



# FEMA



Prepared by  
*Kurt Van Speybroeck*

# FEMA Region 6 Weather Threat Briefing

Monday January 29, 2024

**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).



# Summary of the Upcoming Week

- **No significant weather expected through Thursday.**
- **Moderate/isolated major river flooding across SE TX.**
- **Isolated moderate flooding across E TX, LA, and AR.**



# FEMA Region 6 Threat Matrix

Jan 29, 2024 - Feb 2, 2024

| DAY / THREAT                | Mon        | Tue        | Wed        | Thu        | Fri        |
|-----------------------------|------------|------------|------------|------------|------------|
| Severe Storms               |            |            |            |            |            |
| Heavy Rain / Flash Flooding |            |            |            |            |            |
| Fire Weather                |            |            |            |            |            |
| Cold                        |            |            |            |            |            |
| Winter Weather              |            |            |            |            | NM         |
| River Flooding              | SETX, S LA | SETX, S LA | ETX, LA,AR | ETX, LA,AR | ETX, LA,AR |

- 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

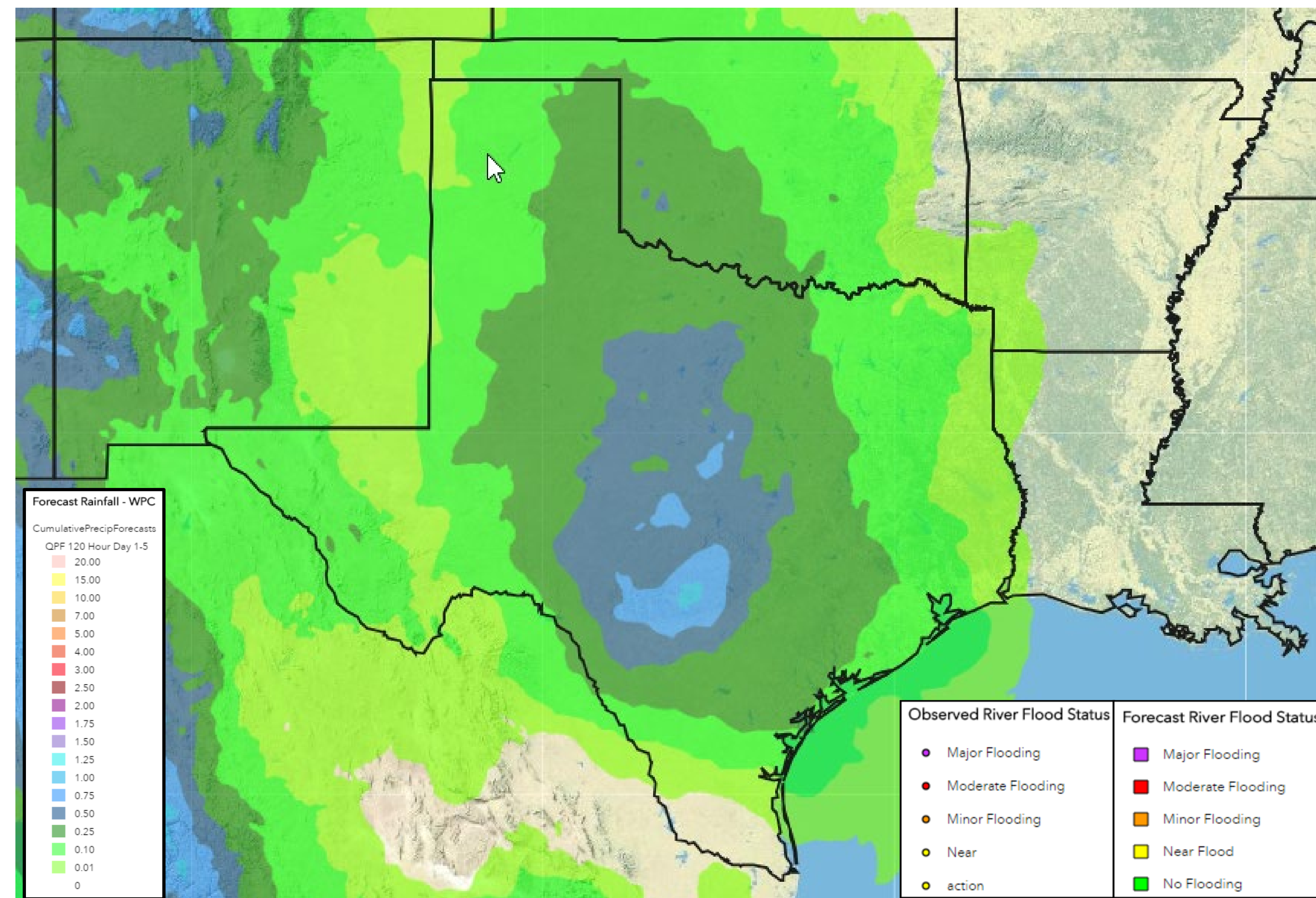
*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

*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



**Minor to moderate river flooding across ETX, S LA, AR. Impacts to agricultural and recreational areas.**

**Southeast Texas**

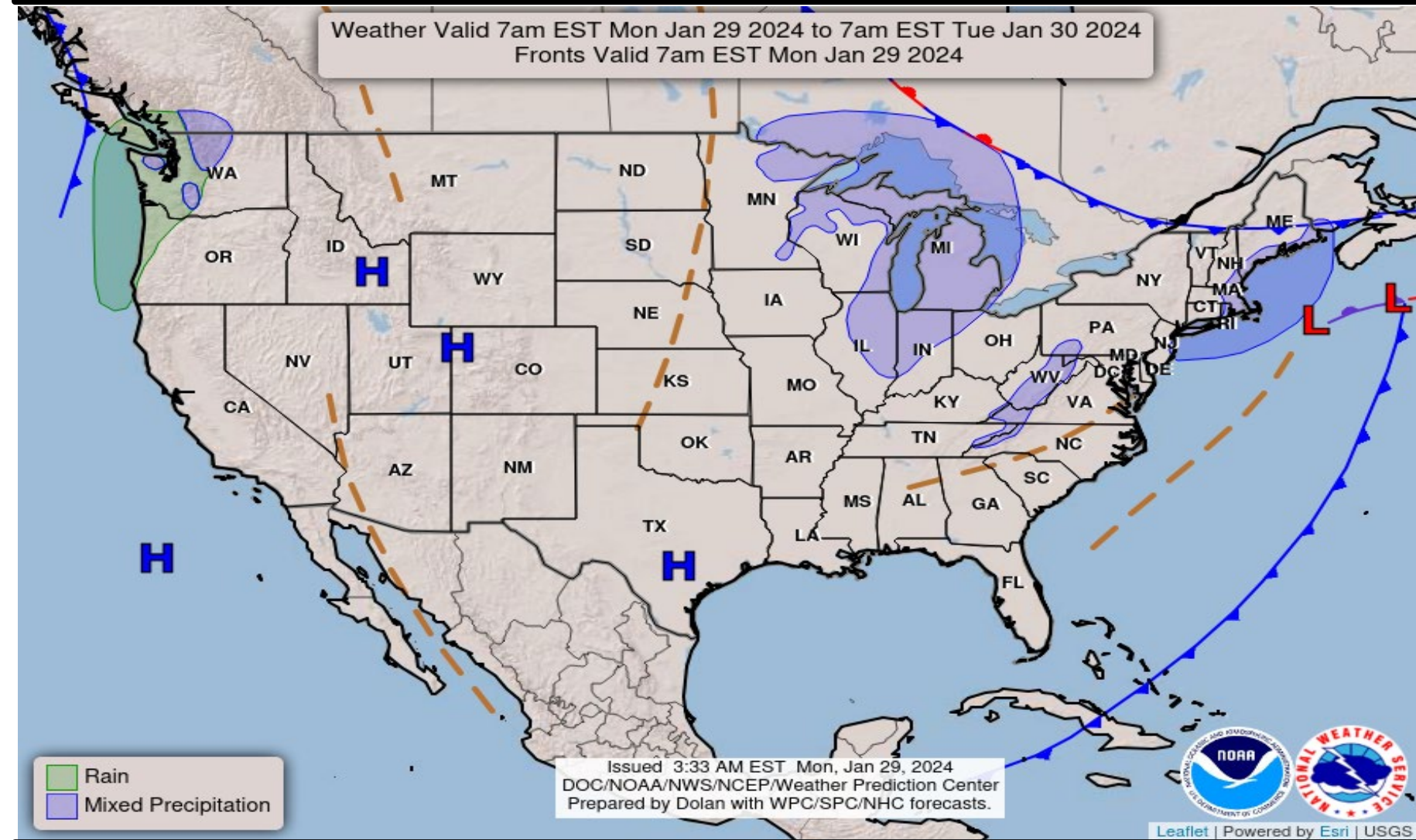
- **Trinity River at Liberty is in major flood stage with several homes impacted.**

