effect
- 3 to 5 feet of inundation (water above ground level, AGL) possible along beaches and bays of the Middle Texas Coast, especially along and to the right of where the center of Hanna crosses the coast.
- Inundation of beach access roads and Highway 361 expected with dune erosion; some beach locations likely cut-off due to flooding on roadways
- High tide times this afternoon:
 - Bob Hall Pier: 7:14 PM
 - Packery Channel: 2:31 PM
 - Nueces Bay: 4:49 PM
 - Port Aransas: 7:24 PM

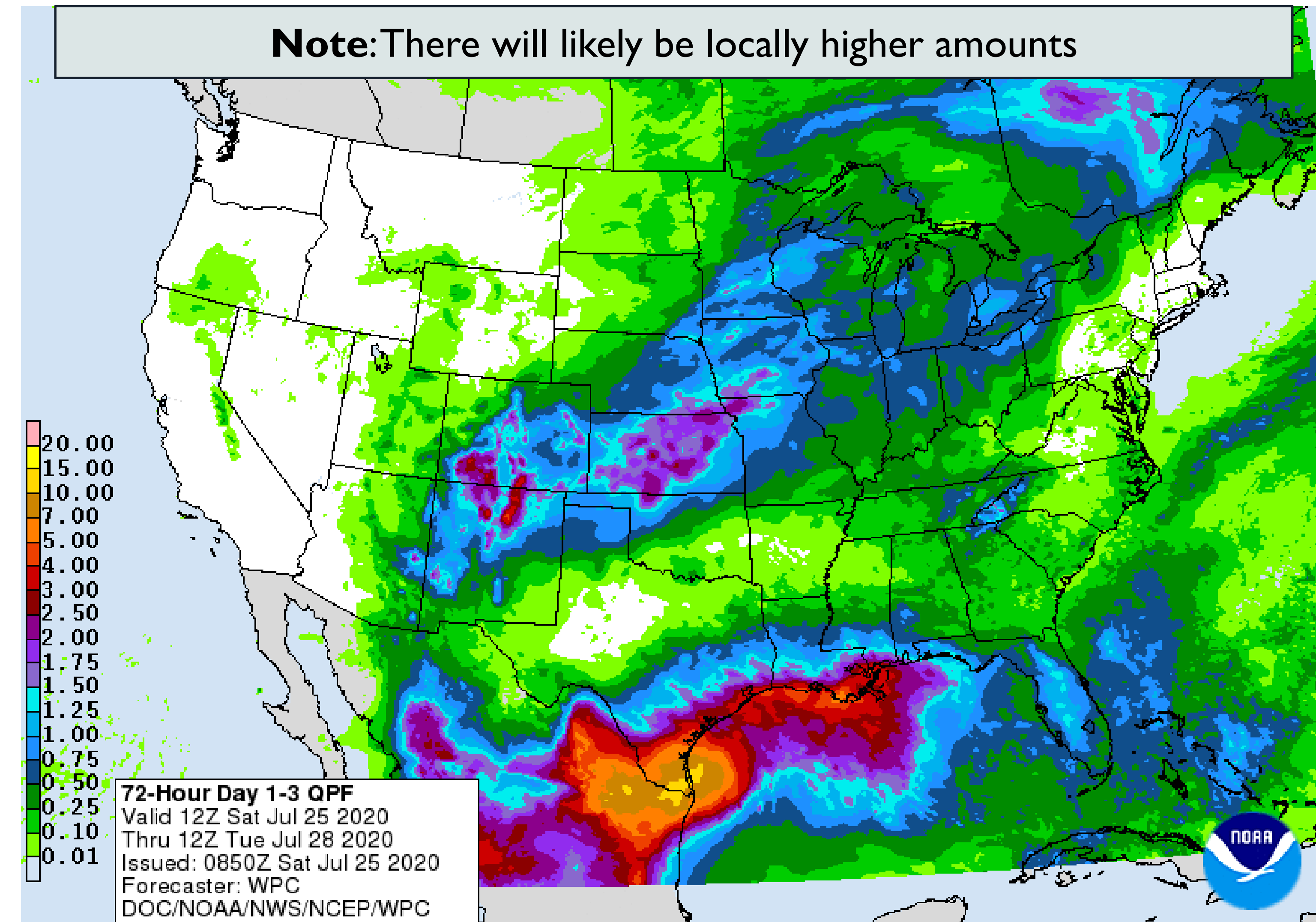
Expected Storm Total Rainfall

Hurricane Hanna



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Note: There will likely be locally higher amounts



