



# FEMA



Prepared by  
*Mark Wiley*

# FEMA Region 6 Weather Threat Briefing

Monday November 20, 2023

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).



NWSSouthern

[www.weather.gov/srh](http://www.weather.gov/srh)



# Summary of the Upcoming Week




- **Slight to enhanced risk of severe storms late this morning through this evening across E TX, S AR and LA. Damaging winds, large hail and several tornadoes, a few of which may be strong (>EF-2), are possible.**
- **Marginal risk for heavy rainfall/isolated flash flooding over AR and LA on Monday.**
- **No tropical impacts to FEMA 6 over the next 7 days.**



# FEMA Region 6 Threat Matrix

Nov 20, 2023 - Nov 24, 2023

DAY / THREAT	Mon	Tue	Wed	Thu	Fri
Severe Storms	ETX, LA				
	SAR				
Heavy Rain / Flash Flooding	AR, LA				
Fire Weather					
Tropical Winds / Surge					
Winter Weather					TX Panhandle late
River Flooding					

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



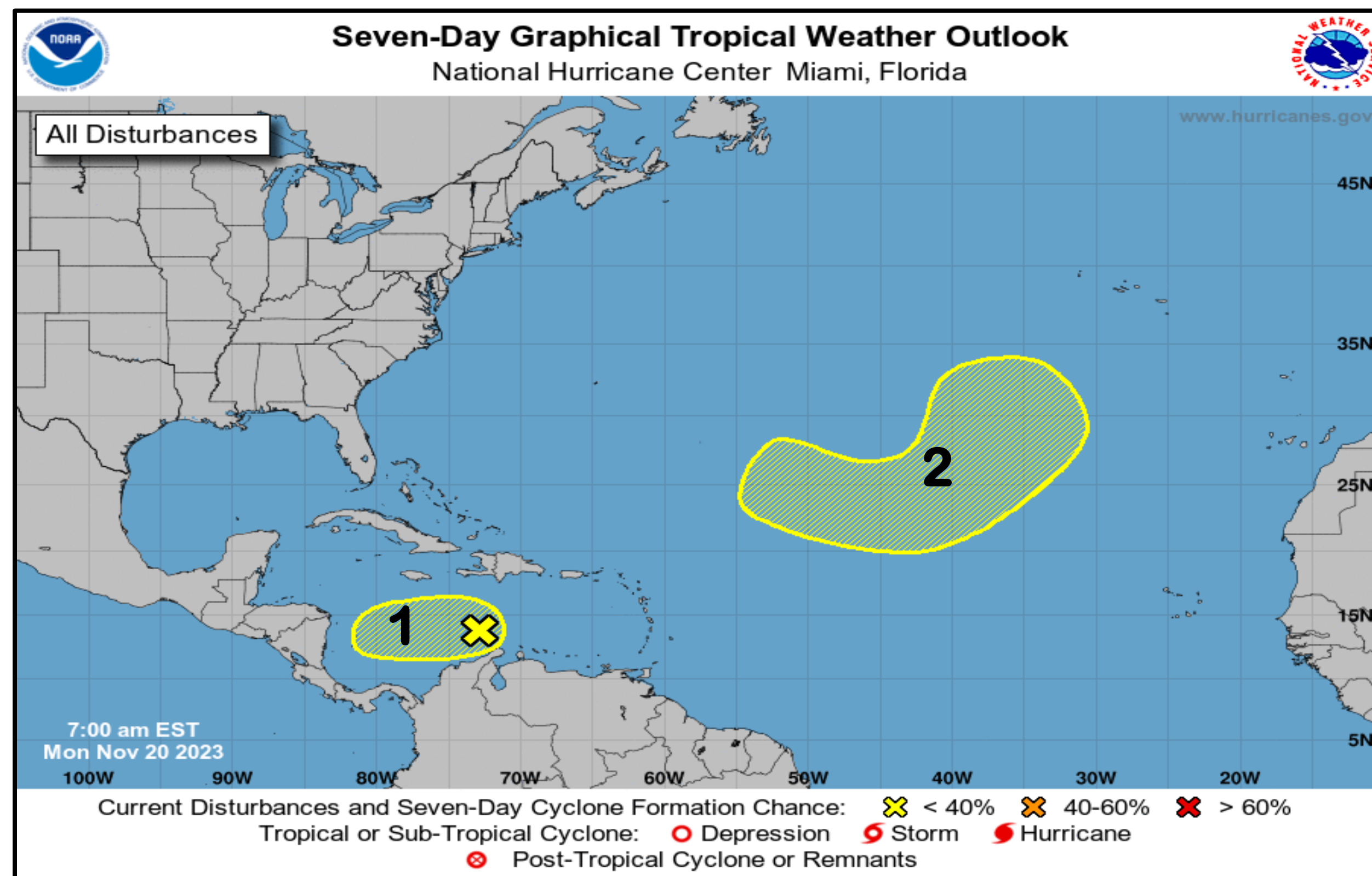
# Tropical Weather Outlook – Atlantic/Gulf

## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Low	None
2	Low	None

## Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
None	

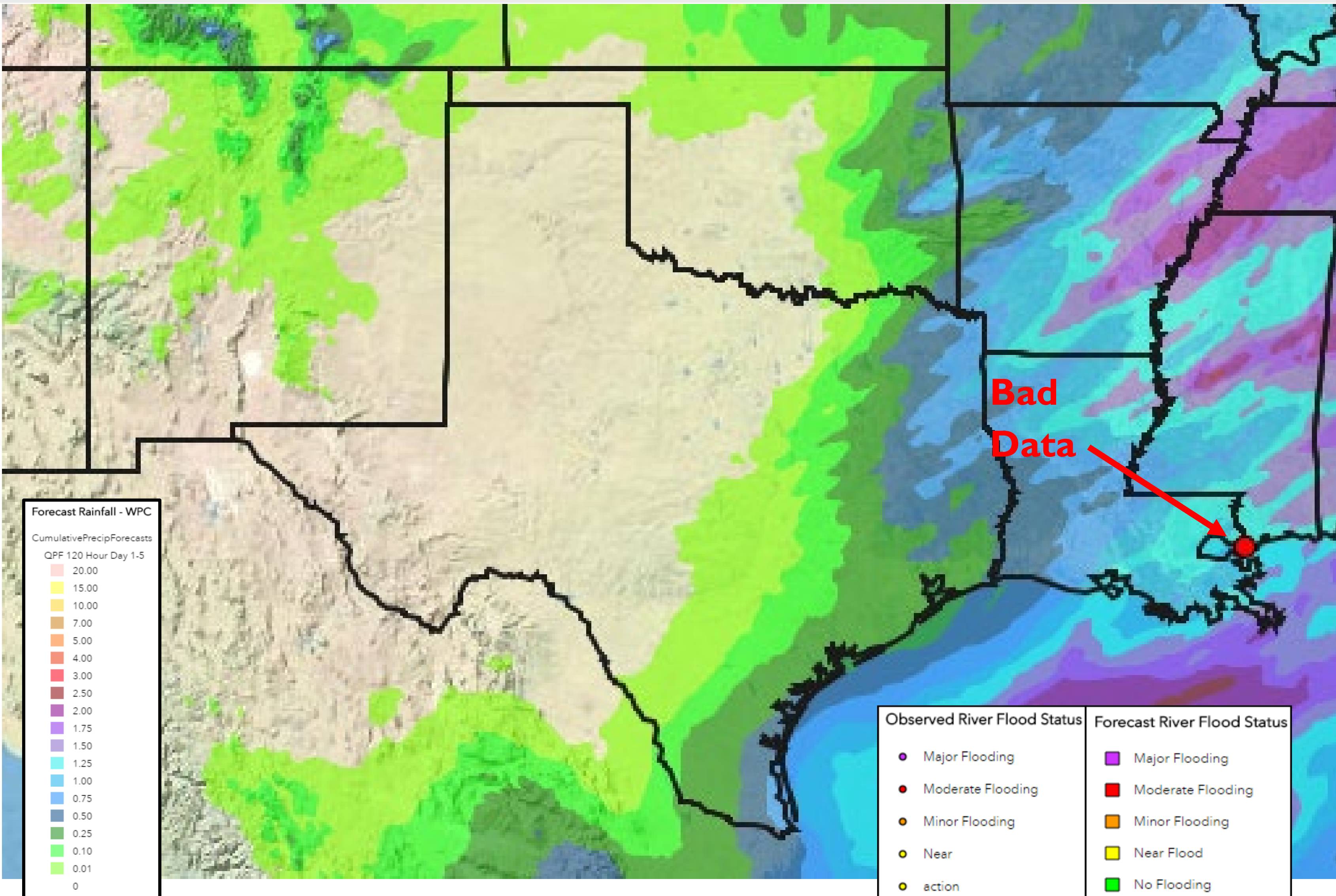


See <http://www.hurricanes.gov> for the latest on the tropics or any active storms



# 5-Day Precipitation Forecast & River Flood Status

Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



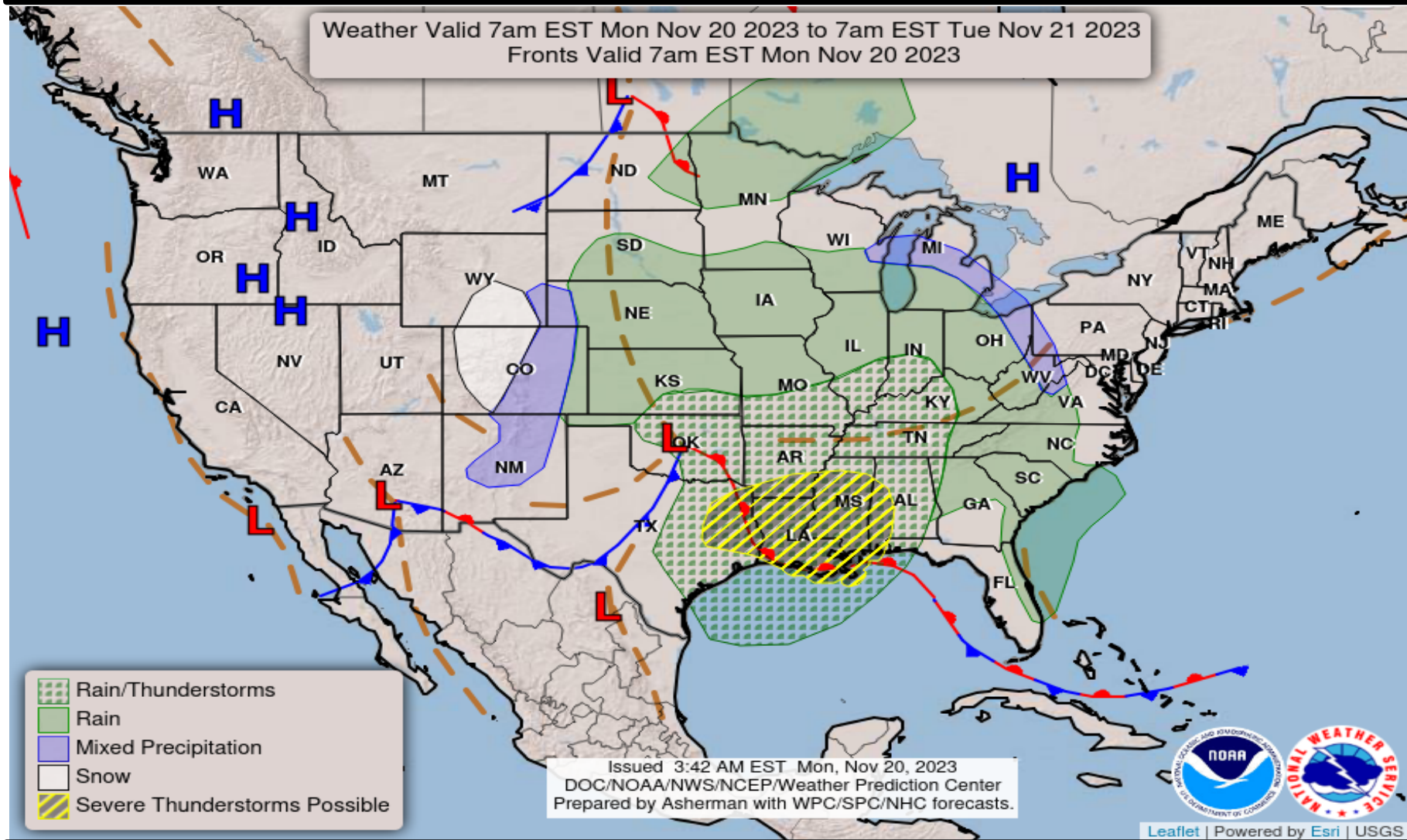
No significant river flooding expected.