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

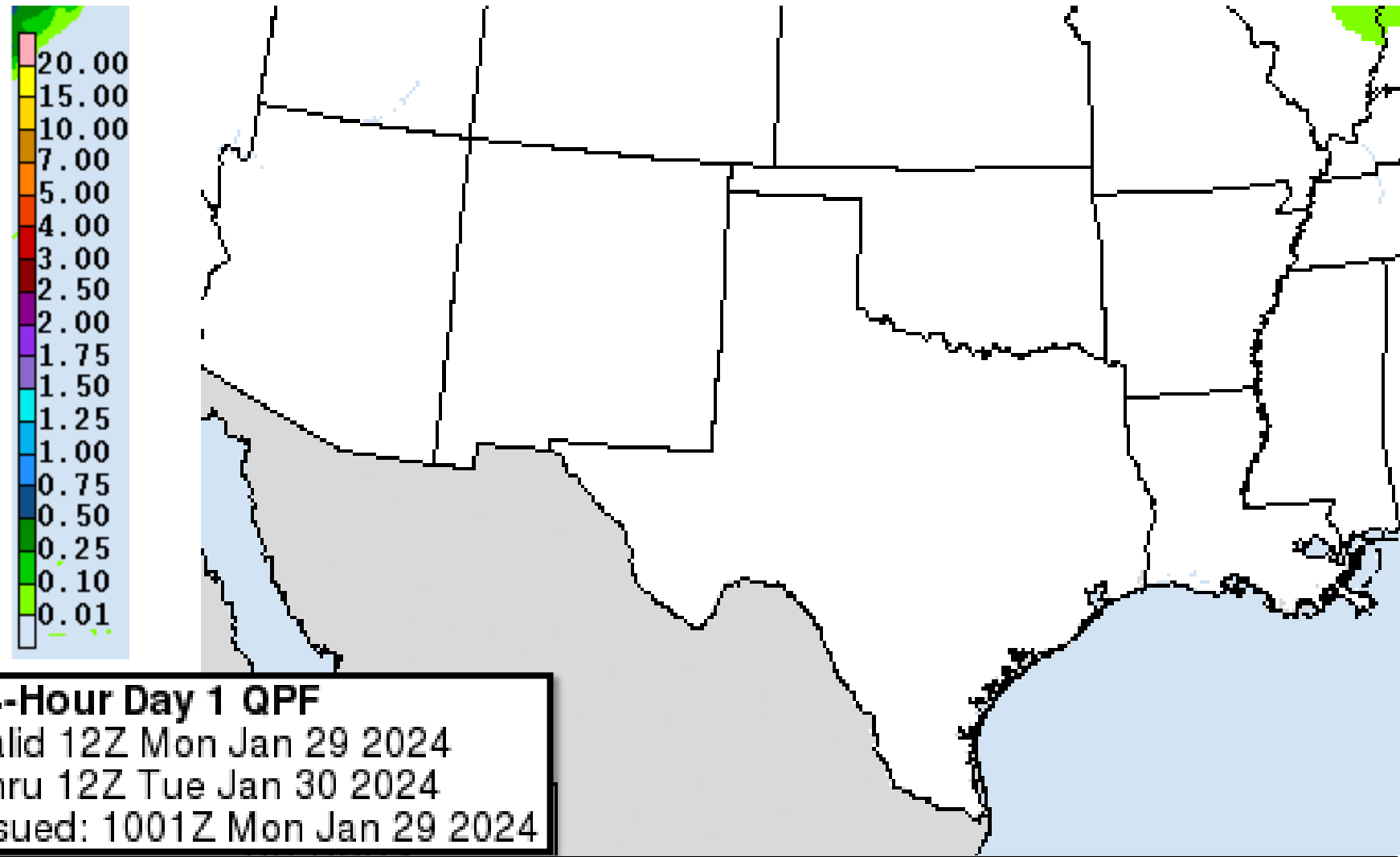


# Today's Weather

## Forecast Chart

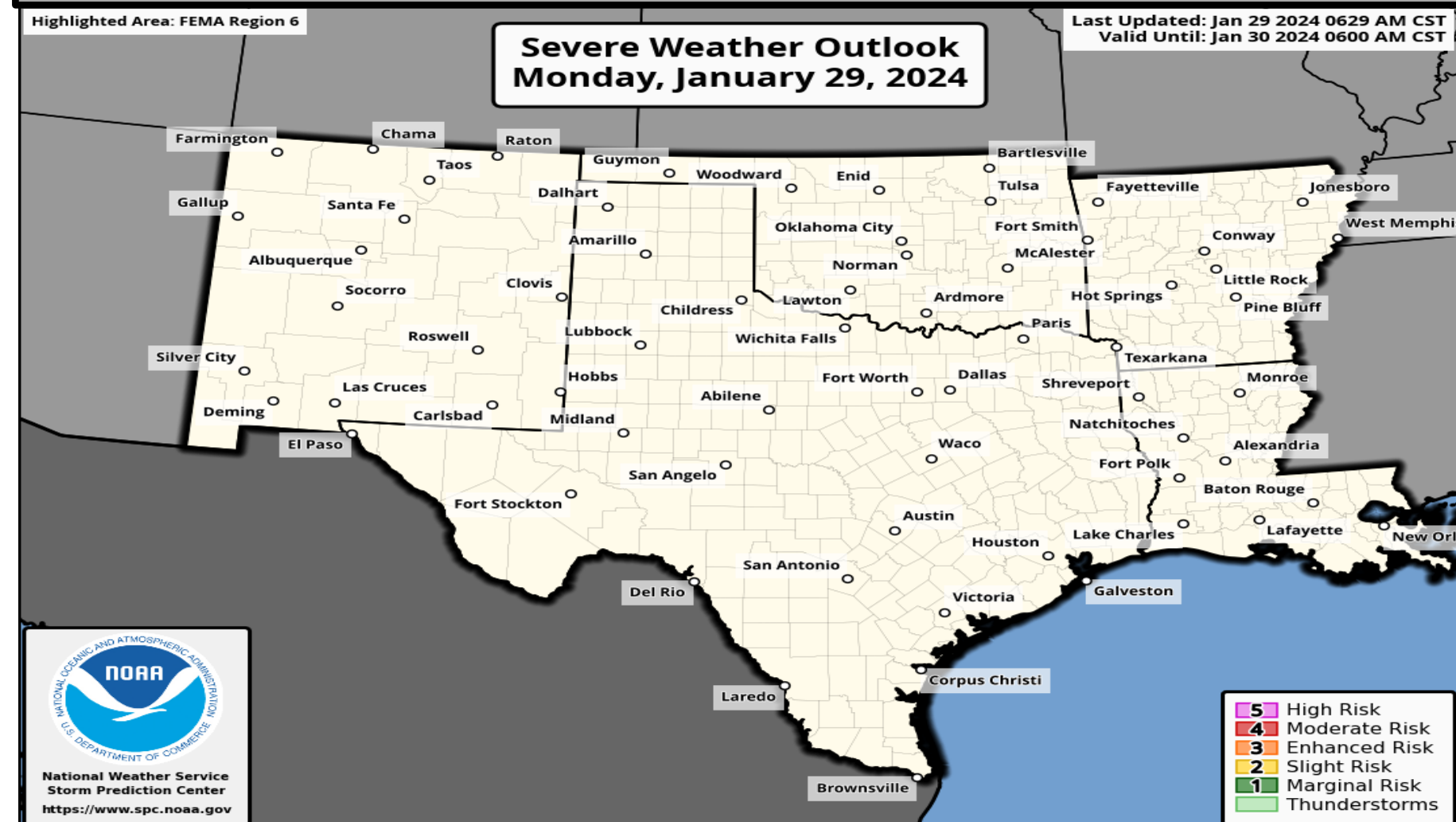


## Forecast Rainfall

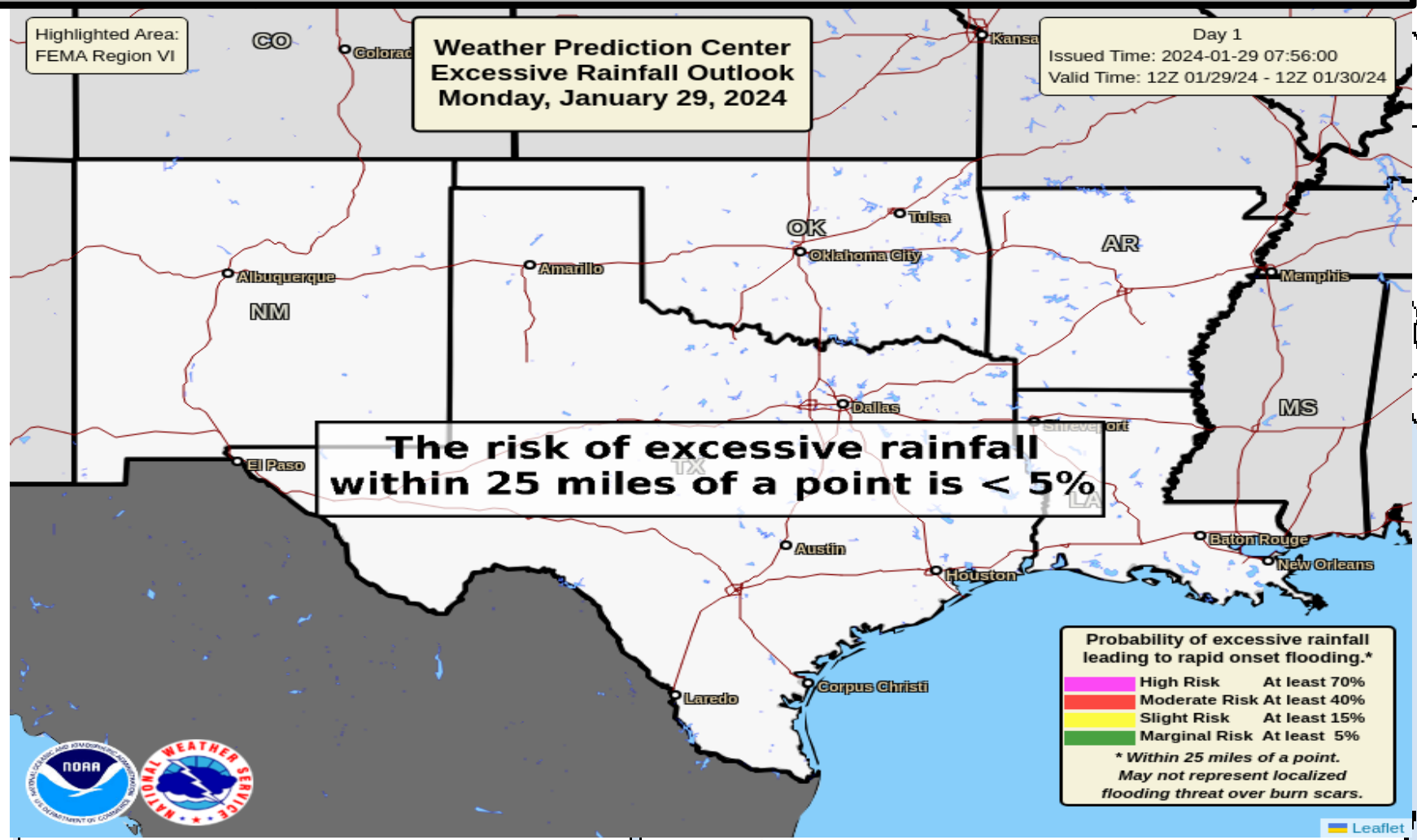


No significant weather expected.

## Severe Weather Outlook

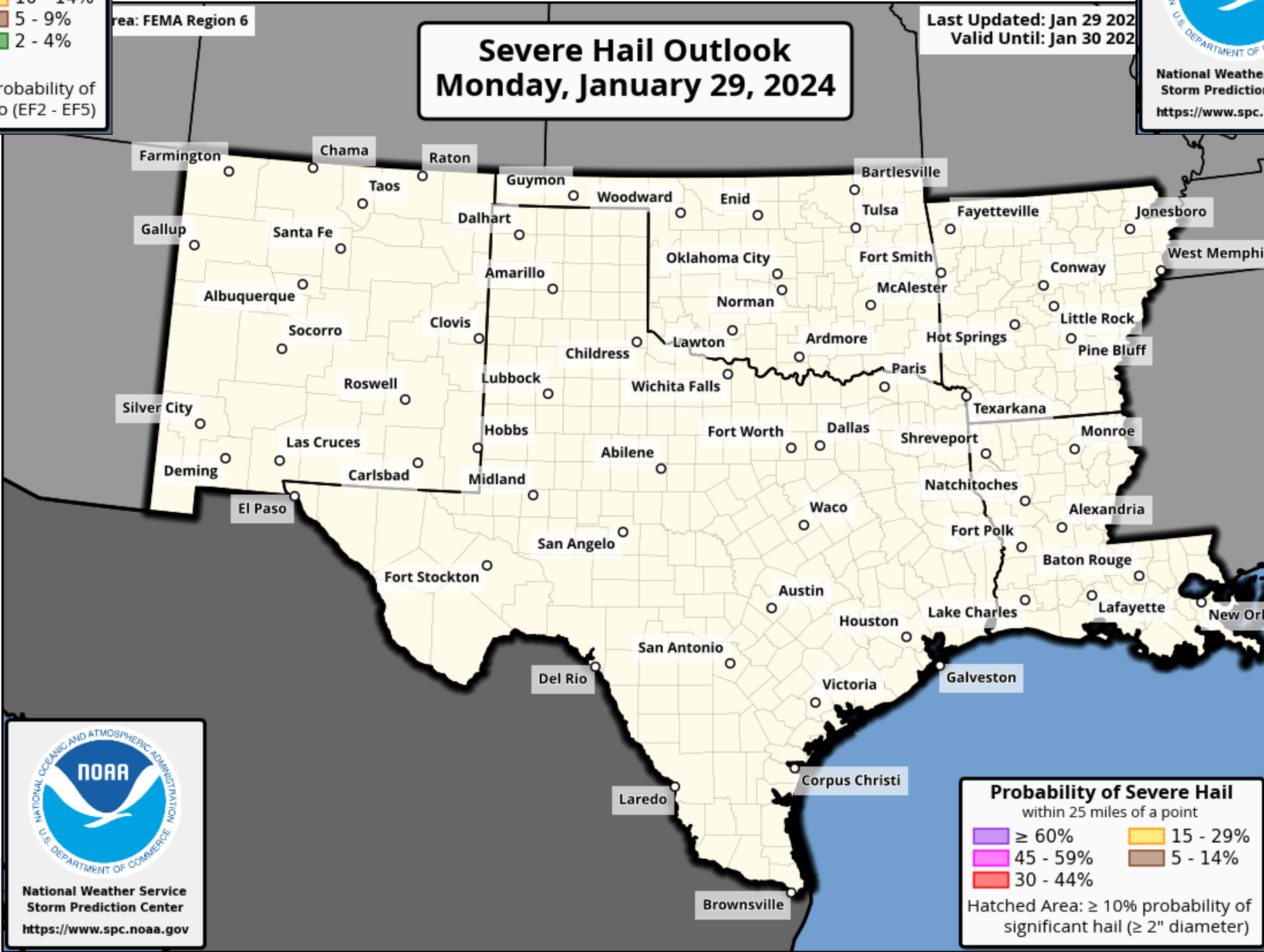
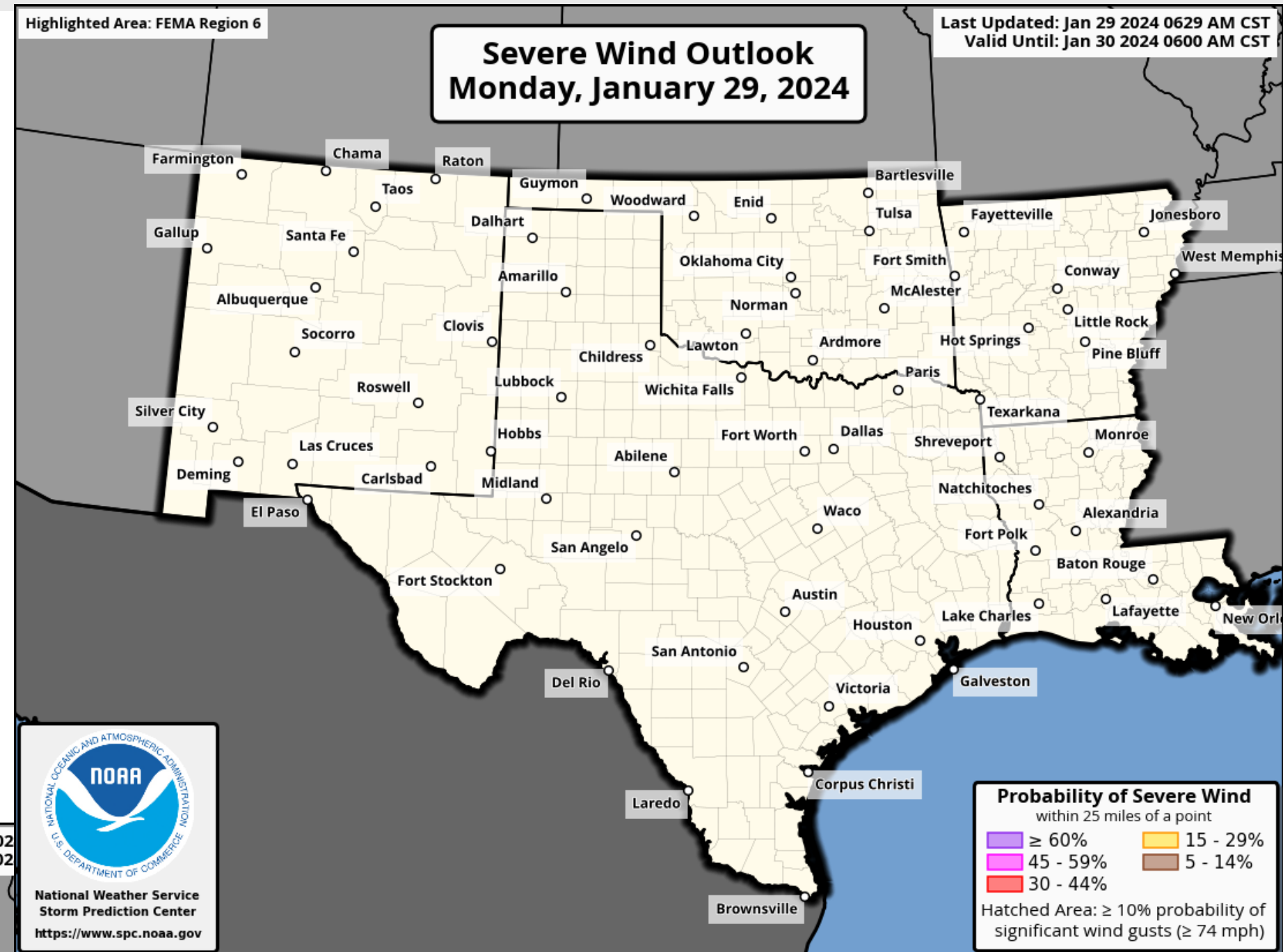
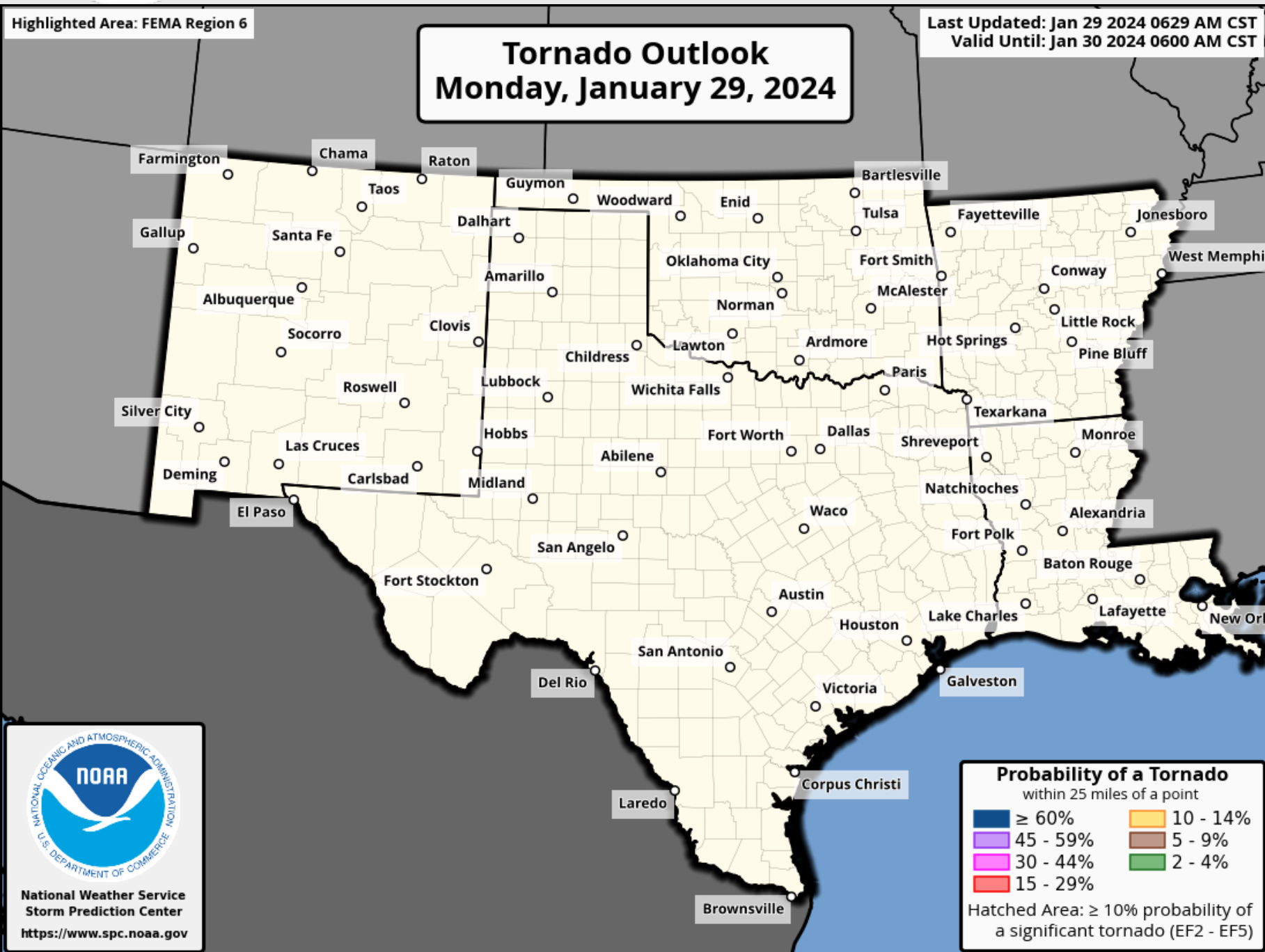


