

**IMPACTS FOR D8 (through next 5 days)**

**Winds – Extreme**

**Storm Surge – High**

**Rainfall/Flash Flooding – Extreme**

**Tornadoes – Medium**

**Waves - Extreme**

# Hurricane Adam BRIEFING

9:00 AM CDT

Wednesday, April 20, 2022

Prepared by:

**TAFB FORECASTER**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*

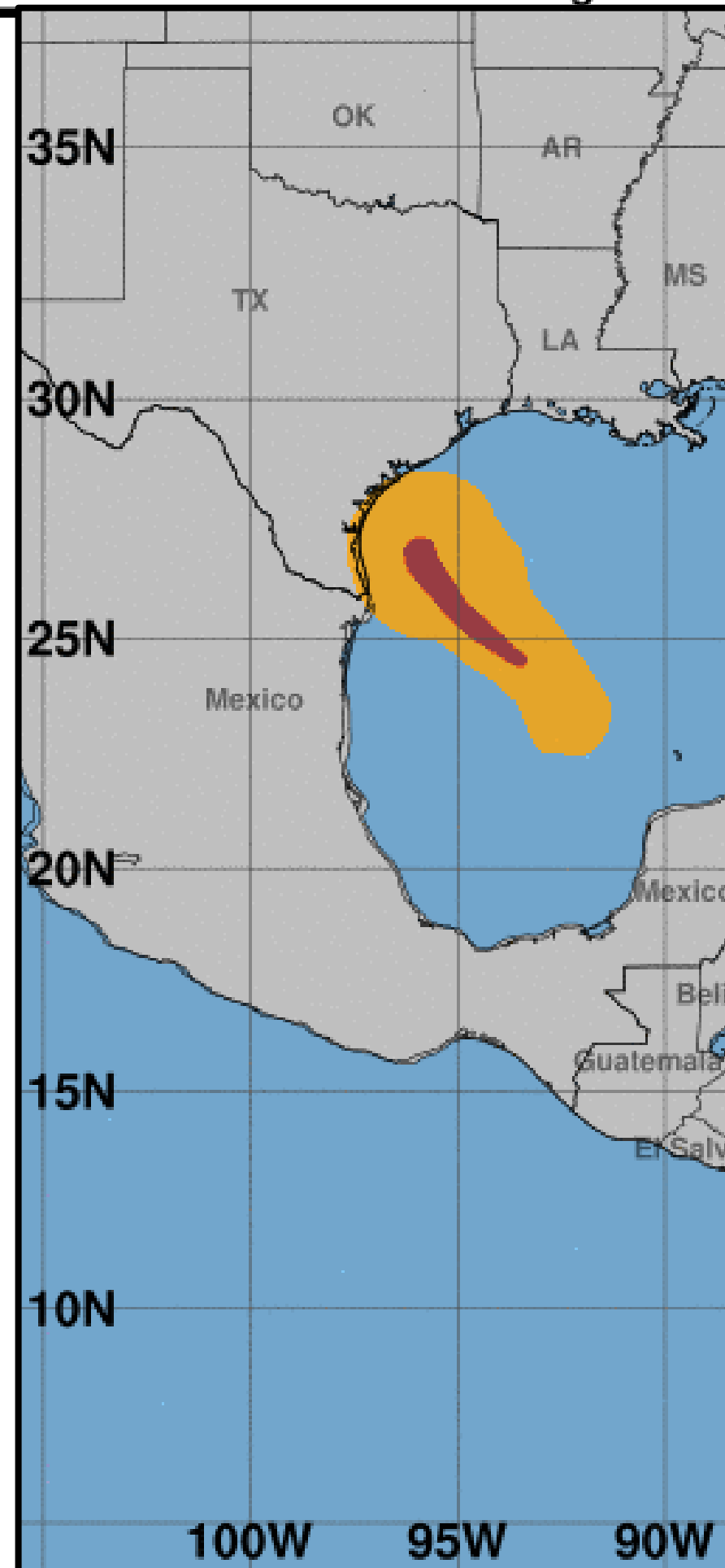


# Situation Overview

Hurricane Adam



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**...OUTER RAINBAND FROM ADAM SWIPING  
THE LOWER AND MIDDLE TEXAS  
COASTS...**

**...CATASTROPHIC FLOODING EXPECTED  
ACROSS PORTIONS OF SOUTHERN AND  
SOUTHEASTERN TEXAS...**

## Summary of 1000 AM CDT Information

Location...26.7N 96.0W

About 100 nm SE of Corpus Christi, Texas

About 100 nm SSE of Port O'Connor, Texas

Maximum Sustained Winds...95 kt

Present Movement...NW at 9 kt

Minimum Central Pressure...947 MB

12 ft Seas... 150NE 120SE 90SW 120NW.

