



FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Thursday February 1, 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

- **Snow and gusty winds in the NM mountains may result in difficult travel Friday/Saturday. Gusty winds for much of the rest of NM into W TX may result in difficult travel, damage to trees, downed power lines (power outages), blowing dust (reduced visibility), and near critical fire weather conditions.**
- **Heavy rain/flash flooding potential across N/Ctrl/S/SE TX, OK on Friday and E/SE TX, E OK, AR, LA on Saturday.**
- **Marginal risk of isolated strong/severe storms for N/Ctrl/S TX, W OK on Friday and for SE TX, LA coast on Saturday.**
- **Minor/isolated moderate river flooding across E/SE TX, AR, LA.**



# FEMA Region 6 Threat Matrix

Feb 1, 2024 - Feb 5, 2024

DAY / THREAT	Thu	Fri	Sat	Sun	Mon
Severe Storms		N/Ctrl/STX, W OK	SE TX, LA coast		
Heavy Rain / Flash Flooding		N/Ctrl/S/SETX, OK	E/SETX, SE OK, SAR, LA		
Fire Weather			SE NM, WTX		
Cold					
Winds		NM, WTX	NM, WTX		
Winter Weather		NM mountains	NM mountains		
River Flooding	E/SETX, LA, AR	E/SETX, LA, AR	E/SETX, LA, AR	E/SETX, LA, AR	E/SETX, LA, AR

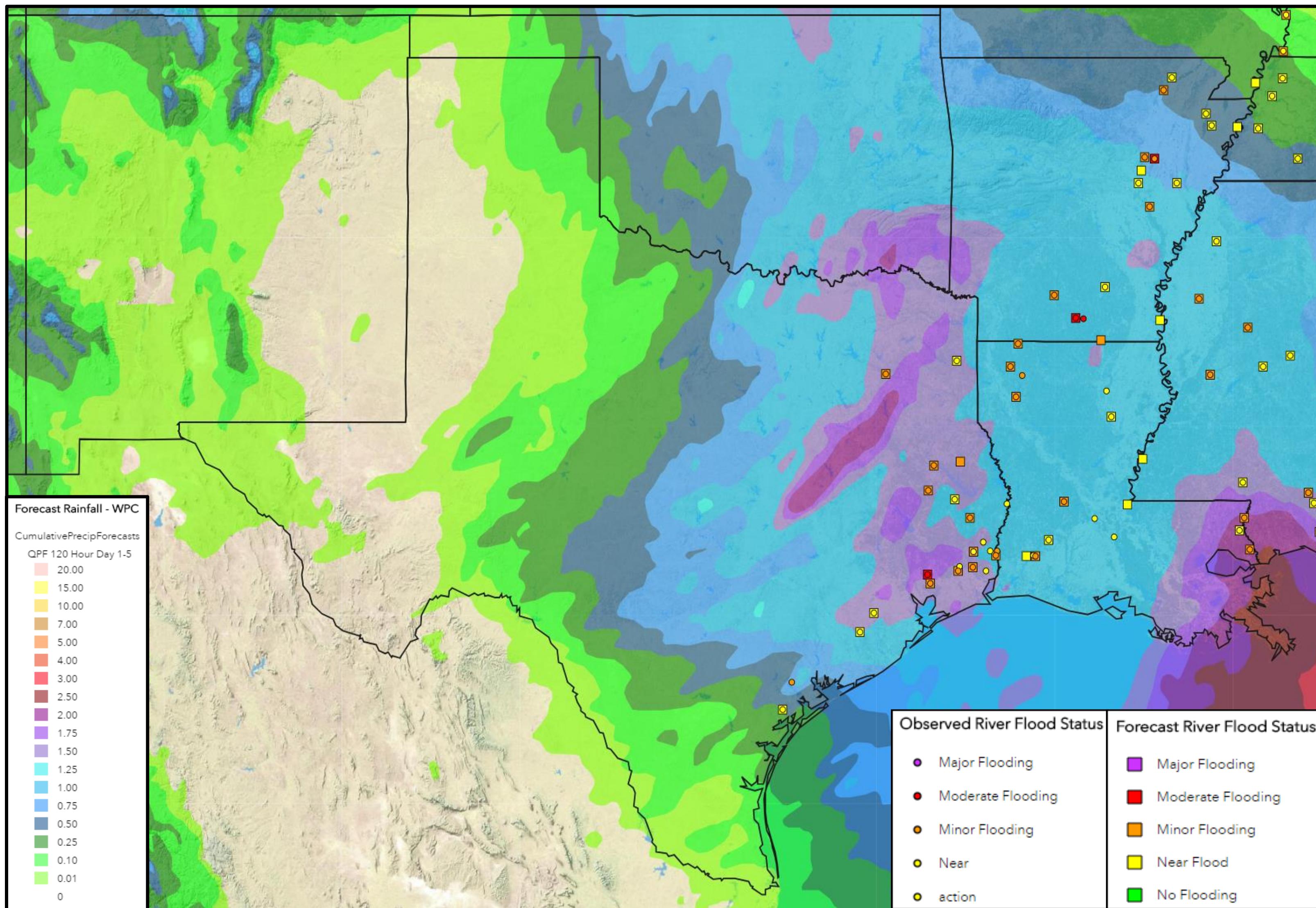
	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*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 E/SE TX, AR, LA. Impacts to agricultural and recreational areas.**

**Trinity River at Liberty (SE TX) is in moderate flood stage, but forecast to rapidly drop into minor by tonight and below flood stage by tomorrow morning.**

**Cache River at Patterson and Ouachita River at Thatcher L&P in AR are in moderate flood stage but forecast to drop into minor by tomorrow morning.**

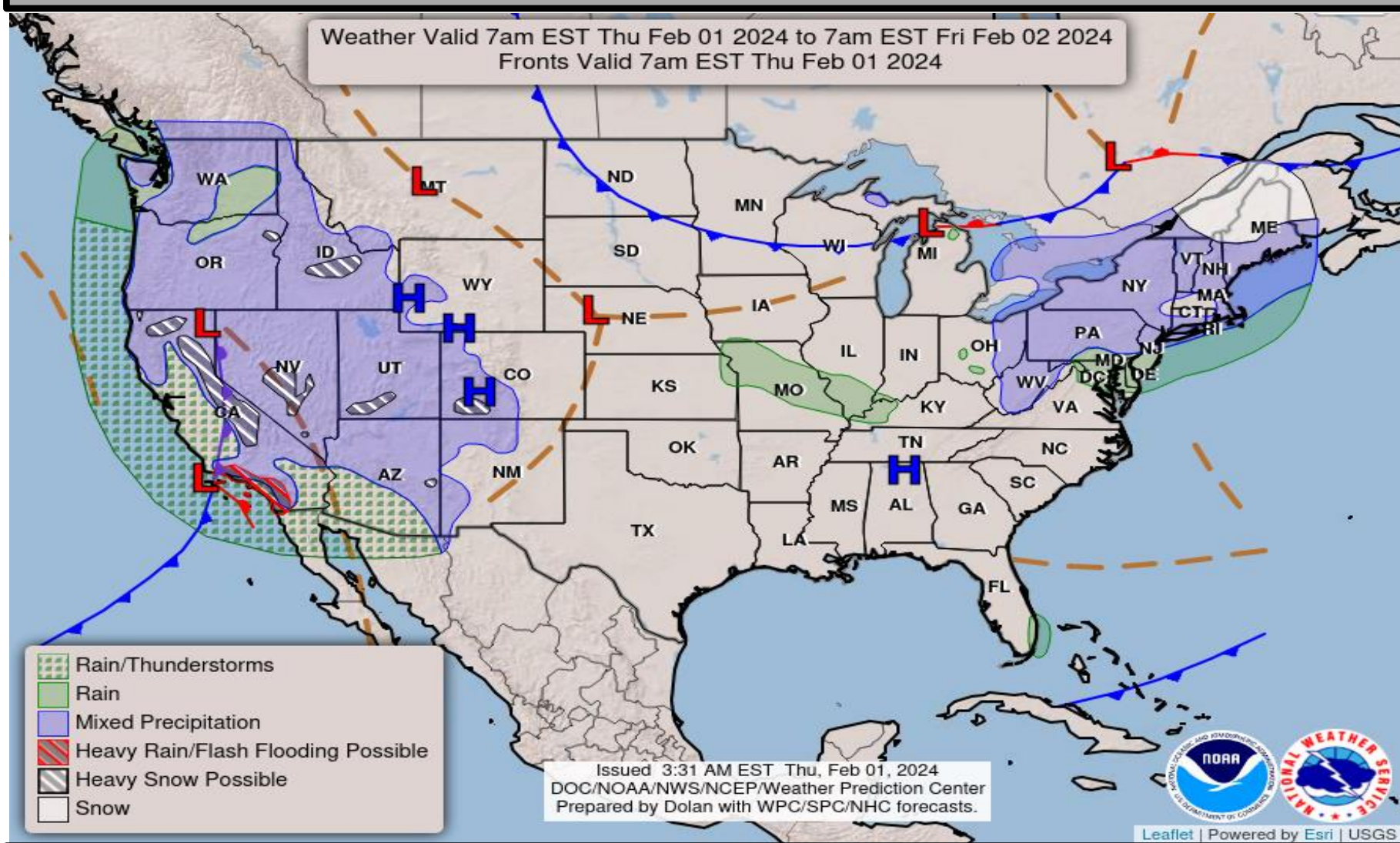
**Forecast rainfall Friday/Saturday may prolong ongoing minor river flooding and/or lead to new minor river flooding in E/SE TX, AR, LA. Small chance of new isolated moderate river flooding.**