## Excessive Rainfall Outlook





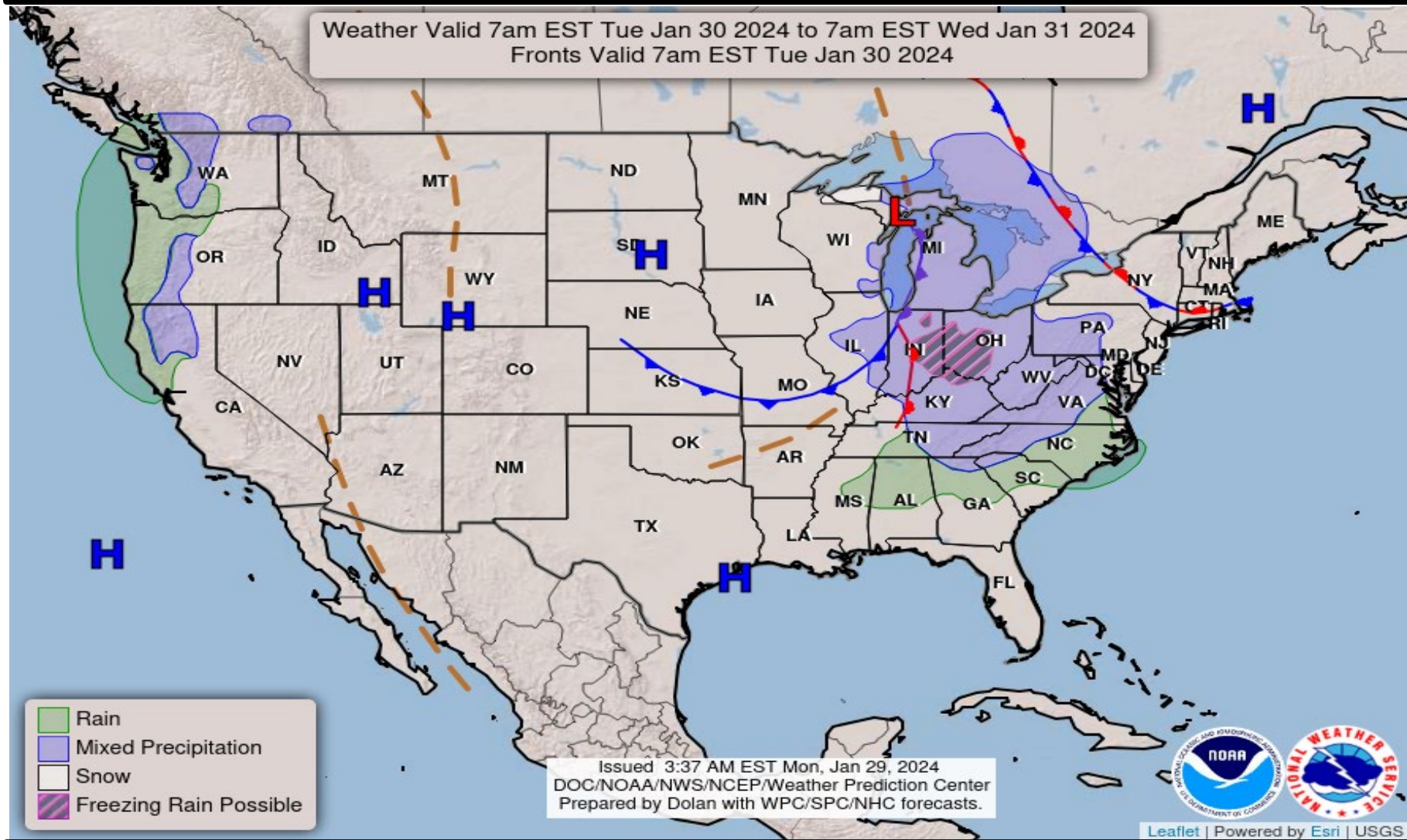
# Today's Tornado & Severe Wind / Hail Probabilities



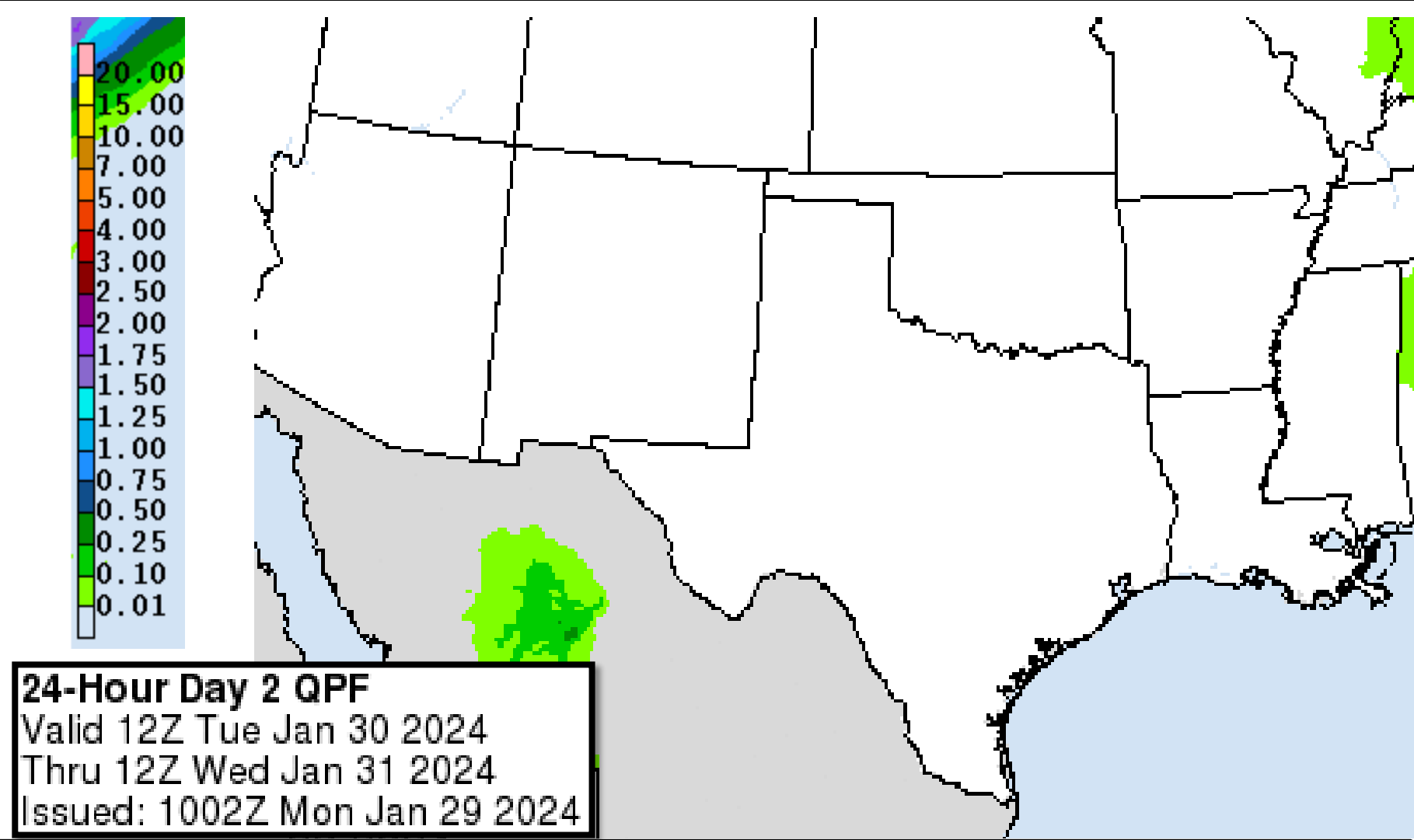


# Tomorrow's Weather

## Forecast Chart

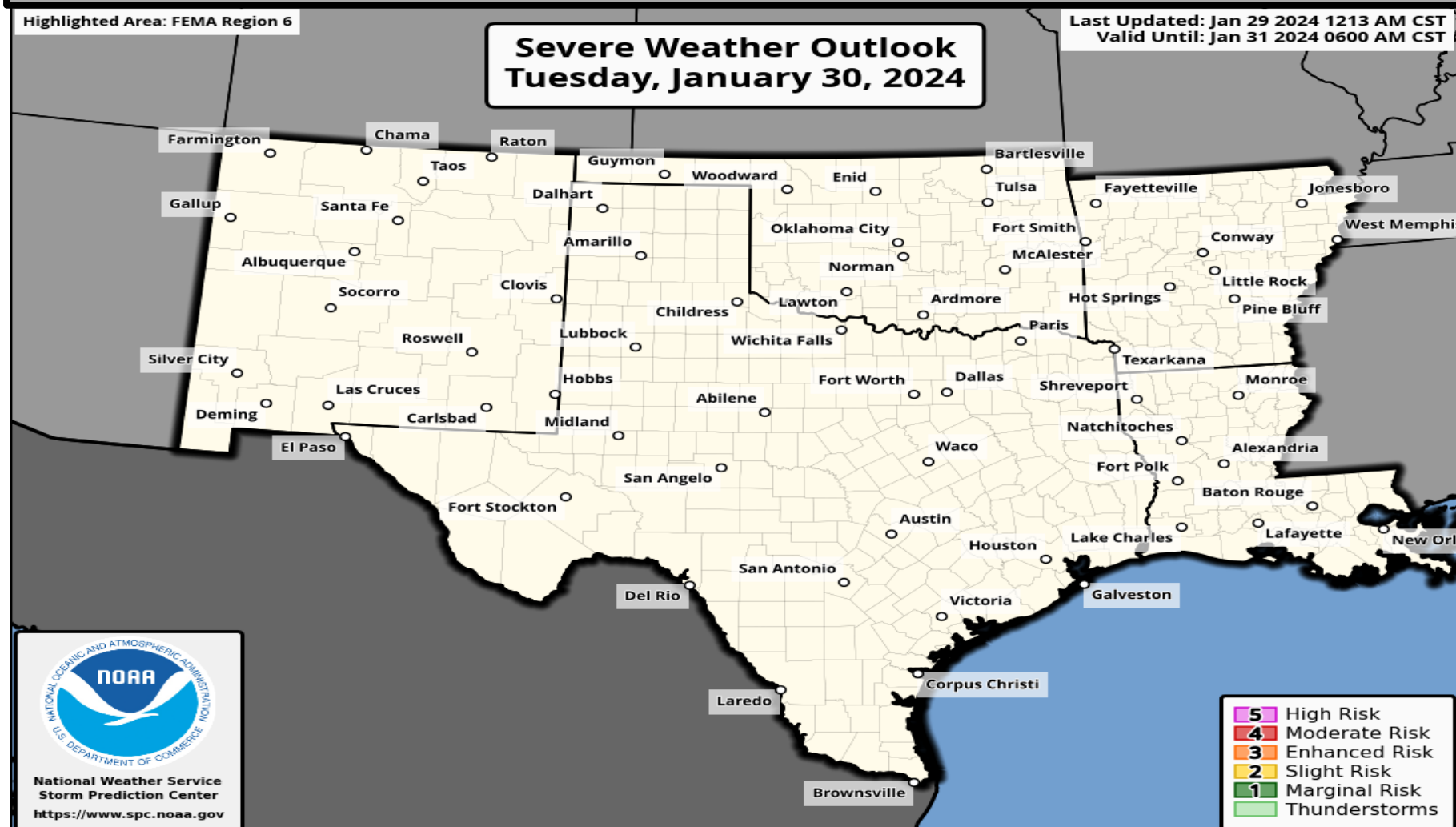


## Forecast Rainfall

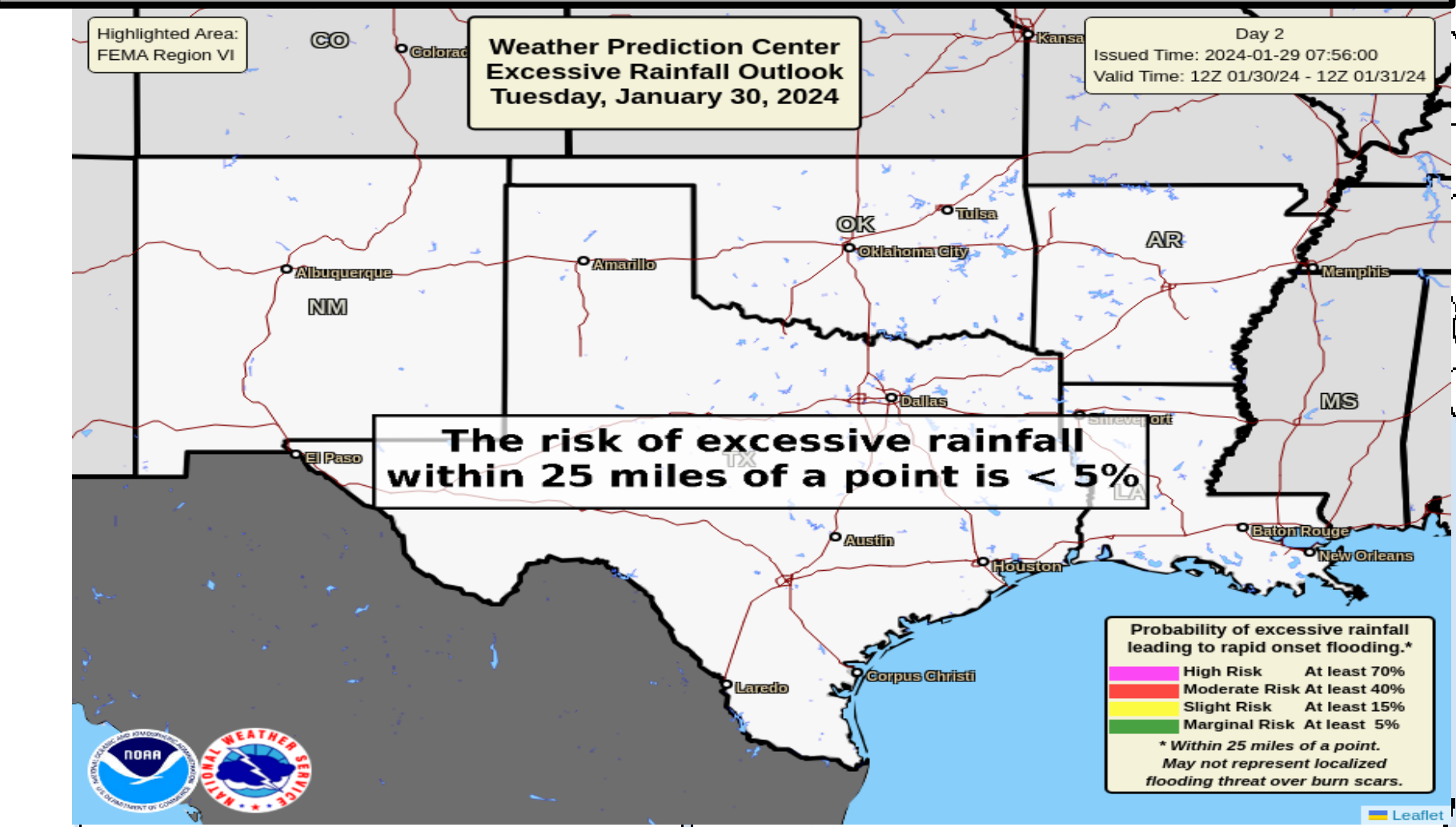


No significant weather expected.