Peak Seas: 31 ft

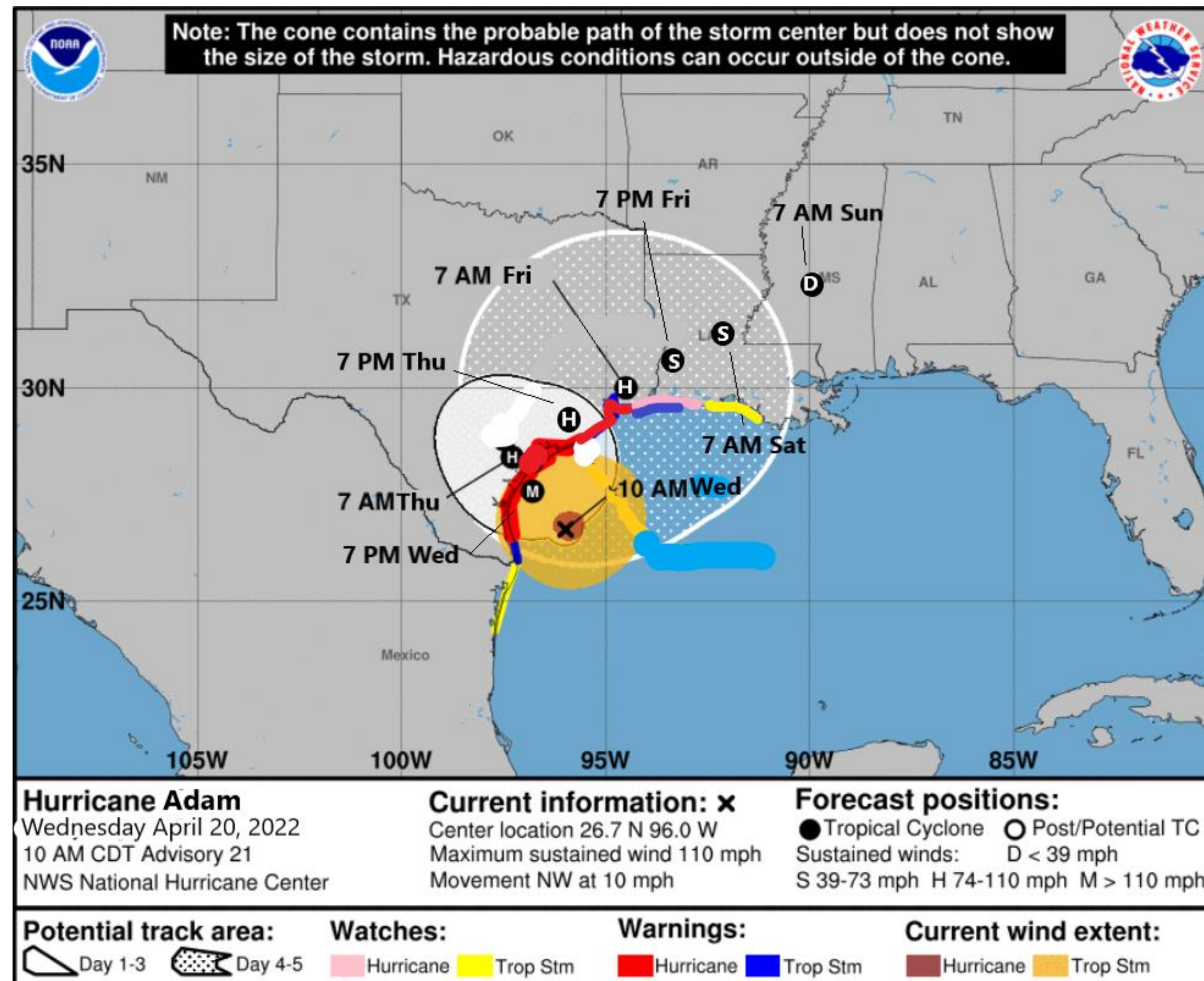


# Forecast Information

## Hurricane Adam



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

- **Adam is expected to strengthen into a major hurricane later today as it continues moving NW**
- **Adam will make landfall as a major hurricane sometime on Wednesday night along the South Texas coast**
- **As Adam moves inland, it will stay a hurricane as it turns ENE and moves across Southeast Texas and weaken to a tropical storm as it moves over Louisiana**
- Current center forecast positions through the next 5 days illustrated by dots
- White swath is potential track error through day 3
- Hatched swath is potential track error on days 4-5

\*\* Swaths are designed so the actual track will occur inside the cone two-thirds of the time. One-third of the time, the center will track outside the cone.