<http://water.weather.gov/ahps> for latest river flooding

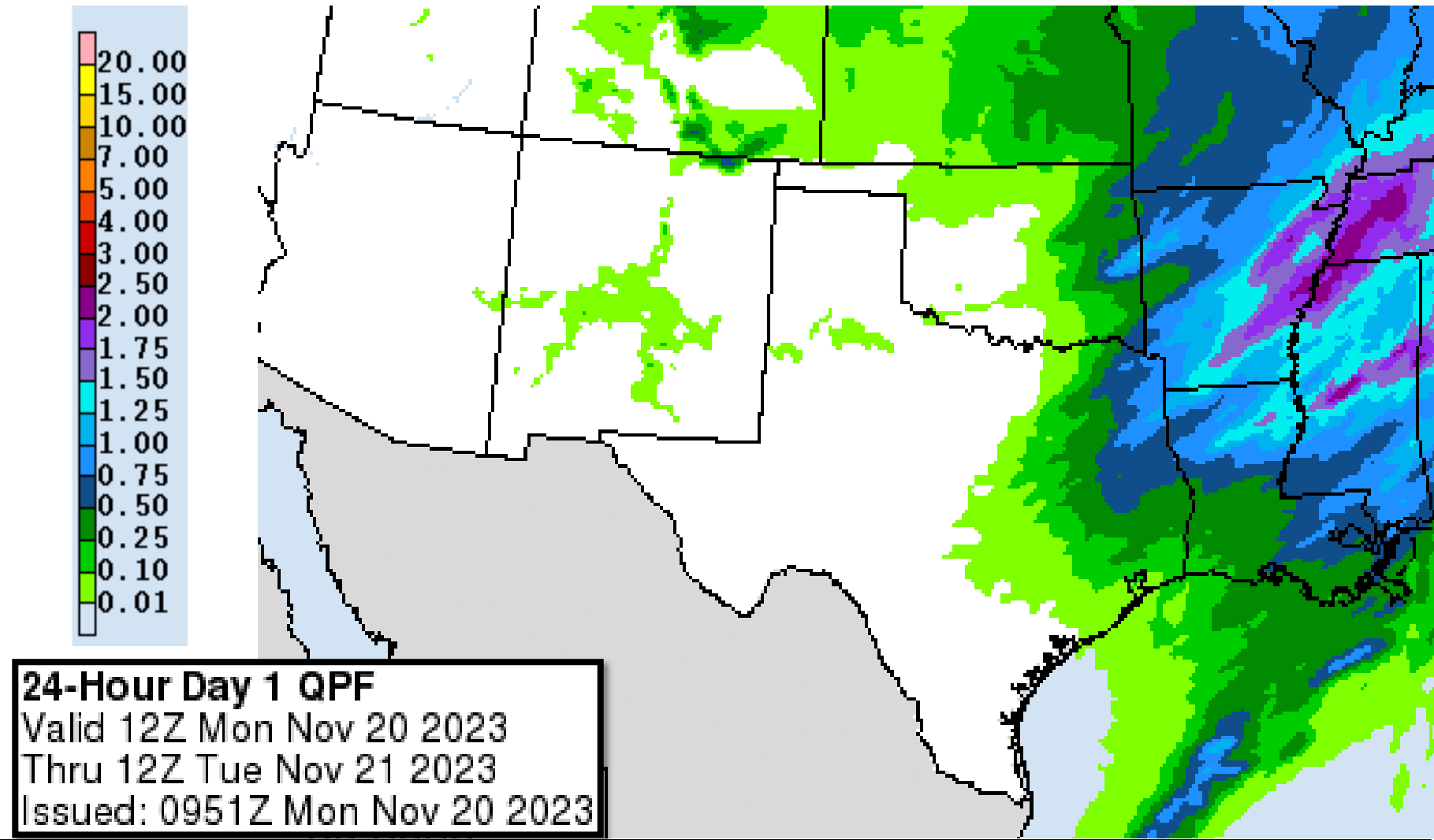


# Today's Weather

## Forecast Chart



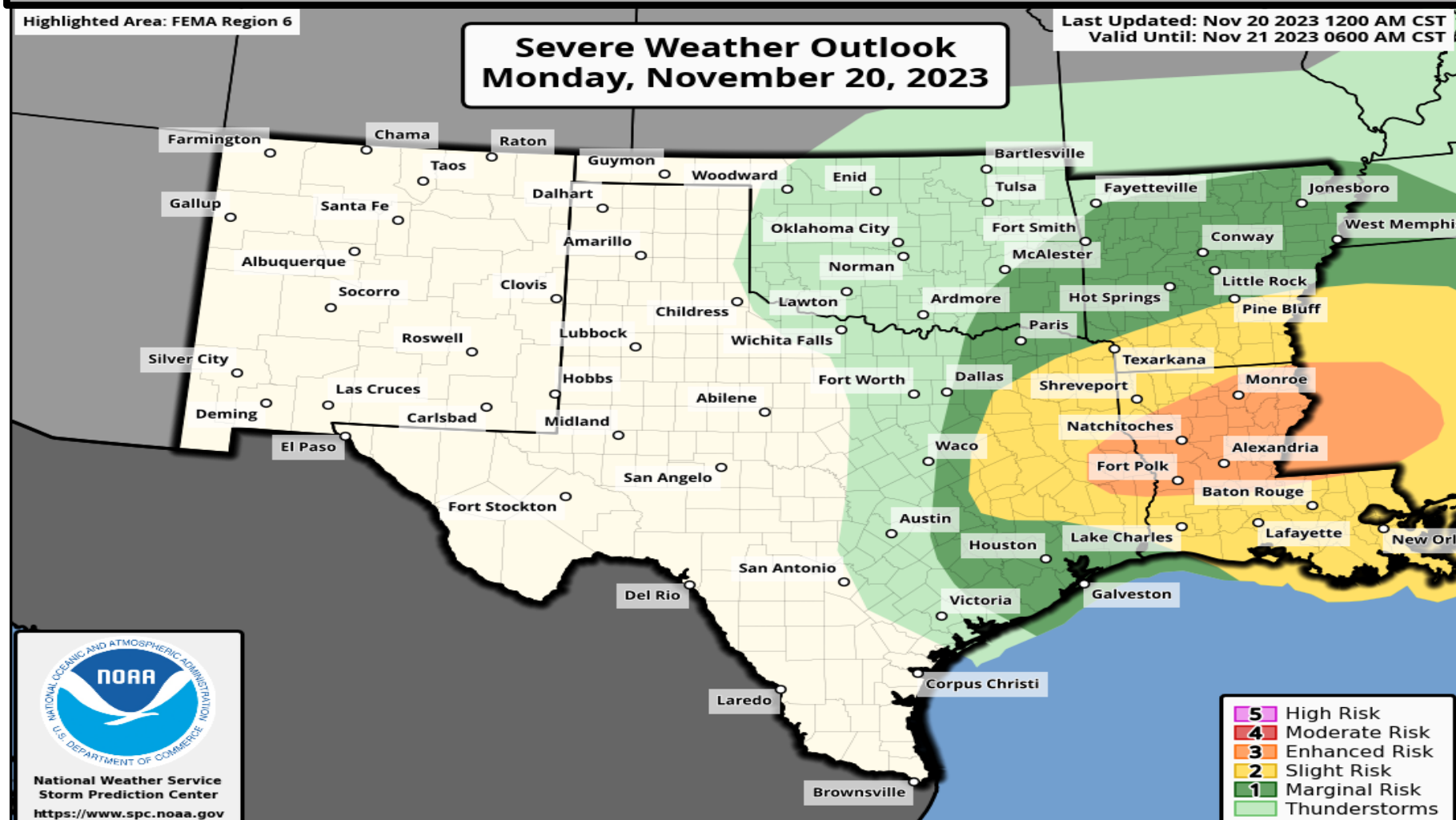
## Forecast Rainfall



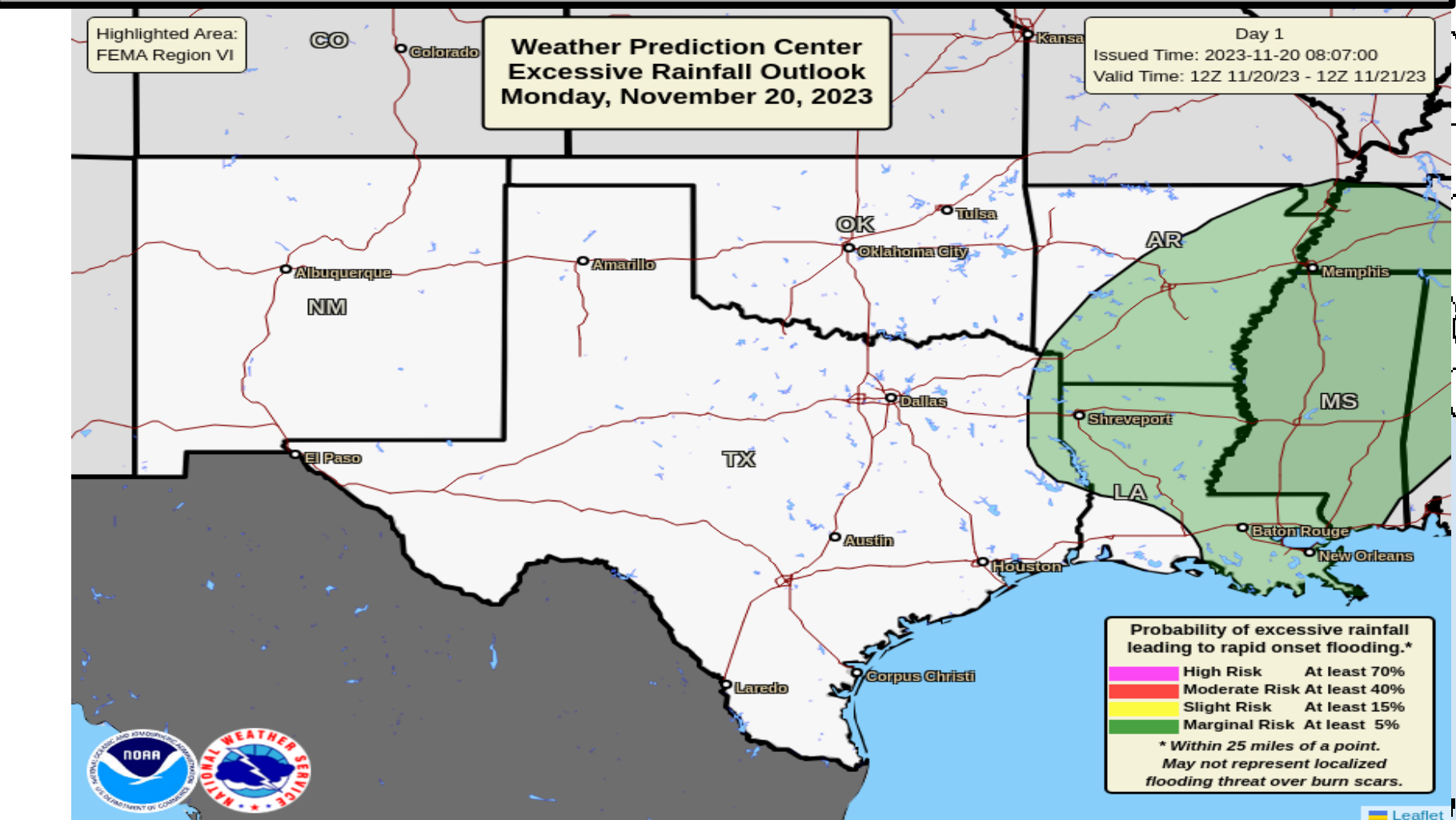
Slight to enhanced risk of severe storms across E TX, S AR, LA. Damaging winds, hail and tornadoes are the main hazards.

Heavy rain/isolated flash flooding across AR, LA.

## Severe Weather Outlook

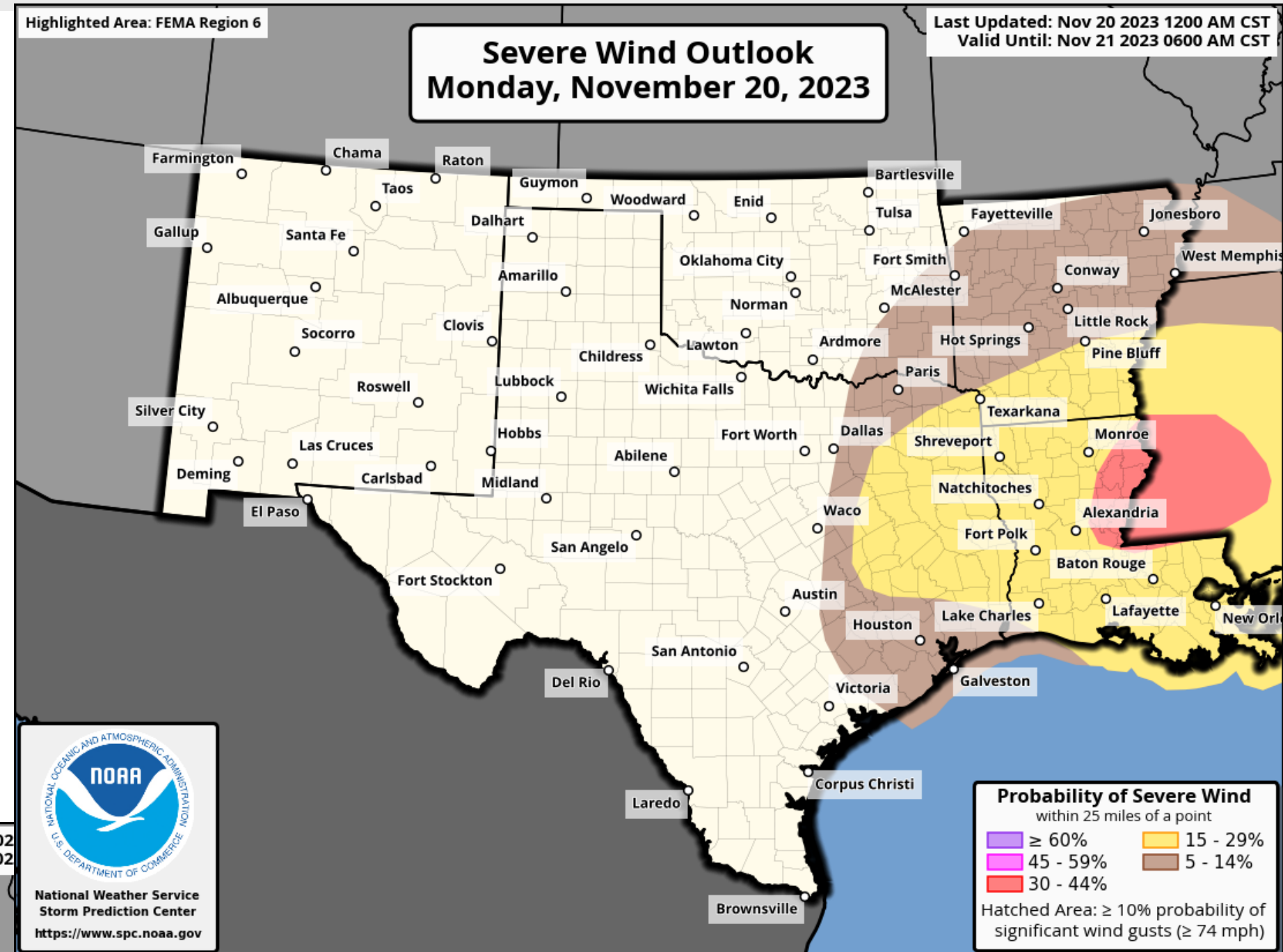
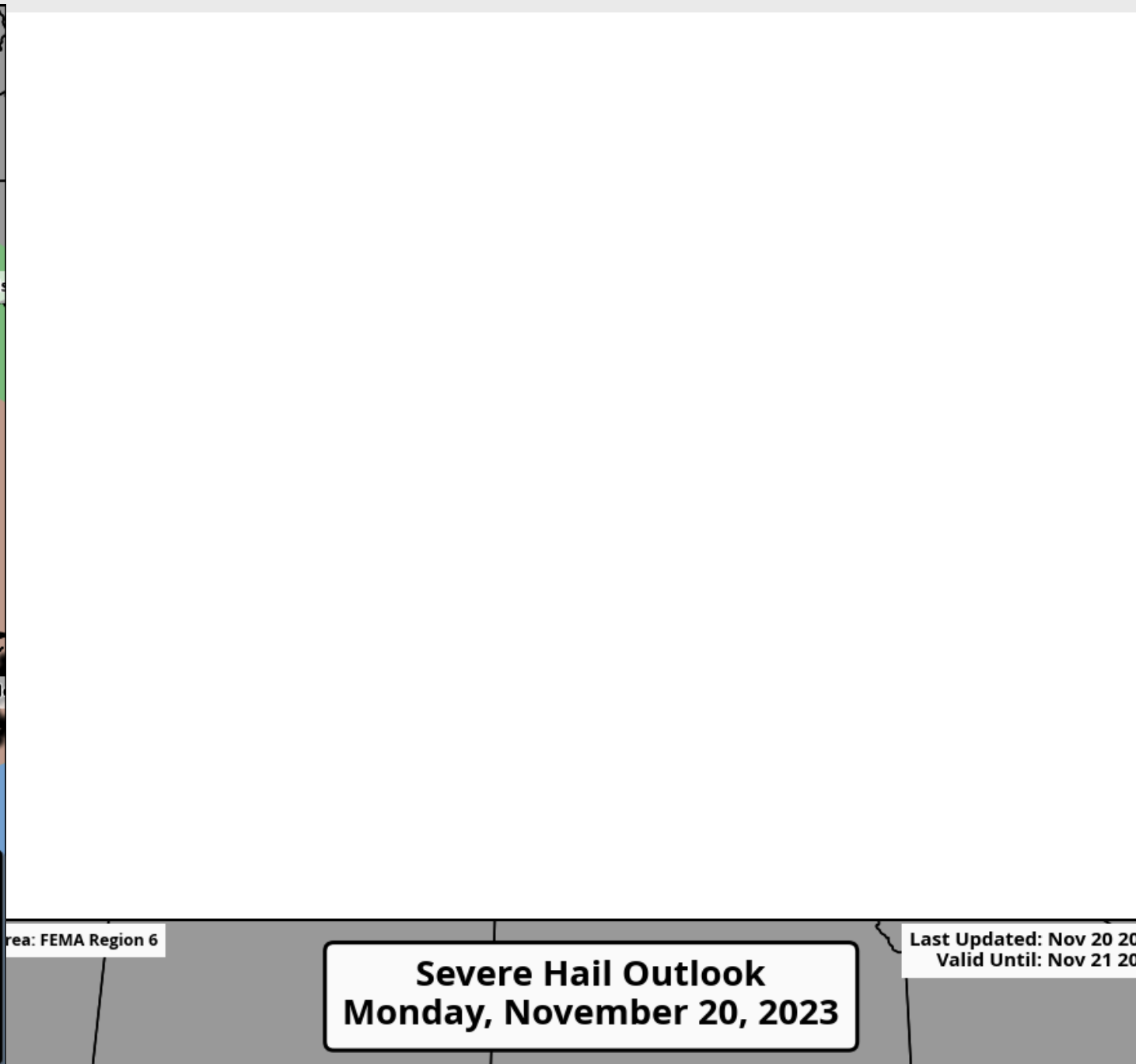
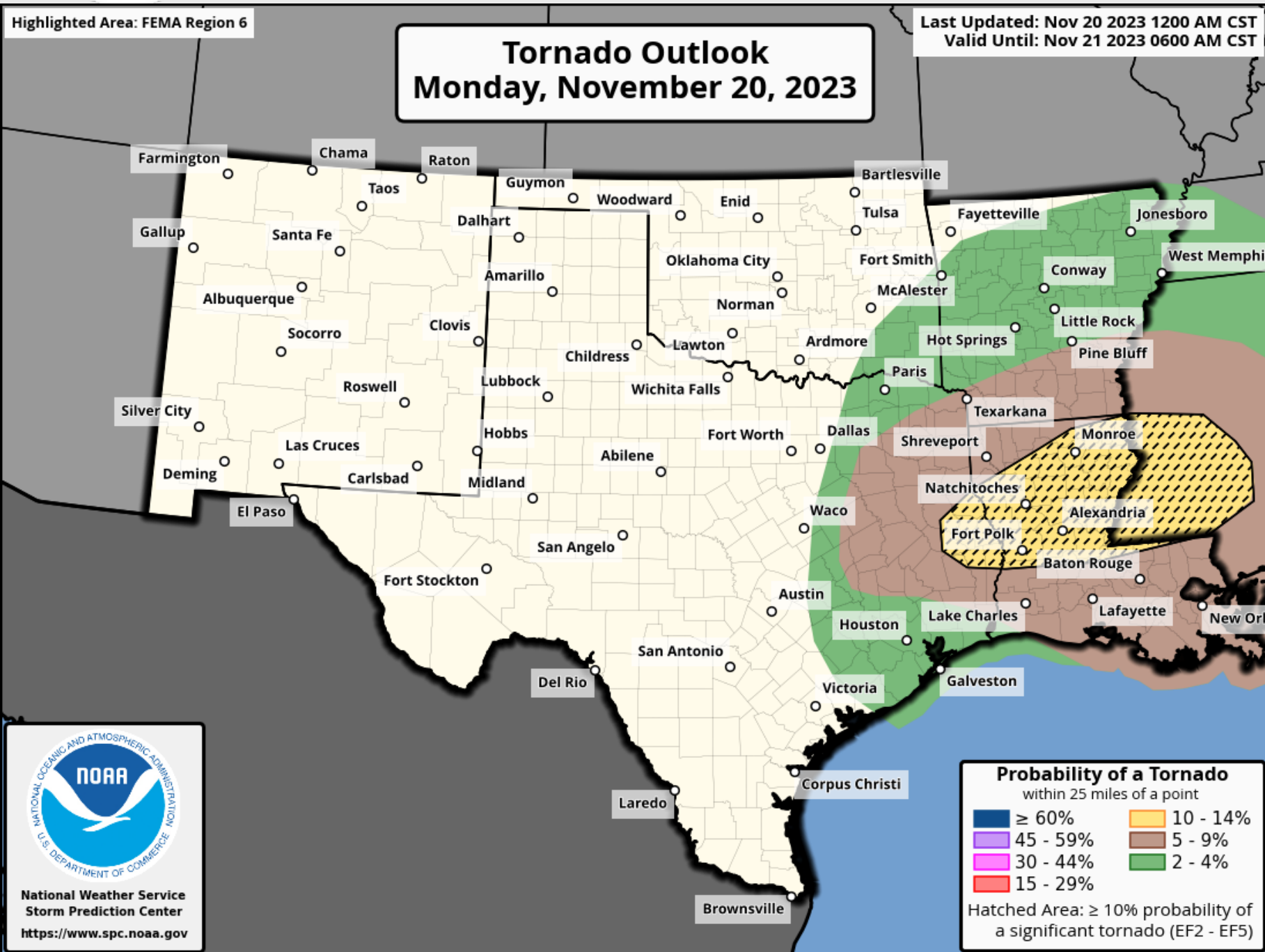