## Severe Weather Outlook

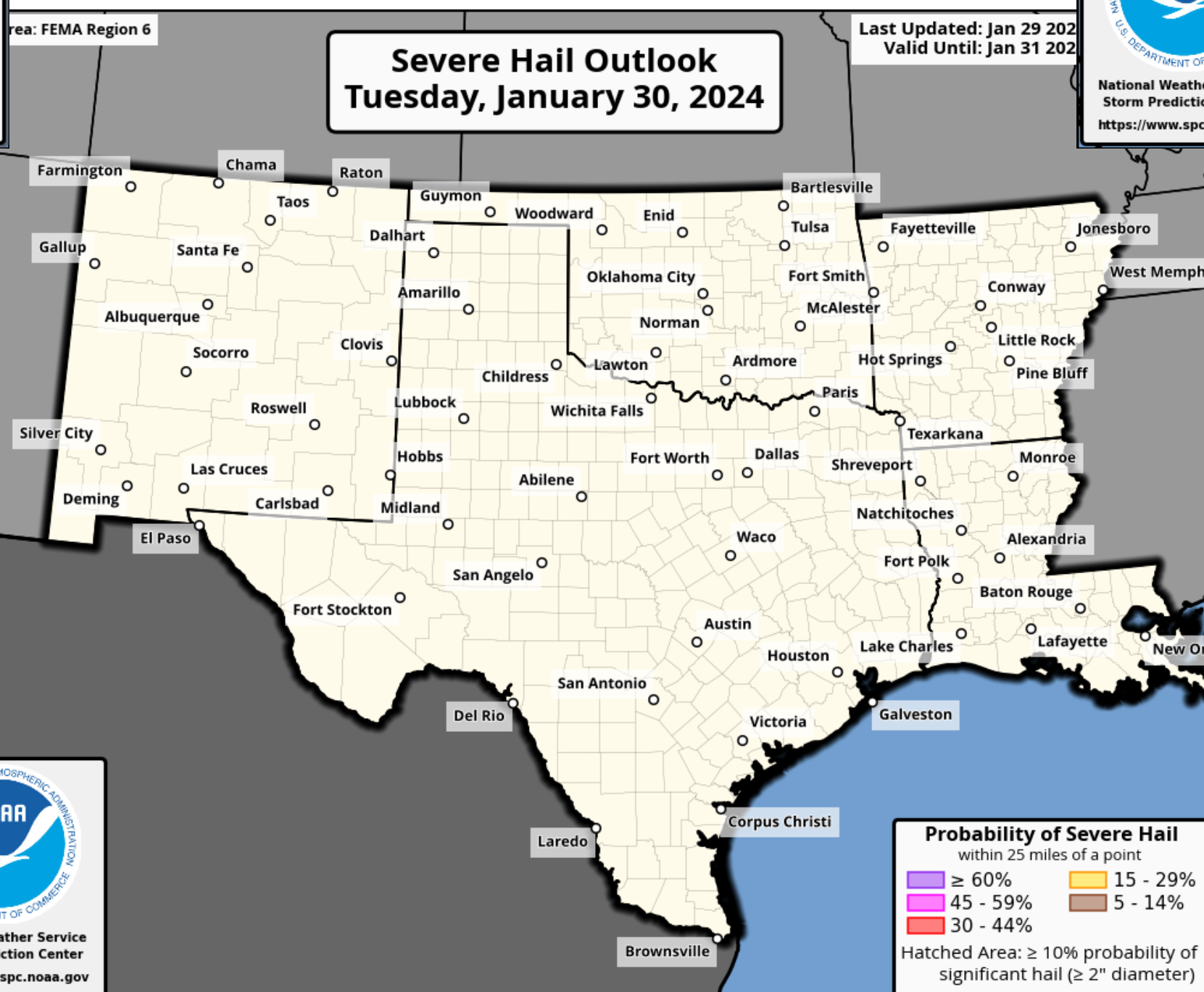
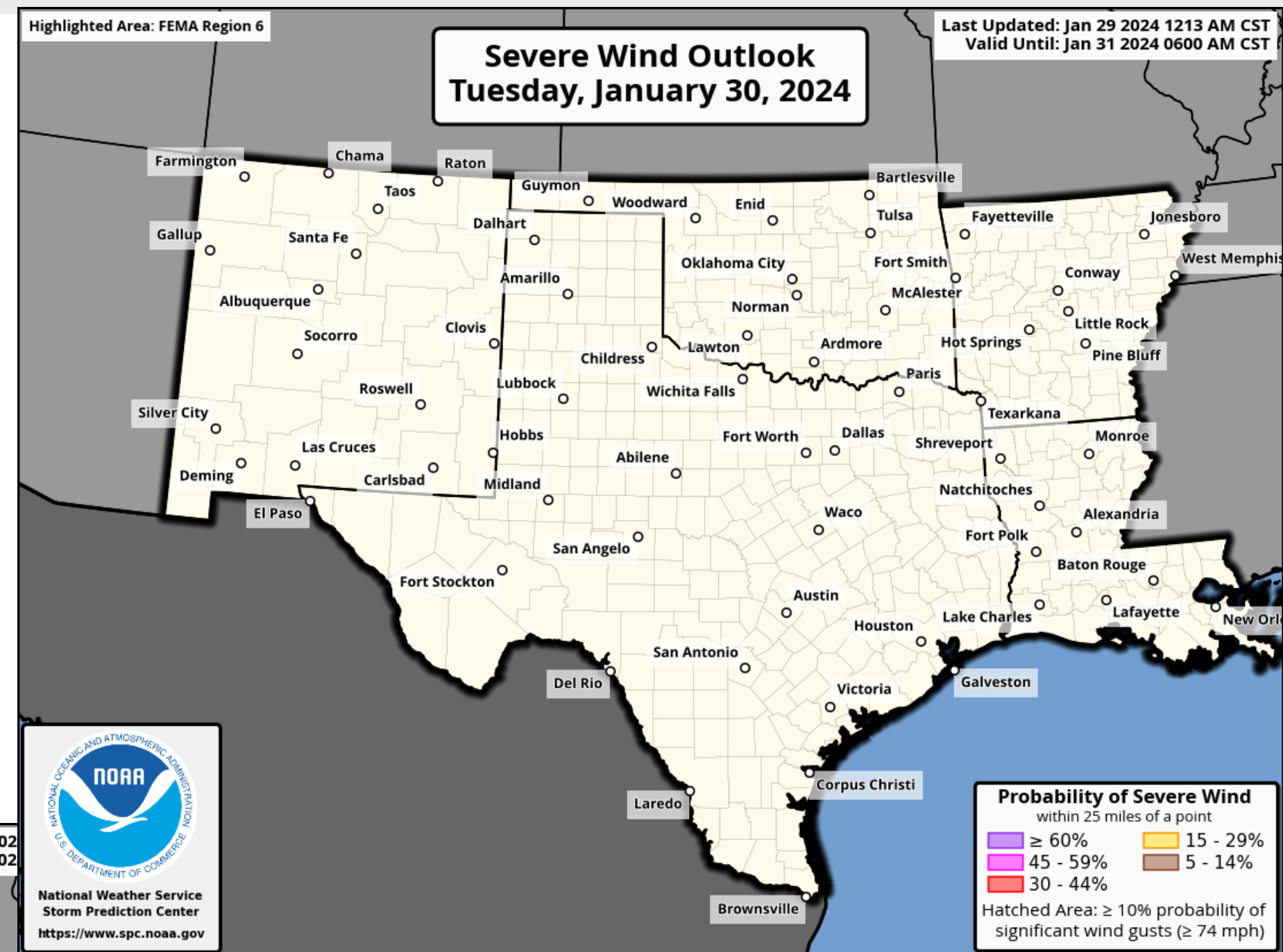
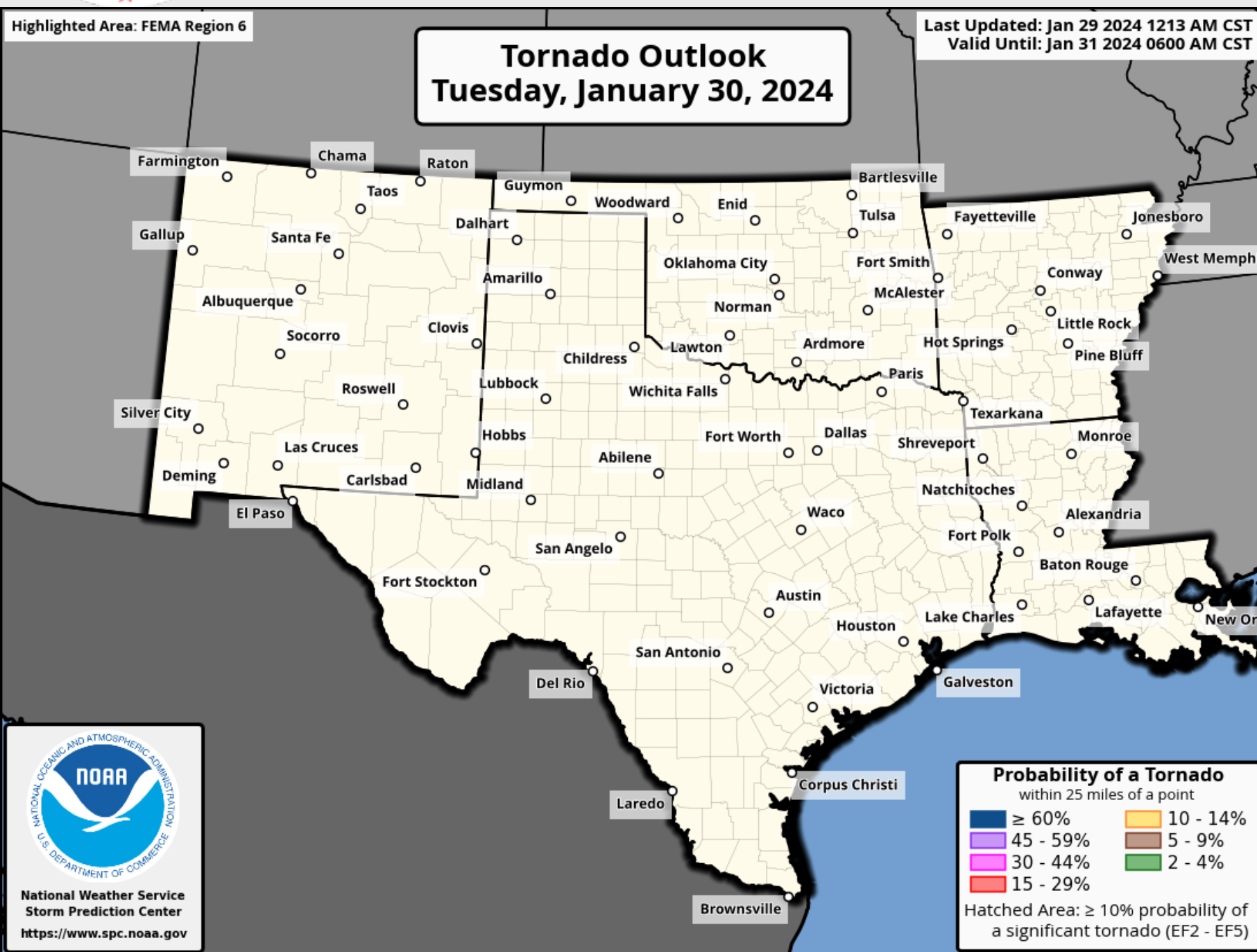


