



TDEM
THE TEXAS A&M UNIVERSITY SYSTEM



State of Texas Weather Threat Brief

March 3, 2025 (Update)

Southern Region ROC: Melissa Huffman/Mark Wiley



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Southern Region



Situation Overview

- Critical to extreme (levels 2-3 of 3) fire weather conditions today through Tuesday for portions western/central/south-central TX and the Panhandle. Significant fires more likely with a moderate to high chance of wildfire outbreak. Wildfire threat will return Thursday and Friday across W TX.
- Slight to enhanced risk (levels 2-3 of 5) of severe weather late tonight through Tuesday across northern TX into east TX. Several tornadoes, scattered to numerous severe wind gusts and large hail possible.
- Marginal to Slight risk (levels 1-2 of 4) for heavy rainfall leading to flash flooding today and Tuesday in Regions 2, 3.
- Minor river flooding will continue in E Texas. Rain not expected to create significant river flooding, but may lead to new minor river rises.





Overview Summary

Fire Weather:

- **Today:** Extreme (level 3 of 3) - Region 7
Critical (level 2 of 3) - Regions 1, 2, 7
- **Tuesday:** Critical (level 2-3 of 3) - Regions 1, 2, 5, 6, 7, 8
- **Thursday:** Elevated to critical (levels 1-2 of 3) - Regions 1, 7
- **Friday:** Elevated (level 1 of 3) - Regions 1, 7

Severe Weather:

- **Today:** Slight to enhanced risk (levels 2-3 of 5) for Regions 1, 2
- **Tuesday:** Slight to enhanced risk (levels 2-3 of 5) for Regions 2, 3, 4, 8

Flash Flooding:

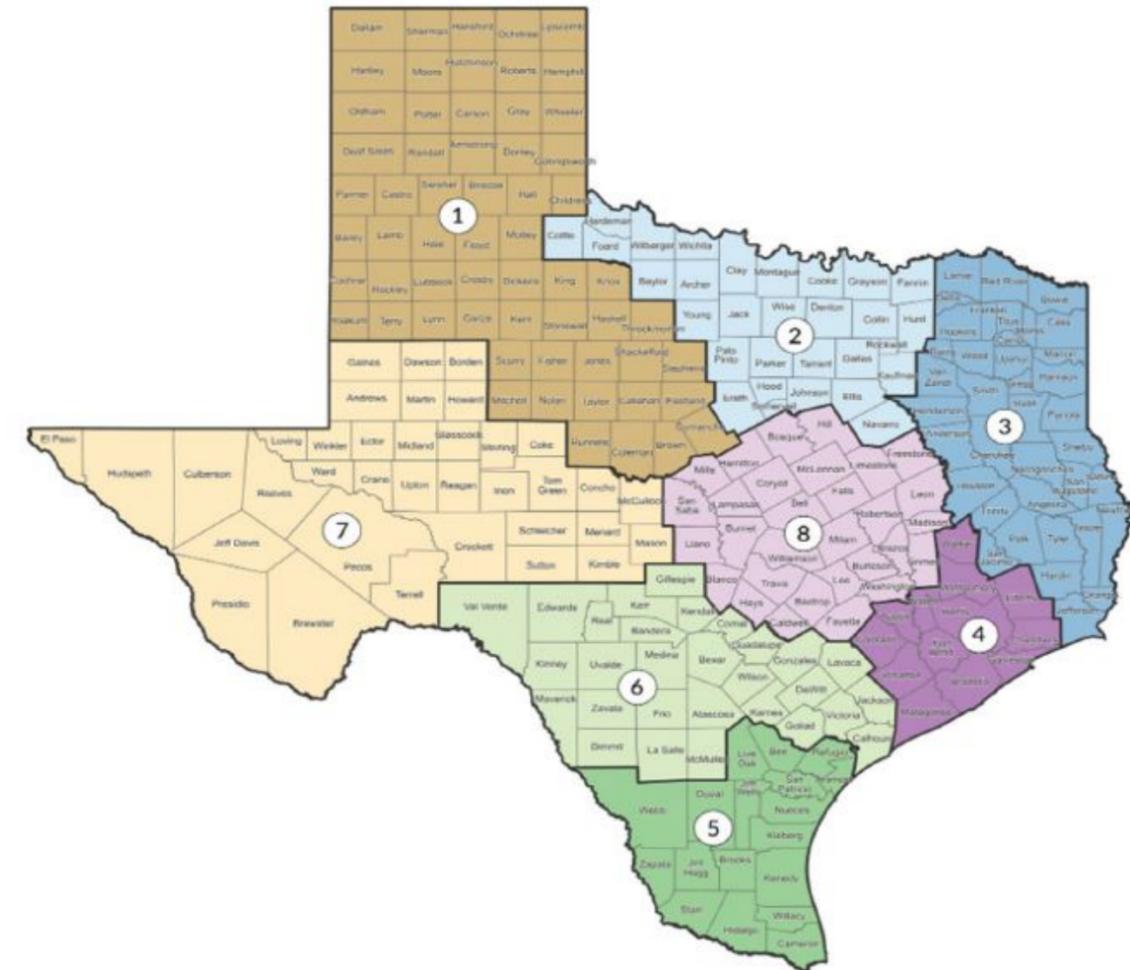
- **Monday:** Marginal risk (level 1 of 4) for Region 2
- **Tuesday:** Slight risk (level 2 of 4) for Region 3

River Flooding:

- **Next Five Days:** Minor (Level 2 of 4) - Region 3

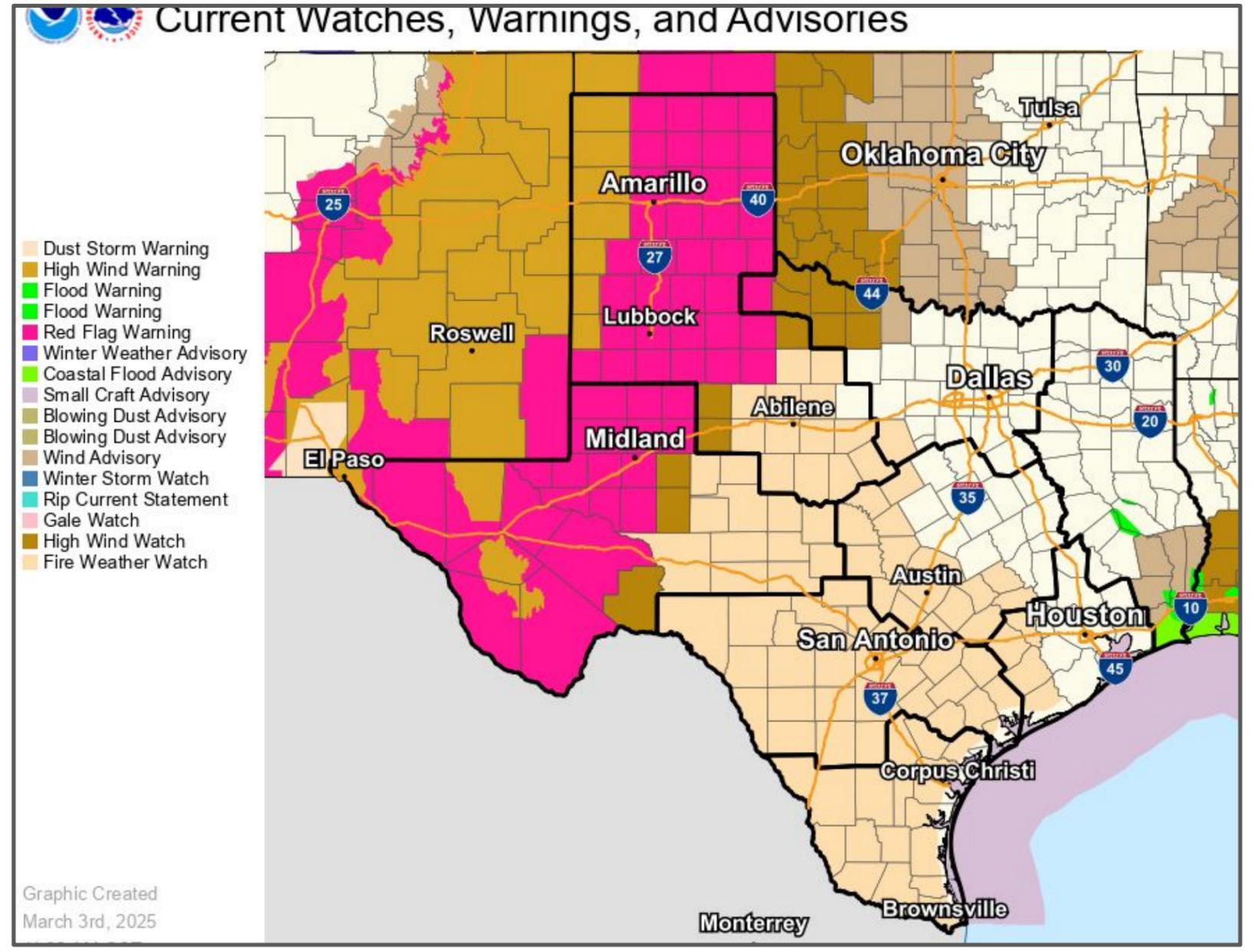
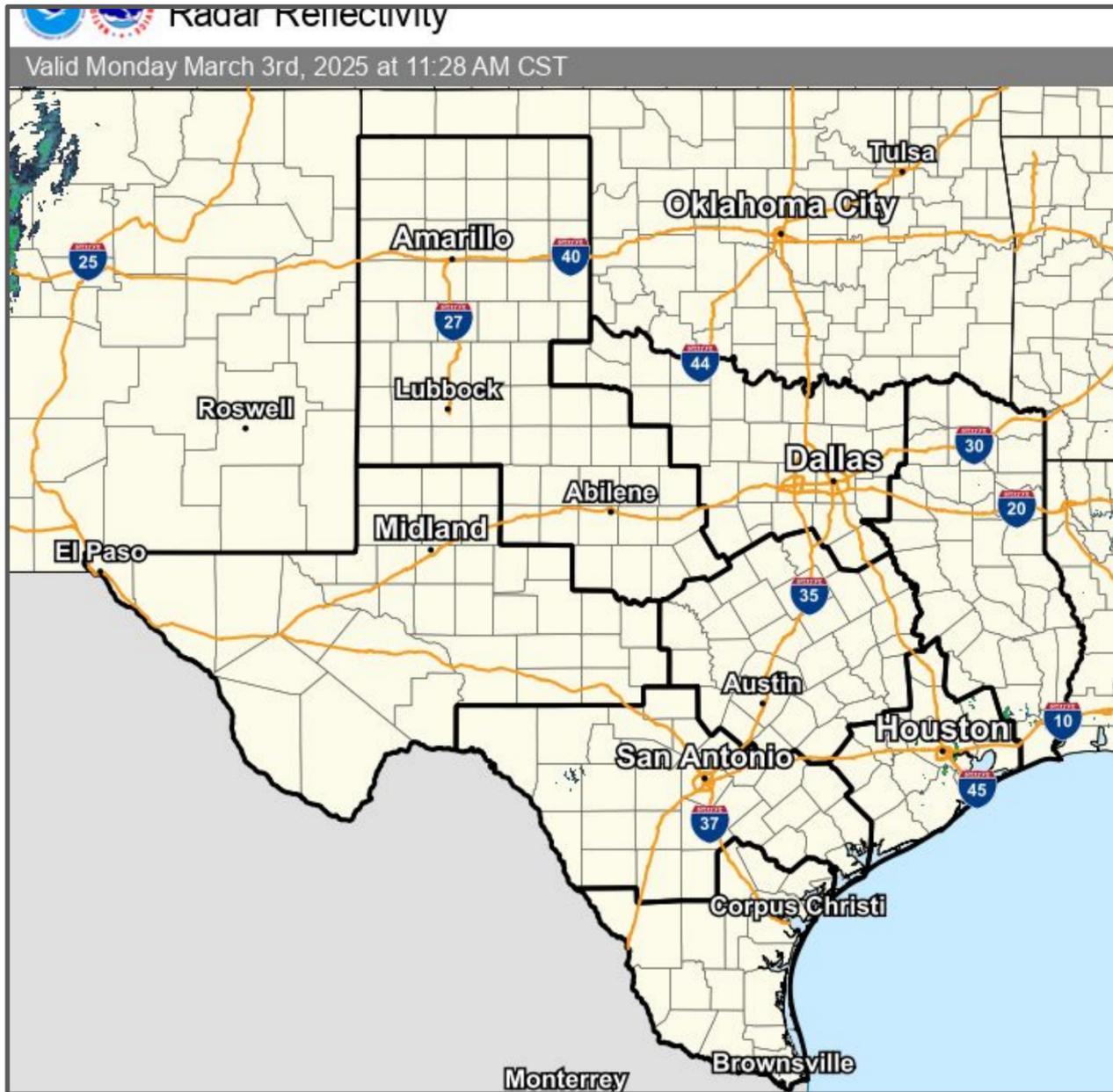