## Excessive Rainfall Outlook





# Today's Tornado & Severe Wind / Hail Probabilities

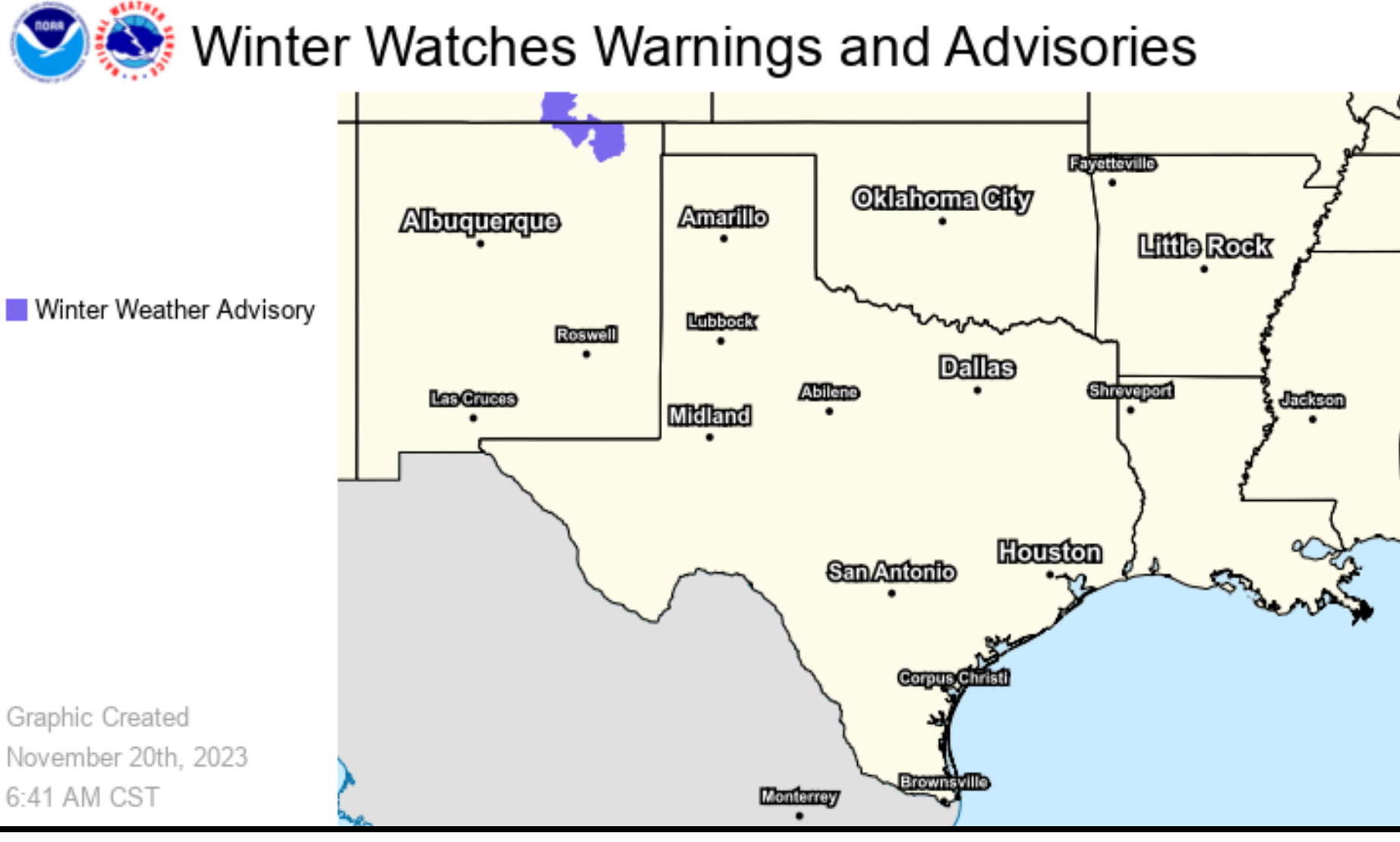
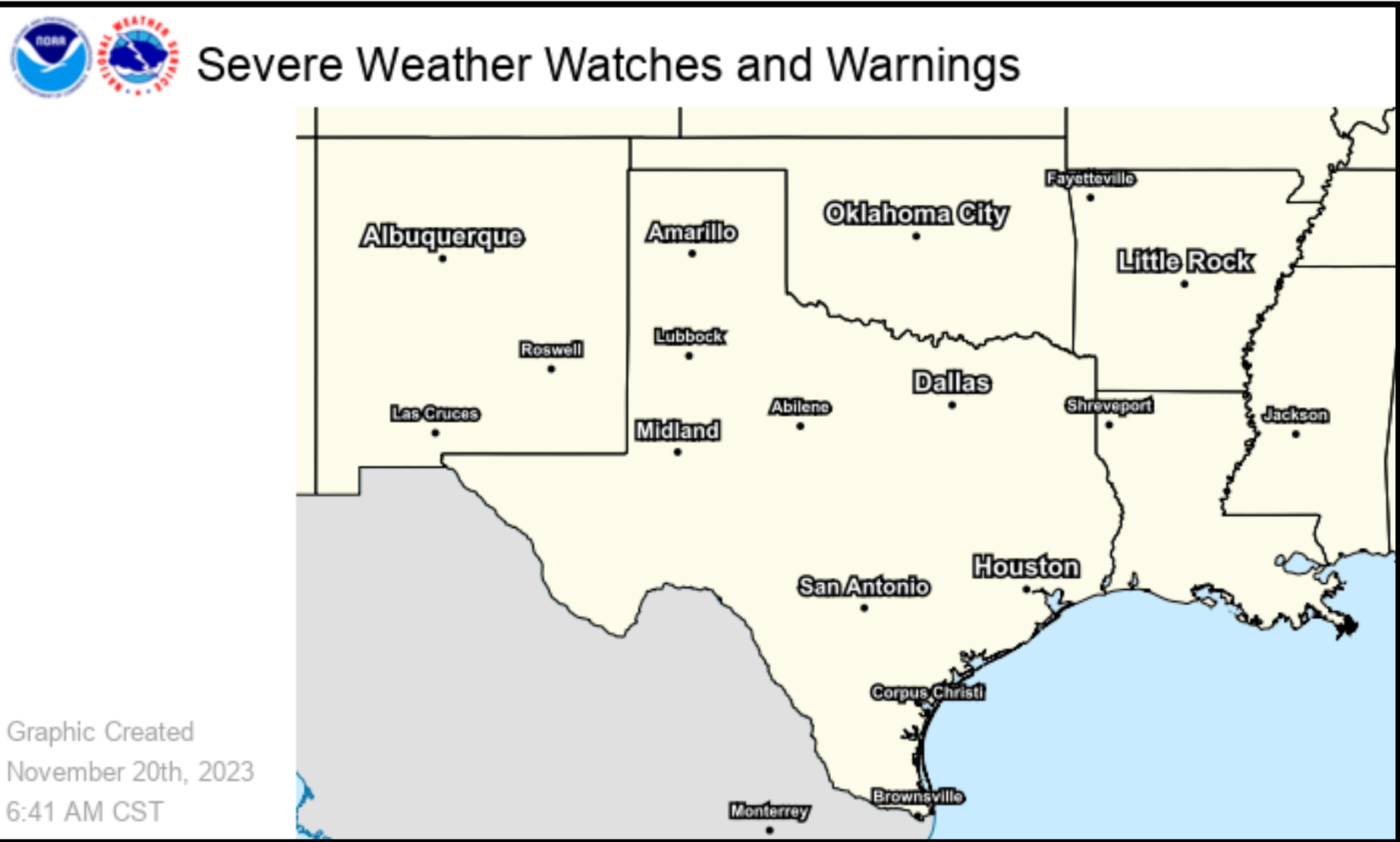
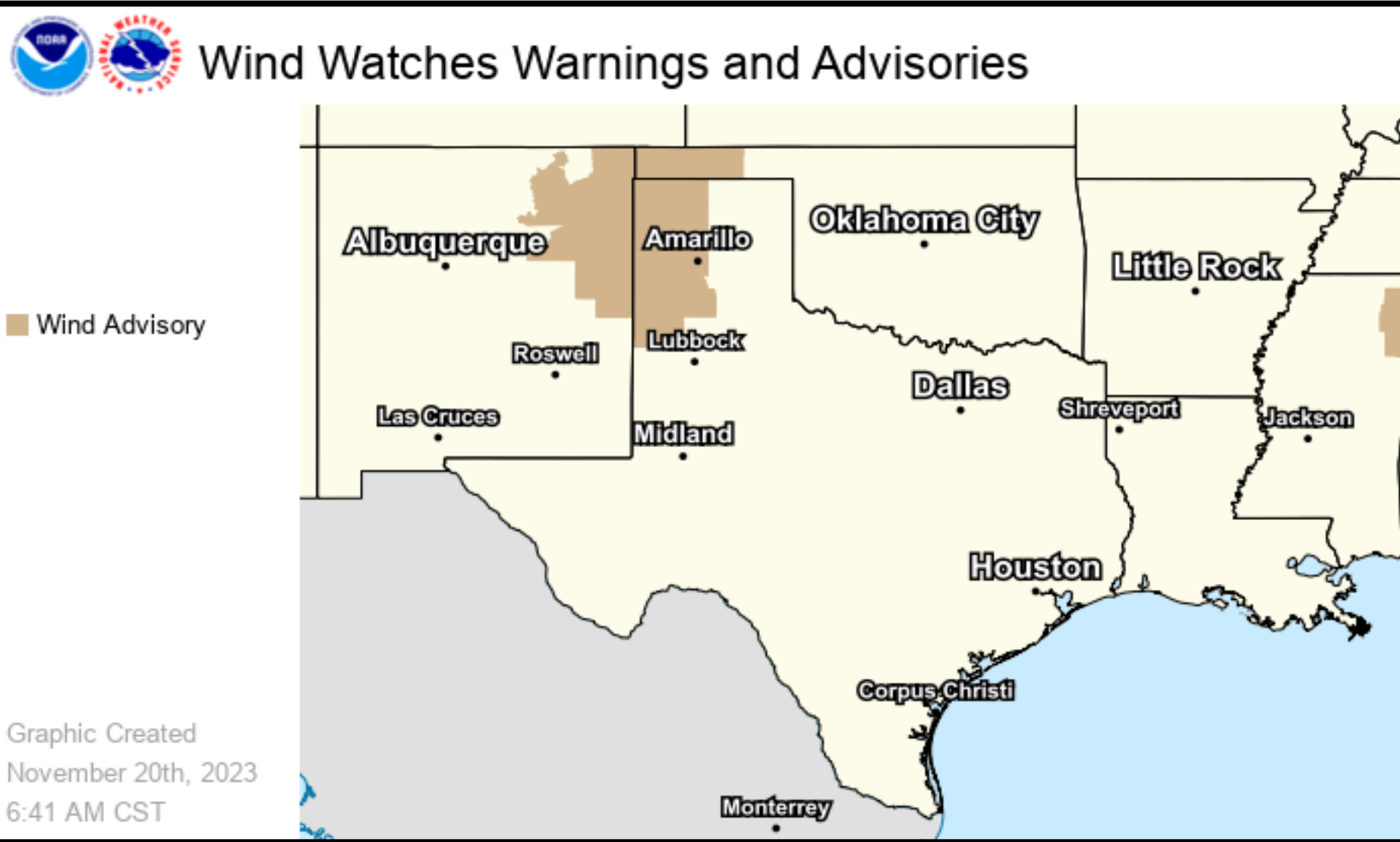




# Watches, Warnings, and Advisories

Wind, Severe, Winter, and Flood Hazards

**A Wind Advisory is in effect for NE NM and the TX Panhandle for gusts up to 55 MPH.**







# Winter Weather

Monday - Wednesday

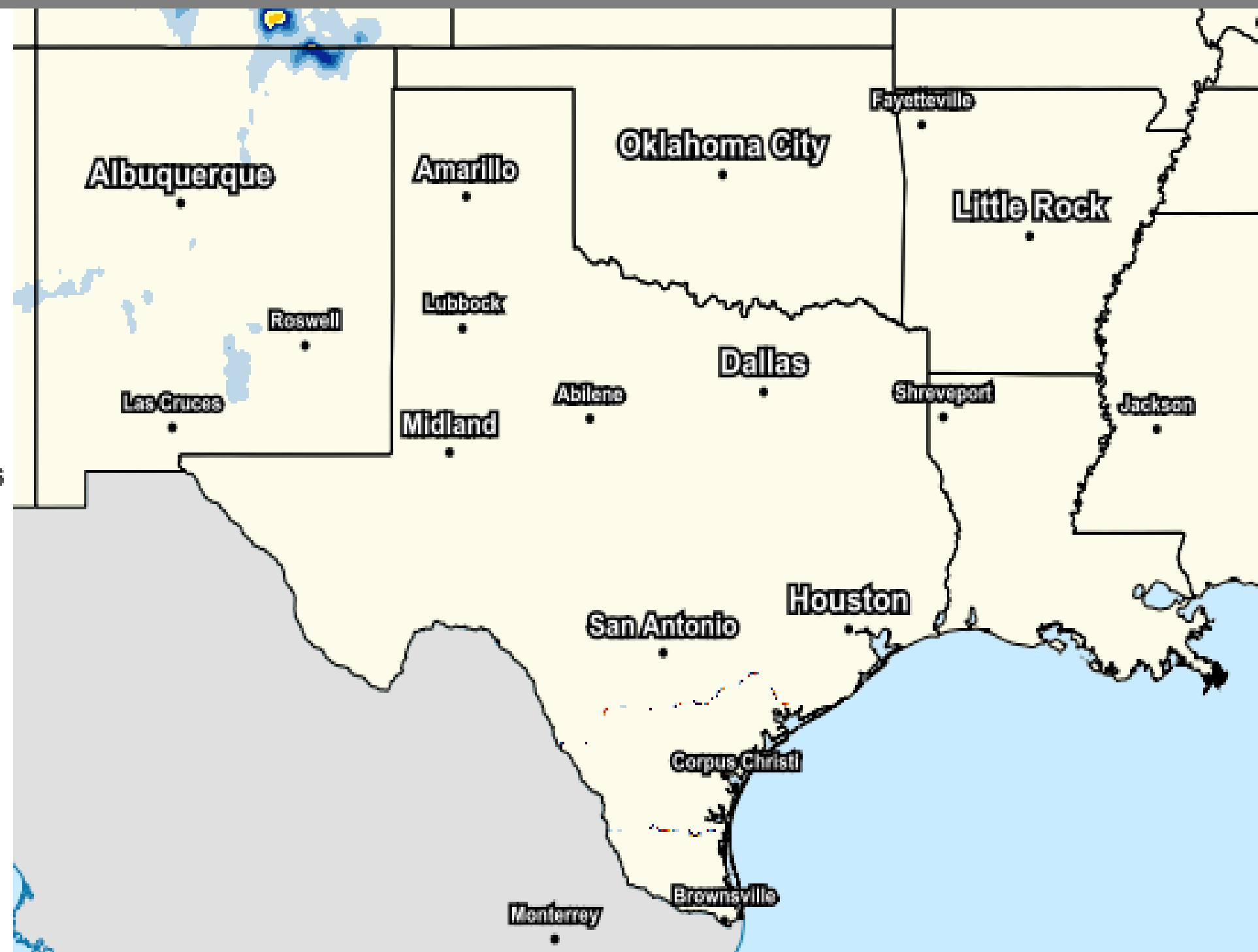
## Forecast Snow Amounts



### Forecast Snowfall

Valid Ending Thursday November 23rd, 2023 at 6 AM CST

- Less than an inch
- 1 to 2 inches
- 2 to 3 inches
- 3 to 4 inches
- 4 to 6 inches
- 6 to 8 inches
- 8 to 12 inches
- 12 to 18 inches
- 18 to 24 inches
- 24 to 30 inches
- 30 to 36 inches
- Greater than 36 inches



Graphic Created  
November 20th, 2023  
6:21 AM CST

## Forecast Ice Amounts



### Ice Accumulation Forecast

Valid Ending Thursday November 23rd, 2023 at 6 AM CST

- 0.01 to 0.10 inch
- 0.10 to 0.25 inch
- 0.25 to 0.50 inch
- 0.50 to 0.75 inch
- 0.75 to 1.0 inch
- 1.0 to 2.0 inch
- Greater than 2.0 inch

