



# FEMA



Prepared by  
*Melissa Beat*

# FEMA Region 6 Weather Threat Briefing

Monday February 5, 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).



NWSSouthern

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



# Summary of the Upcoming Week

- **Minor river flooding across SE TX, AR, and LA.**



# FEMA Region 6 Threat Matrix

Feb 5, 2024 - Feb 9, 2024

DAY / THREAT	Mon	Tue	Wed	Thu	Fri
Severe Storms					
Heavy Rain / Flash Flooding					
Fire Weather					
Cold					
Winds					
Winter Weather					
River Flooding	TX, LA, AR	TX, LA, AR	TX, LA, AR	TX, LA, AR	TX, 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

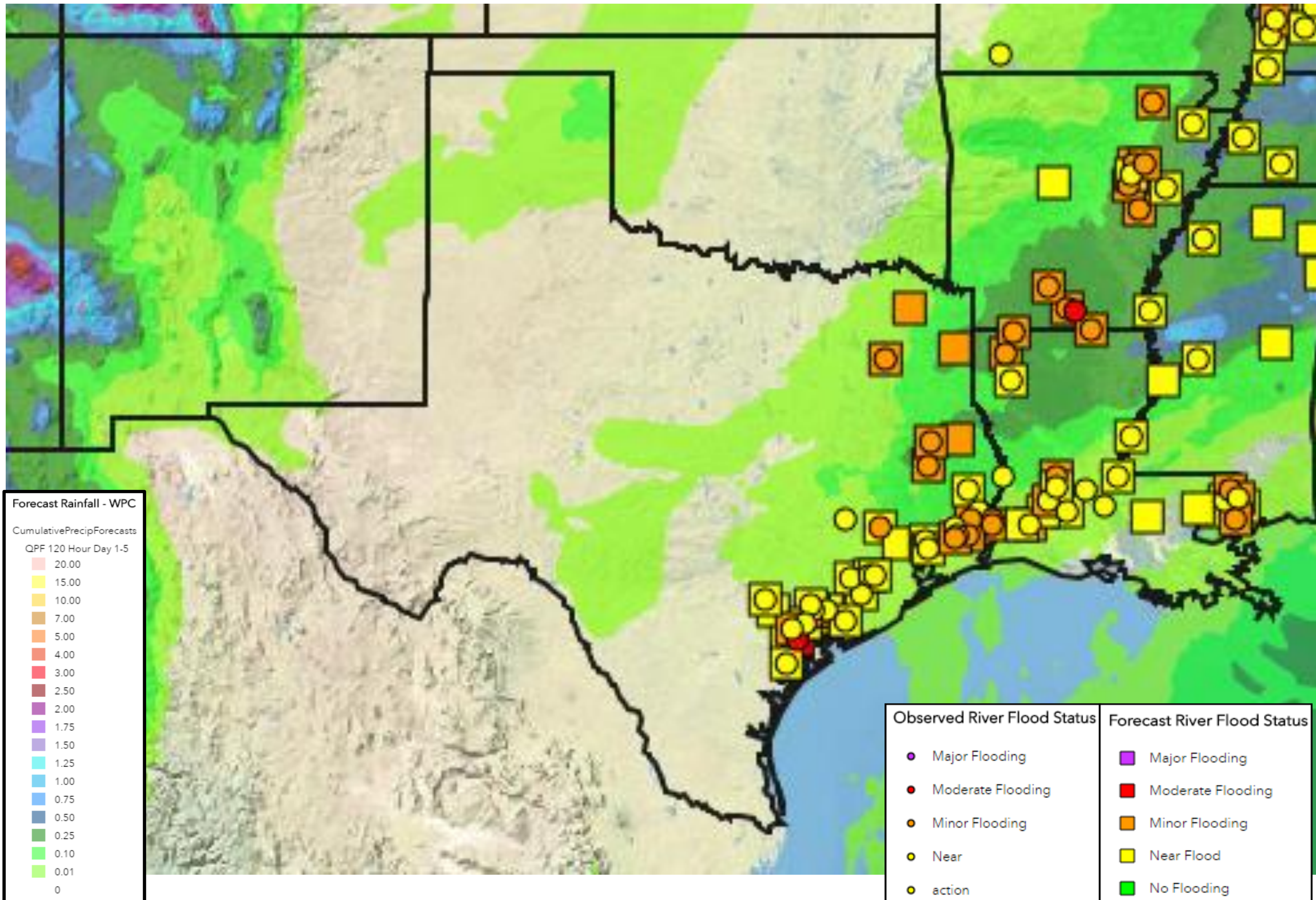
*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

*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



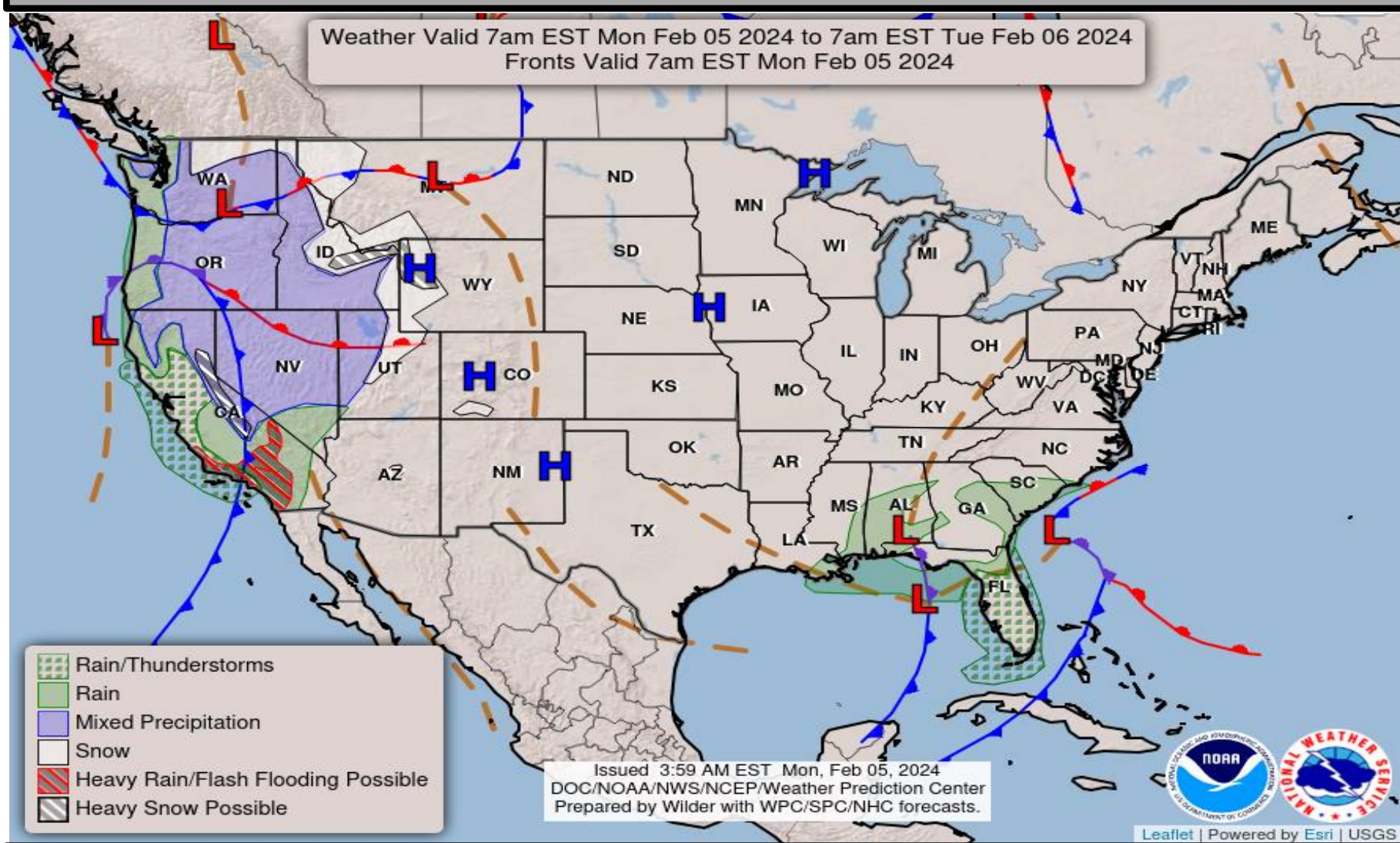
**Minor/isolated moderate river flooding across TX, AR, LA. Impacts to agricultural and recreational areas.**