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

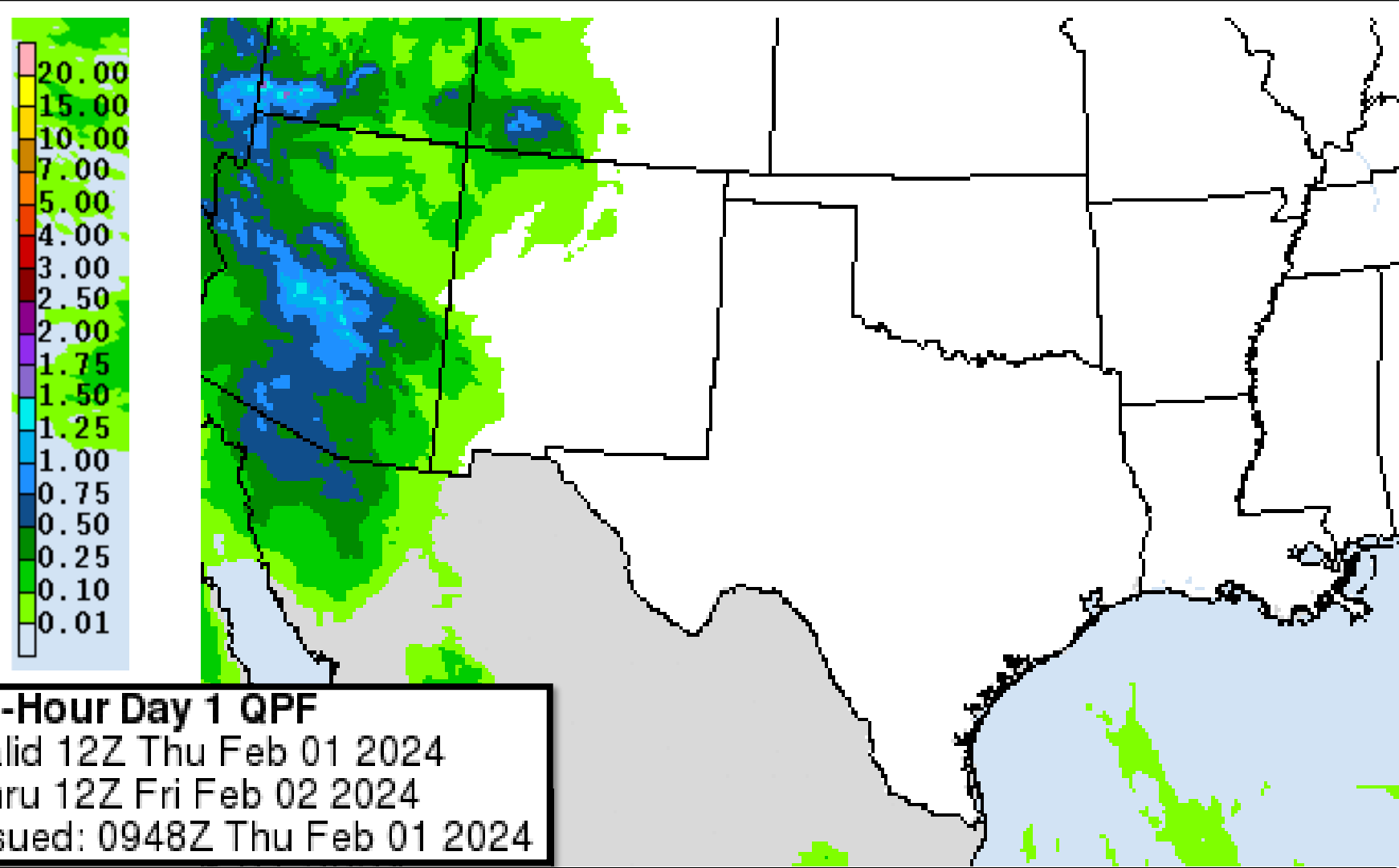


# Today's Weather

## Forecast Chart

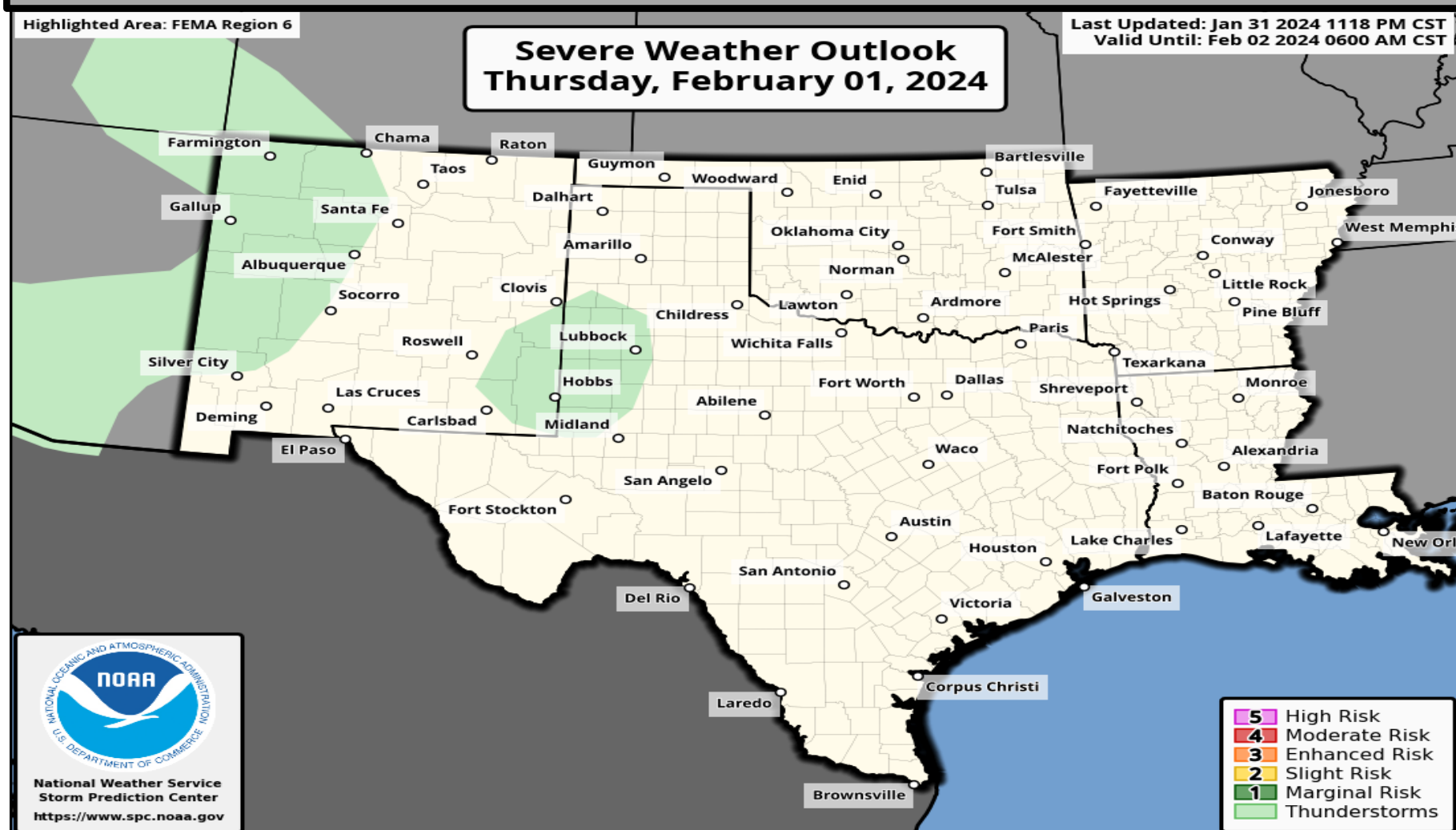


## Forecast Rainfall

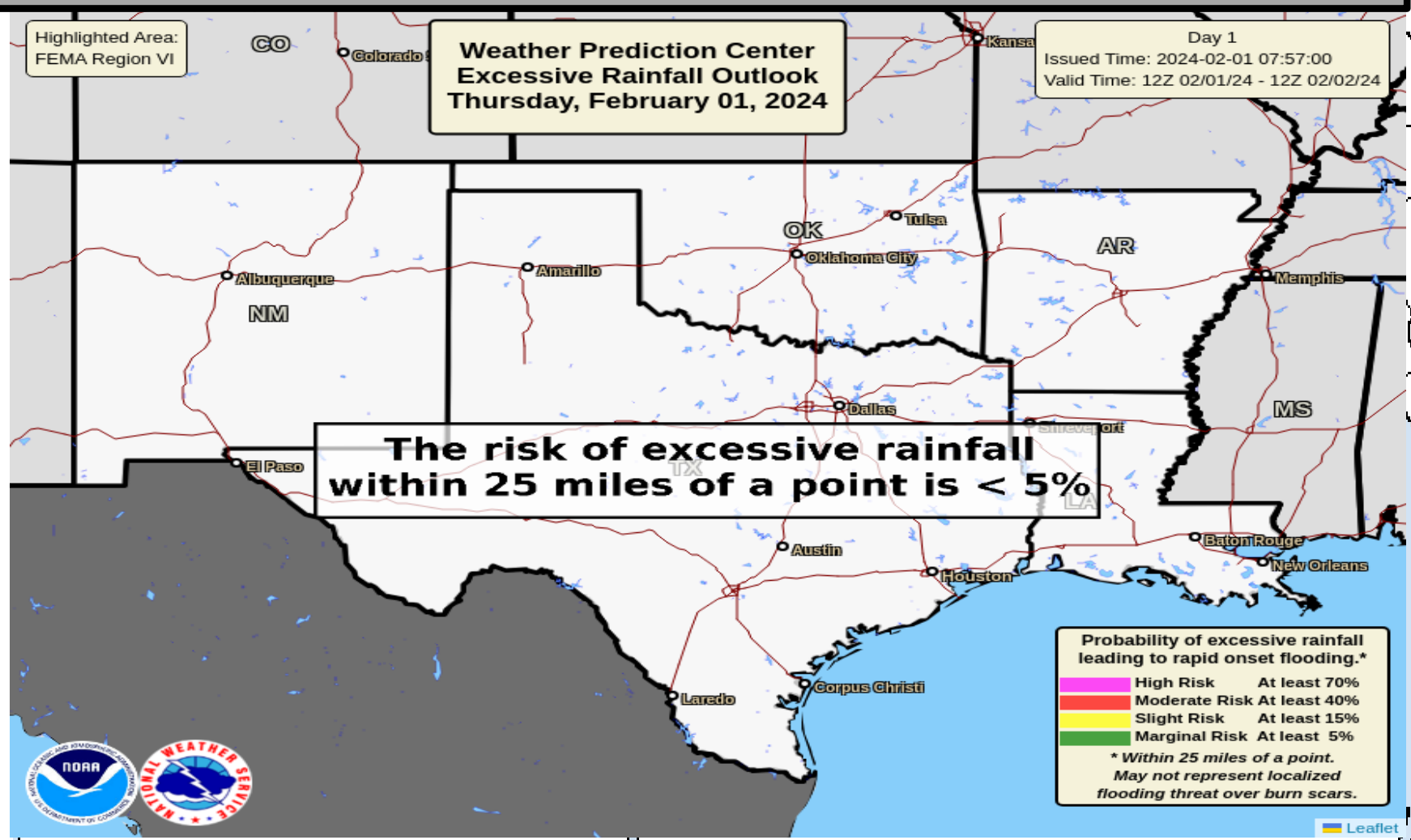


No significant weather expected.