## Excessive Rainfall Outlook





# Tomorrow's Tornado & Severe Wind / Hail Probabilities

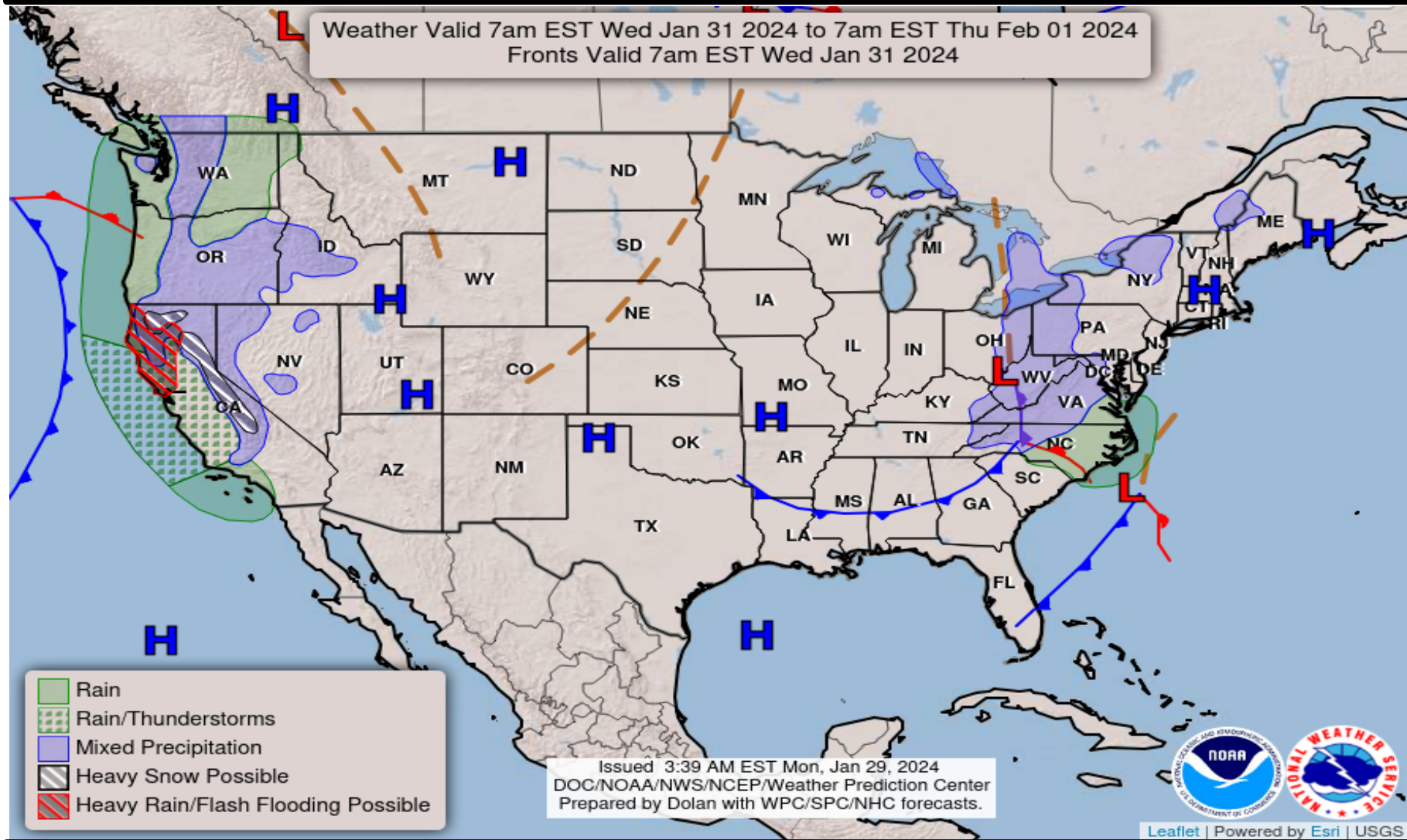




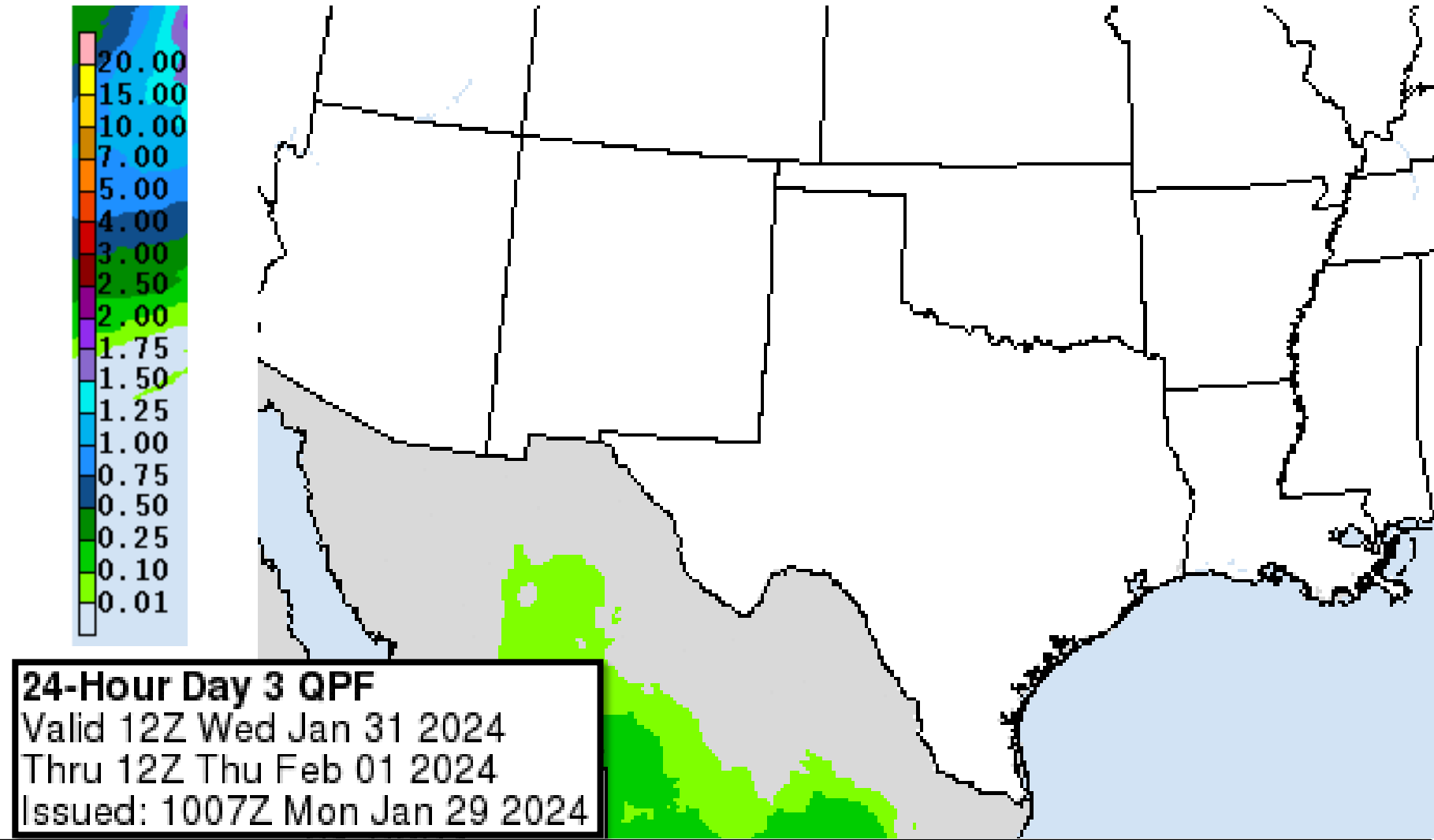


# Wednesday's Weather

## Forecast Chart

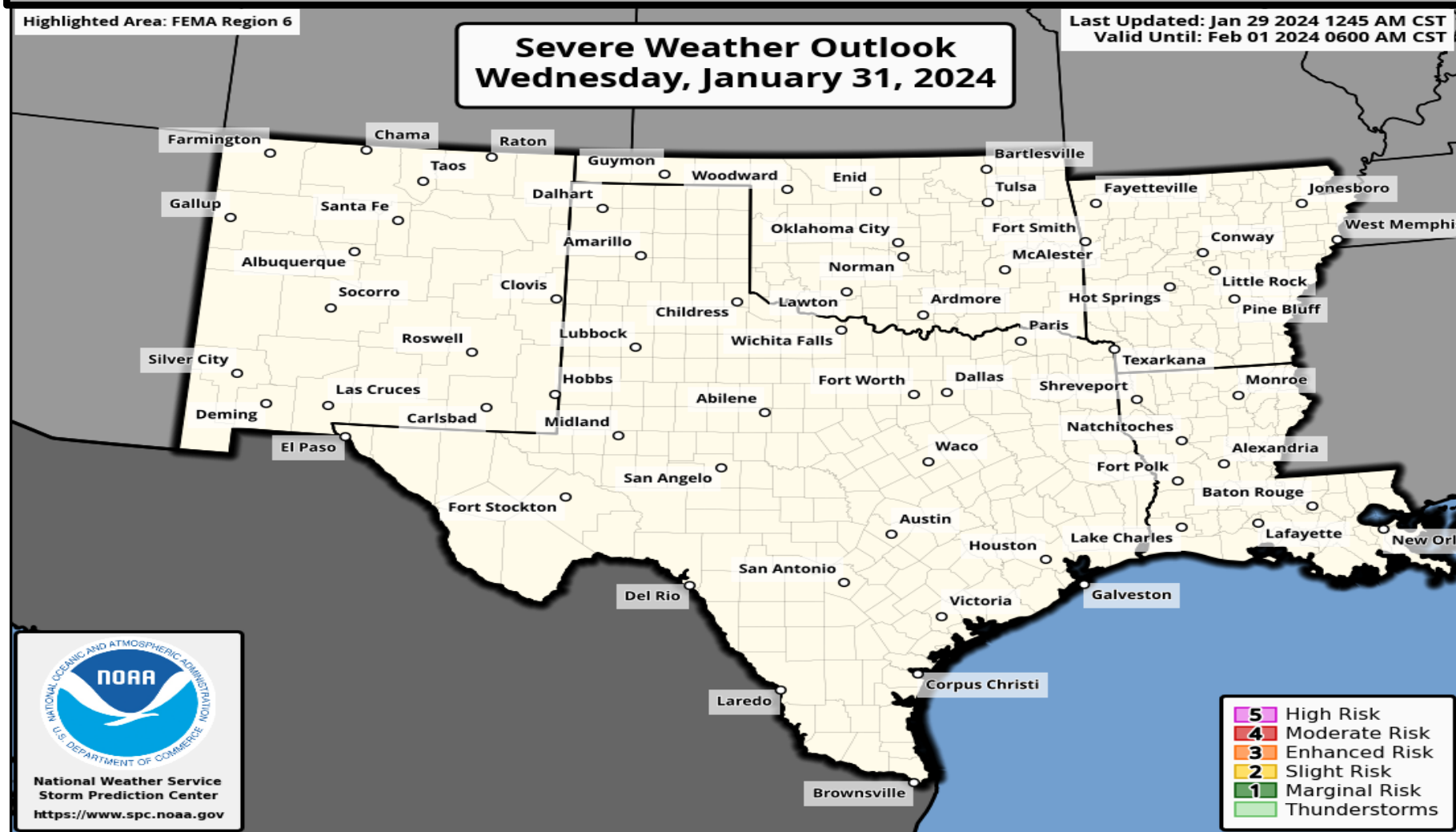


## Forecast Rainfall

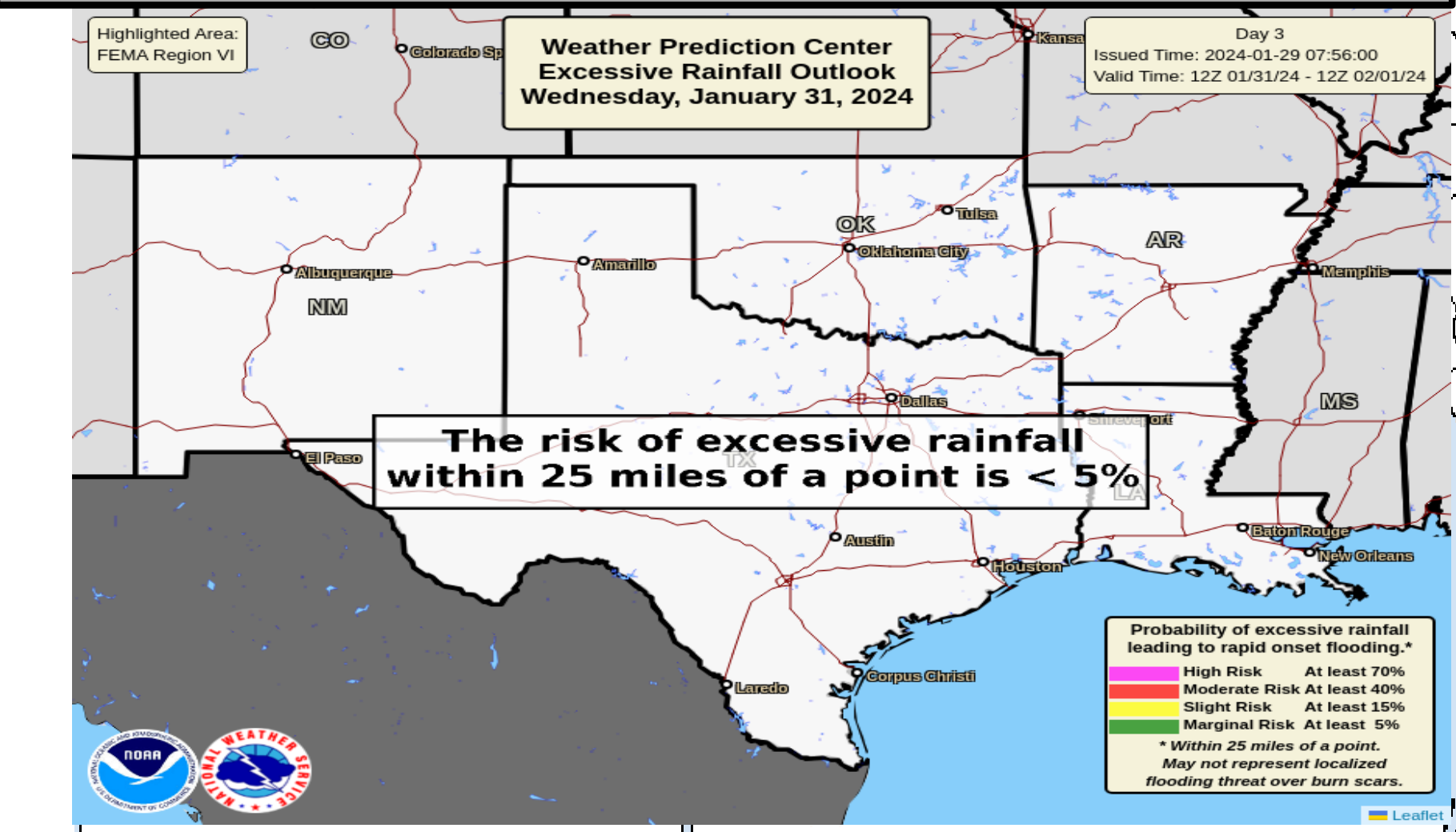


No significant weather expected.