TDEM Regions





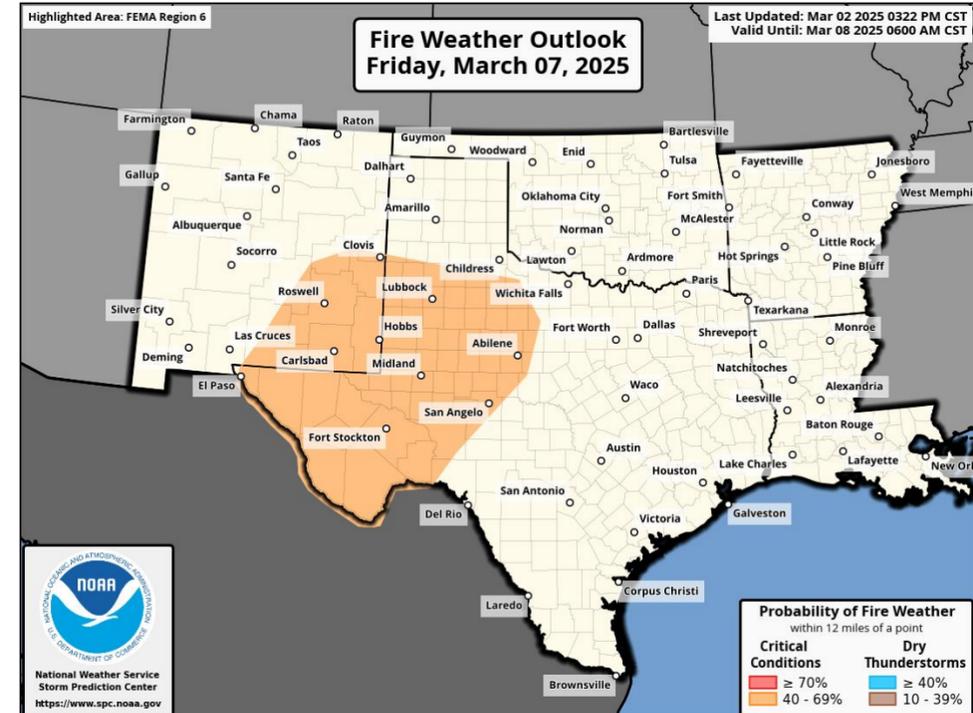
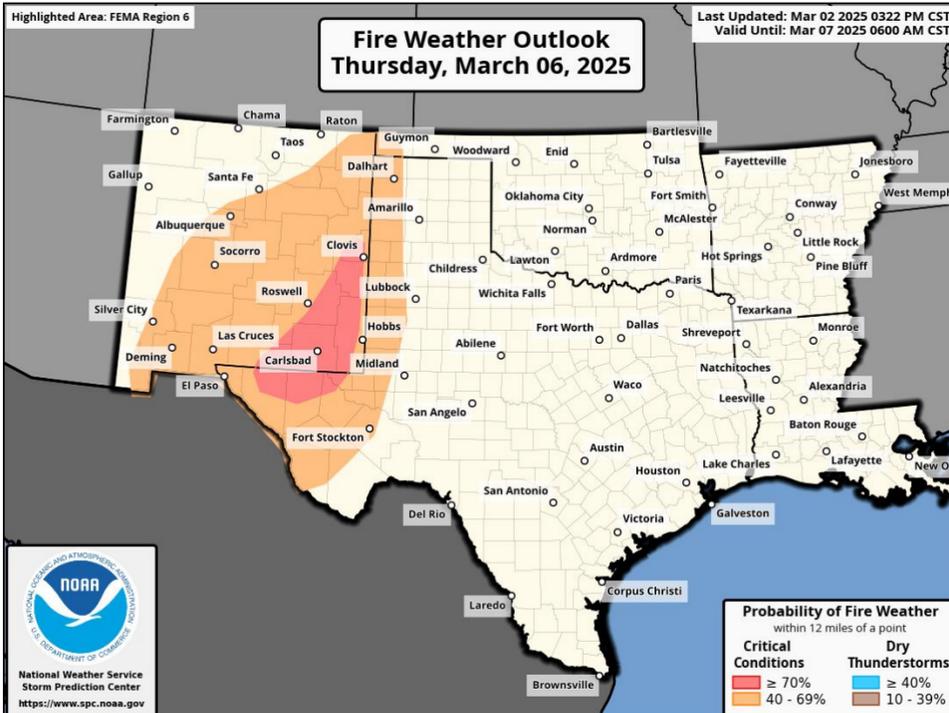
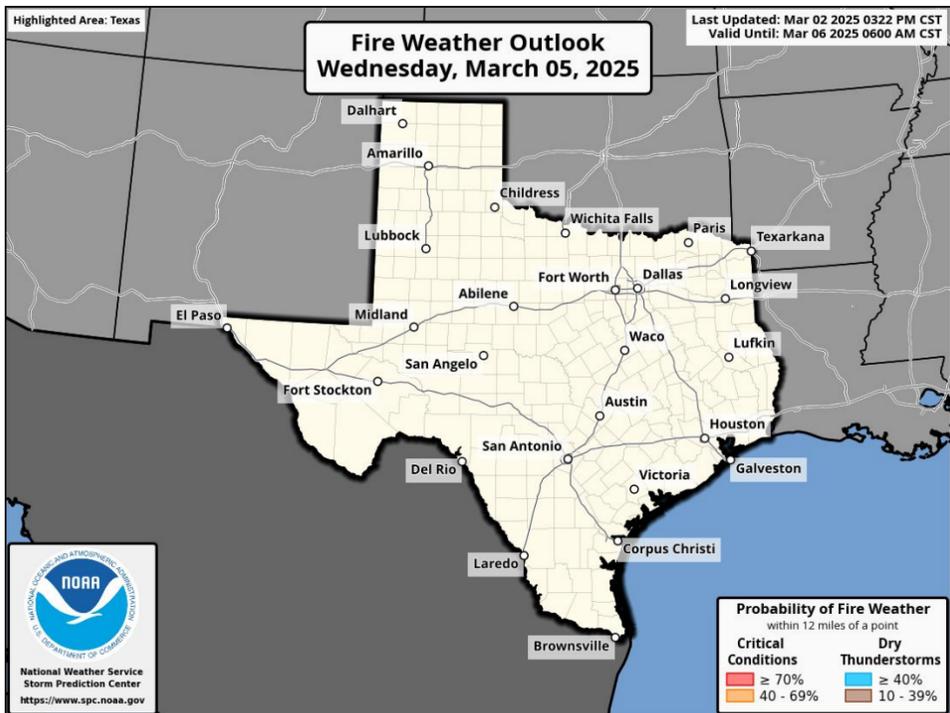
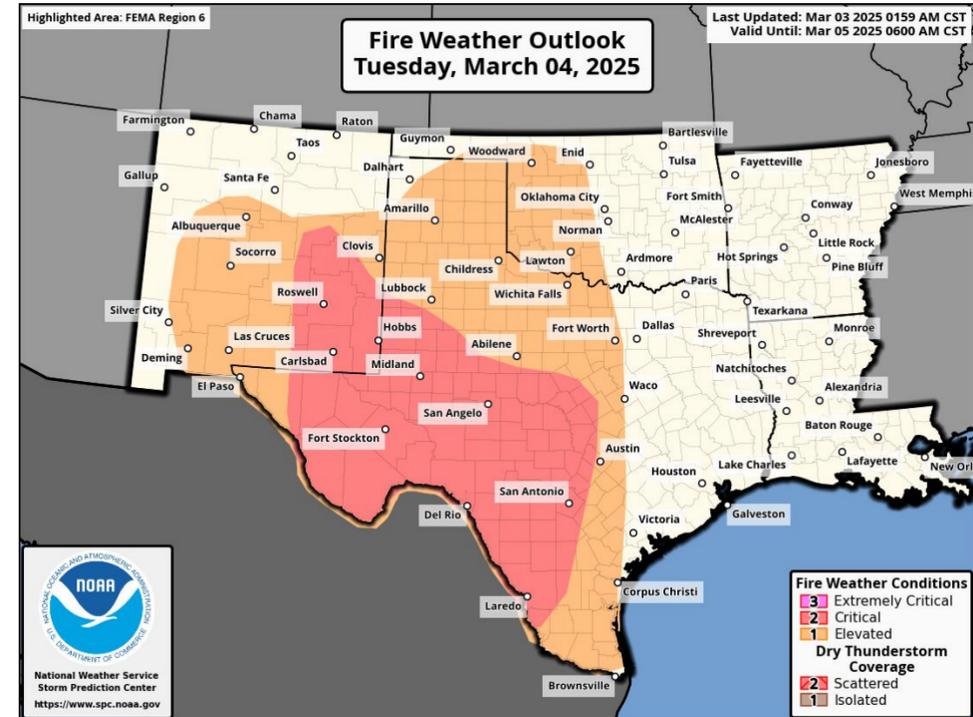
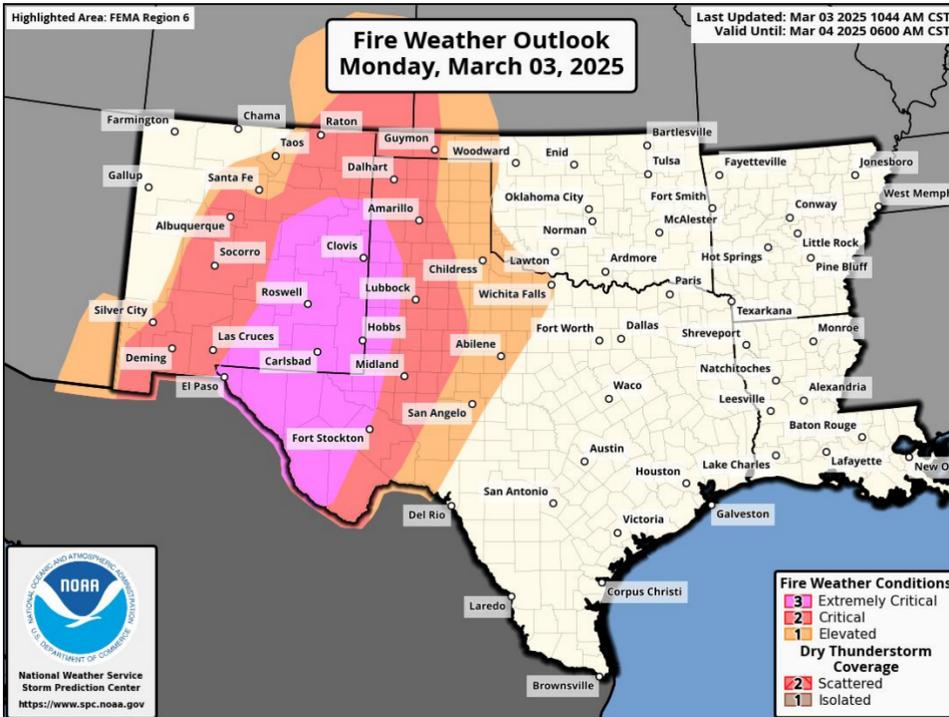
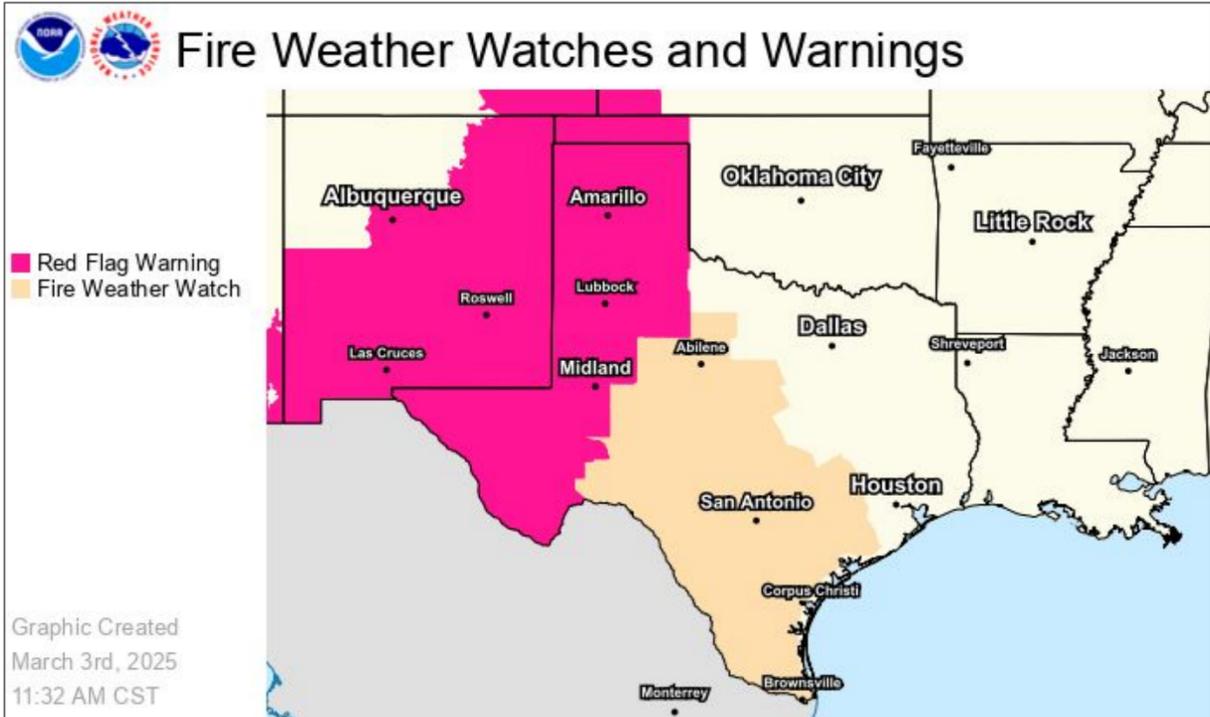
Current Radar Watches, Warnings and Advisories



- High wind watches, warnings, and advisories today into Tuesday for gusts of 50-70 mph
- Red flag warnings and fire weather watches today into Tuesday for critical to extreme conditions