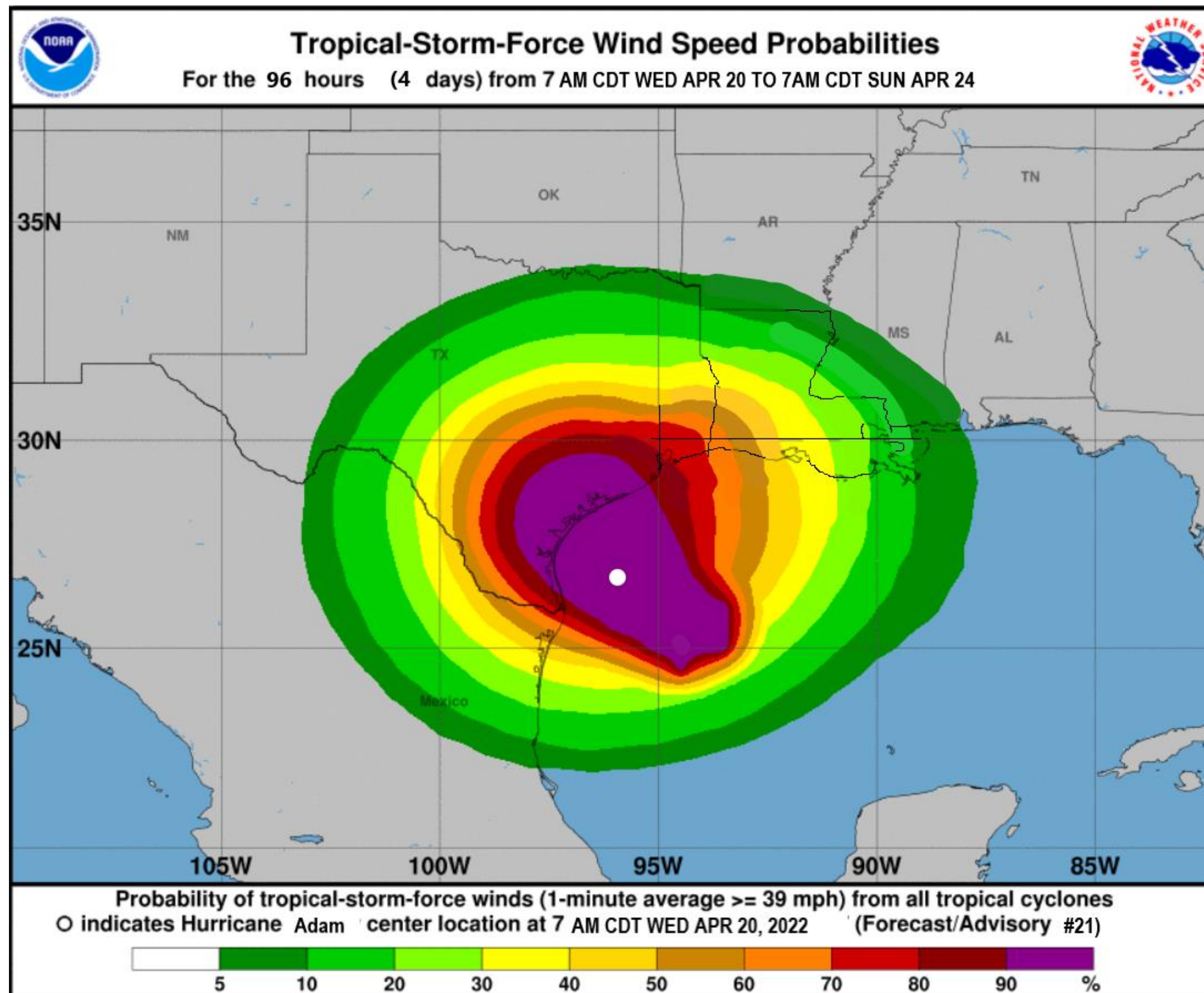


# T.S. Wind Speed Probabilities

Hurricane Adam



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- Brownsville - 70%
- Corpus Christi - 100%
- Port O'Connor - 100%
- Galveston - 80%
- Port Arthur - 70%
- Lake Charles - 55%

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.