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

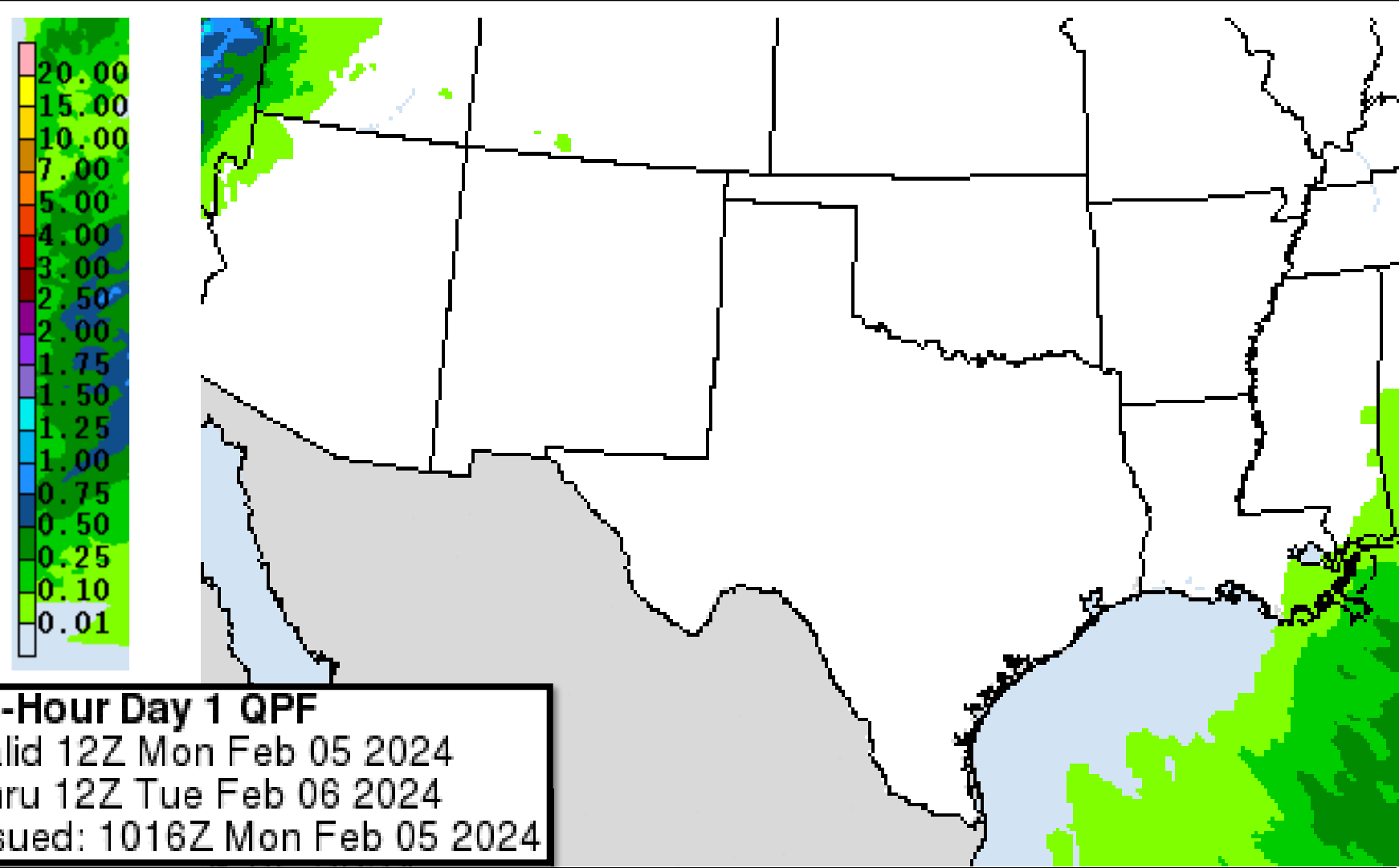


# Today's Weather

## Forecast Chart

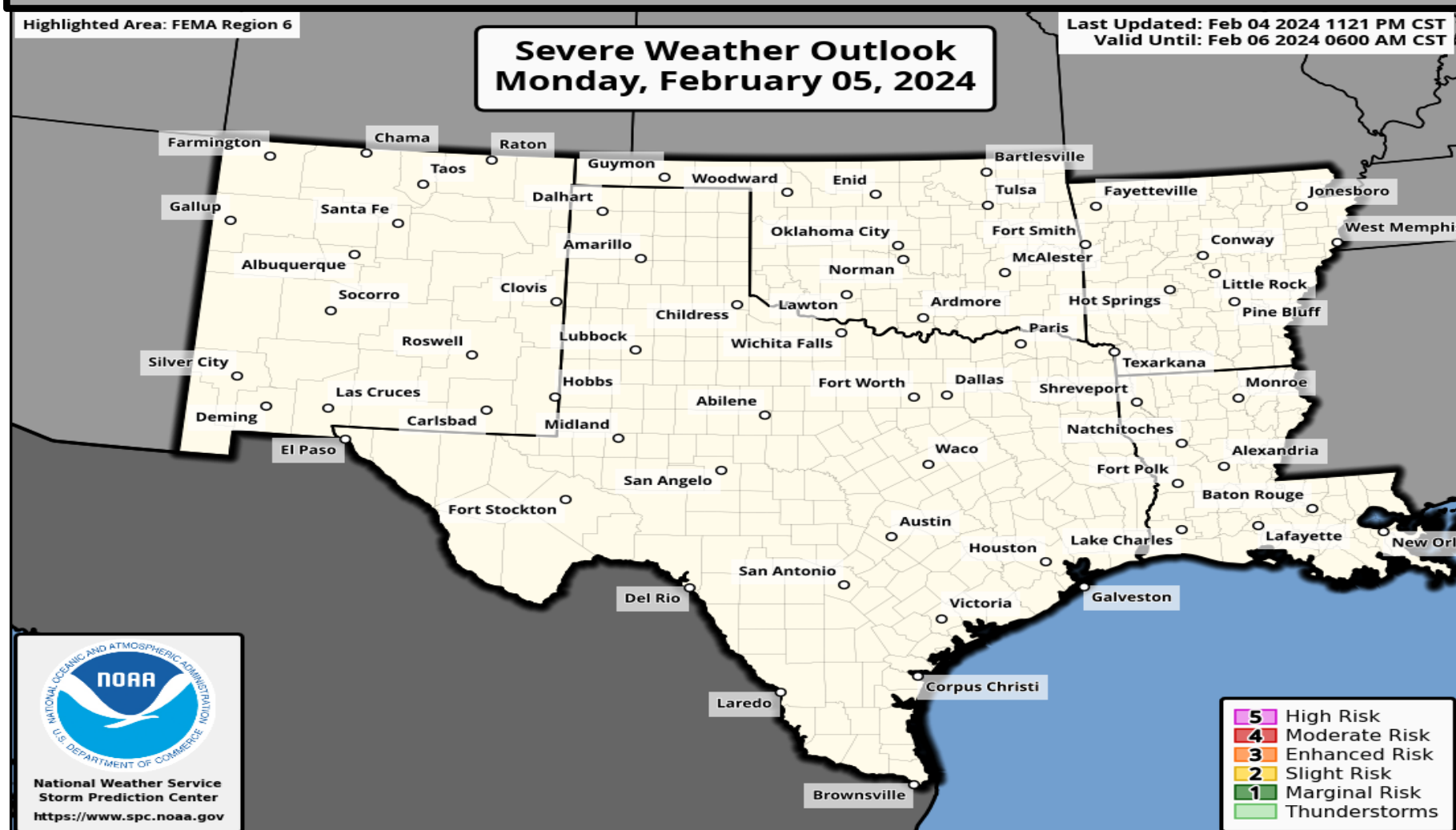


## Forecast Rainfall

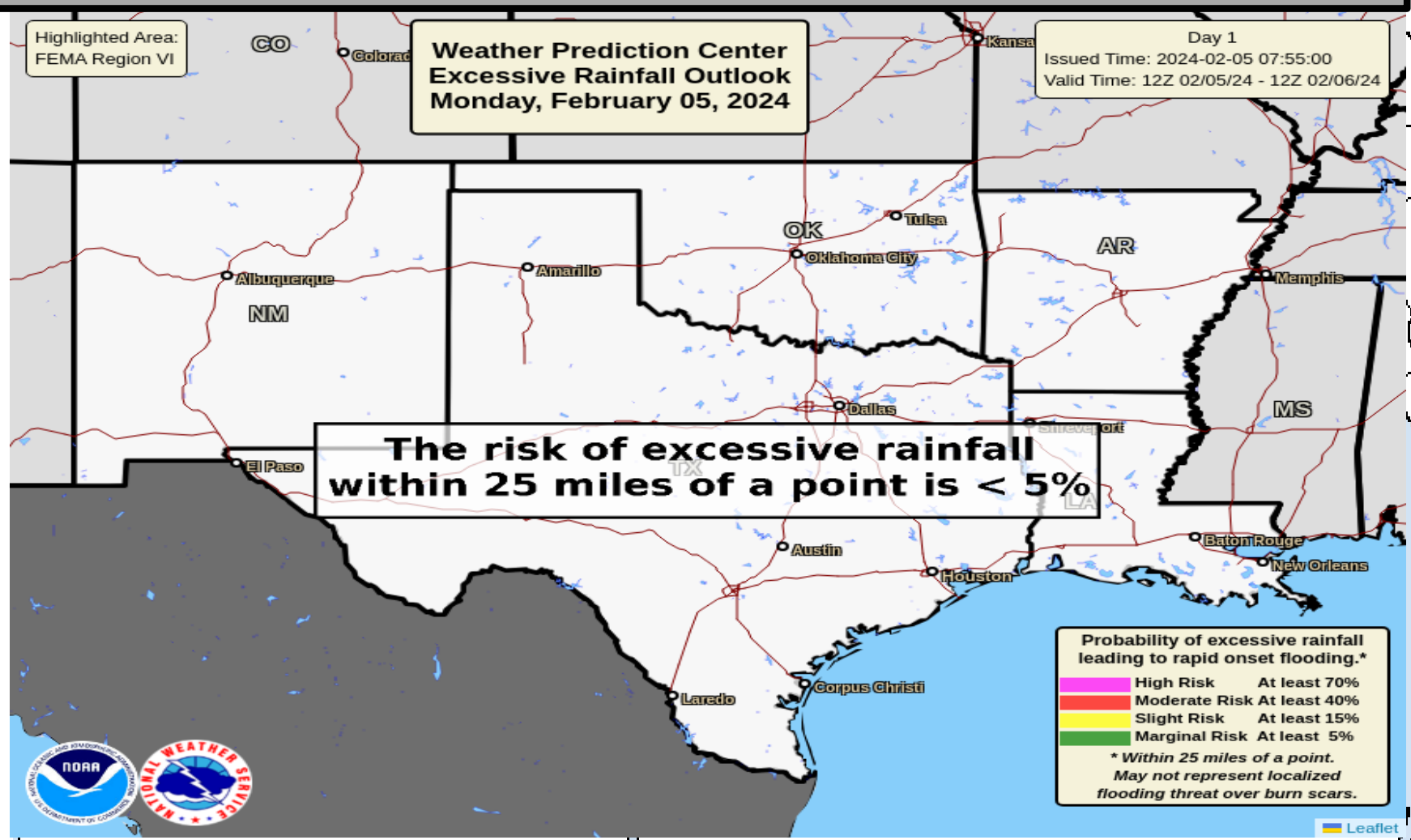


No significant weather expected.

## Severe Weather Outlook

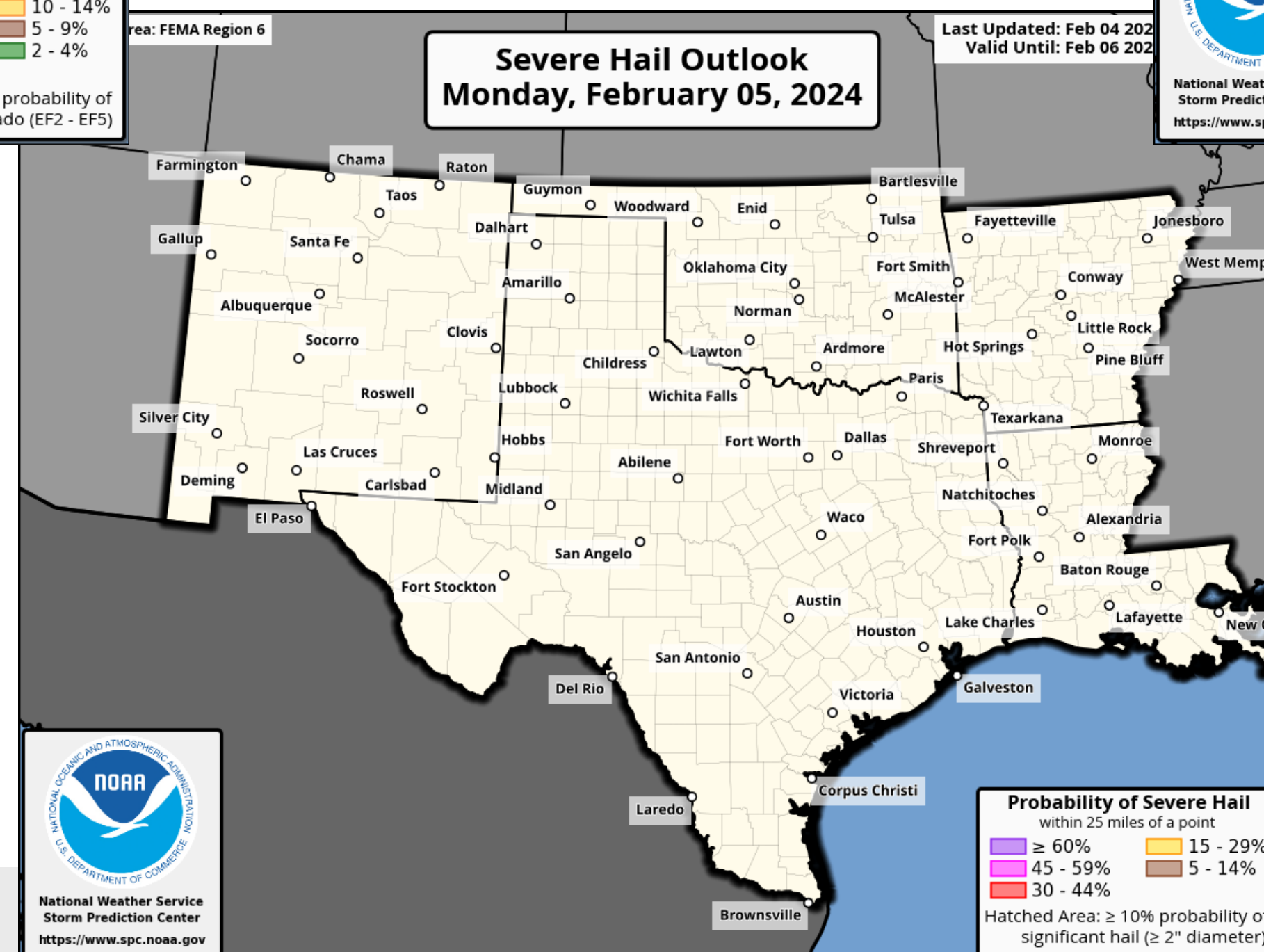
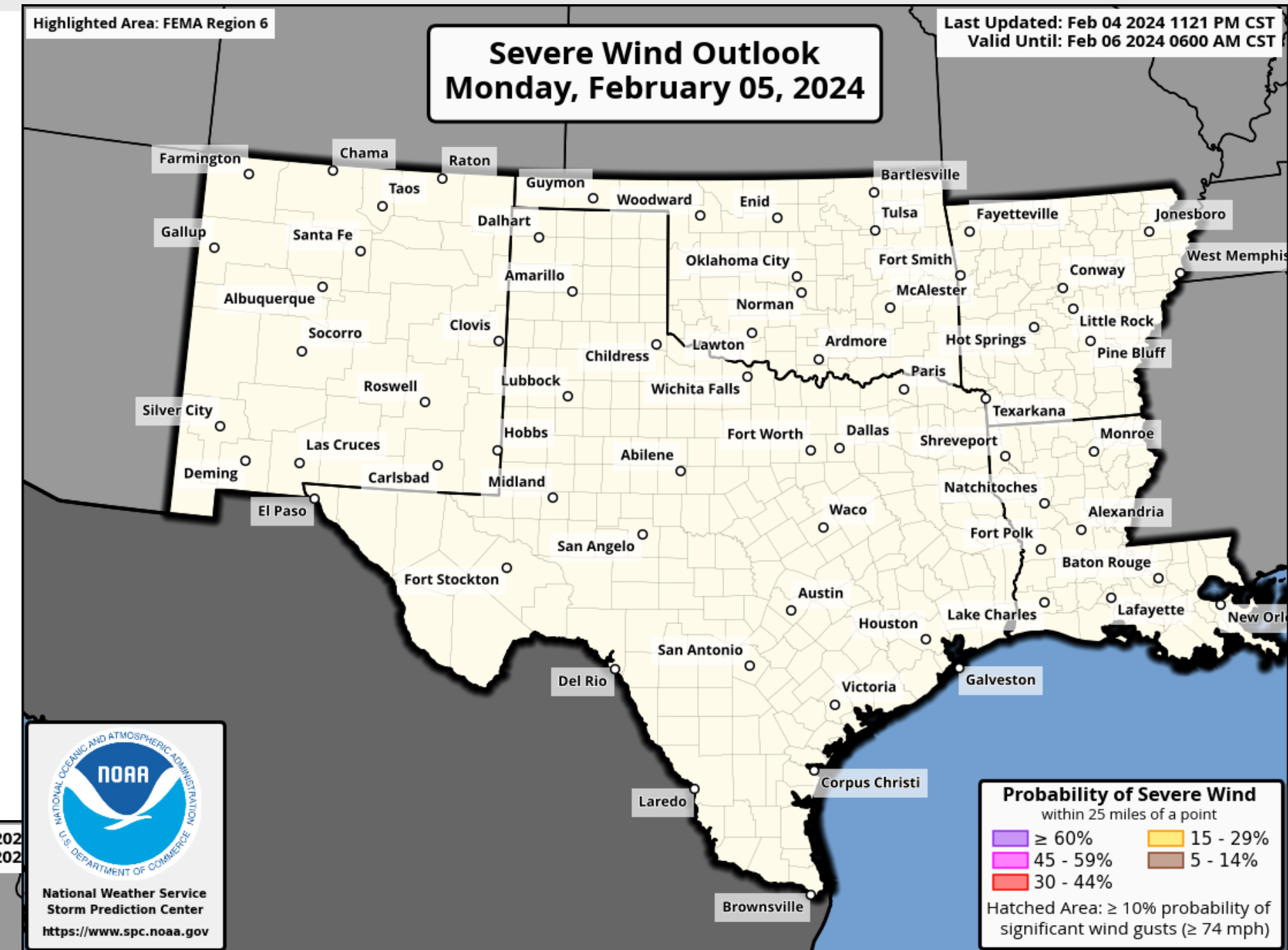
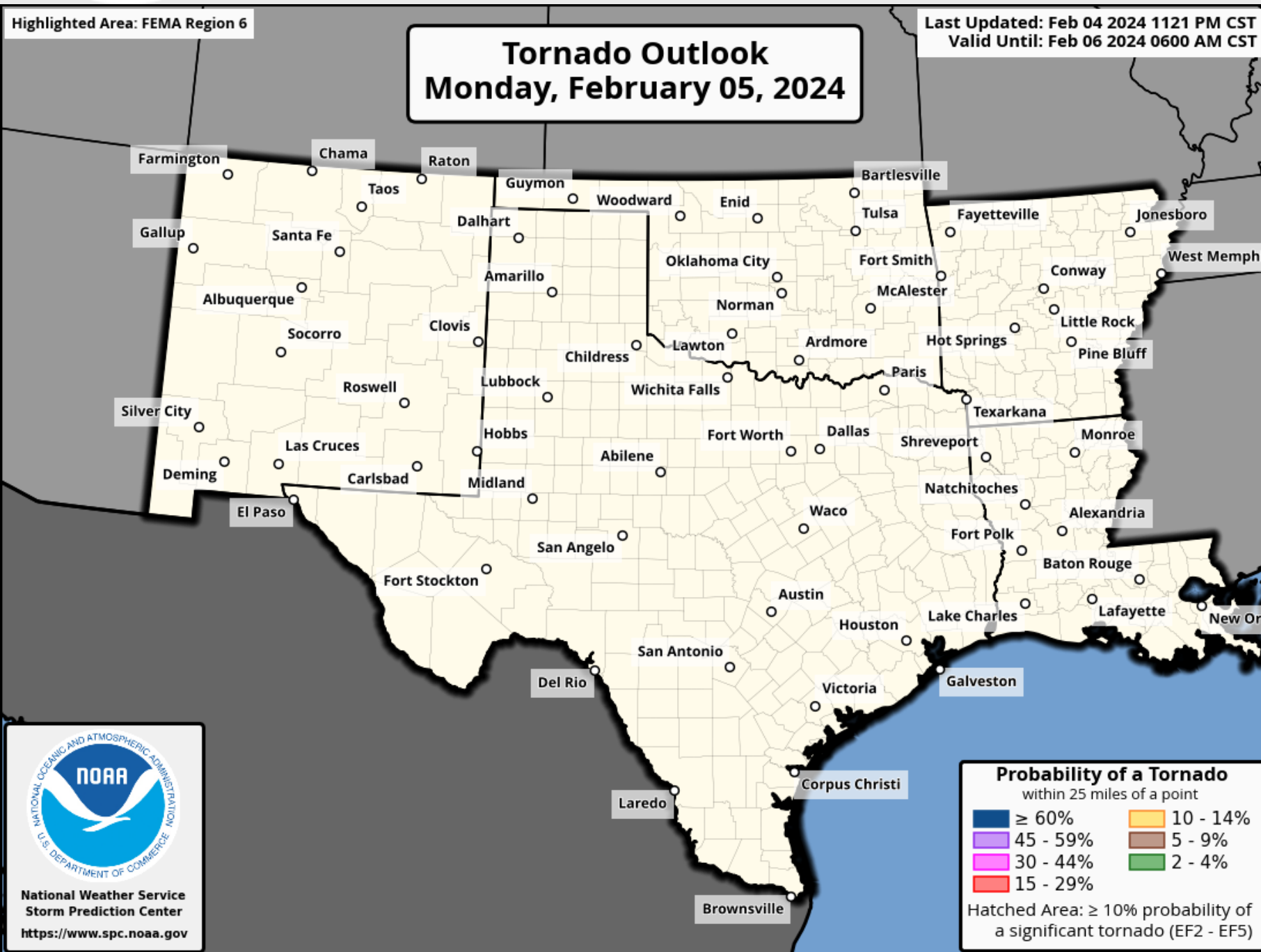


