



# FEMA



Prepared by  
*Kurt Van Speybroeck*

# FEMA Region 6 Weather Threat Briefing

Tuesday December 12, 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

- **Heavy snow across NE NM Wednesday through Friday morning.**



# FEMA Region 6 Threat Matrix

Dec 12, 2023 - Dec 16, 2023

| DAY / THREAT                | Tue | Wed   | Thu   | Fri   | Sat |
|-----------------------------|-----|-------|-------|-------|-----|
| Severe Storms               |     |       |       |       |     |
| Heavy Rain / Flash Flooding |     |       |       |       |     |
| Fire Weather                |     |       |       |       |     |
| Winds                       |     |       |       |       |     |
| Winter Weather              |     | NE NM | NE NM | NE NM |     |
| 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.\**

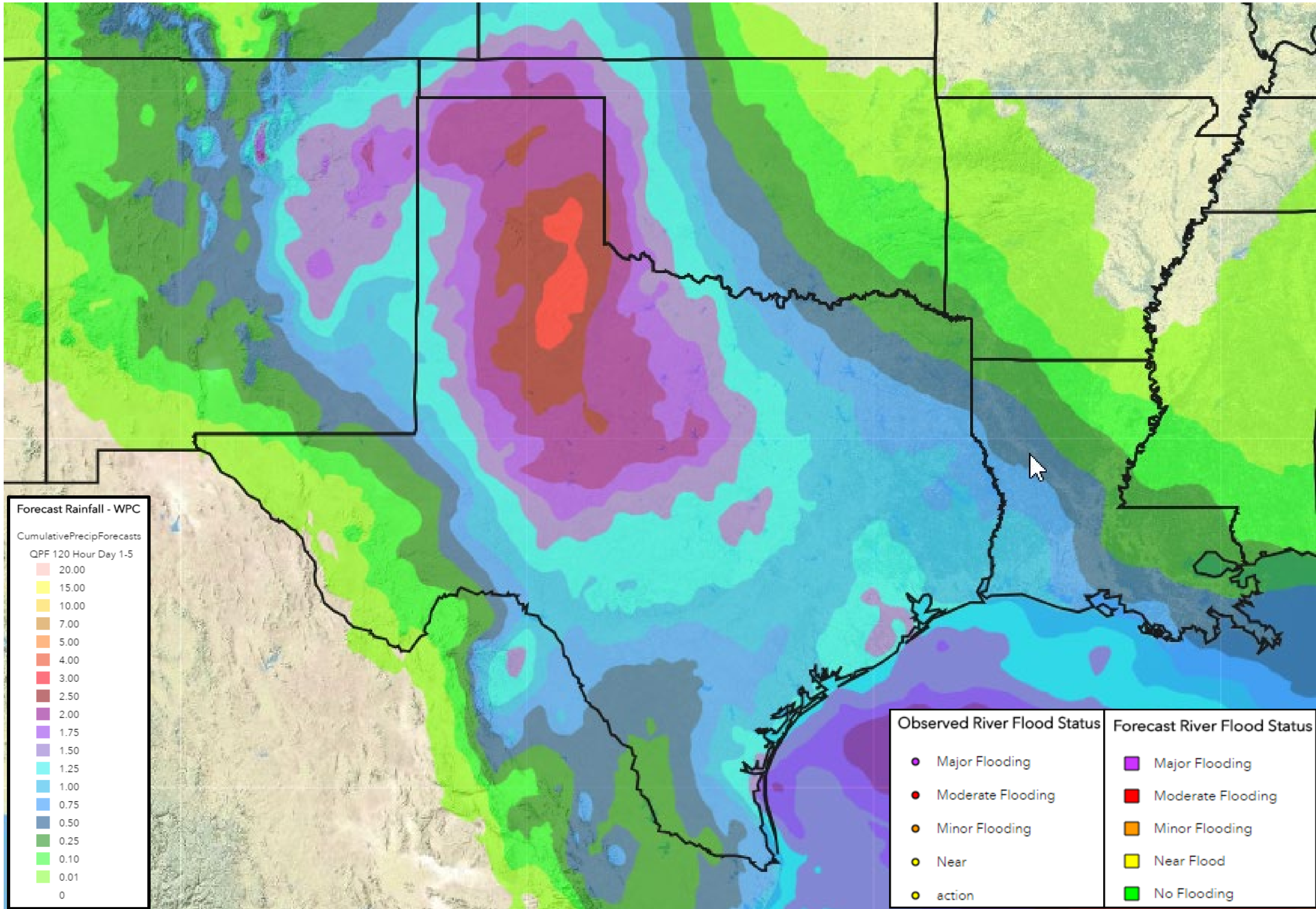
*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# 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.**

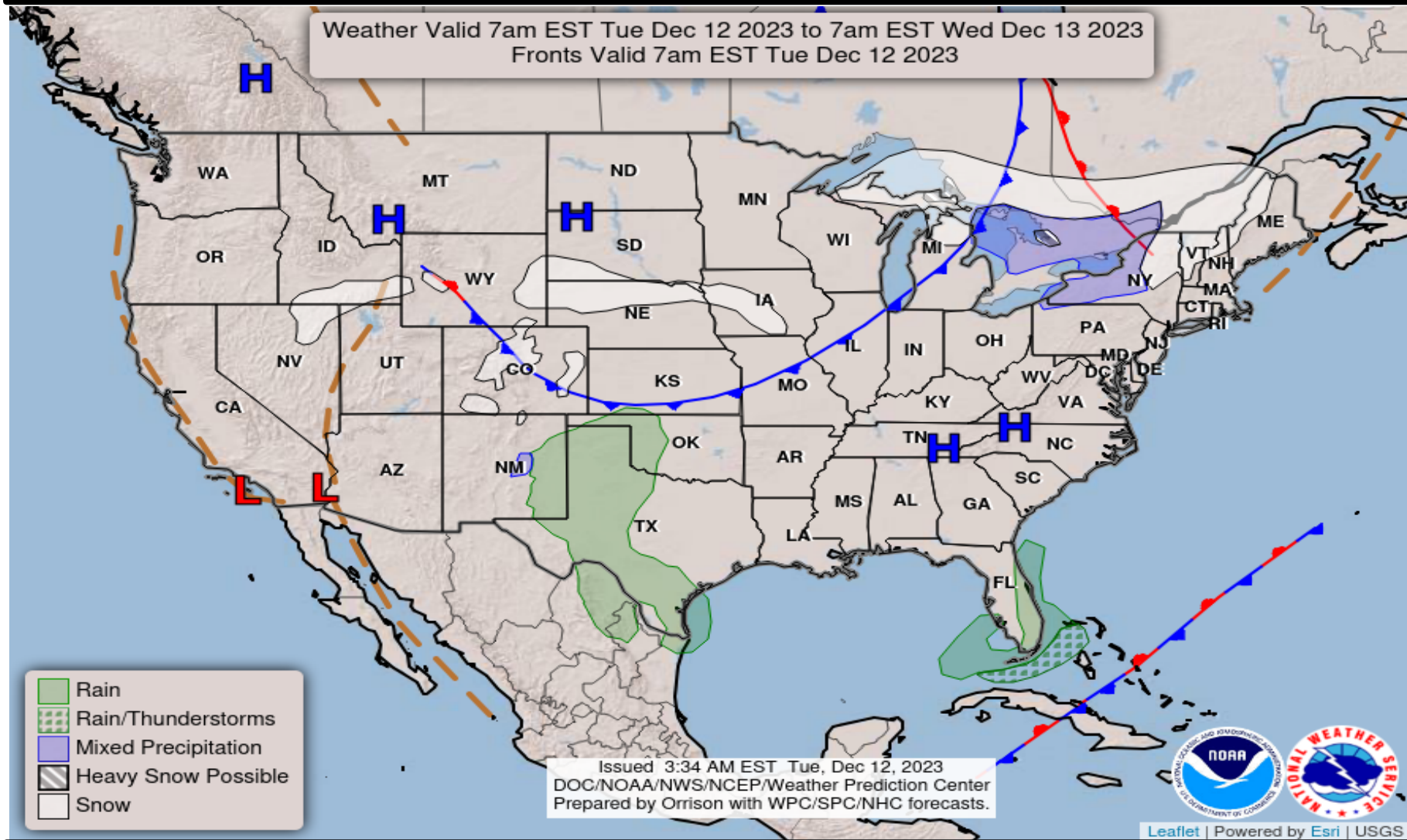


<http://water.weather.gov/ahps> for latest river flooding

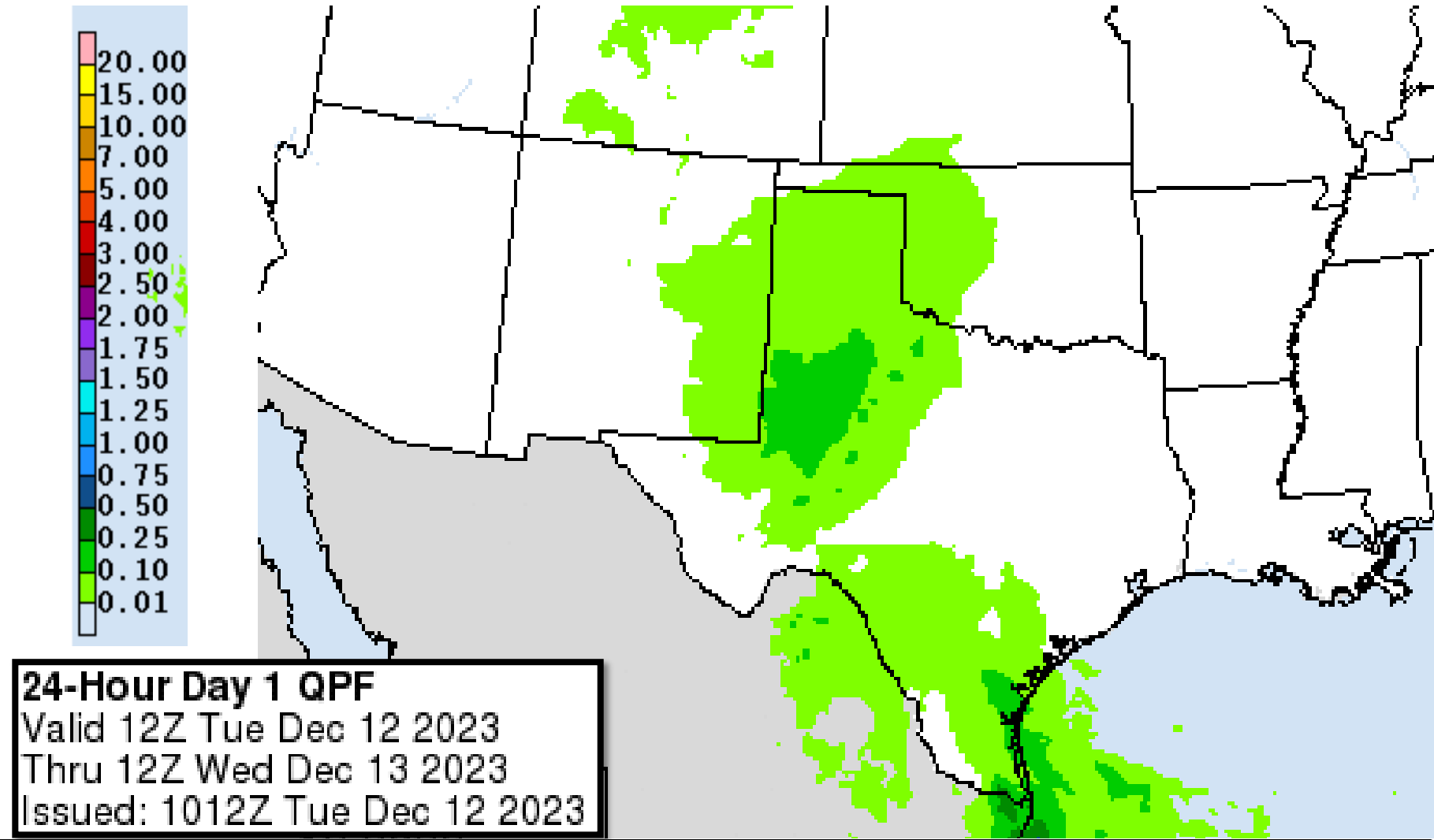


# Today's Weather

## Forecast Chart

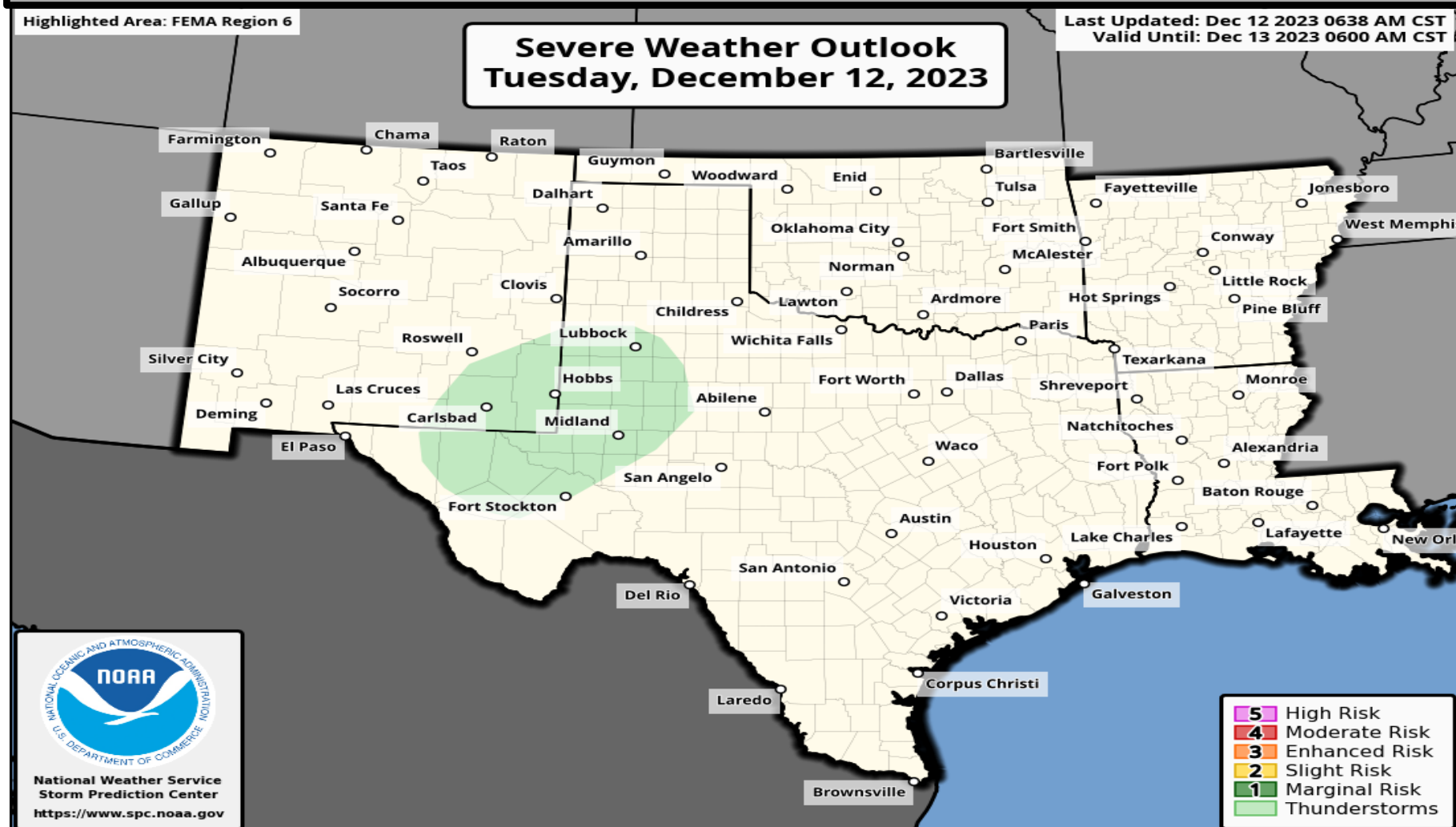


## Forecast Rainfall

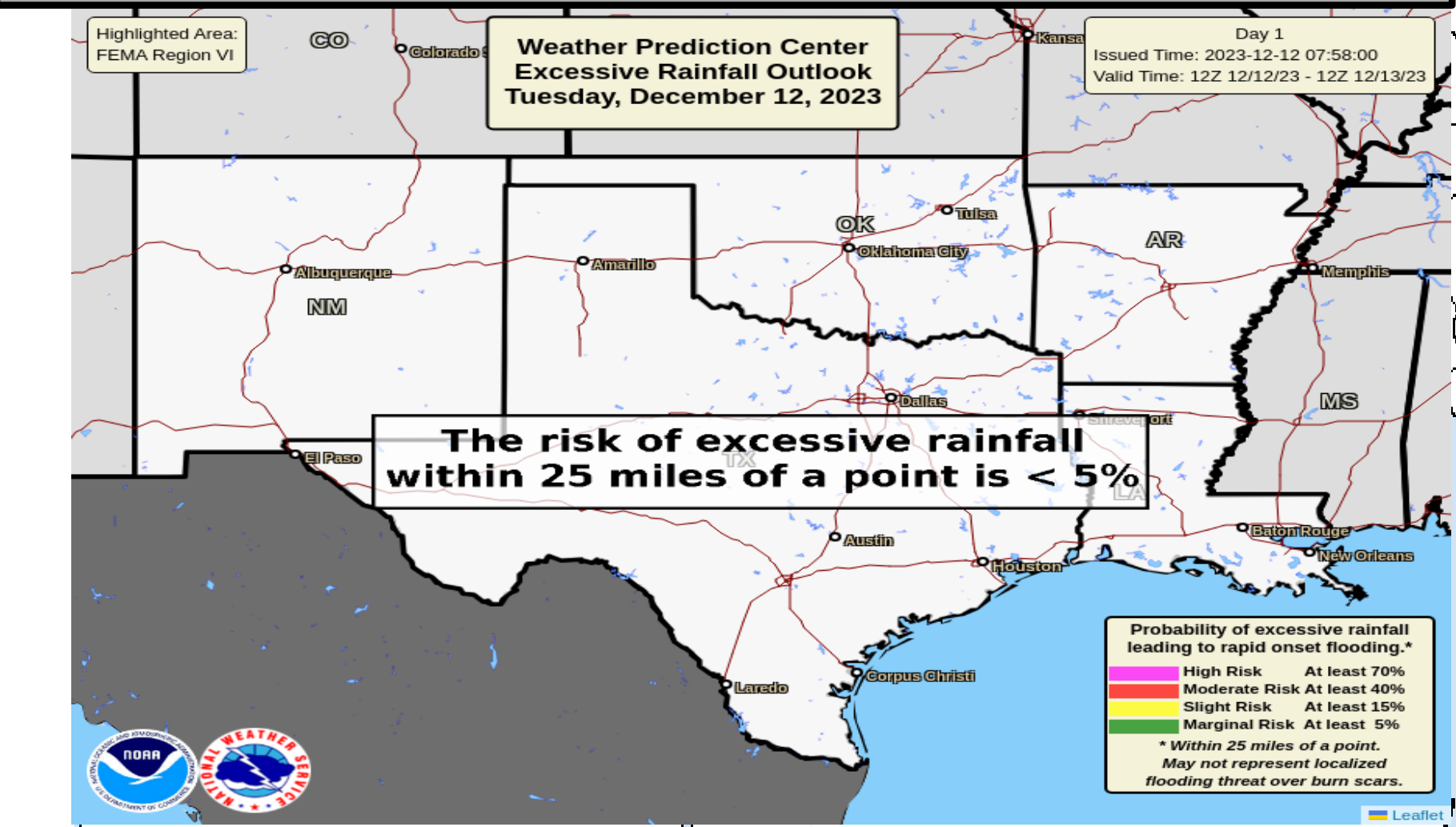


No significant weather expected.

