

IMPACTS FOR D8 (through next 5 days)

Winds – Extreme

Storm Surge – Medium

Rainfall/Flash Flooding – Extreme

Tornadoes – Medium

Waves - Low

Hurricane Adam BRIEFING

9:00 AM CDT

Thursday, April 21, 2022

Prepared by:

TAFB FORECASTER

*Tropical Analysis and Forecast Branch
NWS National Hurricane Center*



NHC_TAFB

www.nhc.noaa.gov

Situation Overview

Tropical Storm Adam



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



**...LIFE-THREATENING FLOODING
CONTINUES OVER SOUTHEASTERN
TEXAS...**

Summary of 1000 AM CDT Information

Location...28.5N 96.6W

About 5 nm N of Rockport, Texas

About 40 nm S of Victoria, TX

Maximum Sustained Winds...100 kt

Present Movement...NE at 3 kt

Minimum Central Pressure...942 MB

12 ft Seas... 210NE 180SE 90SW 0NW.

Peak Seas: 20 ft

Forecast Information

Tropical Storm Adam



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- **Adam will weaken from a major hurricane to a hurricane later today as it moves along the Southeast Texas coast**

- **Adam will become a tropical storm later on Fri as it moves NE into the lower and middle Mississippi Valley**

- 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.

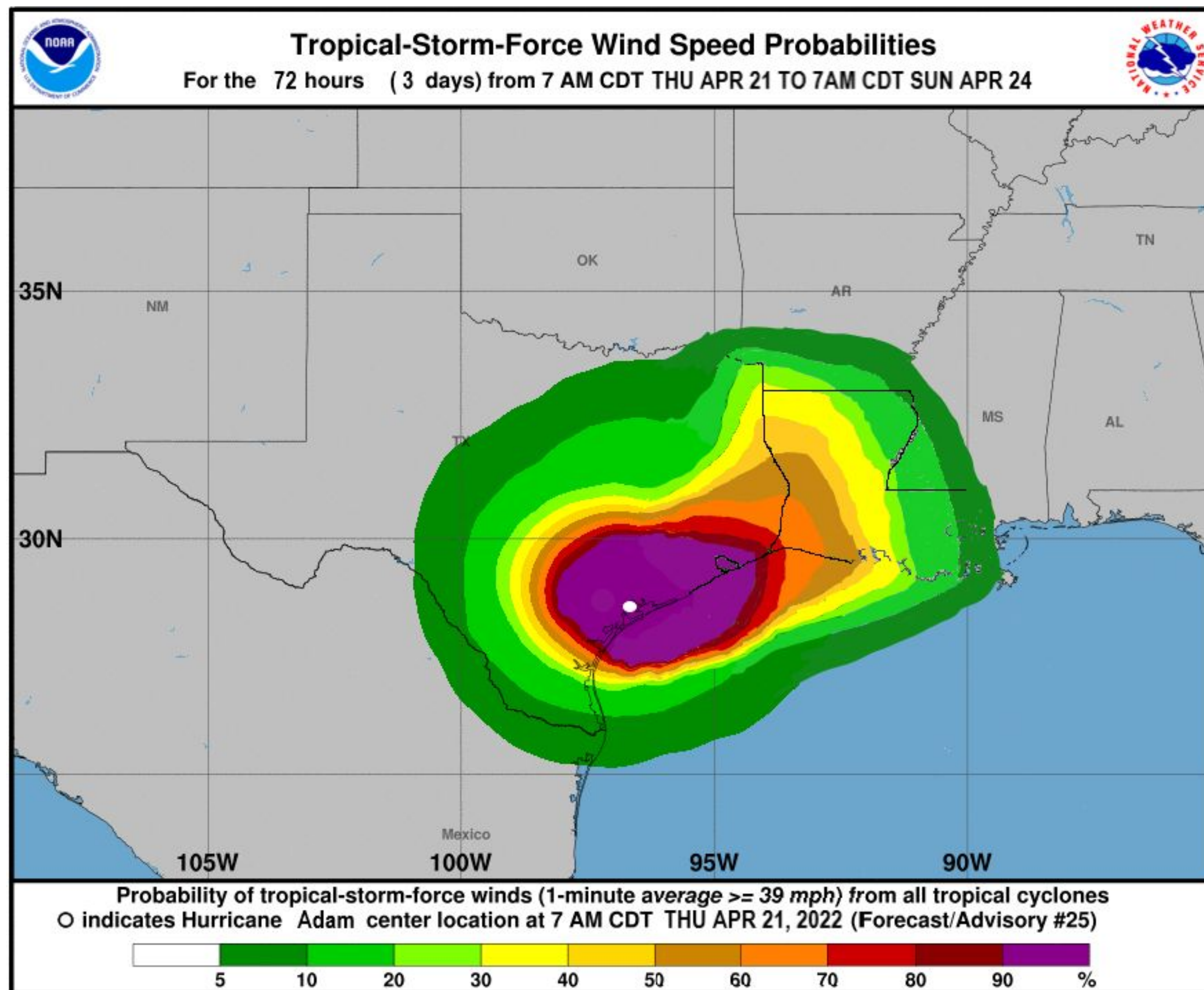
NOTE: Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