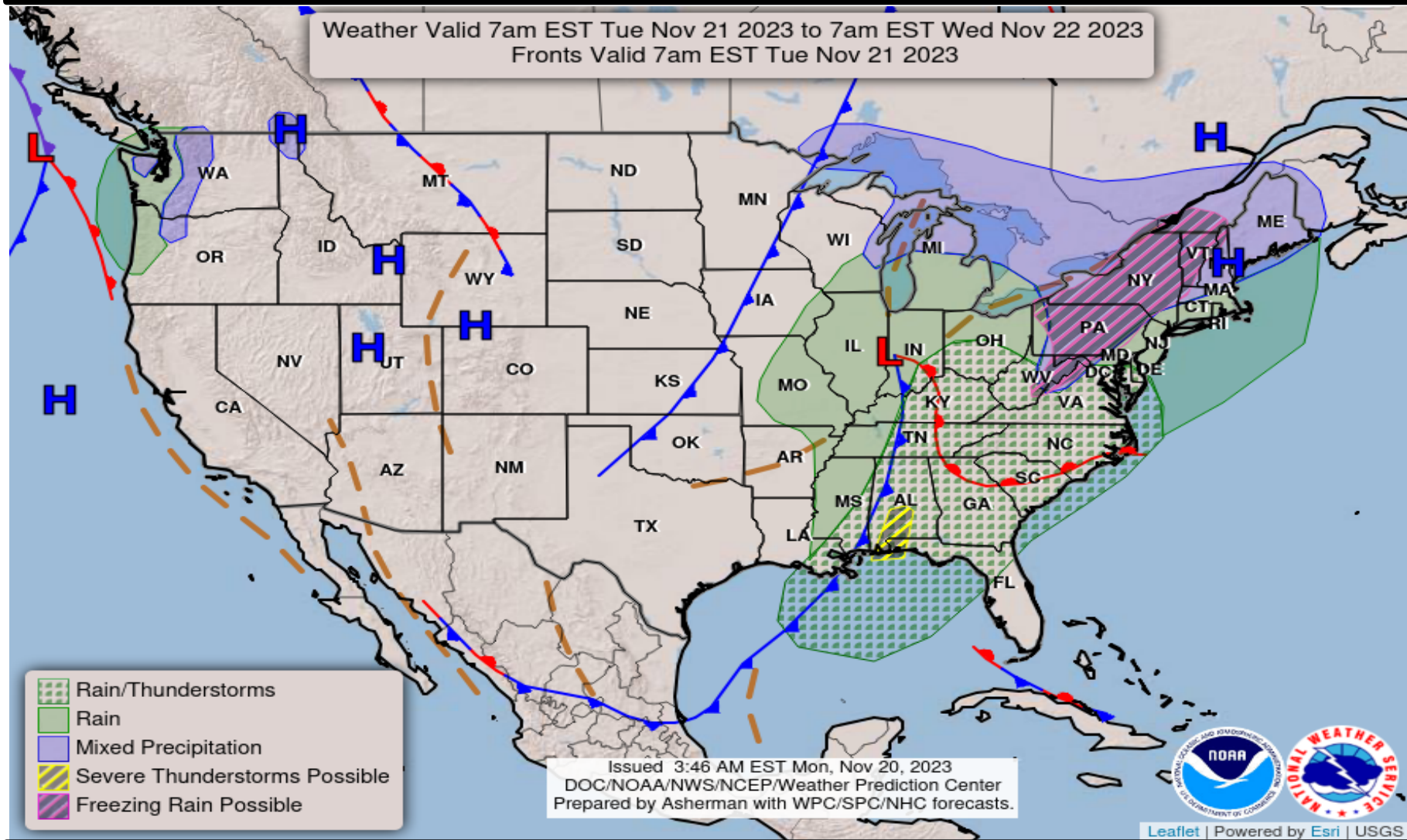


Graphic Created  
November 20th, 2023  
6:21 AM CST

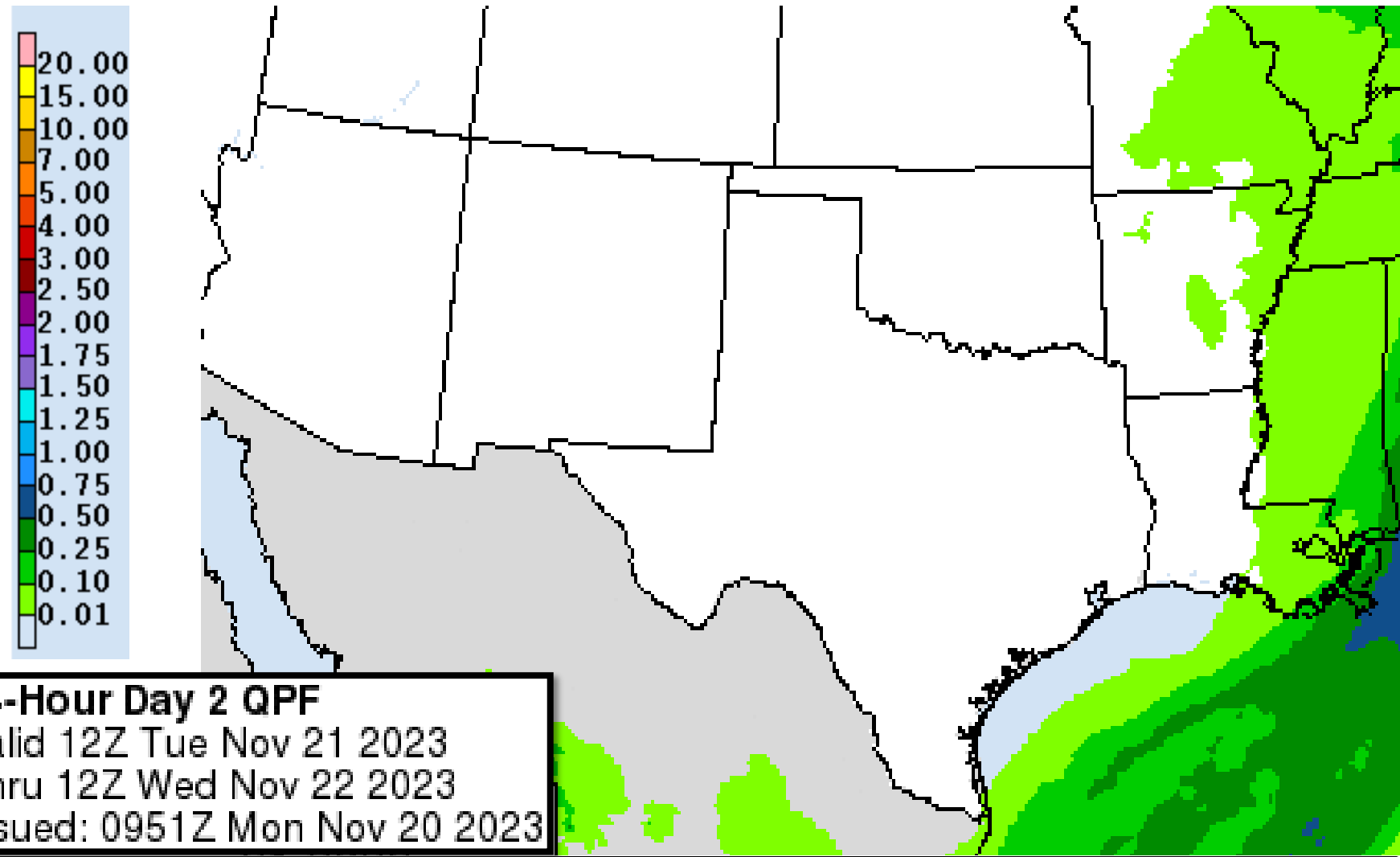


# Tomorrow's Weather

## Forecast Chart

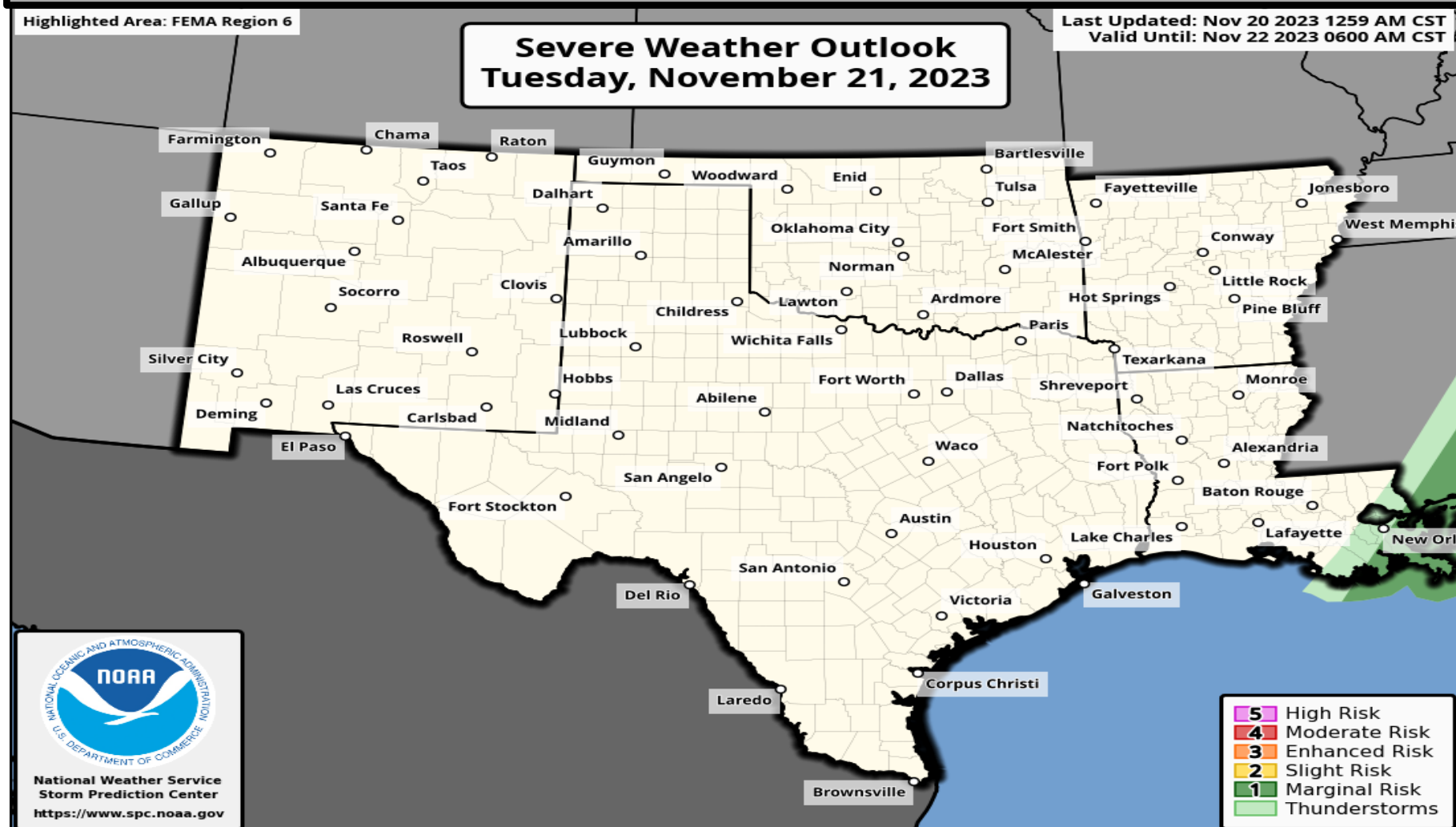


## Forecast Rainfall

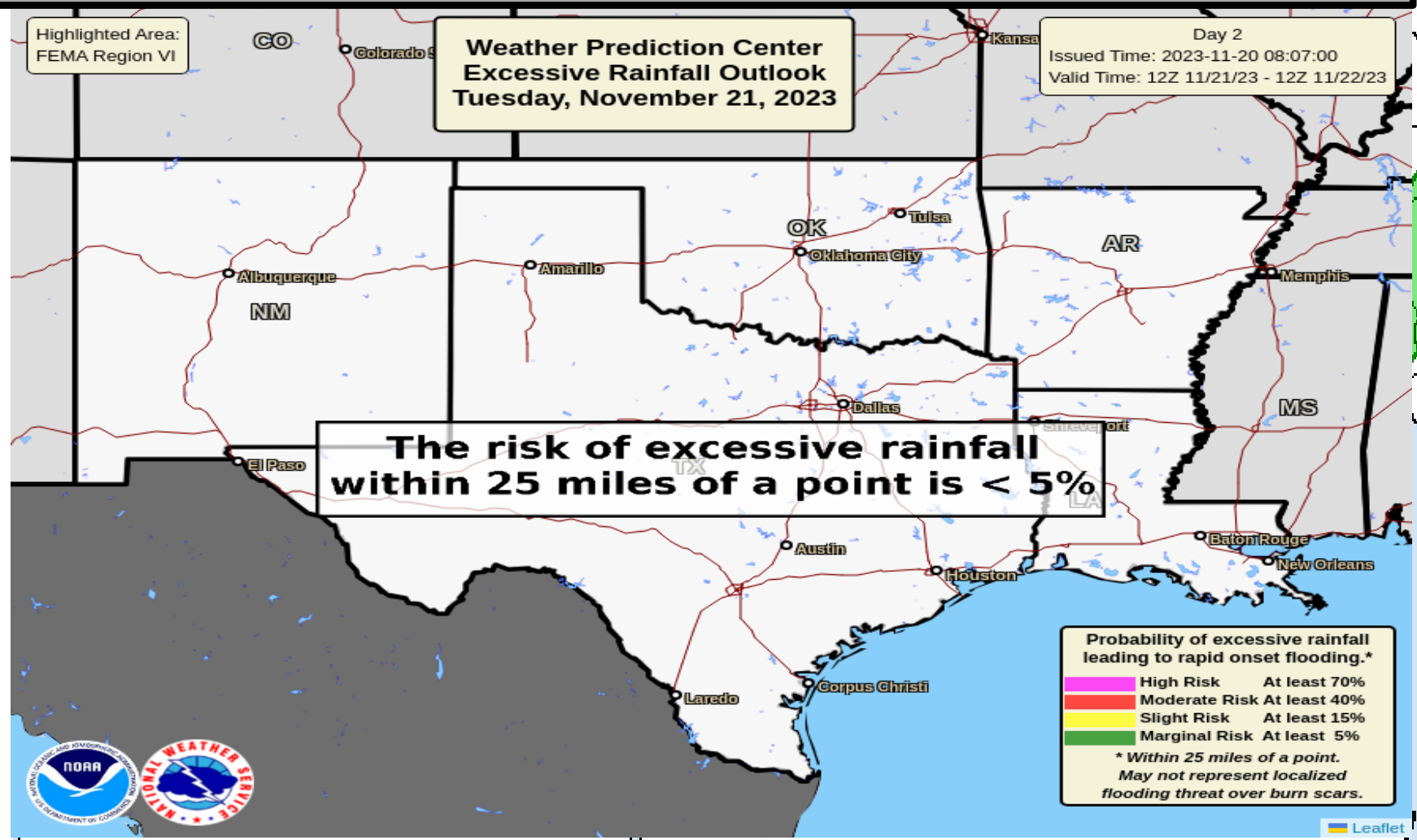


No significant weather expected.