## Severe Weather Outlook

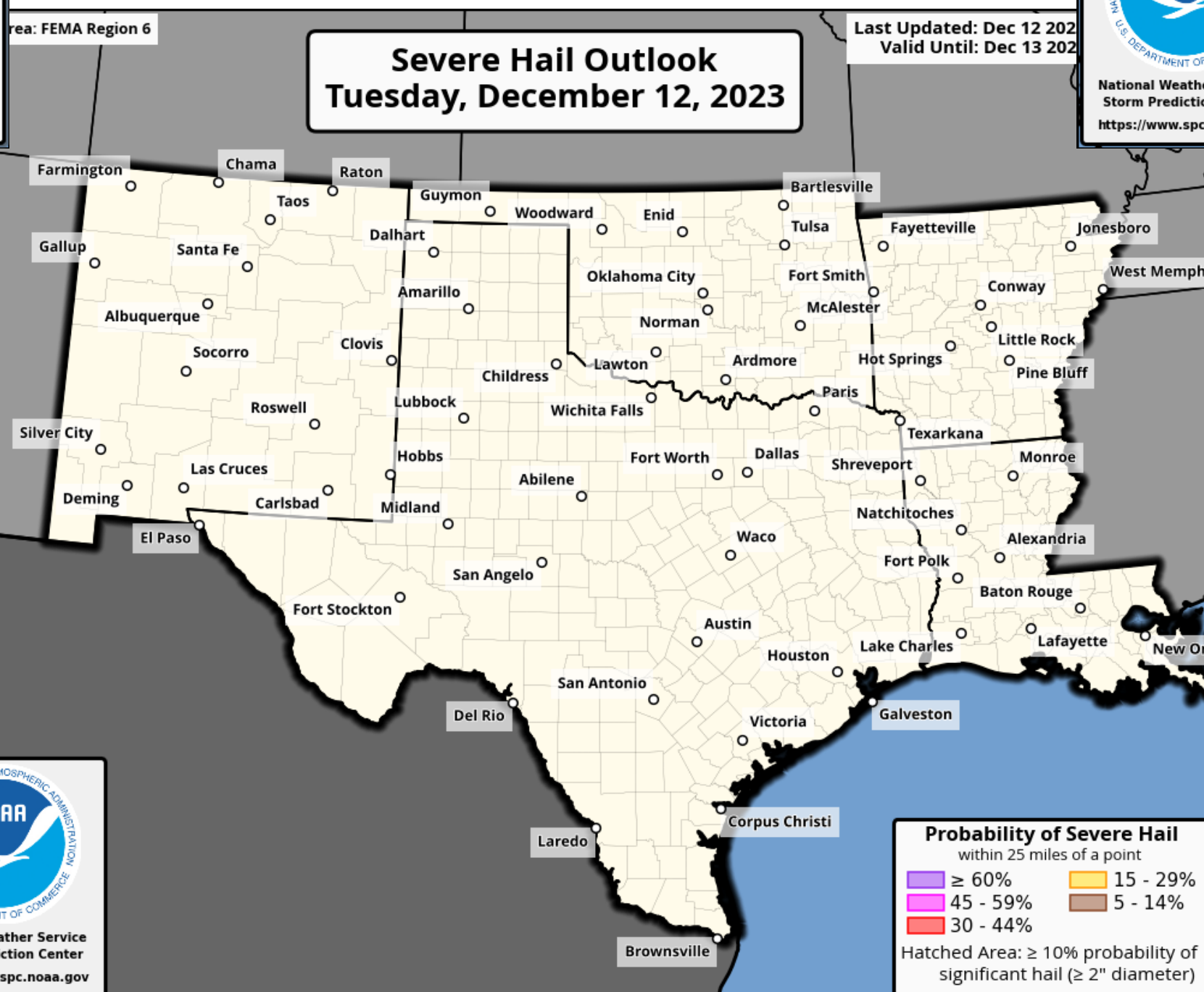
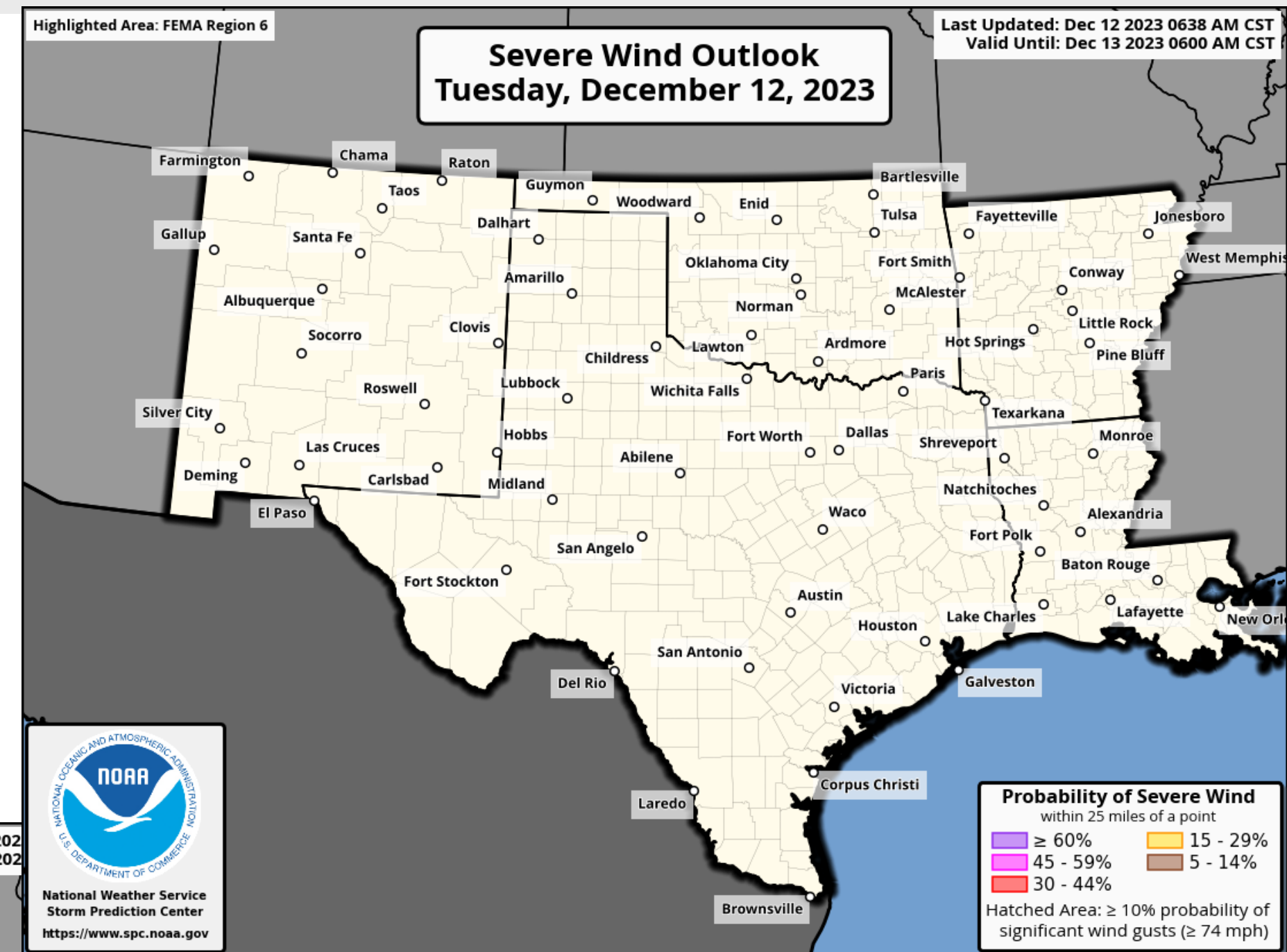
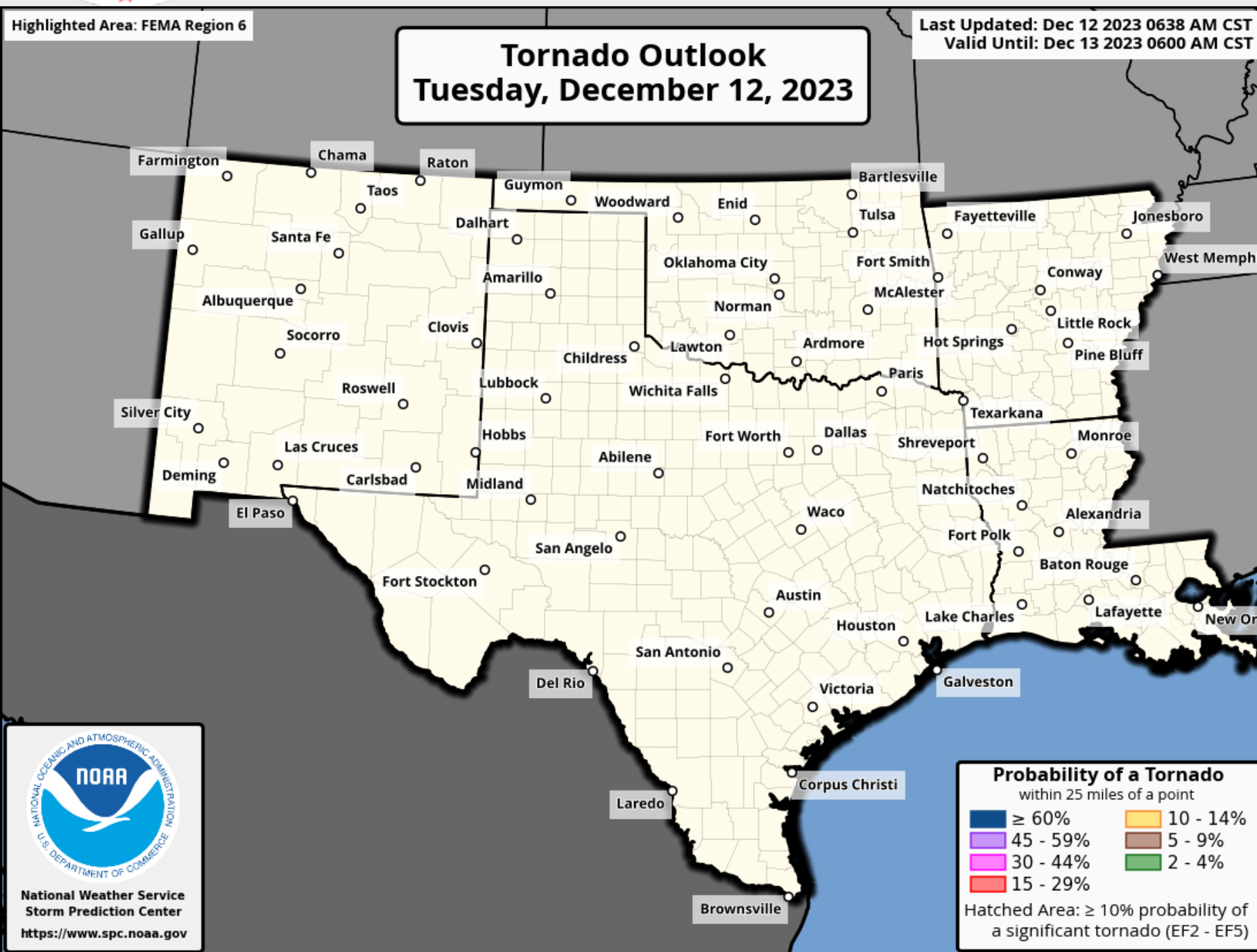


## Excessive Rainfall Outlook





# Today's Tornado & Severe Wind / Hail Probabilities



Last Updated: 12/12/2023 7:12 AM CT

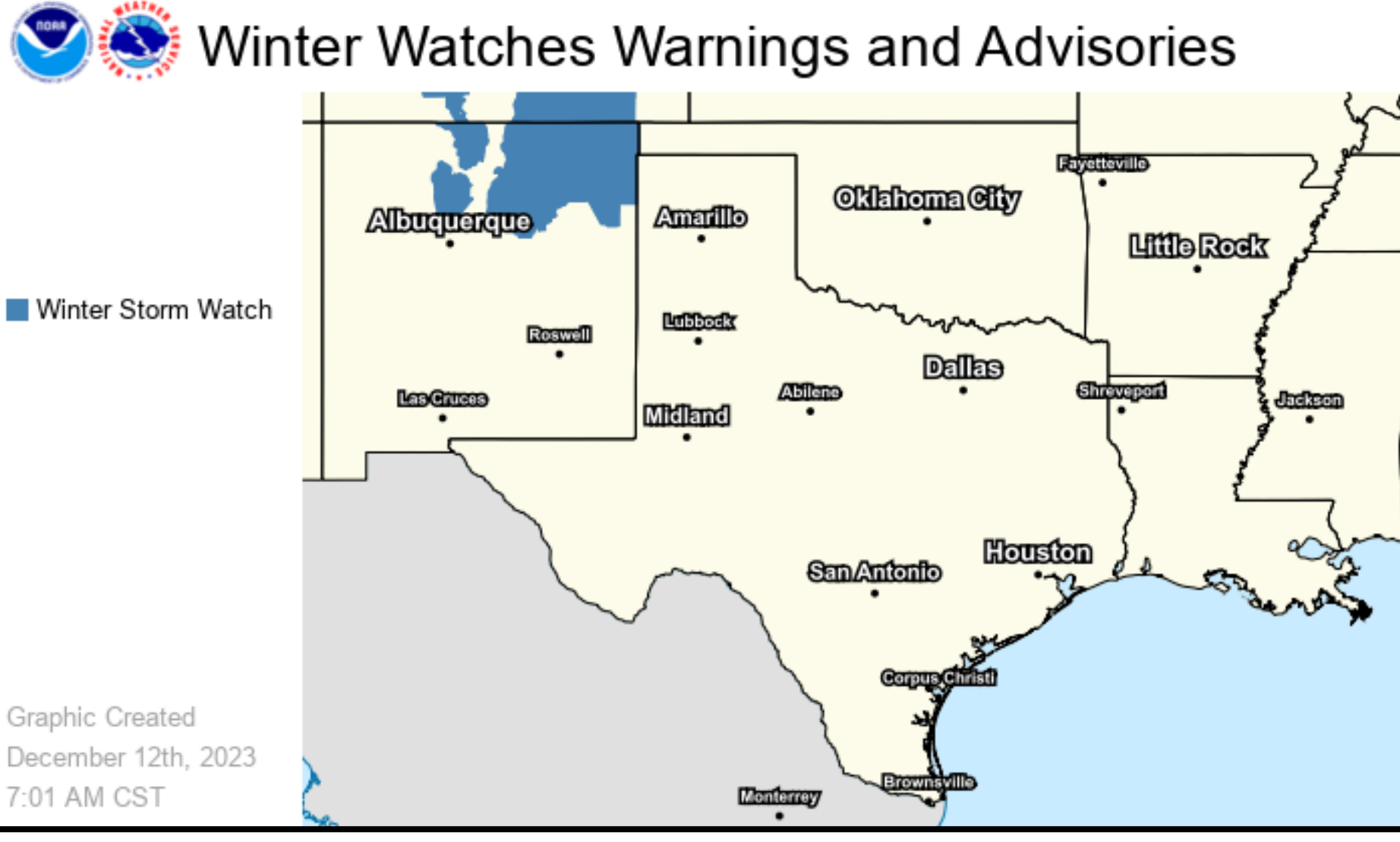
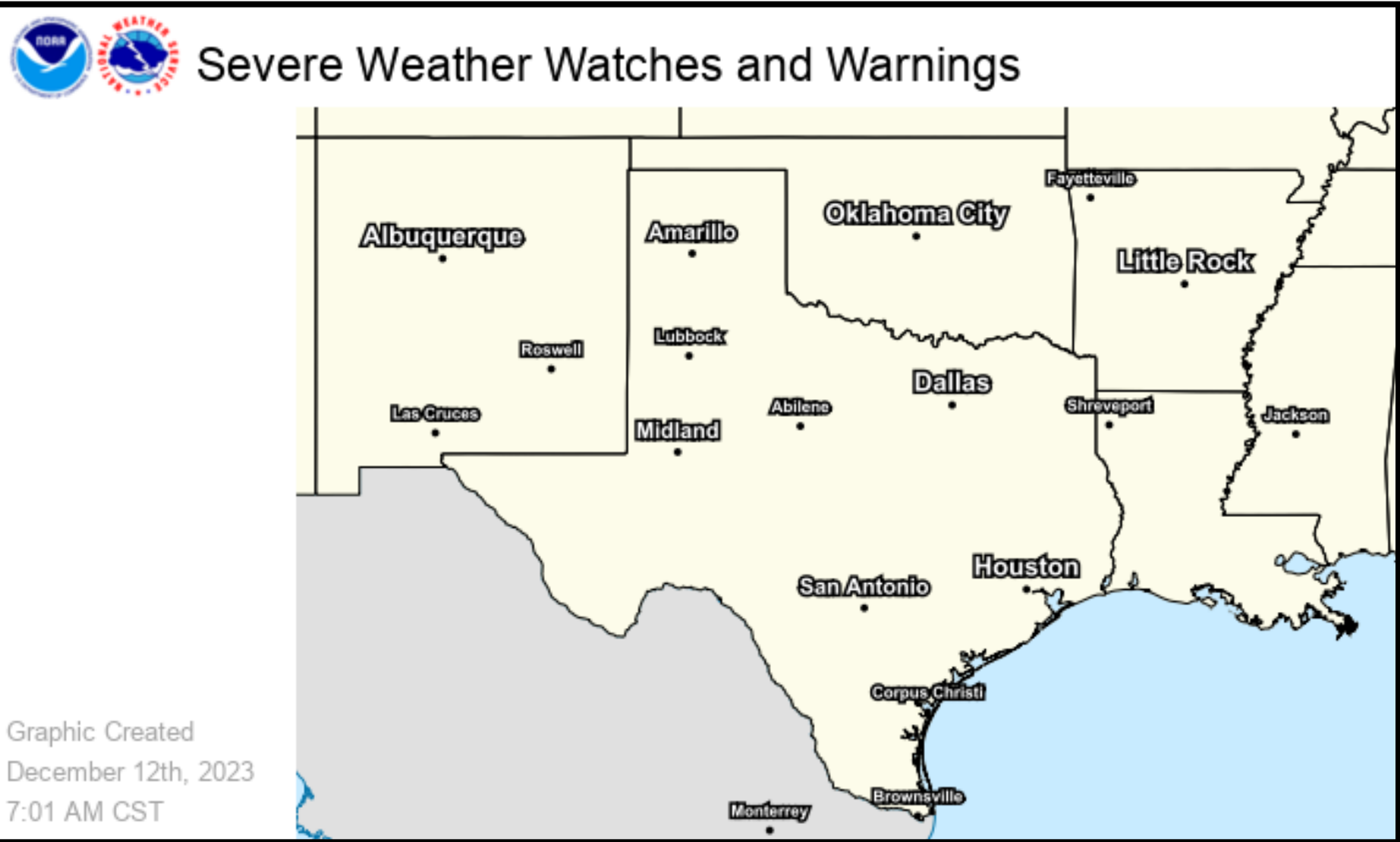
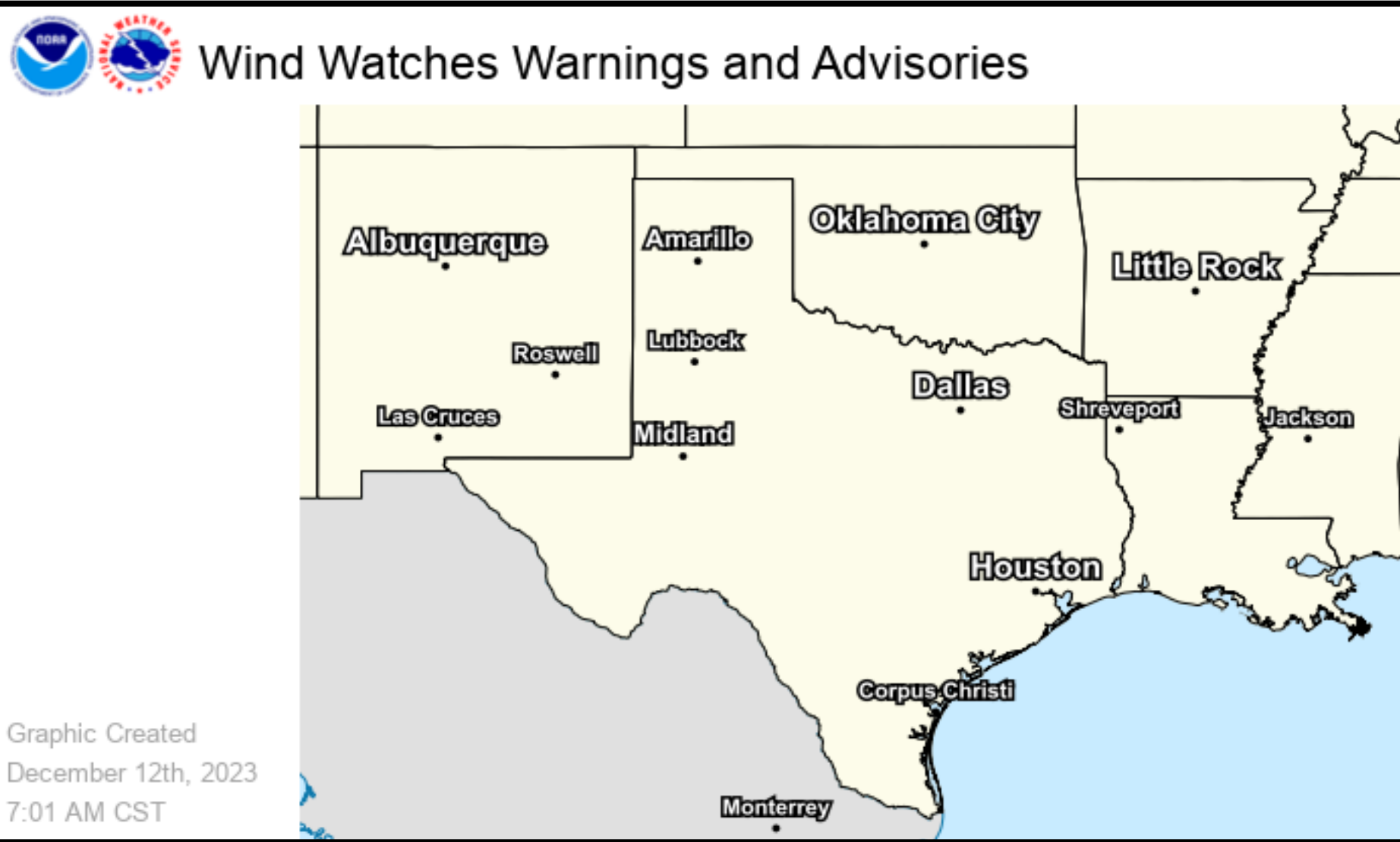
Weather Service – Southern Region ROC