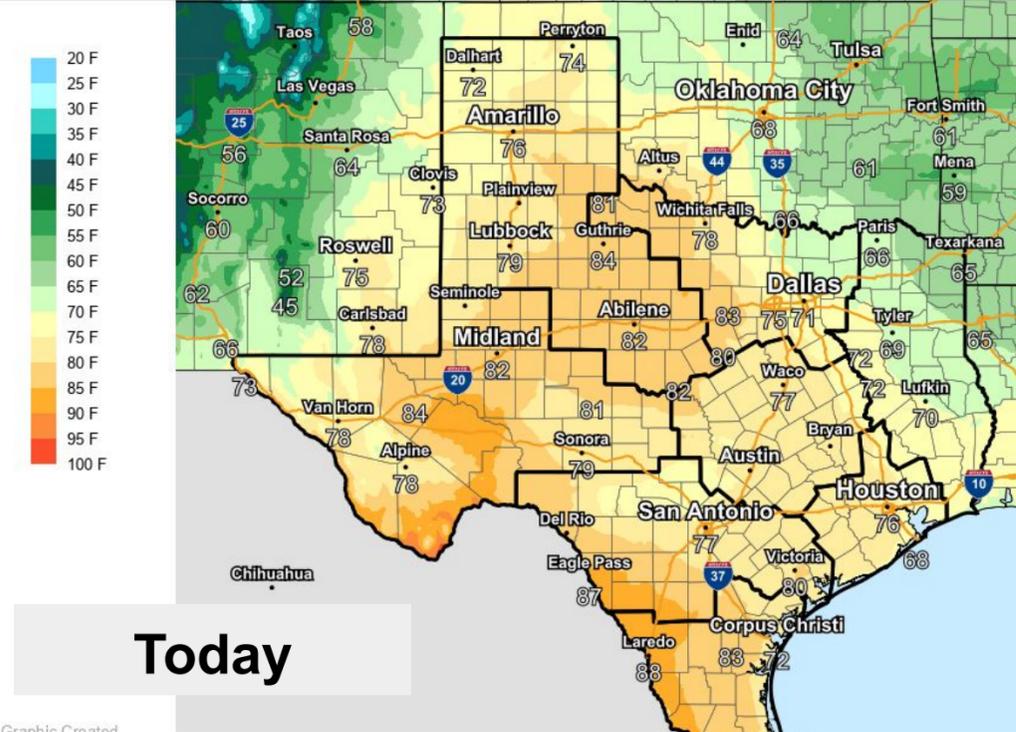
Fire Weather Outlooks





Max Temperature Outlook

Valid Ending Monday March 3rd, 2025 at 6 PM CST

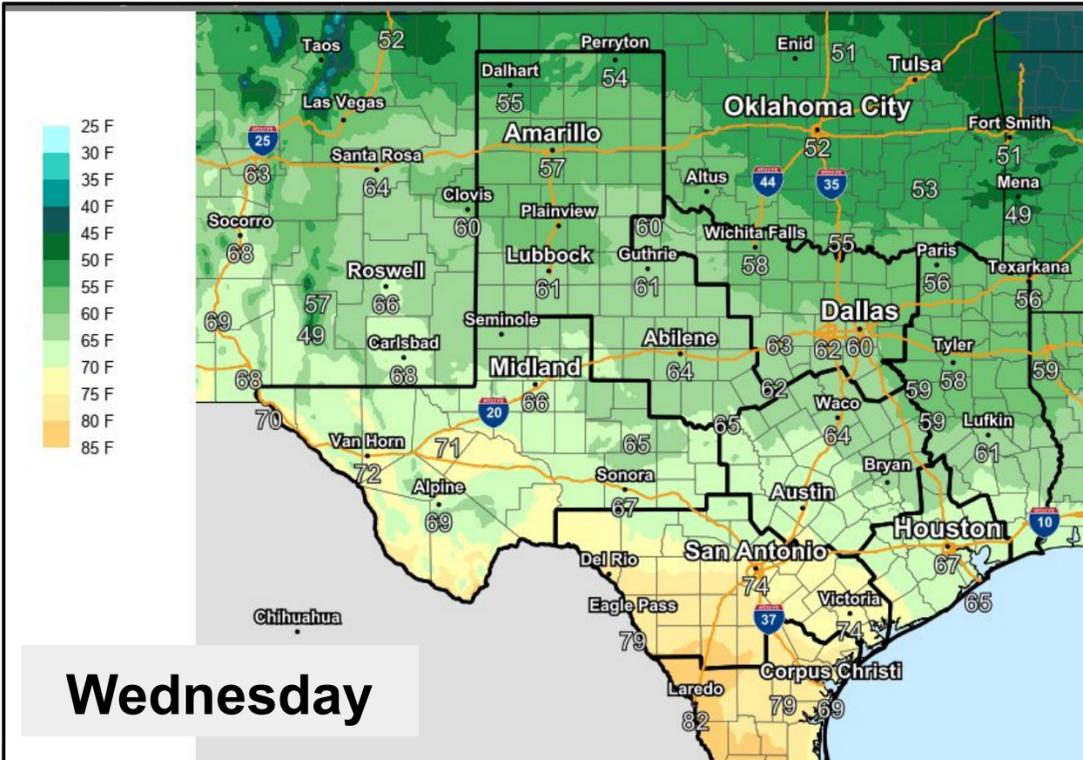


Today

Valid Ending Tuesday March 4th, 2025 at 6 PM CST

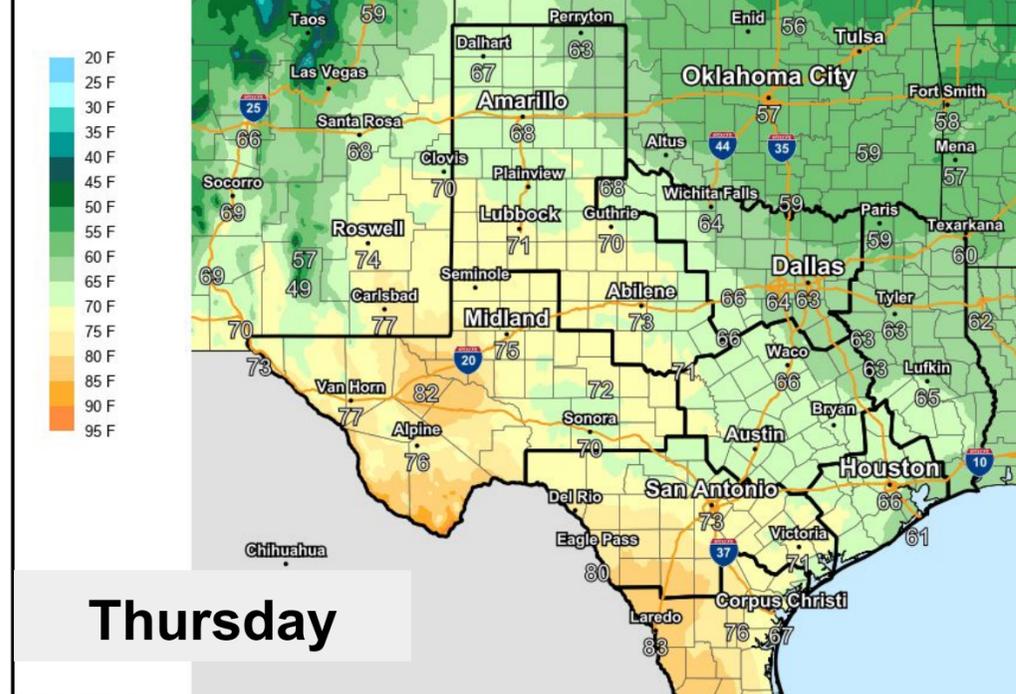


Tomorrow



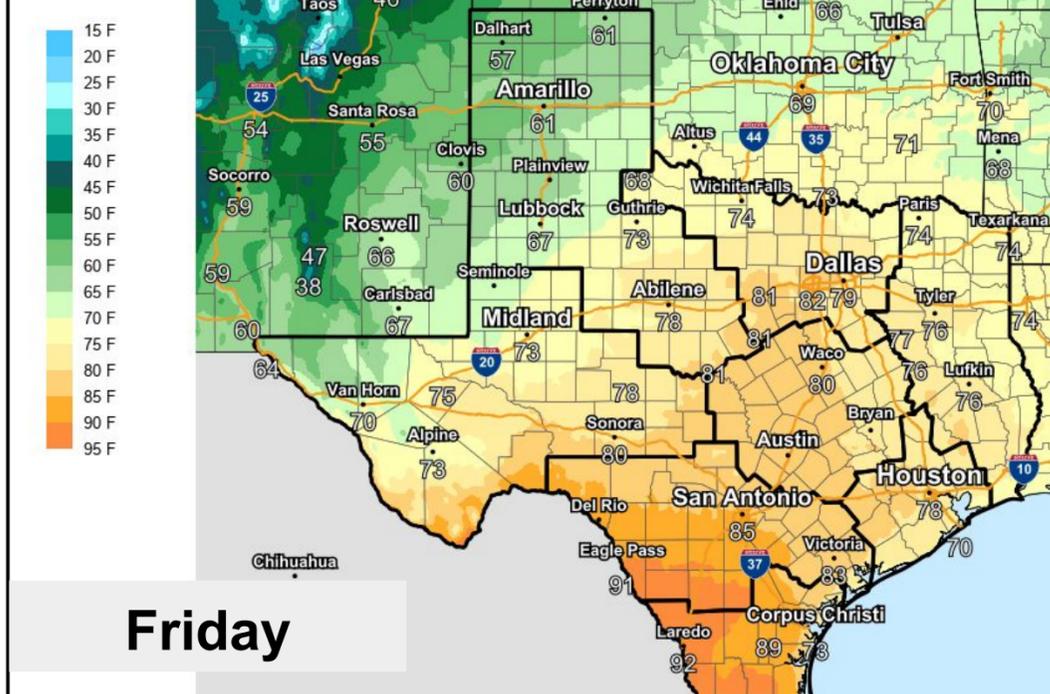
Wednesday

Valid Ending Thursday March 6th, 2025 at 6 PM CST

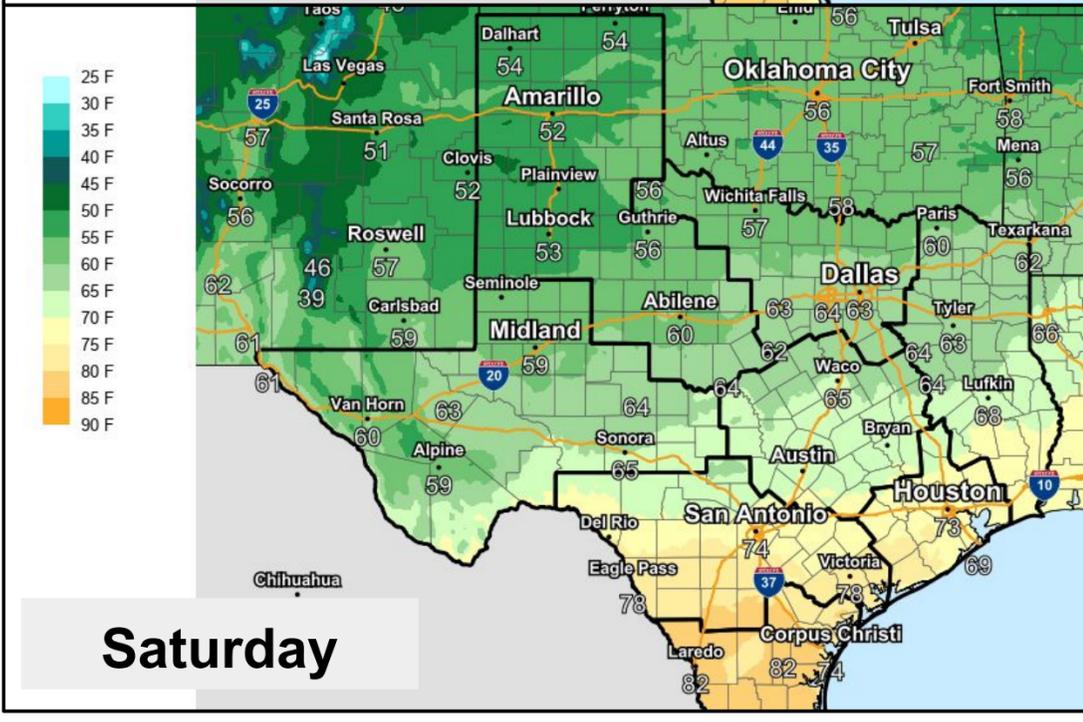


Thursday

Valid Ending Friday March 7th, 2025 at 6 PM CST



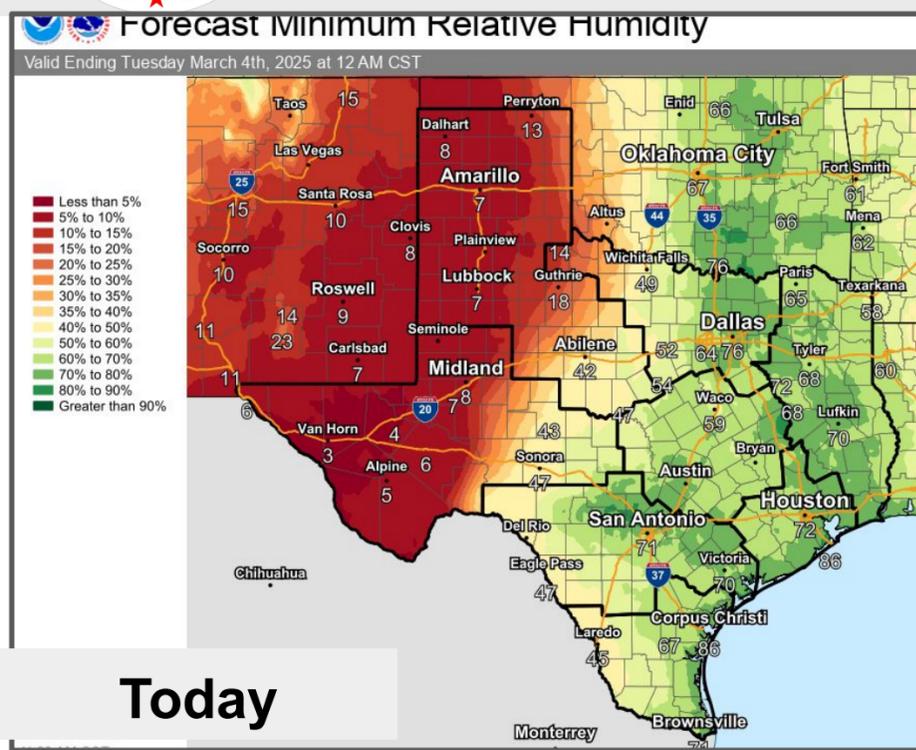
Friday



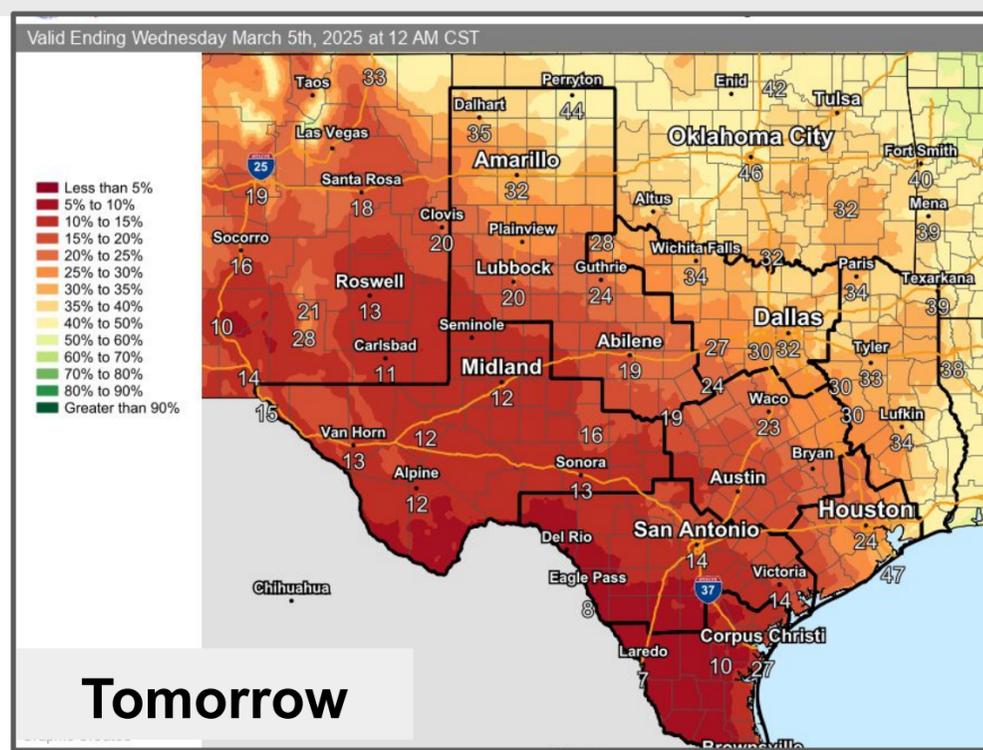
Saturday



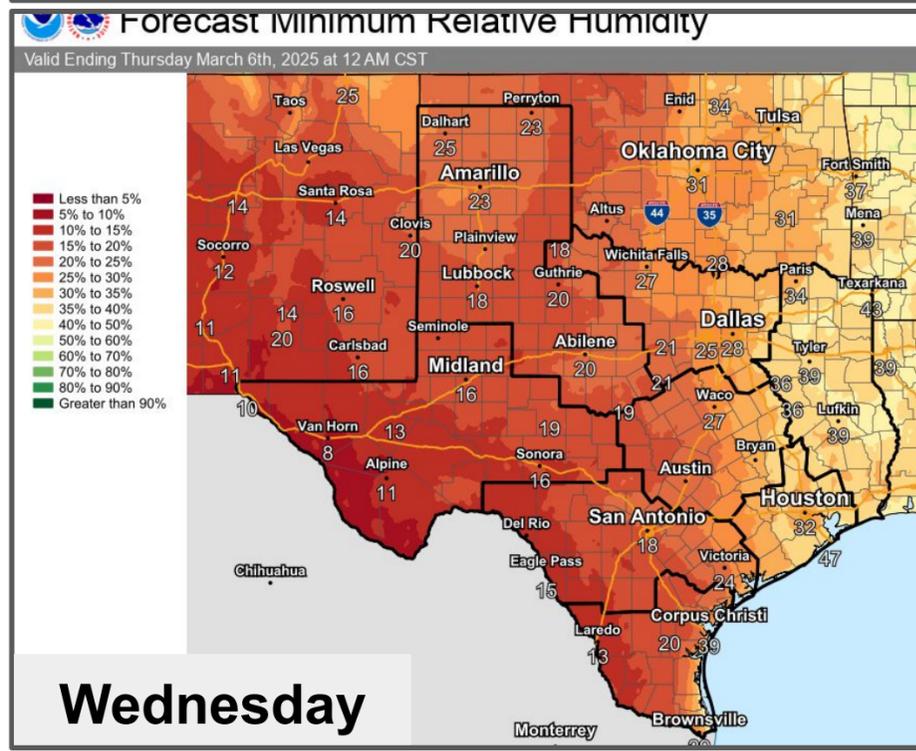
Minimum Relative Humidity Outlook



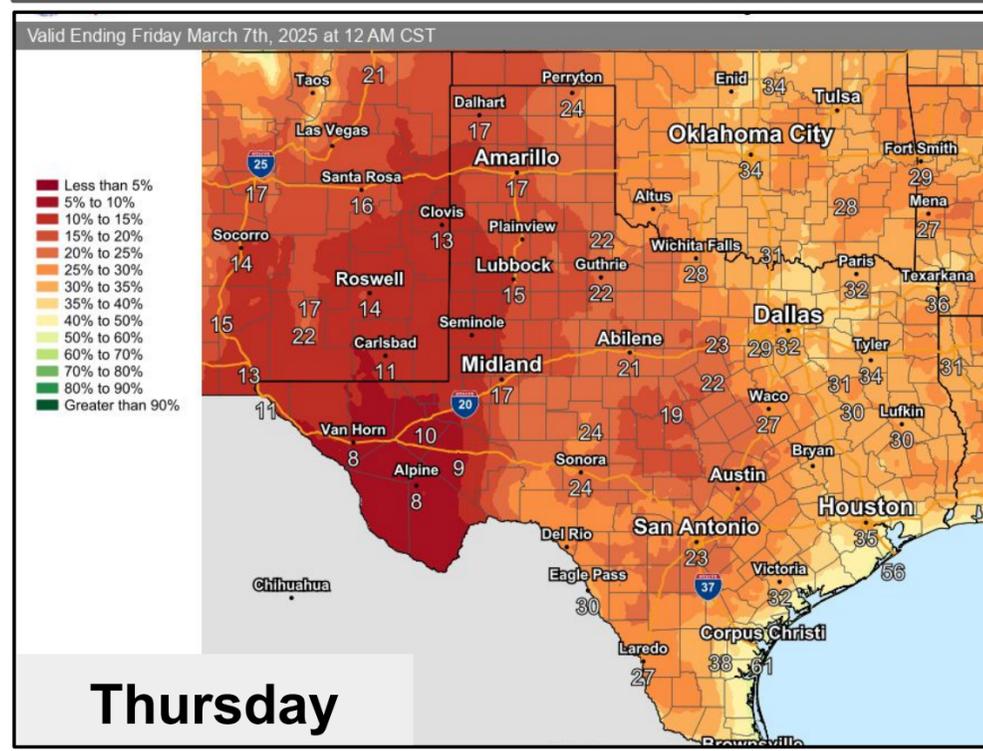
Today



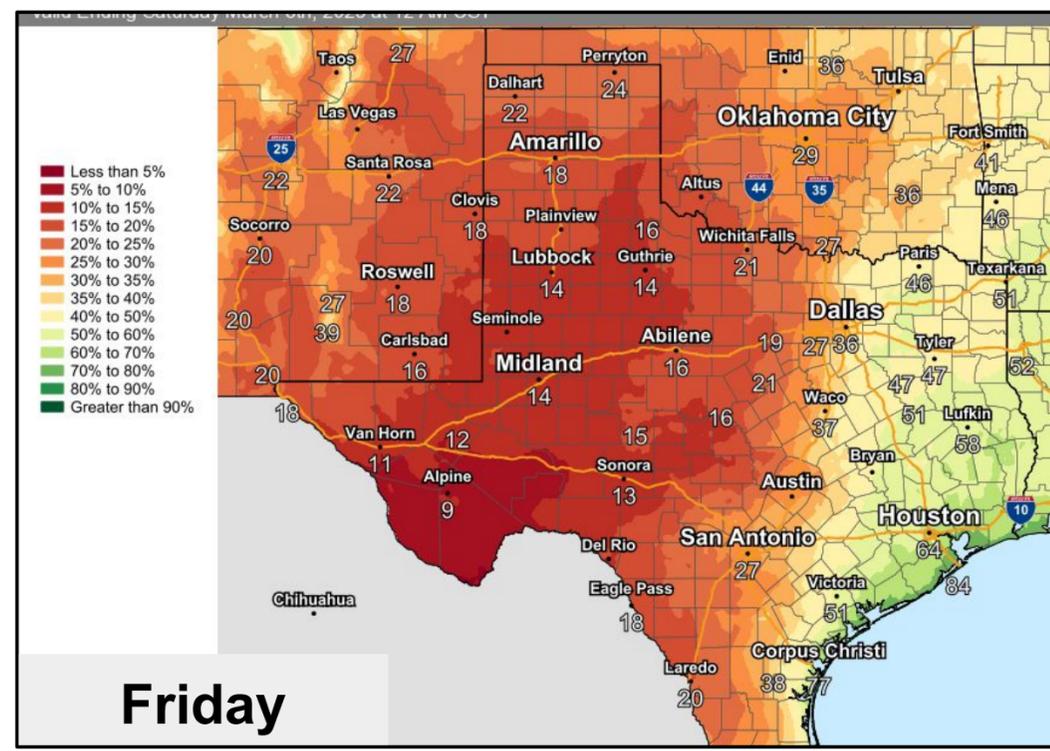
Tomorrow



Wednesday



Thursday

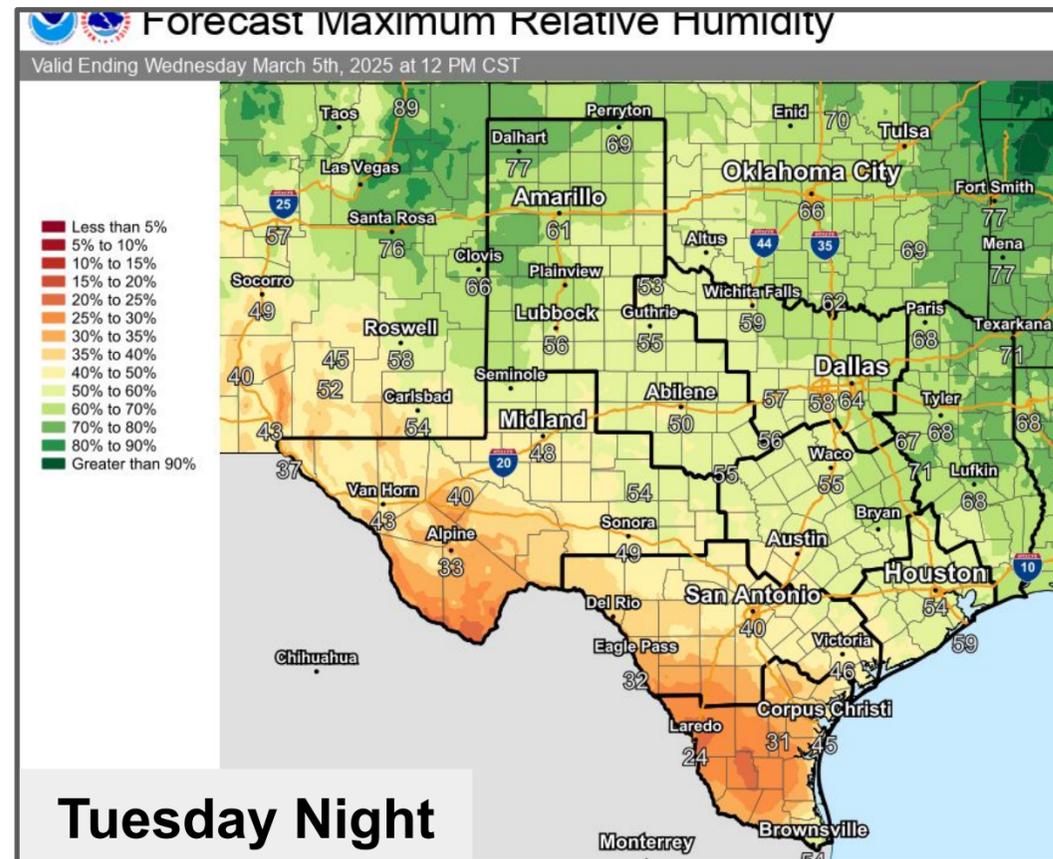
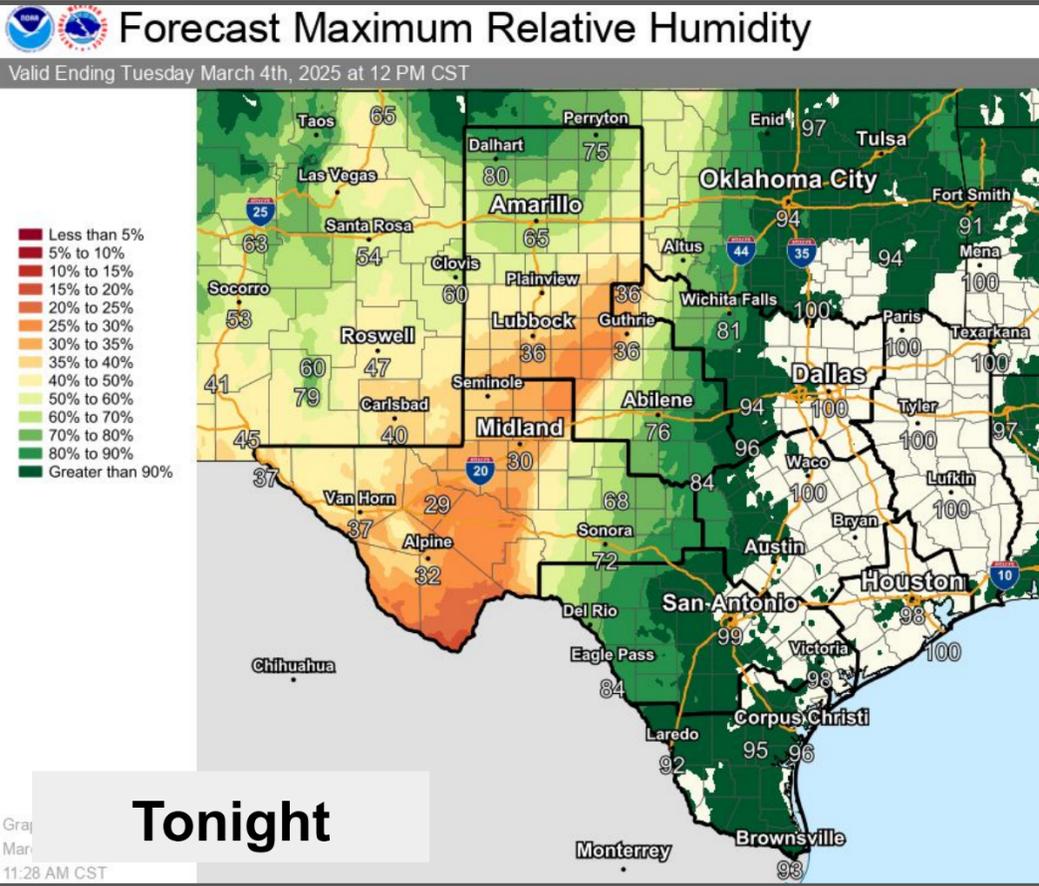