T.S. Wind Speed Probabilities

Tropical Storm Adam



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- Brownsville - 20%
- Corpus Christi - 100%
- Port O'Connor - 100%
- Galveston - 100%
- Port Arthur - 80%
- Lake Charles - 65%

The chance of TS winds has **INCREASED** for Port Arthur and Lake Charles

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

Tropical Storm Adam



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- Brownsville - 0%
- Corpus Christi - 5%
- Port O'Connor - 90%
- Galveston - 65%
- Port Arthur - 40%
- Lake Charles - 25%

The chance of 64+ kt winds has **INCREASED** for Port Arthur and Lake Charles

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

Potential Storm Surge

Tropical Storm 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...

* Galveston Bay

Hazards Affecting Land:

STORM SURGE: The water is expected to reach the following heights above ground if the peak surge occurs at the time of high tide...

-Port Aransas to Port O'Connor...9 to 13 ft

-Port O'Connor to Sargent...6 to 9 ft

-N Entrance Padre Island Natl Seashore to Port Aransas...5 to 8 ft

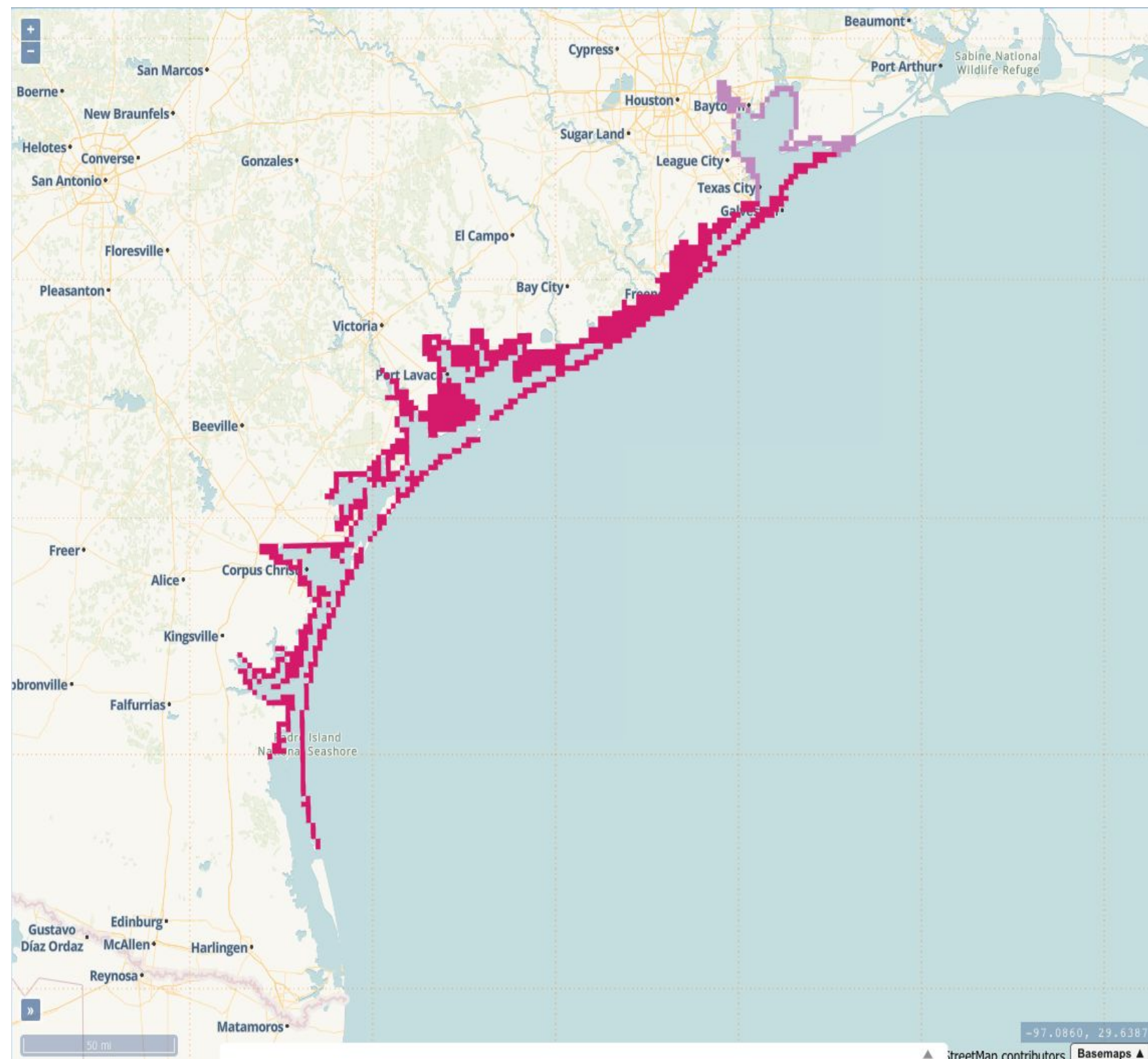