Storm Total rainfall forecast valid today through Tuesday morning

- NOTE: This is a shorter timeframe than in previous briefings to better capture Hanna's forecast rainfall
- Heavy rain is expected to occur through today and continue 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

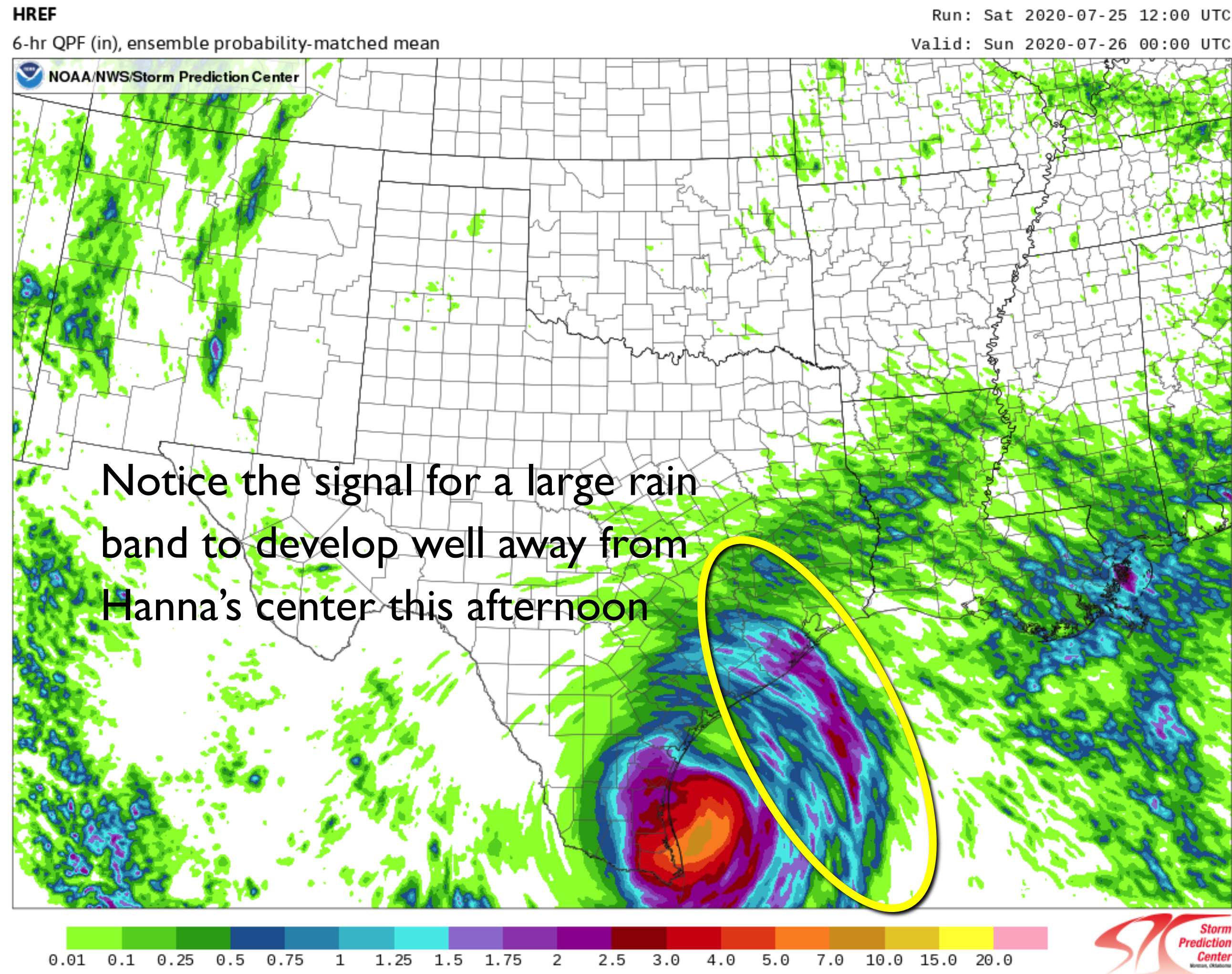
Rain Bands Can Extend Well Away from Hanna