# Hurricane Wind Speed Probabilities

Hurricane Adam



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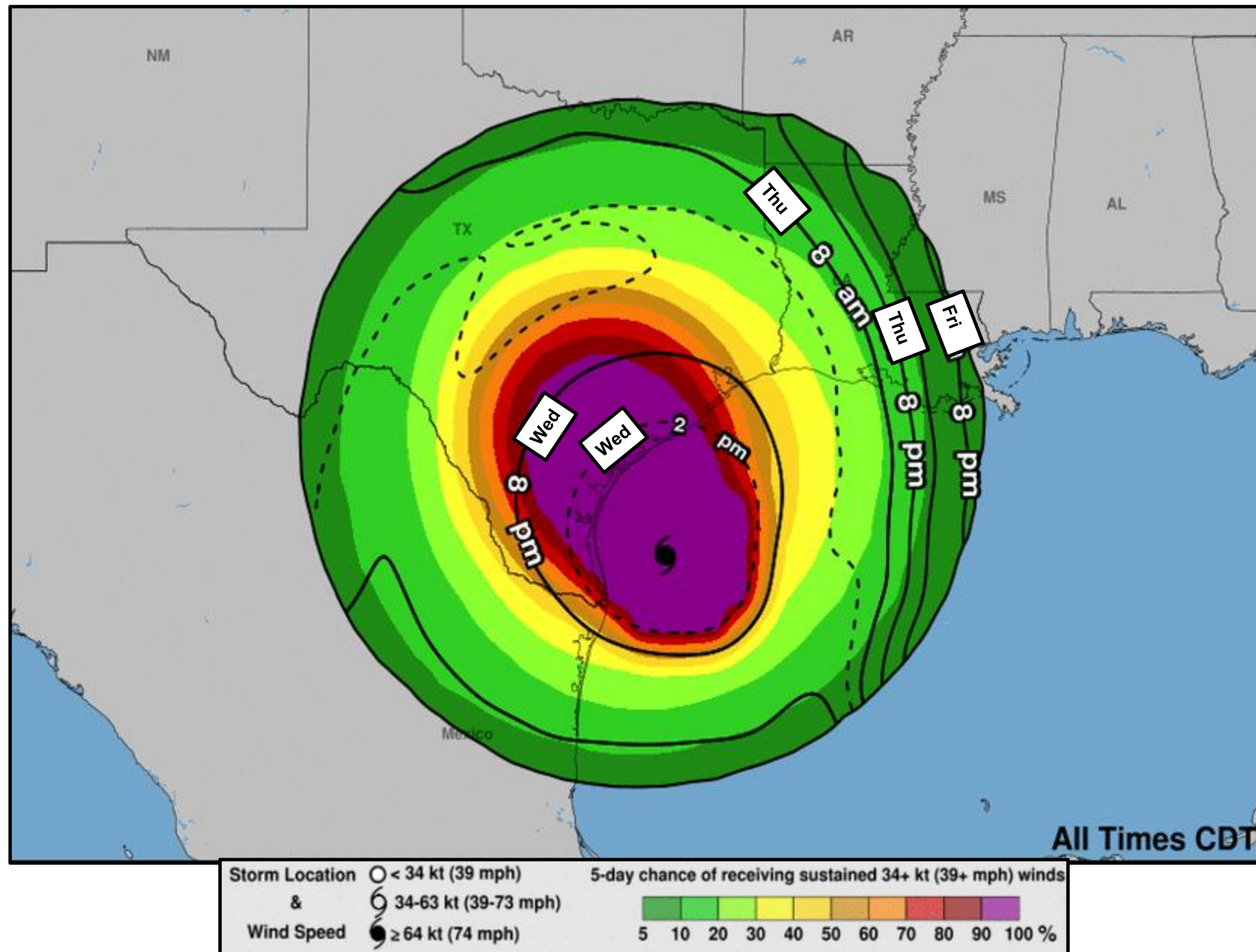
- Brownsville - 5%
- Corpus Christi - 60%
- Port O'Connor - 70%
- Galveston - 30%
- Port Arthur - 15%
- Lake Charles - 10%

Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.





## Hurricane Adam



- Tropical Storm force winds could begin along the South Texas coast as early as **later this afternoon**
- 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.