## Severe Weather Outlook

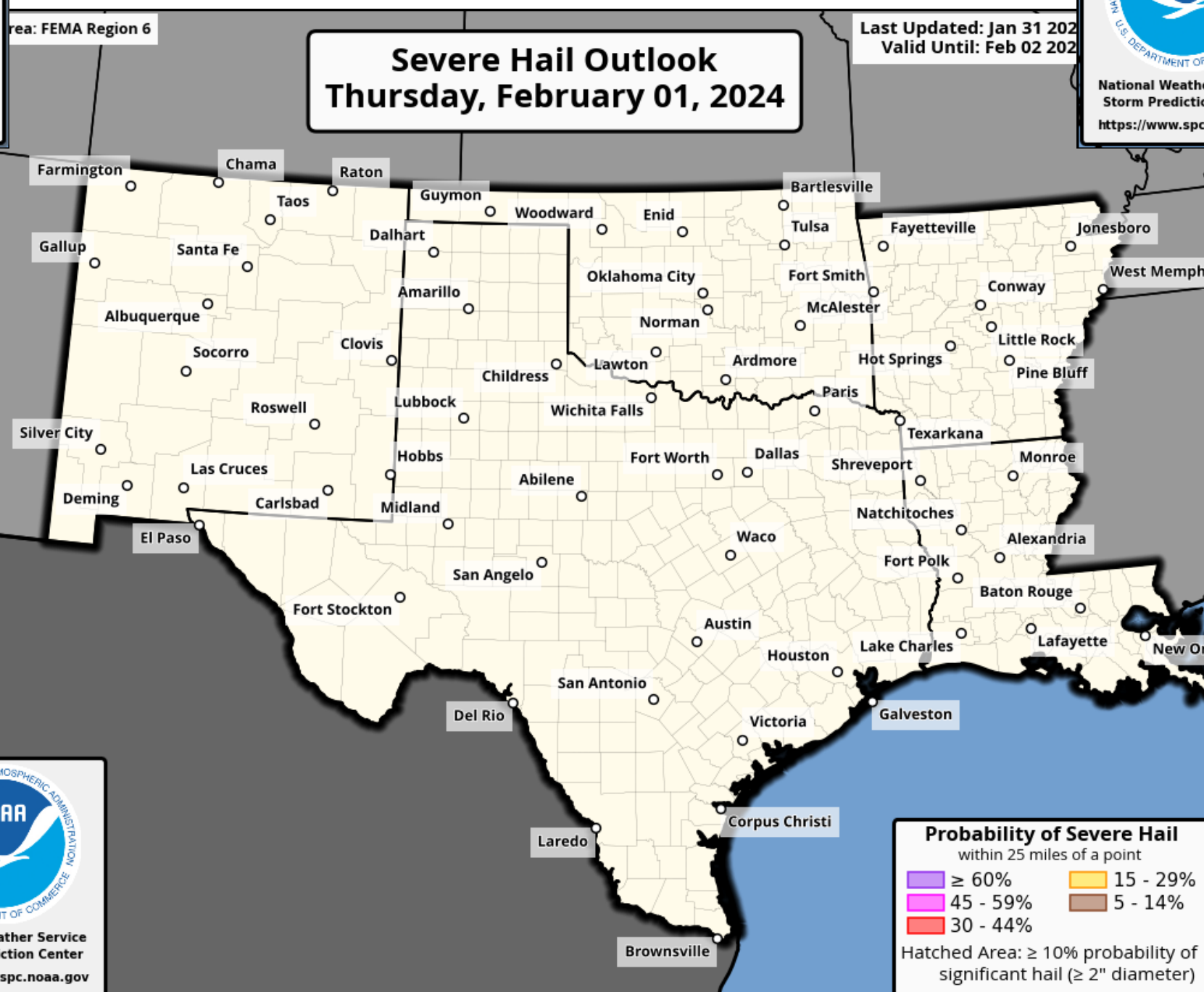
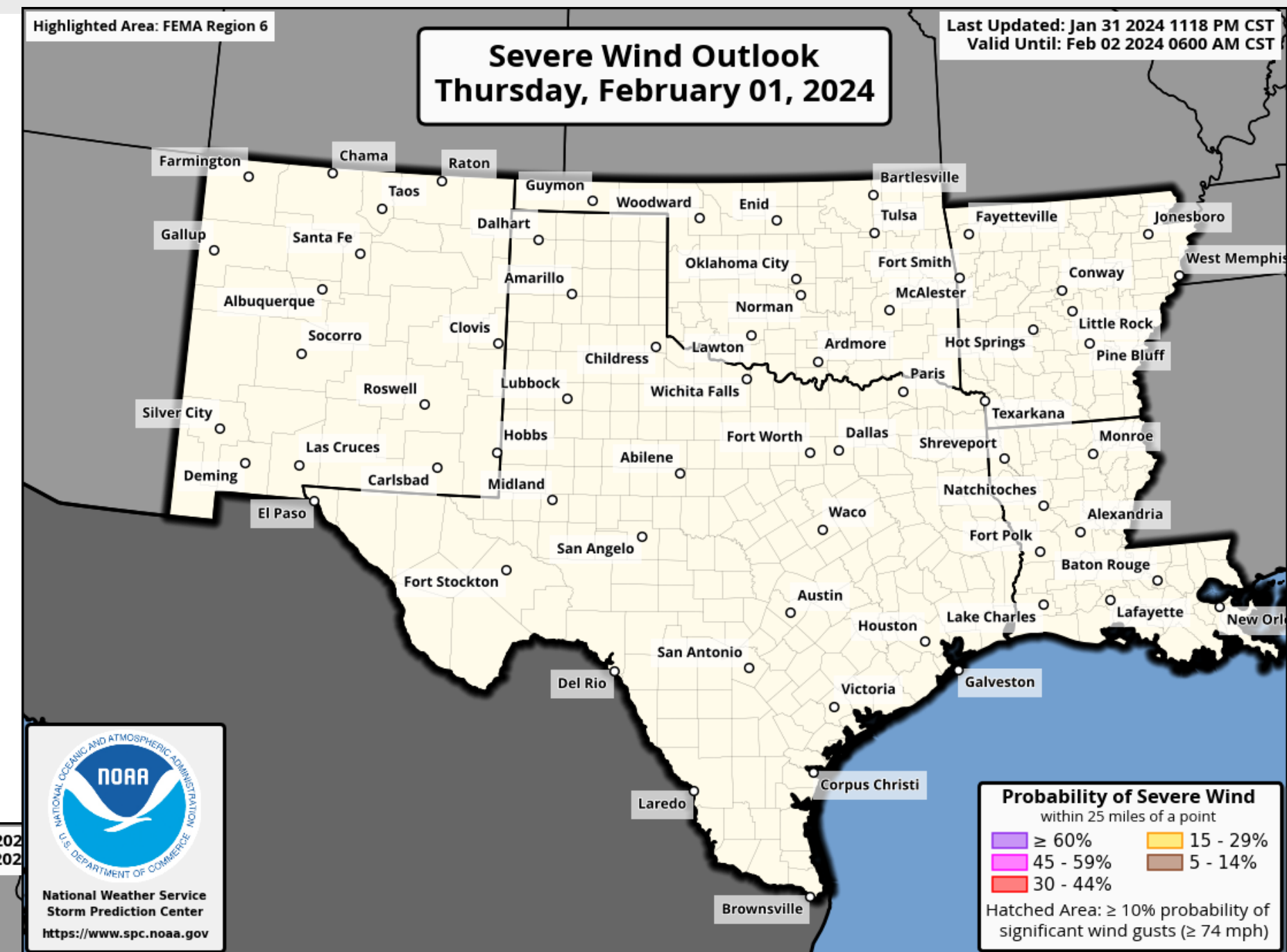
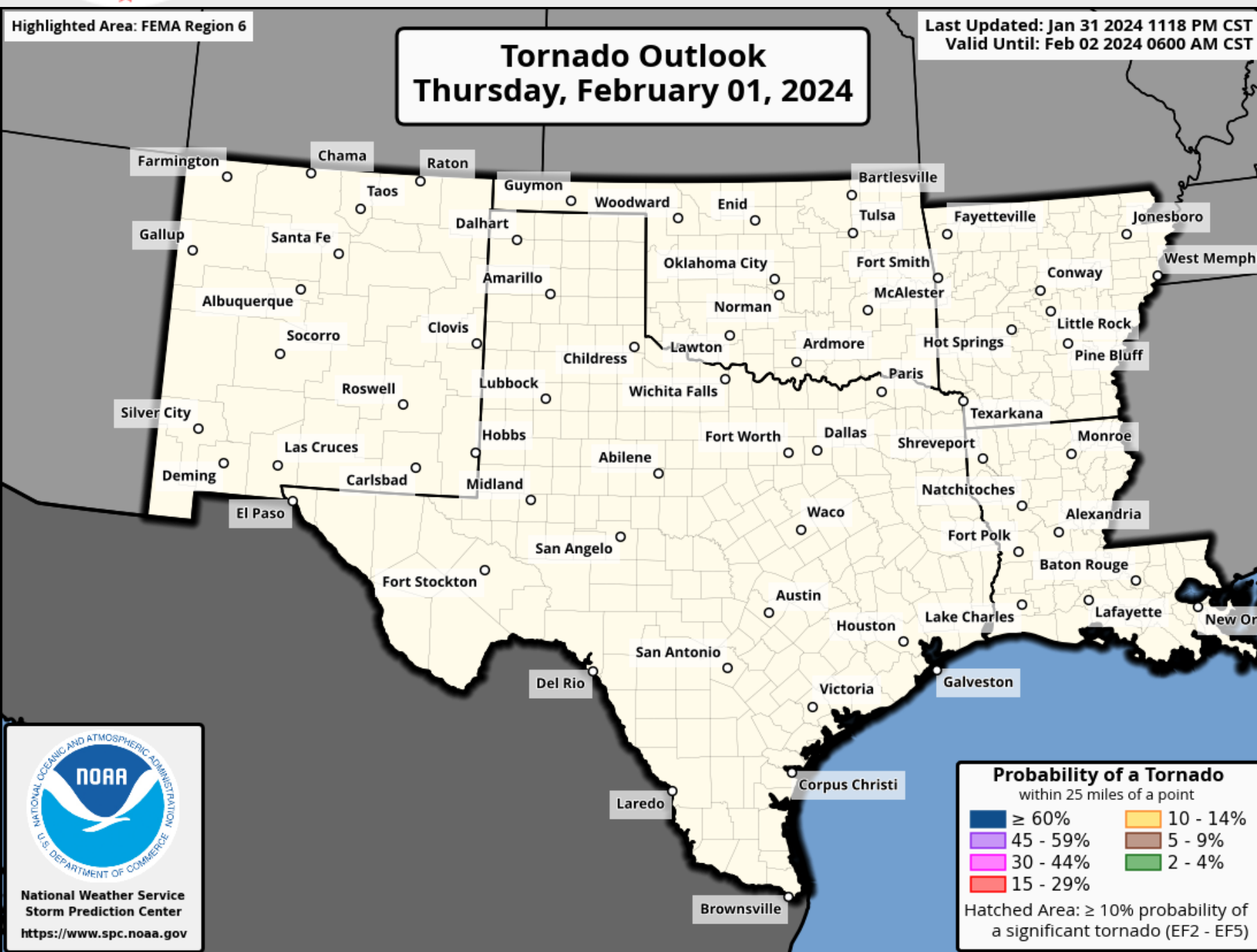


## Excessive Rainfall Outlook





# Today's Tornado & Severe Wind / Hail Probabilities



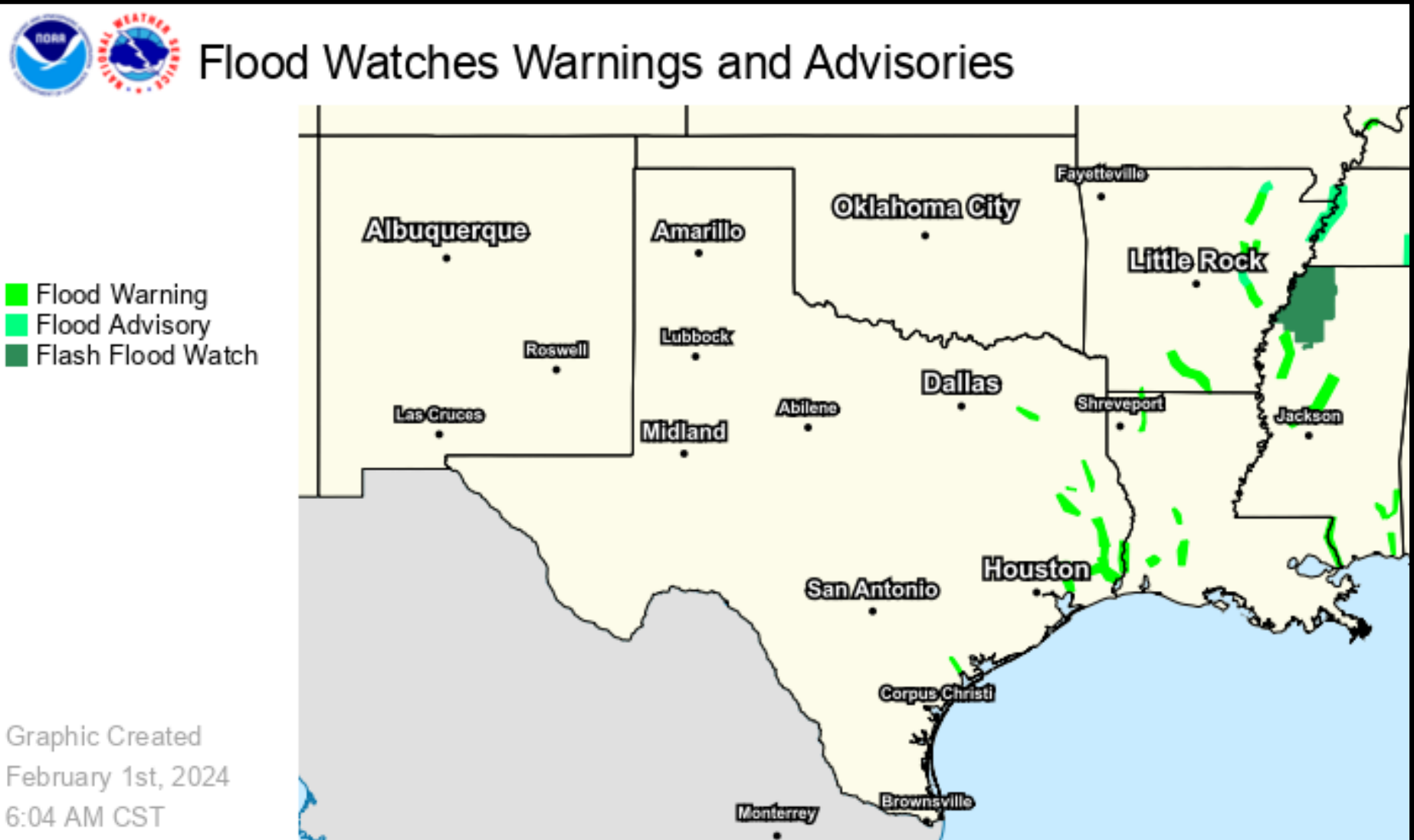
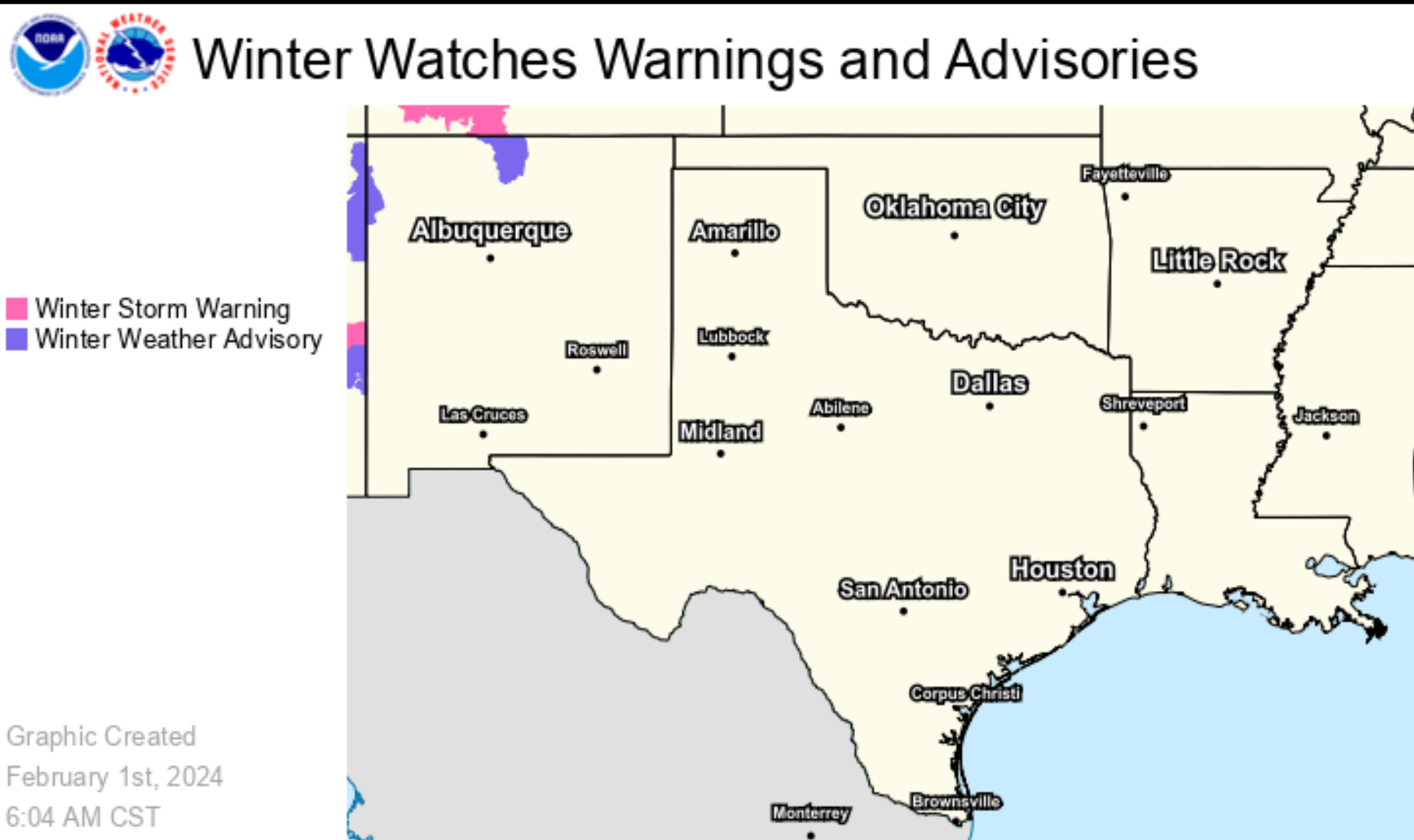
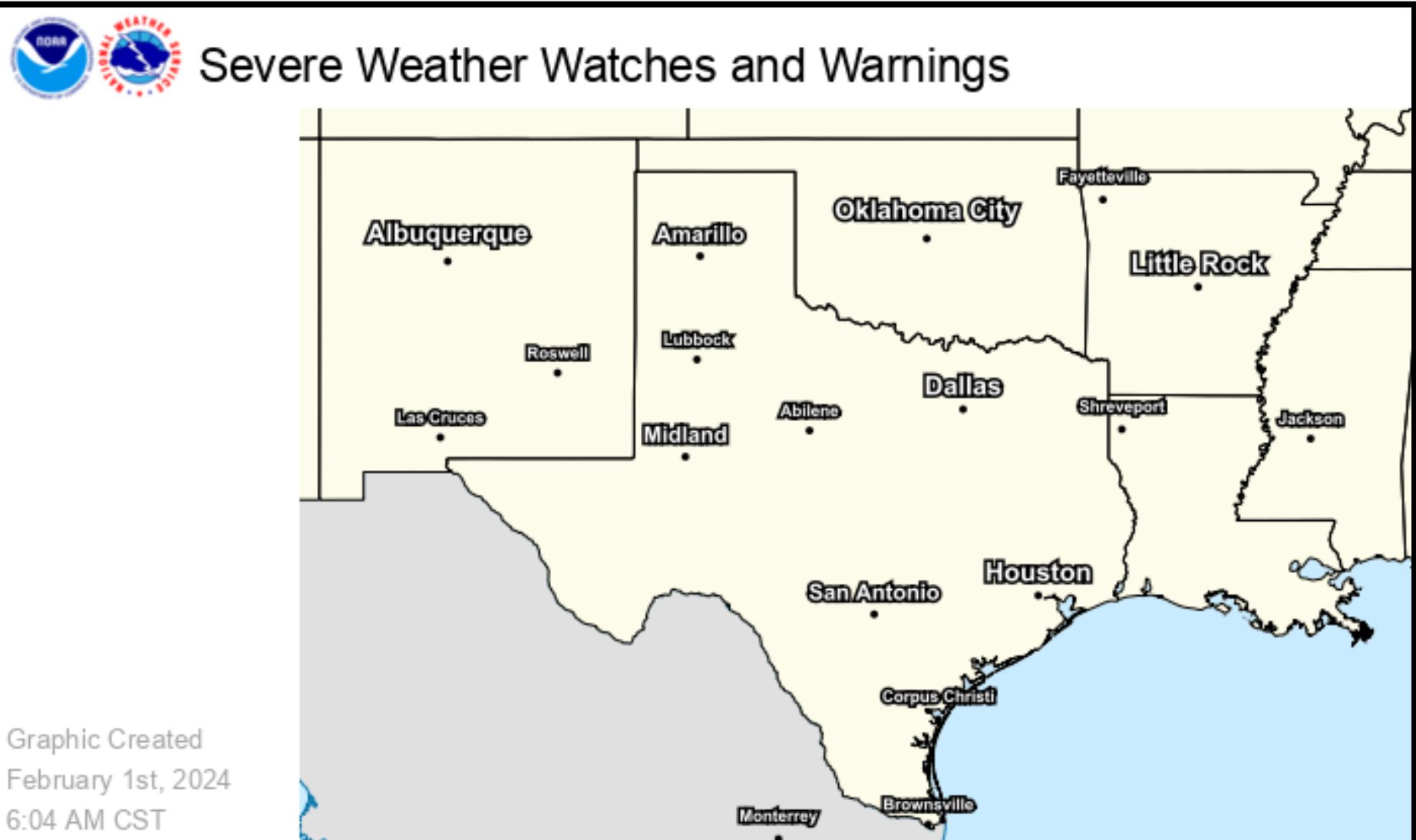