## Severe Weather Outlook



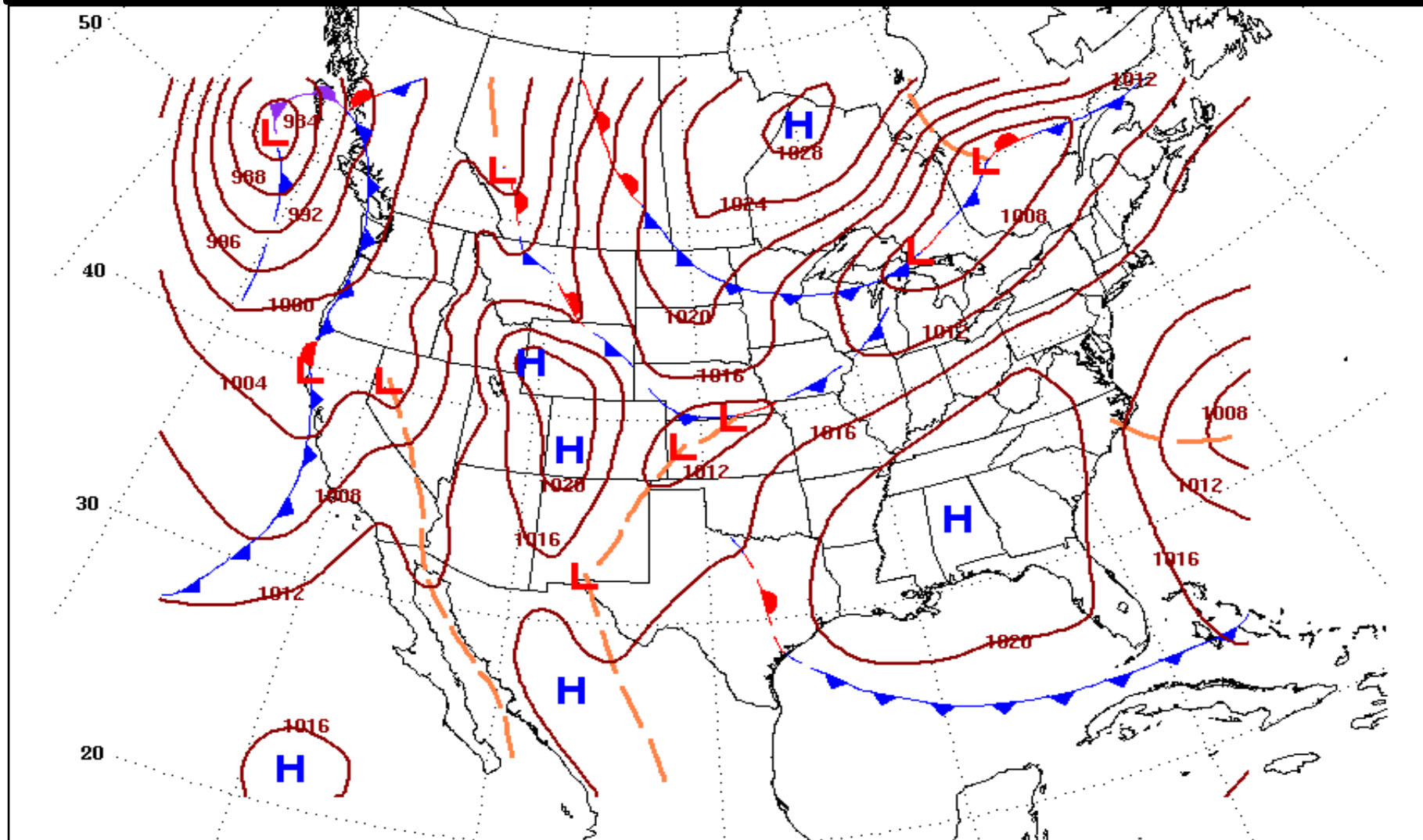
## Excessive Rainfall Outlook



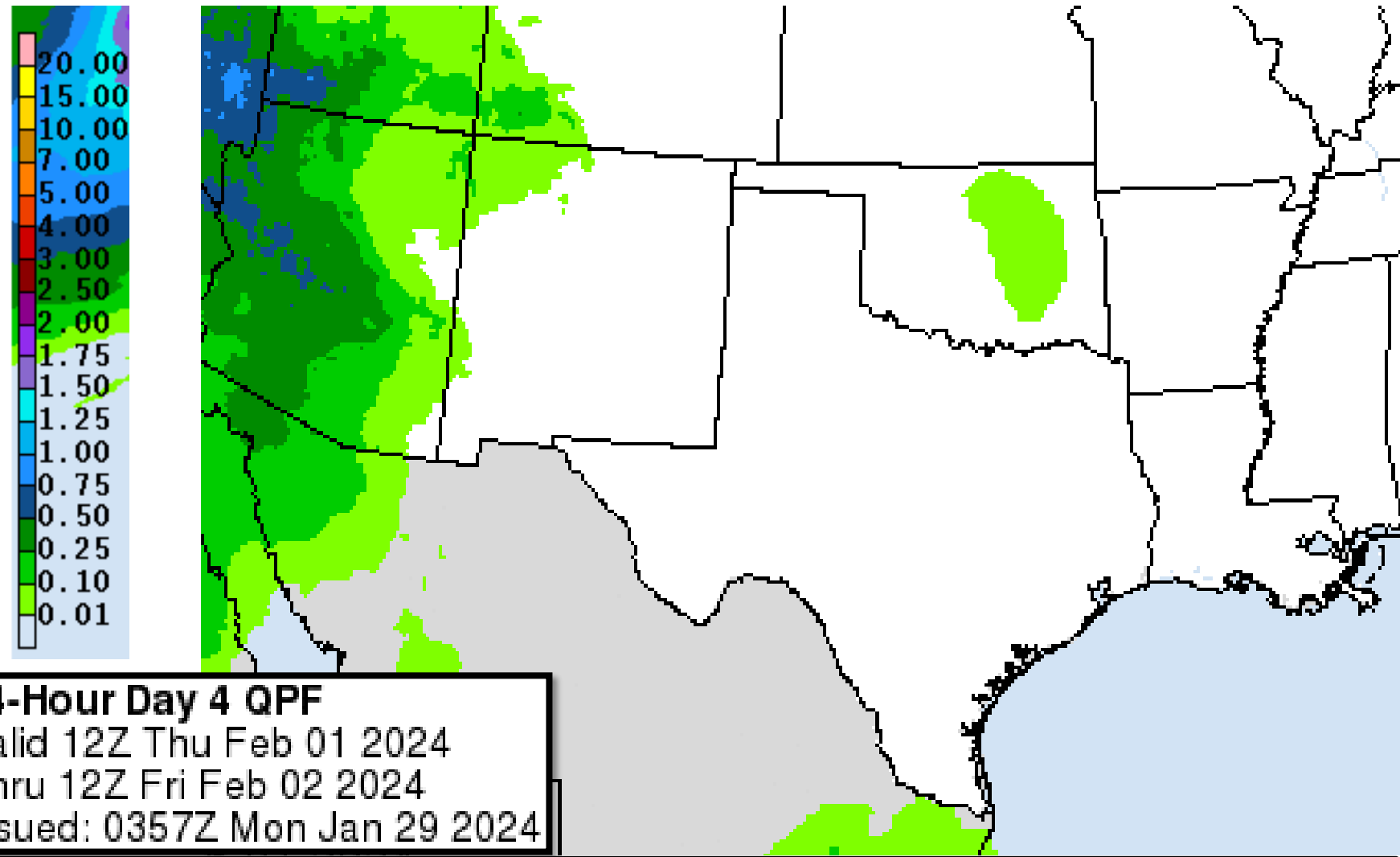


# Thursday's Weather

## Forecast Chart



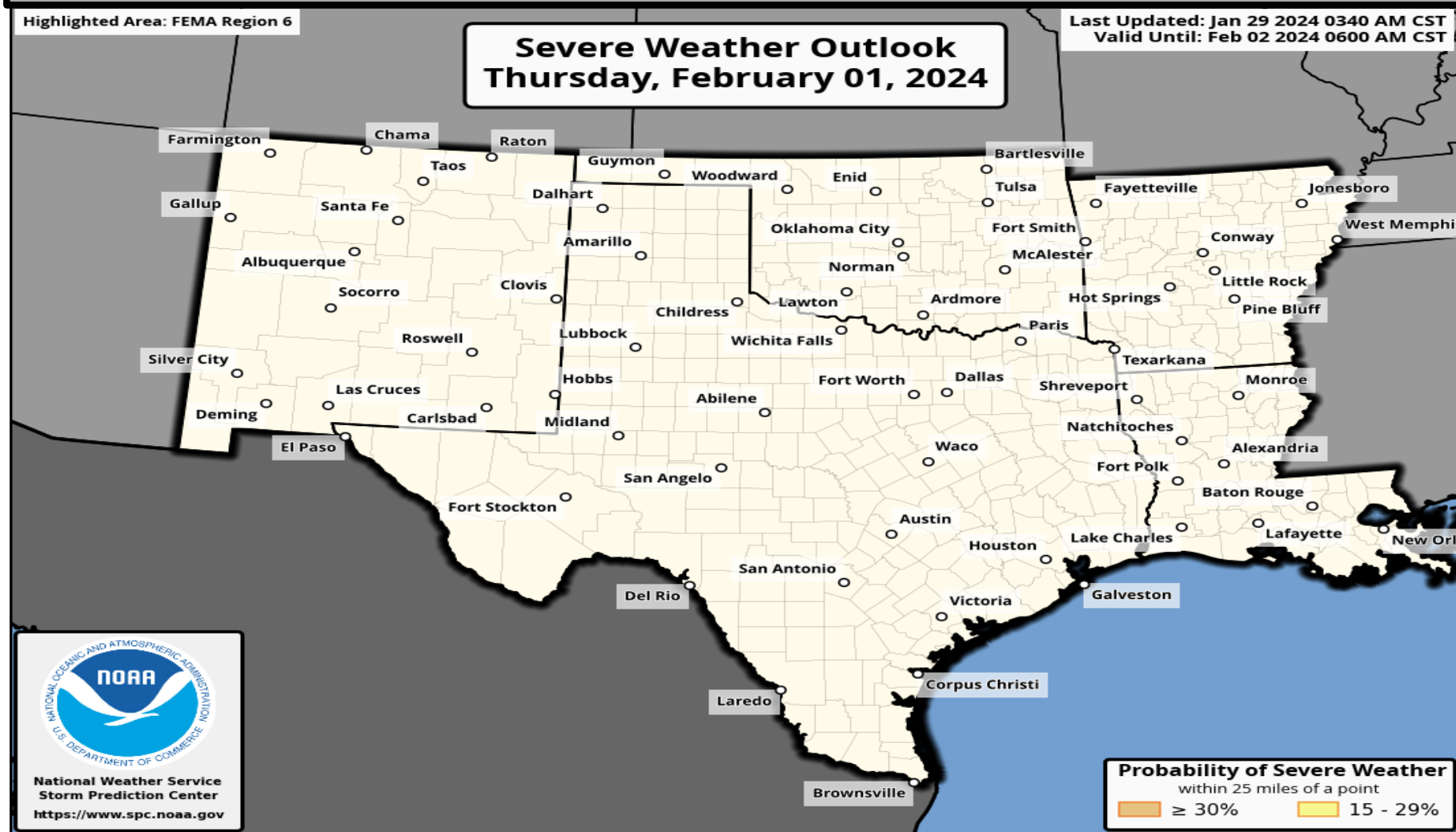
## Forecast Rainfall



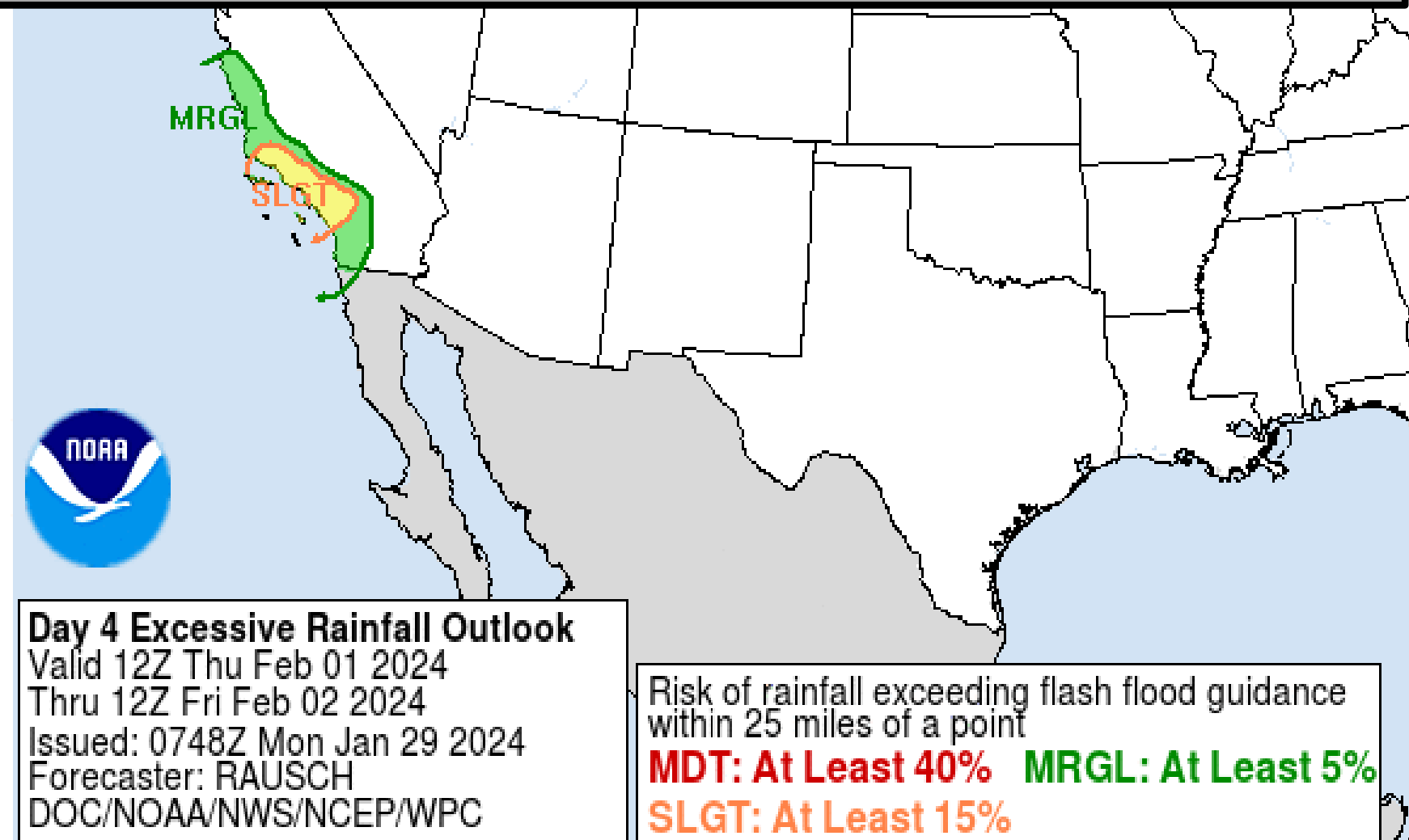
No significant weather expected.

24-Hour Day 4 QPF  
Valid 12Z Thu Feb 01 2024  
Thru 12Z Fri Feb 02 2024  
Issued: 0357Z Mon Jan 29 2024

## Severe Weather Outlook



## Excessive Rainfall Outlook



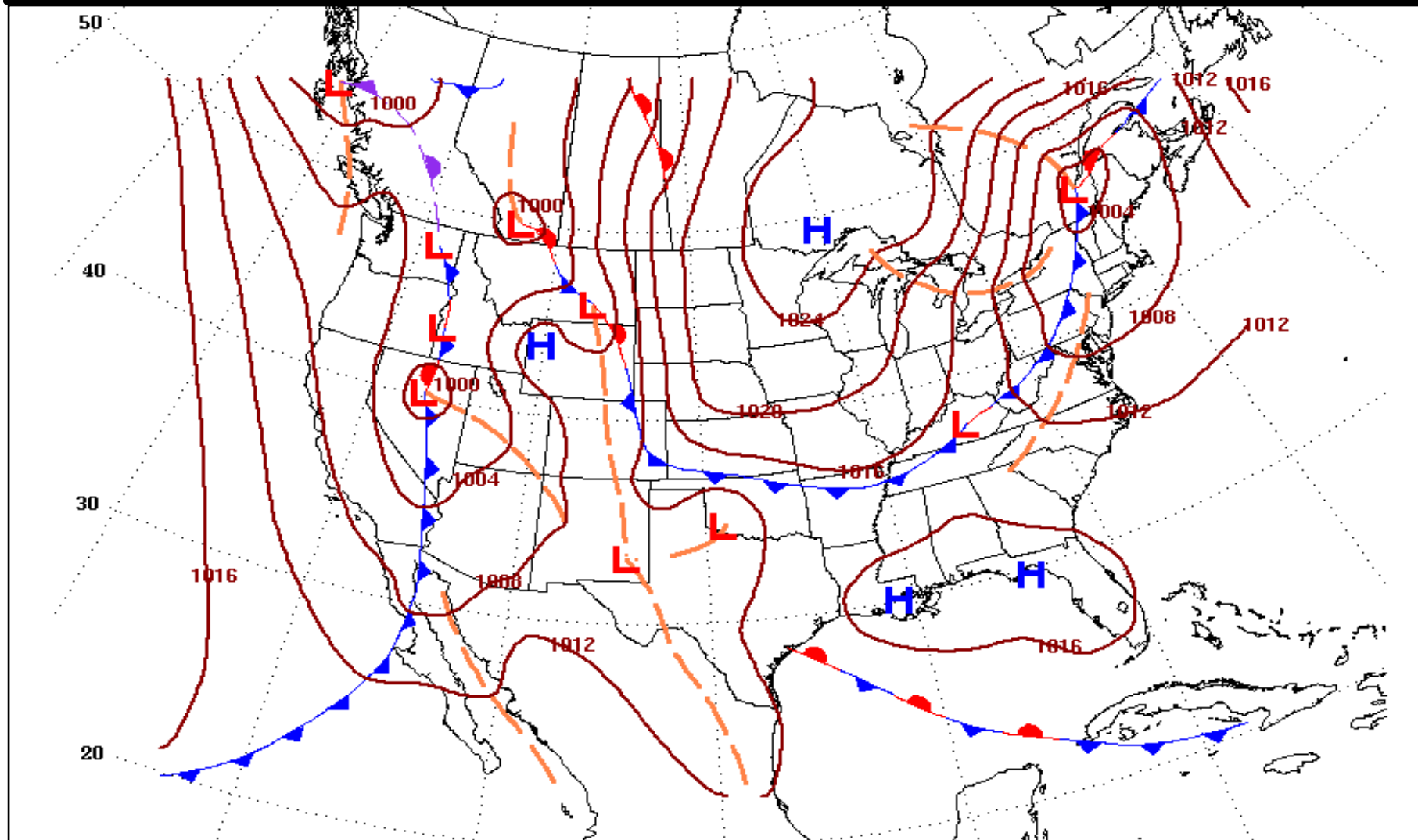
Day 4 Excessive Rainfall Outlook  
Valid 12Z Thu Feb 01 2024  
Thru 12Z Fri Feb 02 2024  
Issued: 0748Z Mon Jan 29 2024  
Forecaster: RAUSCH  
DOC/NOAA/NWS/NCEP/WPC