# Watches, Warnings, and Advisories

Wind, Severe, Winter, and Flood Hazards

**Winter Storm Watch across NE NM from Wednesday through Friday morning.**





# Winter Weather

Tuesday - Thursday

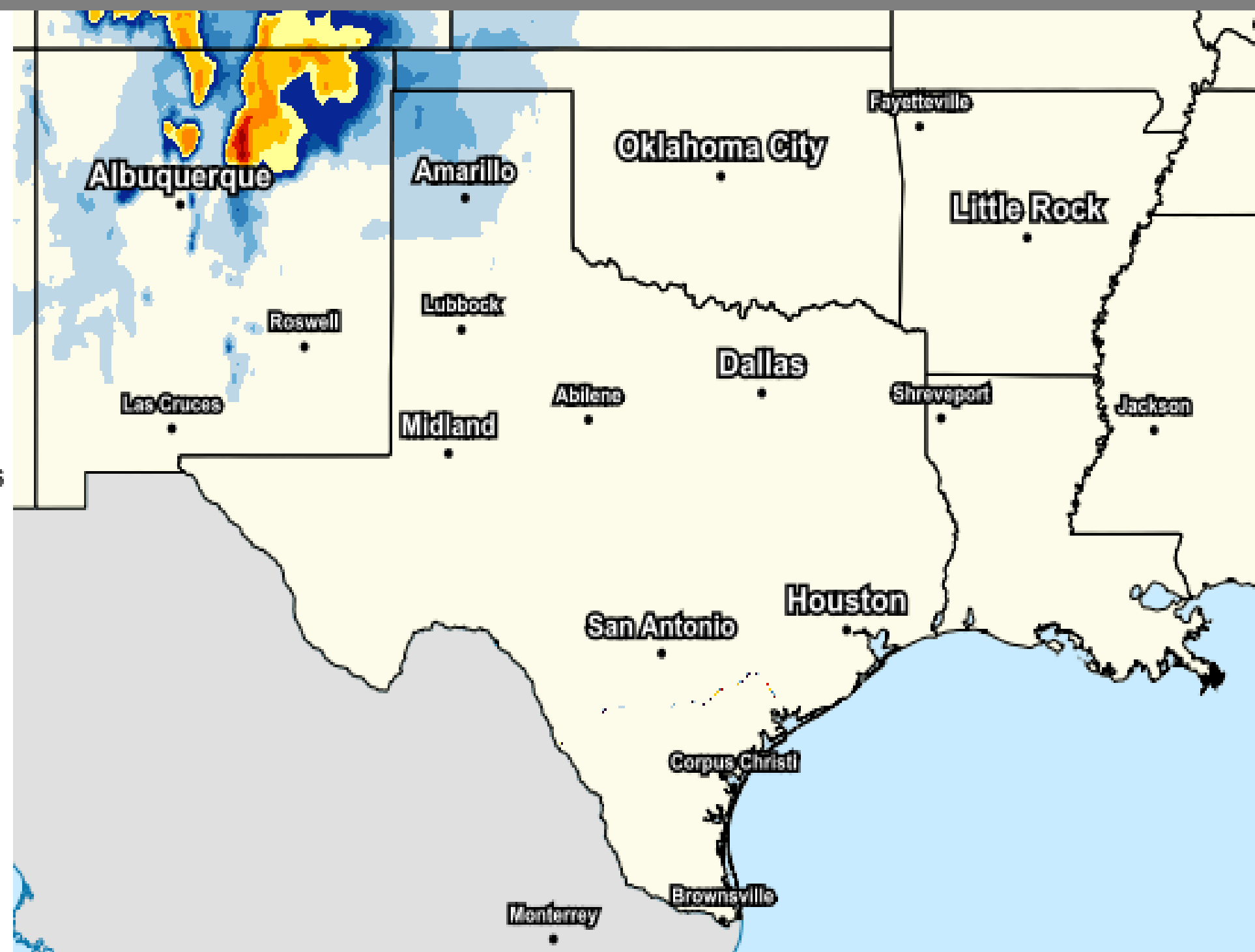
## Forecast Snow Amounts



### Forecast Snowfall

Valid Ending Friday December 15th, 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  
December 12th, 2023  
6:21 AM CST

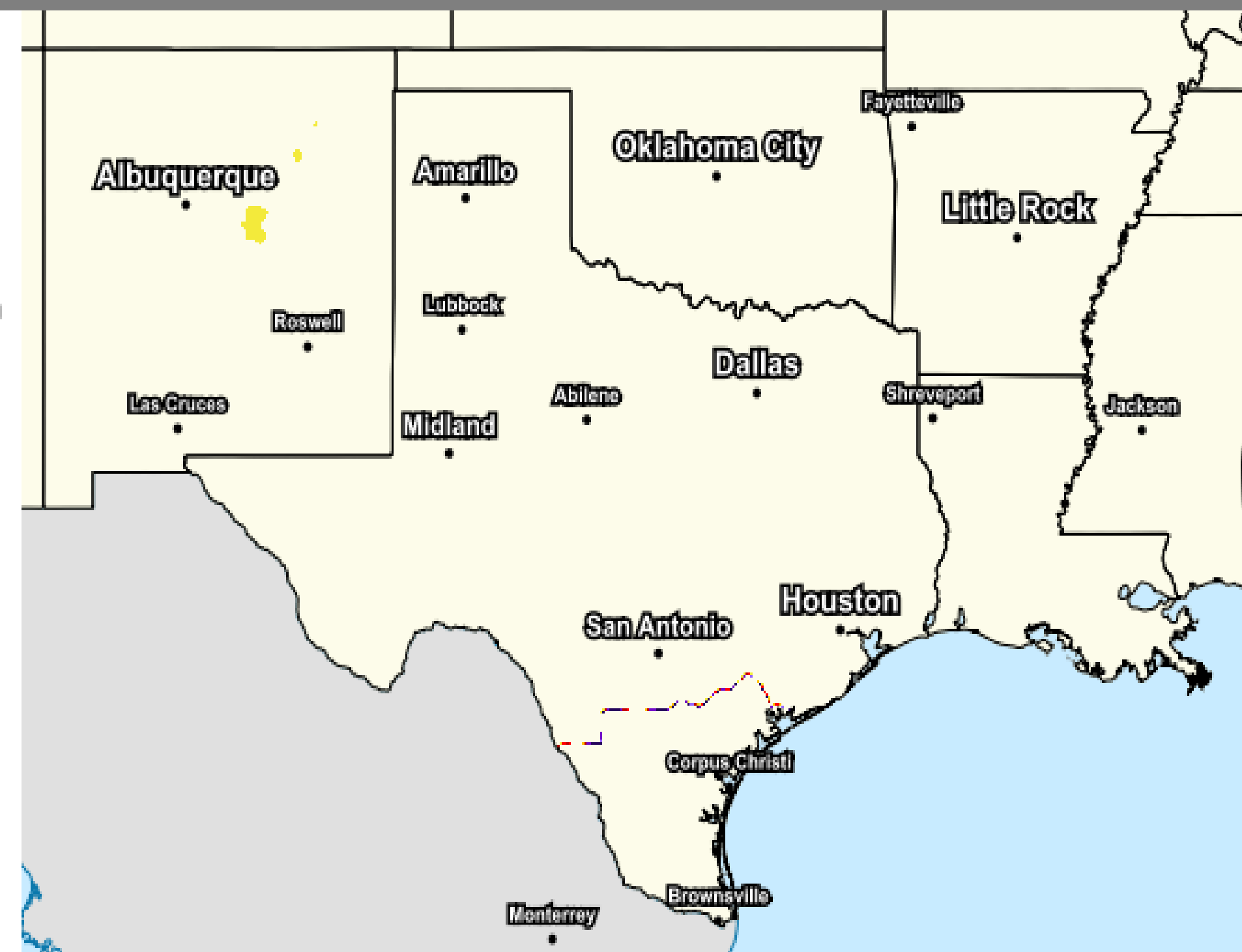
## Forecast Ice Amounts



### Ice Accumulation Forecast

Valid Ending Friday December 15th, 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



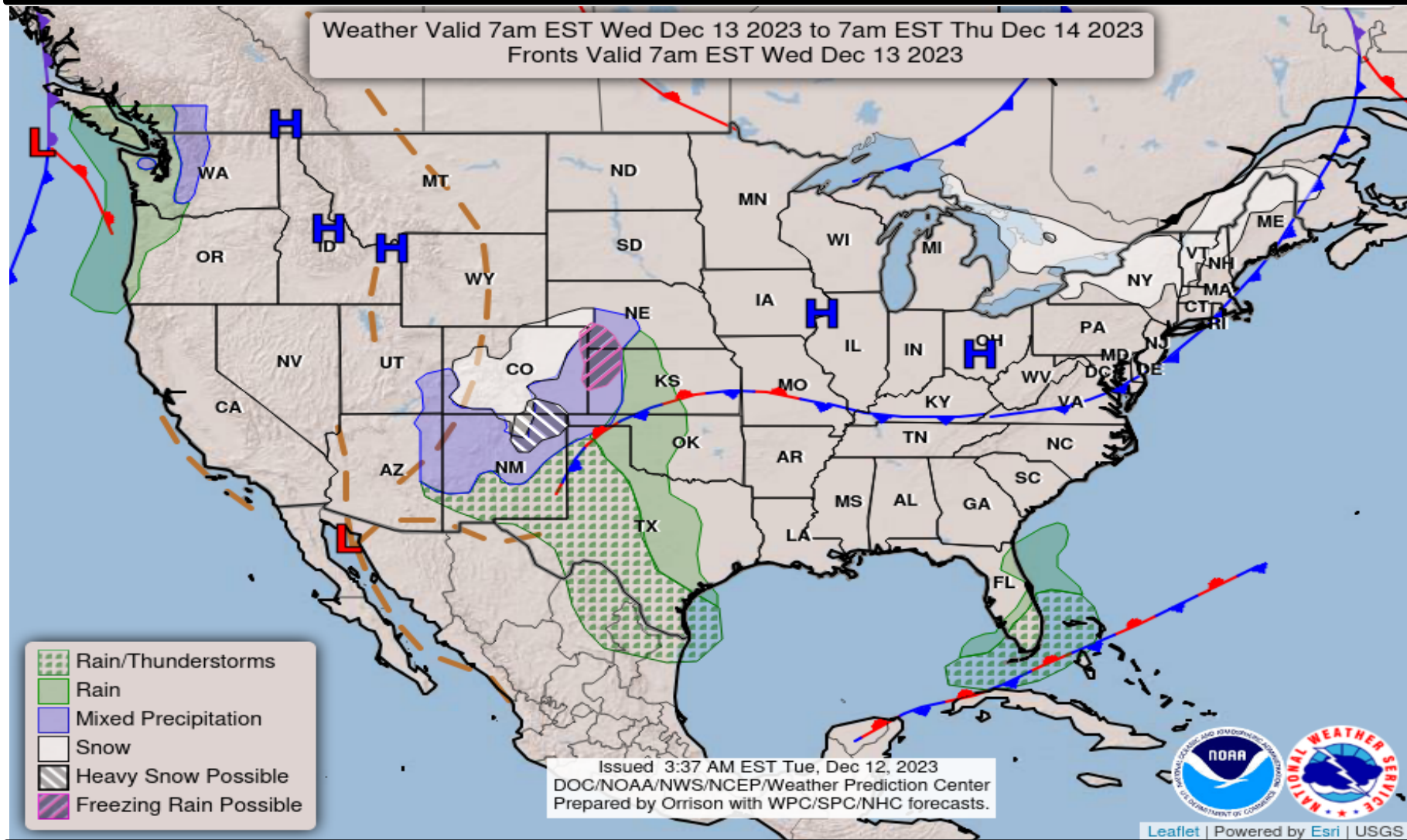
Graphic Created  
December 12th, 2023  
6:21 AM CST