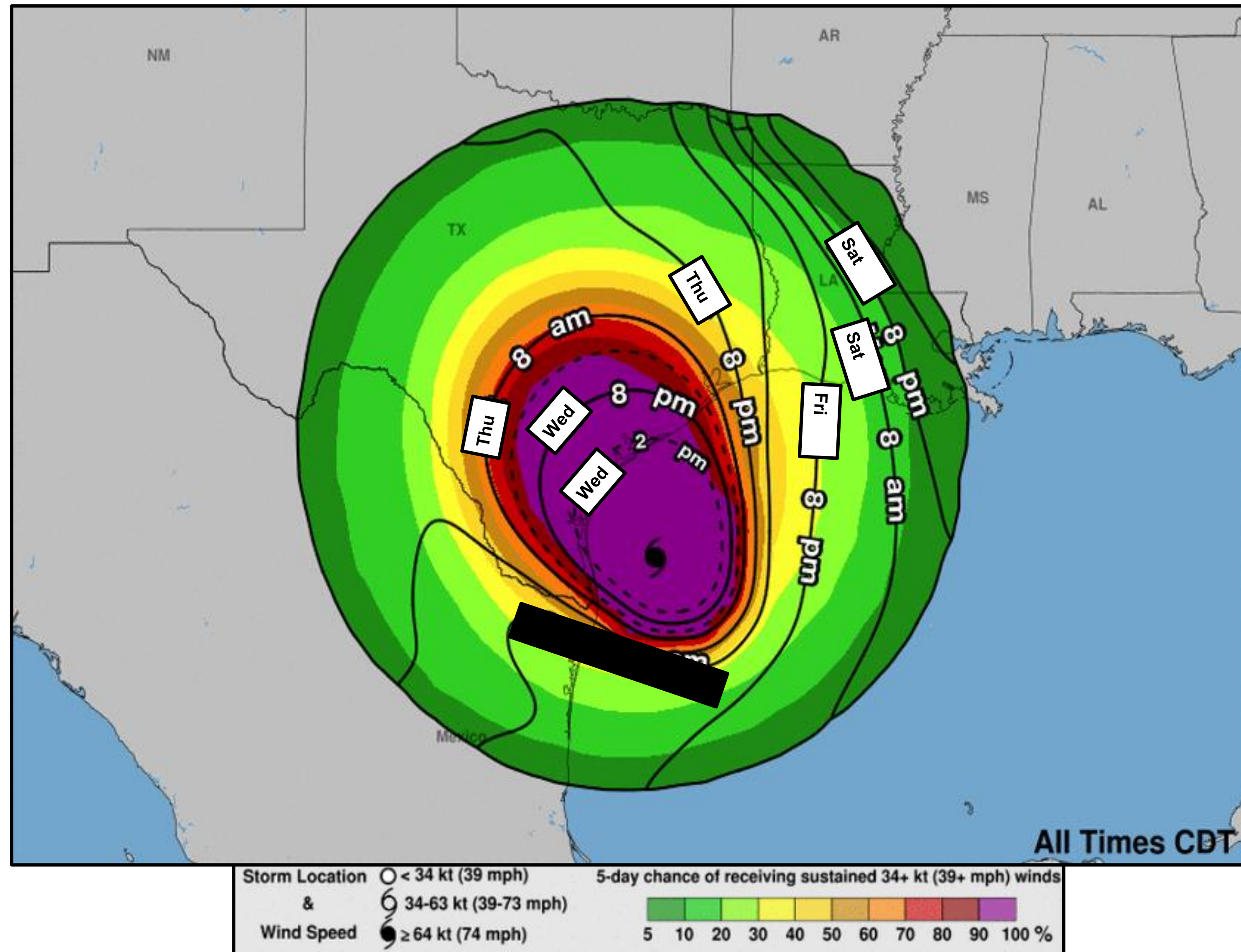


# Most Likely Time of Arrival and Tropical Storm Wind Speed Probabilities



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## Hurricane Adam



- Tropical Storm force winds most likely will begin along the South Texas coast by **this afternoon**
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.



# Potential Storm Surge

## Hurricane Adam



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### A Storm Surge **Warning** is in effect for...

\* Port Mansfield to High Island Texas

### A Storm Surge **Watch** is in effect for...

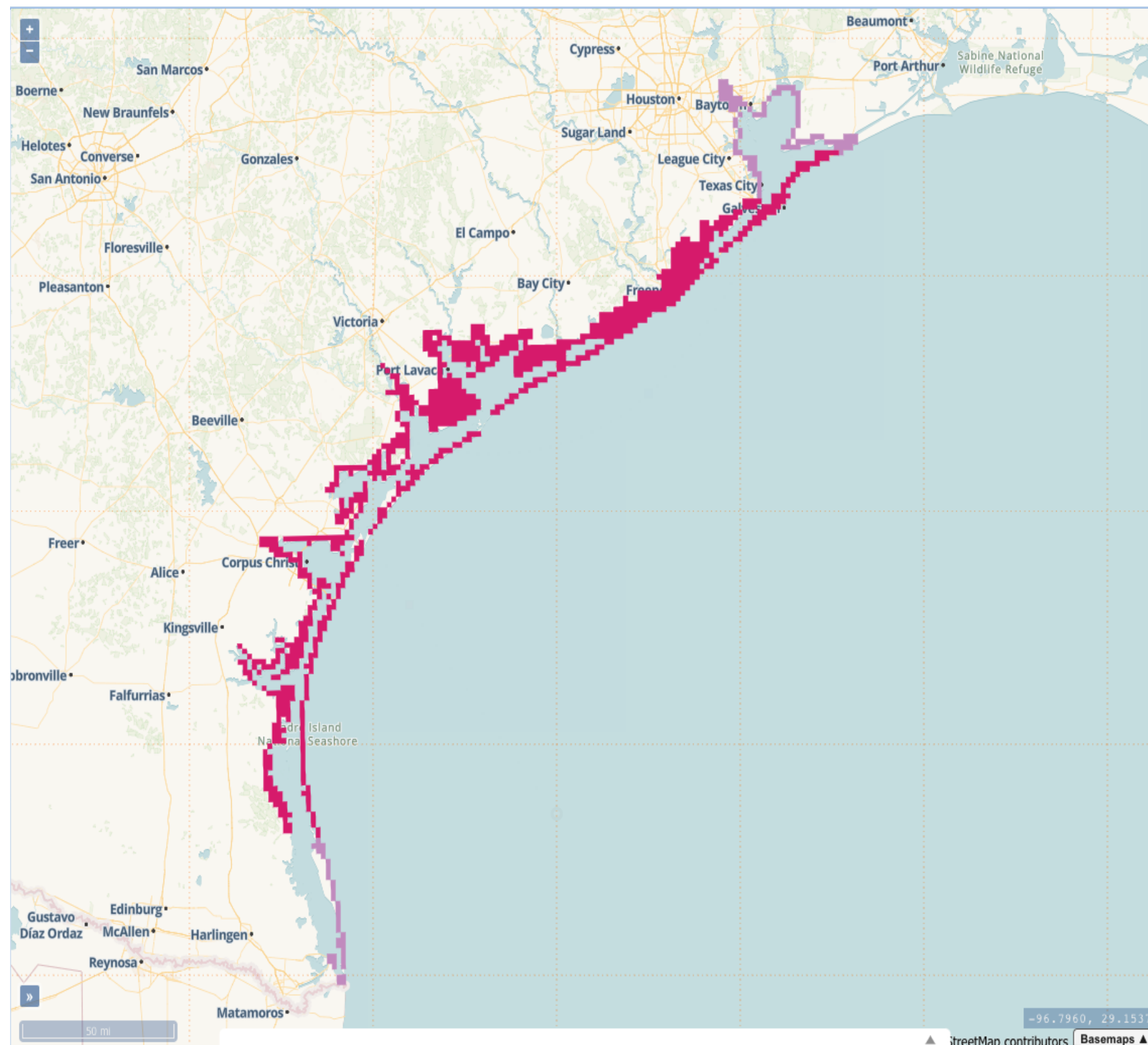
\* South of Port Mansfield Texas to the Mouth of the Rio Grande