## Severe Weather Outlook

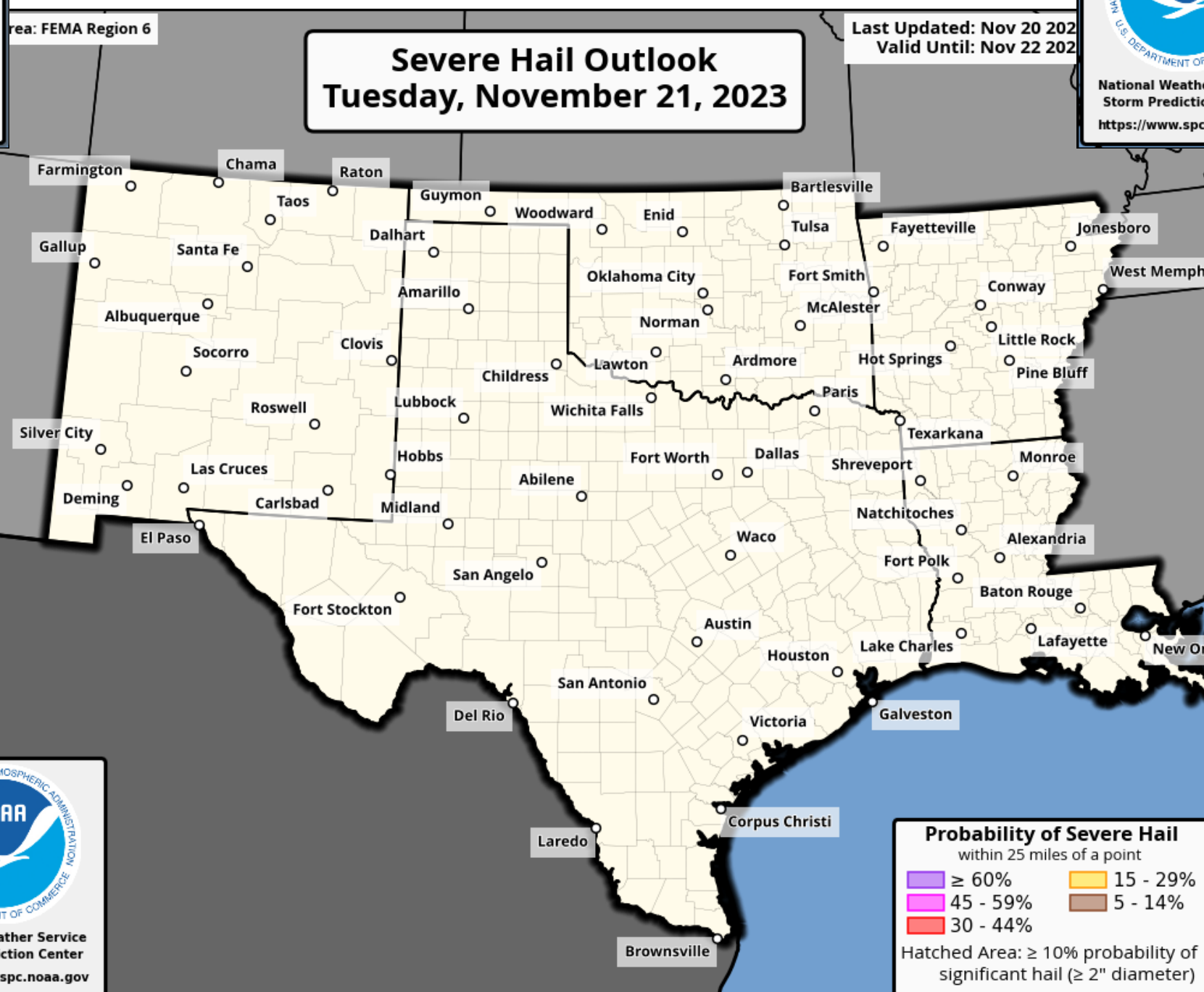
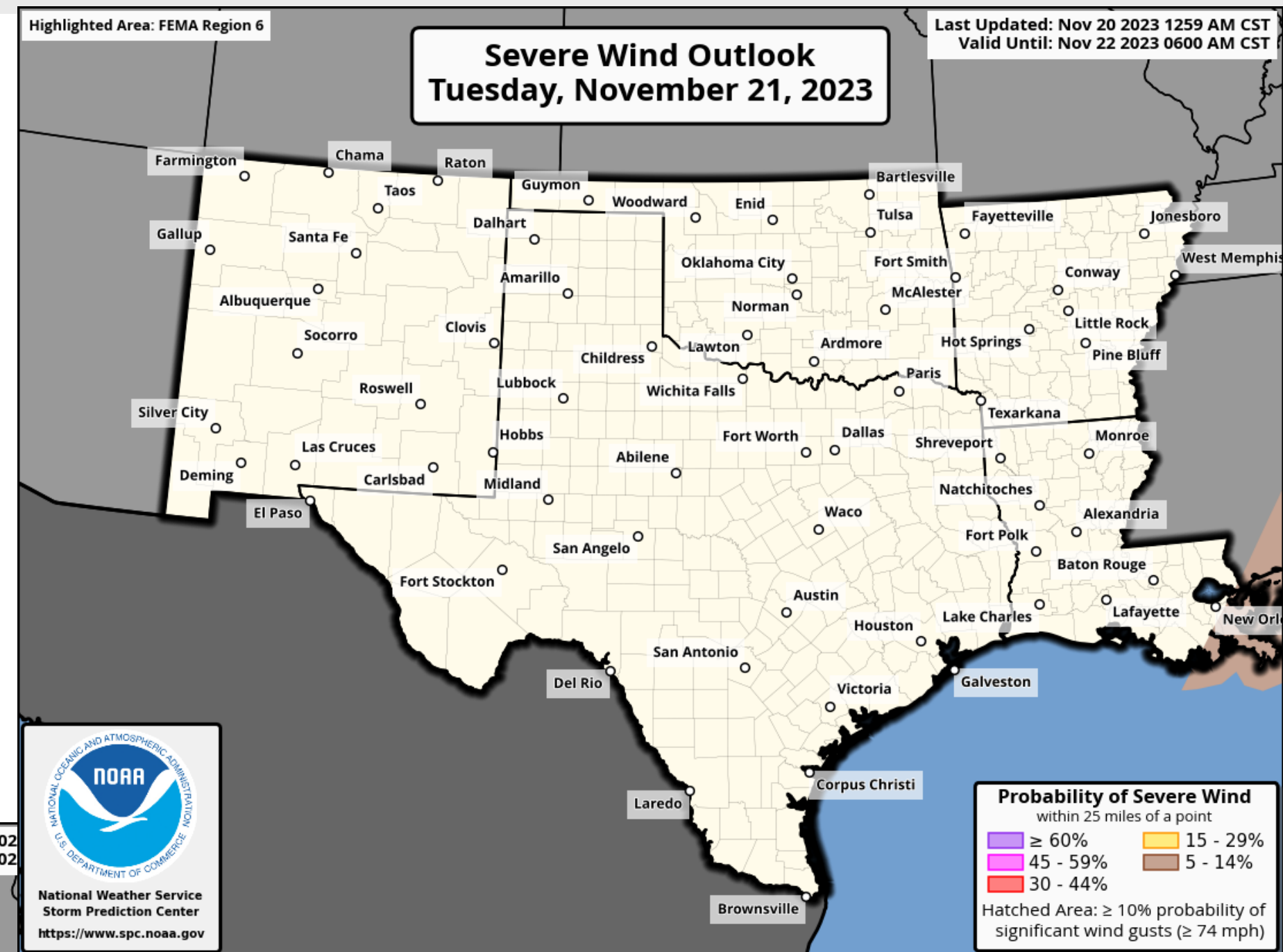
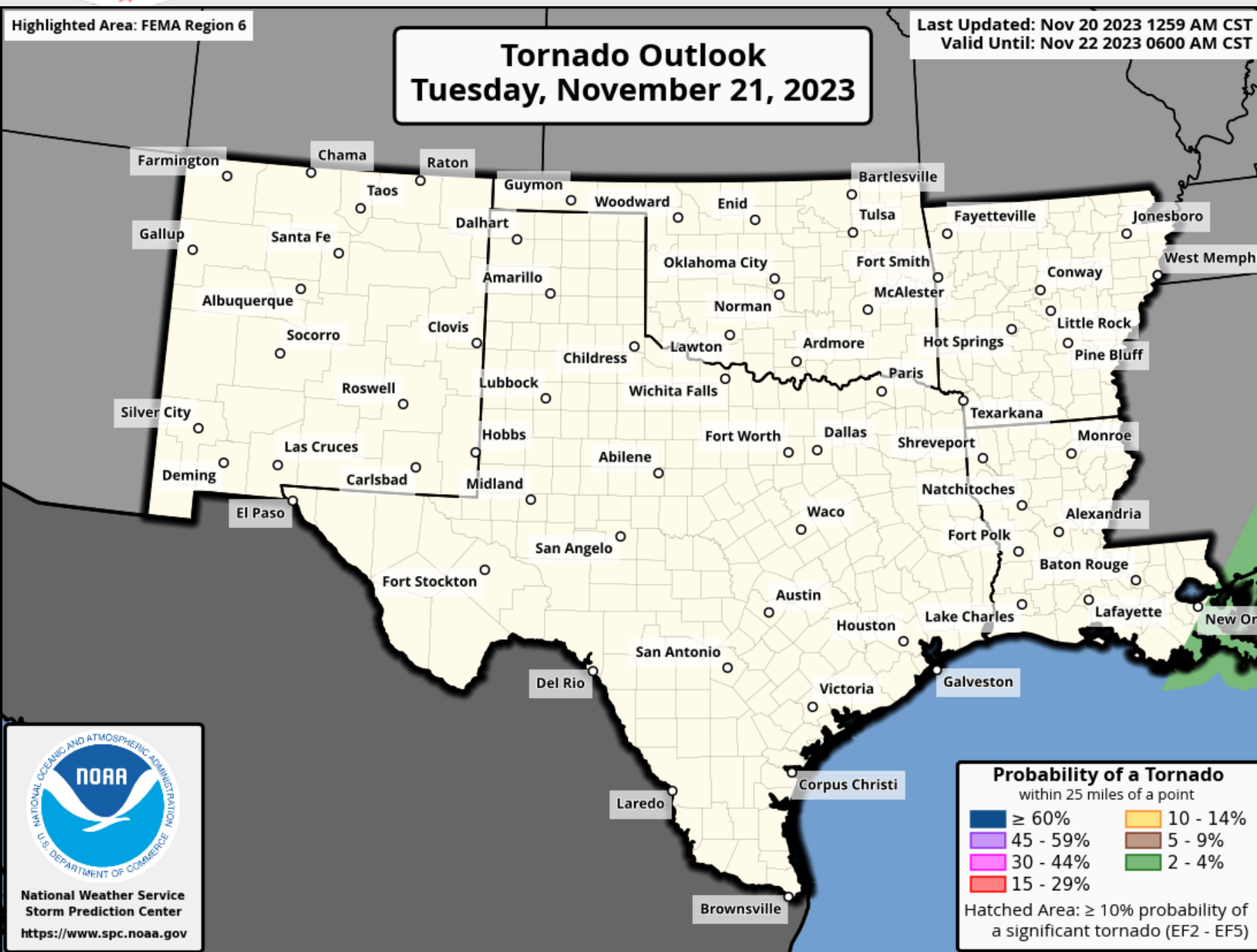


## Excessive Rainfall Outlook





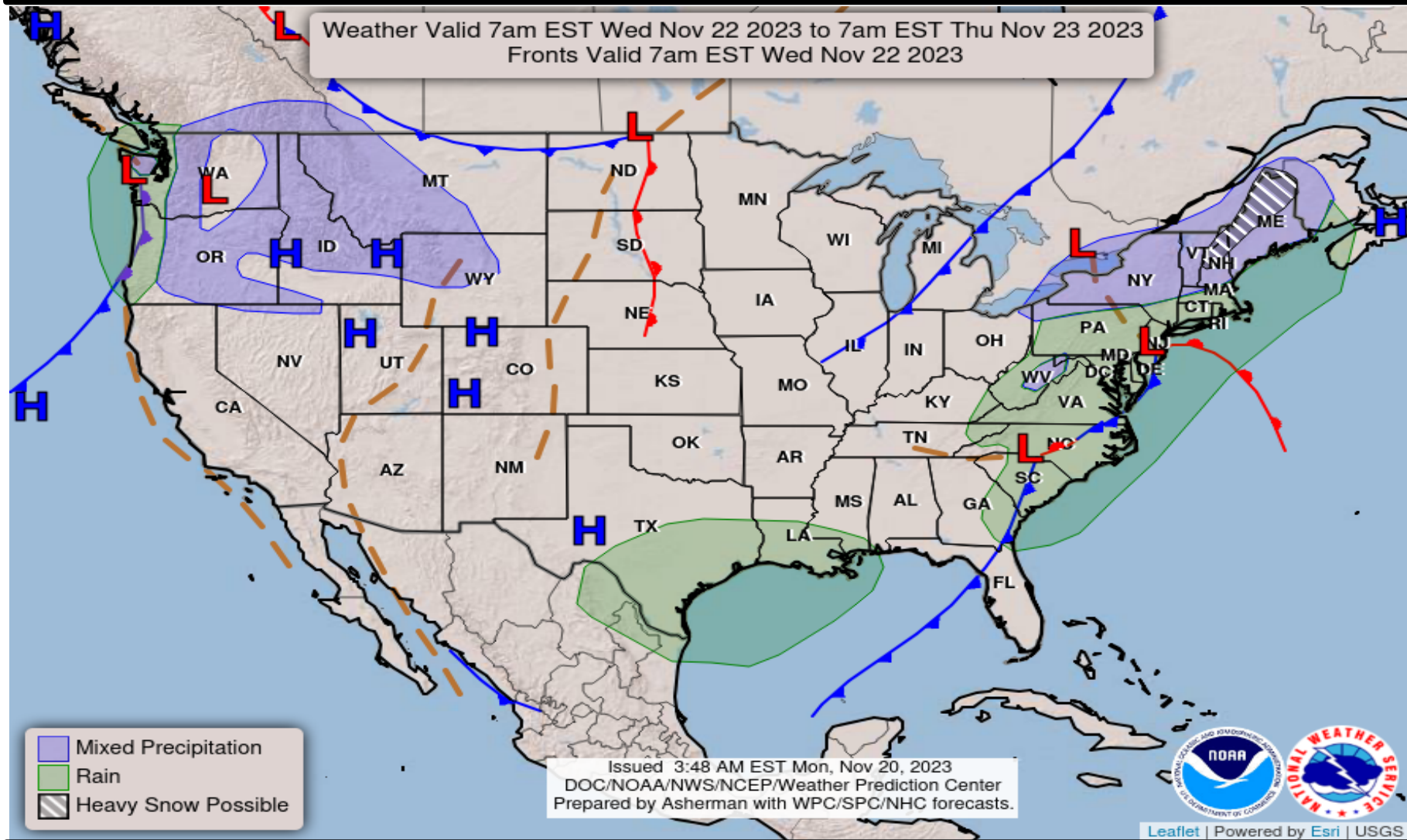
# Tomorrow's Tornado & Severe Wind / Hail Probabilities