Hurricane Hanna



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



- Even though Hanna's track has shifted towards the south, rain bands capable of heavy rainfall will be possible well away from Hanna's center
- This could result in areas that do not see the strongest winds from Hanna still receiving flooding impacts

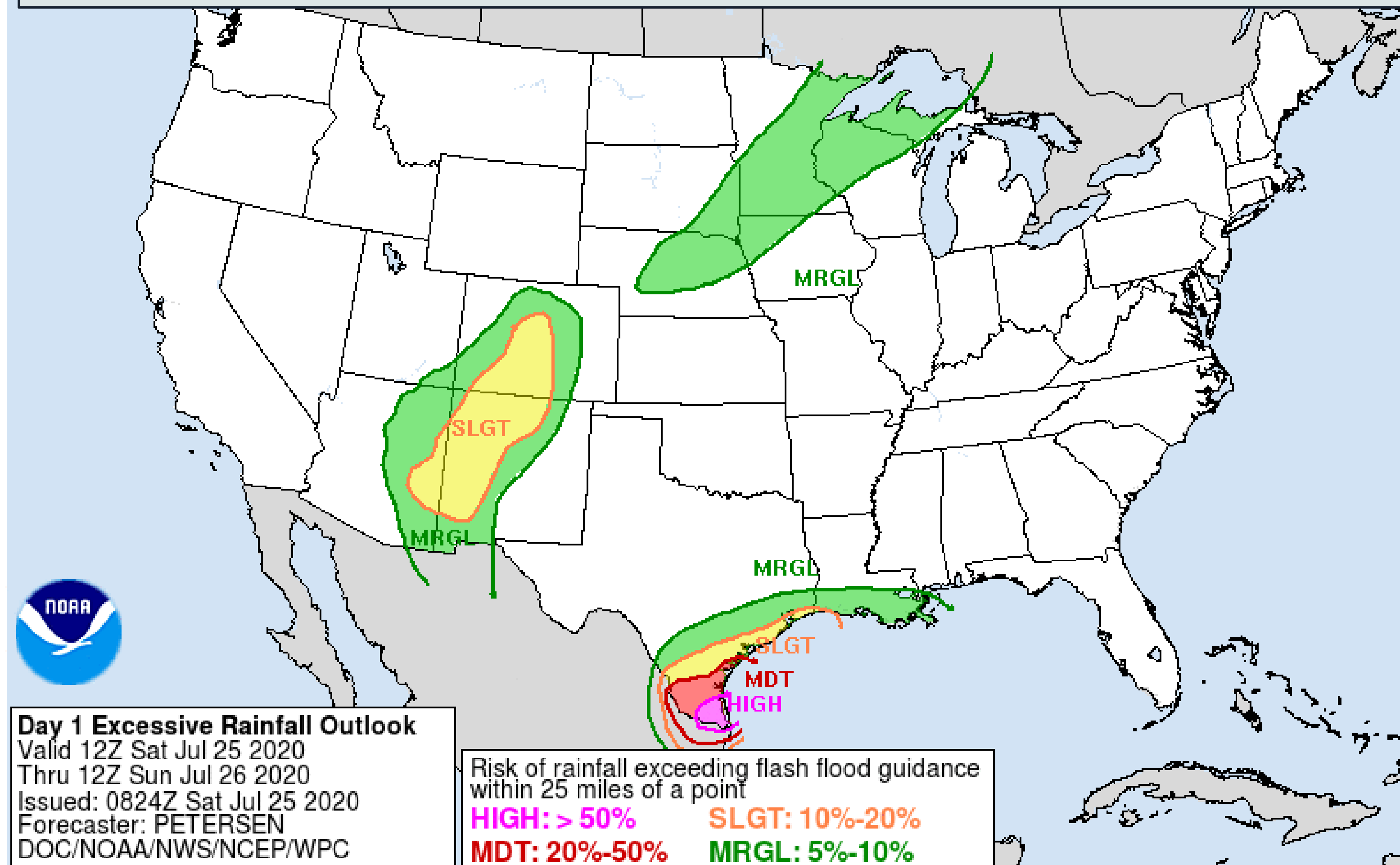
Excessive Rainfall Outlook

Hurricane Hanna



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Excessive Rainfall Outlook Valid Today