## Excessive Rainfall Outlook





# Today's Tornado & Severe Wind / Hail Probabilities





# Winter Weather

Monday - Wednesday

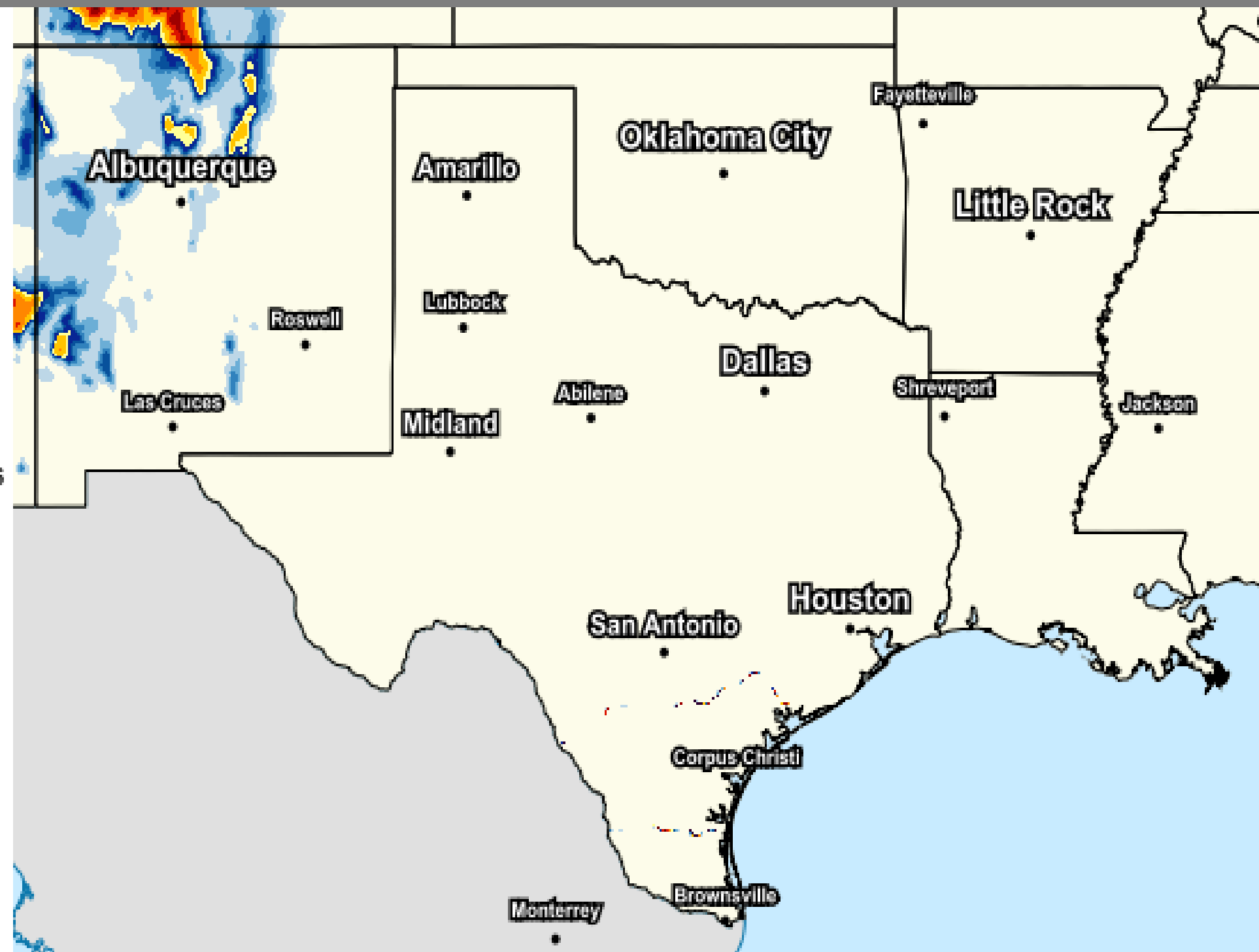
## Forecast Snow Amounts



### Forecast Snowfall

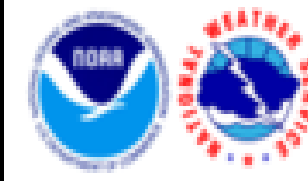
Valid Ending Thursday February 8th, 2024 at 6 AM CST

- 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  
February 5th, 2024  
5:21 AM CST

## Forecast Ice Amounts



### Ice Accumulation Forecast

Valid Ending Thursday February 8th, 2024 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