# Watches, Warnings, and Advisories

Wind, Severe, Winter, and Flood Hazards

**Winter Weather Advisory for the north-central mountains of NM from Thursday evening through Saturday afternoon.**

**High Wind Watch in SE NM, WTX from Friday evening through Sunday morning.**





# Winter Weather

Thursday - Saturday

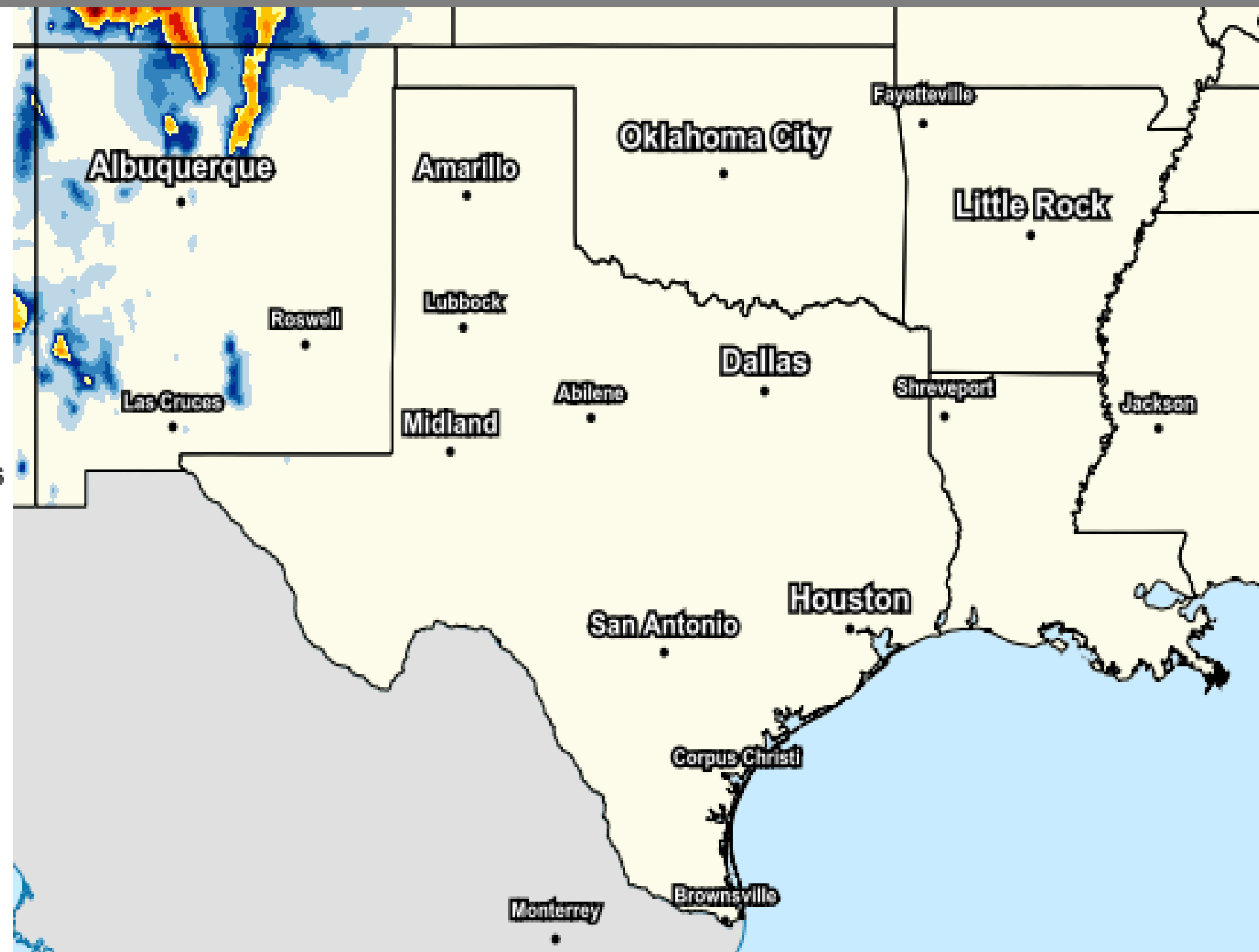
## Forecast Snow Amounts



### Forecast Snowfall

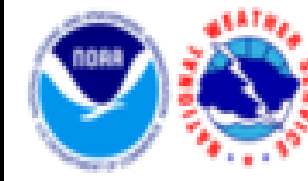
Valid Ending Sunday February 4th, 2024 at 6 AM CST

- 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 1st, 2024  
5:21 AM CST

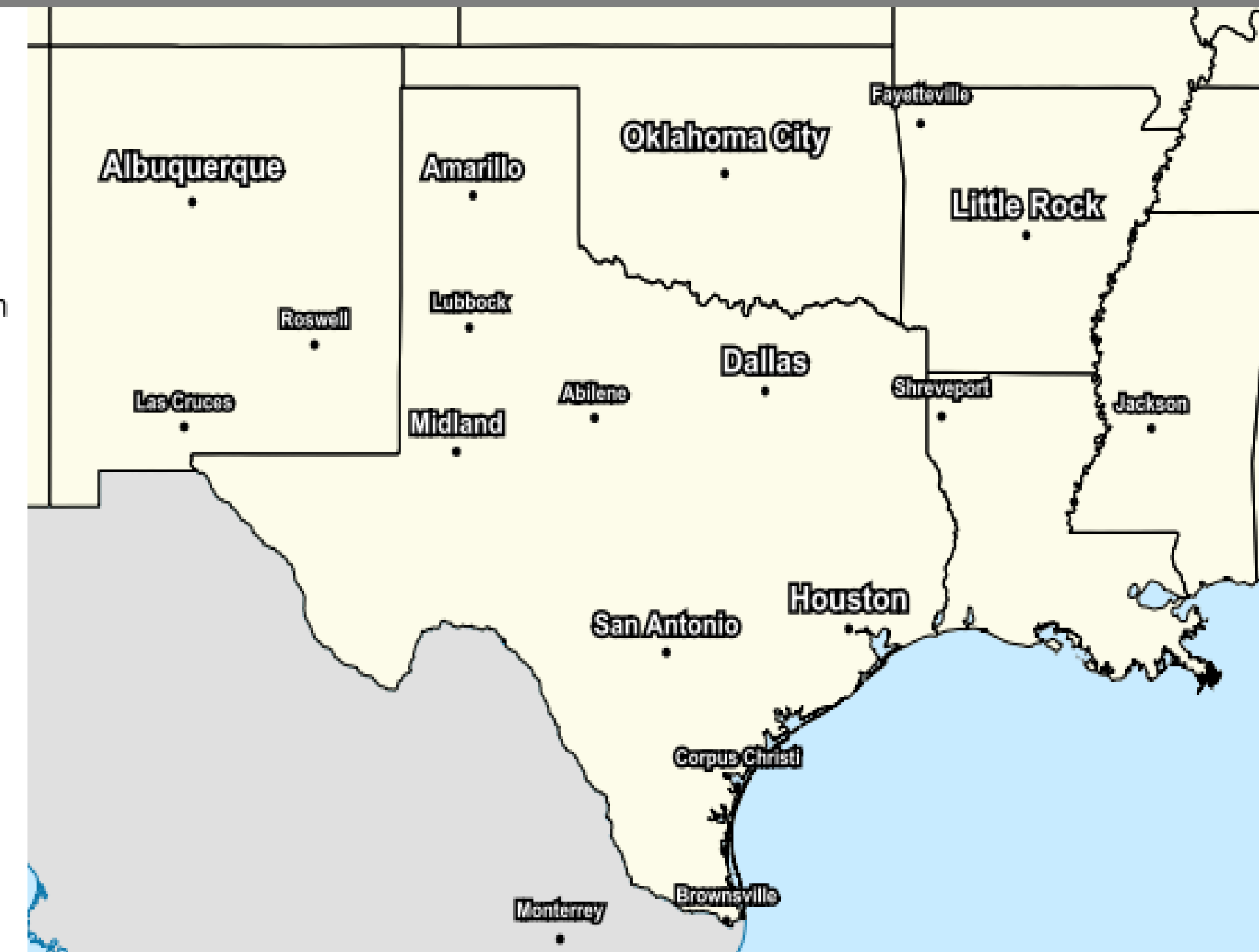
## Forecast Ice Amounts



### Ice Accumulation Forecast

Valid Ending Sunday February 4th, 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