\* Galveston Bay

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water could reach the following heights above ground somewhere in the indicated areas if the peak surge occurs at the time of high tide...

- N Entrance Padre Island Natl Seashore to Sargent...6 to 12 ft
- Sargent to Jamaica Beach...5 to 8 ft
- Port Mansfield to N Entrance Padre Island Natl Seashore...5 to 7 ft
- Jamaica Beach to High Island...2 to 4 ft
- Mouth of the Rio Grande to Port Mansfield...2 to 4 ft
- High Island to Morgan City...1 to 3 ft

The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and damaging waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.



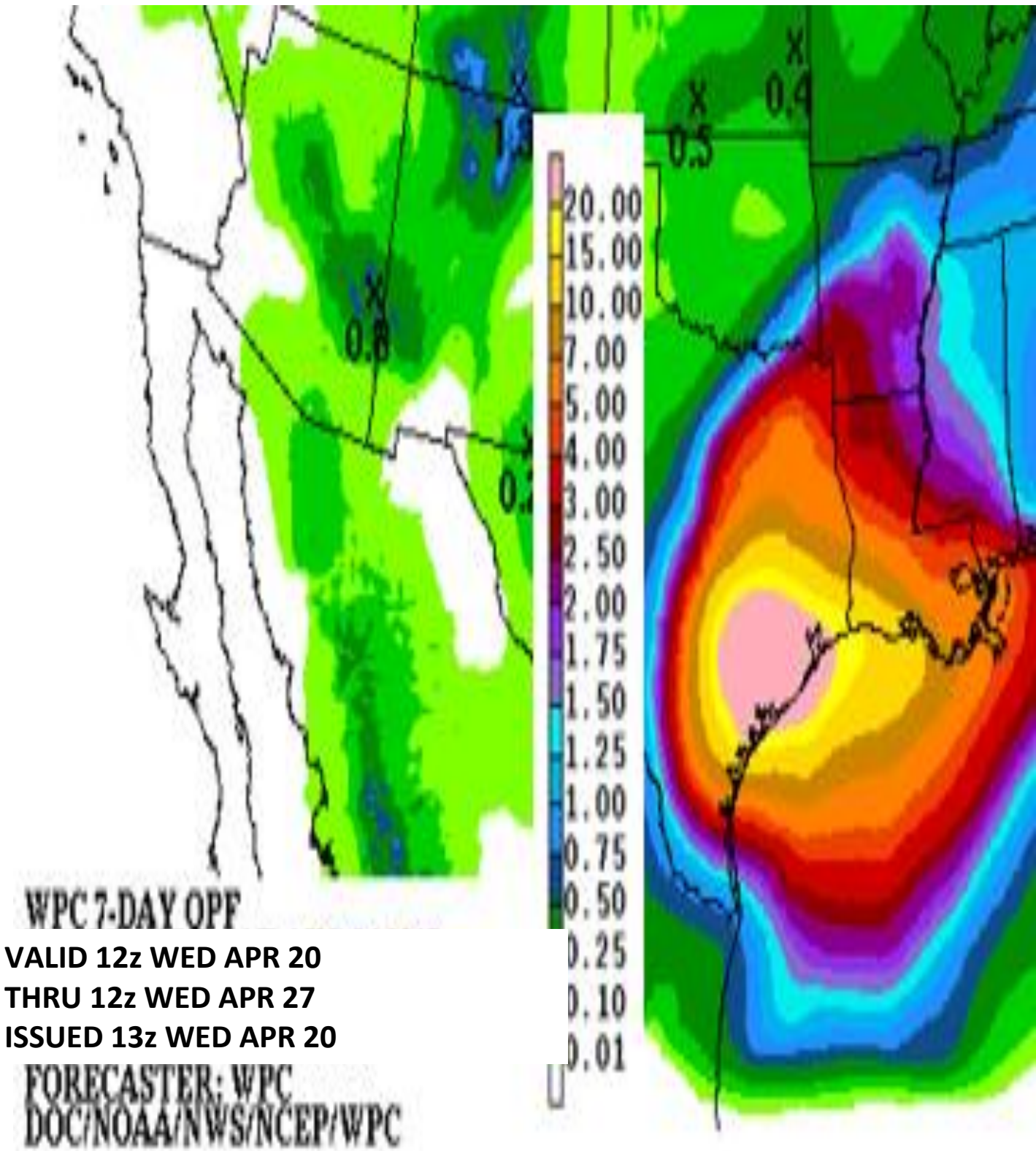
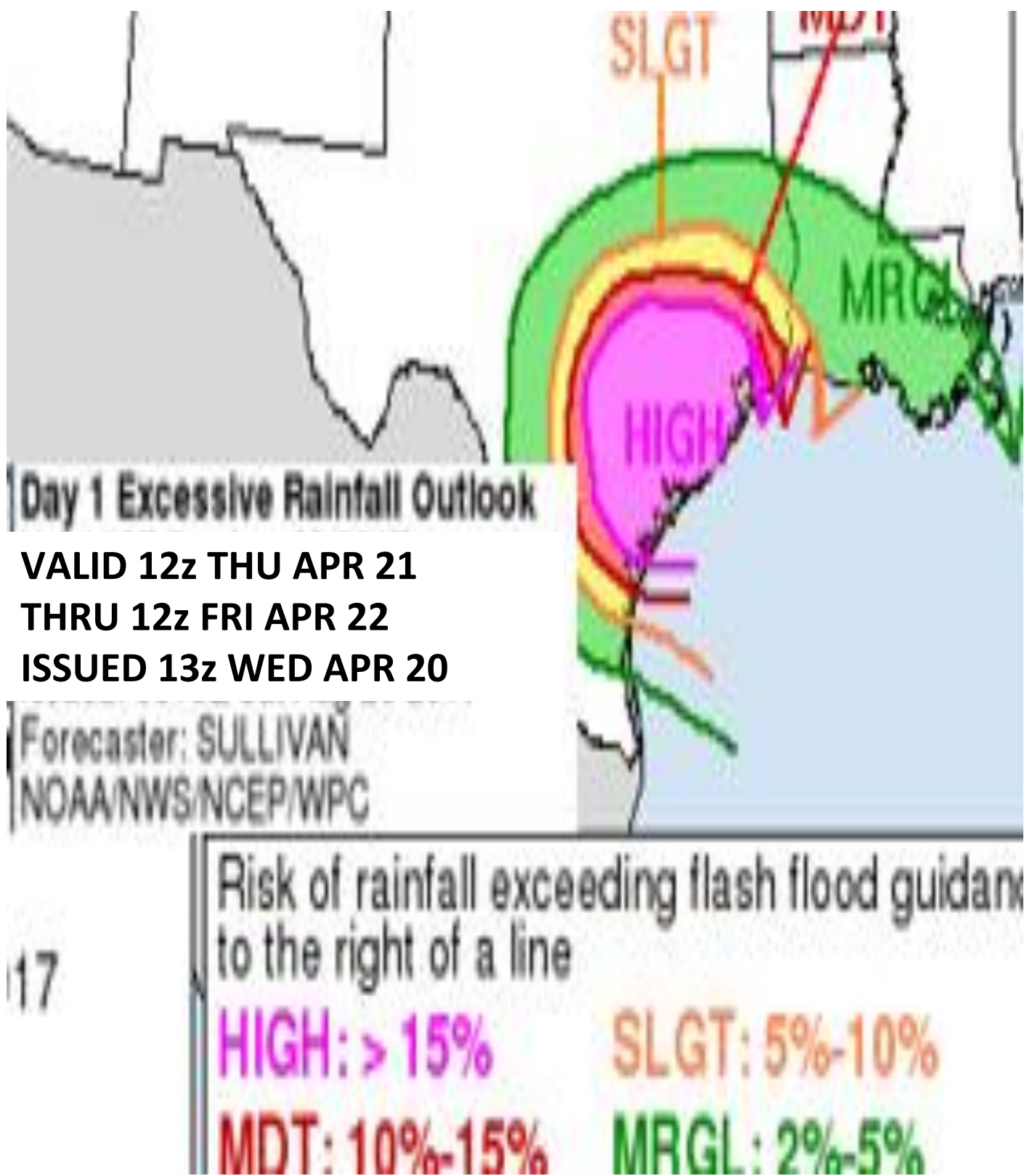