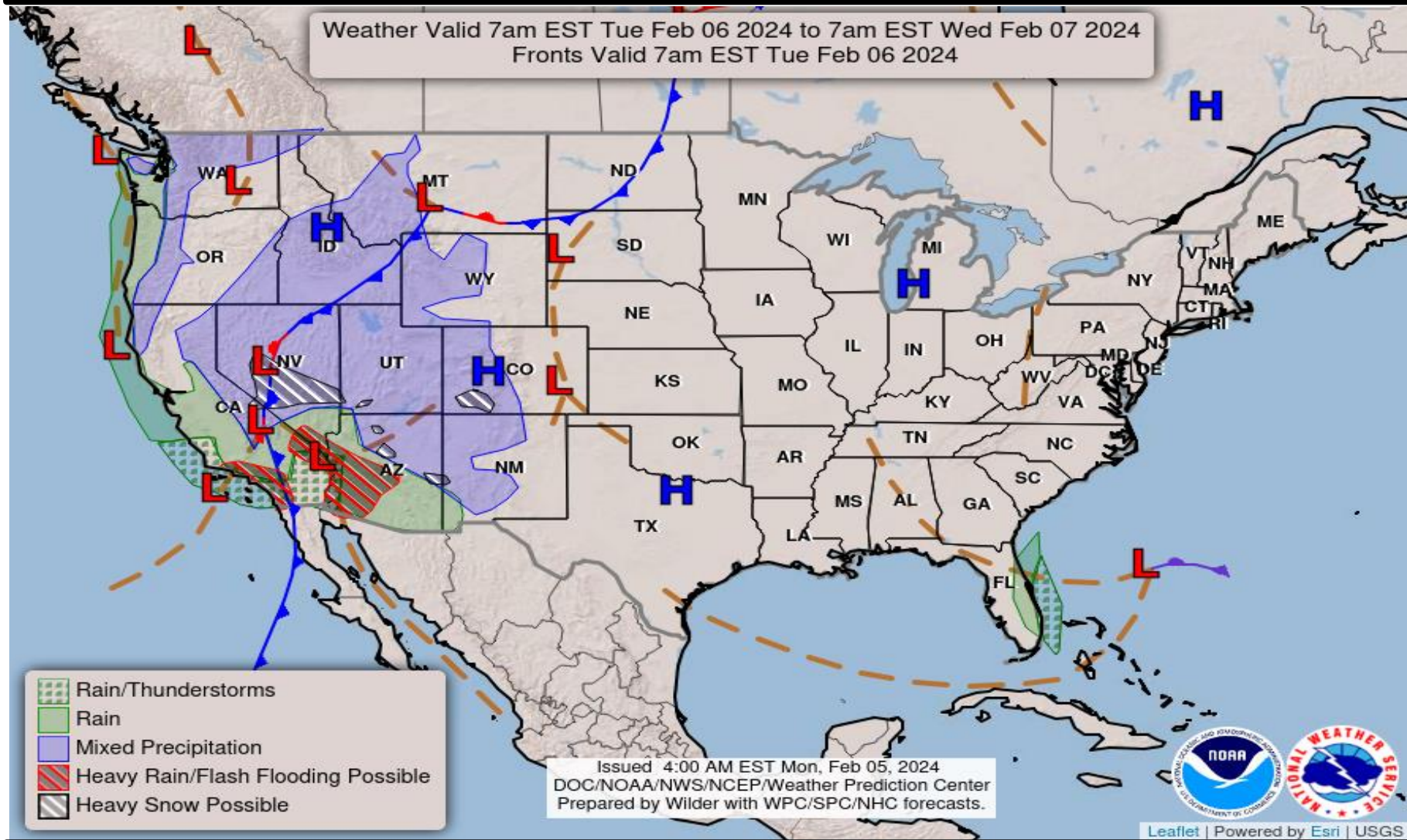


Graphic Created  
February 5th, 2024  
5:21 AM CST

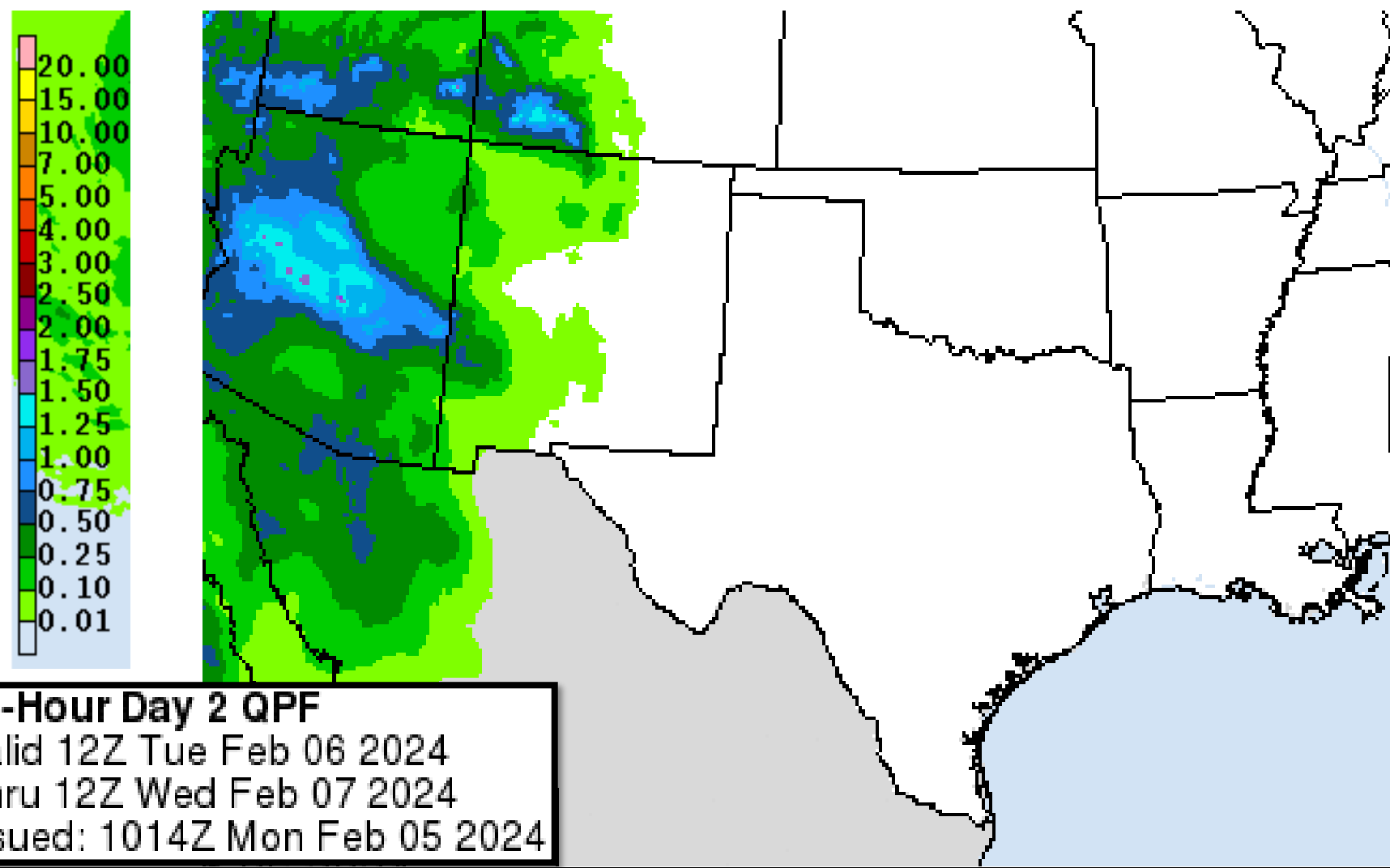


# Tomorrow's Weather

## Forecast Chart

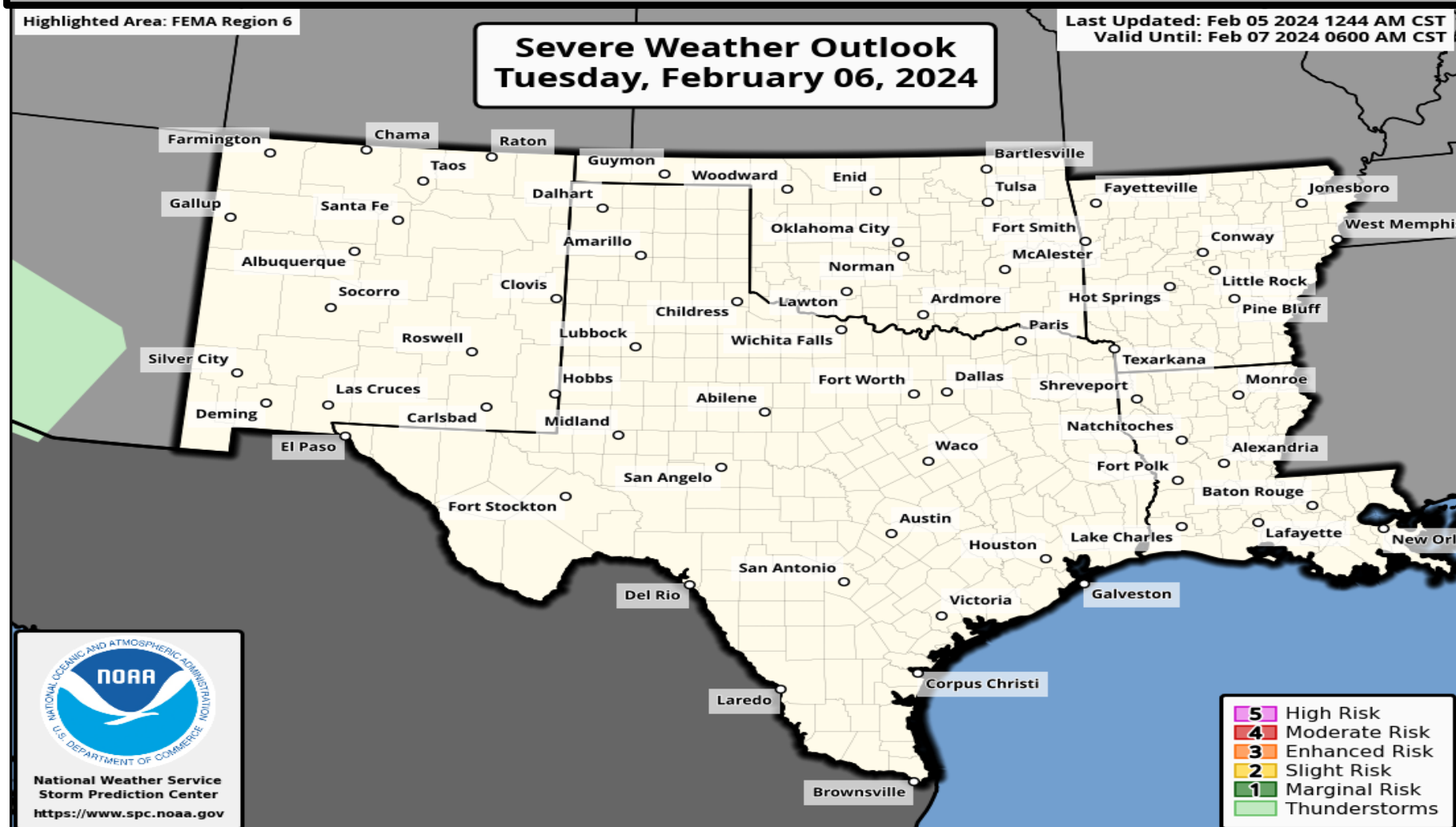


## Forecast Rainfall

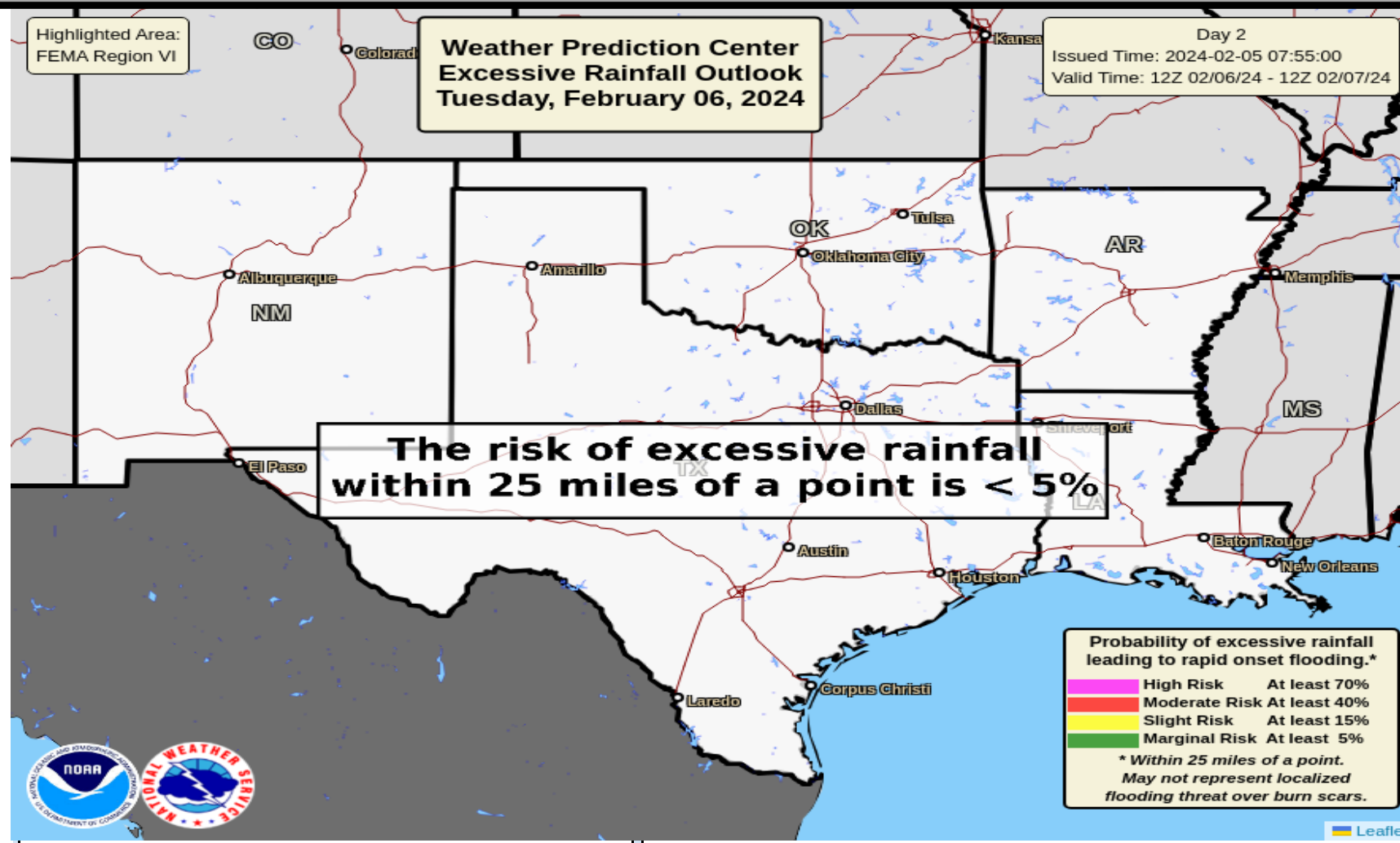


No significant weather expected.

## Severe Weather Outlook



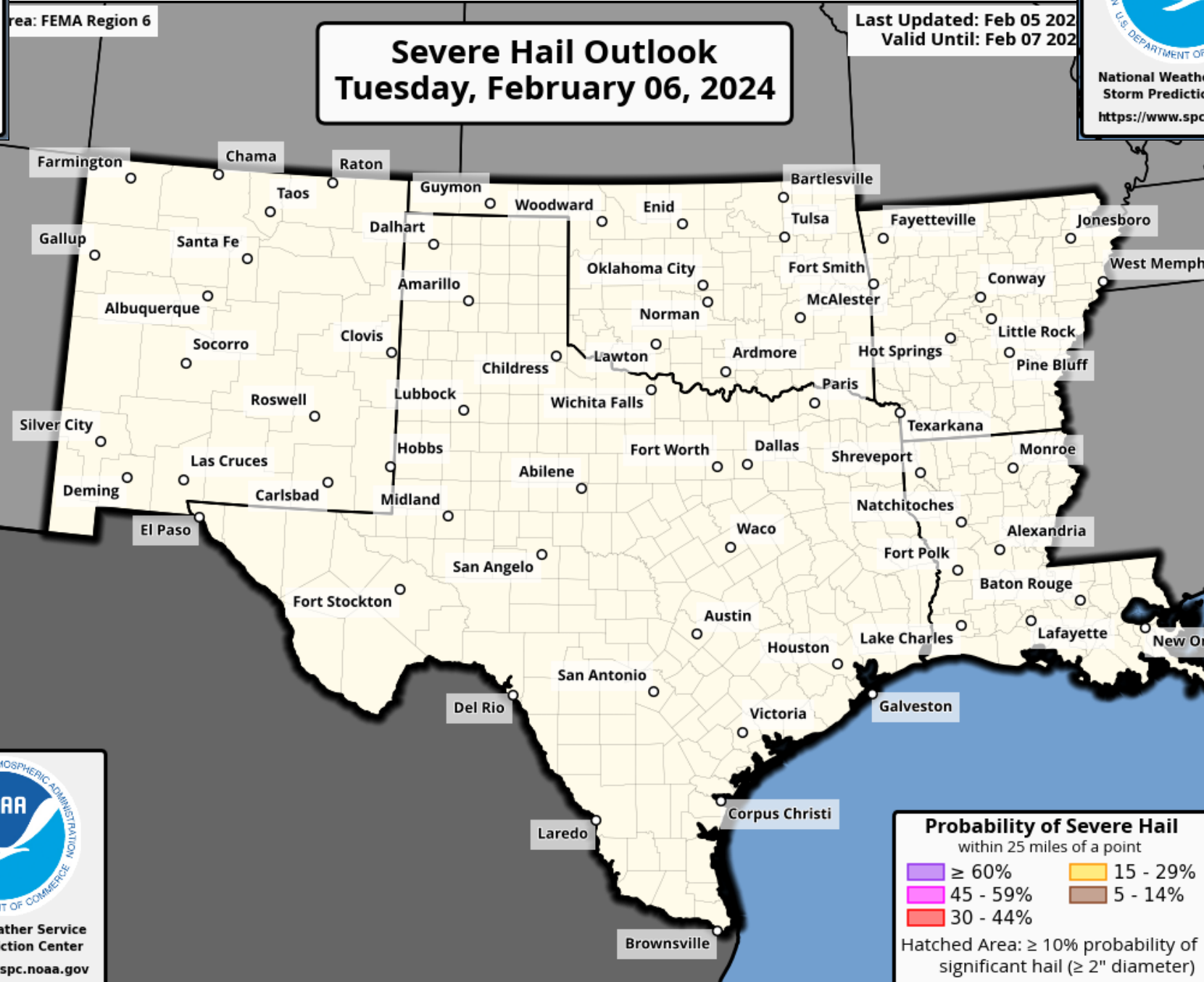
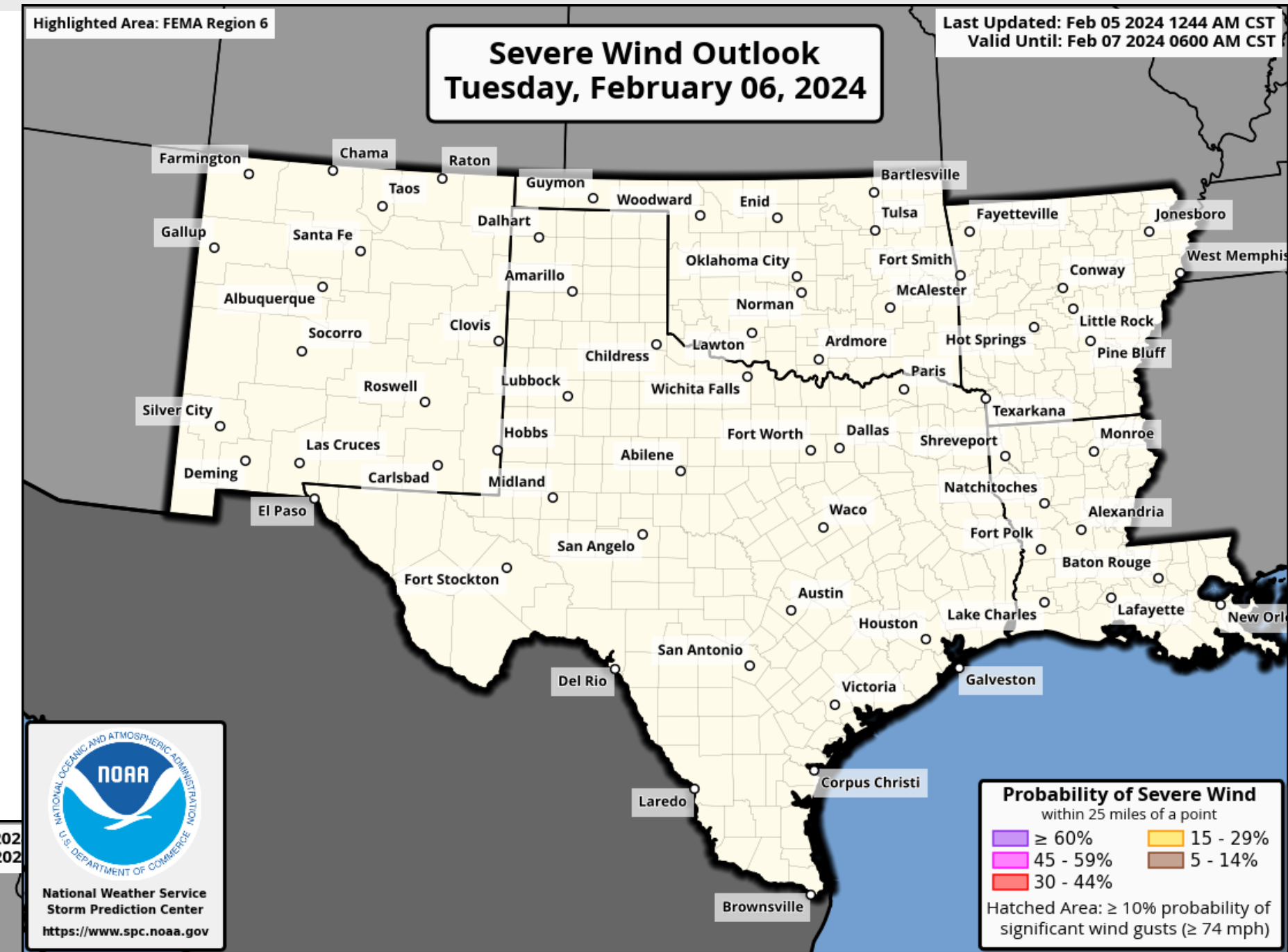
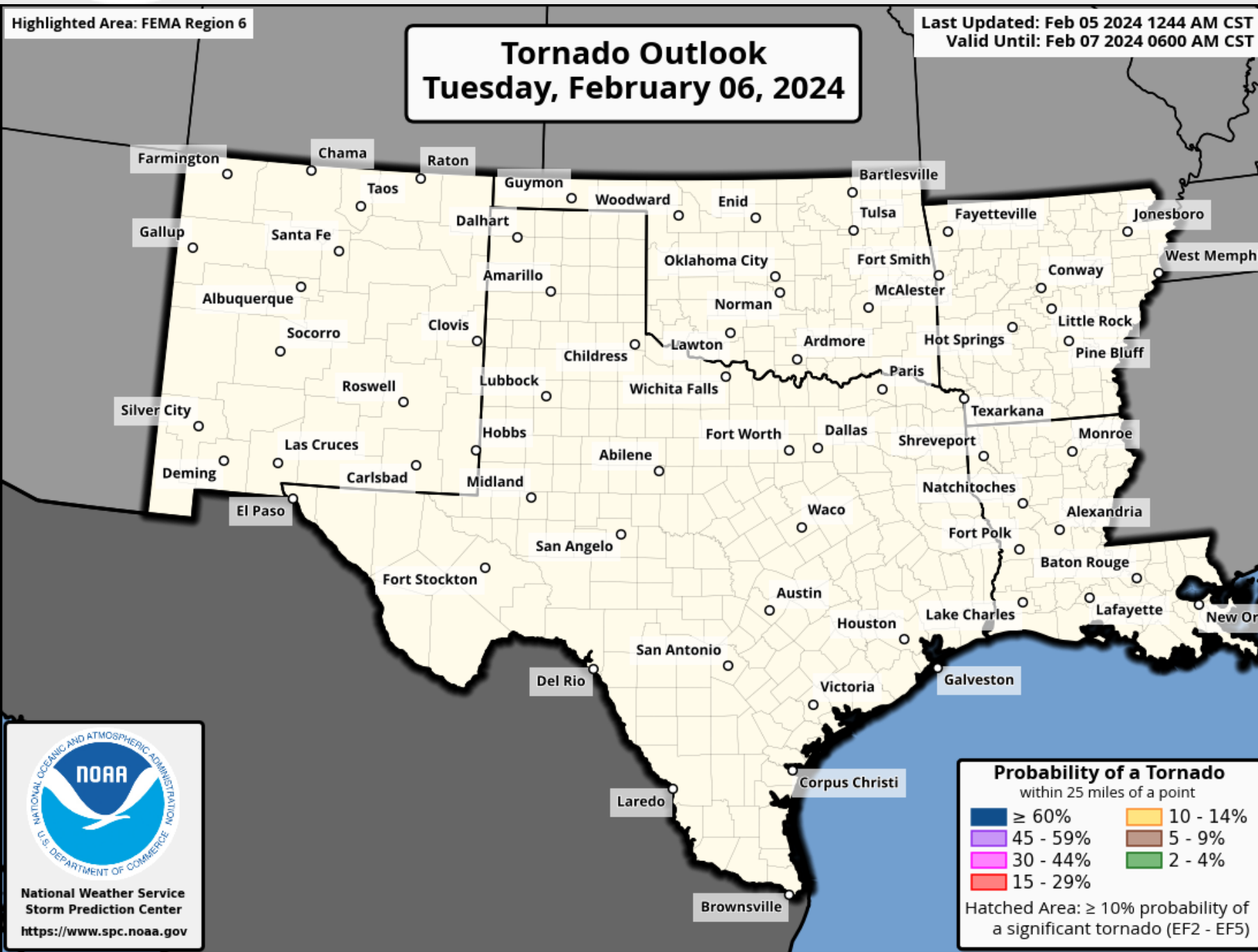
## Excessive Rainfall Outlook