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%**

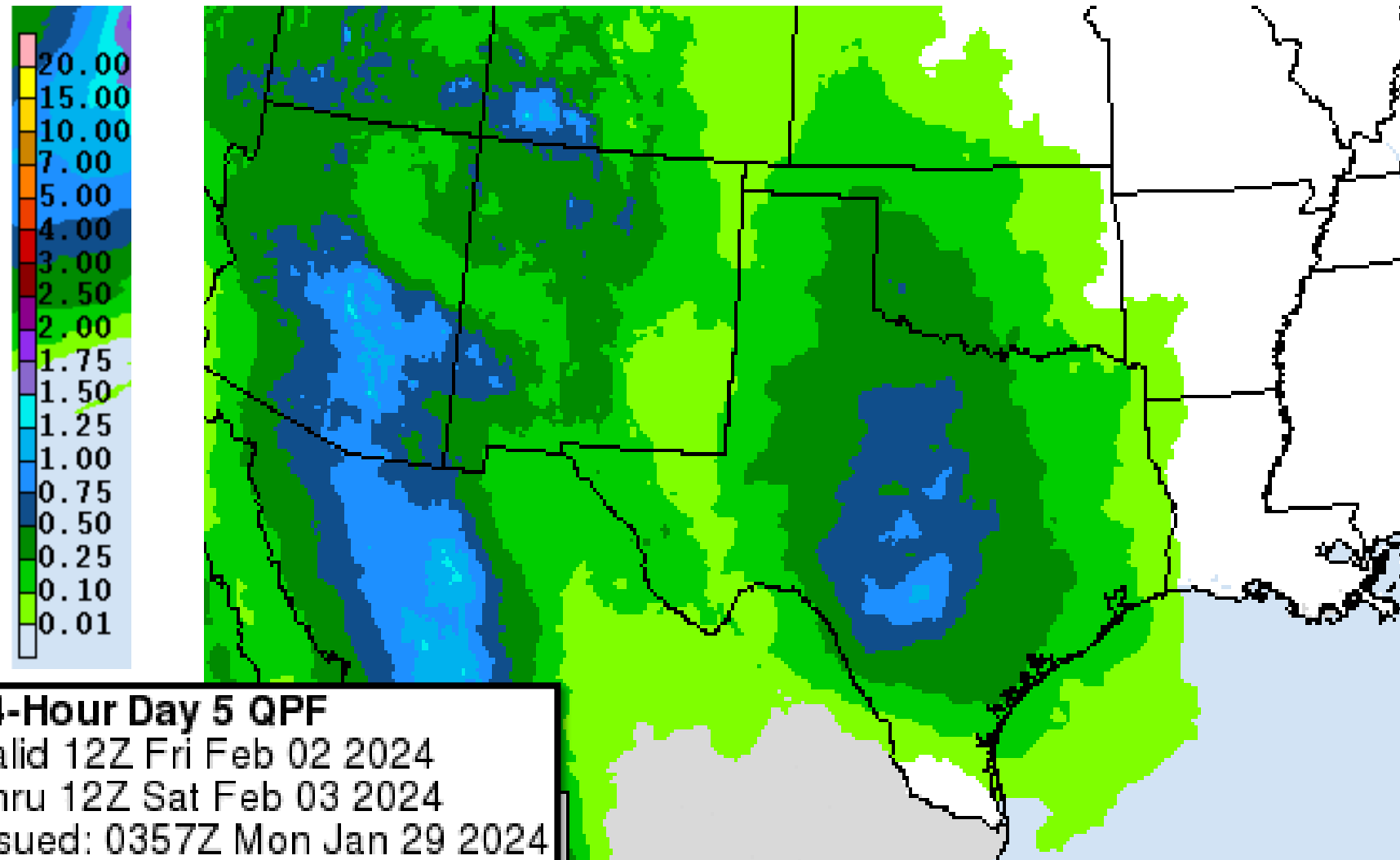


# Friday's Weather

## Forecast Chart



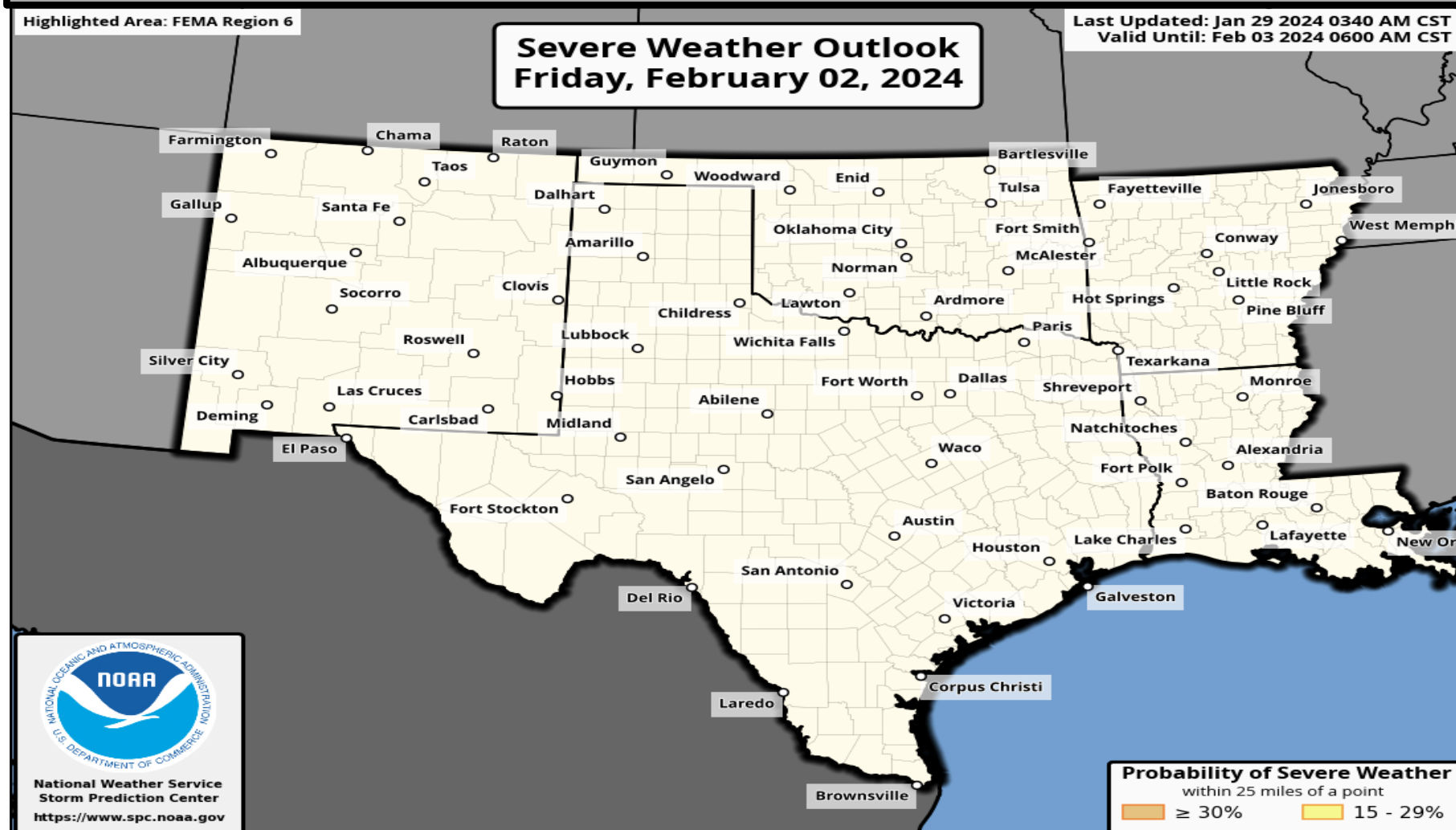
## Forecast Rainfall



**Mountain snow in NM.**

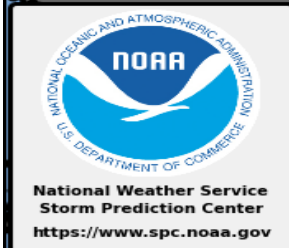
**24-Hour Day 5 QPF**  
Valid 12Z Fri Feb 02 2024  
Thru 12Z Sat Feb 03 2024  
Issued: 0357Z Mon Jan 29 2024

## Severe Weather Outlook



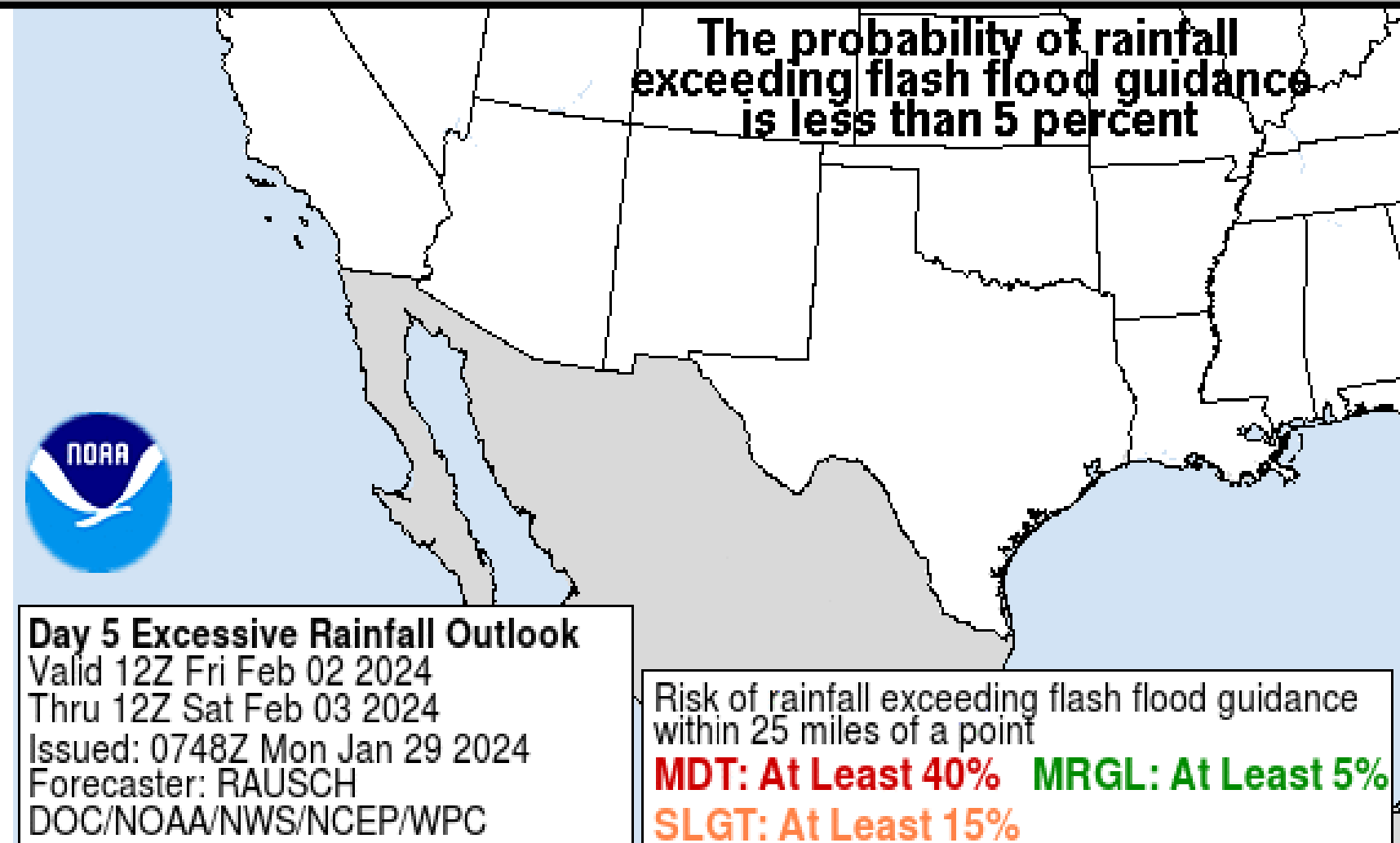
Highlighted Area: FEMA Region 6  
**Severe Weather Outlook**  
Friday, February 02, 2024

Last Updated: Jan 29 2024 0340 AM CST  
Valid Until: Feb 03 2024 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