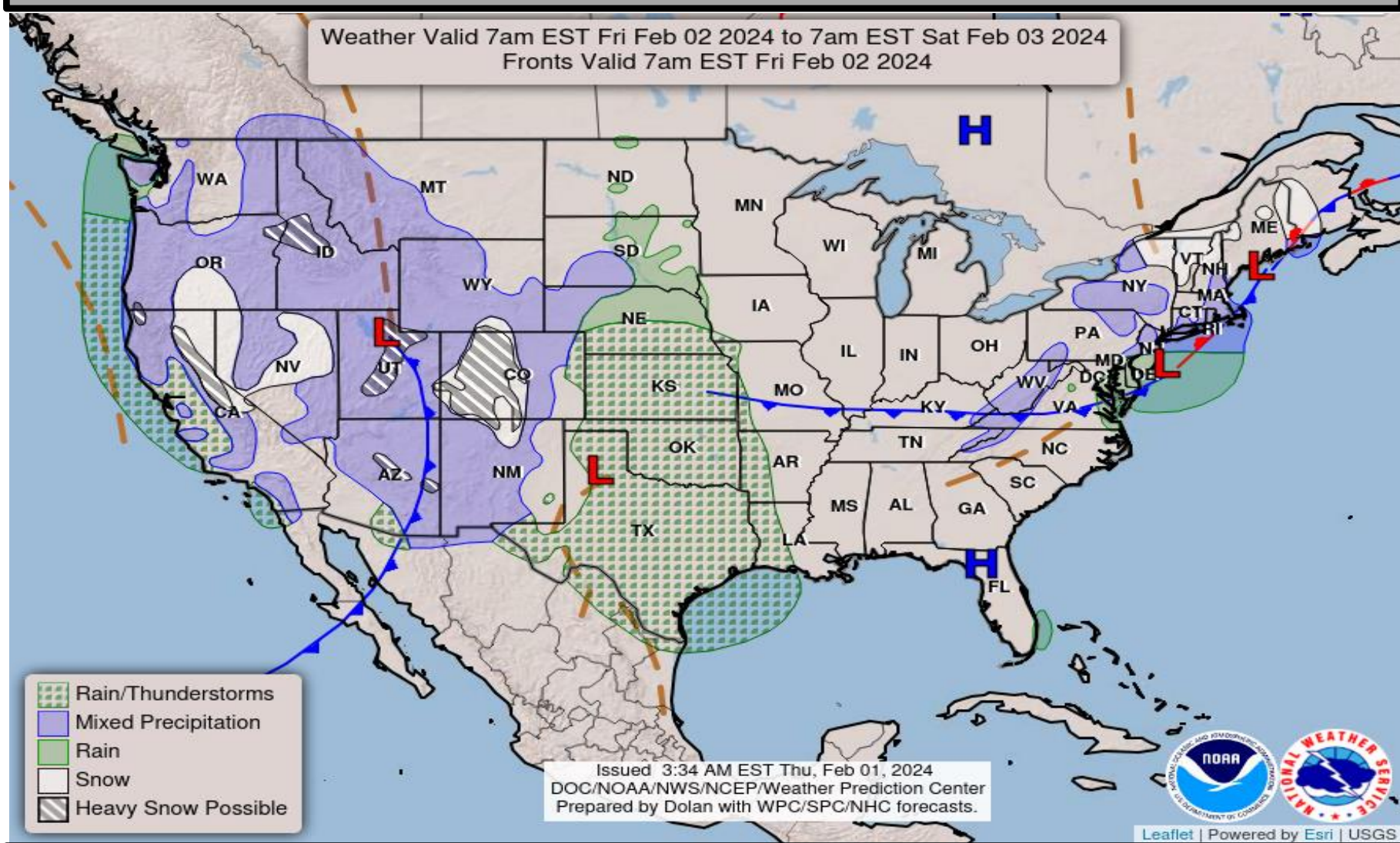
Graphic Created  
February 1st, 2024  
5:21 AM CST



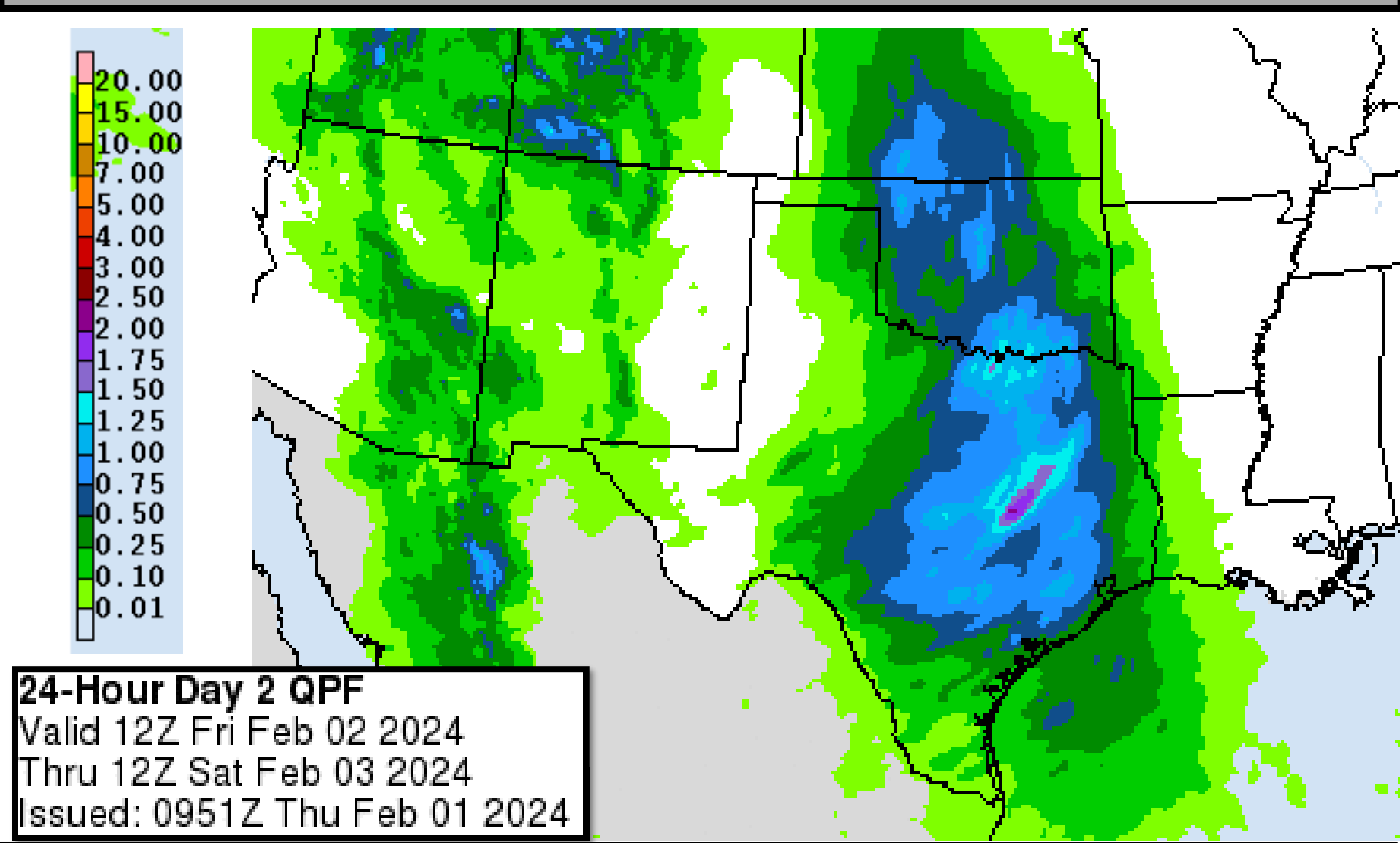


# Tomorrow's Weather

## Forecast Chart



## Forecast Rainfall



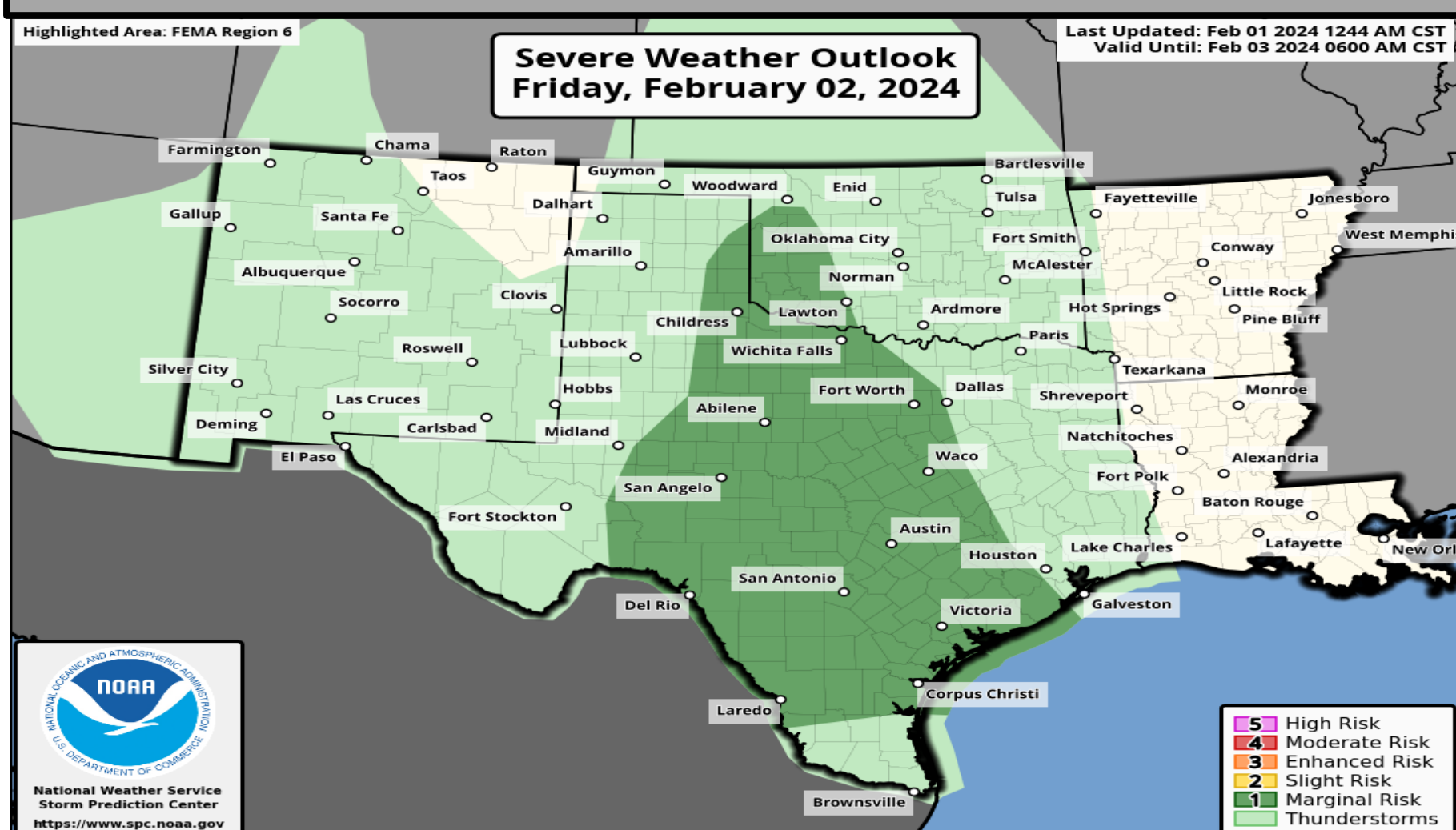
**Gusty winds for NM into WTX may result in difficult travel, damage to trees, downed power lines (power outages), blowing dust (reduced visibility).**