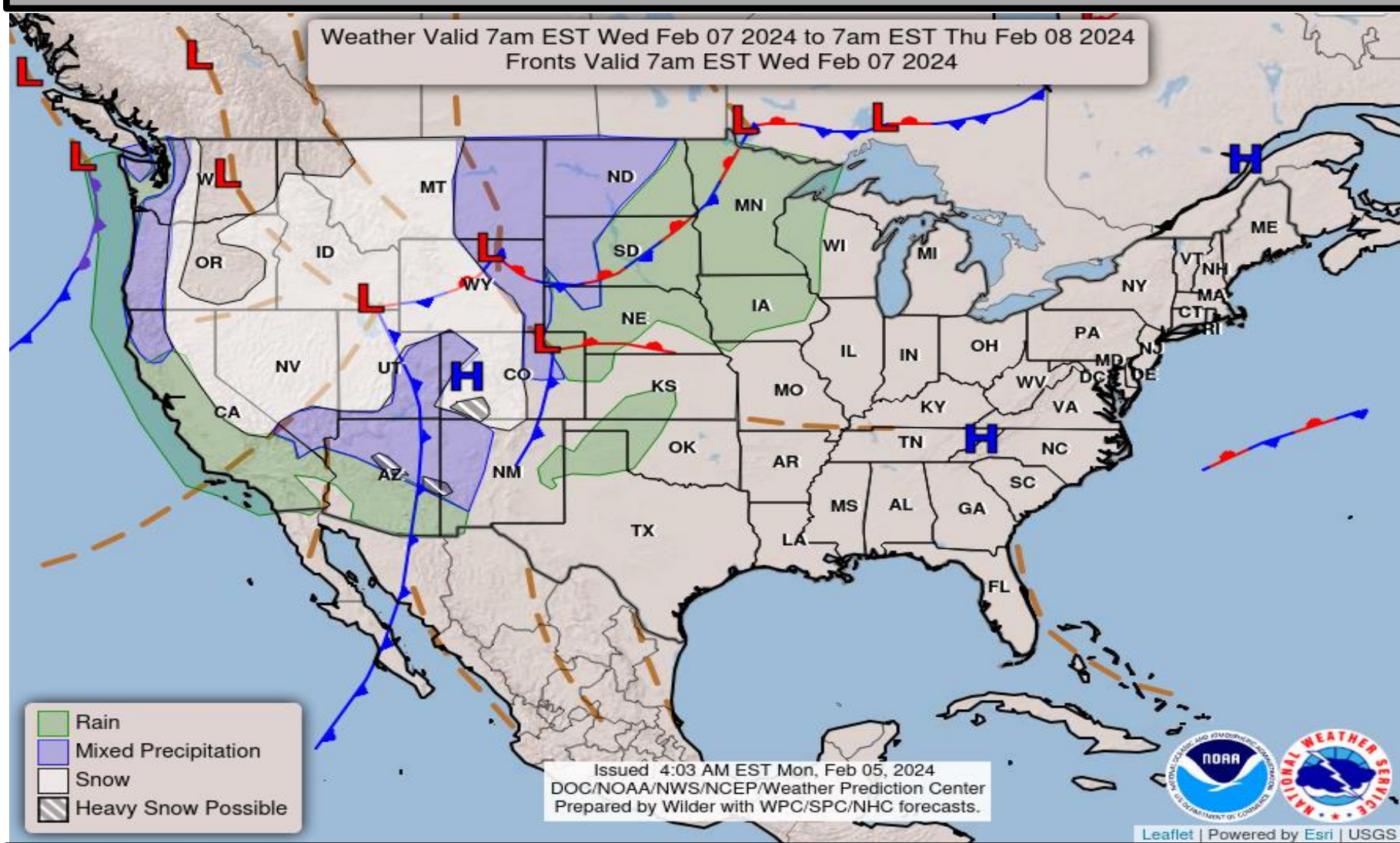
# Tomorrow's Tornado & Severe Wind / Hail Probabilities



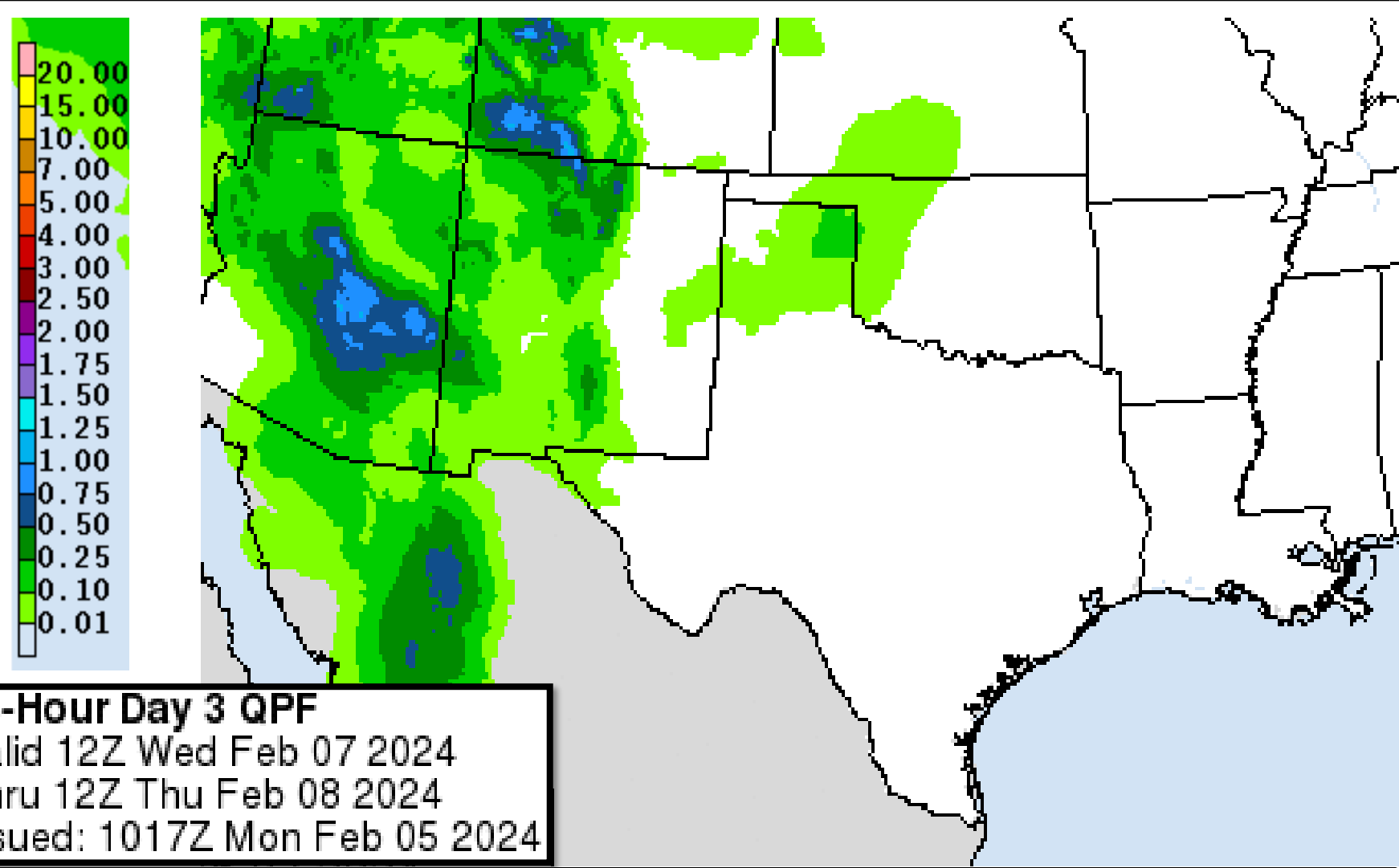


# Wednesday's Weather

## Forecast Chart

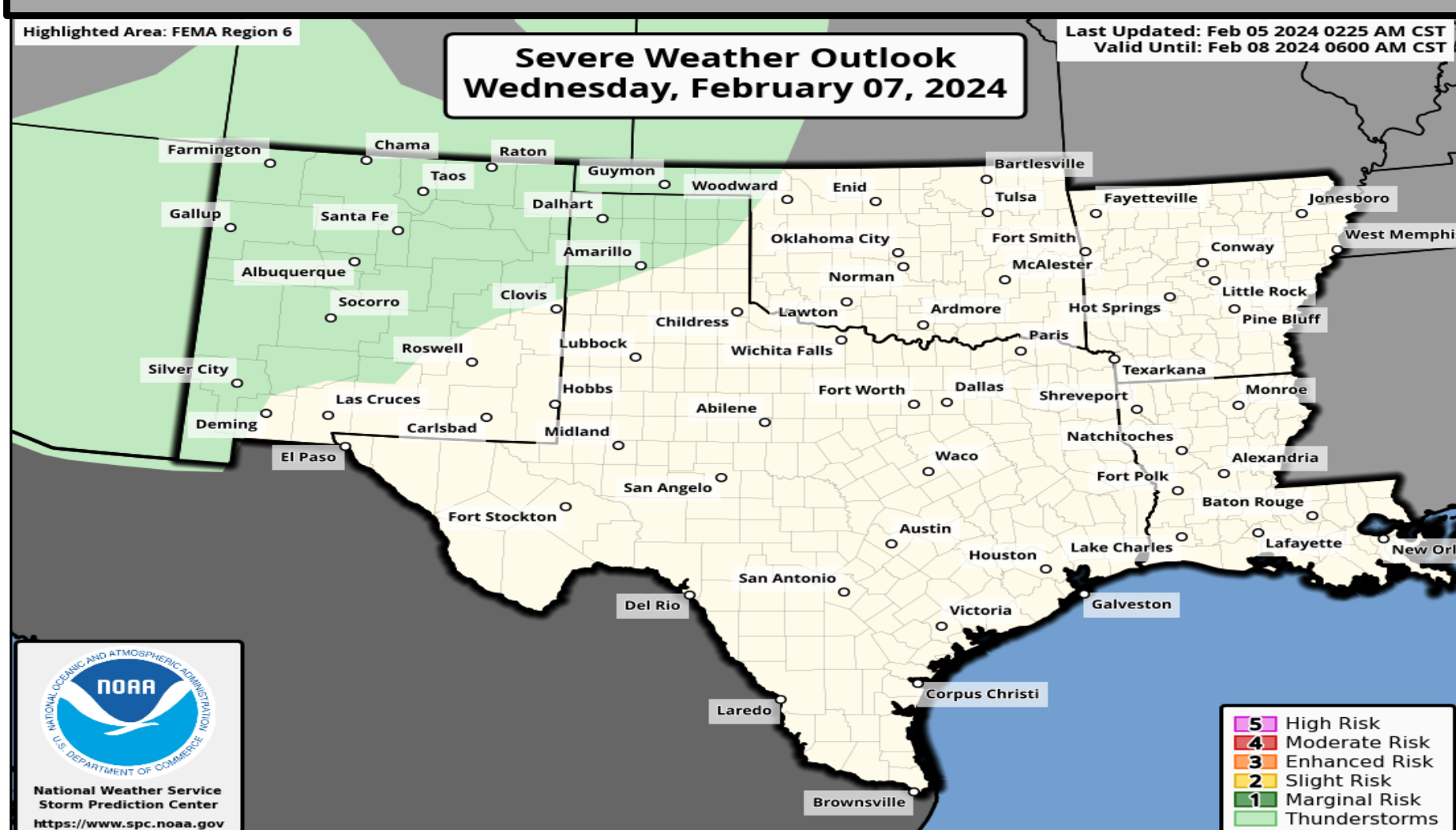


## Forecast Rainfall

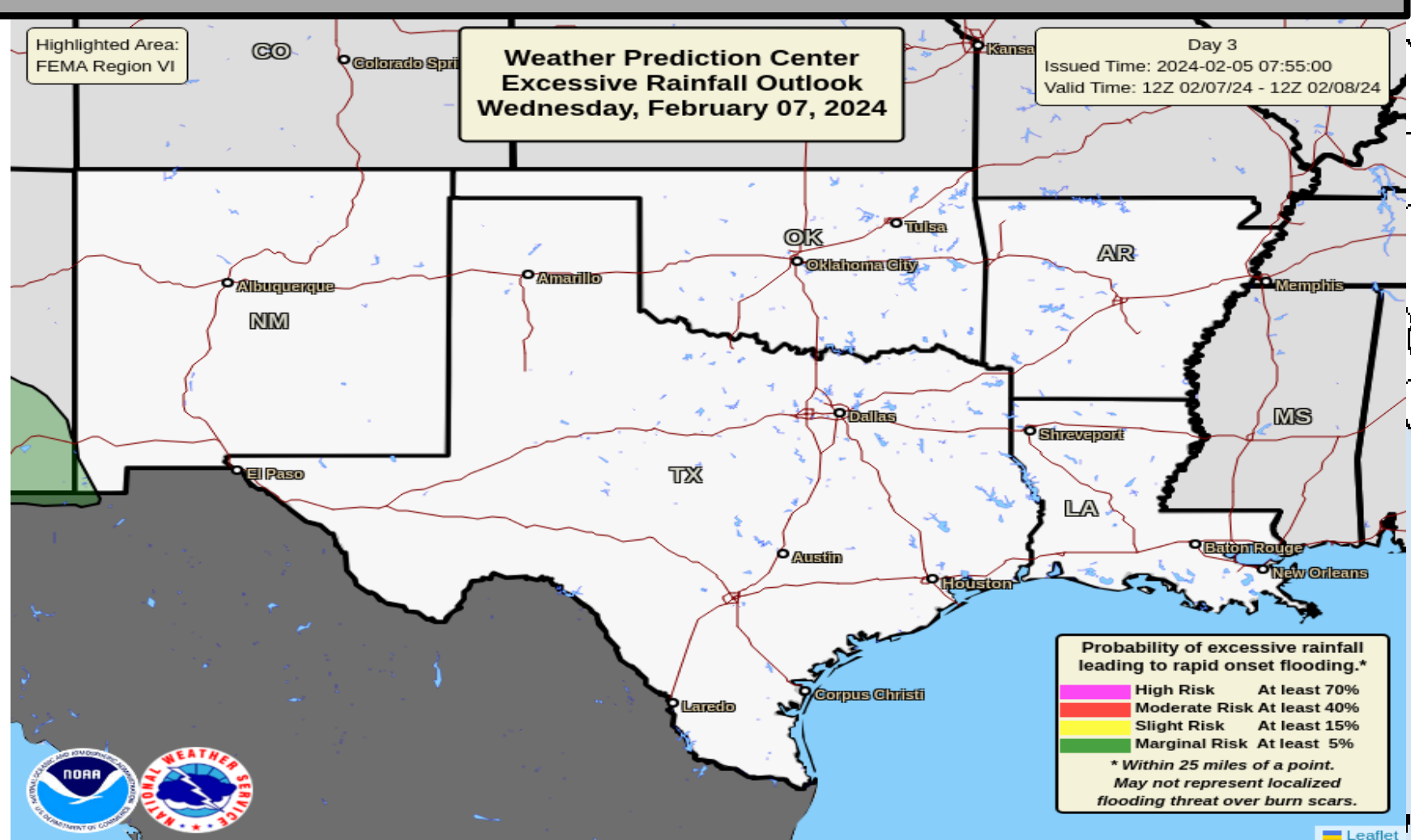


No significant weather expected.