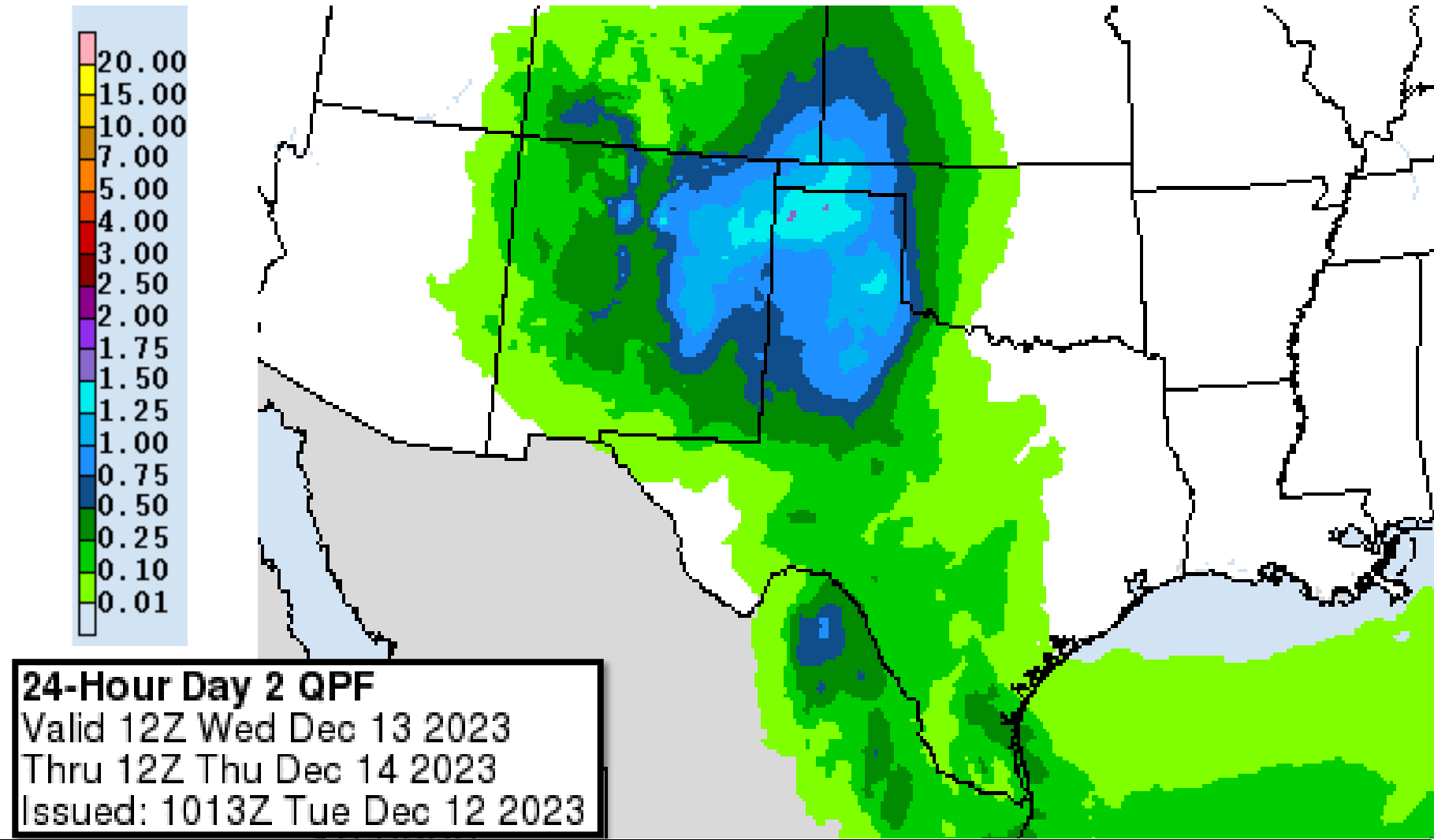


# Tomorrow's Weather

## Forecast Chart

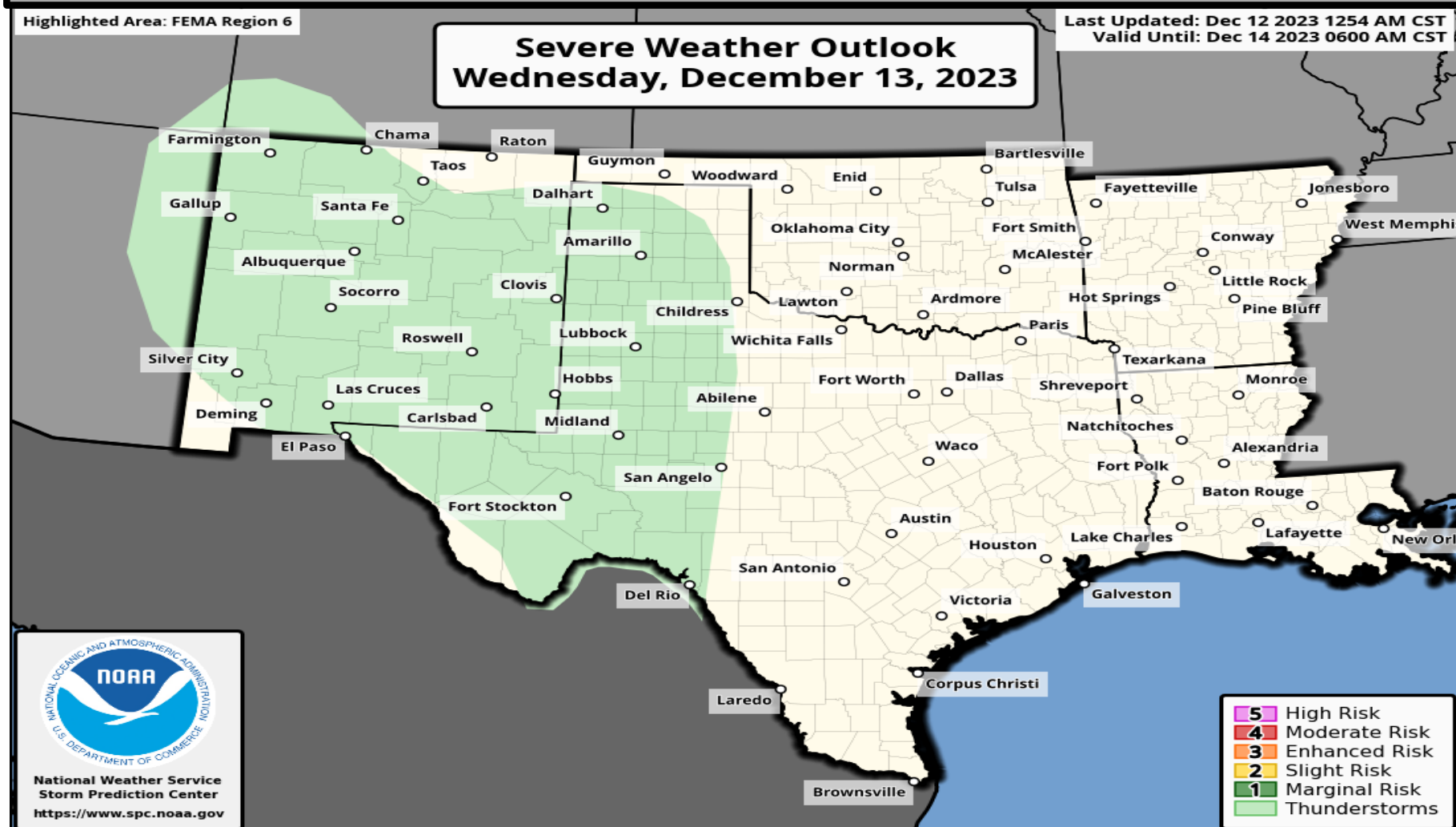


## Forecast Rainfall

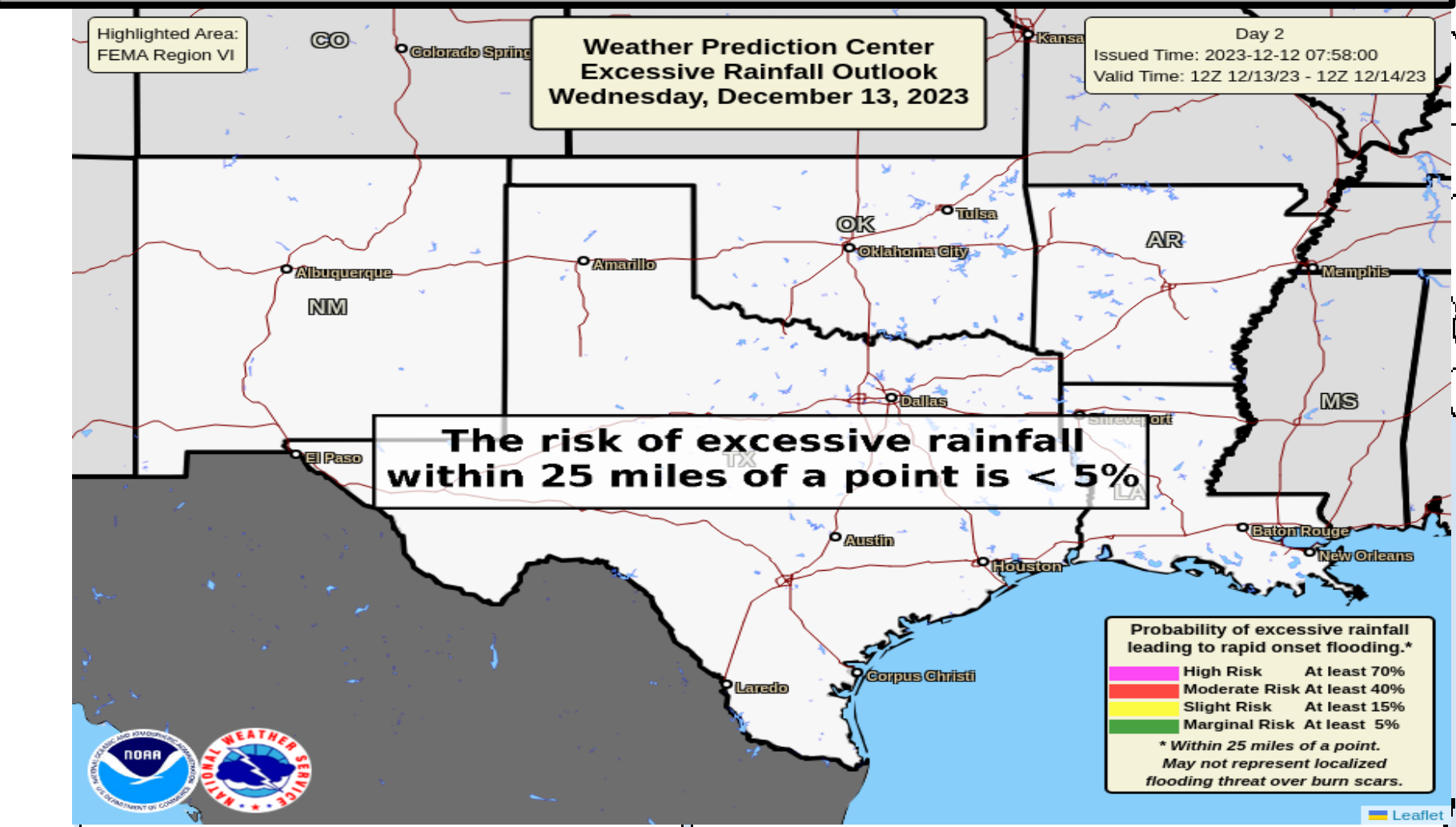


Heavy snow across NE NM.

## Severe Weather Outlook

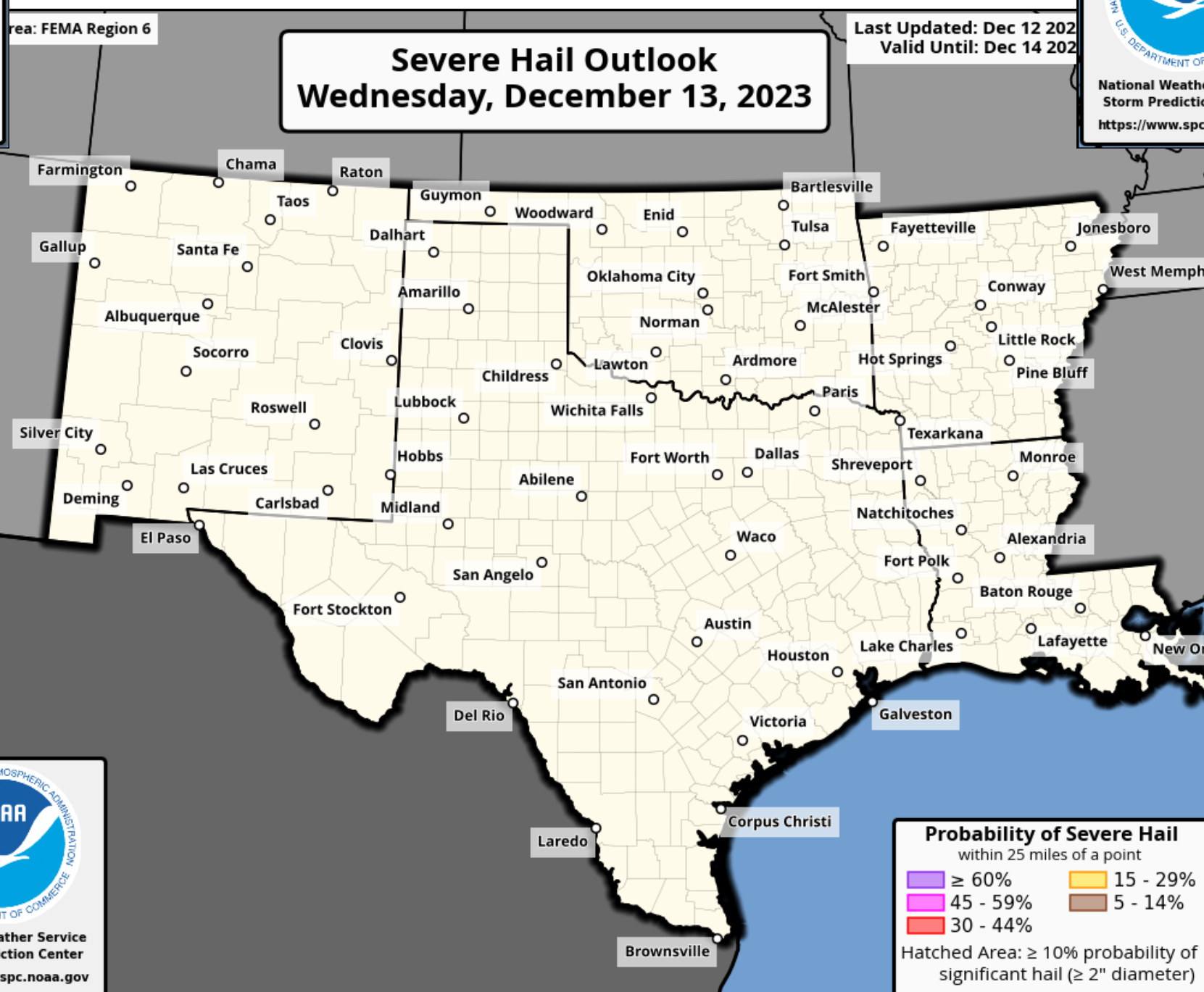
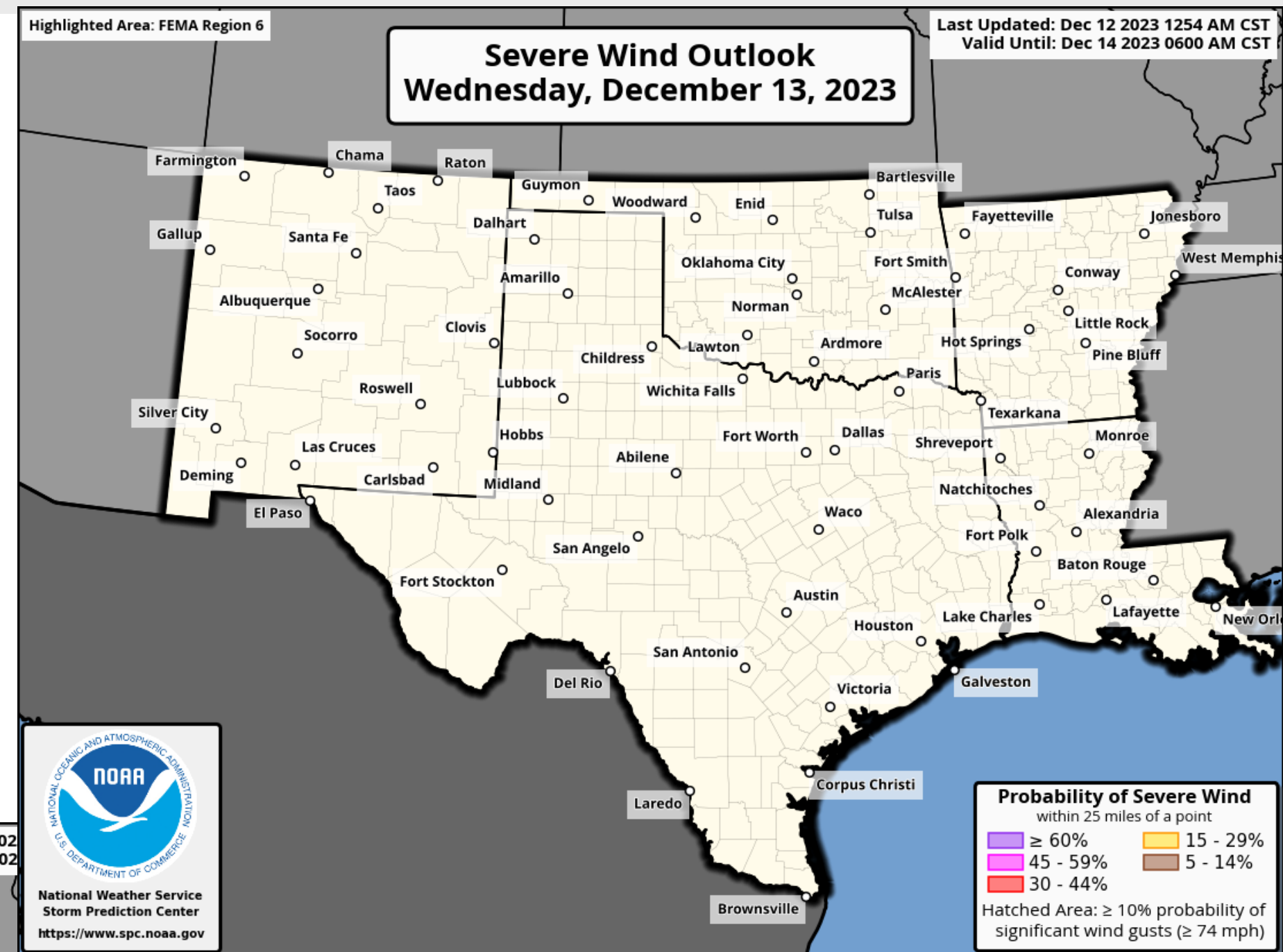
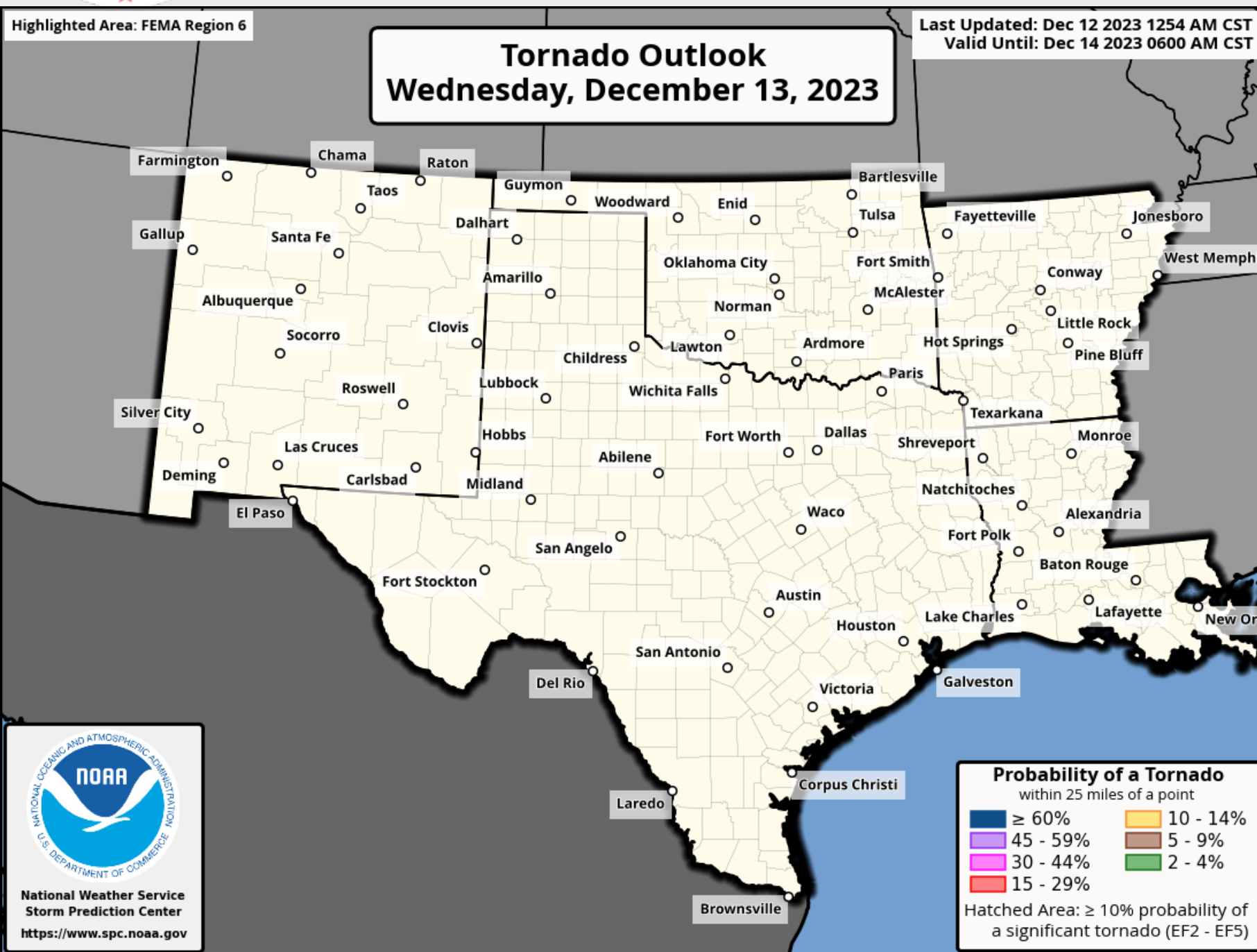