Friday

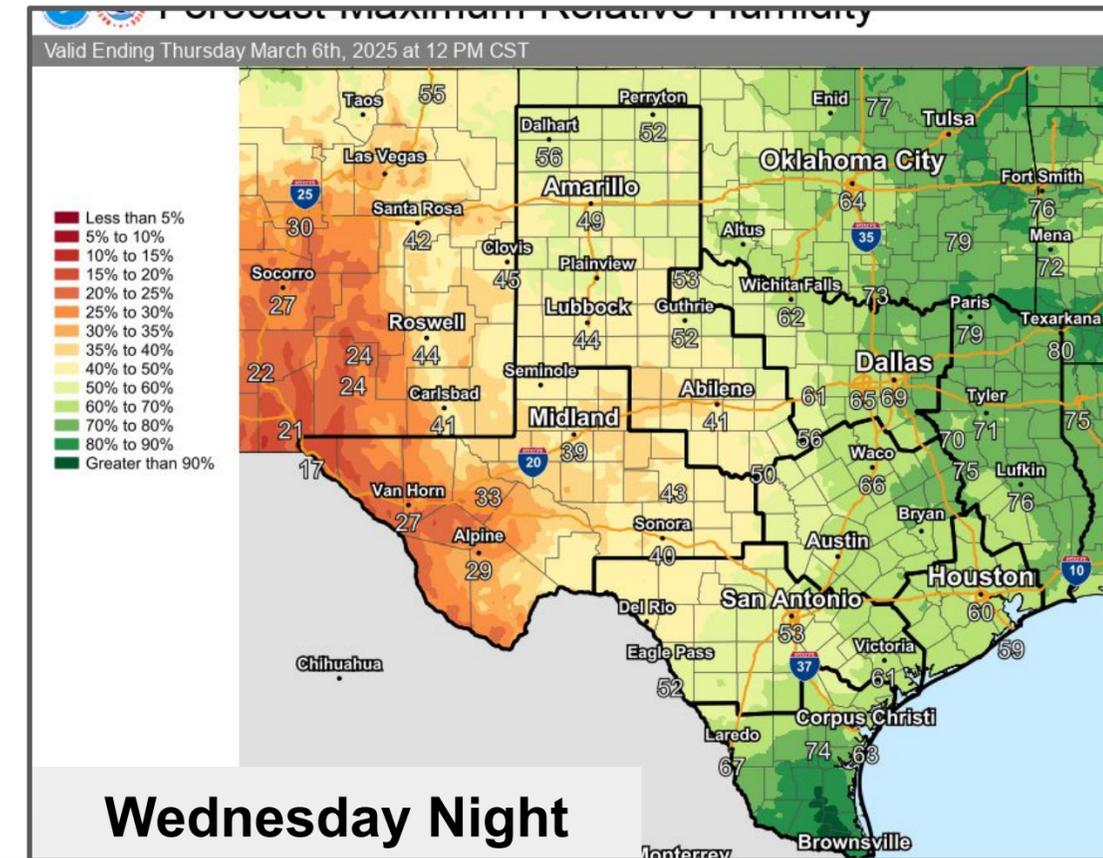
RH drops to single digits to teens.



Overnight RH Recovery - Max Relative Humidity

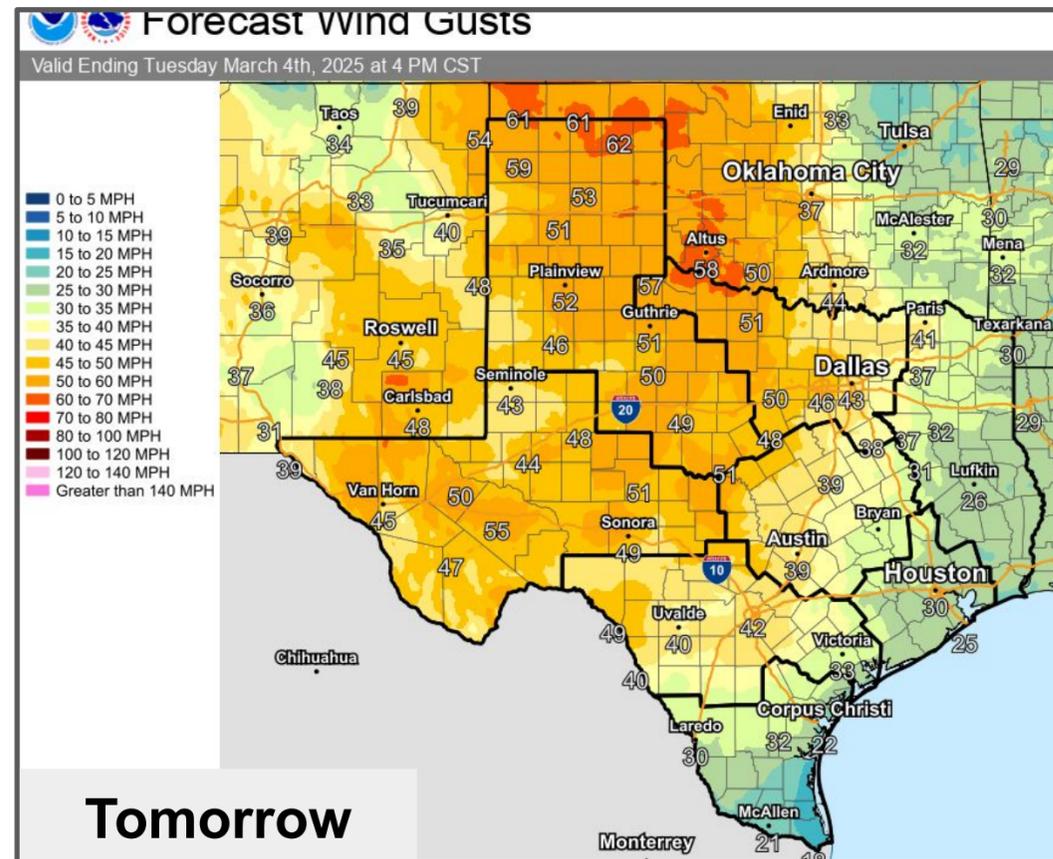
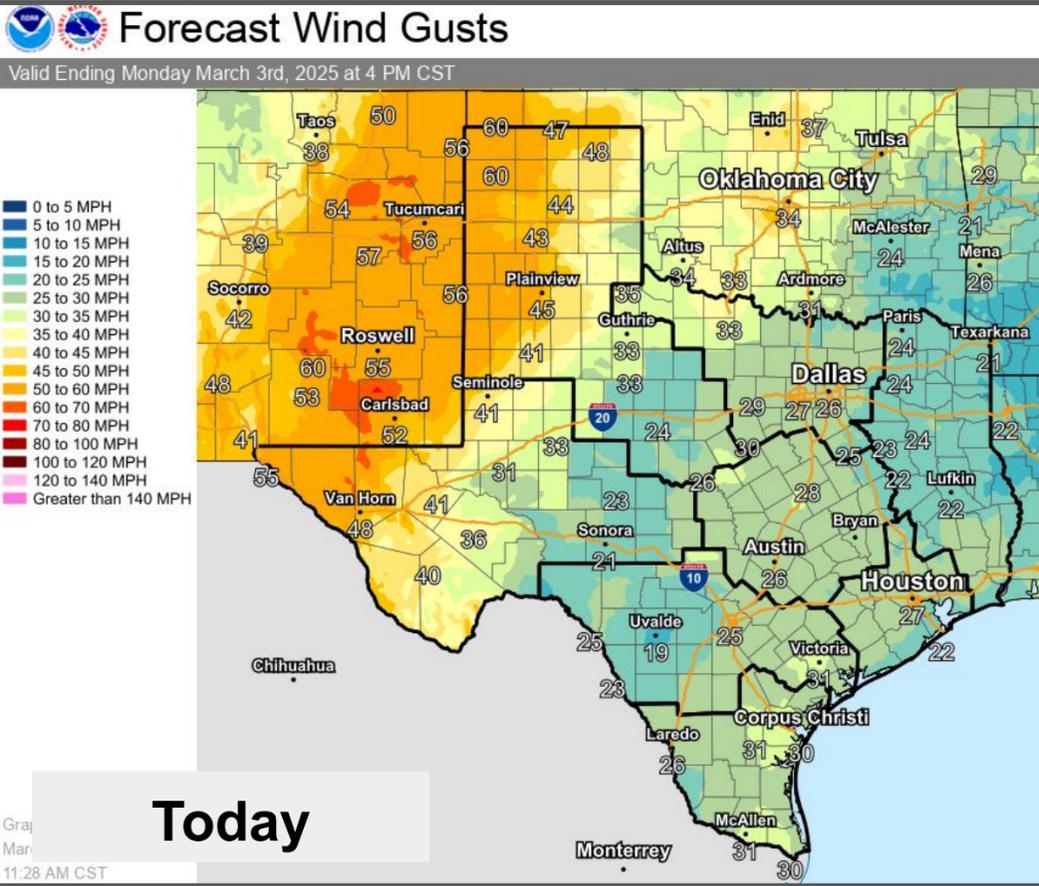


- Poor recovery across the Caprock into west Texas for Tuesday.

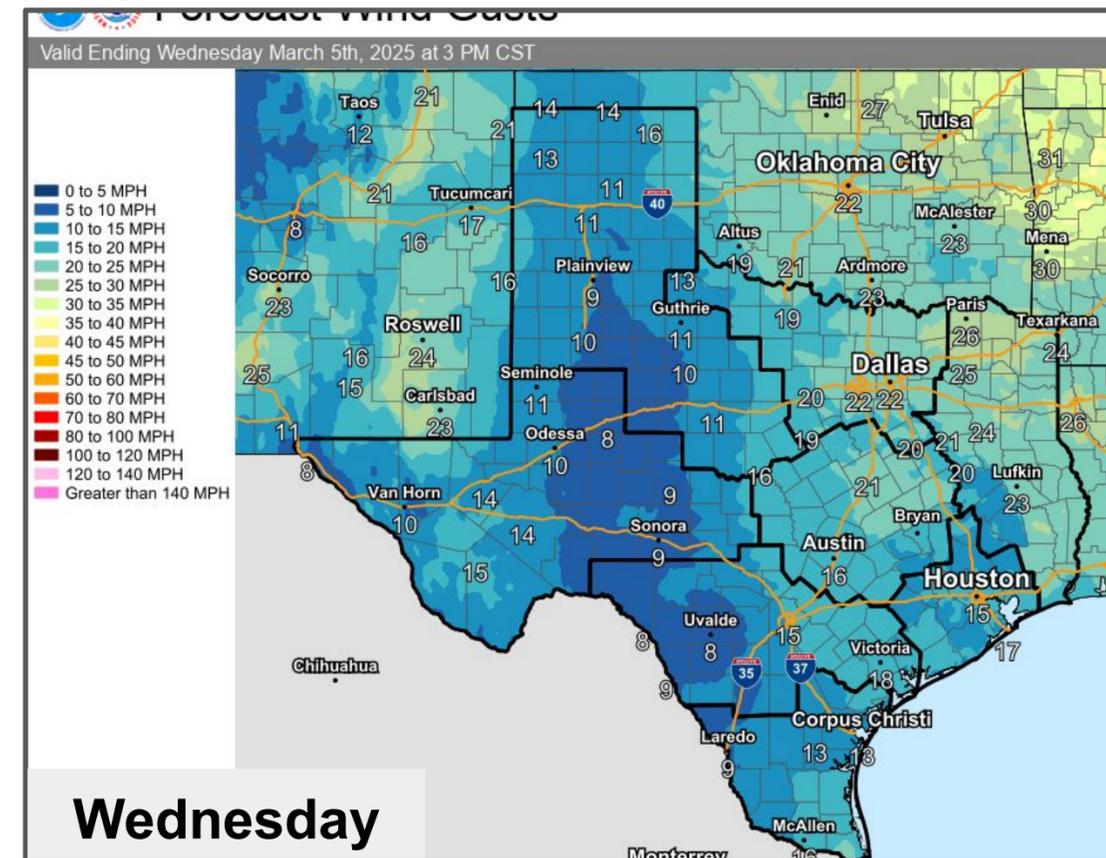




Wind Gusts Outlook

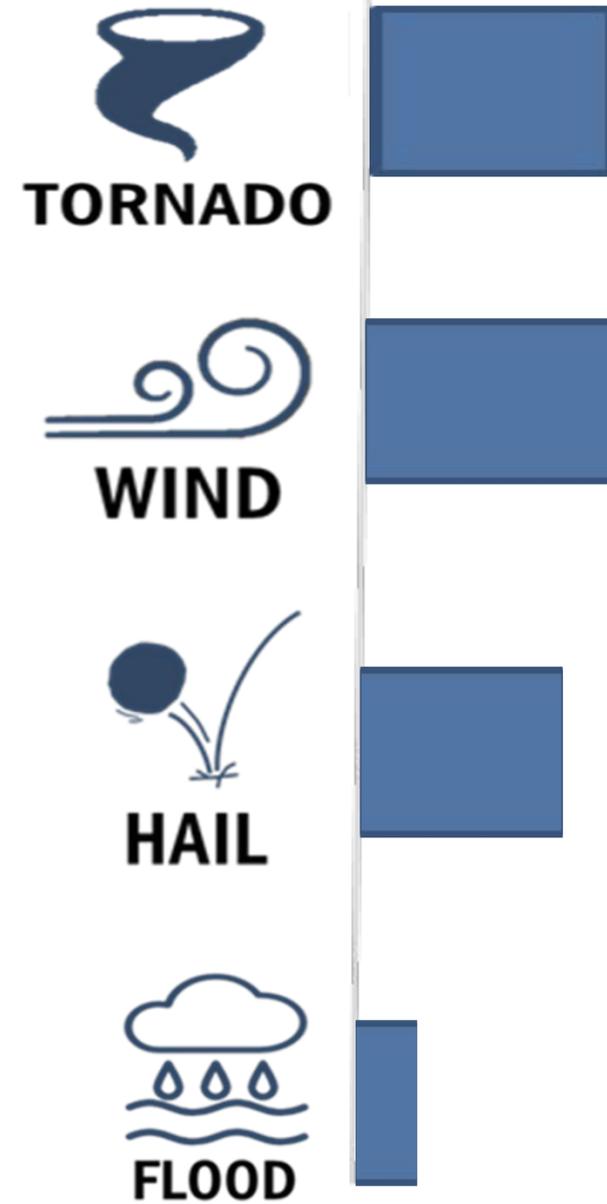
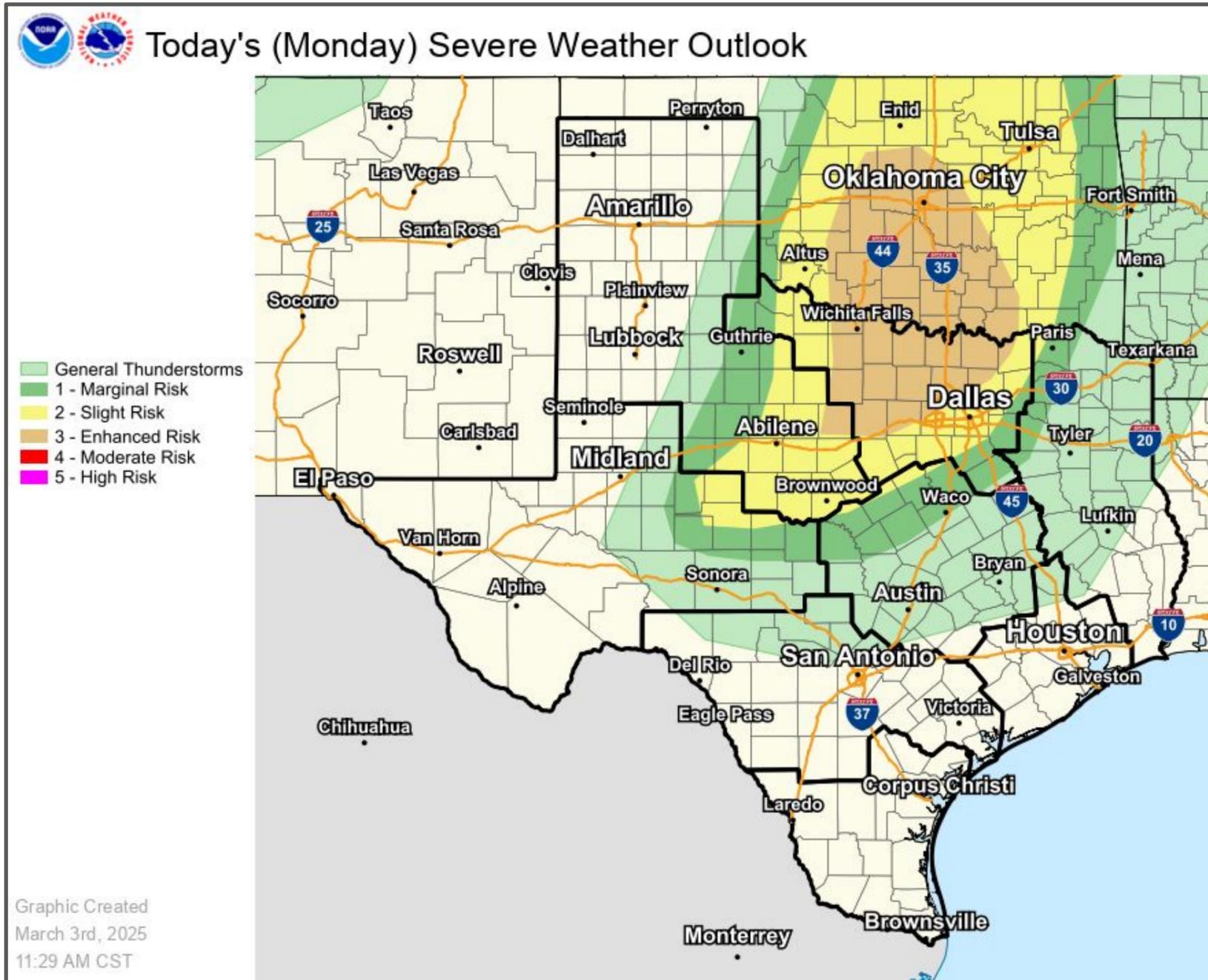


- Gusts of 40-60 mph today.
- Tuesday widespread gusts 50-60mph with isolated 75-80 mph possible.
- Gusts of 60 mph can cause power lines to arc.