**Snow and gusty winds in the mountains of NM may result in difficult travel.**

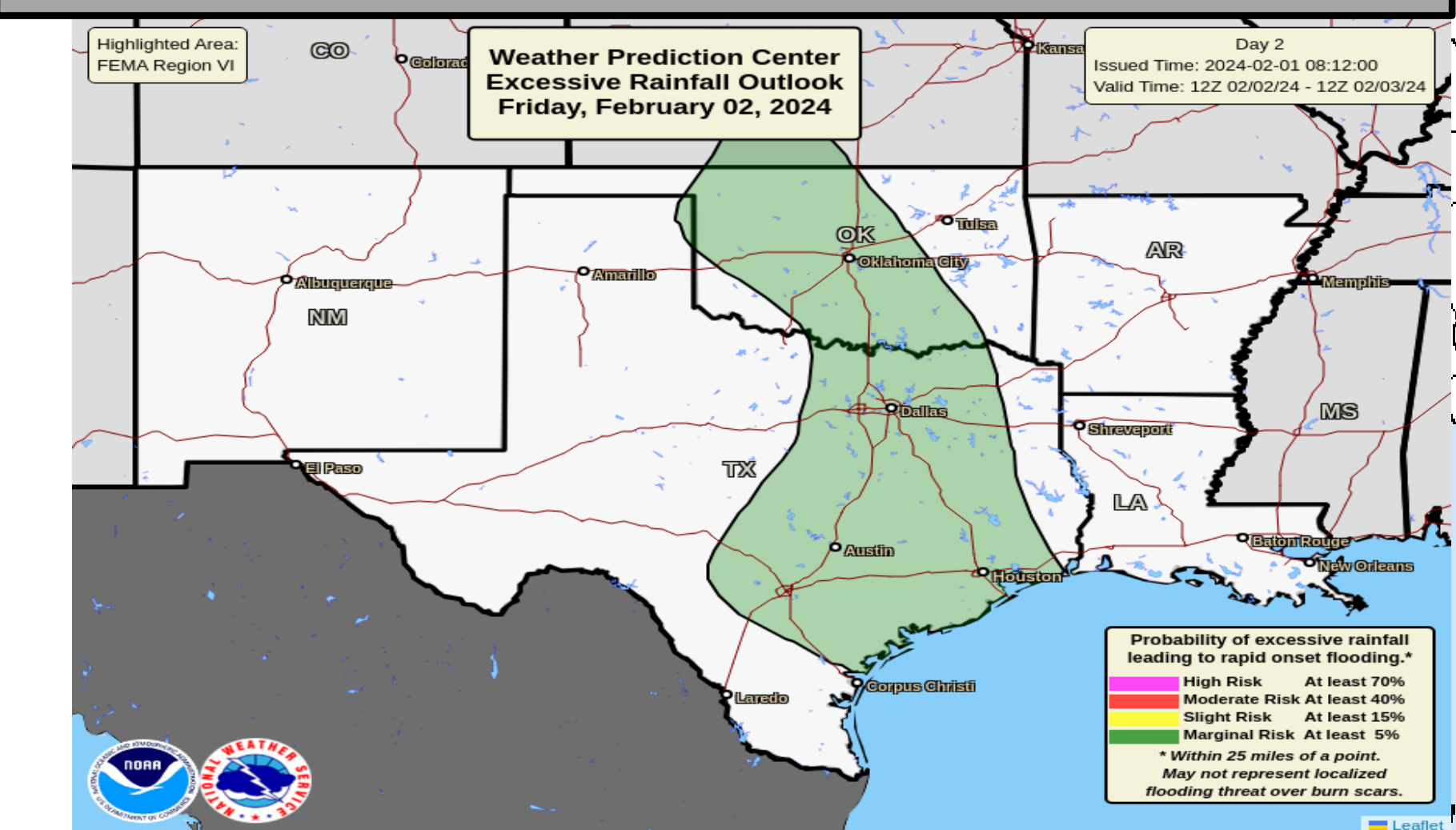
**Heavy rainfall may cause isolated areas of flash flooding for N/Ctr/S/SE TX, OK.**

**Marginal risk of isolated strong to severe storms for N/Ctr/S TX, W OK.**

## Severe Weather Outlook

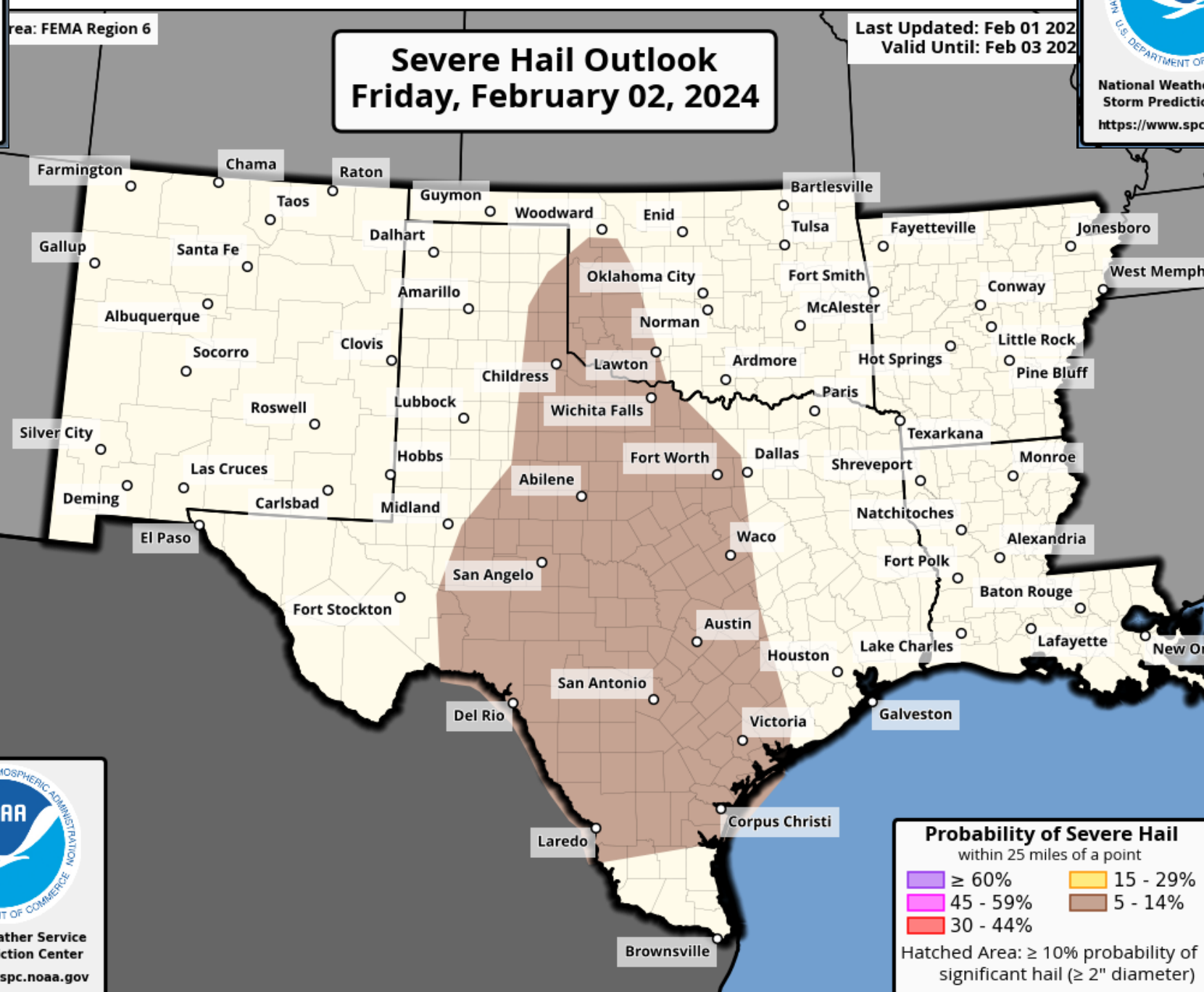
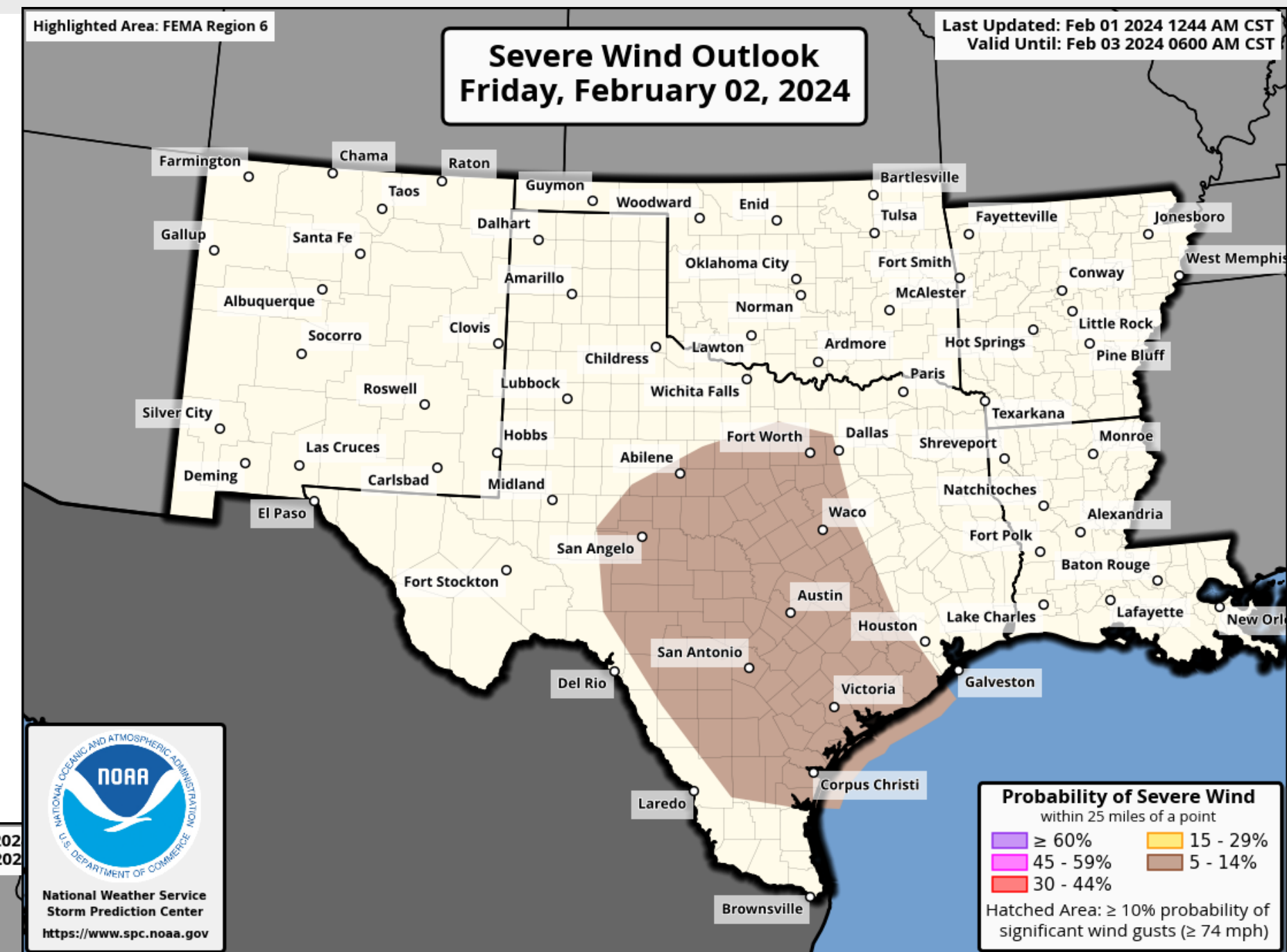
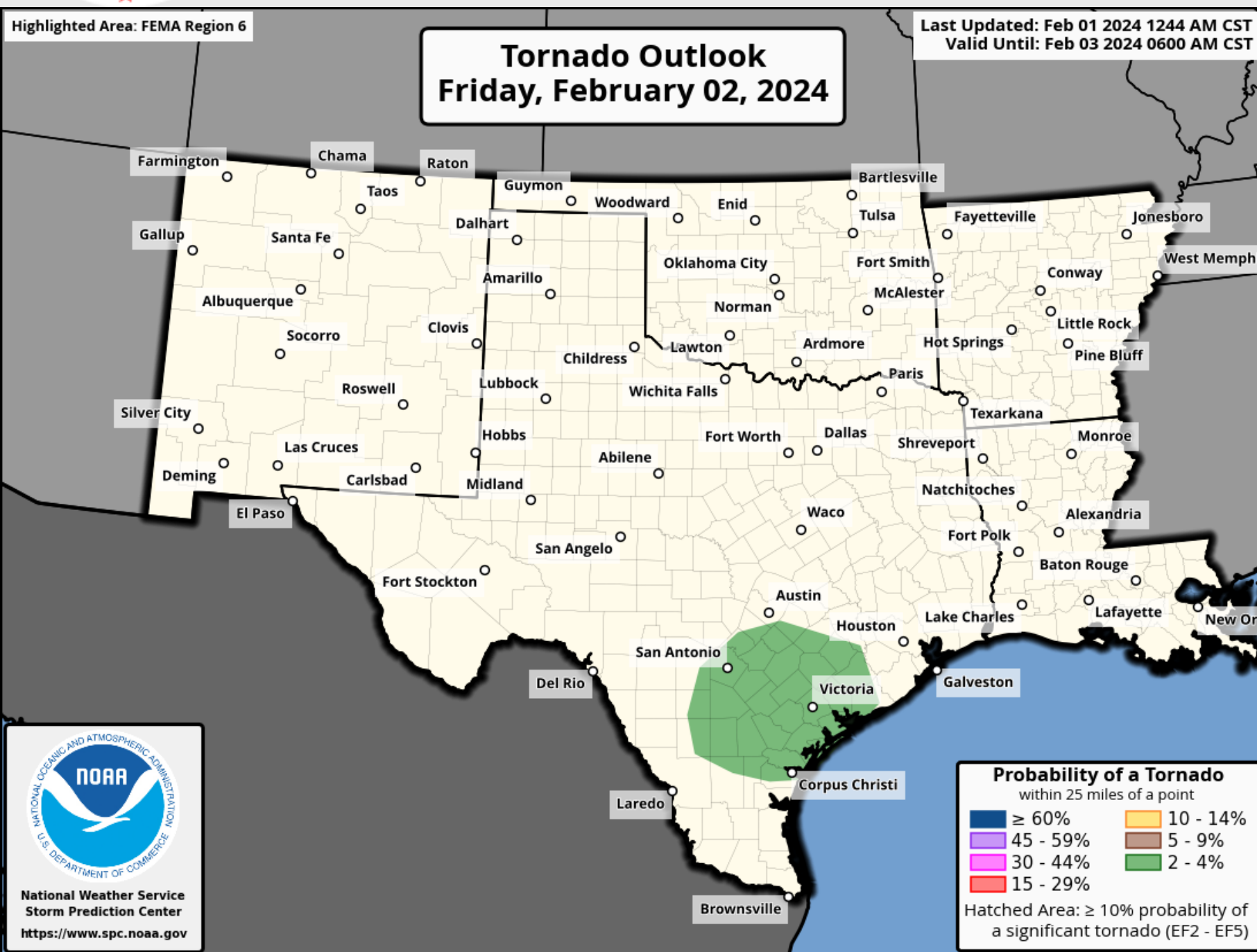