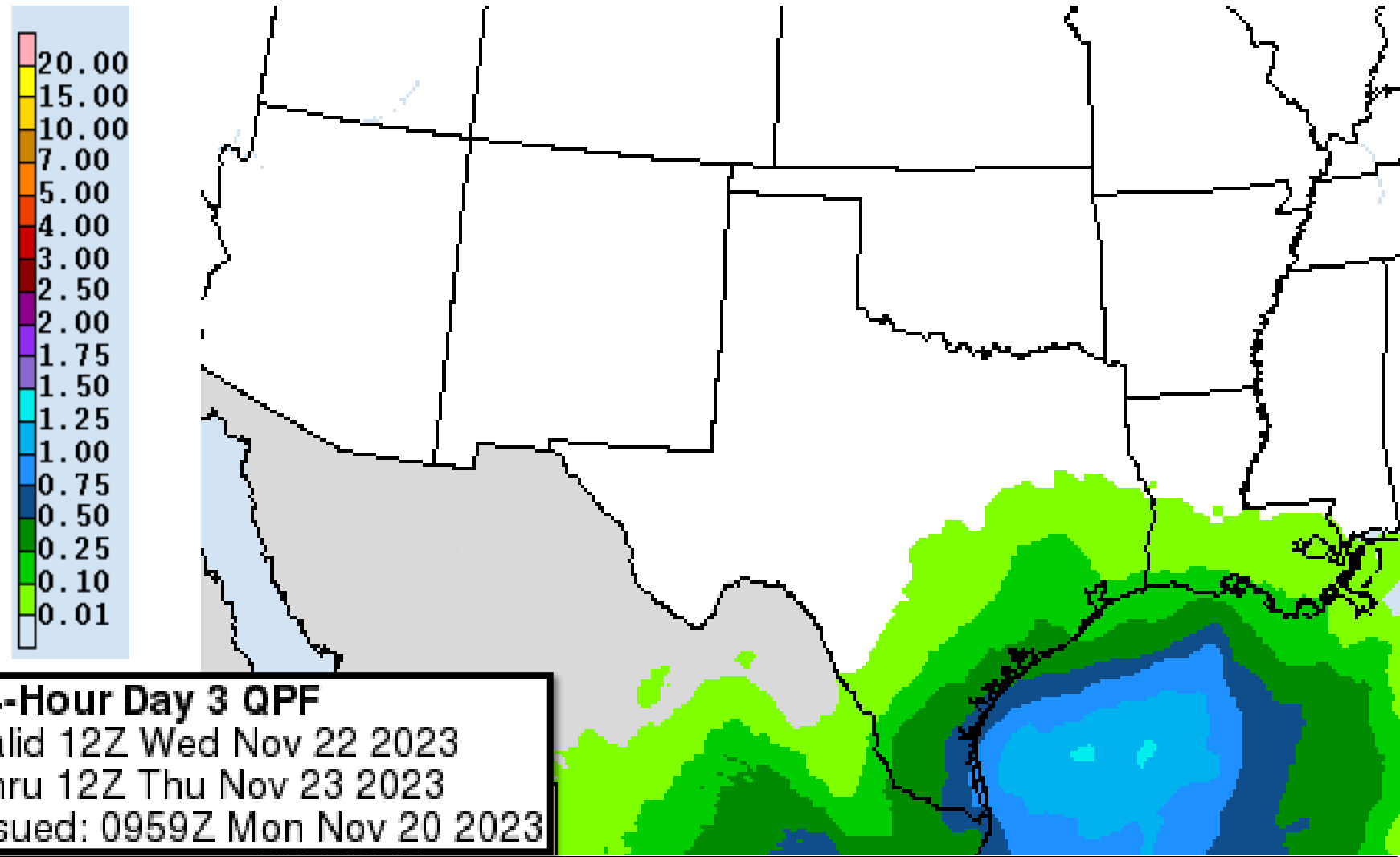


# Wednesday's Weather

## Forecast Chart

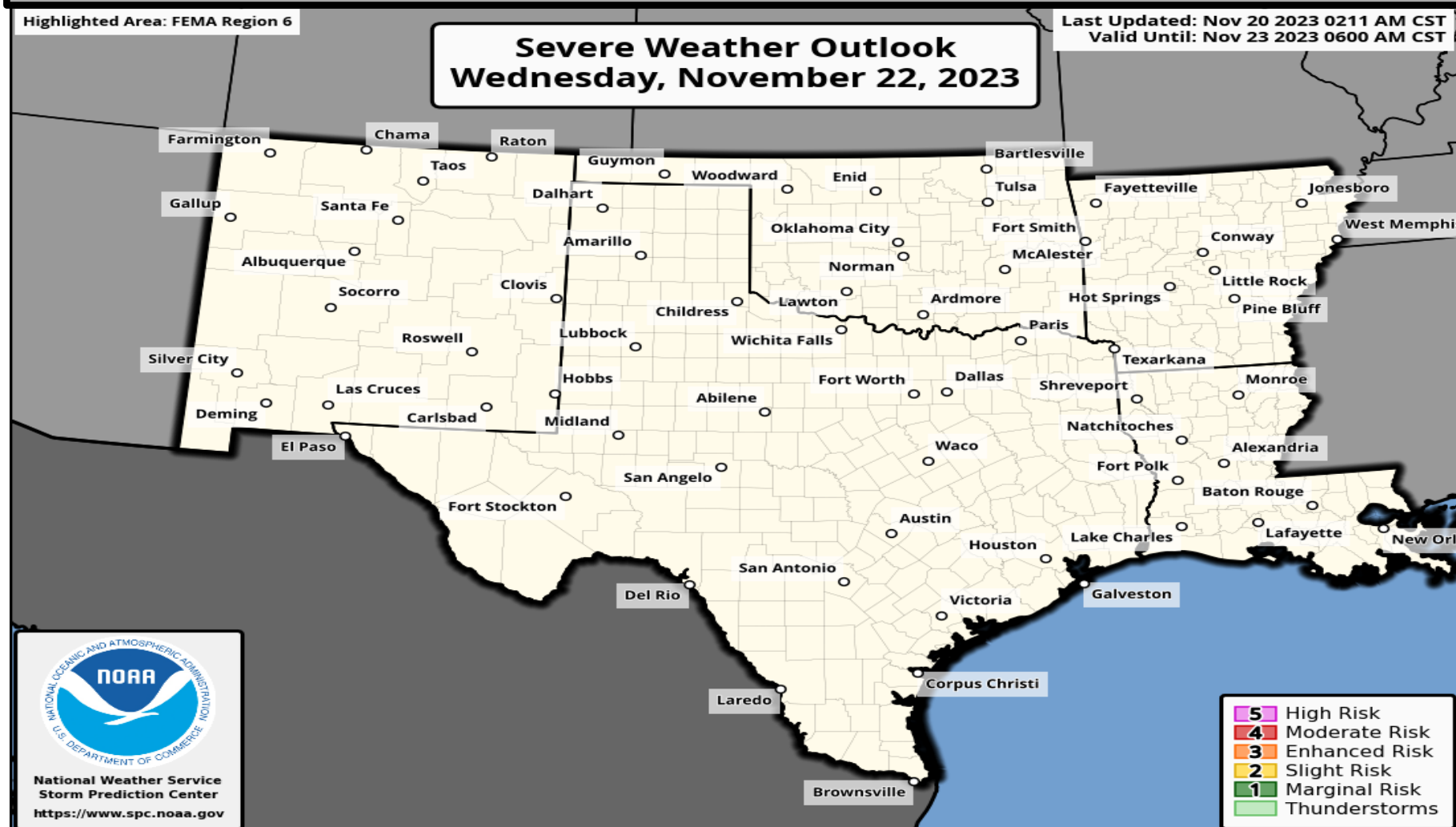


## Forecast Rainfall

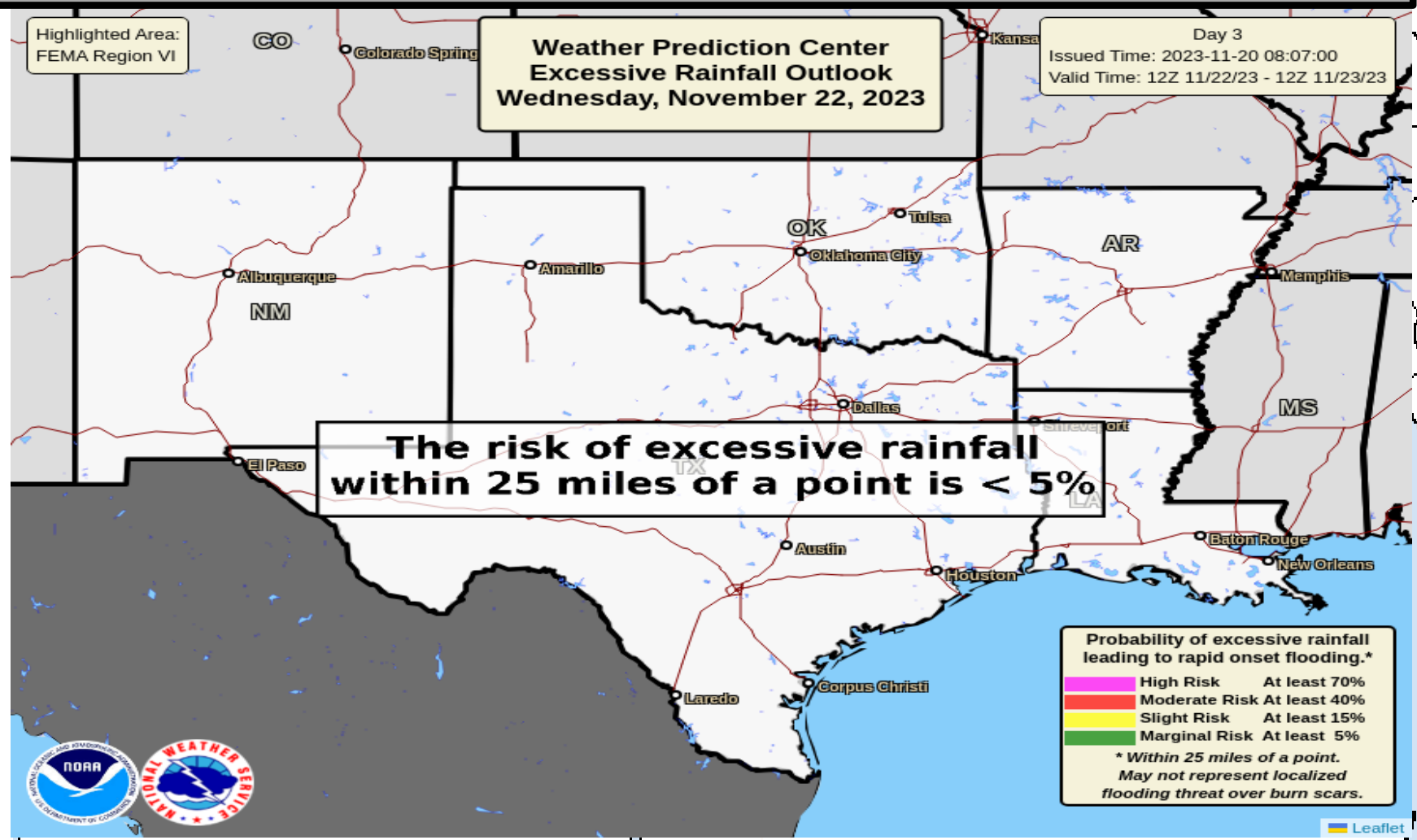


No significant weather expected.

## Severe Weather Outlook



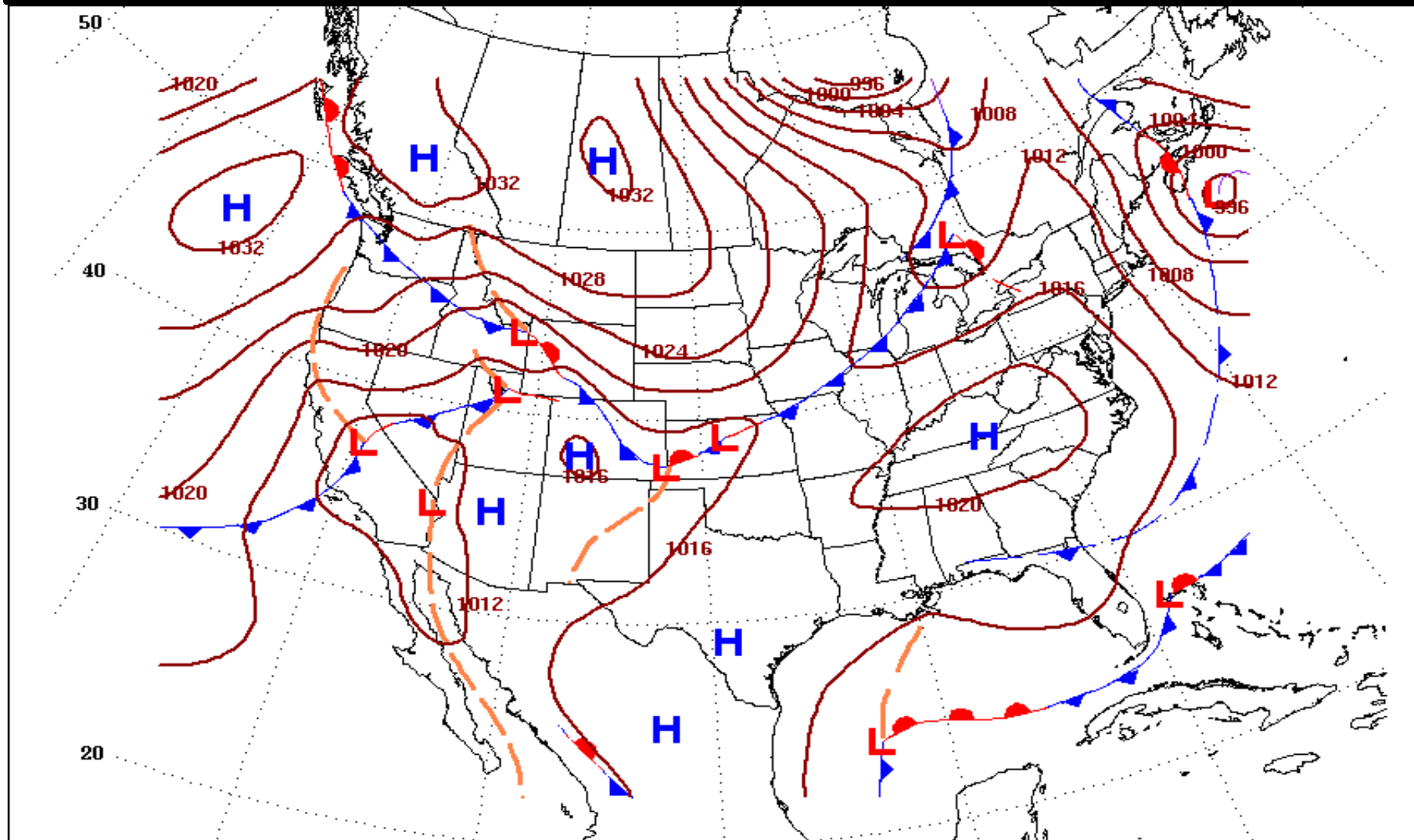
## Excessive Rainfall Outlook



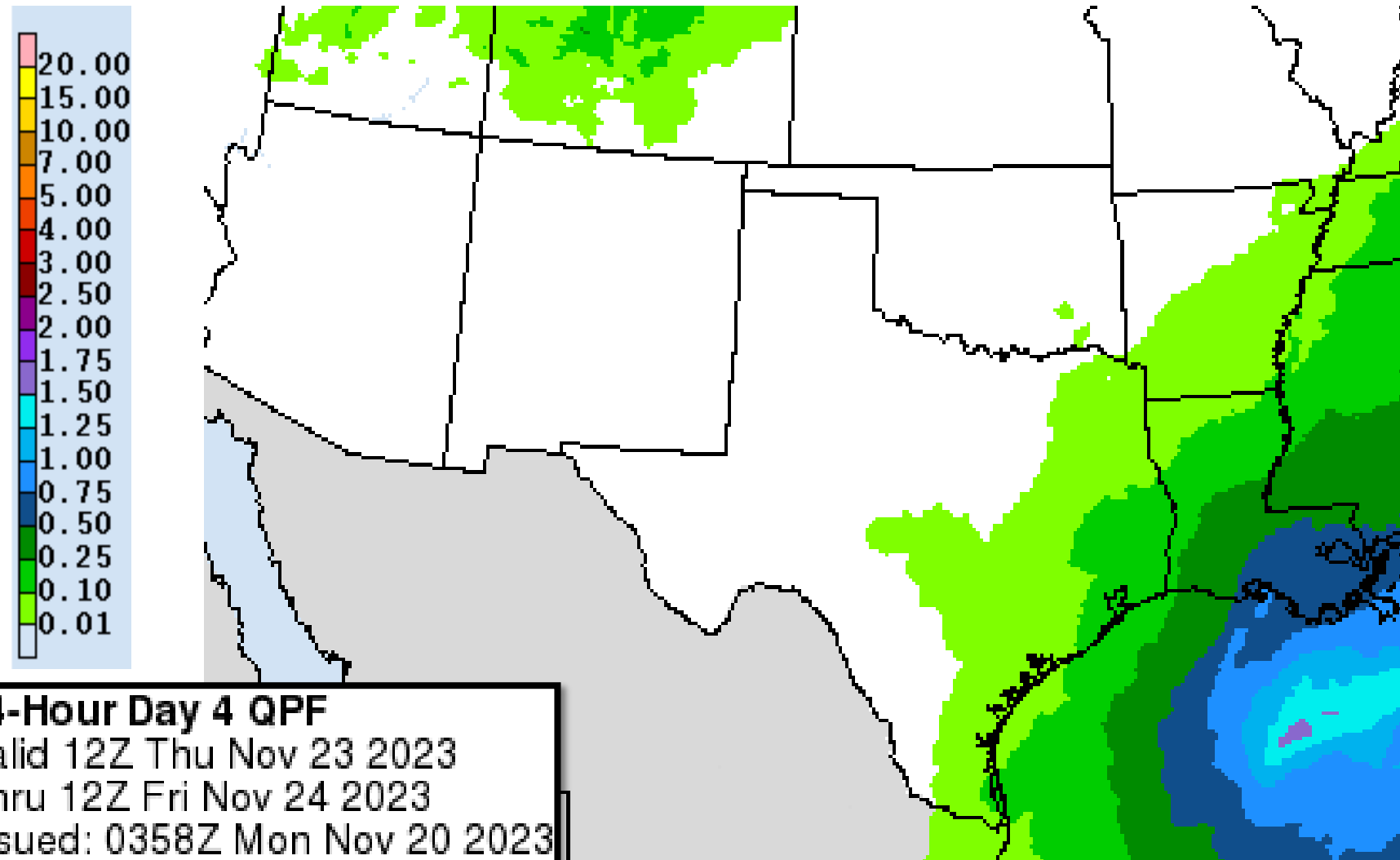


# Thursday's Weather

## Forecast Chart



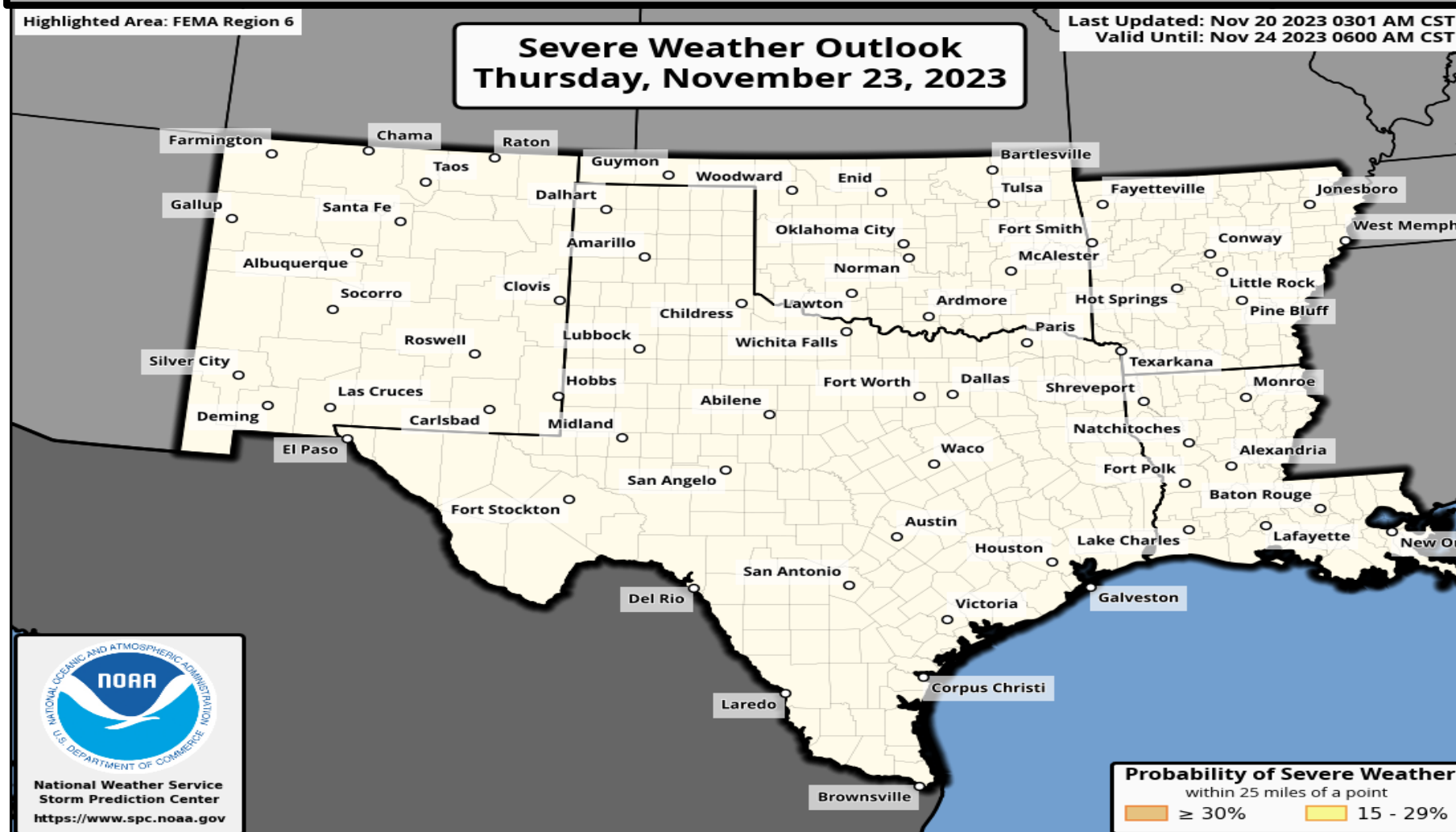
## Forecast Rainfall



No significant weather expected.