## Excessive Rainfall Outlook





# Tomorrow's Tornado & Severe Wind / Hail Probabilities



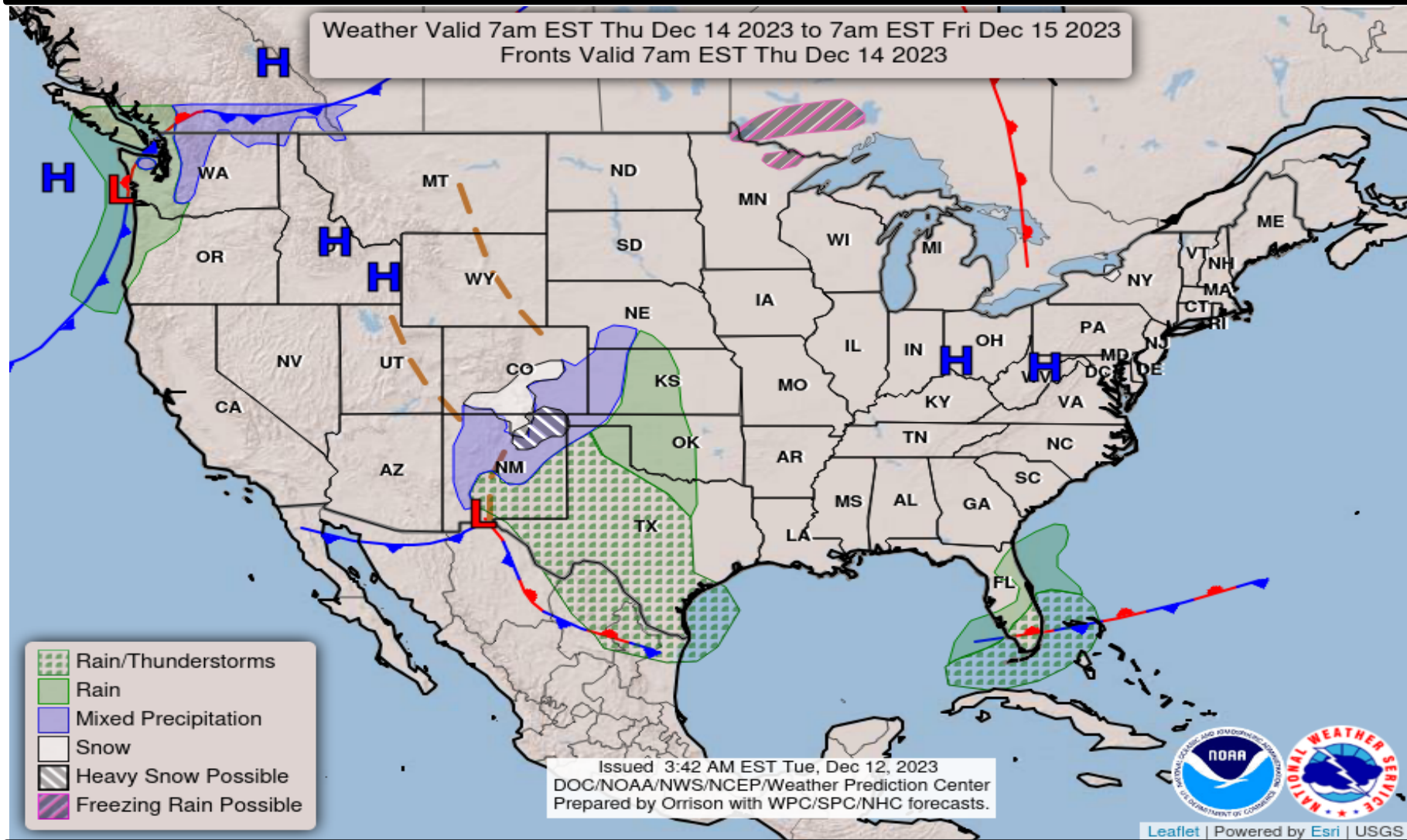
Last Updated: 12/12/2023 7:12 AM CT

Weather Service – Southern Region ROC

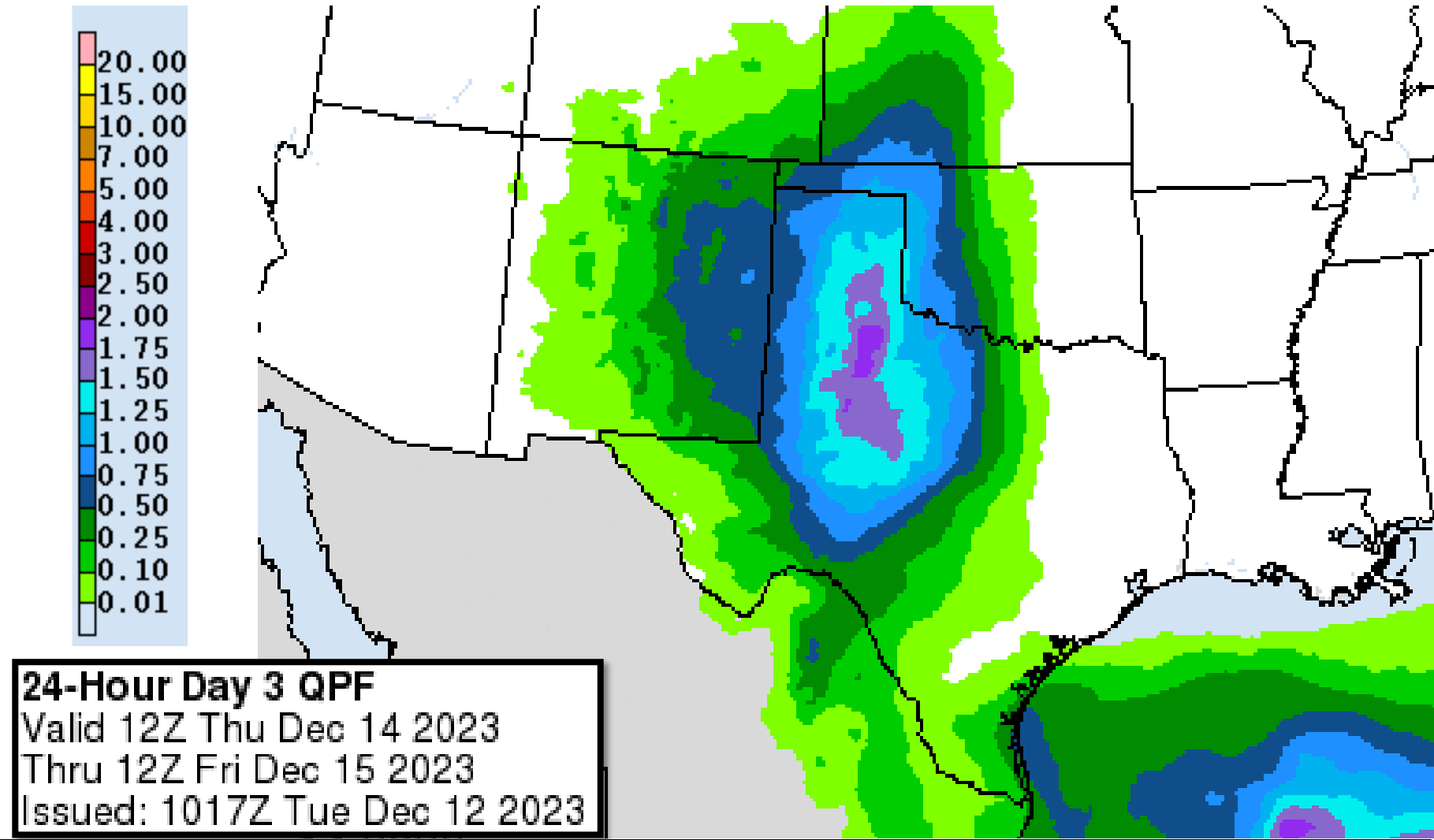


# Thursday's Weather

## Forecast Chart

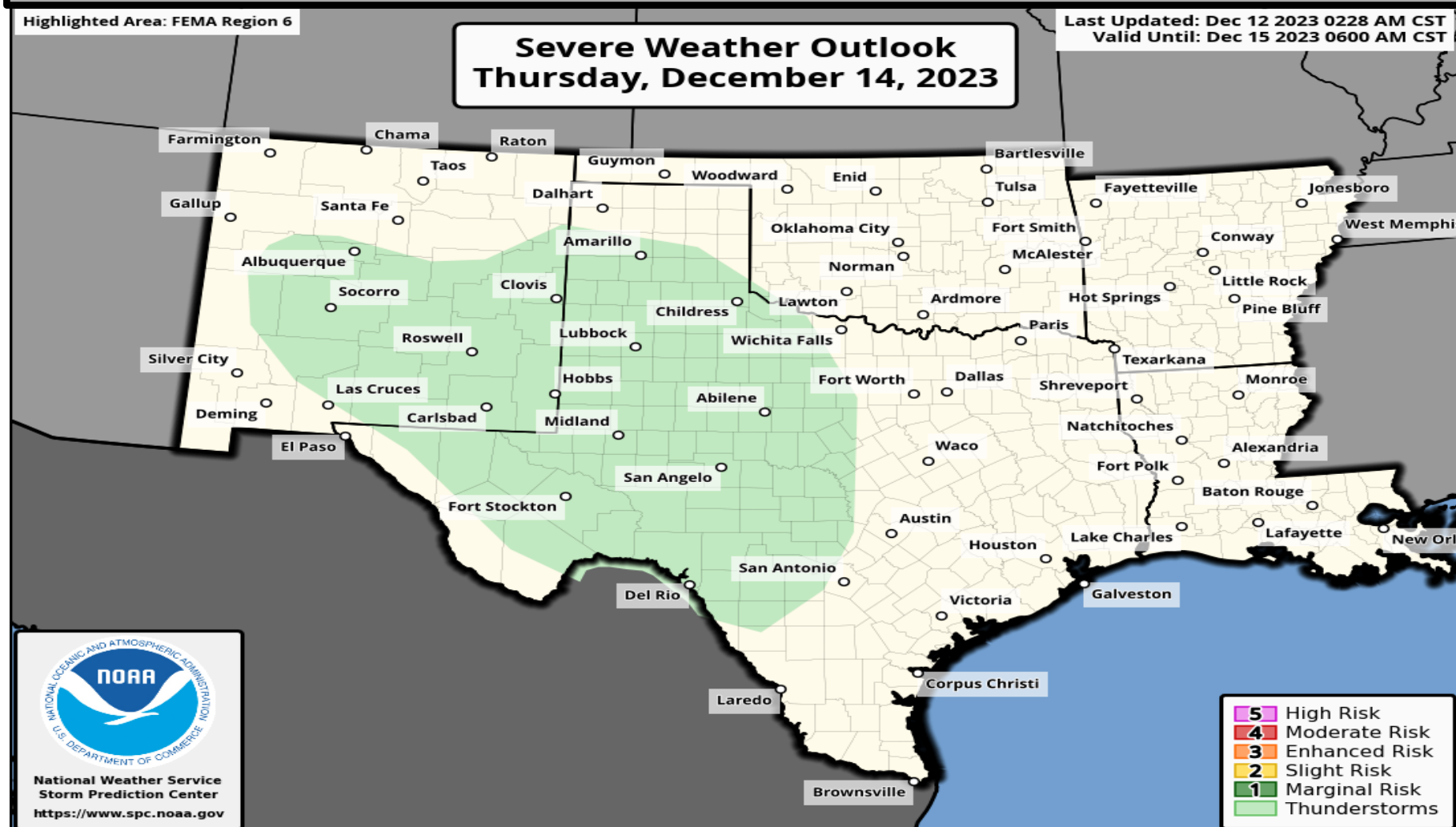


## Forecast Rainfall

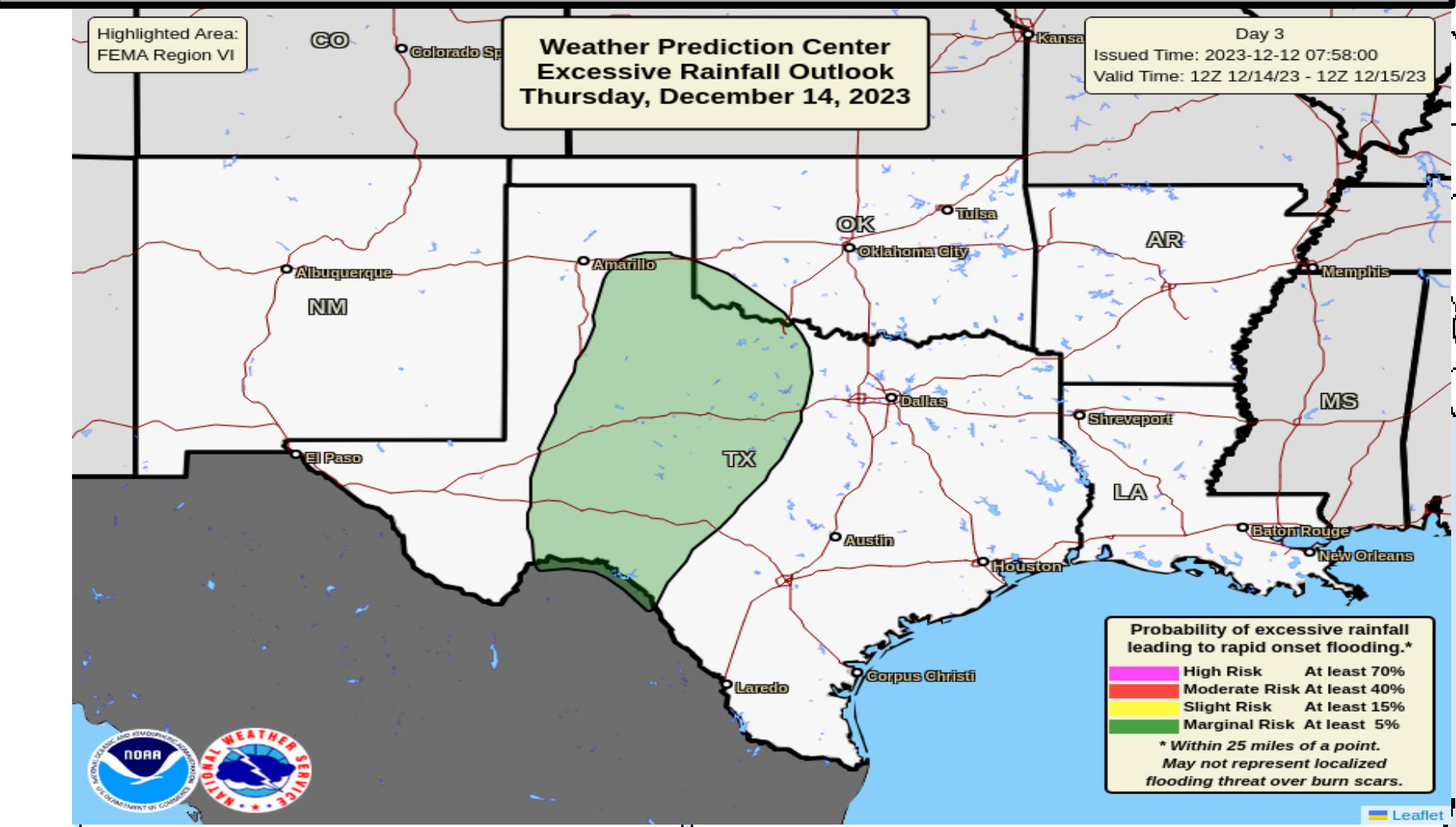


Heavy snow across NE NM.