## Excessive Rainfall Outlook





# Tomorrow's Tornado & Severe Wind / Hail Probabilities



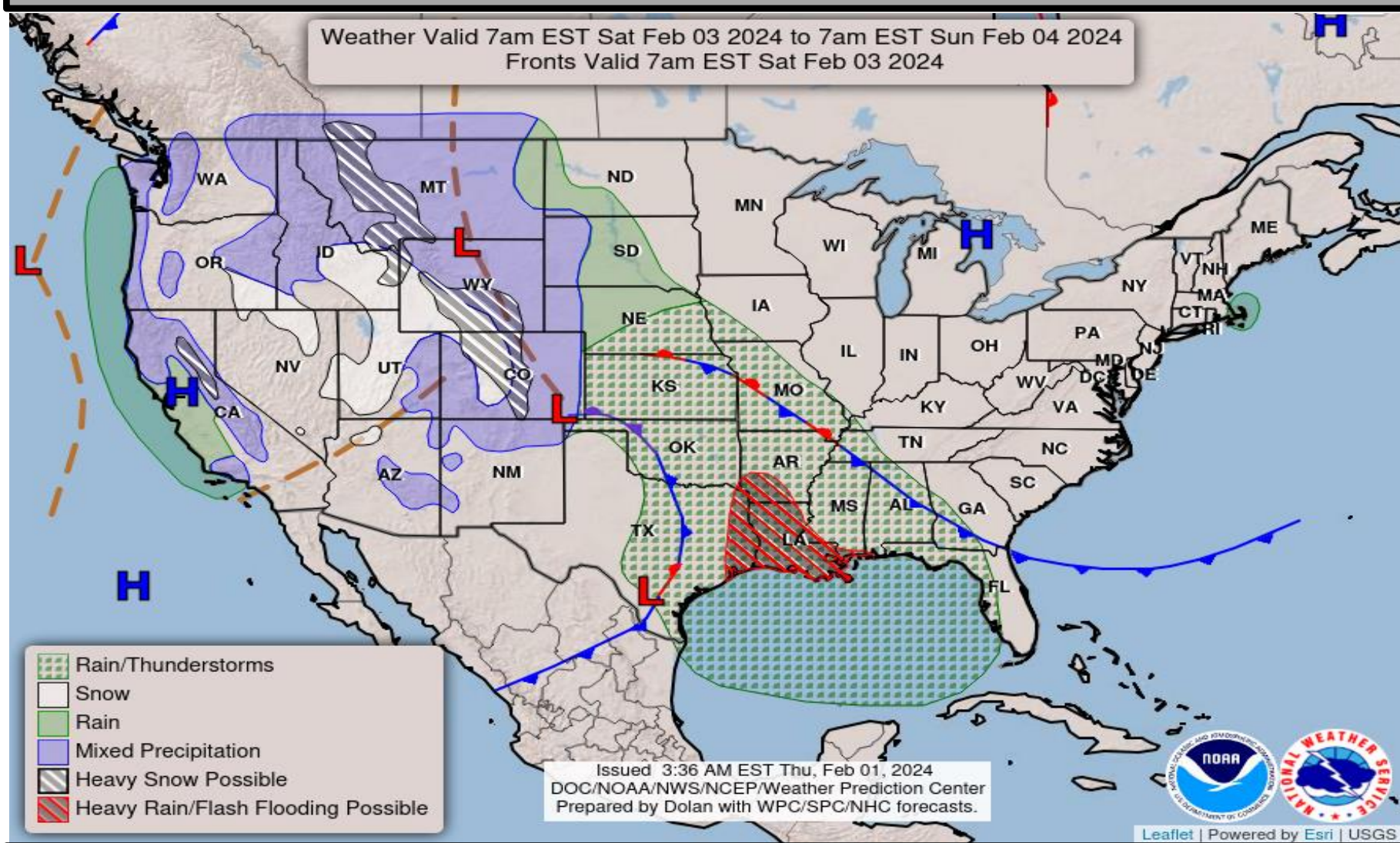
Last Updated: 2/1/2024 6:44 AM CT

Weather Service – Southern Region ROC

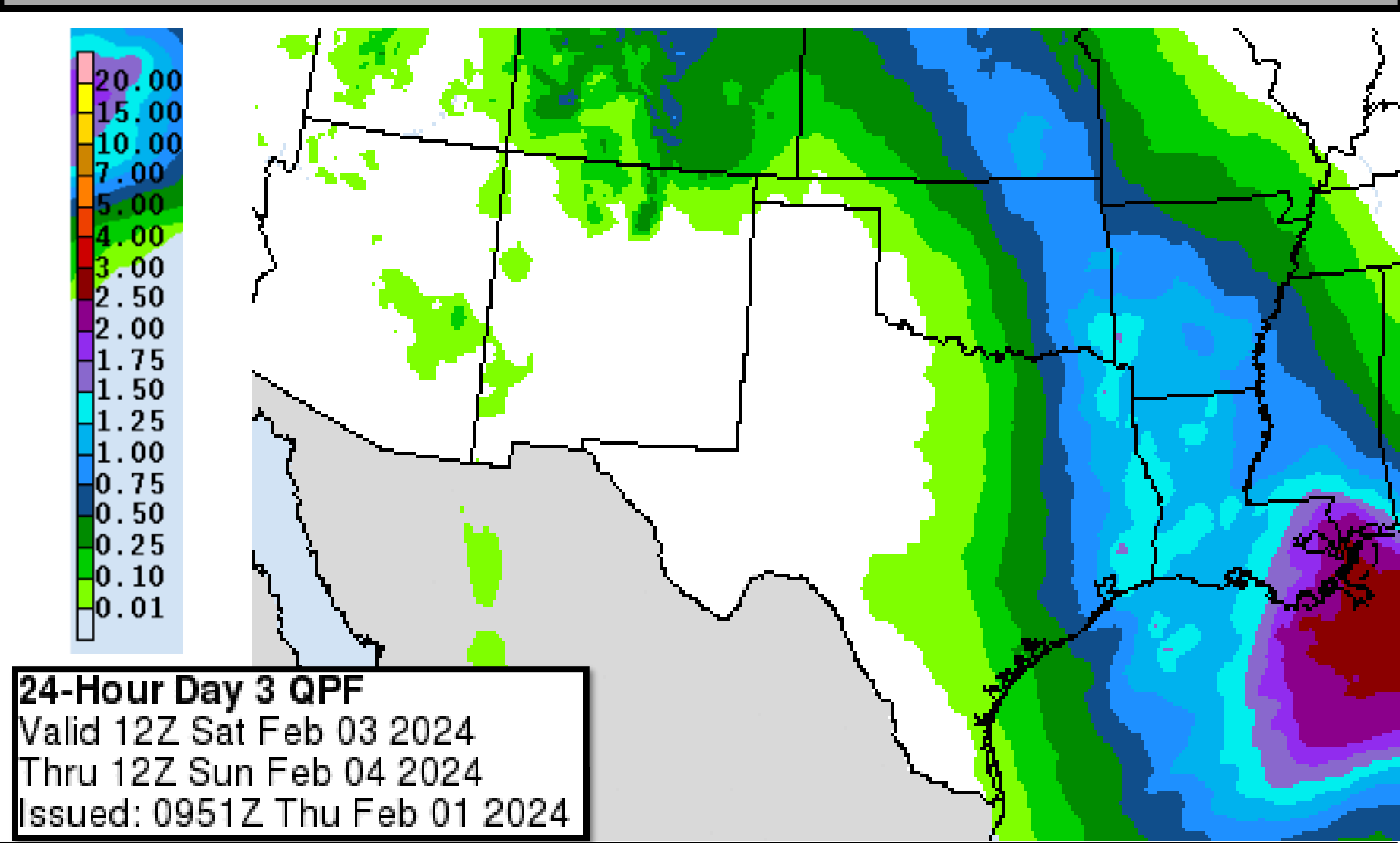


# Saturday's Weather

## Forecast Chart



## Forecast Rainfall



**Slight risk of excessive rainfall/flash flooding across E/SE TX, SE OK, S AR, LA.**

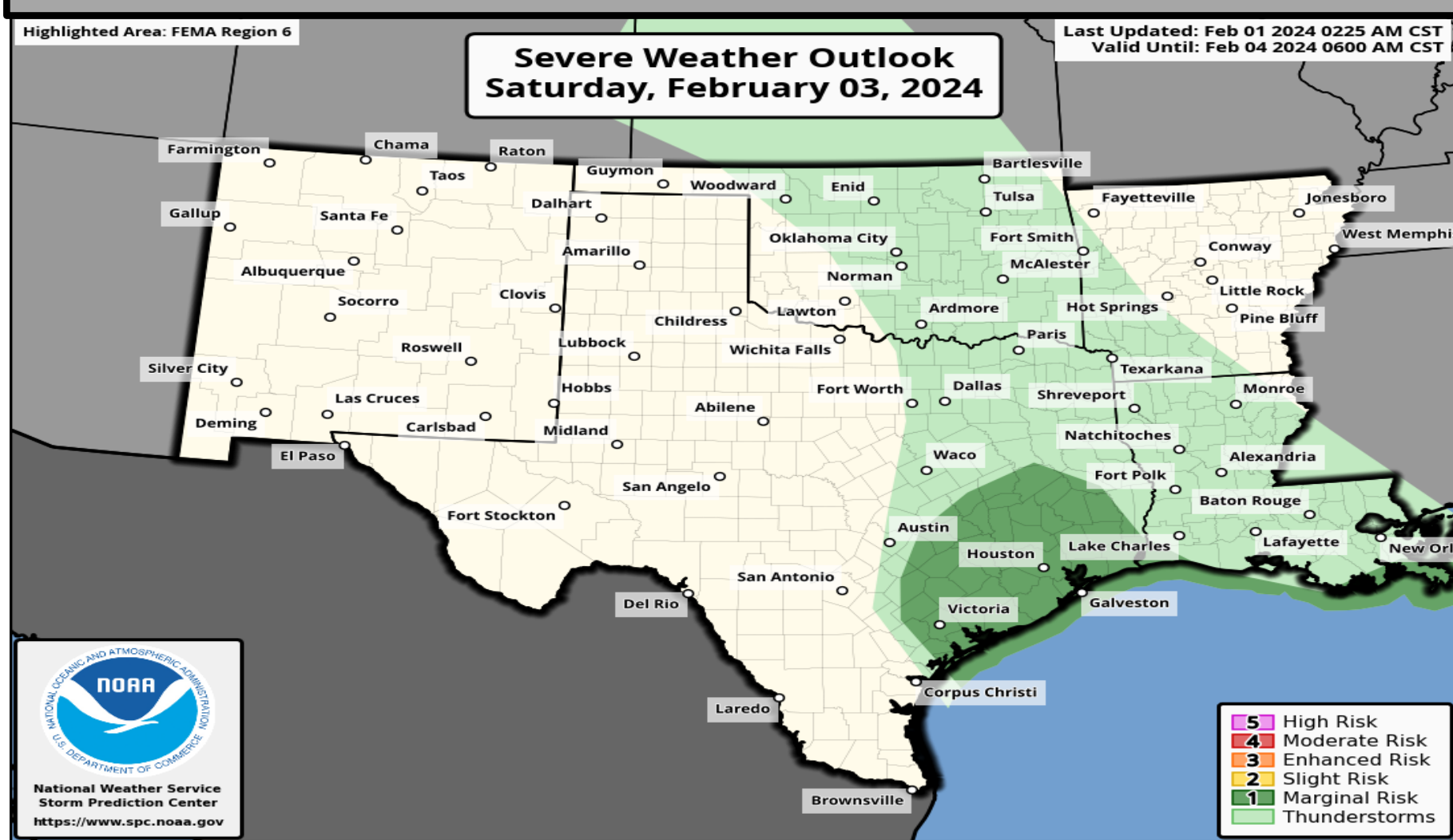
**Heavy rainfall may cause isolated areas of flash flooding over E OK, AR.**