## Severe Weather Outlook



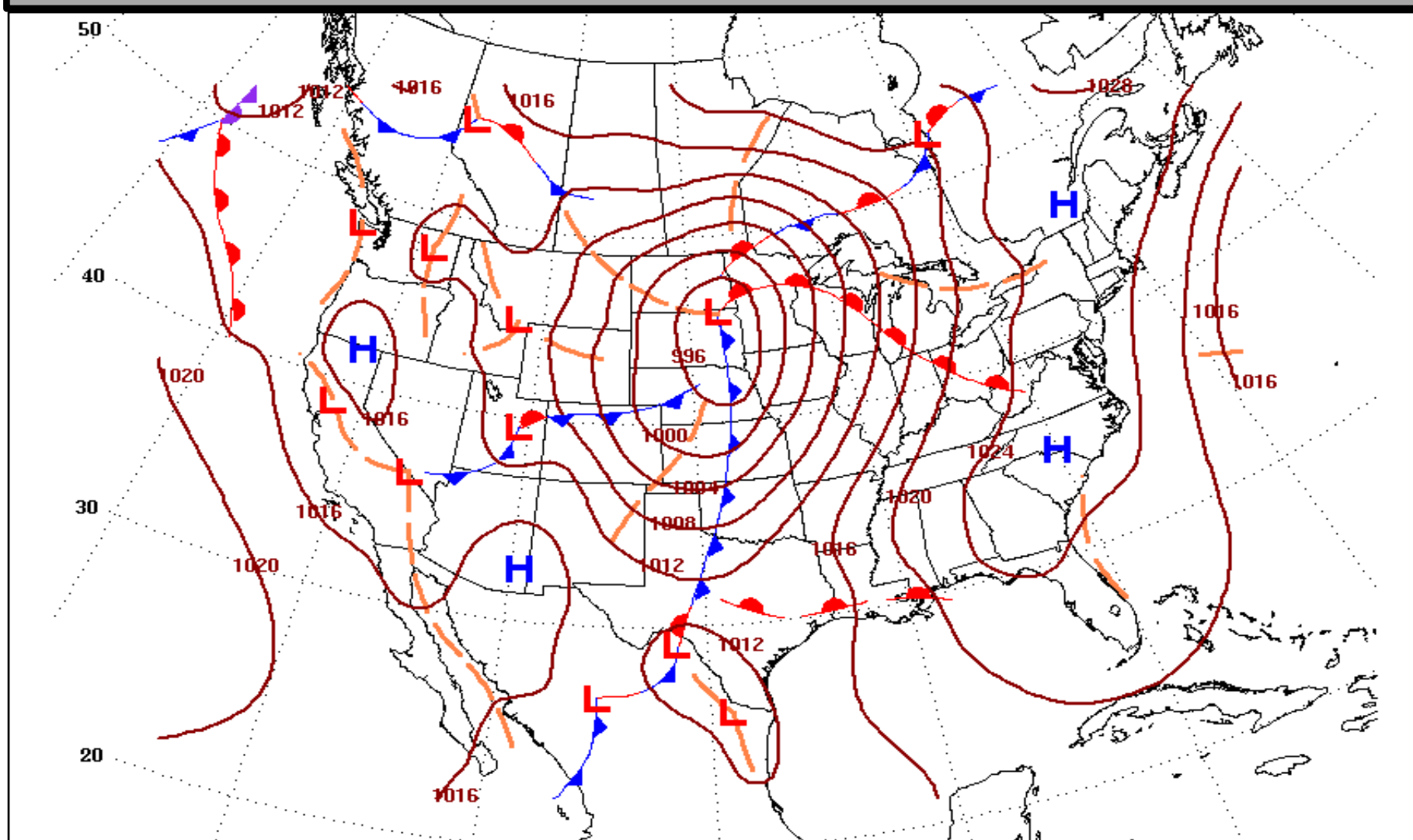
## Excessive Rainfall Outlook



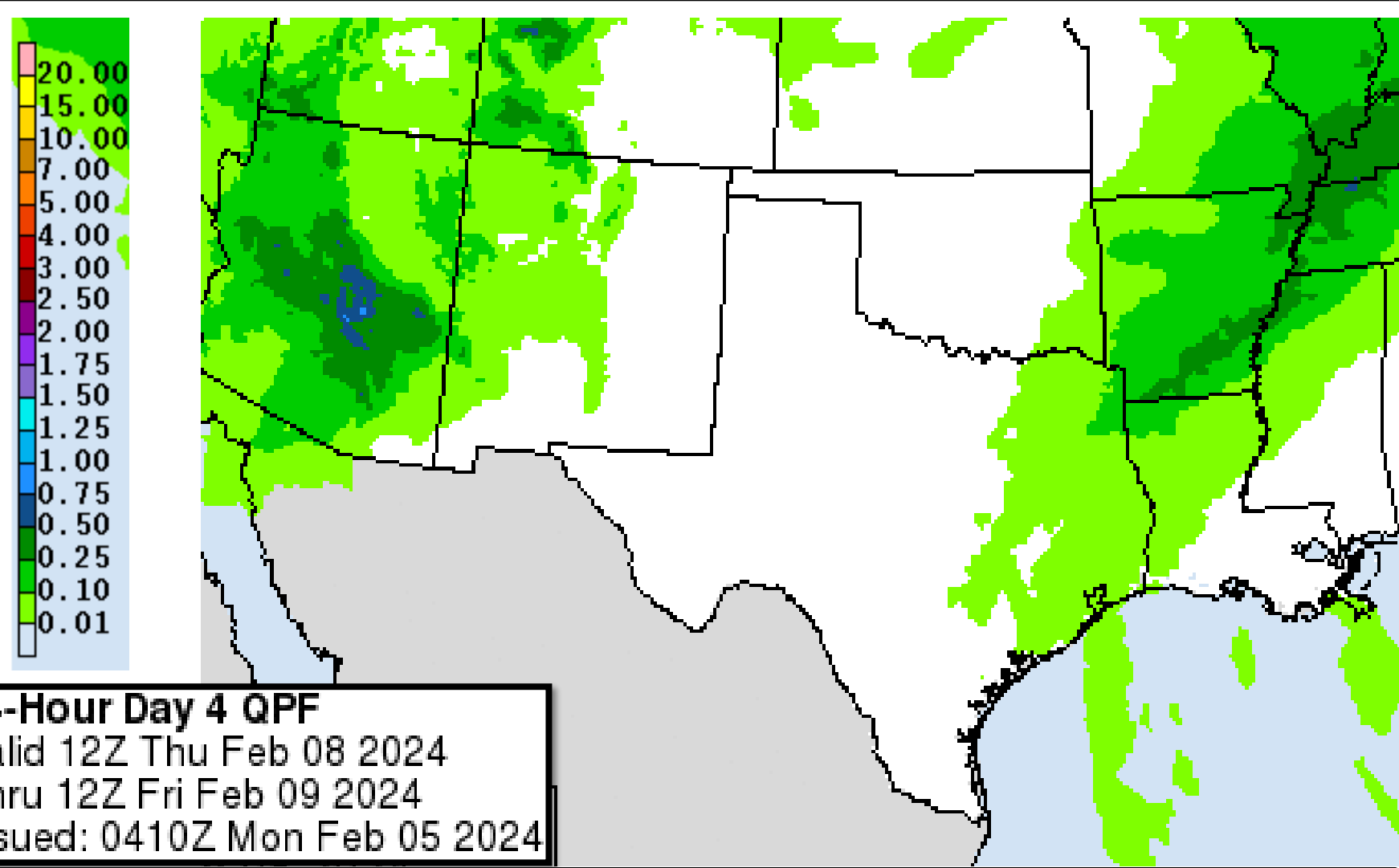


# Thursday's Weather

## Forecast Chart



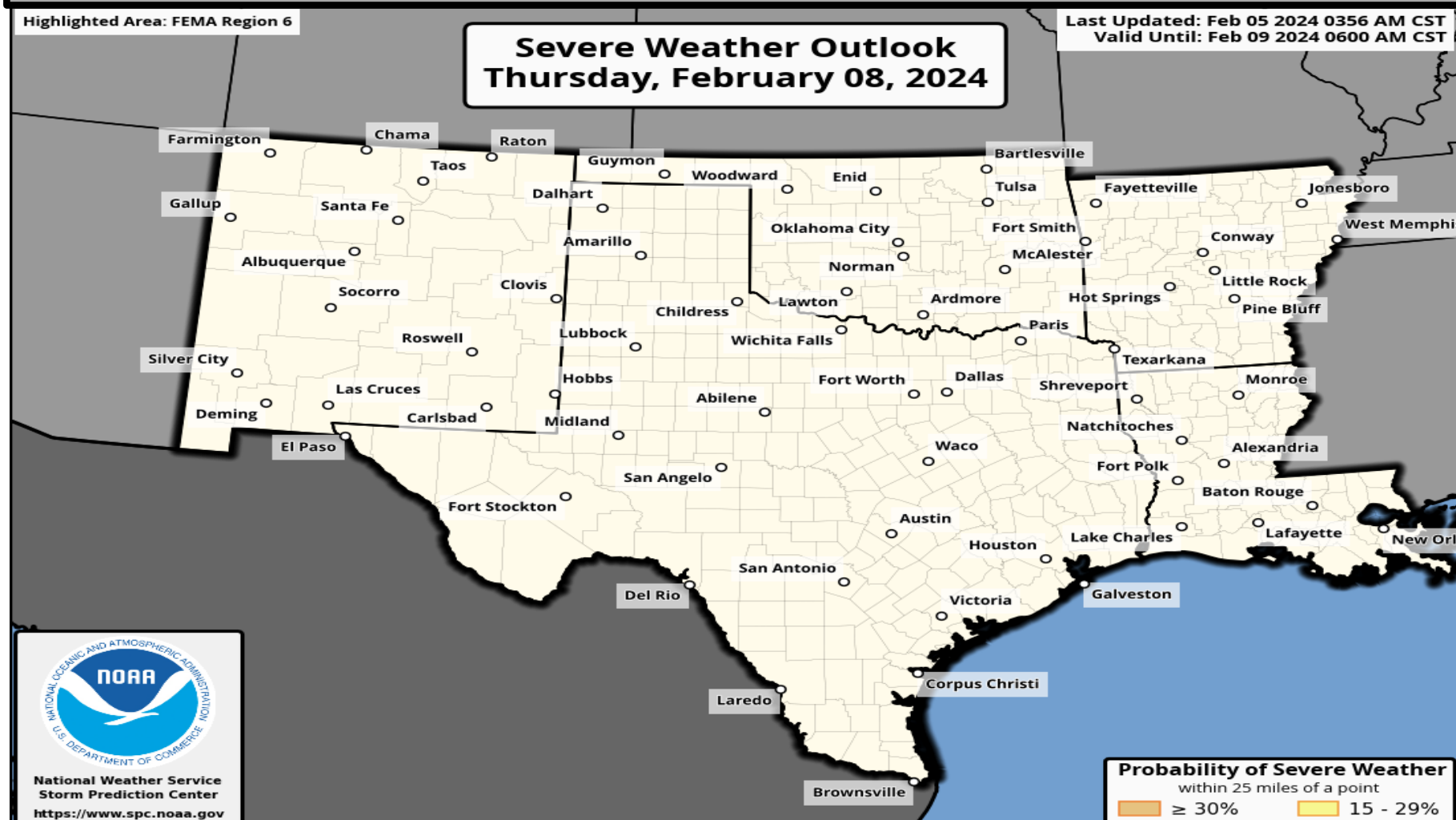
## Forecast Rainfall



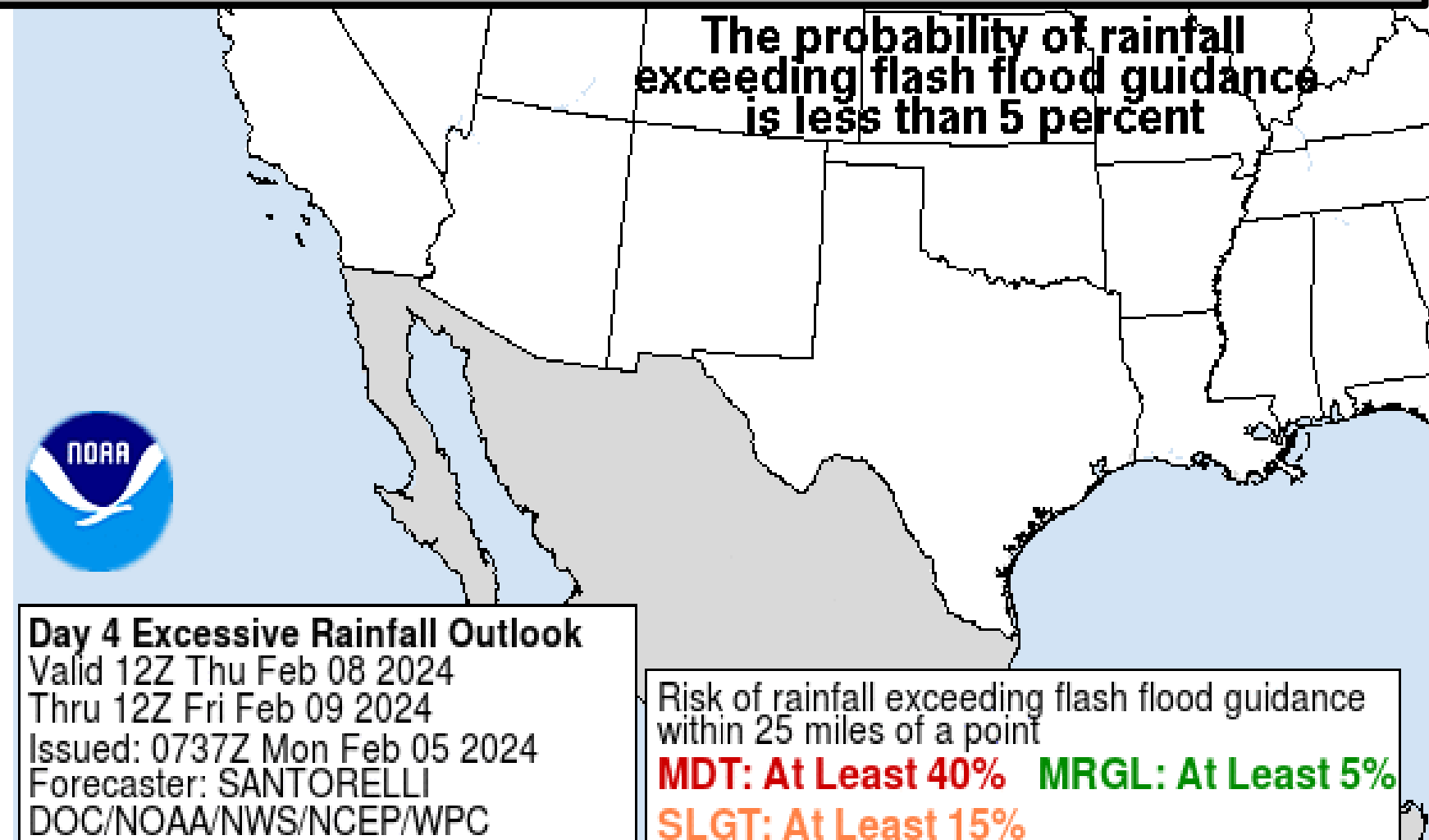
No significant weather expected.