- The Flash Flood Threat for portions of the Coastal Bend has increased on Saturday.
- Location of any river flood or flash flood threats will occur will be dependent on where rain bands set up and center of storm tracks.
- **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 as rain today will make South Texas sensitive to additional rainfall behind Hanna on Sunday



Day 2 Excessive Rainfall Outlook
Valid 12Z Sun Jul 26 2020
Thru 12Z Mon Jul 27 2020
Issued: 0822Z Sat Jul 25 2020
Forecaster: HAYES
DOC/NOAA/NWS/NCEP/WPC

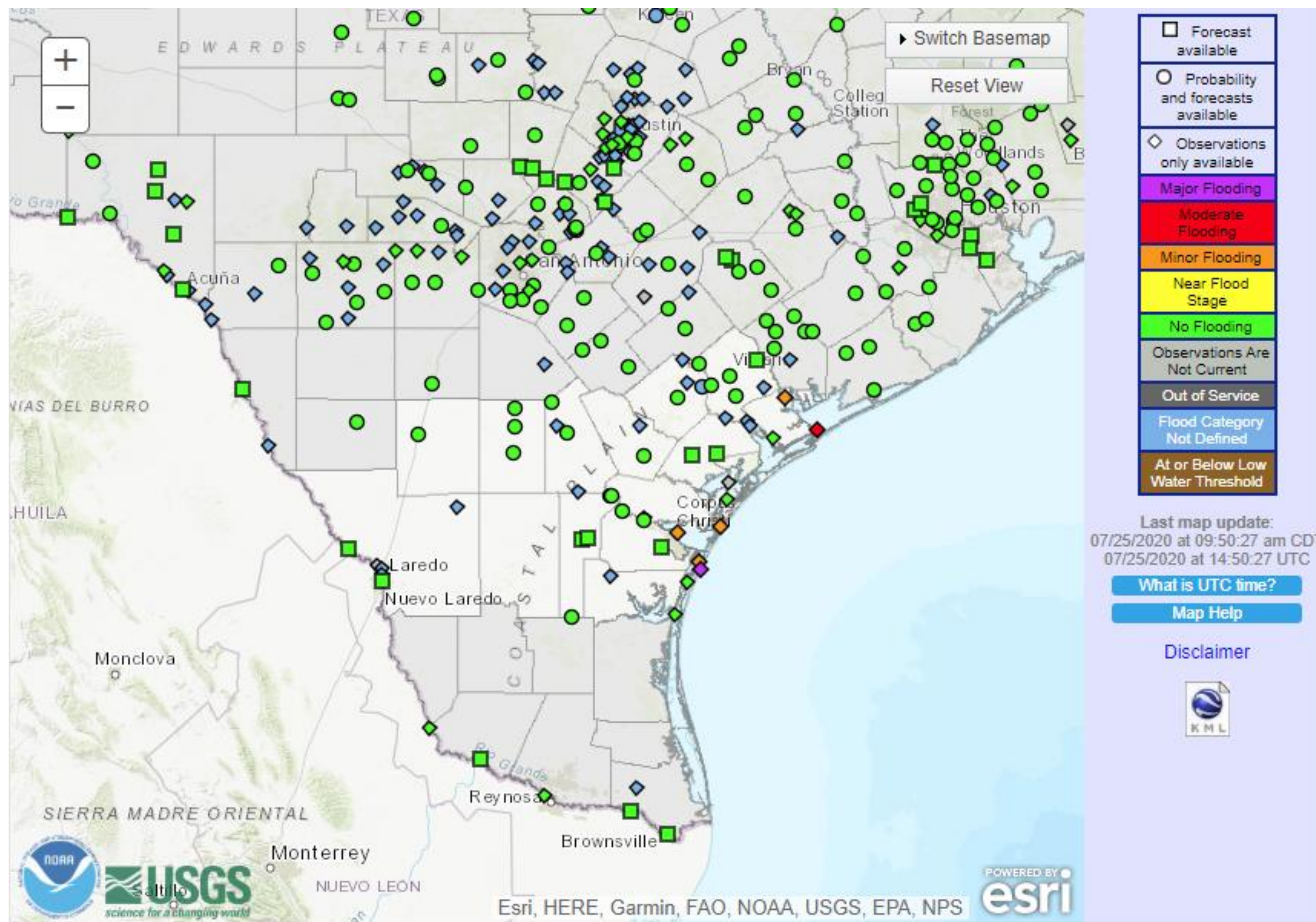
Risk of rainfall exceeding flash flood guidance within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Potential for River Flooding