-Sargent to Jamaica Beach...4 to 6 ft

-Port Mansfield to N Entrance Padre Island Natl Seashore...3 to 5 ft

-Jamaica Beach to High Island including Galveston Bay...2 to 4 ft

-Mouth of the Rio Grande to Port Mansfield...1 to 3 ft

-High Island to Morgan City...1 to 3 ft

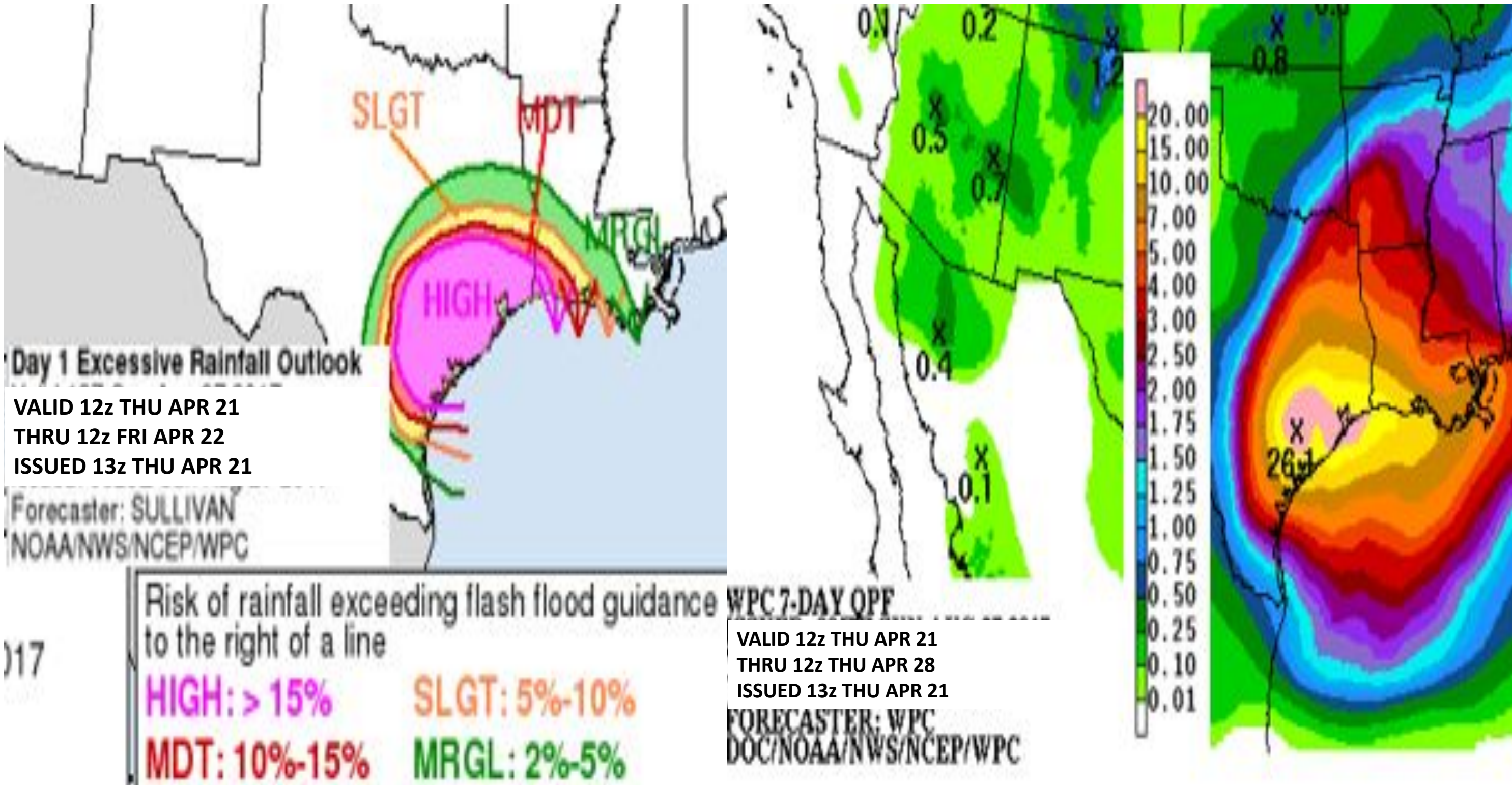


Expected Storm Total Rainfall and Chance of Rainfall Flooding

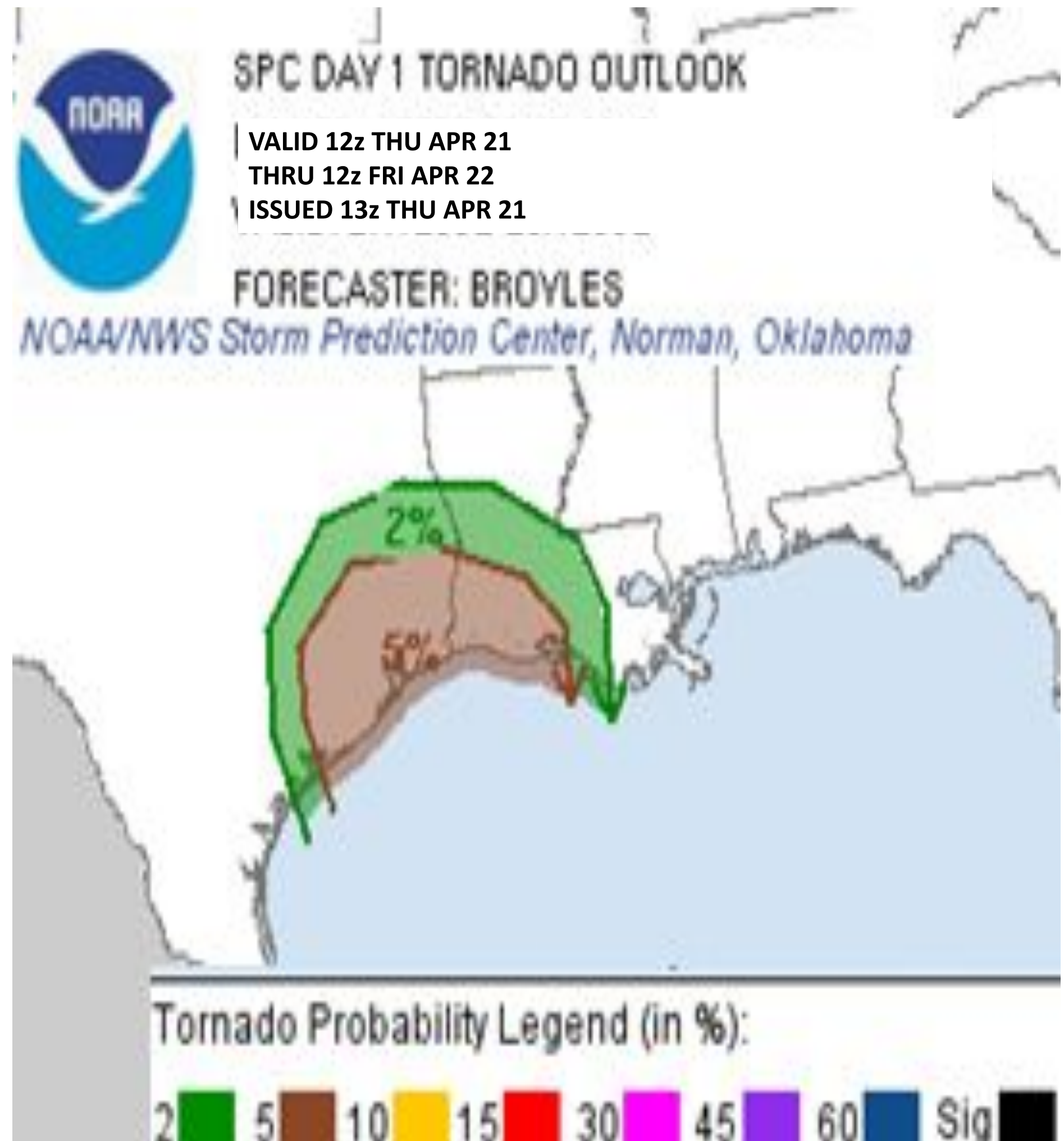
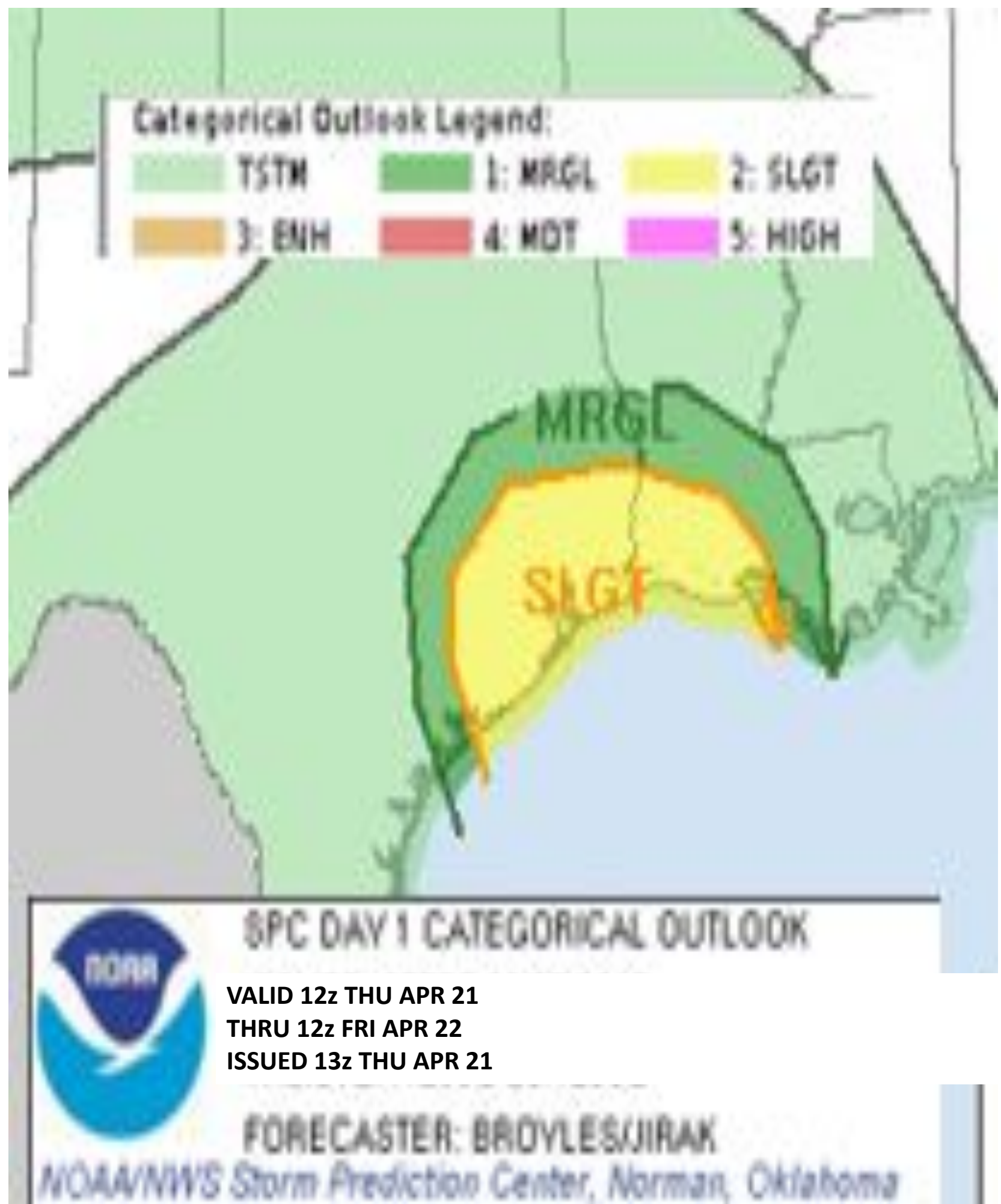


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Tropical Storm Adam - Valid **12Z Apr 21 - 12Z Apr 28**



Adam is expected to produce additional rainfall accumulations of 15 to 25 inches through Friday over the upper Texas coast and into southwestern Louisiana. Isolated storm totals may reach 50 inches over the upper Texas coast, including the Houston/Galveston metropolitan area. These rains are currently producing catastrophic and life-threatening flooding, and flash flood emergencies are in effect for portions of southeastern Texas. **DO NOT ATTEMPT TO TRAVEL IN THE AFFECTED AREA IF YOU ARE IN A SAFE PLACE. DO NOT DRIVE INTO FLOODED ROADWAYS.** Please see warnings and products issued by your local National Weather Service office for additional information on this life-threatening situation.



Key Messages

Tropical Storm Adam



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- **Marine Key Messages:**
- Seas will continue to subside through the weekend

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BRIEFING

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

This is the last briefing

You can always find get the latest graphics and information for this storm at www.hurricanes.gov



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