# Expected Storm Total Rainfall and Chance of Rainfall Flooding



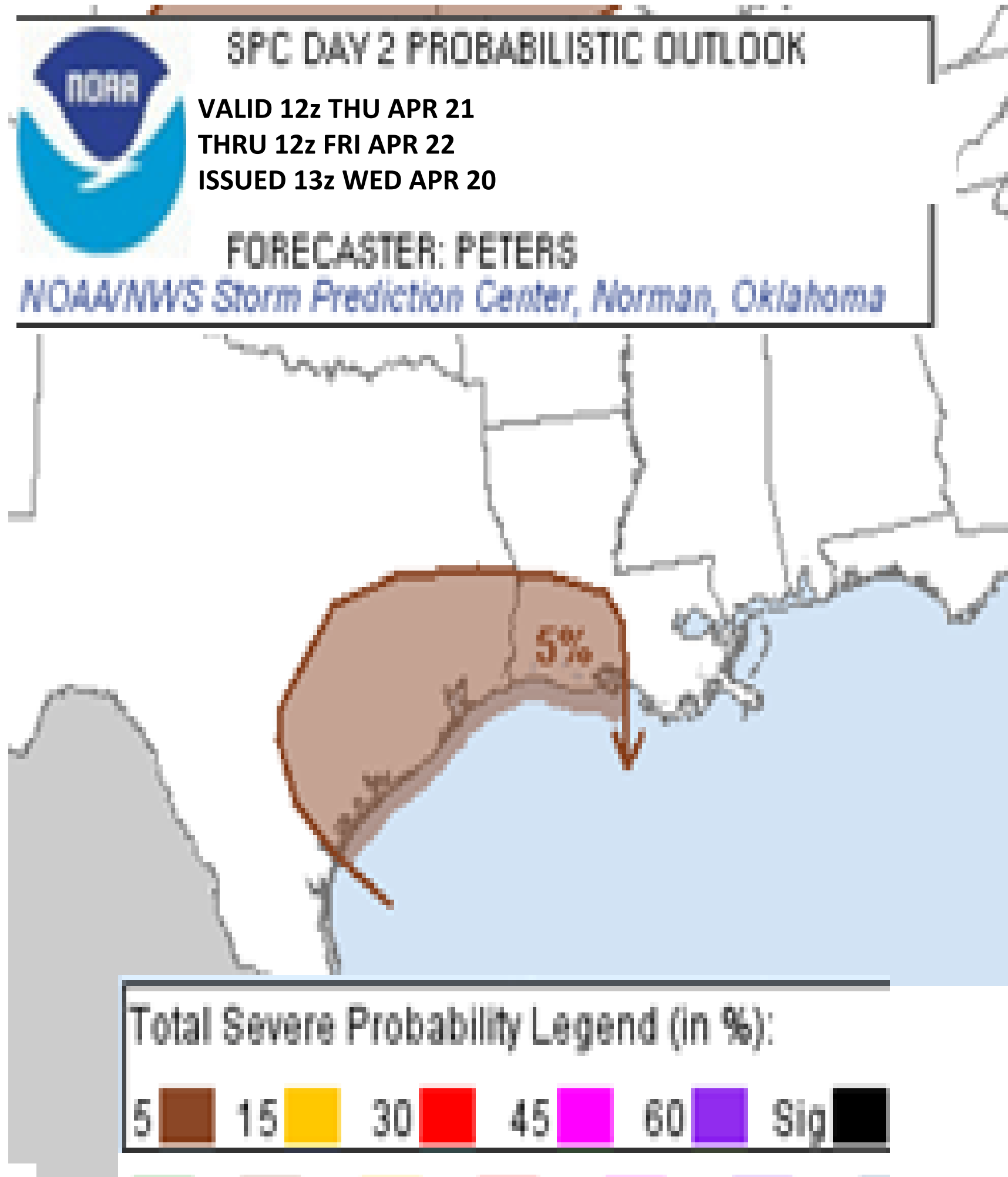
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Hurricane Adam - Valid **12Z Apr 20 - 12Z Apr 27**



Adam is expected to produce total rain accumulations of 15 to 25 inches and isolated maximum amounts of 35 inches over the middle and upper Texas coast through next Wednesday. During the same time period, Adam is expected to produce total rain accumulations of 5 to 15 inches in far south Texas and the Texas Hill Country over through southwest and central Louisiana. Rainfall of this magnitude will cause catastrophic and life-threatening flooding.









- **Marine Key Messages:**
- Seas will continue to be over 30 ft off the South Texas coast through tonight and will subside below 12 ft by Fri

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**Storm Surge – High**

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**Tornadoes – Medium**

**Waves - Extreme**





# BRIEFING

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

*The Next Briefing Will Be:*  
Thursday, 9:00 AM CDT

*You can always find get the latest graphics and information for this storm at [www.hurricanes.gov](http://www.hurricanes.gov)*



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[www.nhc.noaa.gov](http://www.nhc.noaa.gov)