Today's Severe Thunderstorm Threat

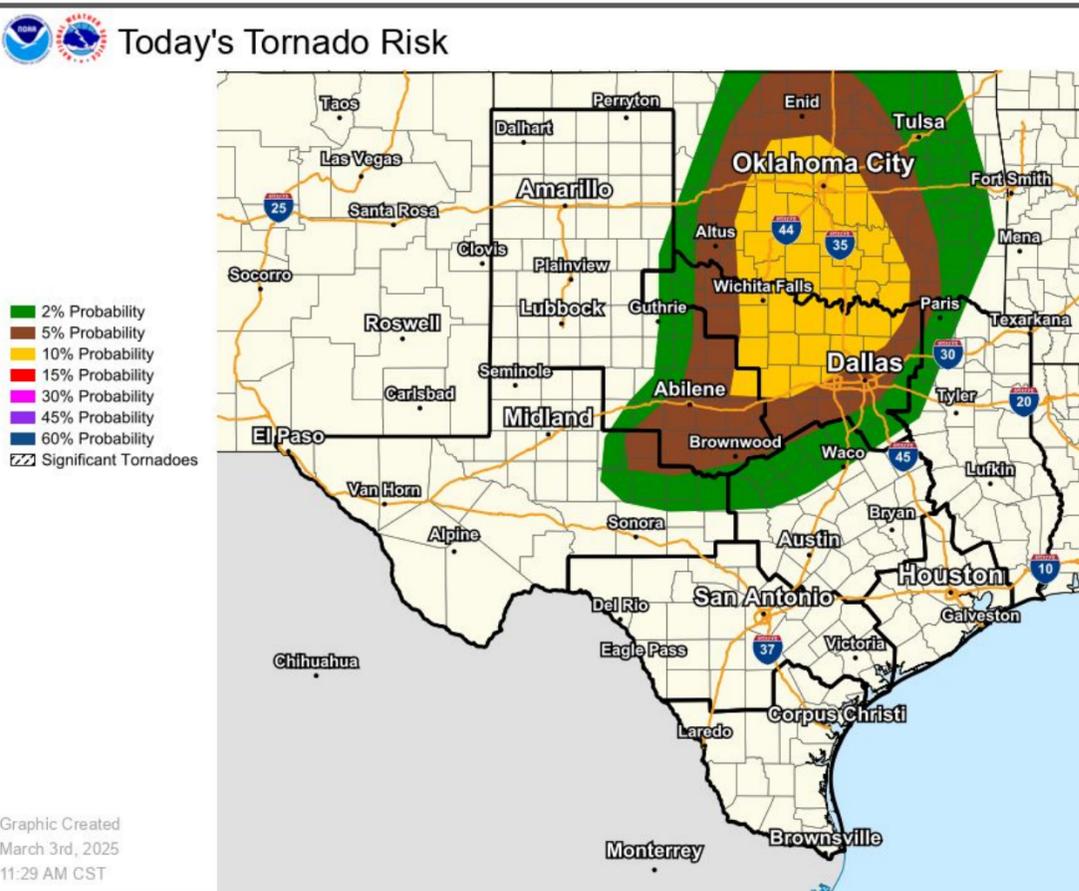


Timing of Severe Storms:
Midnight into Tuesday Morning



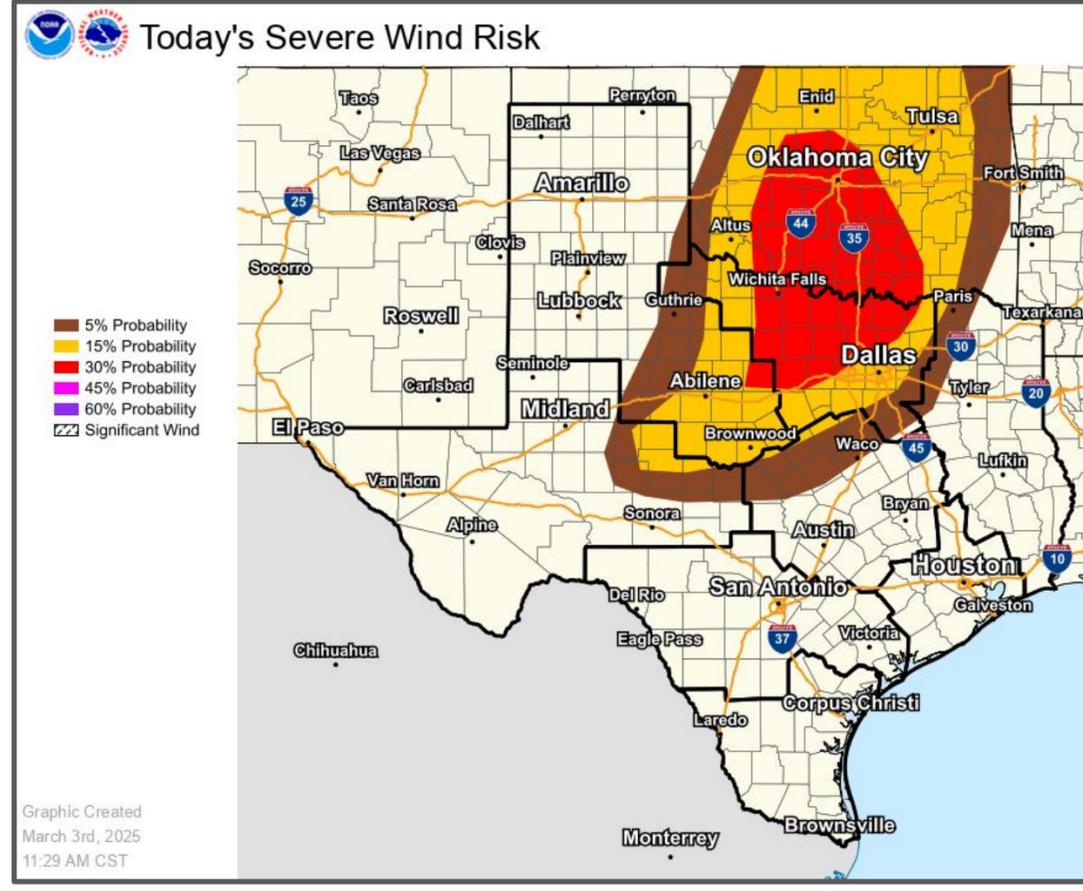
Today's Severe Probabilities

Tornado Risk



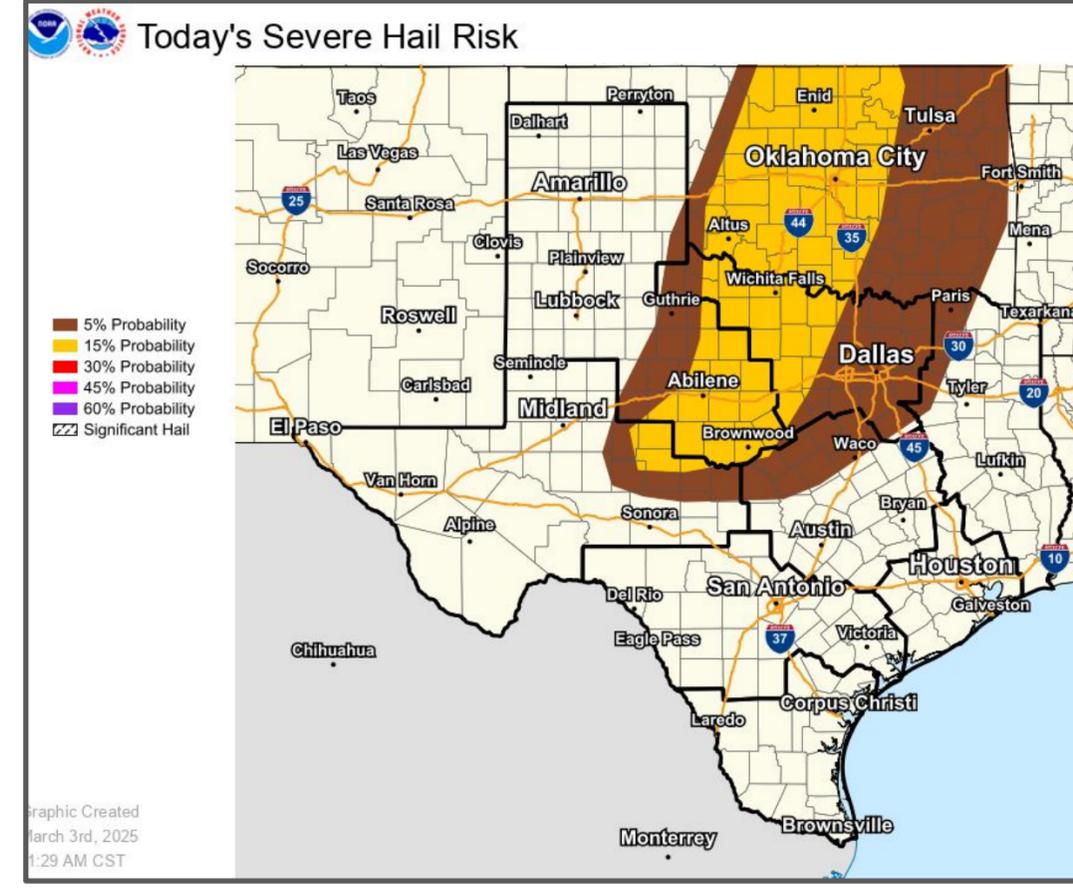
Low Medium High

Wind Risk



Low Medium High

Hail Risk



Low Medium High

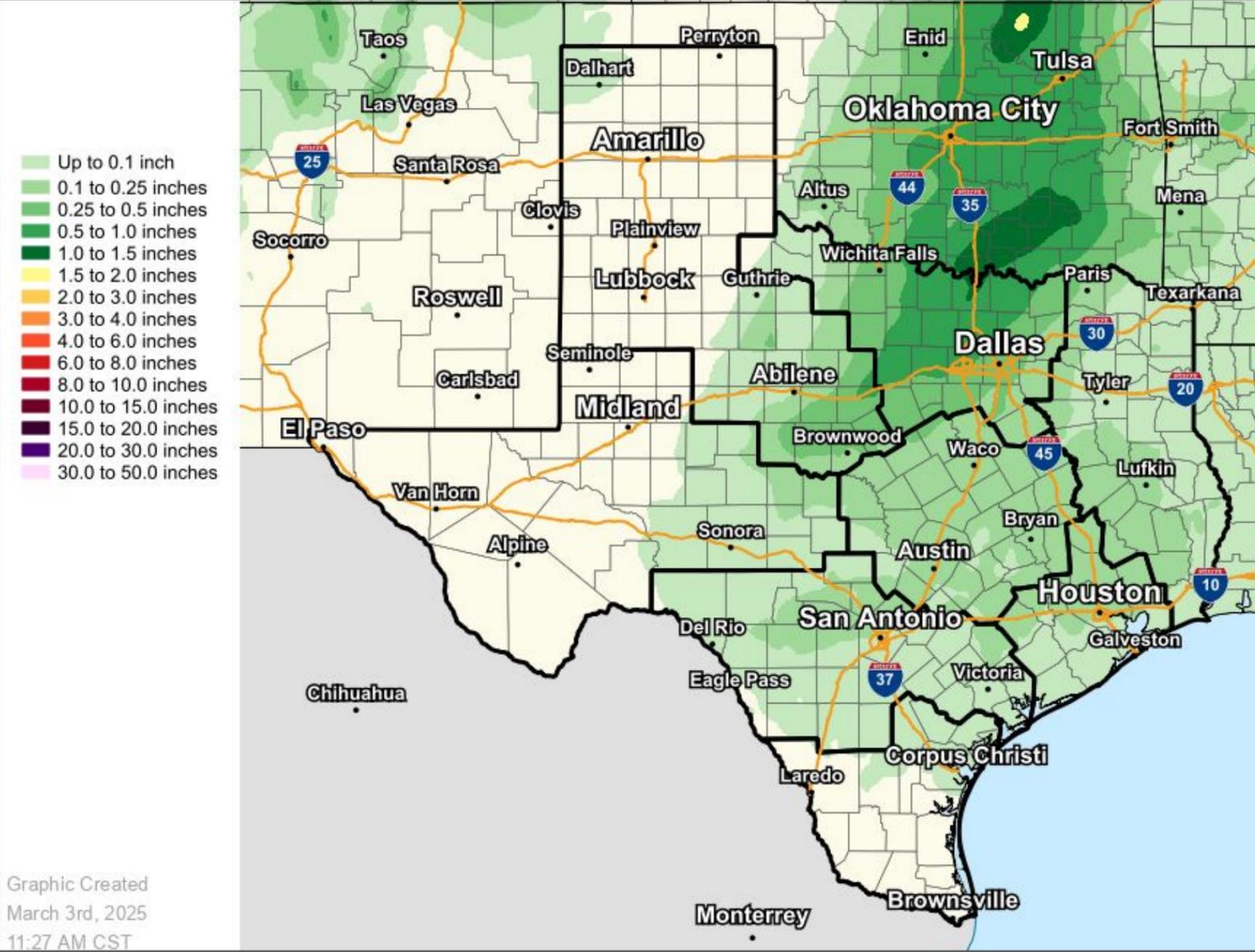
- Several tornadoes, scattered to numerous severe wind gusts, and large hail are all possible.