Hurricane Hanna



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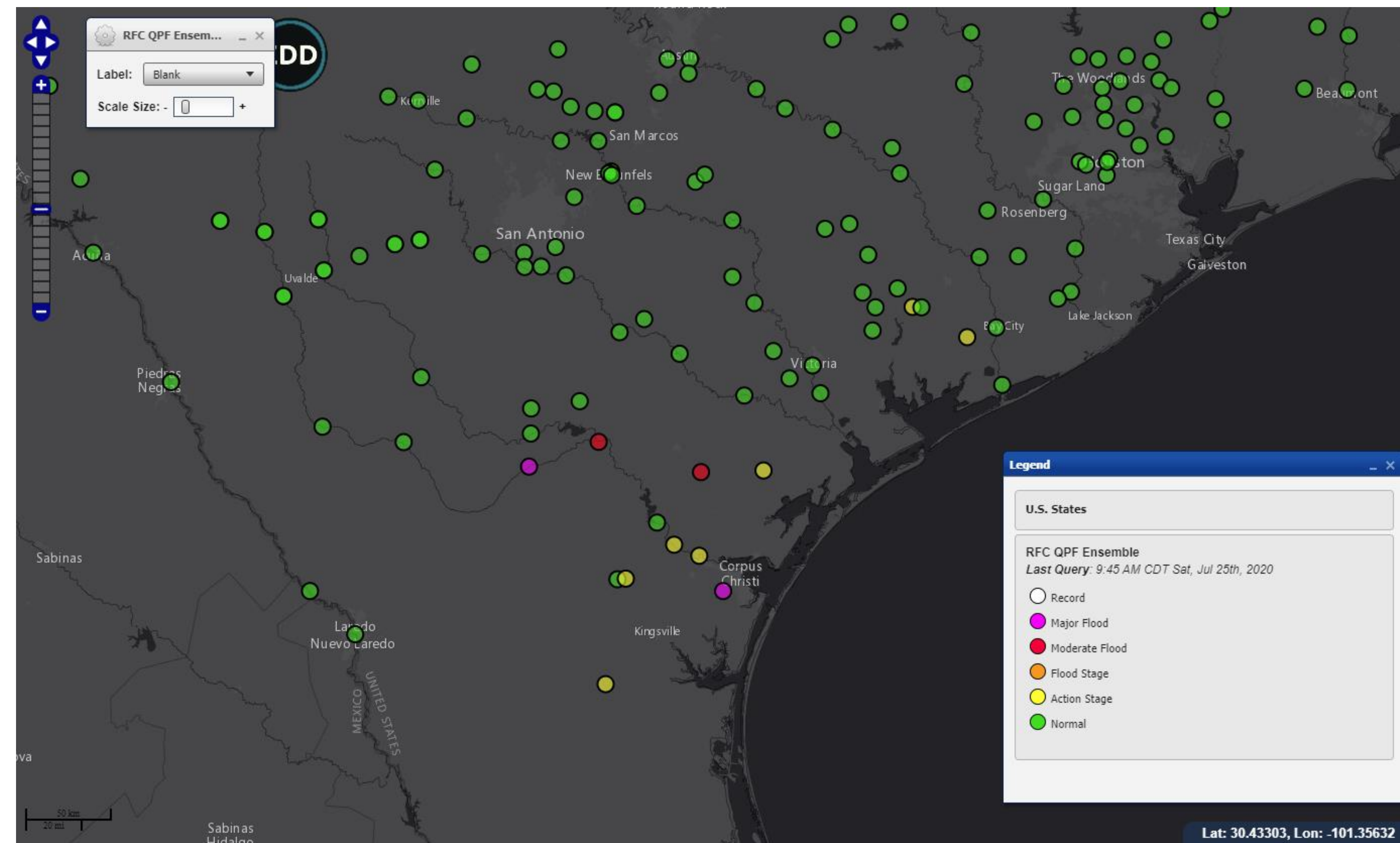
- Coastal tide gauges already reporting flooding from storm surge
- Since most rain has been offshore, little response has been seen farther inland this morning