## Severe Weather Outlook



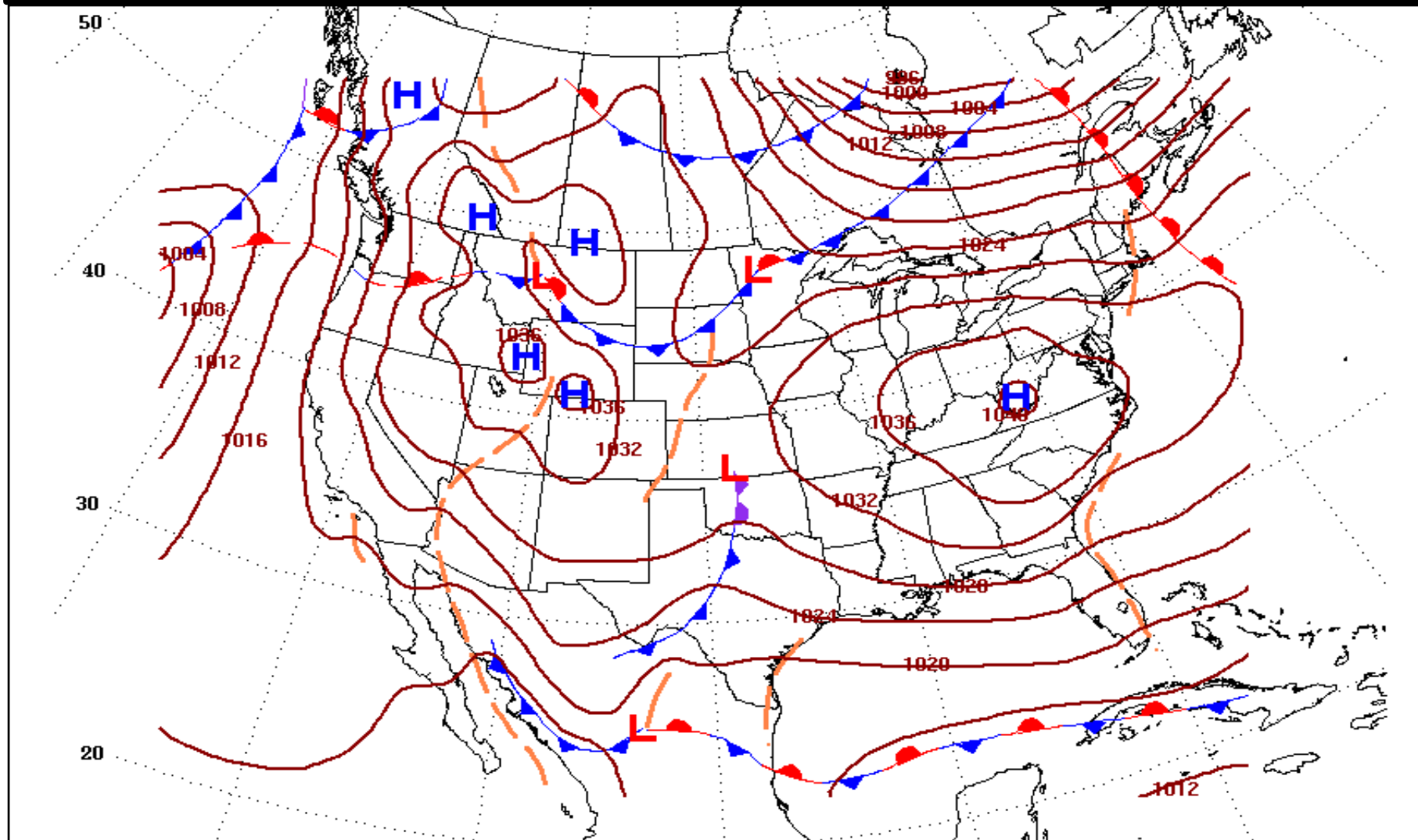
## Excessive Rainfall Outlook



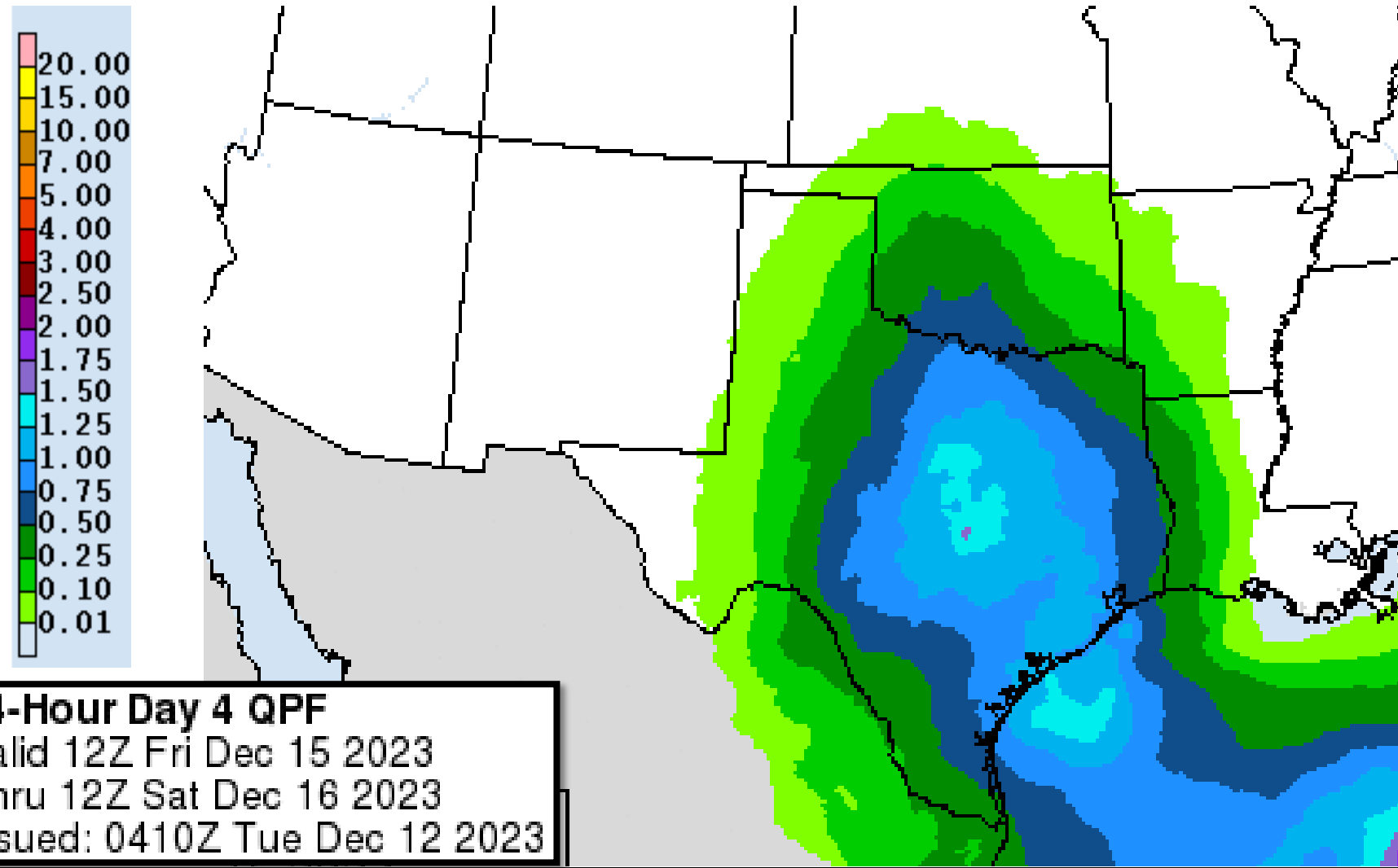


# Friday's Weather

## Forecast Chart



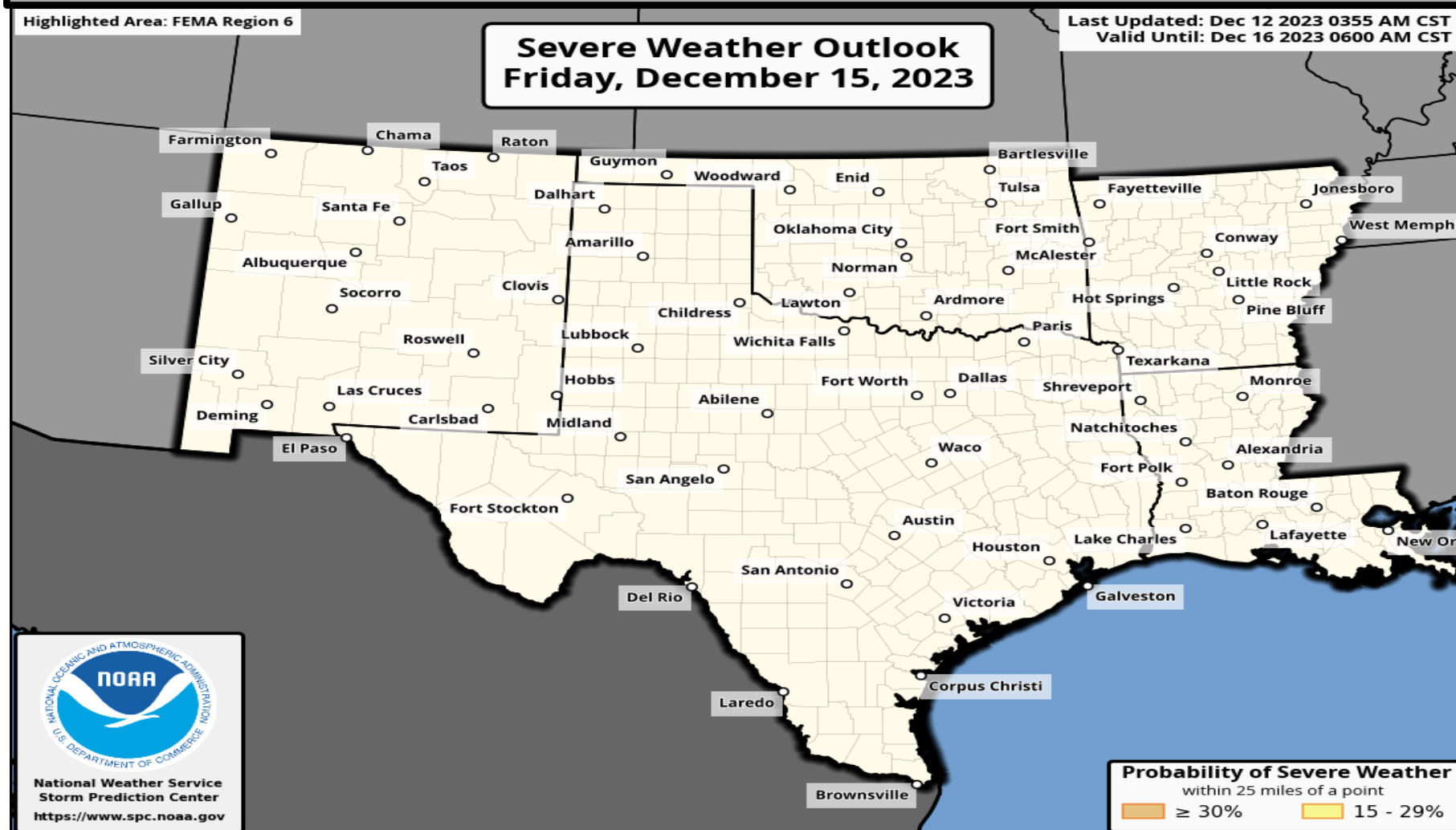
## Forecast Rainfall



**Heavy snow across NE NM.**

**24-Hour Day 4 QPF**  
Valid 12Z Fri Dec 15 2023  
Thru 12Z Sat Dec 16 2023  
Issued: 0410Z Tue Dec 12 2023

## Severe Weather Outlook



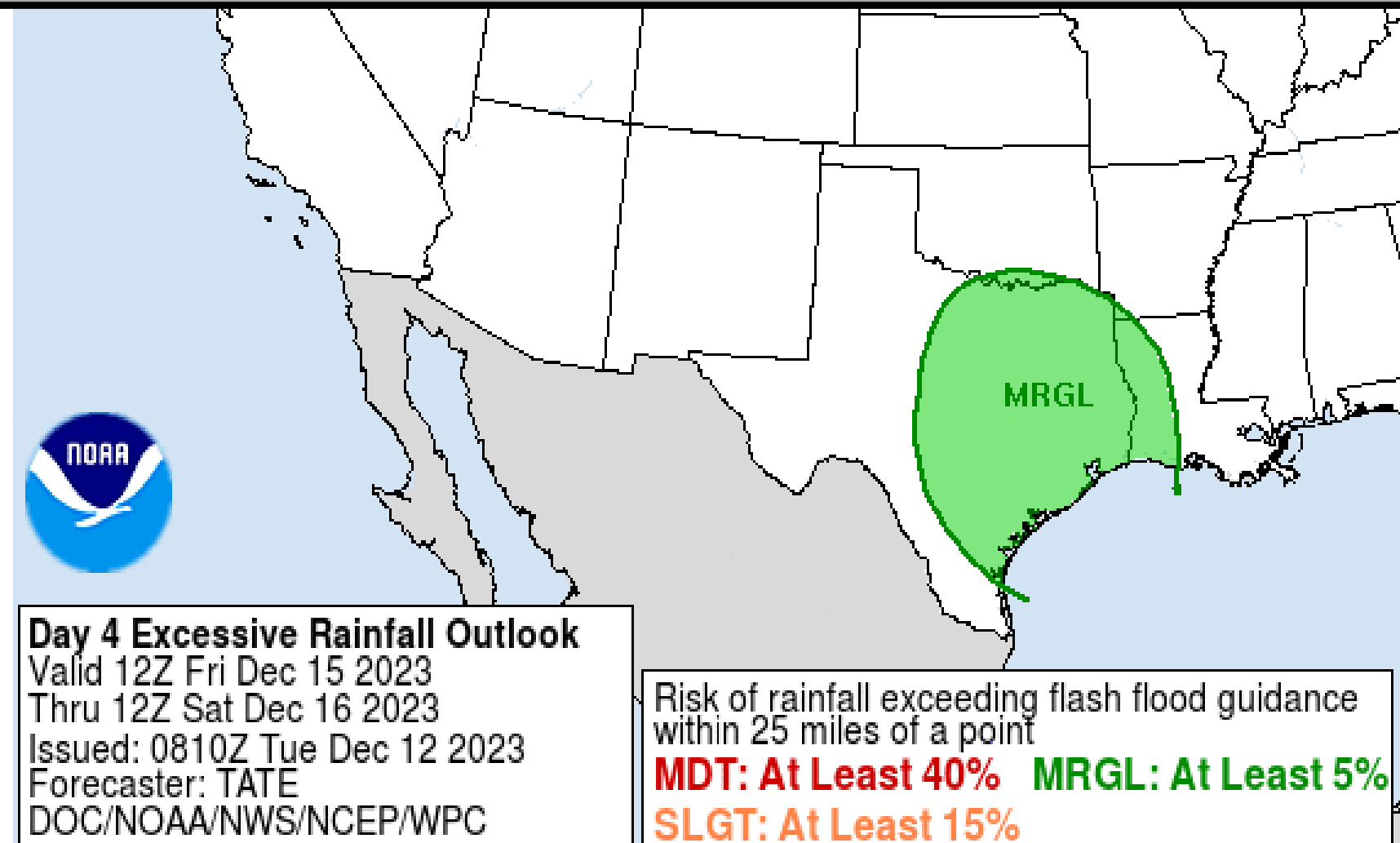
**Severe Weather Outlook**  
Friday, December 15, 2023

Last Updated: Dec 12 2023 0355 AM CST  
Valid Until: Dec 16 2023 0600 AM CST



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

## Excessive Rainfall Outlook



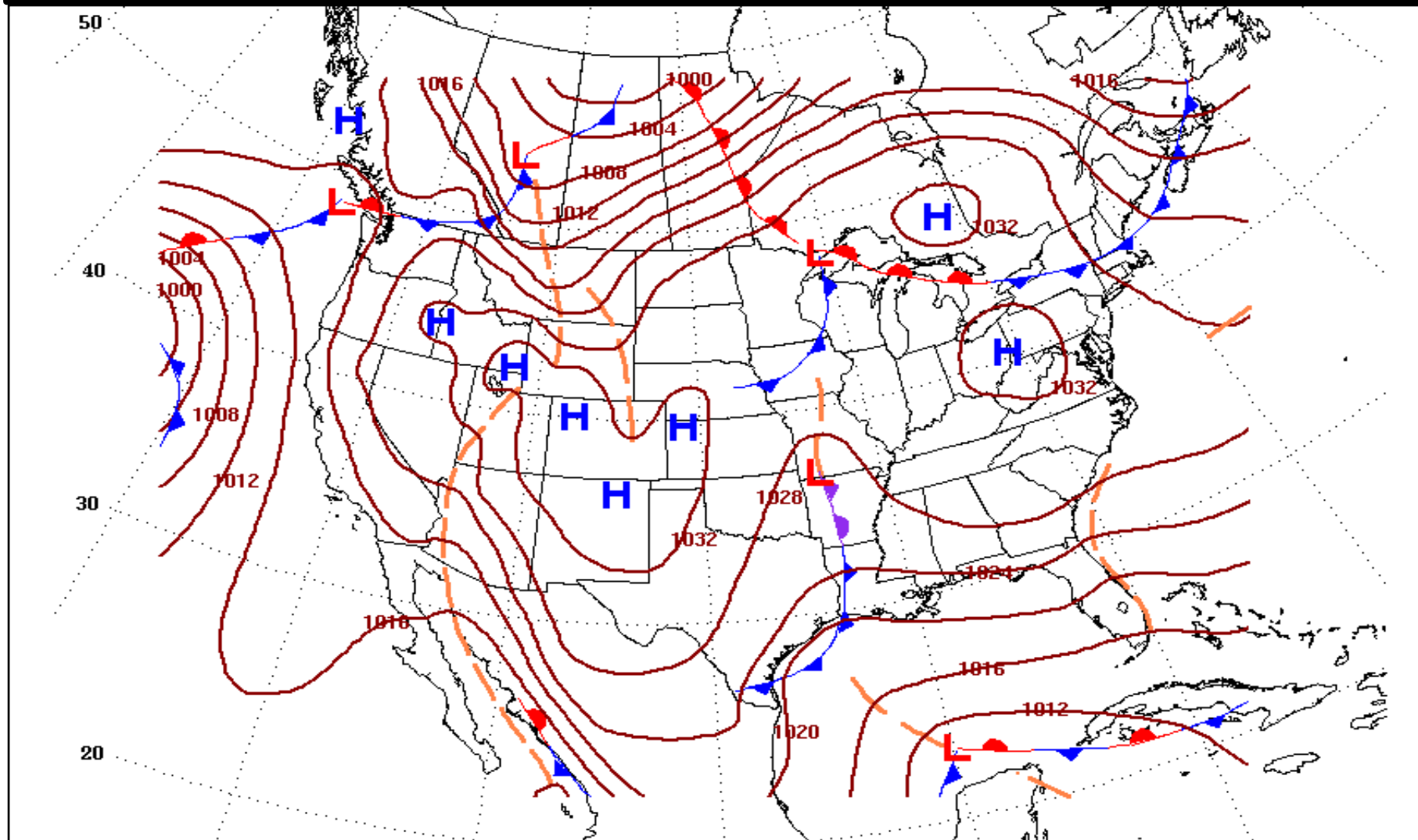
**Day 4 Excessive Rainfall Outlook**  
Valid 12Z Fri Dec 15 2023  
Thru 12Z Sat Dec 16 2023  
Issued: 0810Z Tue Dec 12 2023  
Forecaster: TATE  
DOC/NOAA/NWS/NCEP/WPC