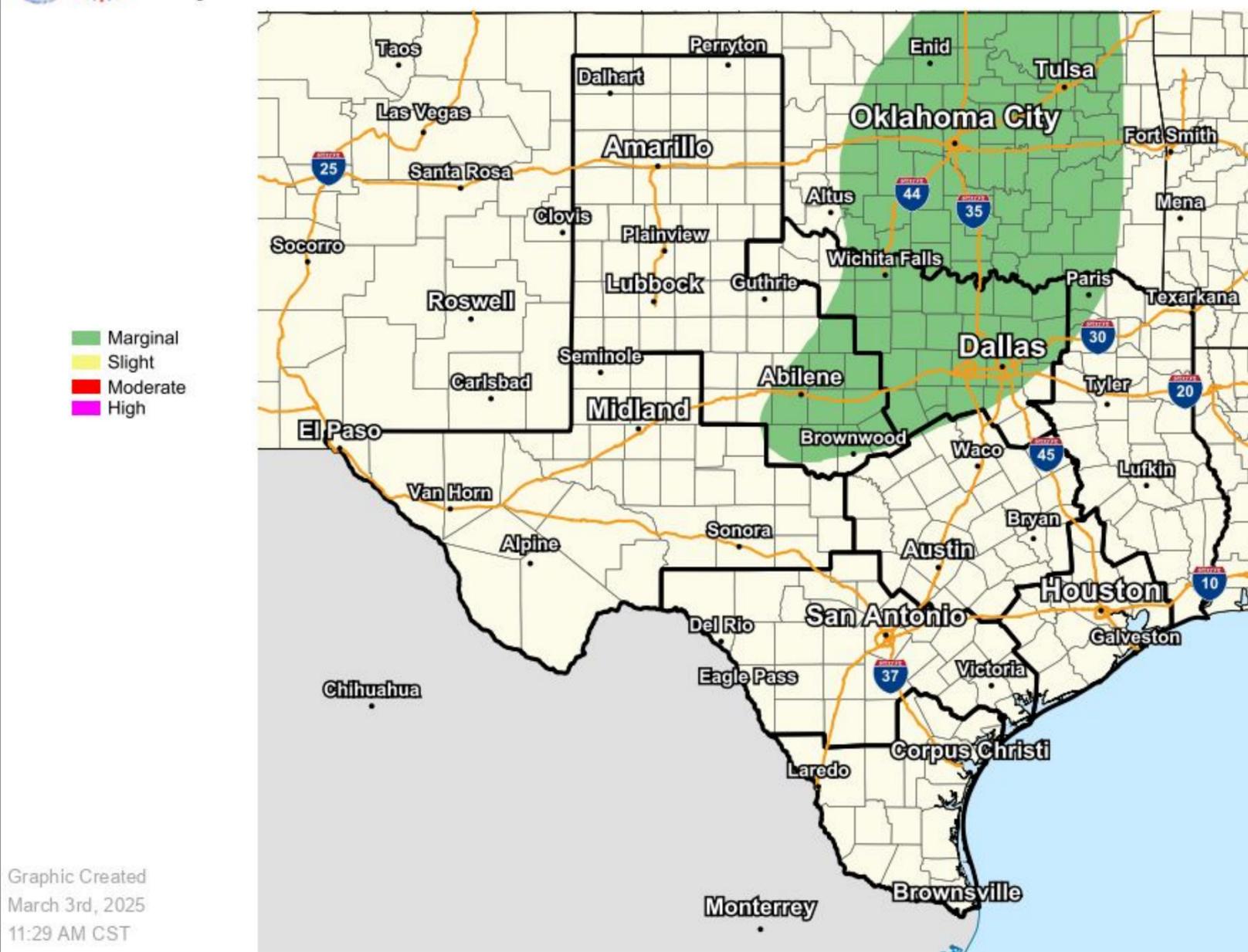
Today's Rainfall

Forecast Precipitation

Valid Ending Tuesday March 4th, 2025 at 6 AM CST



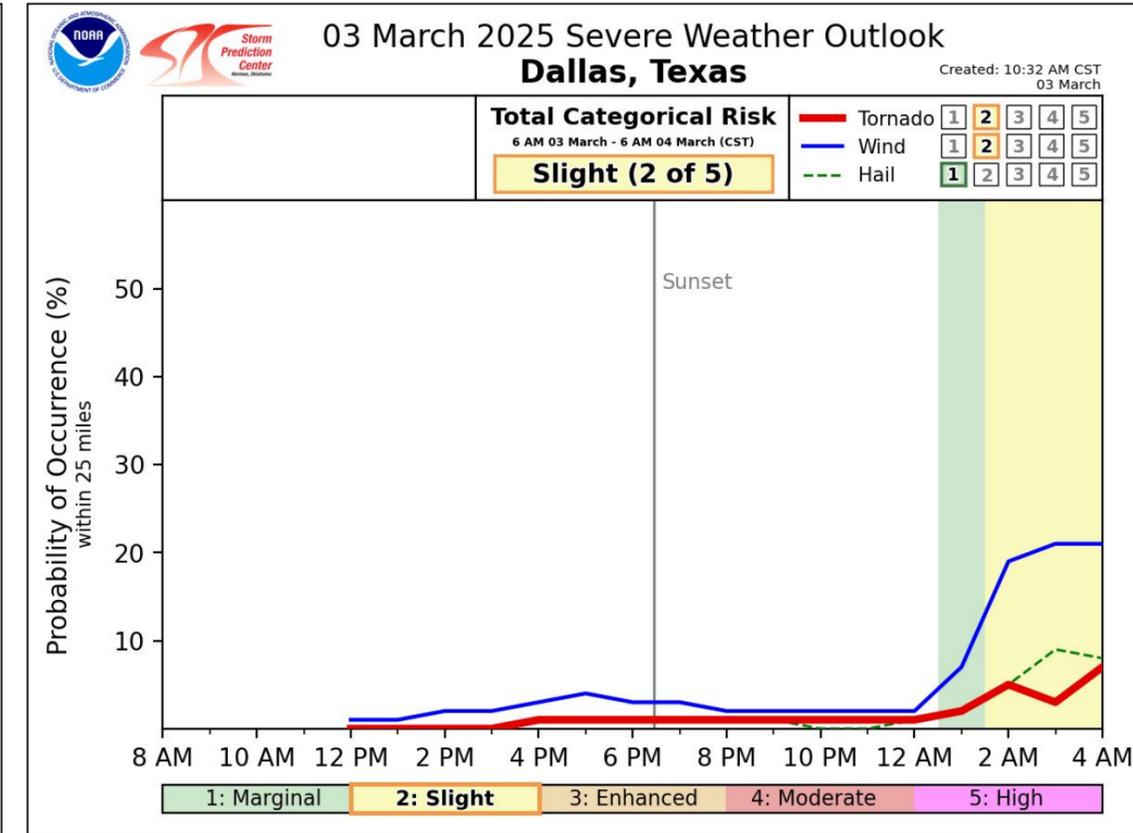
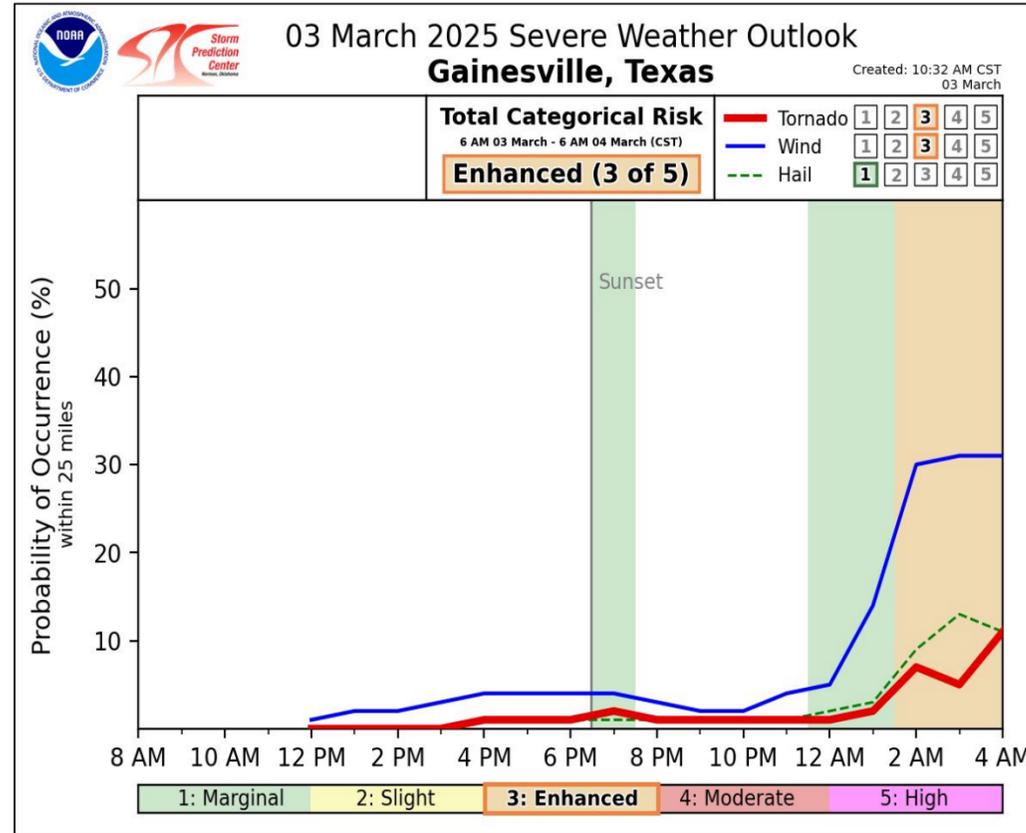
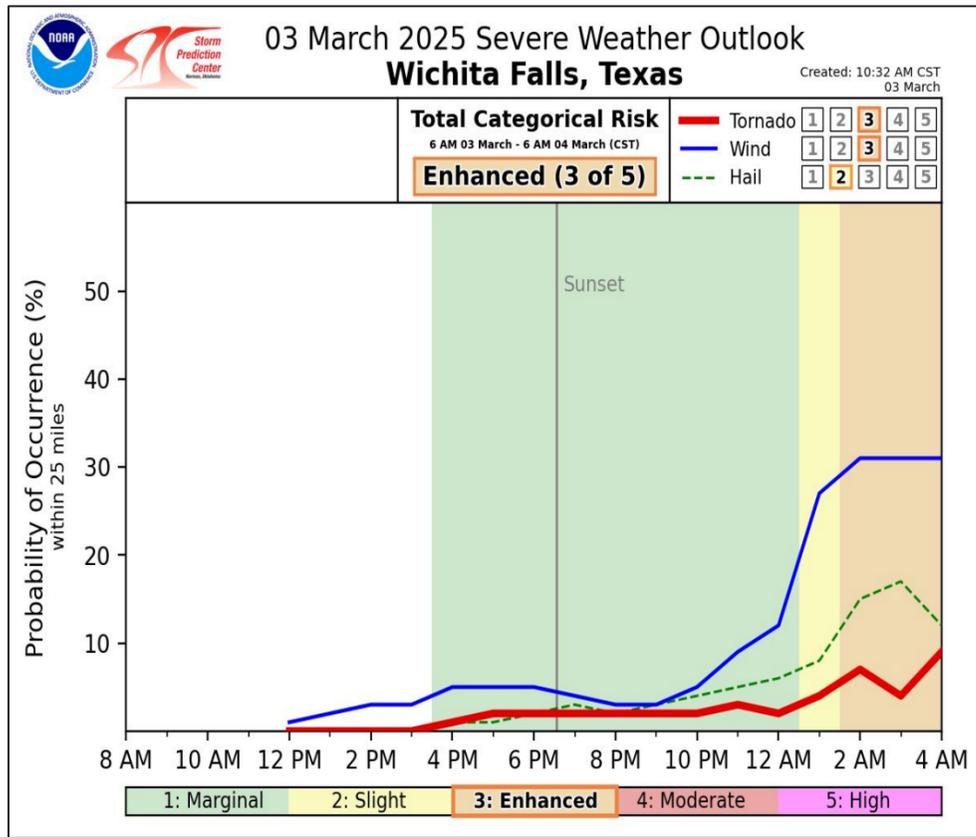
Day One Excessive Rainfall Outlook



- Rainfall totals today up to 1".



Today's Severe Timing

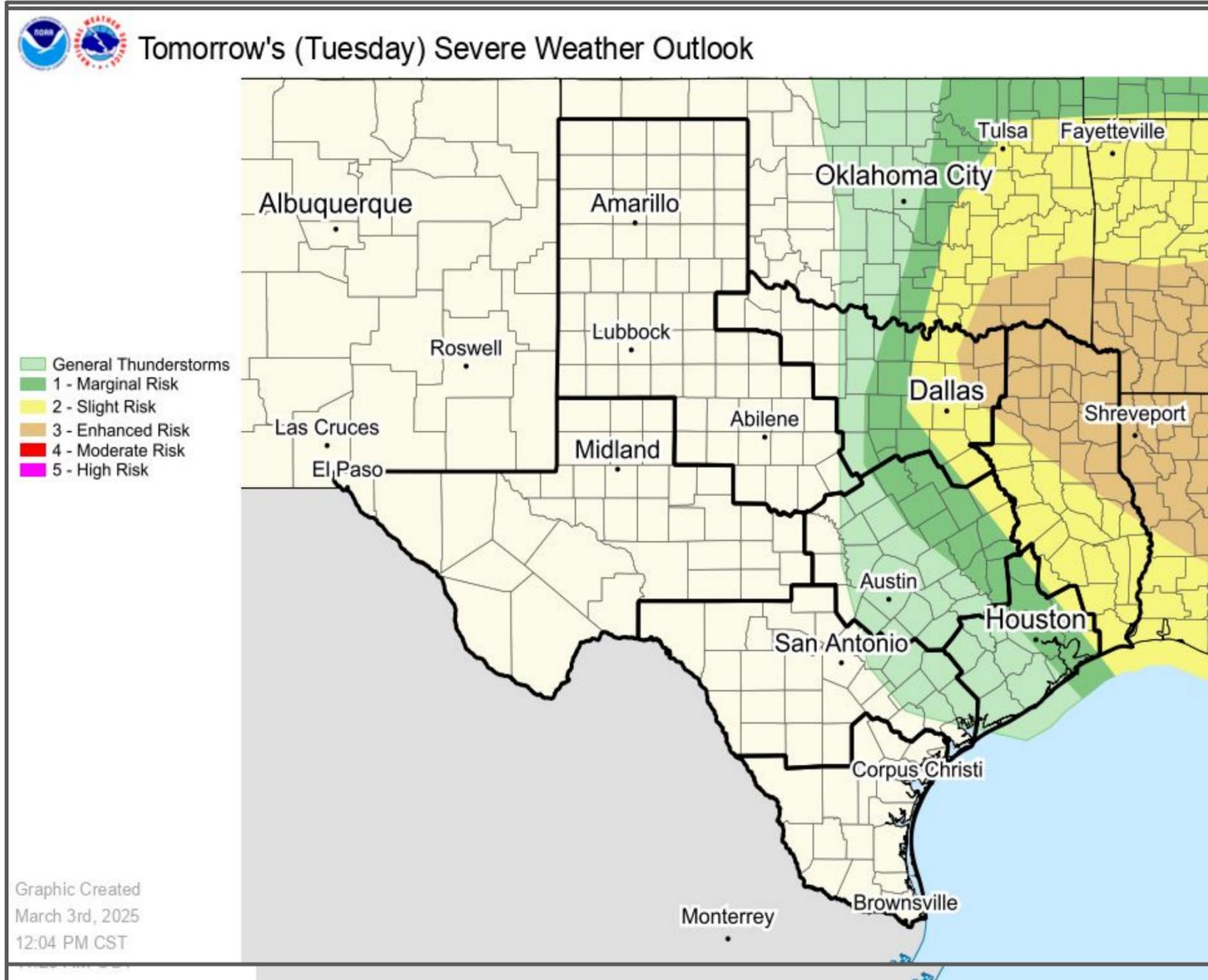


Greatest risk for severe weather across north TX will be after midnight.

Impacts to DFW Metro could occur during morning commute.



Tomorrow's Severe Thunderstorm Threat




TORNADO




WIND




HAIL




FLOOD



Timing of Severe Storms:
Morning through Afternoon

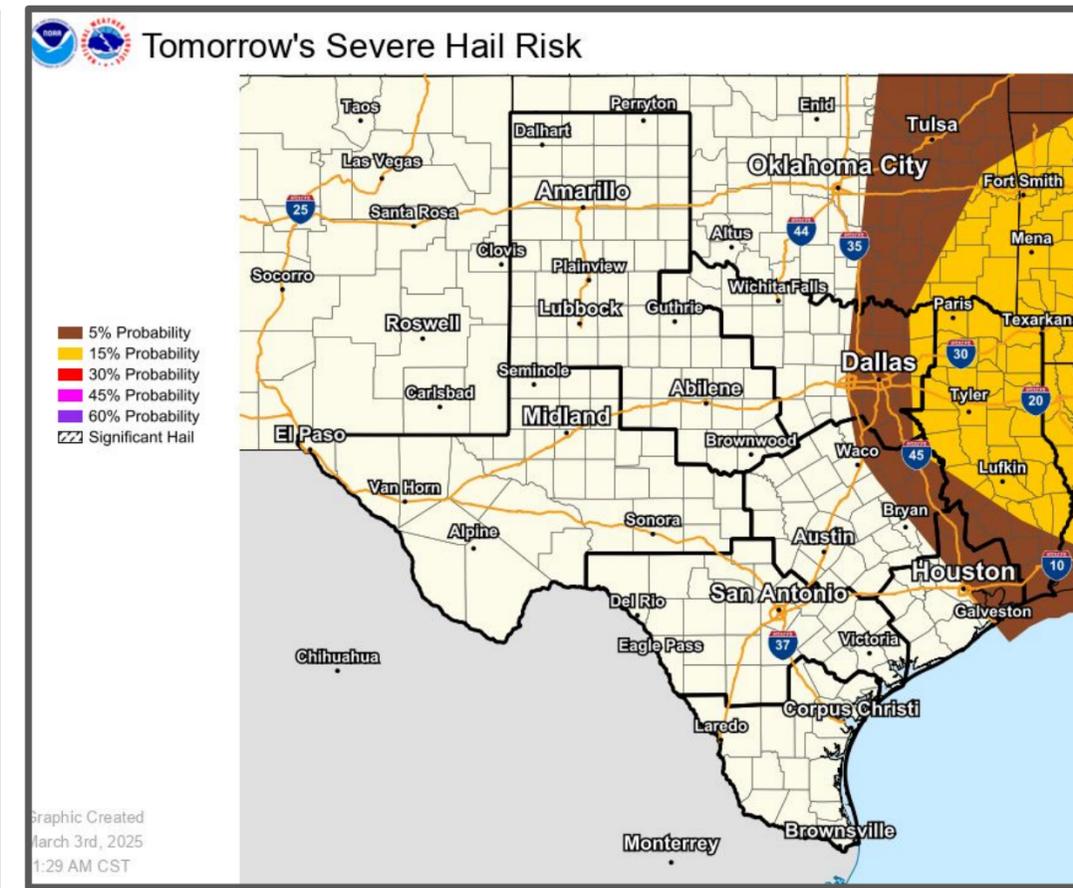
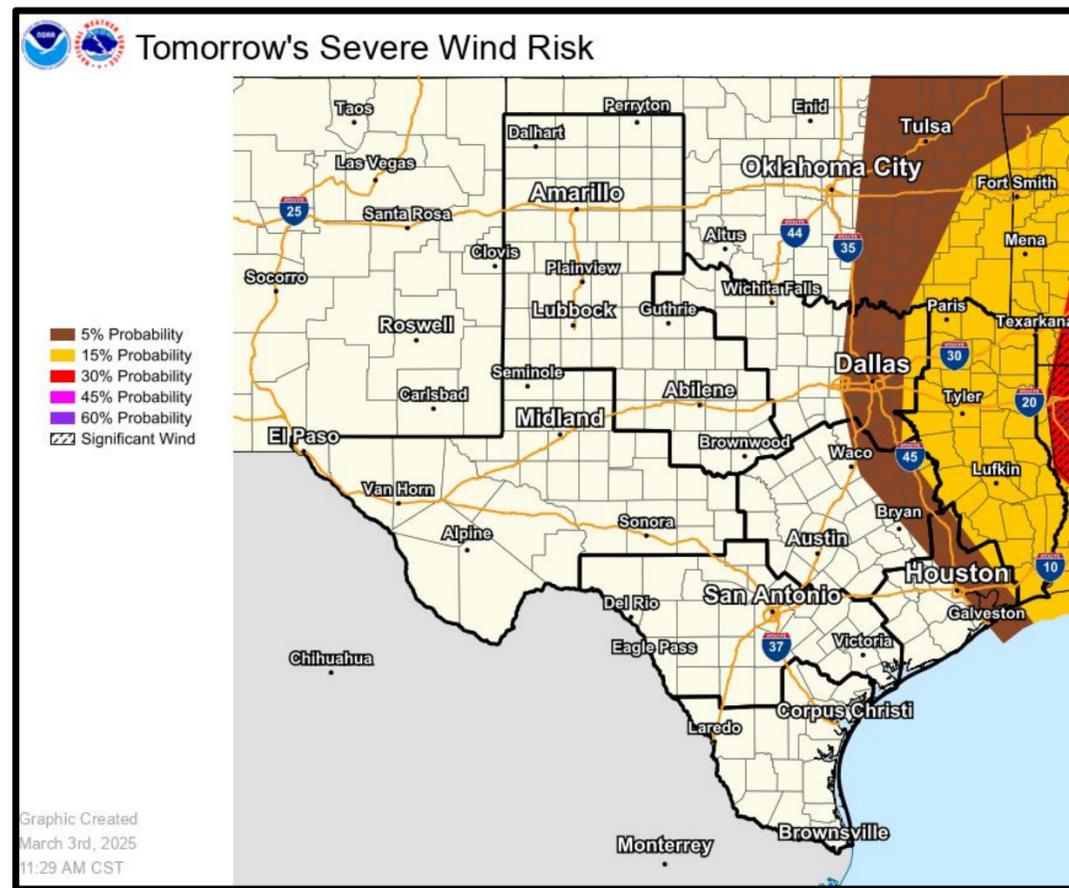
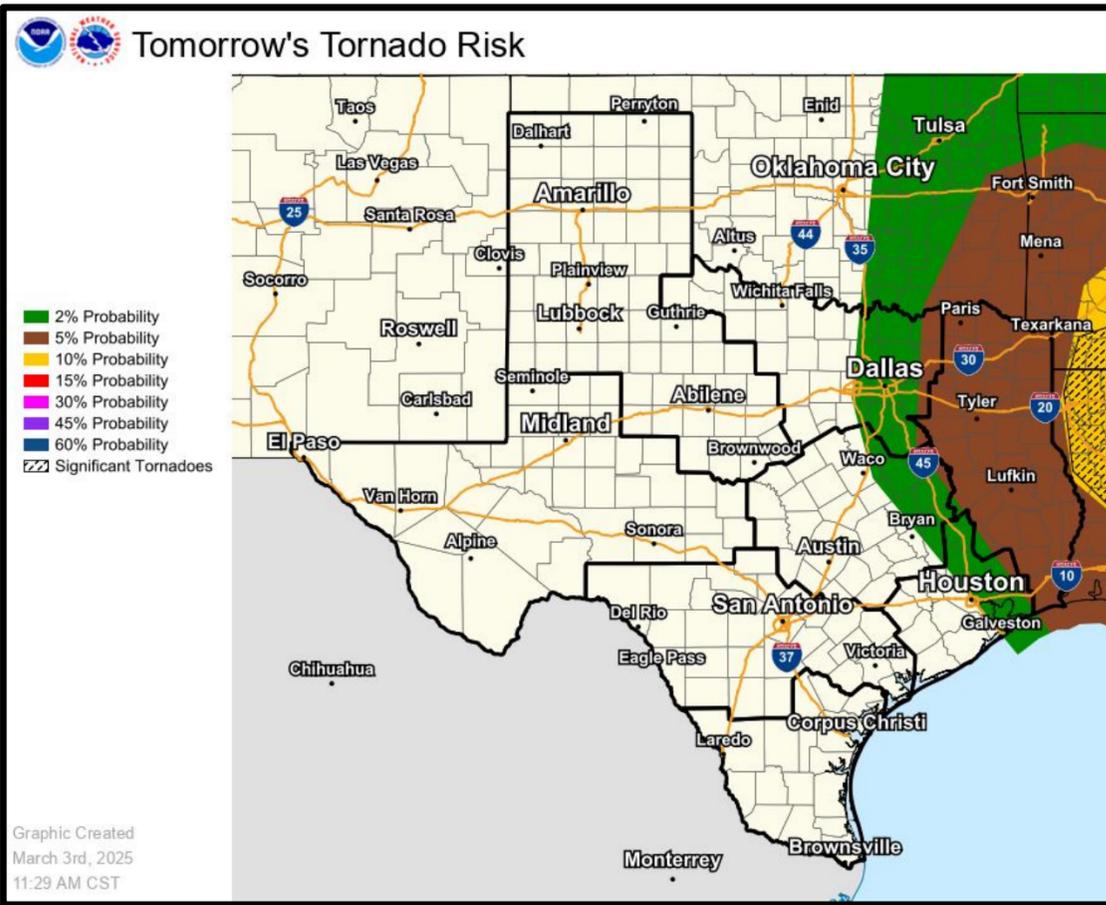