Potential for River Flooding

Hurricane Hanna



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- Forecast rainfall could result in flood stage being approached at several locations
 - Dots that are not green show the locations that have this potential
- Whether or not this happens is dependent on **where** the heaviest rain falls

Tropical Weather Outlook

Active in Central Atlantic

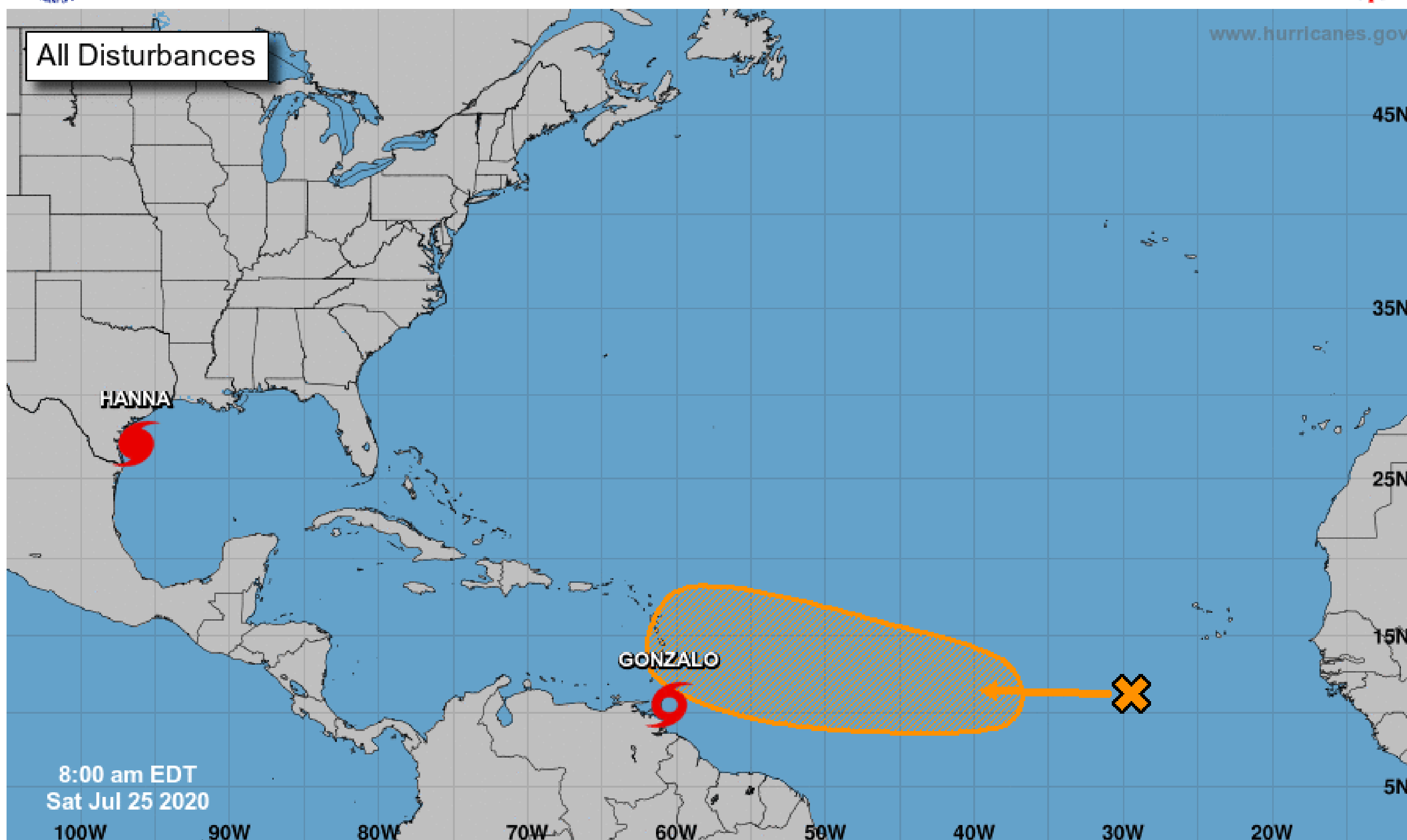


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Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



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
 - TS Gonzalo
 - Tropical Wave in central Atlantic

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 4:30 PM CT

*****A 10:30 PM CT Webinar will also be held.*****



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E-mail: sr-crp.awareness@noaa.gov



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