24-Hour Day 4 QPF  
Valid 12Z Thu Feb 08 2024  
Thru 12Z Fri Feb 09 2024  
Issued: 0410Z Mon Feb 05 2024

## Severe Weather Outlook



## Excessive Rainfall Outlook



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

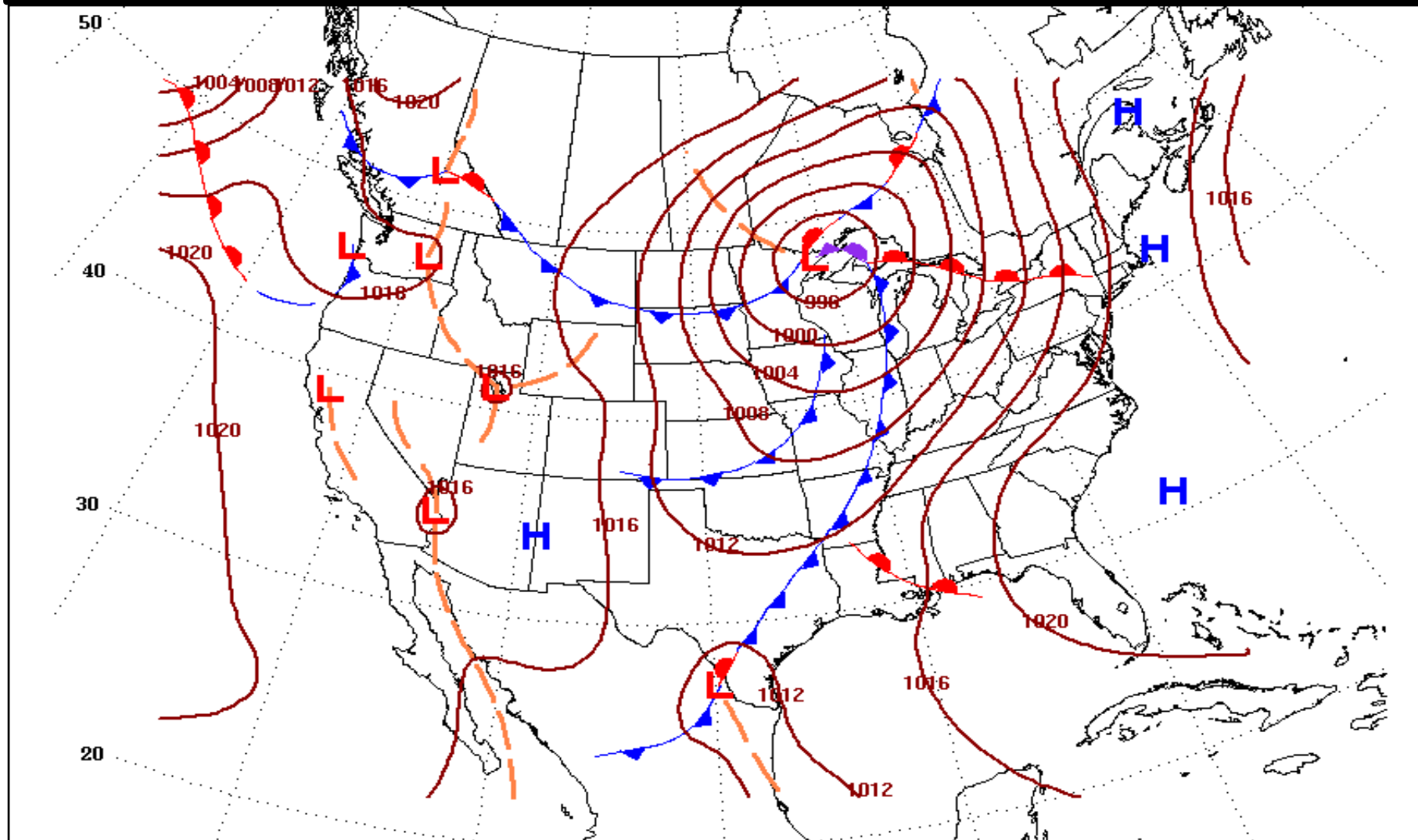
Day 4 Excessive Rainfall Outlook  
Valid 12Z Thu Feb 08 2024  
Thru 12Z Fri Feb 09 2024  
Issued: 0737Z Mon Feb 05 2024  
Forecaster: SANTORELLI  
DOC/NOAA/NWS/NCEP/WPC

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%**

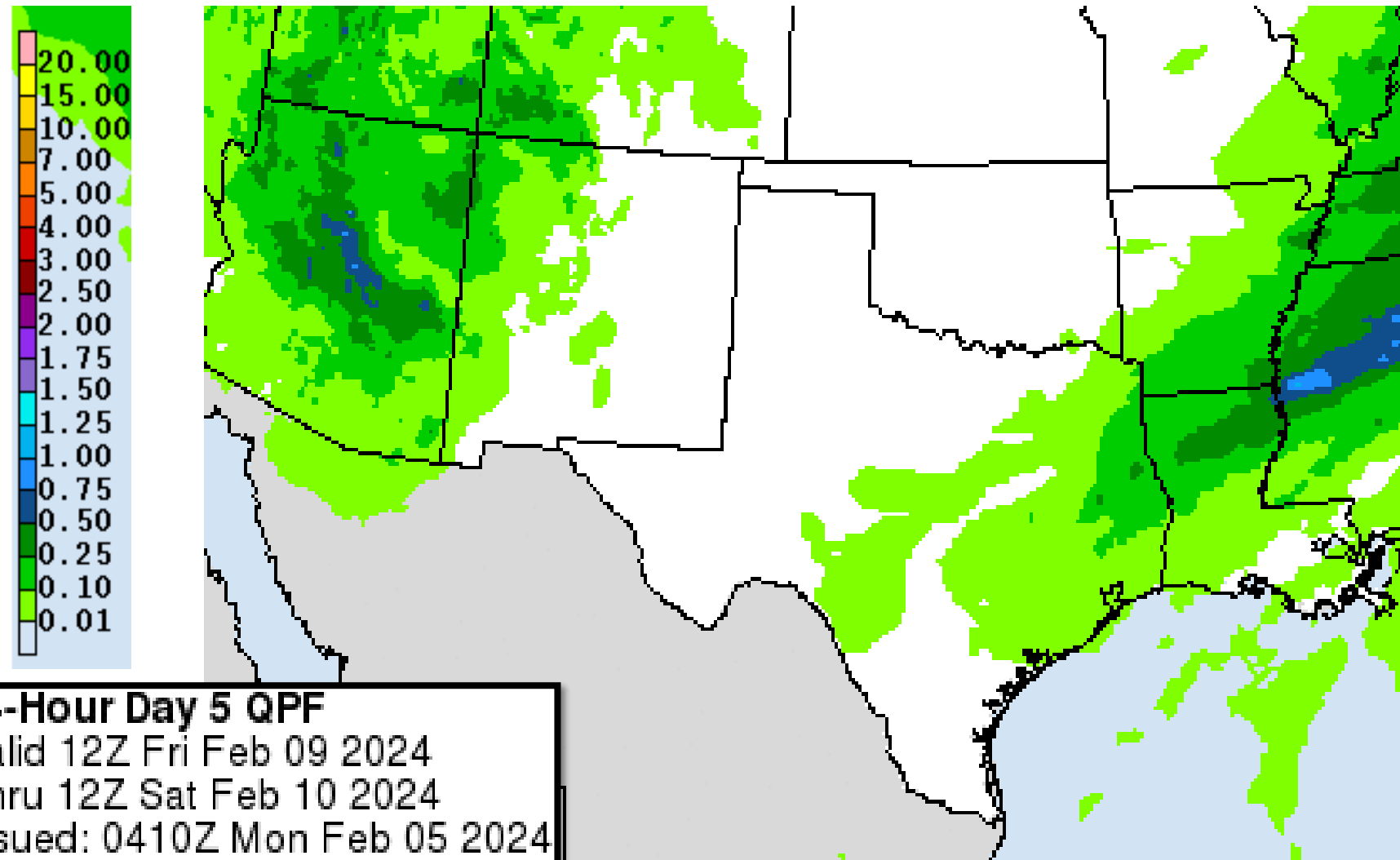


# Friday's Weather

## Forecast Chart



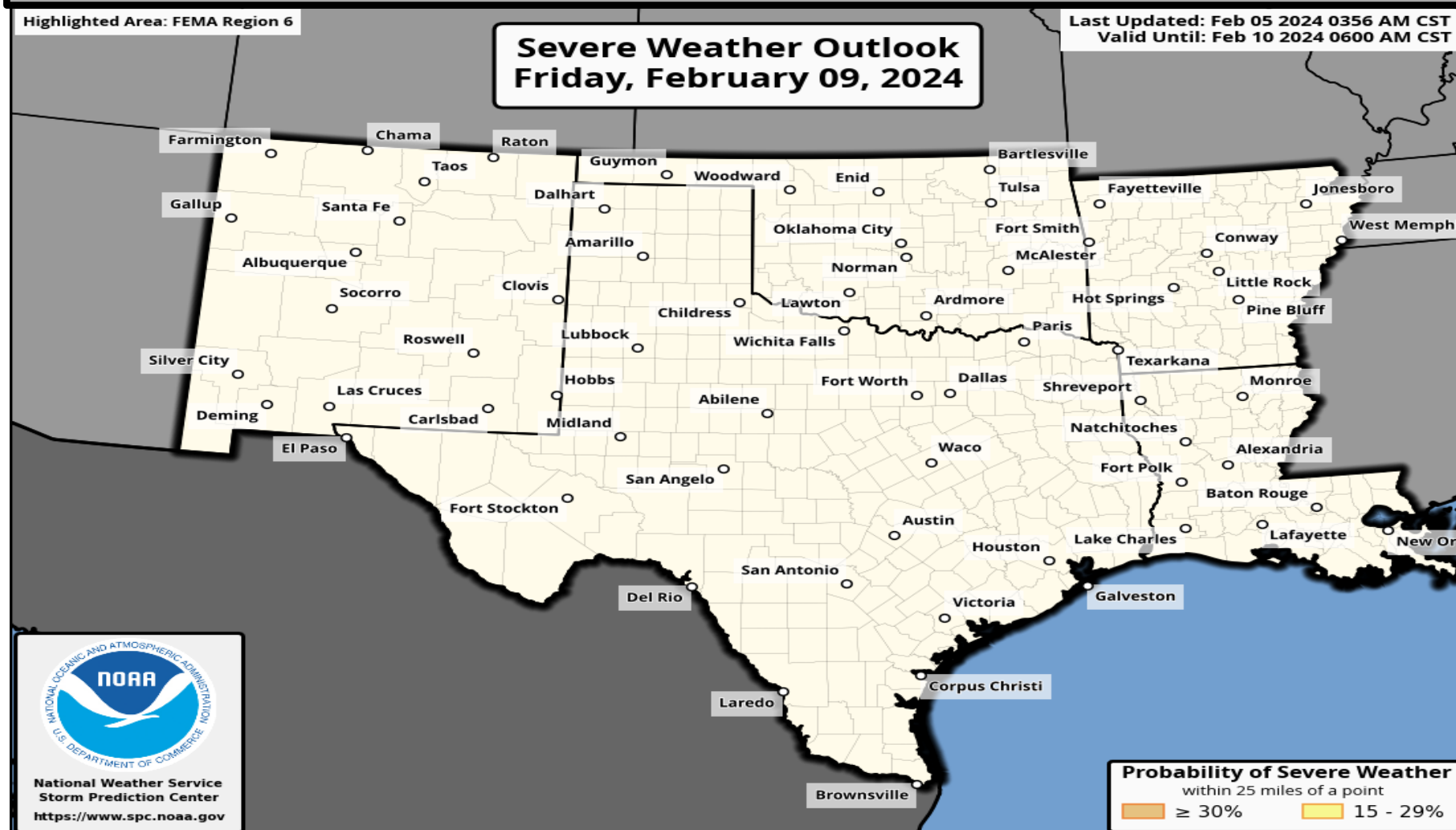
## Forecast Rainfall



No significant weather expected.

24-Hour Day 5 QPF  
Valid 12Z Fri Feb 09 2024  
Thru 12Z Sat Feb 10 2024  
Issued: 0410Z Mon Feb 05 2024

## Severe Weather Outlook



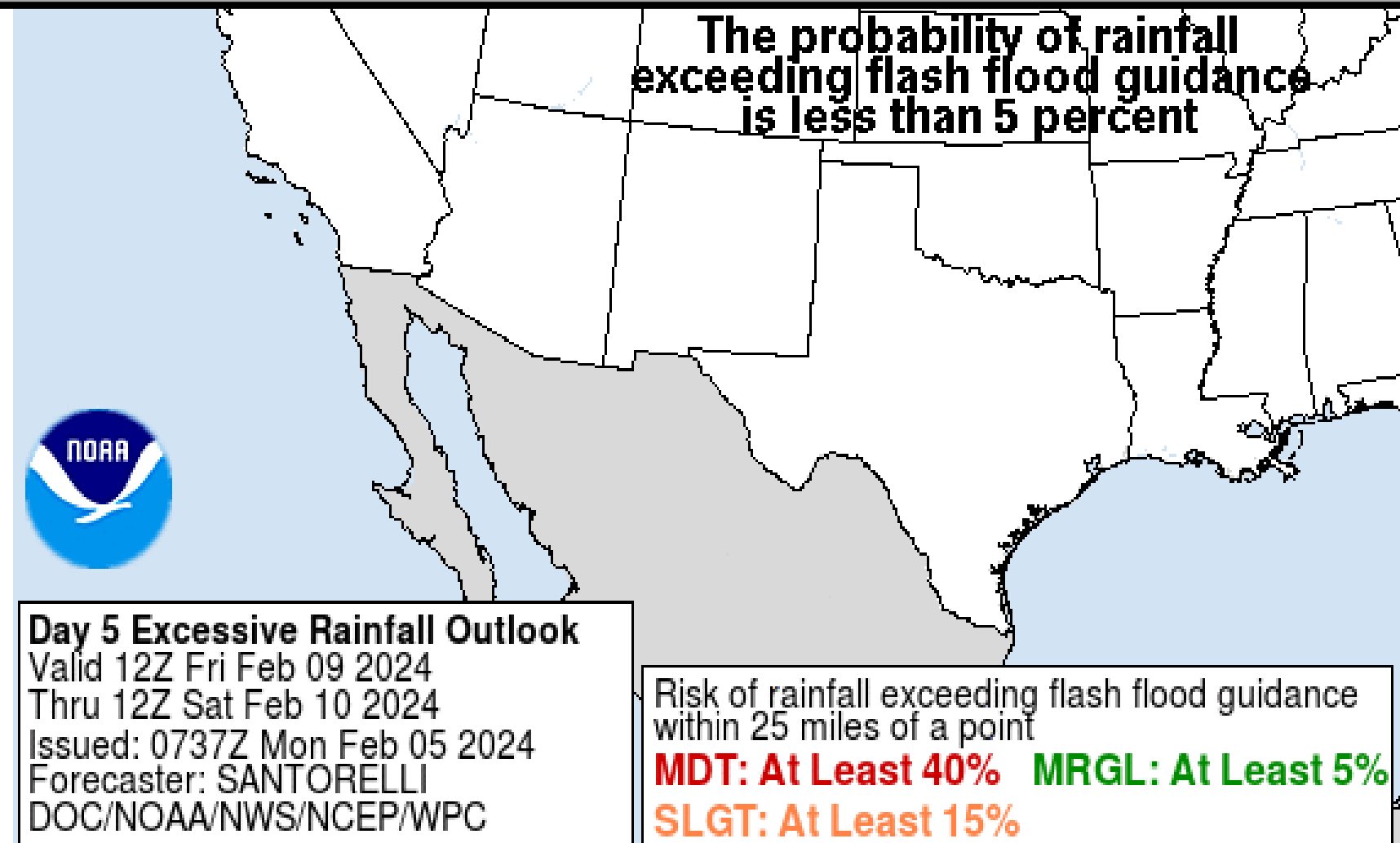
Severe Weather Outlook  
Friday, February 09, 2024

Last Updated: Feb 05 2024 0356 AM CST  
Valid Until: Feb 10 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