Tomorrow's Tornado & Severe Wind / Hail Probabilities

Tornado Risk

Wind Risk

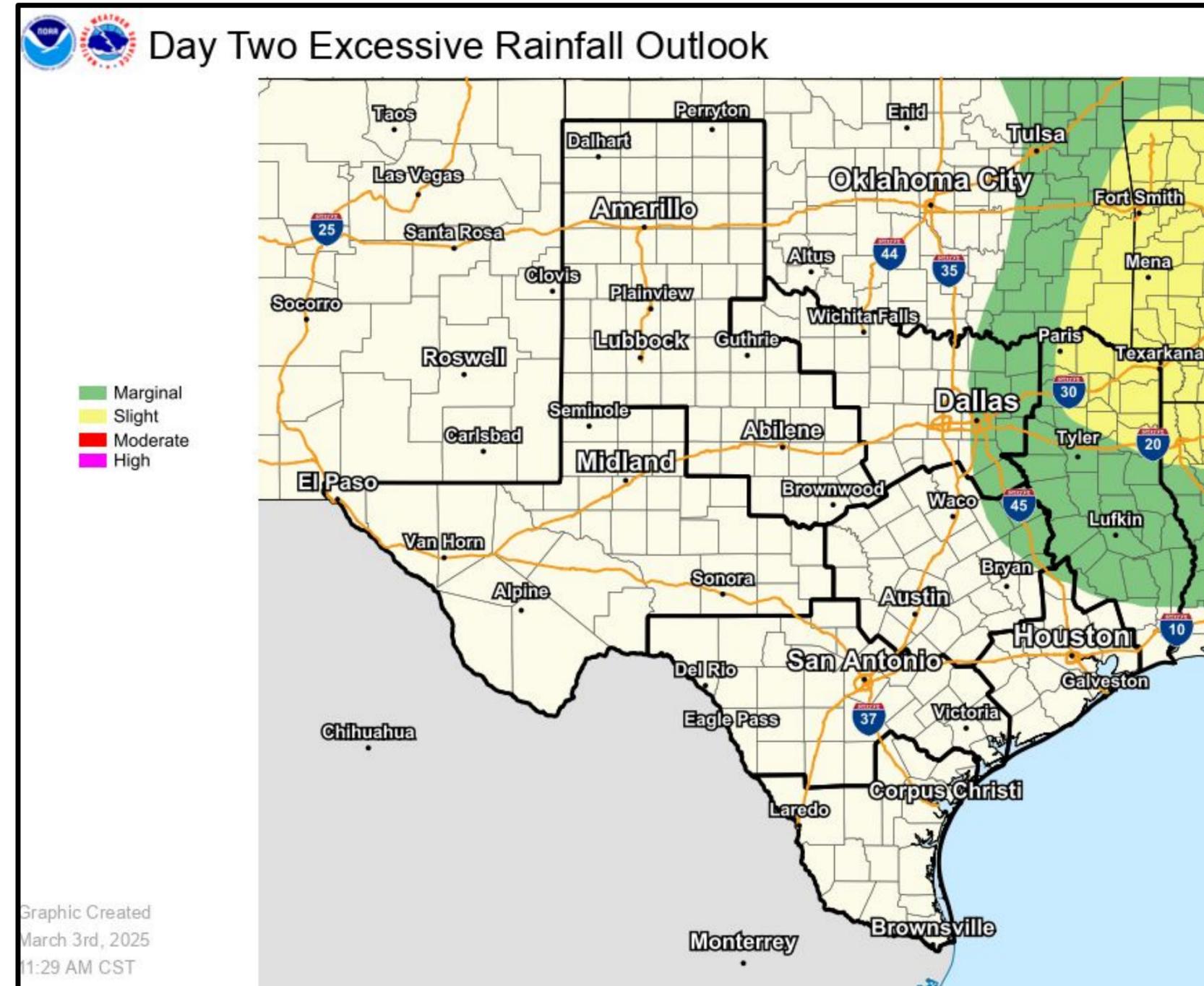
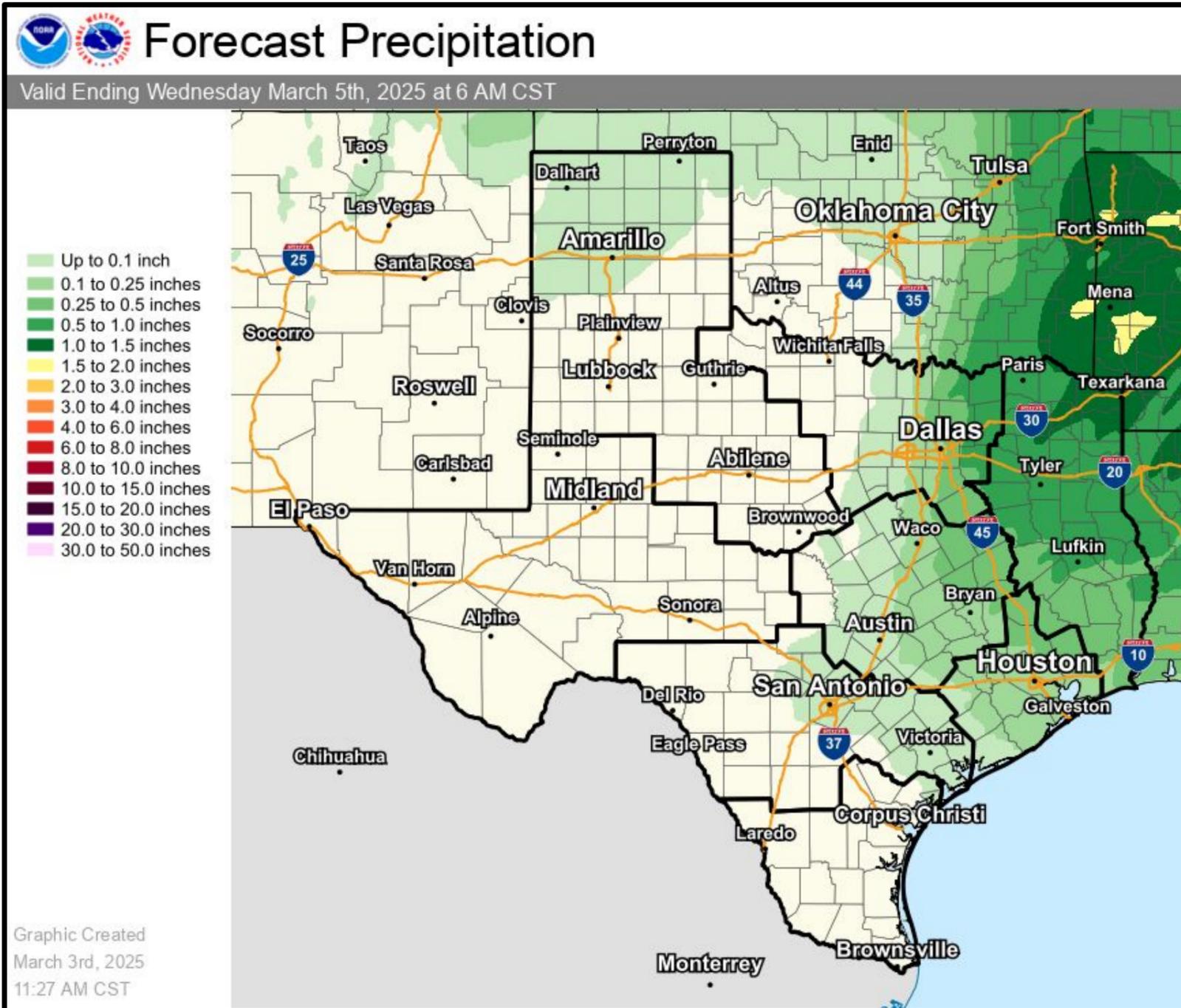
Hail Risk



- Large hail, damaging winds, and a few tornadoes are possible.



Tomorrow's Rainfall & Flash Flood Threat Areas

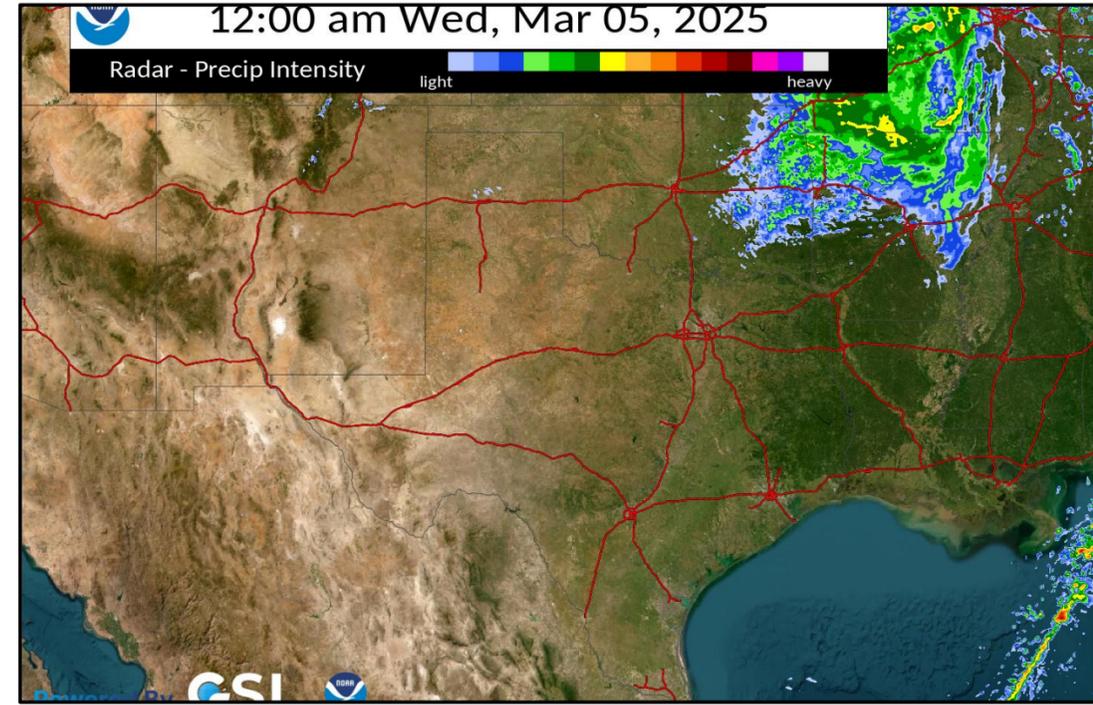
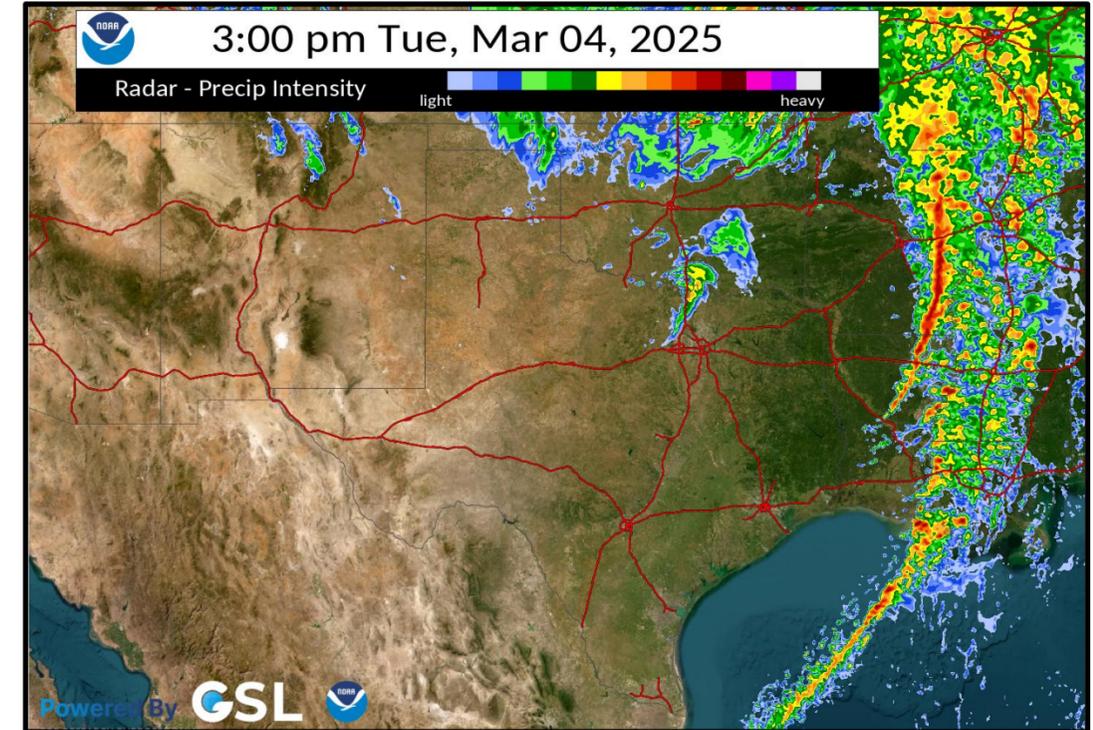
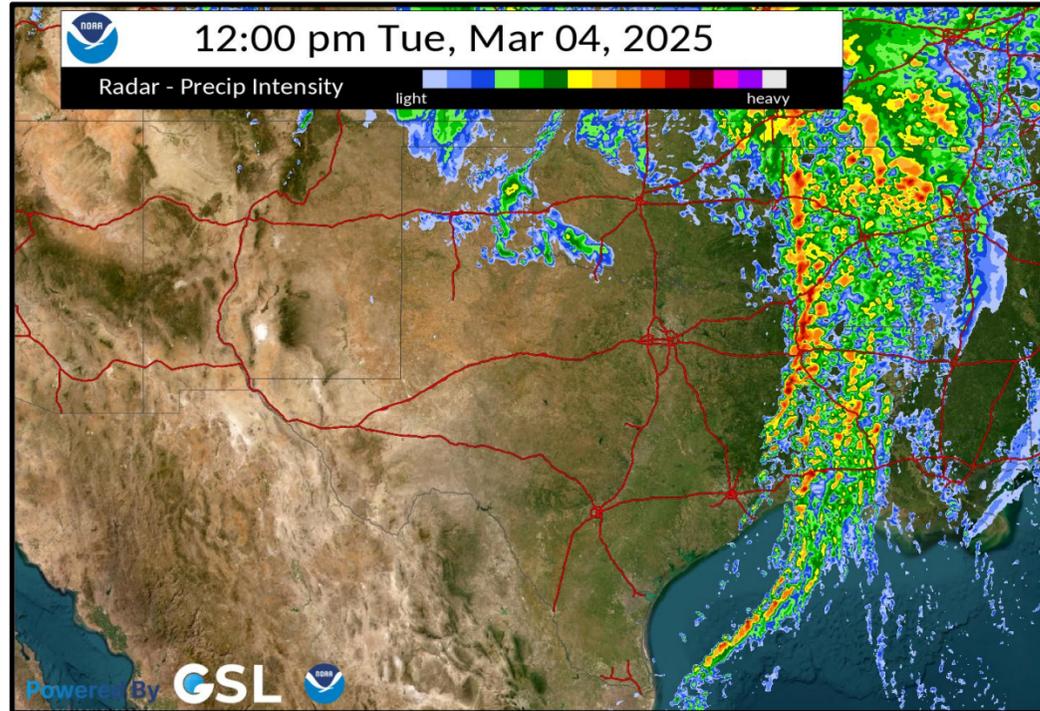


- Slight risk (level 2 of 4) for excessive rainfall/flash flooding over NE TX with up to 2" rainfall. Poor drainage areas may see some brief flash flooding.