24-Hour Day 4 QPF  
Valid 12Z Thu Nov 23 2023  
Thru 12Z Fri Nov 24 2023  
Issued: 0358Z Mon Nov 20 2023

## Severe Weather Outlook



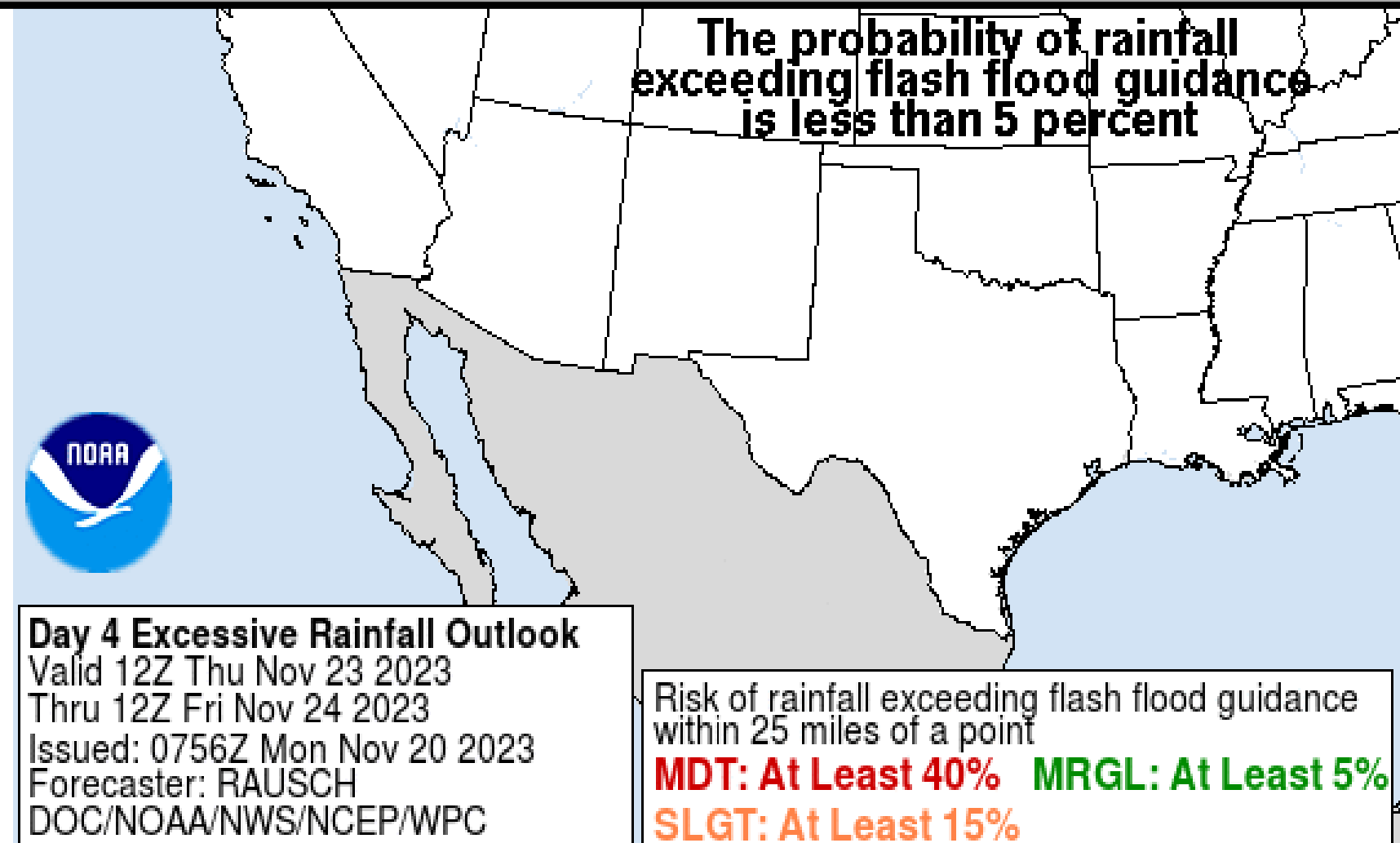
Severe Weather Outlook  
Thursday, November 23, 2023

Last Updated: Nov 20 2023 0301 AM CST  
Valid Until: Nov 24 2023 0600 AM CST



Probability of Severe Weather  
within 25 miles of a point  
Orange:  $\geq 30\%$  Yellow: 15 - 29%

## Excessive Rainfall Outlook



The probability of rainfall  
exceeding flash flood guidance  
is less than 5 percent

Day 4 Excessive Rainfall Outlook  
Valid 12Z Thu Nov 23 2023  
Thru 12Z Fri Nov 24 2023  
Issued: 0756Z Mon Nov 20 2023  
Forecaster: RAUSCH  
DOC/NOAA/NWS/NCEP/WPC

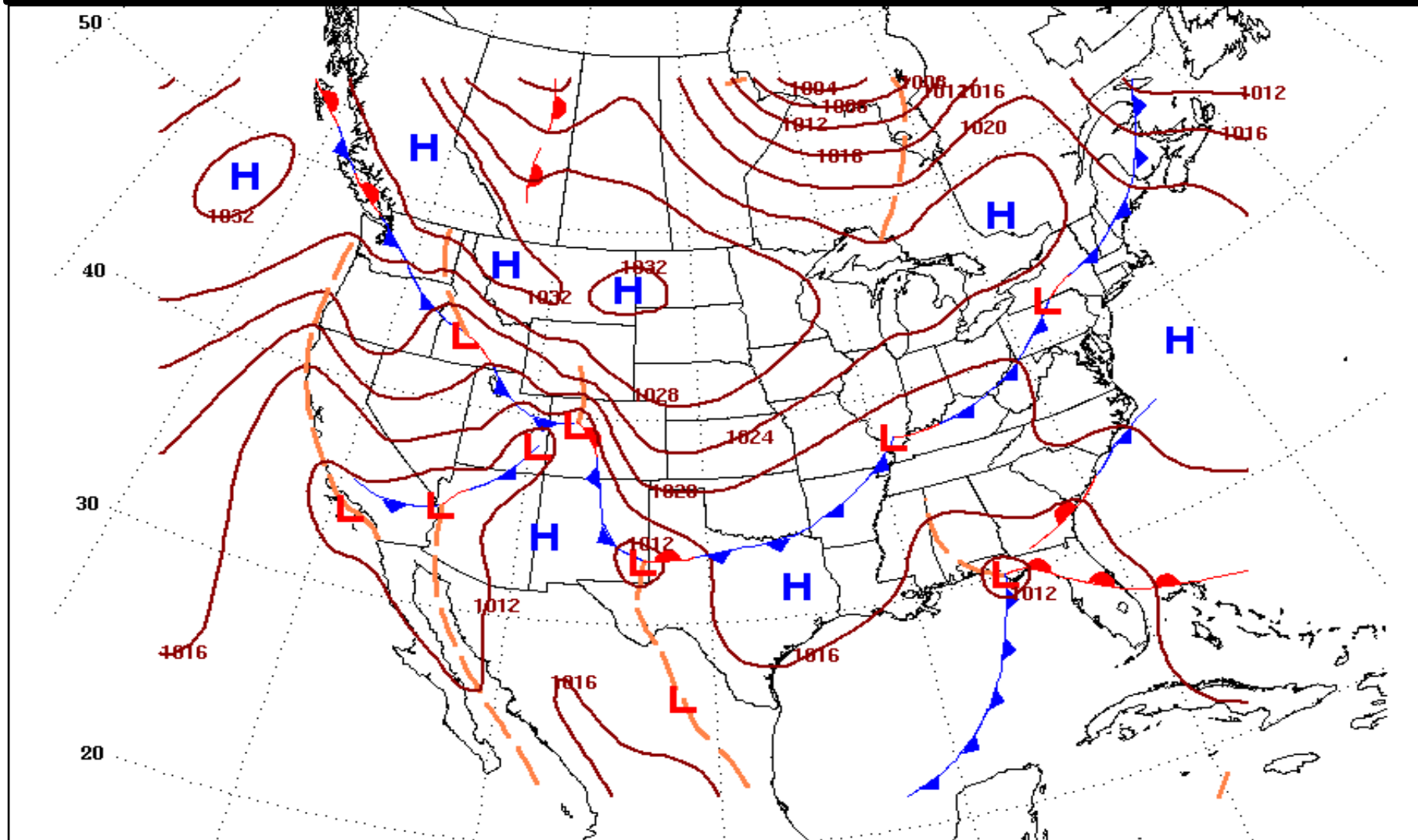
Risk of rainfall exceeding flash flood guidance  
within 25 miles of a point  
MDT: At Least 40% MRGL: At Least 5%  
SLGT: At Least 15%



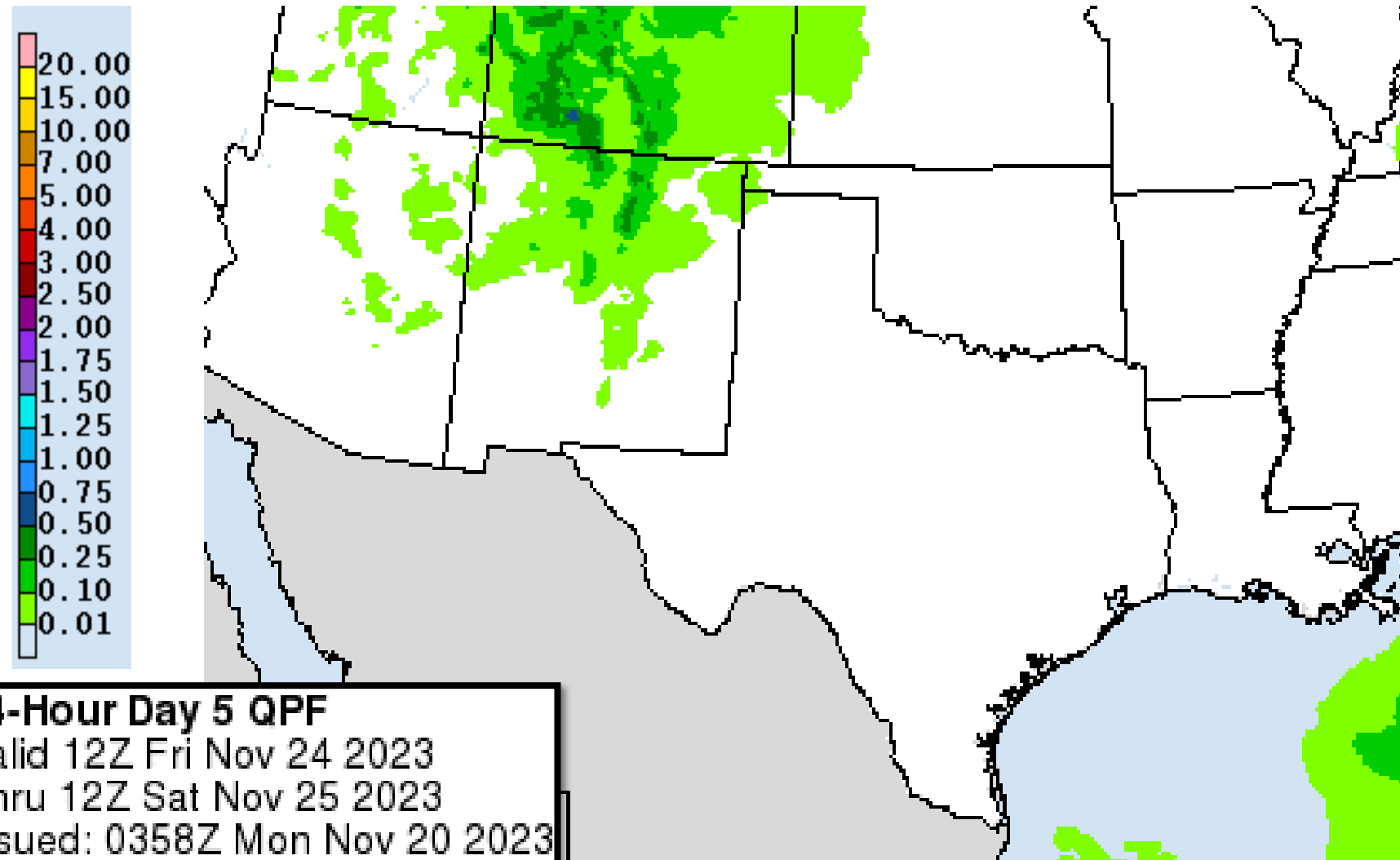


# Friday's Weather

## Forecast Chart



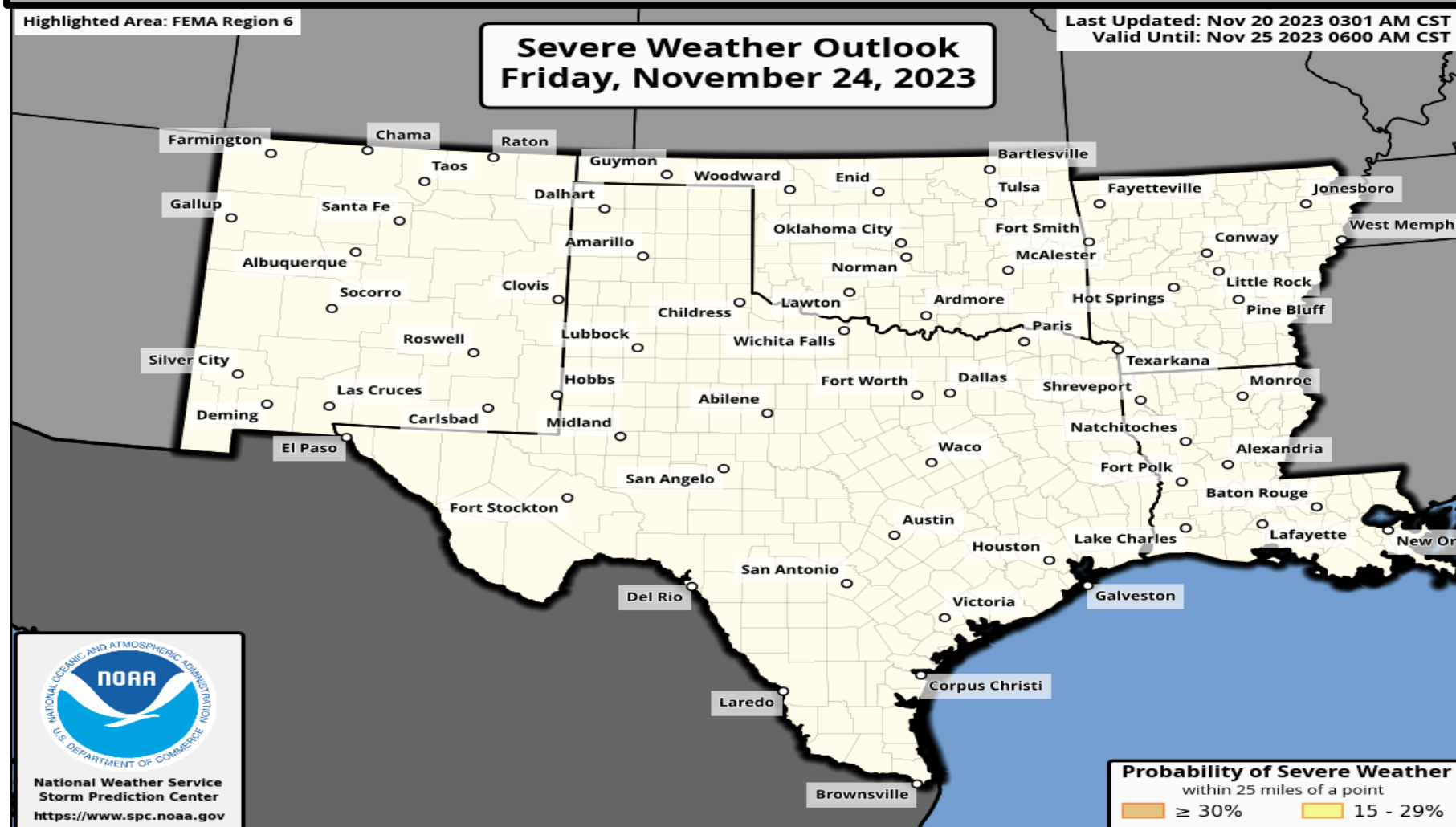
## Forecast Rainfall



Monitoring for possibility of light snow over the TX Panhandle late Friday

24-Hour Day 5 QPF  
Valid 12Z Fri Nov 24 2023  
Thru 12Z Sat Nov 25 2023  
Issued: 0358Z Mon Nov 20 2023

## Severe Weather Outlook



Highlighted Area: FEMA Region 6

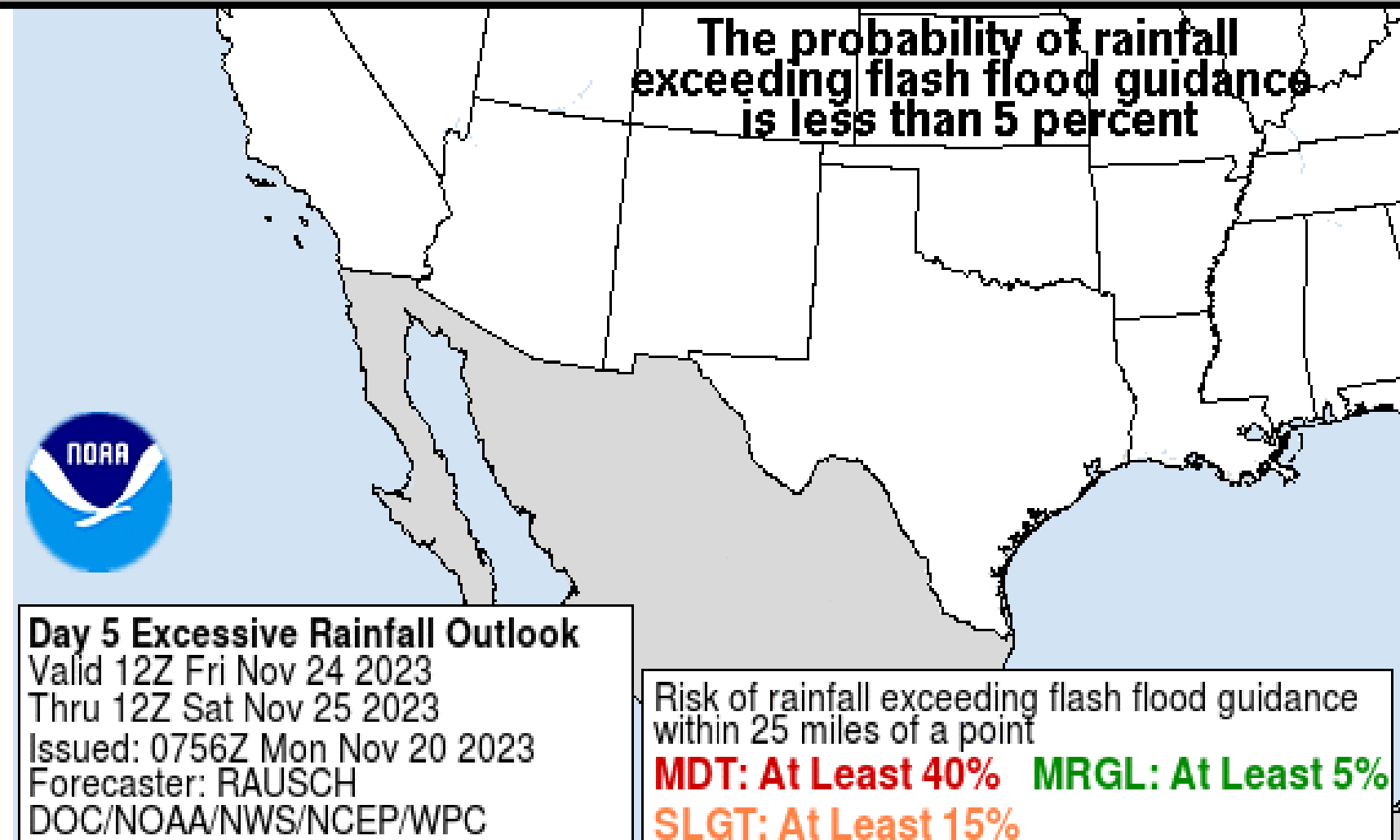
Severe Weather Outlook  
Friday, November 24, 2023