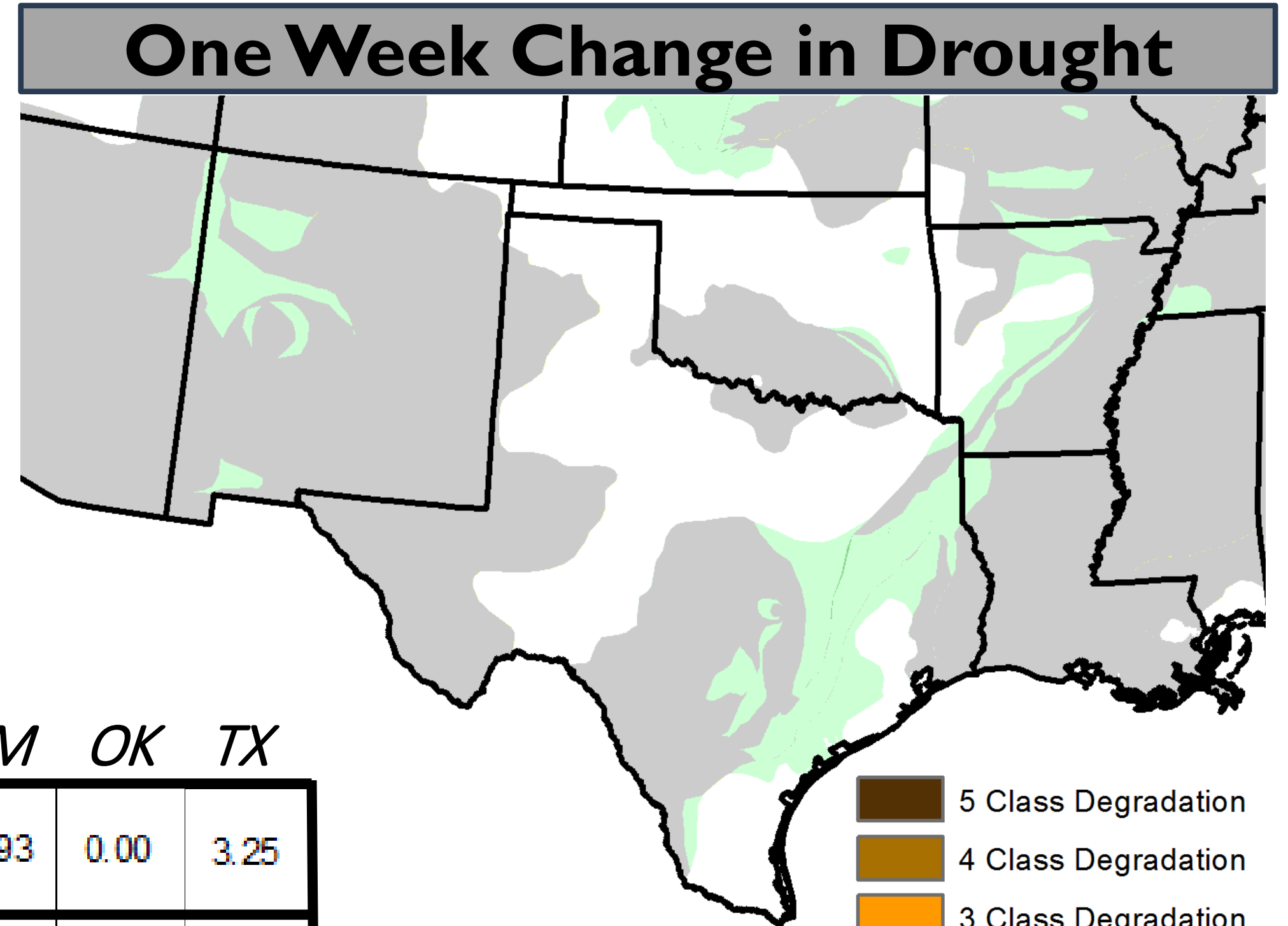
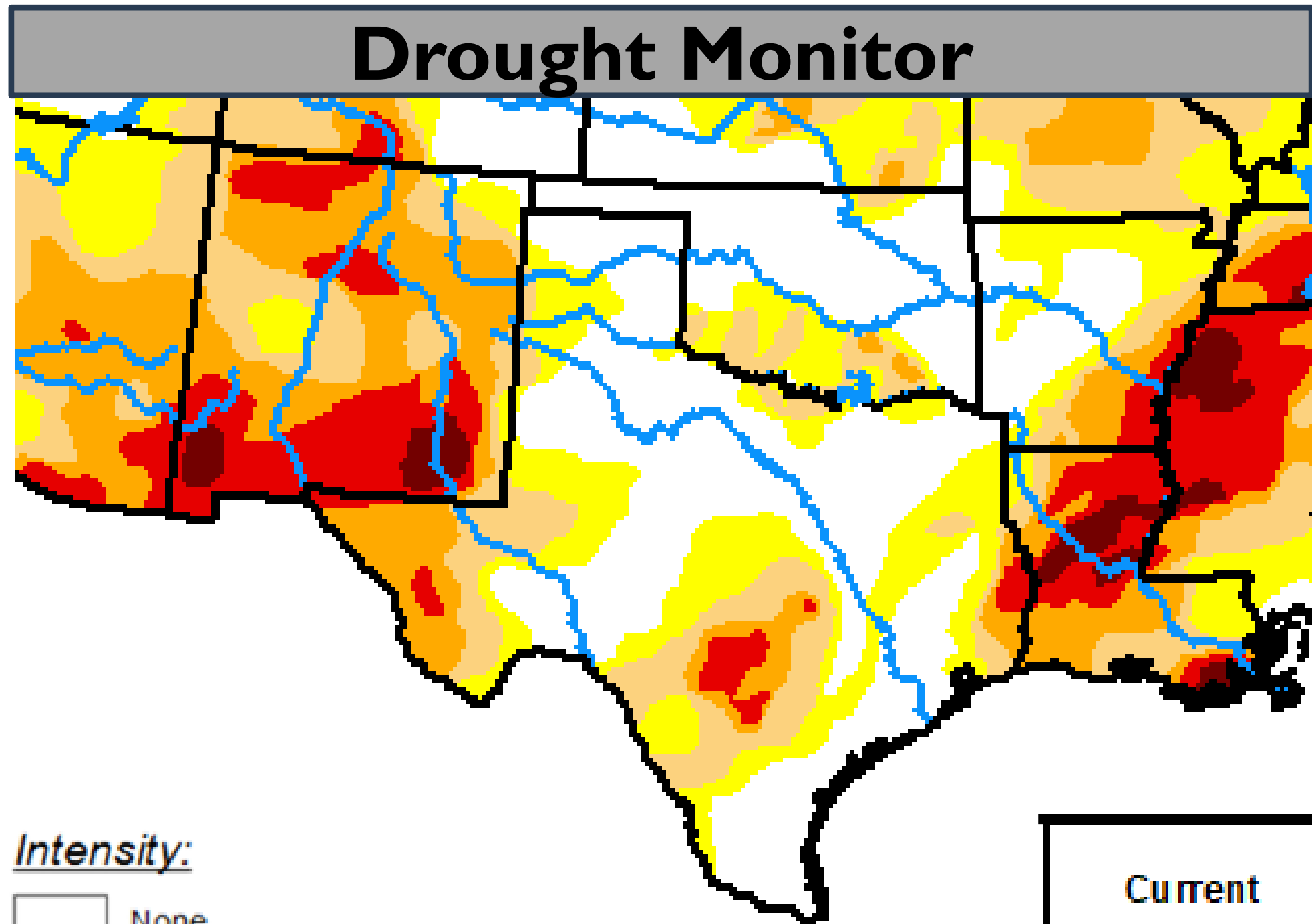
**Day 5 Excessive Rainfall Outlook**  
Valid 12Z Fri Feb 02 2024  
Thru 12Z Sat Feb 03 2024  
Issued: 0748Z Mon Jan 29 2024  
Forecaster: RAUSCH  
DOC/NOAA/NWS/NCEP/WPC

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 Jan 25, 2024)

Data valid as of 8 am ET on Tuesday, January 23, 2024



**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.*

|  | AR   | LA    | NM    | OK    | TX    |
|--|------|-------|-------|-------|-------|
| <b>Current</b>                           | 8.54 | 42.49 | 34.93 | 0.00  | 3.25  |
| <b>Last Week</b><br><i>01-16-2024</i>    | 8.64 | 42.49 | 37.43 | 0.00  | 4.02  |
| <b>3 Months Ago</b><br><i>10-24-2023</i> | 2.40 | 88.50 | 36.69 | 13.47 | 25.15 |
| <b>One Year Ago</b><br><i>01-24-2023</i> | 0.00 | 0.00  | 3.78  | 57.90 | 7.70  |

Drought Conditions (Percent Area)

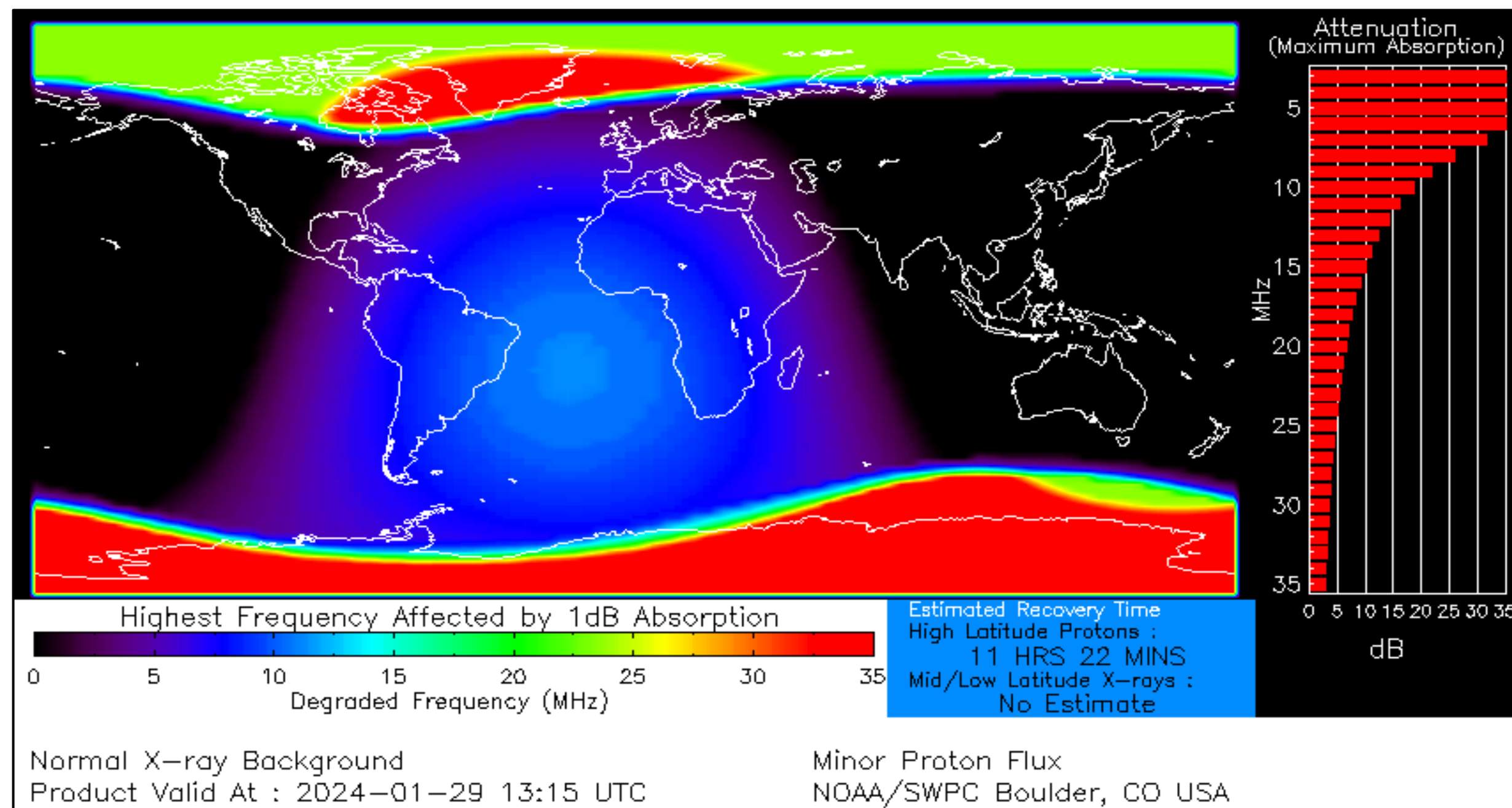
**D3-D4 (Extreme to Exceptional Drought)**

- 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



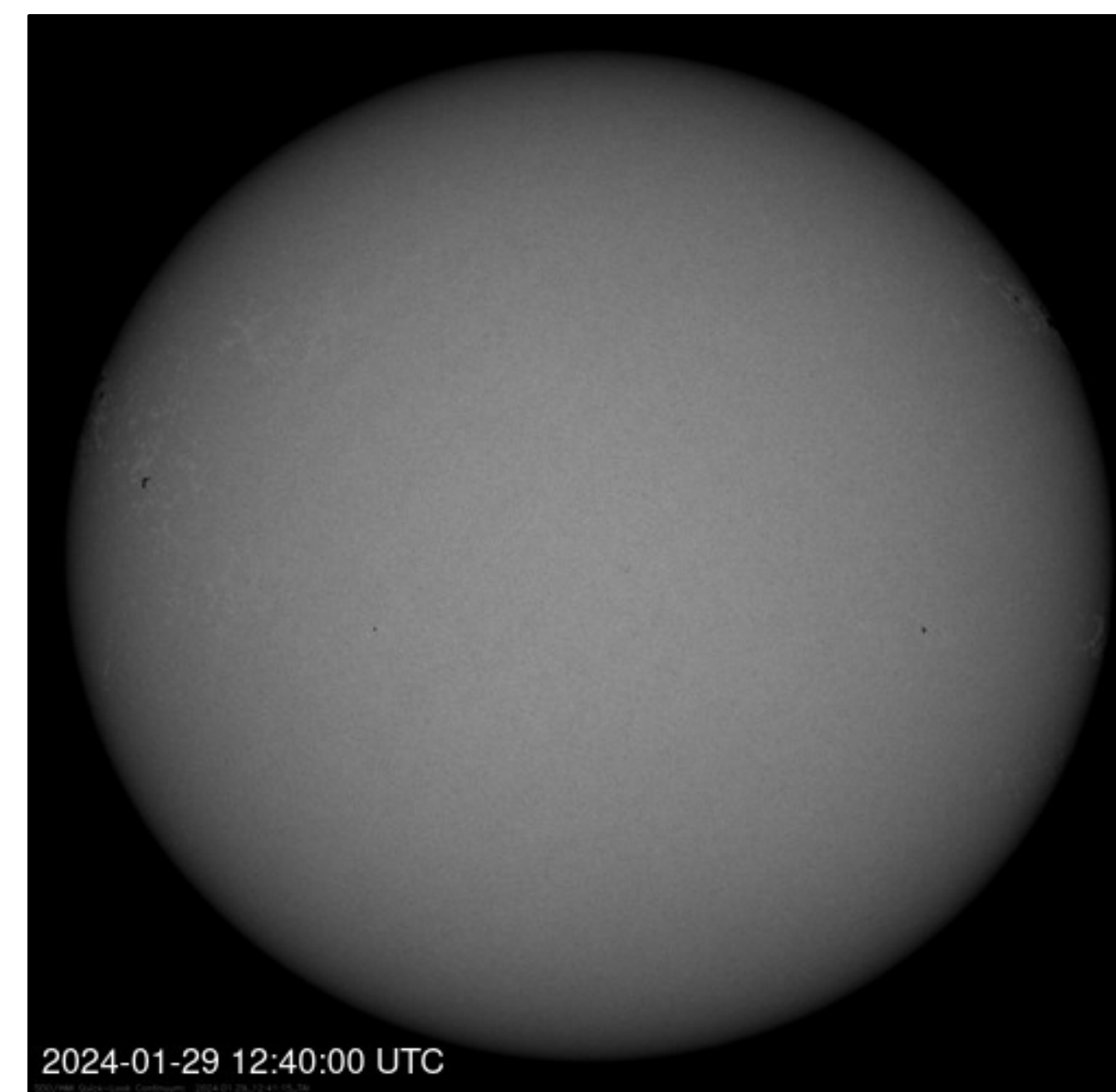
# Space Weather 3-Day Forecast

|                                      | Monday                            | Tuesday                        | Wednesday                         |
|--------------------------------------|-----------------------------------|--------------------------------|-----------------------------------|
| <b>Geomagnetic Storms</b>            | <b>Unsettled<br/>(Max Kp = 3)</b> | <b>Active<br/>(Max Kp = 4)</b> | <b>Unsettled<br/>(Max Kp = 3)</b> |
| <b>Solar Radiation Storm (S1-S5)</b> | 1%                                | 1%                             | 1%                                |
| <b>Radio Blackout (R1-R2)</b>        | 25%                               | 25%                            | 25%                               |
| <b>Radio Blackout (R3-R5)</b>        | 1%                                | 1%                             | 1%                                |



[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)