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%**

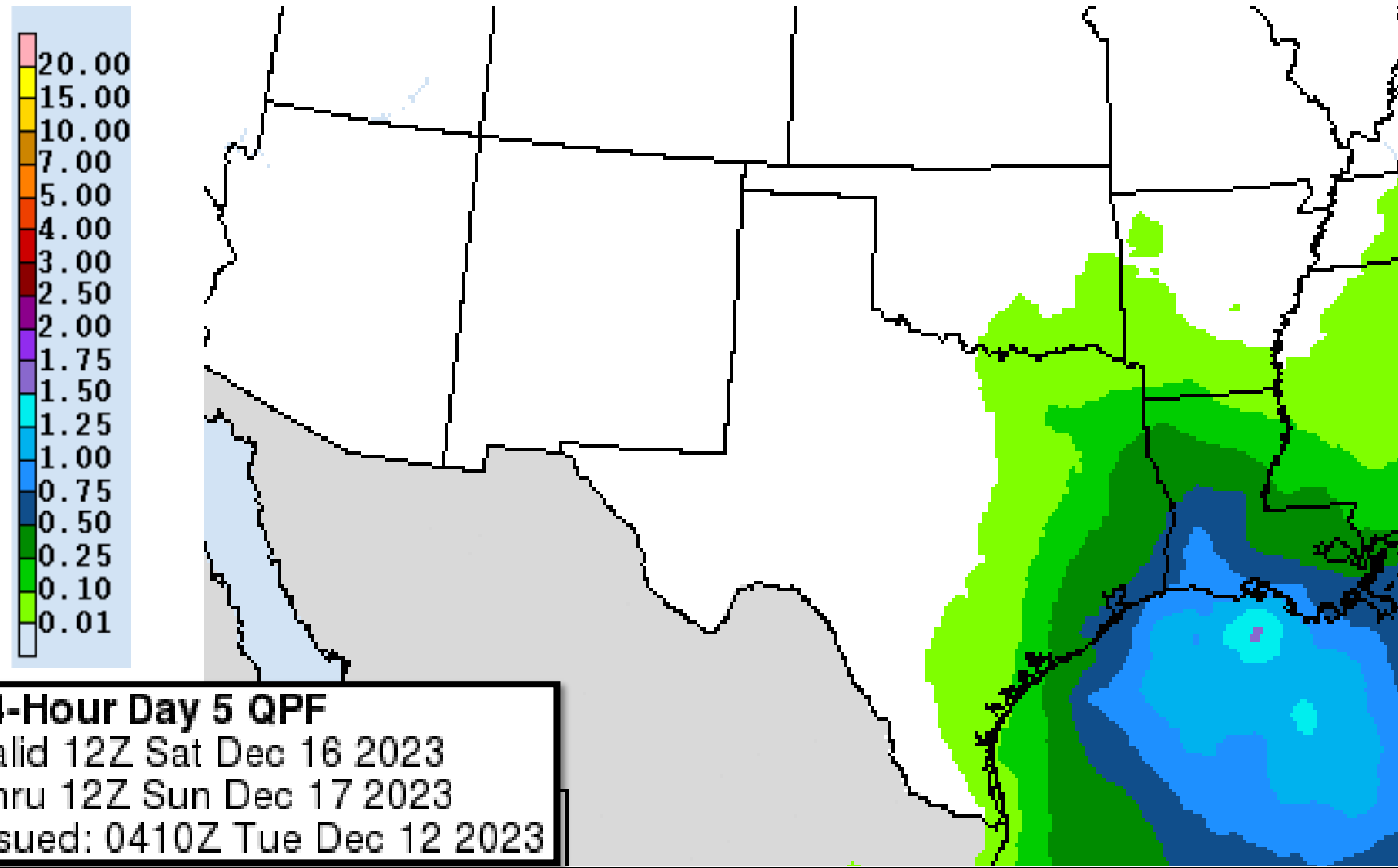


# Saturday's Weather

## Forecast Chart

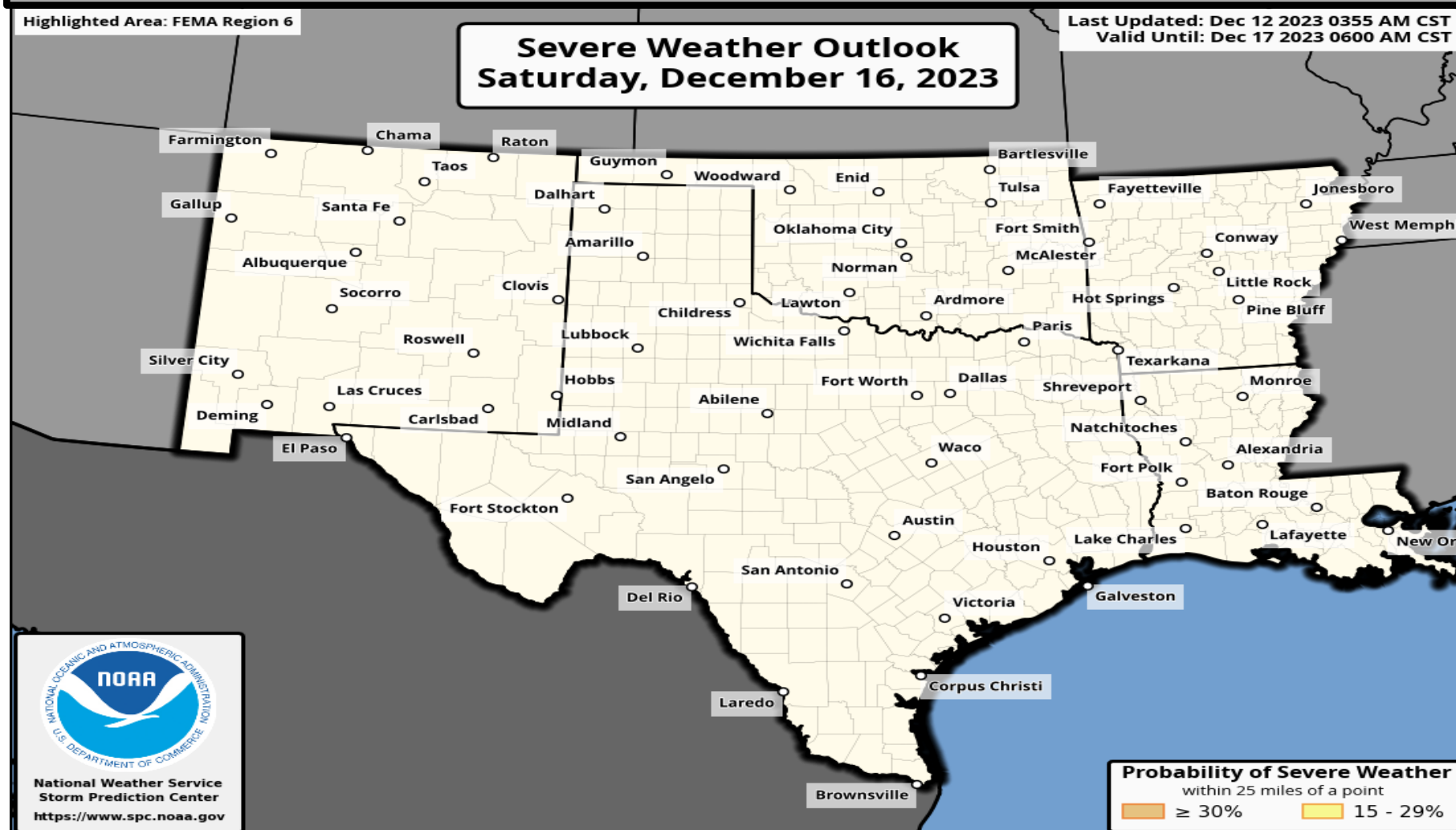


## Forecast Rainfall

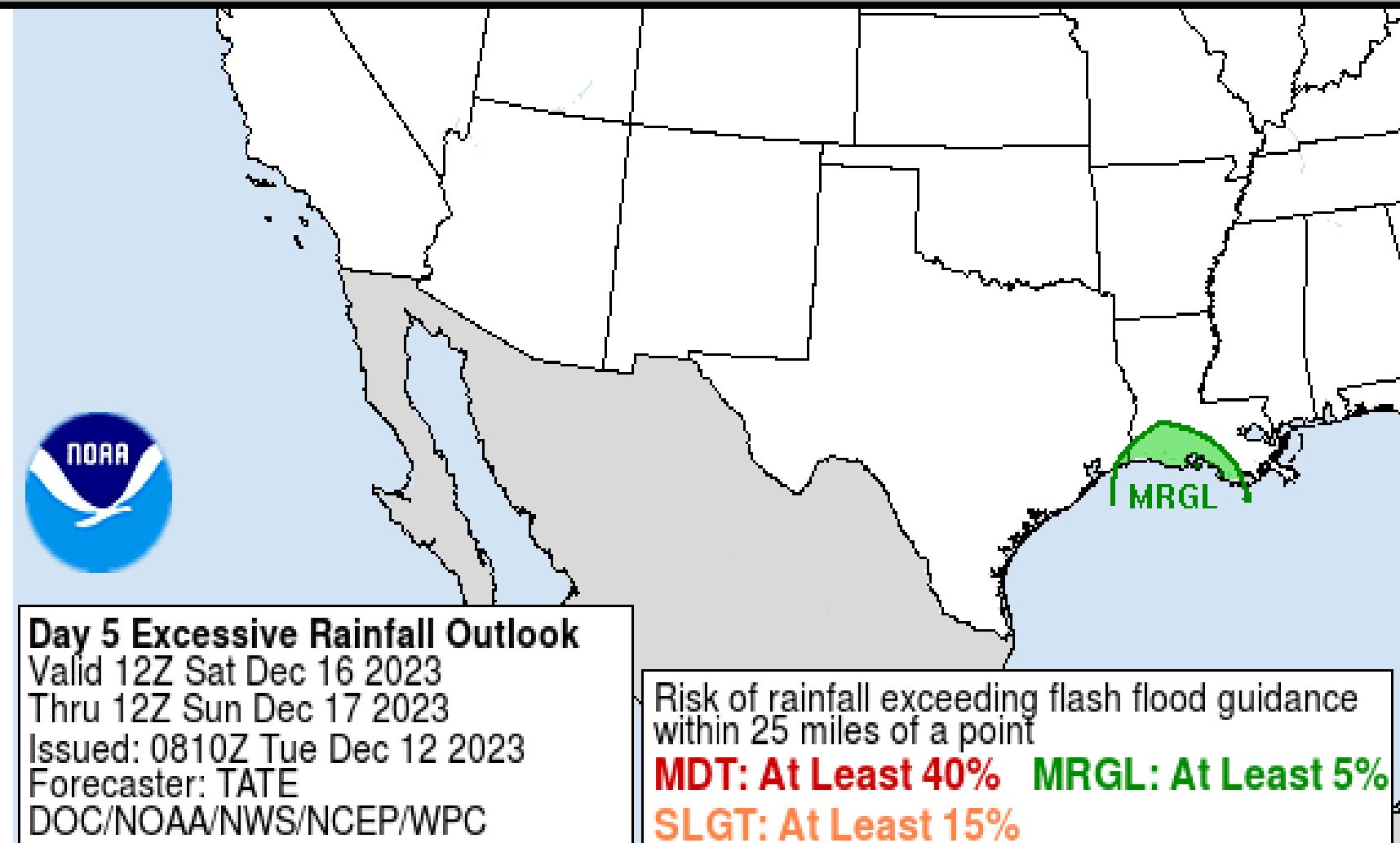


No significant weather expected.

## Severe Weather Outlook



## Excessive Rainfall Outlook

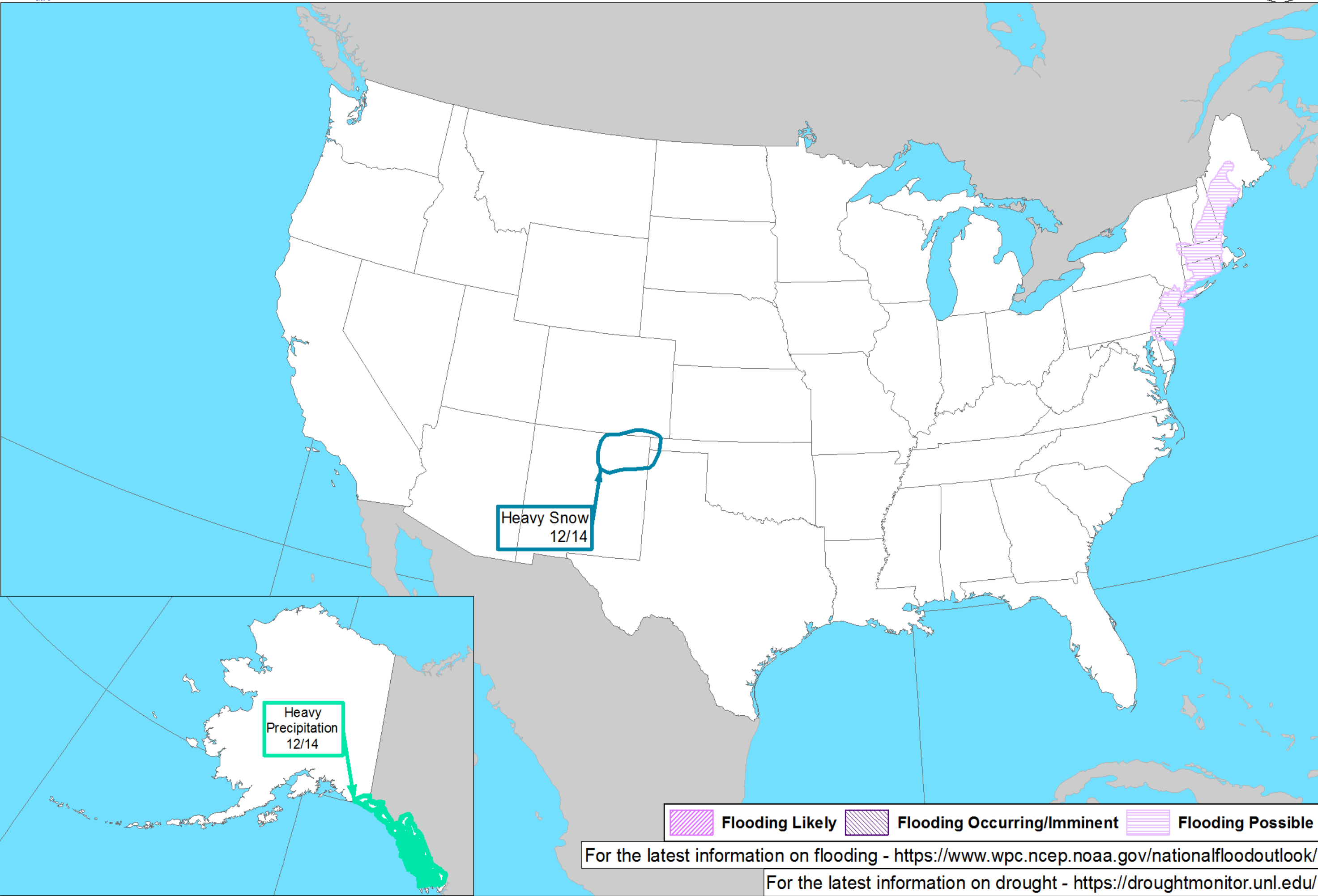




# “Day 3-7” Hazards Outlook



Day 3-7 U.S. Hazards Outlook  
Valid: 12/14/2023-12/18/2023



**NOTE:** These outlooks are issued in the afternoon and only issued on weekdays. Because of that and the fact that these slides are issued in the mornings:

- 1) The “day 3-7” will really be days 2-6
- 2) This slide will be hidden on Mondays and Sundays so the data/information is not too old

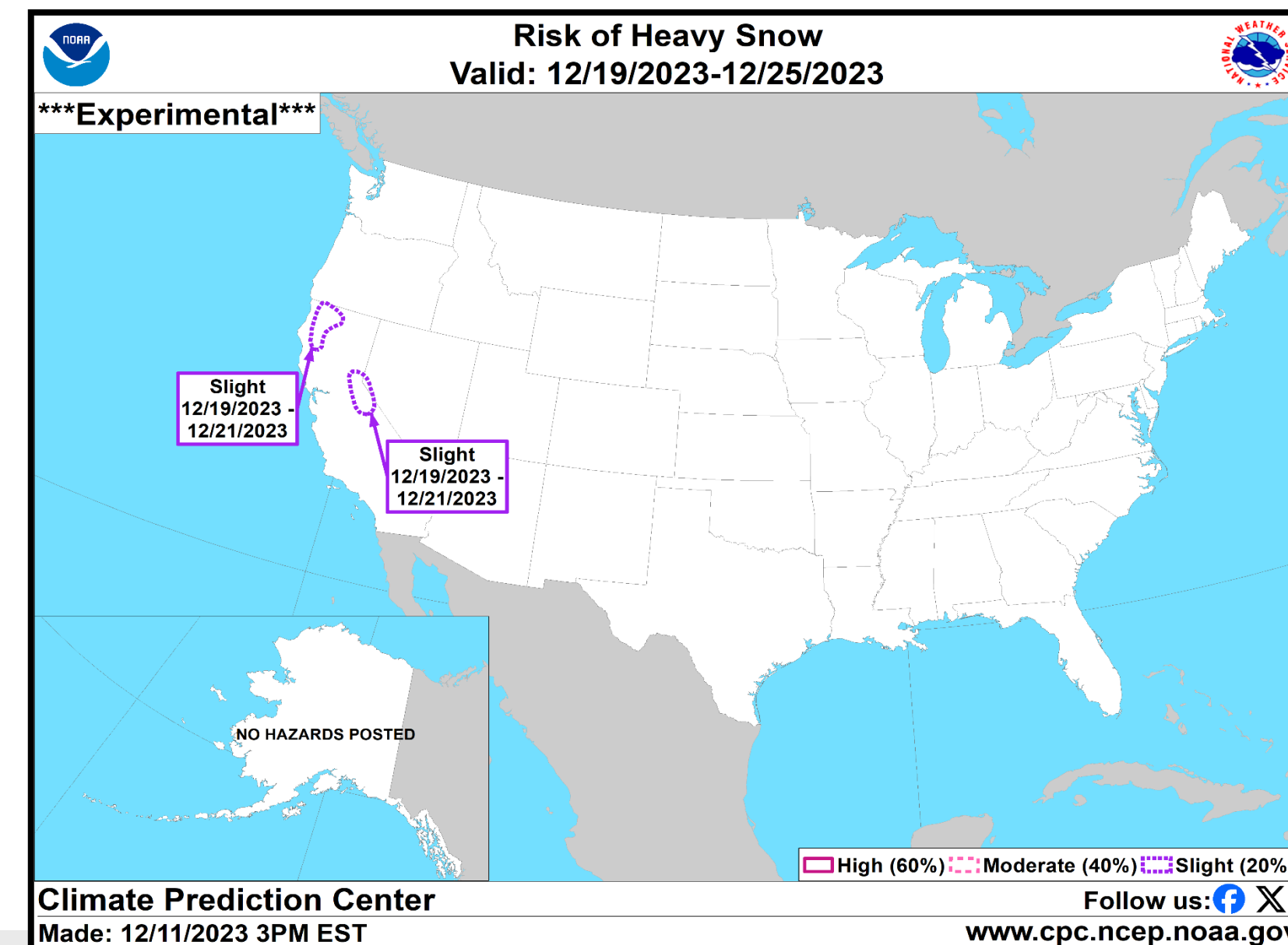
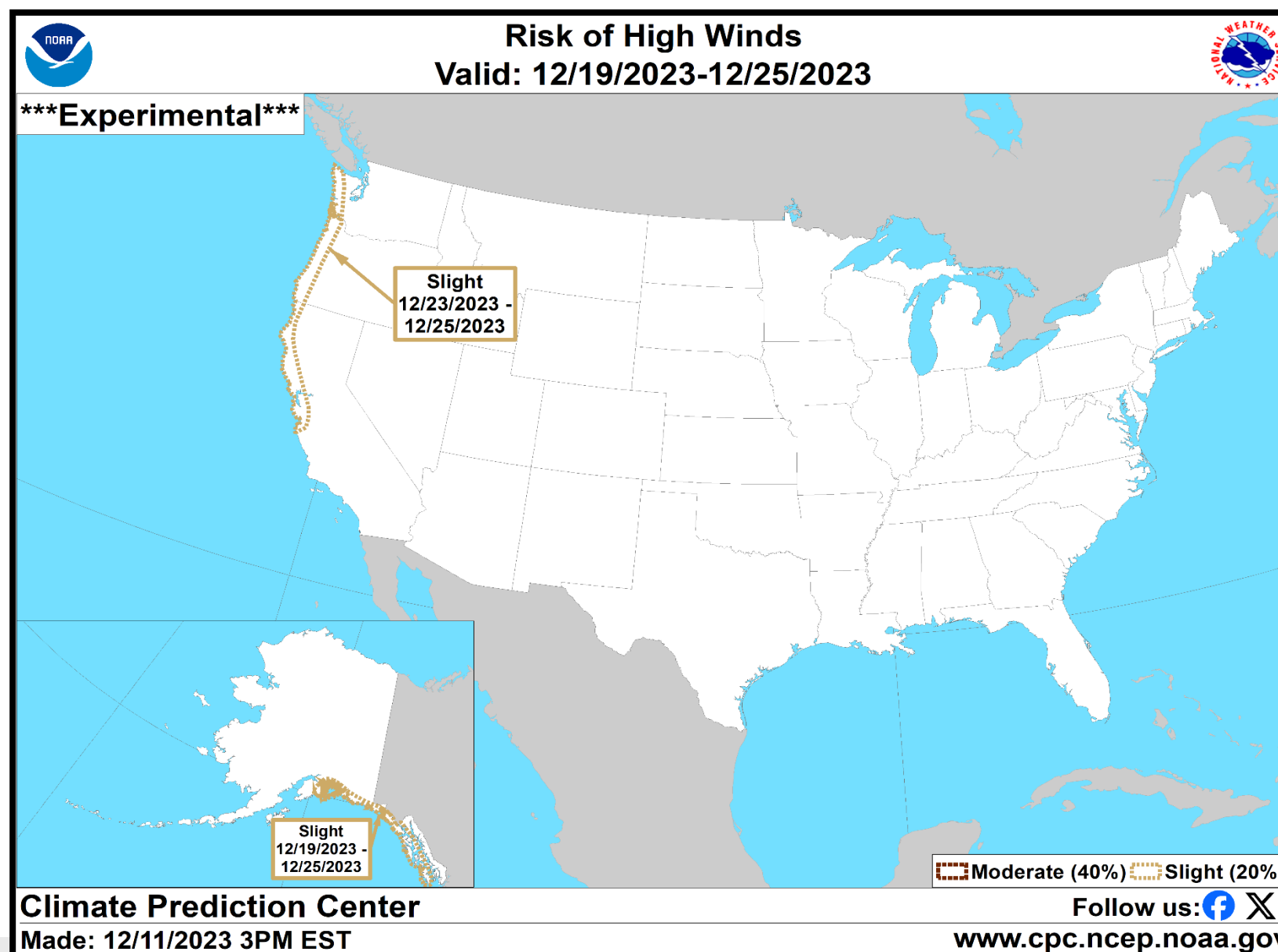
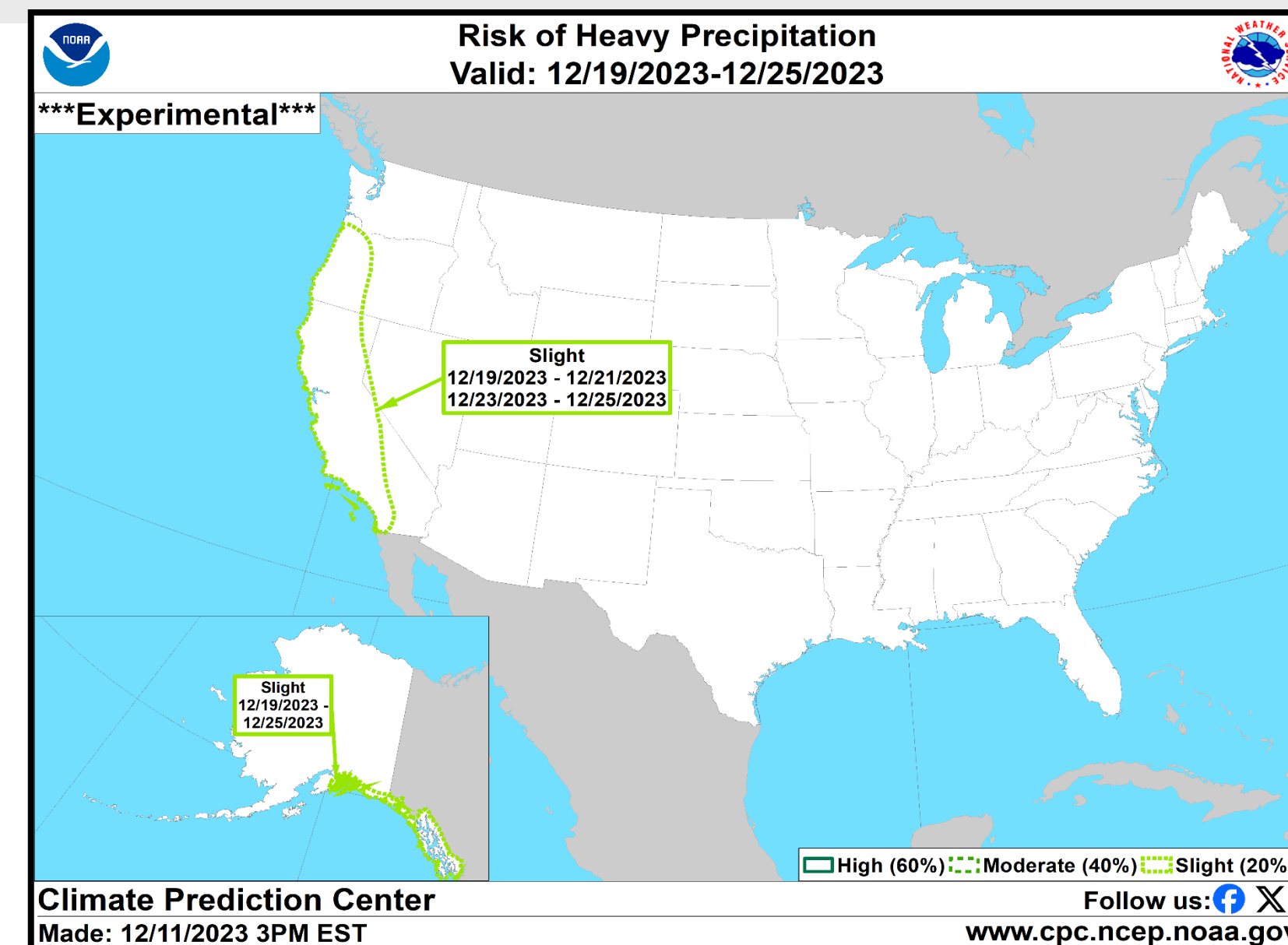
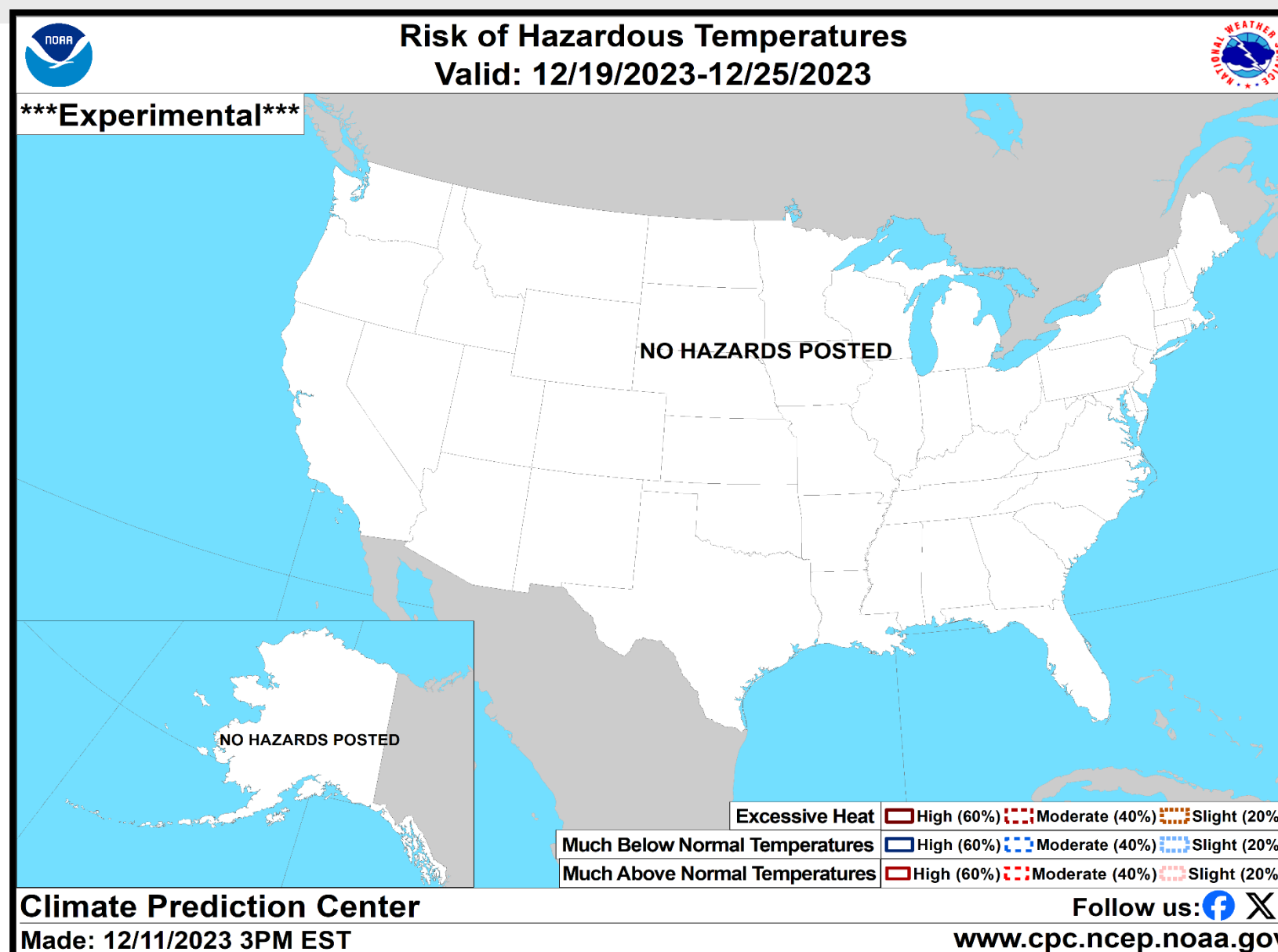
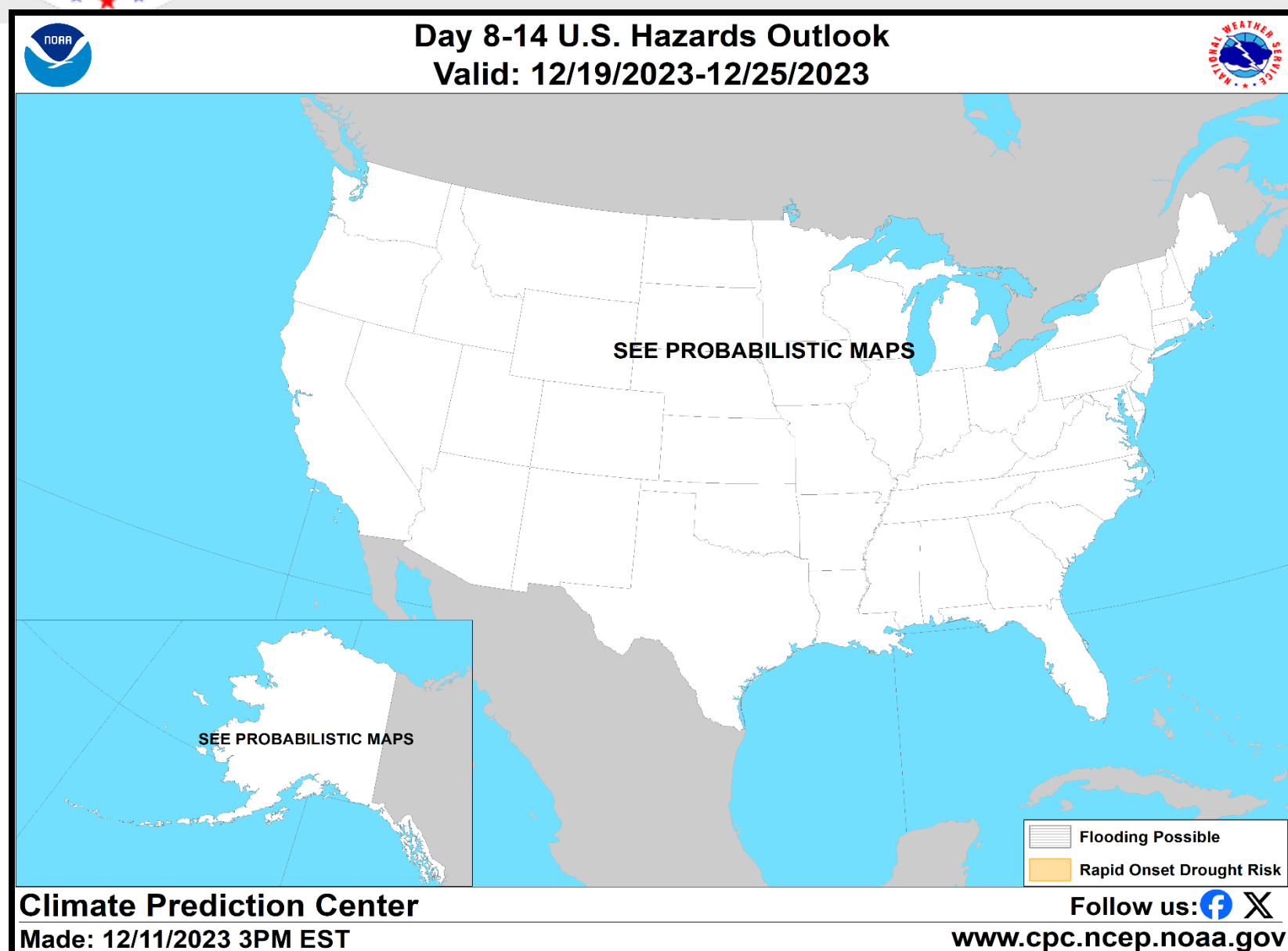
For additional information on this outlook go to <https://origin.wpc.ncep.noaa.gov/threats/threats.php>