Last Updated: Nov 20 2023 0301 AM CST  
Valid Until: Nov 25 2023 0600 AM CST



Probability of Severe Weather  
within 25 miles of a point  
≥ 30% 15 - 29%

## Excessive Rainfall Outlook



The probability of rainfall exceeding flash flood guidance is less than 5 percent



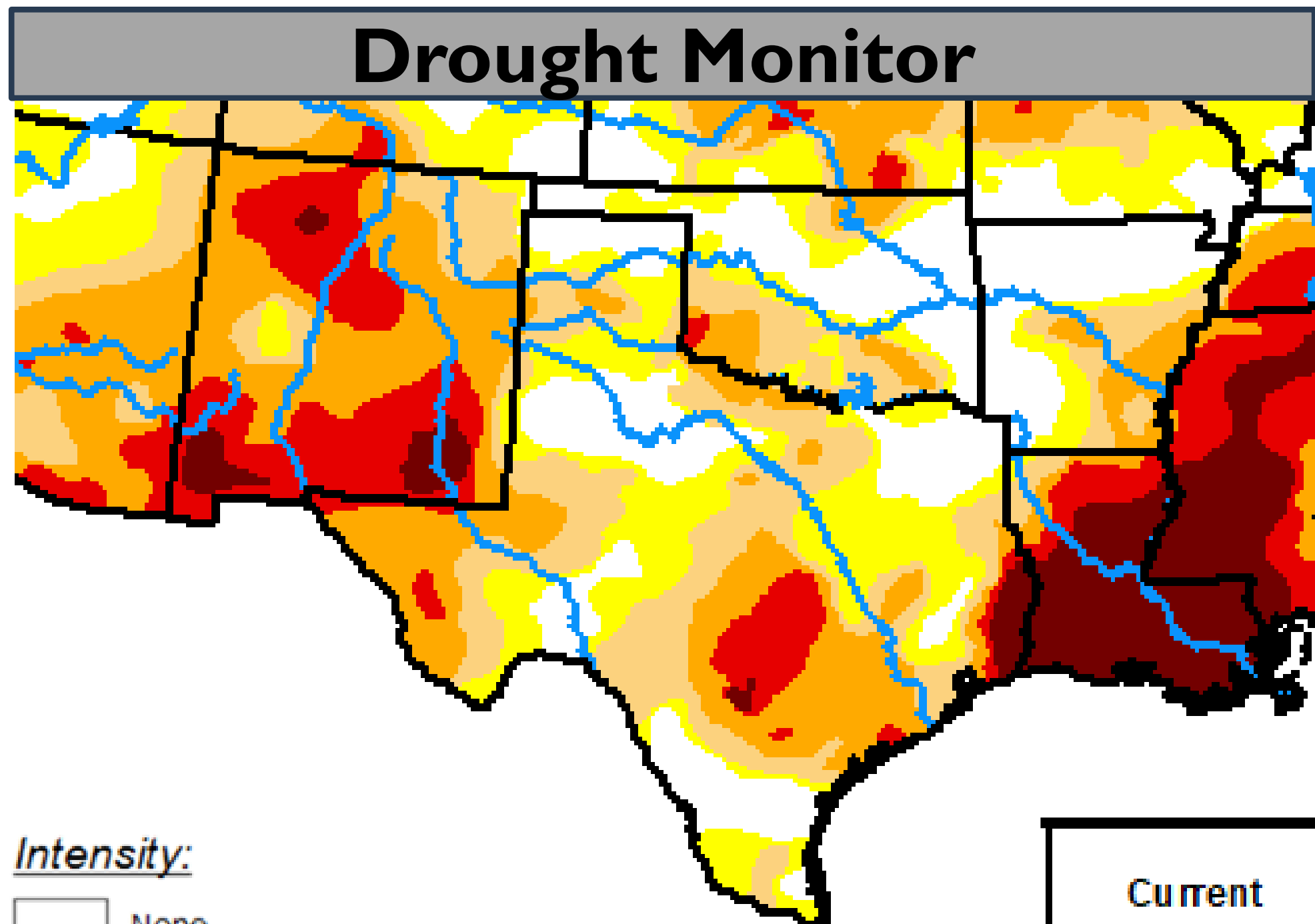
Day 5 Excessive Rainfall Outlook  
Valid 12Z Fri Nov 24 2023  
Thru 12Z Sat Nov 25 2023  
Issued: 0756Z Mon Nov 20 2023  
Forecaster: RAUSCH  
DOC/NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point  
**MDT: At Least 40%** **MRGL: At Least 5%**  
**SLGT: At Least 15%**



# Drought Monitor (Released Nov 16, 2023)

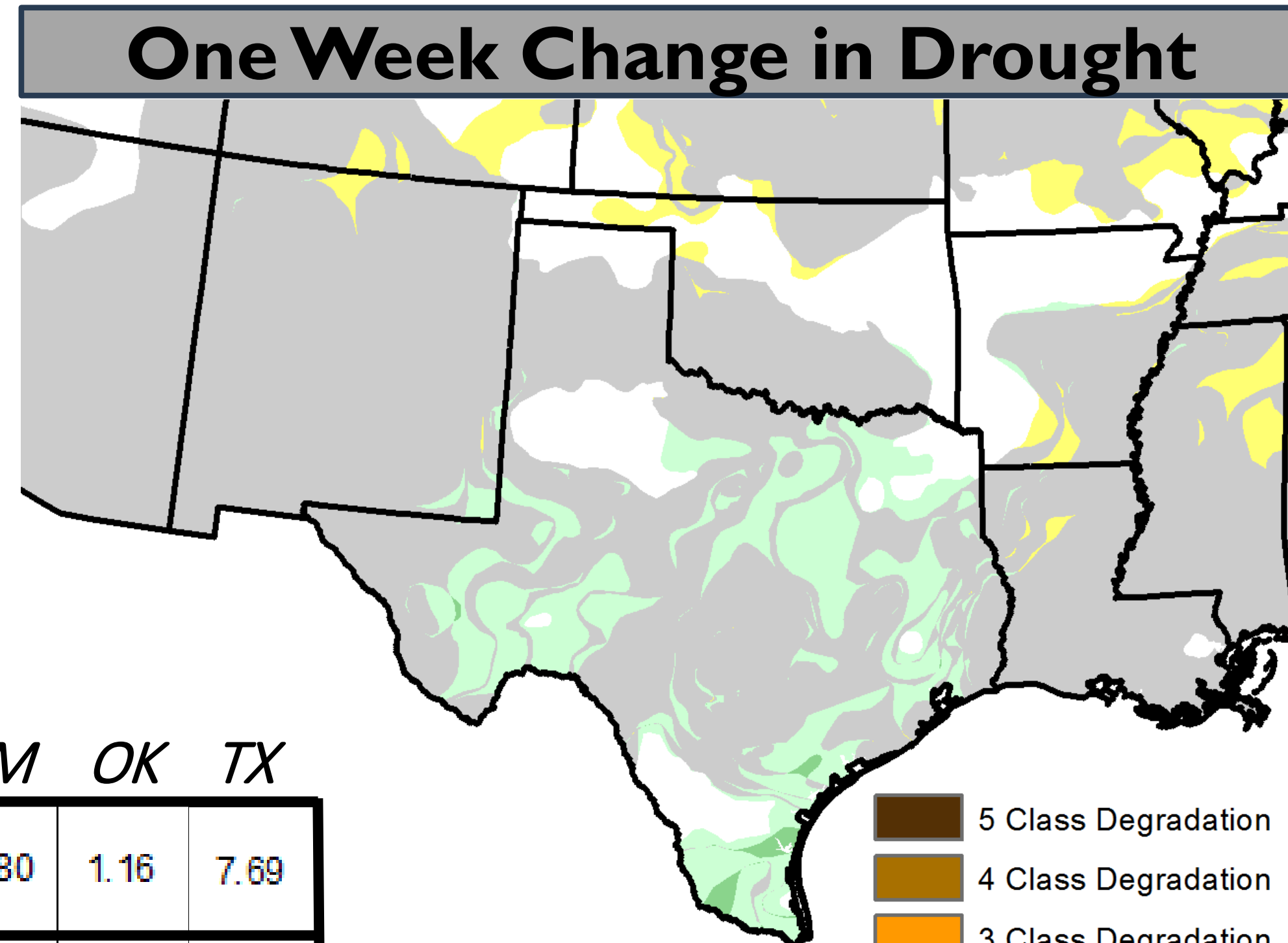
Data valid as of 8 am ET on Tuesday, November 14, 2023



**Intensity:**

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*



- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

	AR	LA	NM	OK	TX
<b>Current</b>	0.53	87.88	43.80	1.16	7.69
<b>Last Week</b> <i>11-07-2023</i>	0.35	87.71	43.62	1.16	10.88
<b>3 Months Ago</b> <i>08-15-2023</i>	0.00	15.12	2.99	1.60	15.75
<b>One Year Ago</b> <i>11-15-2022</i>	0.00	0.00	4.93	64.07	14.93

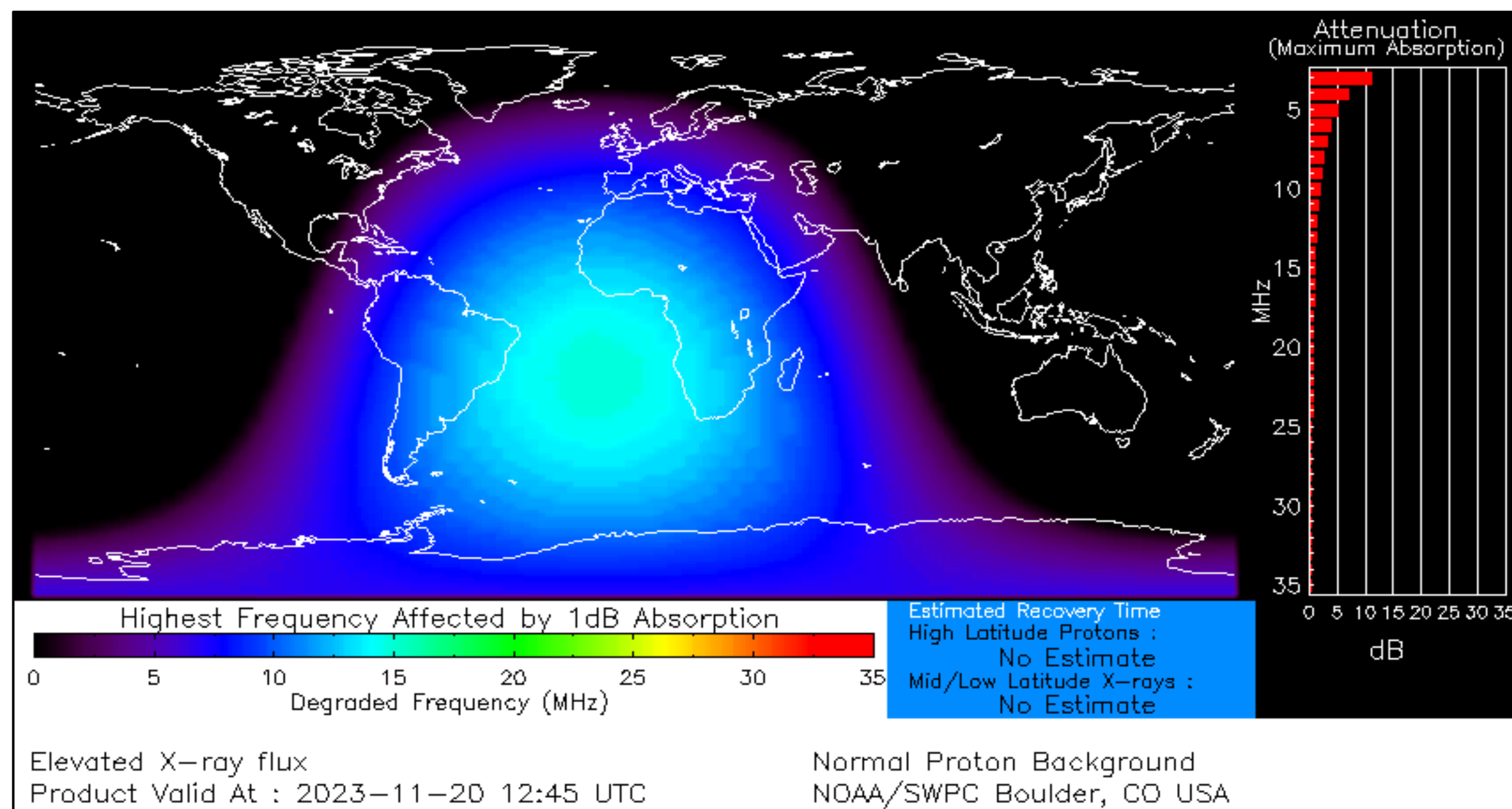
**Drought Conditions (Percent Area)**

**D3-D4 (Extreme to Exceptional Drought)**



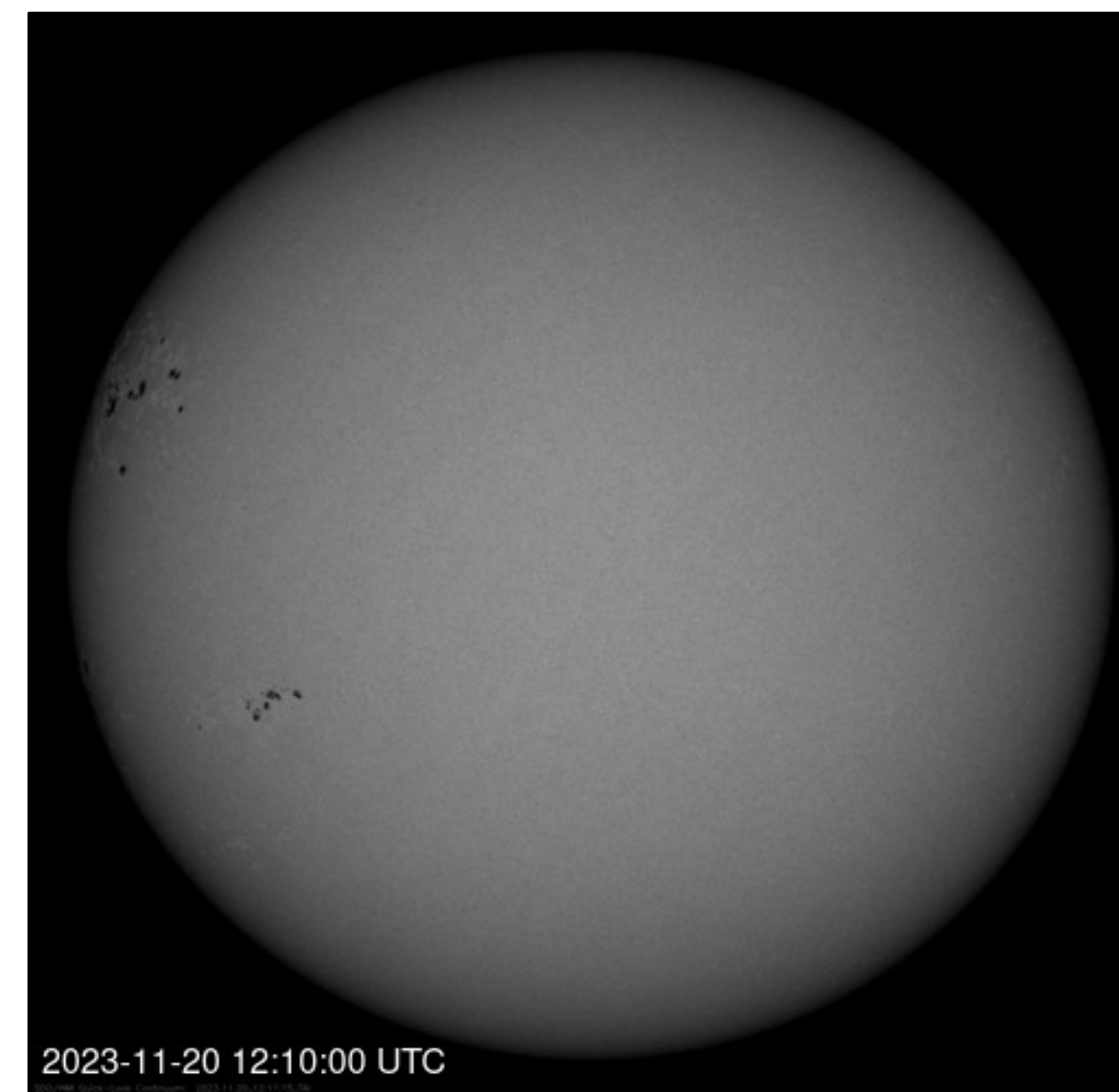
# Space Weather 3-Day Forecast

	Monday	Tuesday	Wednesday
<b>Geomagnetic Storms</b>	<b>Minor Storm (G1) (Max Kp = 5)</b>	<b>Unsettled (Max Kp = 3)</b>	<b>Active (Max Kp = 4)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	40%	40%	40%
<b>Radio Blackout (R3-R5)</b>	5%	5%	5%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







**For more information, please contact:**

**National Weather Service  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX**

**Phone: (682) 703-3747**

**E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**

**Web: <http://www.weather.gov/srh>**



## Weather "Threat" Matrix for FEMA Region VI

Color	Definition	Criteria	Example(s)
Green	<p style="text-align: center;"><b>Very Common</b></p> <p>Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines</p>	<p>Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active</p>	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as sea breeze storms in coastal TX</li> </ul>
Yellow	<p style="text-align: center;"><b>Somewhat Common – Happens Frequently</b></p> <p>Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life</p>	<p>Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook</p>	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail</li> </ul>
Orange	<p style="text-align: center;"><b>Uncommon – A Few Times a Year</b></p> <p>Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life</p>	<p>Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions</p>	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<p style="text-align: center;"><b>Rare – Once every 1-5 Years</b></p> <p>Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life</p>	<p>Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought</p>	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<p style="text-align: center;"><b>Very Rare – Once Every 5-10 Years</b></p> <p>Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life</p>	<p>Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought</p>	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

[sr-srh@noaa.gov](mailto:sr-srh@noaa.gov)