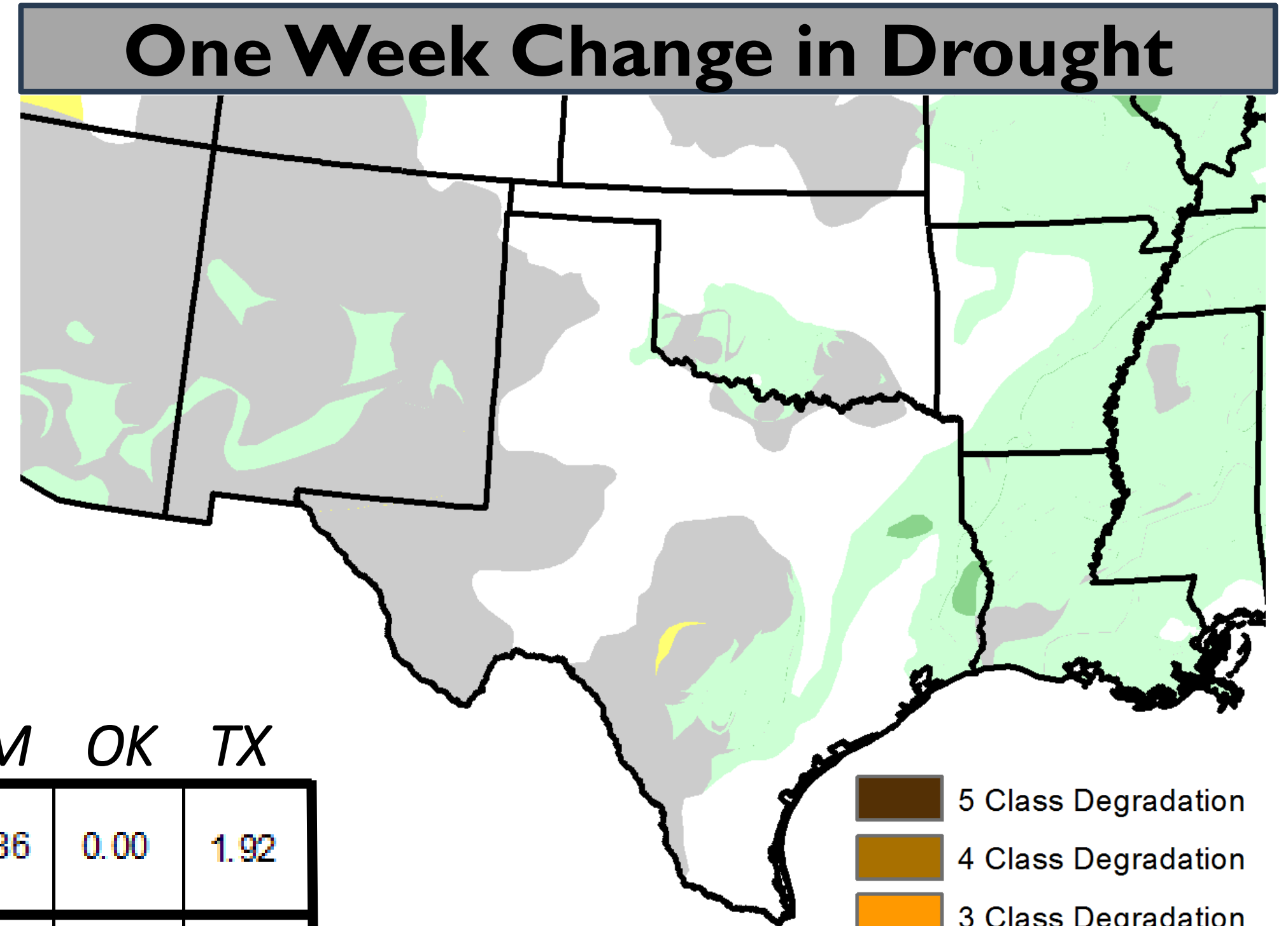
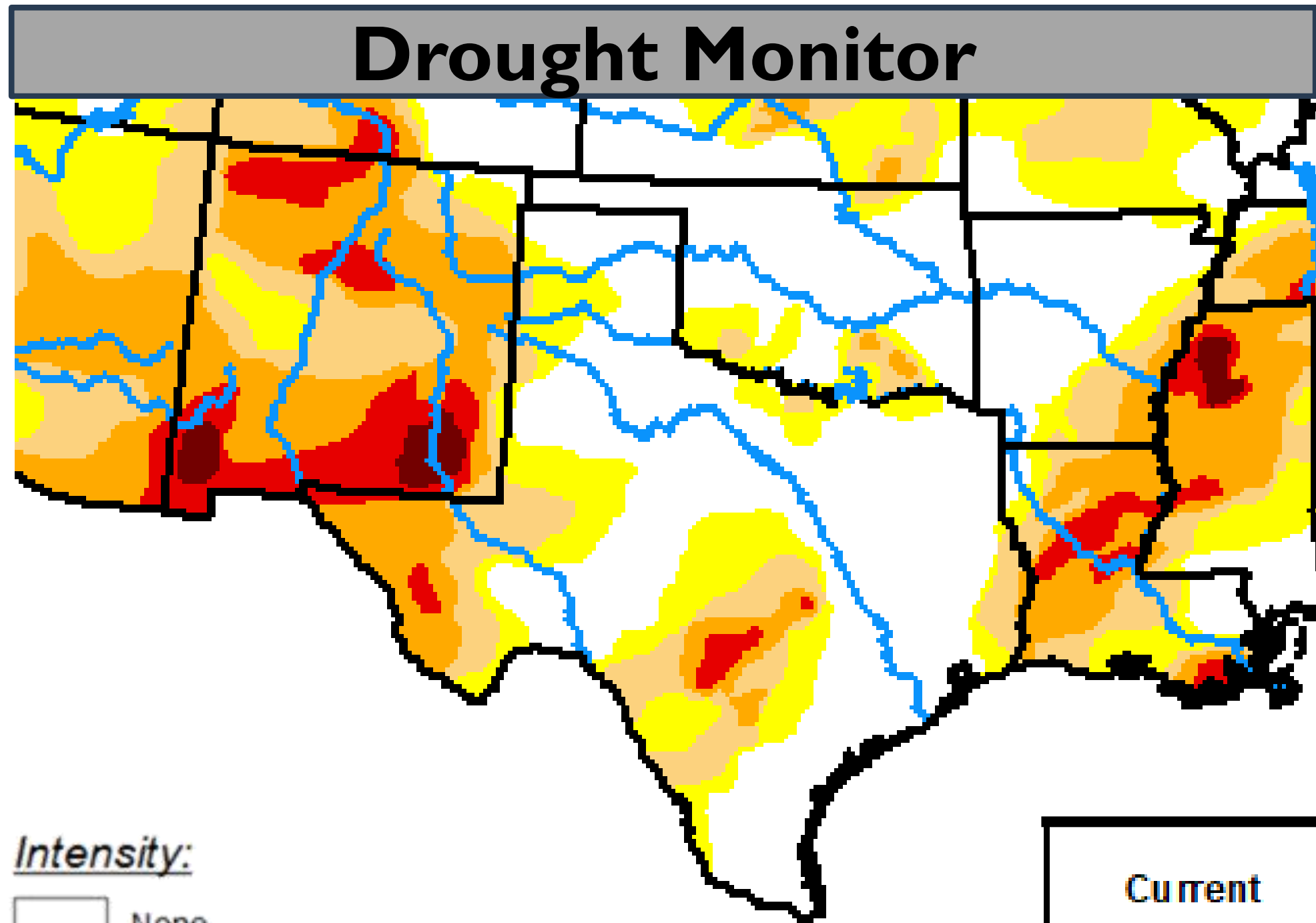
Day 5 Excessive Rainfall Outlook  
Valid 12Z Fri Feb 09 2024  
Thru 12Z Sat Feb 10 2024  
Issued: 0737Z Mon Feb 05 2024  
Forecaster: SANTORELLI  
DOC/NOAA/NWS/NCEP/WPC

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 Feb 1, 2024)

Data valid as of 8 am ET on Tuesday, January 30, 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

	AR	LA	NM	OK	TX
<b>Current</b>	0.20	14.57	28.86	0.00	1.92
<b>Last Week</b> <i>01-23-2024</i>	8.54	42.49	34.93	0.00	3.25
<b>3 Months Ago</b> <i>10-31-2023</i>	0.02	87.71	36.69	1.16	10.94
<b>One Year Ago</b> <i>01-31-2023</i>	0.00	0.00	3.78	55.71	7.89

Drought Conditions (Percent Area)

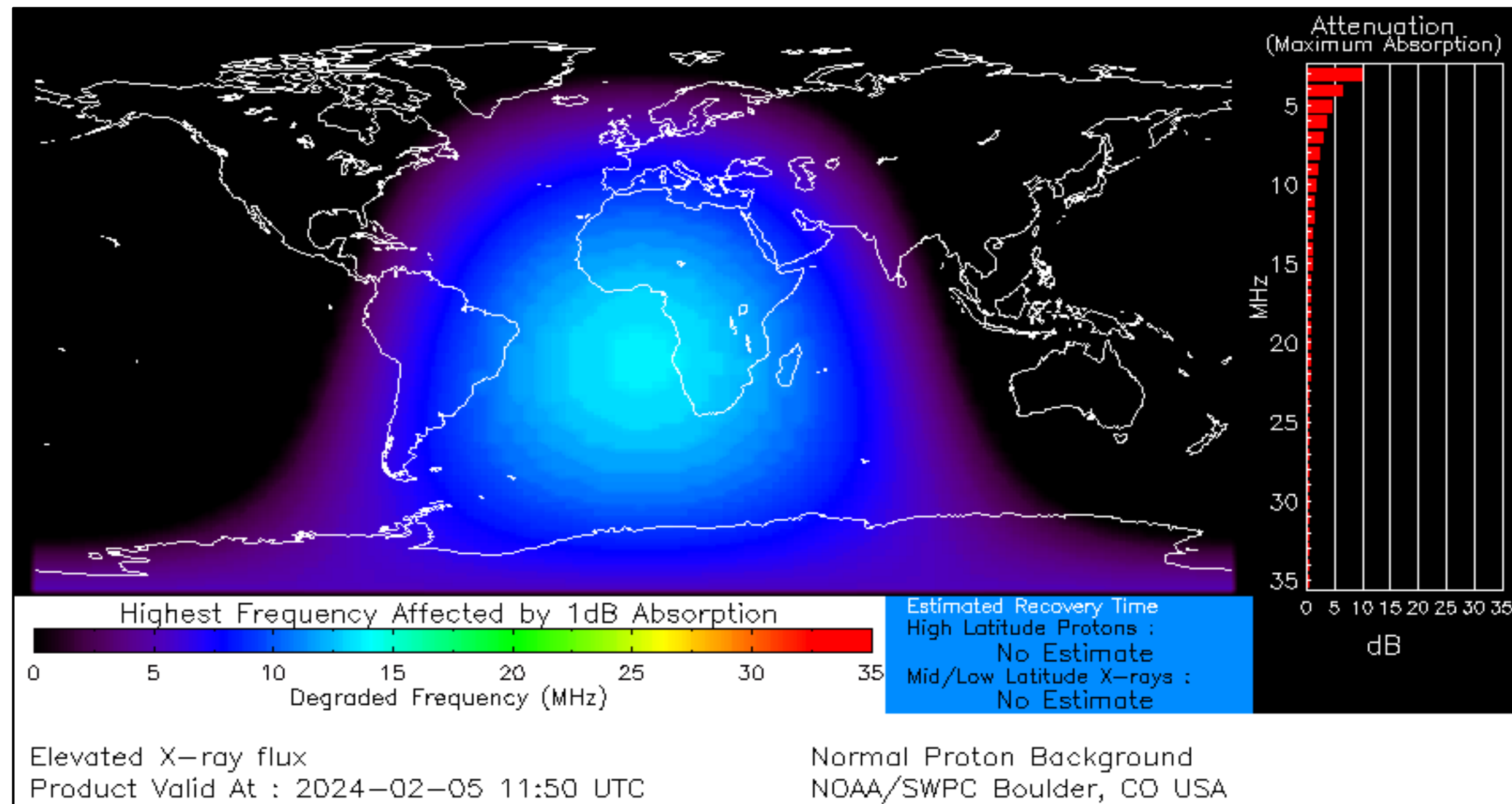
**D3-D4 (Extreme to Exceptional Drought)**

- 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



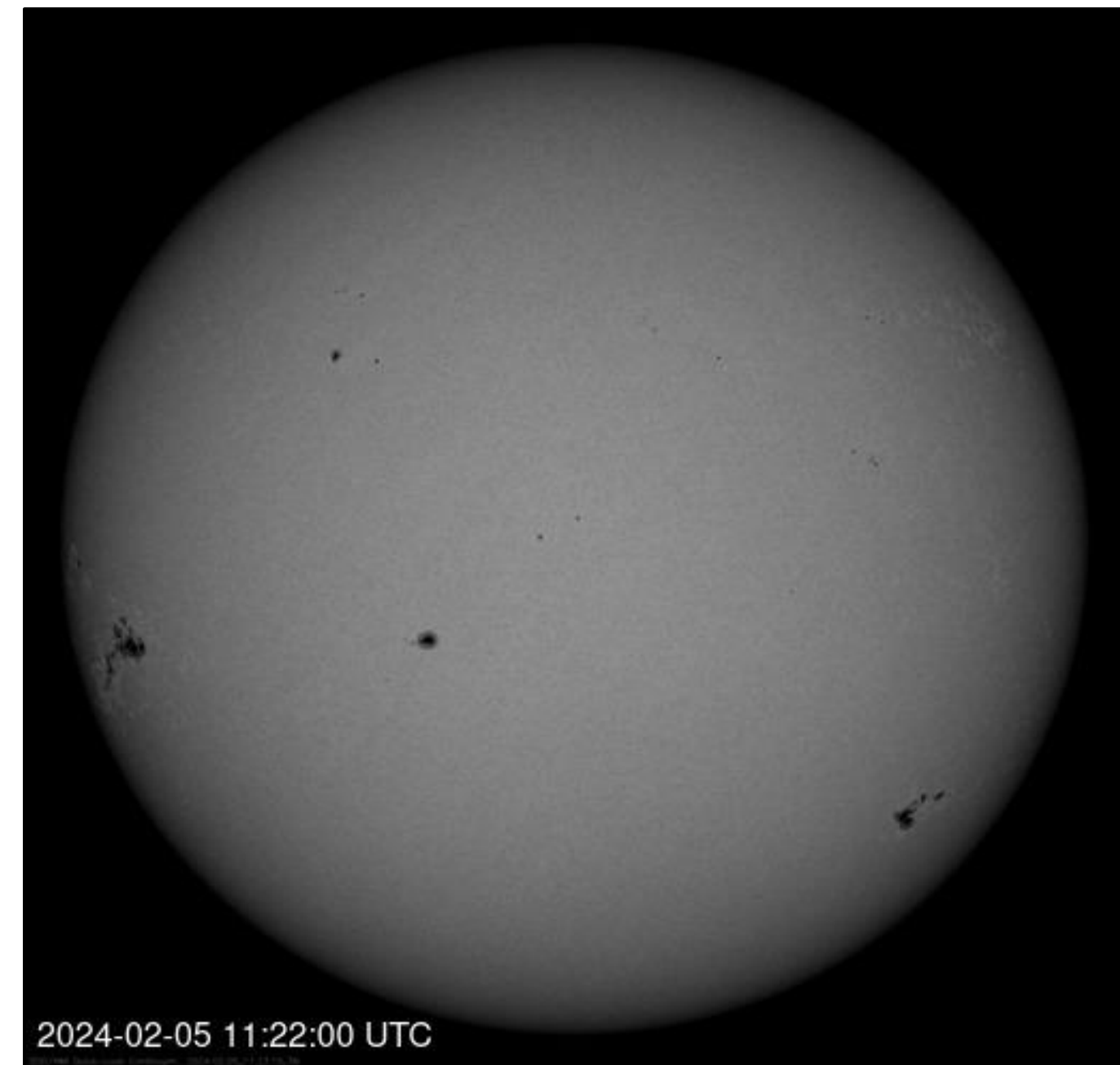
# Space Weather 3-Day Forecast

	Monday	Tuesday	Wednesday
<b>Geomagnetic Storms</b>	<b>Unsettled (Max Kp = 3)</b>	<b>Unsettled (Max Kp = 3)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	<b>15%</b>	<b>15%</b>	<b>15%</b>
<b>Radio Blackout (R1-R2)</b>	<b>70%</b>	<b>70%</b>	<b>70%</b>
<b>Radio Blackout (R3-R5)</b>	<b>15%</b>	<b>15%</b>	<b>15%</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 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)