Weather Prediction Center  
Made: 12/11/2023 02:29 PM EST

Follow us:   
[www.wpc.ncep.noaa.gov](http://www.wpc.ncep.noaa.gov)



# "Day 8-14" Hazards Outlook



**NOTE:** These outlooks are issued in the afternoon and only issued on weekdays. Because of that and the fact that these slides are issued in the mornings:

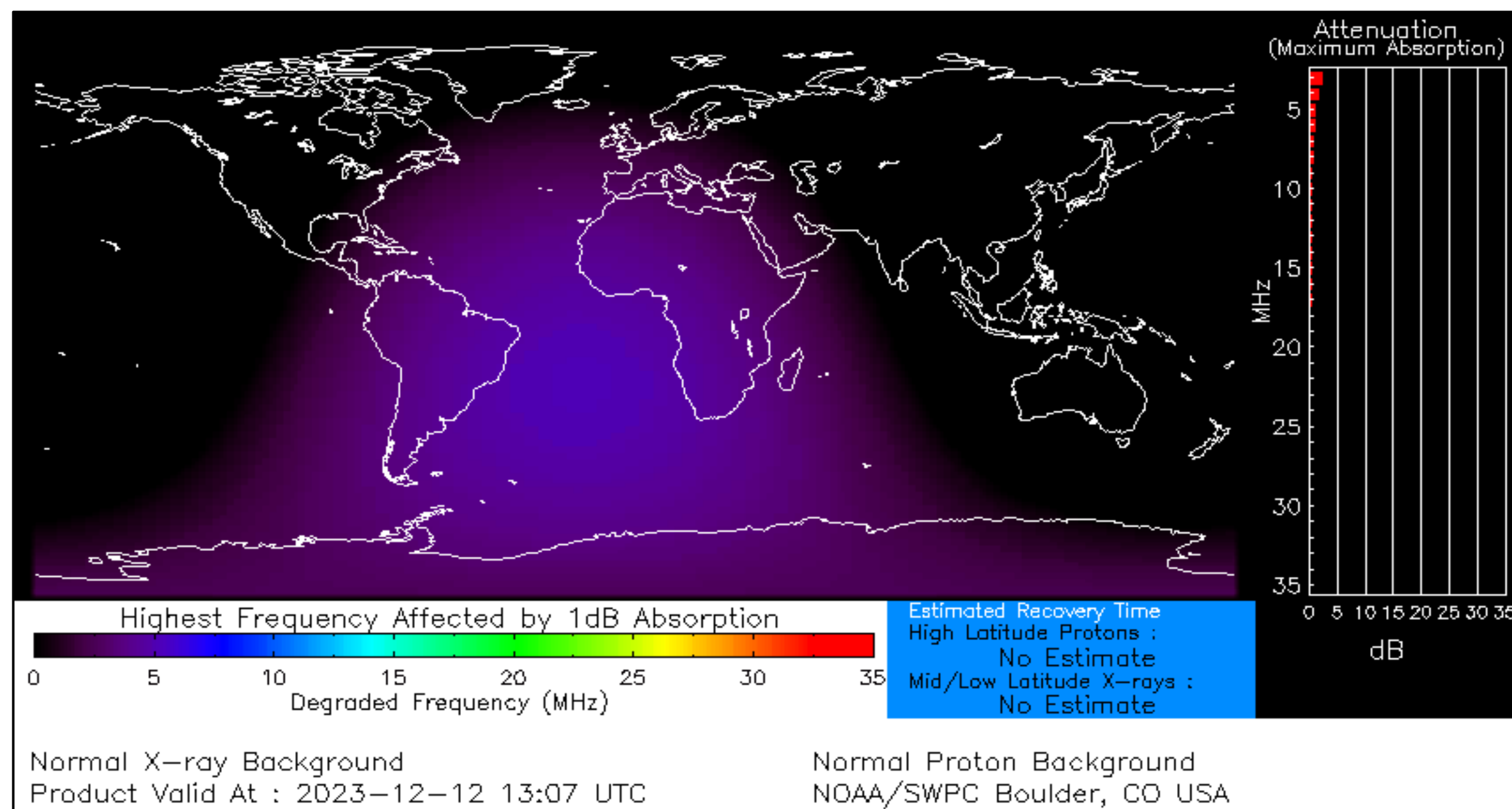
- 1) The "day 8-14" will really be days 7-13
- 2) This slide will be hidden on Mondays and Sundays so the data/information is not too old

For additional information on this outlook go to <https://www.cpc.ncep.noaa.gov/products/predictions/threats/threats.php>



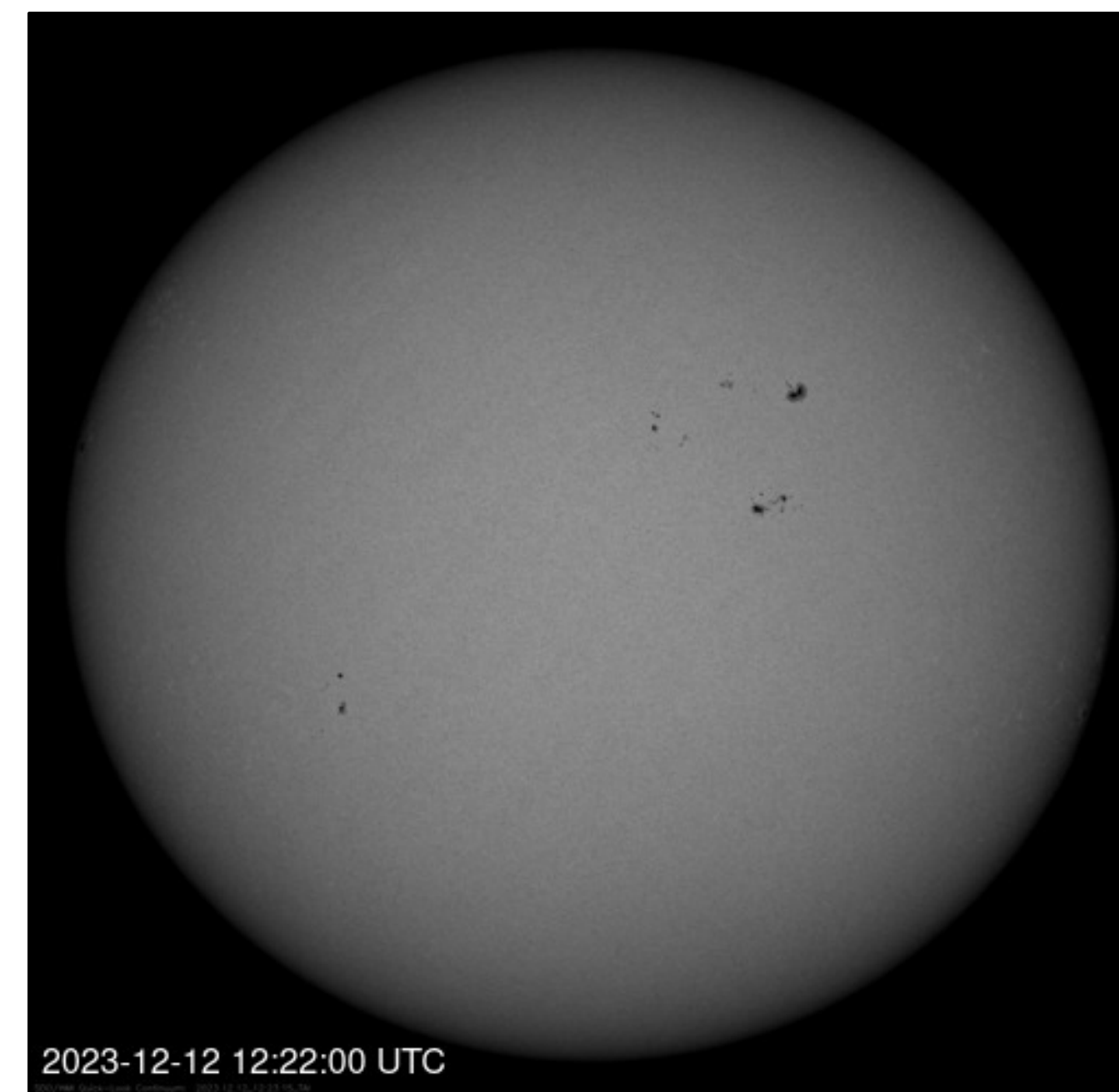
# Space Weather 3-Day Forecast

|                                      | Tuesday                           | Wednesday                         | Thursday                          |
|--------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>Geomagnetic Storms</b>            | <b>Unsettled<br/>(Max Kp = 3)</b> | <b>Unsettled<br/>(Max Kp = 3)</b> | <b>Unsettled<br/>(Max Kp = 3)</b> |
| <b>Solar Radiation Storm (S1-S5)</b> | <b>10%</b>                        | <b>5%</b>                         | <b>5%</b>                         |
| <b>Radio Blackout (R1-R2)</b>        | <b>55%</b>                        | <b>40%</b>                        | <b>40%</b>                        |
| <b>Radio Blackout (R3-R5)</b>        | <b>10%</b>                        | <b>5%</b>                         | <b>5%</b>                         |



[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<br/>Impact Potential: Typically Results in Little Inconvenience to Daily Routines</p>   | <p>Severe: Marginal Risk from SPC<br/>Flooding: Minor flooding expected over localized areas<br/>Tropical: None<br/>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<br/>Impact Potential: Typically Results in Some Inconvenience to Daily Life</p>  | <p>Severe: Slight Risk from SPC<br/>Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas<br/>Tropical: A weak tropical wave expected to move towards or near any coastline<br/>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<br/>Impact Potential: Typically Results in Minor Disruption to Daily Life</p>                                     | <p>Severe: Enhanced Risk from SPC<br/>Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas<br/>Tropical: A Tropical Storm expected to move towards or near any coastline<br/>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<br/>Impact Potential: Will likely result in Large Disruption to Daily Life</p>                            | <p>Severe: Moderate Risk from SPC<br/>Flooding: Moderate flooding expected over a widespread area (including urban locations)<br/>Tropical: A Hurricane expected to move towards or near any coastline<br/>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<br/>Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life</p> | <p>Severe: High Risk from SPC<br/>Flooding: Major flooding expected over a widespread area (including urban locations)<br/>Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline<br/>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.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)