Potential Evolution of Storms Tomorrow

NOTE: This is just one model's prediction of the storms, actual timing and locations may be different





Wind Gust/Direction and Humidity Outlook

Wind Gust/Direction

	Mon			Tue			Wed			Thu			Fri			Sat							
	6am	12pm	6pm	12am	6am	12pm	6pm																
Abilene	22↑	25↑	24↑	33→	52→	54→	43↓	17↓	18↓	17↓	8↓	16↓	30↑	32↑	26↑	24↑	22→	30→	24→	18↓	22↓	22↓	18↓
Amarillo	22↑	44↑	41↑	31→	54→	56→	43↓	25↓	15↓	12↓	18↓	21↑	29↑	32↑	28↑	25↑	24→	25→	22→	20↓	17↓	18↓	15↓
El Paso	31↑	49↑	45↑	40→	39→	38→	37→	16↓	6↑	9↑	9↑	9↓	25↑	44↑	45↑	29↑	33→	40→	40→	29↑	23→	23→	17↓
Fort Davis	33↑	40↑	44↑	47→	56→	55→	38→	24↓	10↓	20↑	20↑	15↓	24↑	36↑	37↑	35↑	33→	39→	39→	33→	33→	29↓	20↓
Guadalupe Pass	53↑	66↑	72↑	72↑	74↑	63↑	54↑	23↓	18↓	25↑	25↑	21↓	39↑	59↑	63↑	63↑	59↑	58↑	60↑	55↑	47↑	36↓	25↓
Lubbock	32↑	40↑	36↑	36→	54→	54→	39↓	20↓	10↓	10↑	14↓	17↓	28↑	36↑	31↑	21↑	29→	33→	29→	17↓	18↓	20↓	15↓
Midland/Odessa	25↑	33↑	31↑	41→	56→	56→	40→	12↓	10↓	12↓	15↓	24↑	35↑	40↑	37↑	30↑	33→	35→	32→	26→	29↓	30↓	17↓
San Angelo	20↑	22↑	25↑	39→	54→	55→	44↓	12↓	12↓	12↓	10↓	14↓	26↑	30↑	26↑	21↑	18→	28→	20→	18↓	21↓	23↓	20↓
Wichita Falls	31↑	38↑	33↑	31↑	54→	59→	52→	33↓	28↓	28↓	10↓	13↓	28↑	33↑	28↑	24↑	28→	28→	20↓	21↓	24↓	24↓	17↓

- Very strong winds/low relative humidity will persist through Tuesday across the western half of Texas.
- Little in the way of humidity recovery overnight
- After a break in the strong winds on Wednesday, gusty winds return to west Texas Thursday into Friday.

Min Relative Humidity

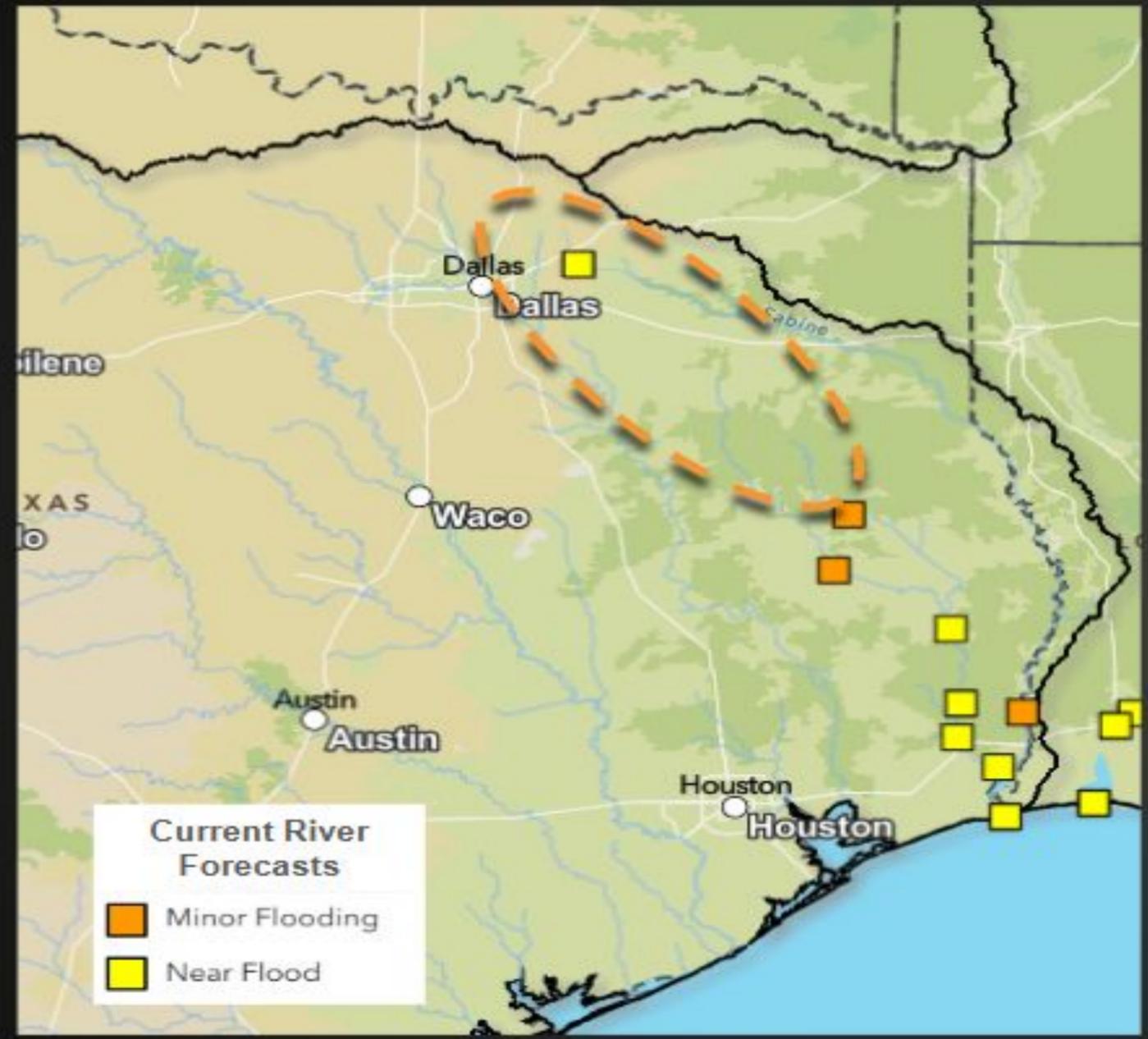
	3/3 Mon			3/4 Tue			3/5 Wed			3/6 Thu			3/7 Fri			3/8 Sat							
	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm				
Abilene	50	64	45	81	30	22	22	39	51	25	24	38	40	26	23	39	54	21	18	38	55	38	35
Amarillo	85	19	8	22	48	48	32	50	59	33	23	37	48	31	17	29	39	24	20	52	74	49	27
El Paso	26	10	7	24	34	24	15	25	38	20	10	15	17	11	14	24	35	27	19	35	46	29	17
Fort Davis	19	9	4	12	28	20	13	21	35	14	10	23	26	10	9	19	32	14	9	23	42	24	19
Guadalupe Pass	26	13	6	24	42	25	17	27	38	20	13	24	26	12	14	23	36	23	19	31	50	33	24
Lubbock	42	14	8	15	29	27	21	39	56	26	19	38	44	26	15	28	38	19	14	35	64	47	28
Midland/Odessa	28	21	8	23	27	23	12	30	50	23	17	30	38	27	17	33	42	19	15	27	48	32	25
San Angelo	92	68	43	73	28	24	16	34	53	26	20	37	41	29	27	45	67	24	16	34	49	32	29
Wichita Falls	100	70	52	81	63	35	39	53	57	33	32	55	61	31	31	45	56	26	25	54	73	48	39

Medium Chances of Minor River Flooding

Beginning Tuesday for the Sabine & Neches Rivers of East Texas

weather.gov/**WGRFC**

Monday, March 3, 2025



Monday:

No additional river flooding expected



Tuesday:

Medium chance of new / renewed minor river flooding for tributaries of the Sabine, Neches, and Upper Trinity river basins



West Gulf River Forecast Center

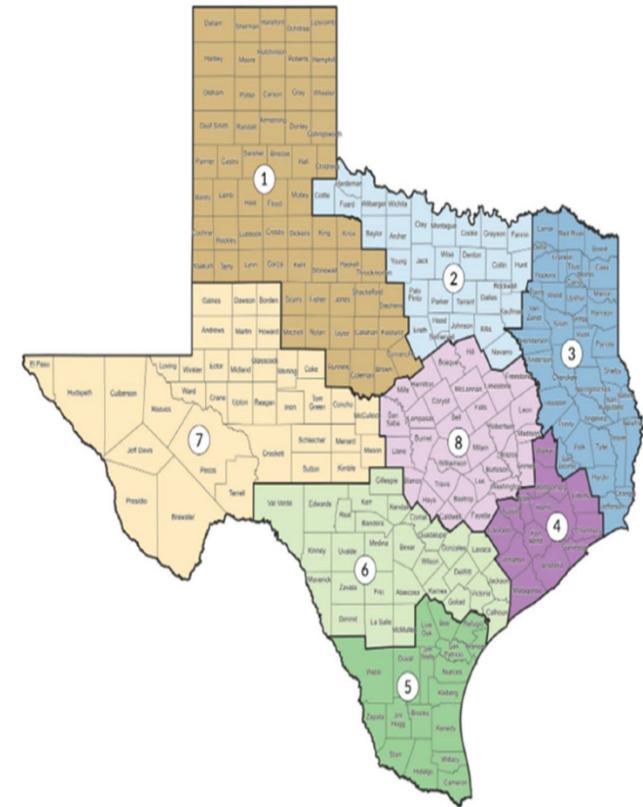
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Summary



TDEM Regions



***For specific impacts;
please contact
your local National
Weather Service Office***

**National Weather Service
Southern Region**

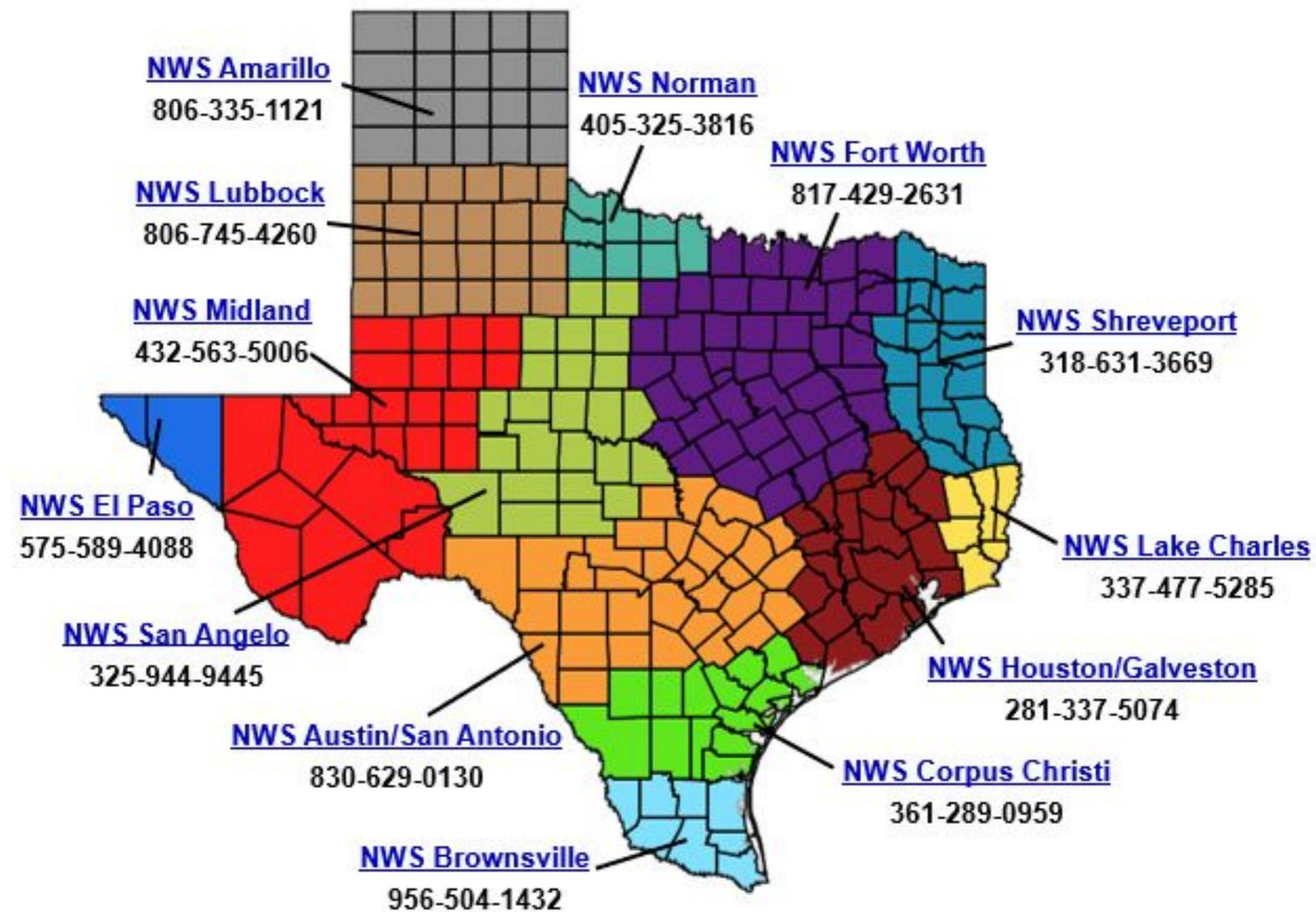
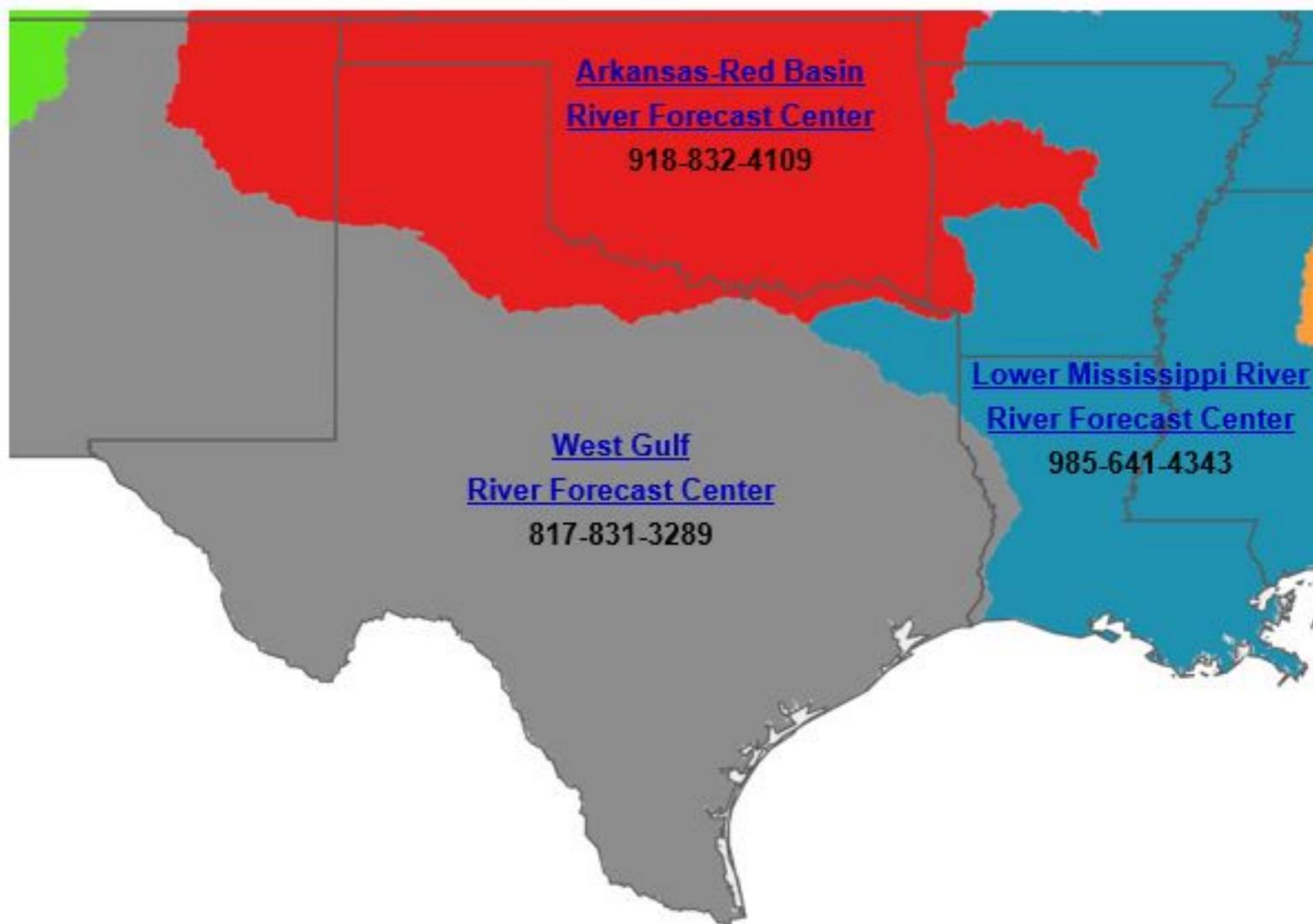
	Monday, Mar 3	Tuesday, Mar 4	Wednesday, Mar 5	Thursday, Mar 6	Friday, Mar 7
Severe Storms	Regions 1,2	Regions 2,3 Regions 4,8			
Flash Flooding	Region 2	Region 3			
Winter					
Fire Weather	Regions 1,7 Regions 1,2,7	Regions 6,7,8 Regions 1,2,5		Regions 1,7	Regions 1,7
River Flooding	Region 3	Region 3	Region 3	Region 3	Region 3

Risk Levels	Little to None	Minor	Moderate	Major	Extreme
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NWS Offices Supporting Texas



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