**Gusty winds for NM into WTX may result in difficult travel, damage to trees, downed power lines (power outages), blowing dust (reduced visibility). Also near critical fire weather conditions for SE NM, WTX.**

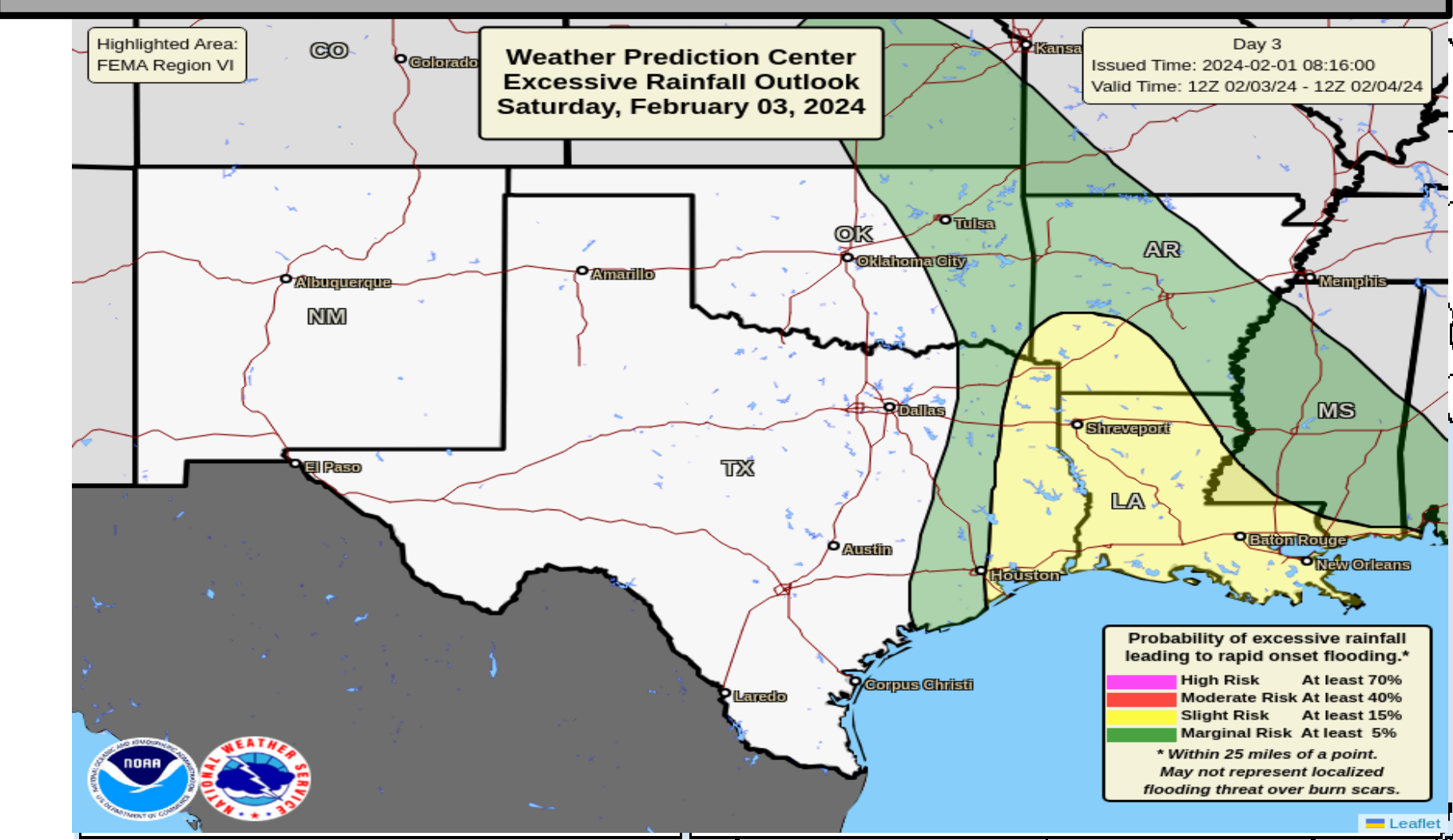
**Snow and gusty winds in the mountains of NM may result in difficult travel.**

**Marginal risk of isolated strong to severe storms for SE TX, LA coast.**

## Severe Weather Outlook



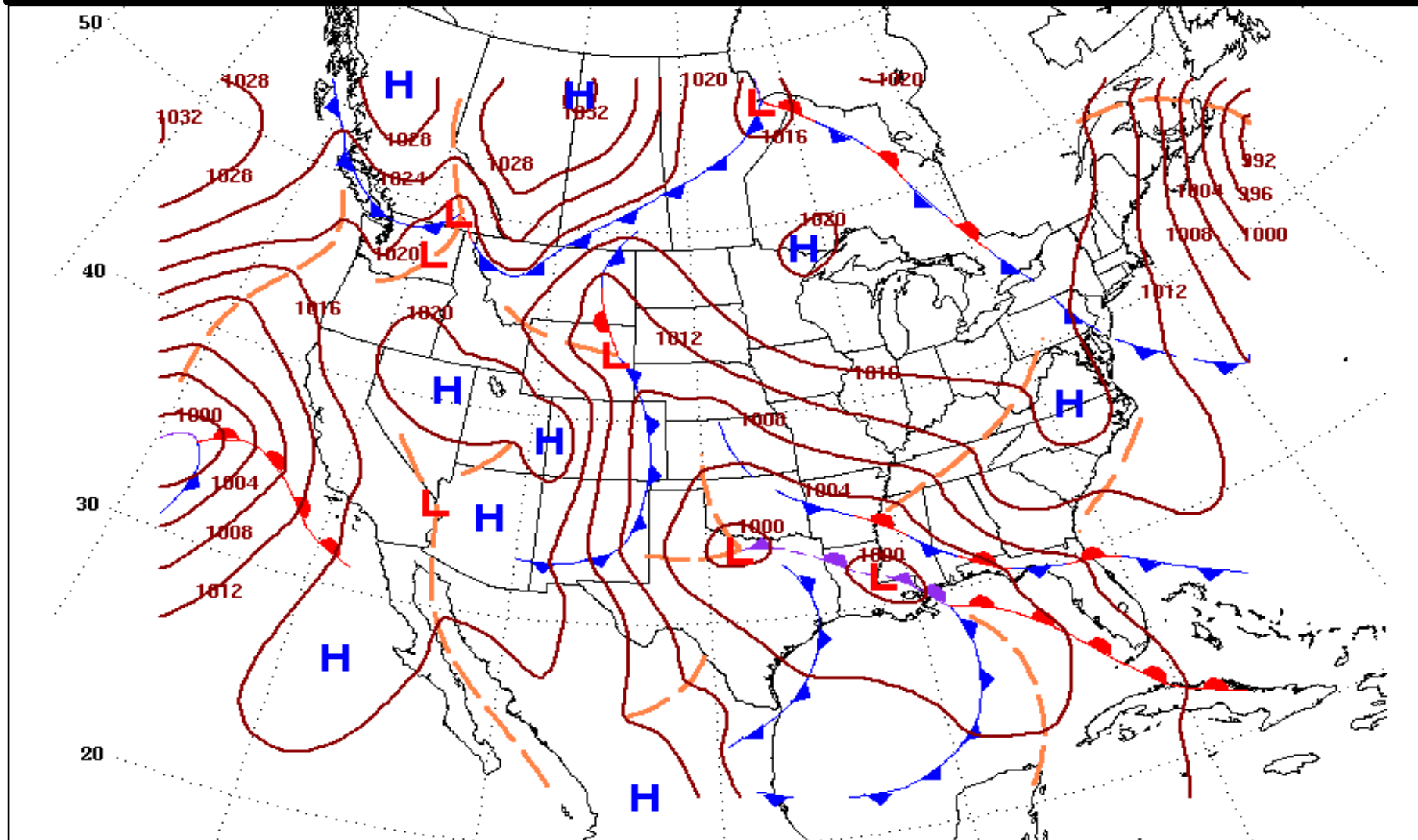
## Excessive Rainfall Outlook



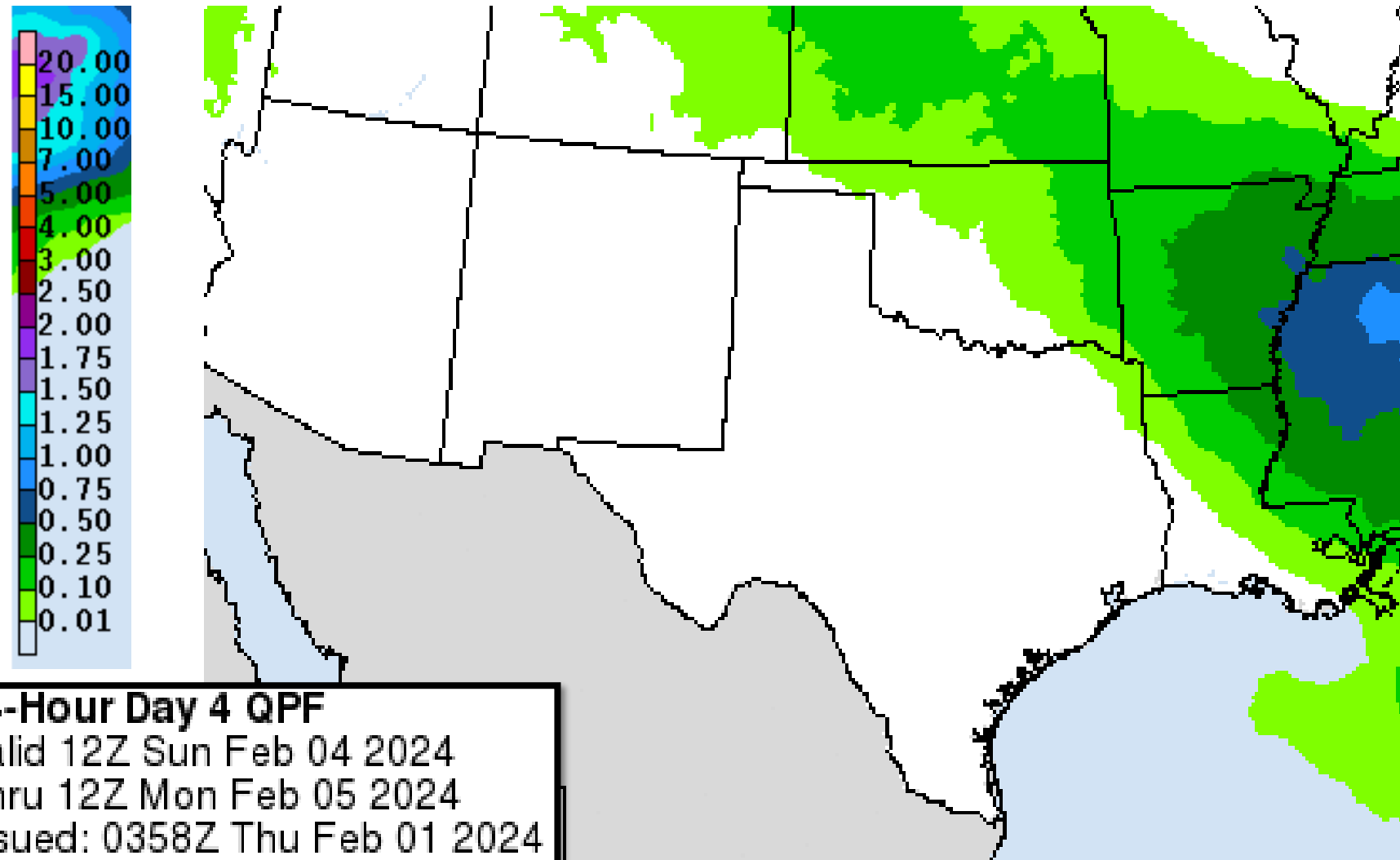


# Sunday's Weather

## Forecast Chart



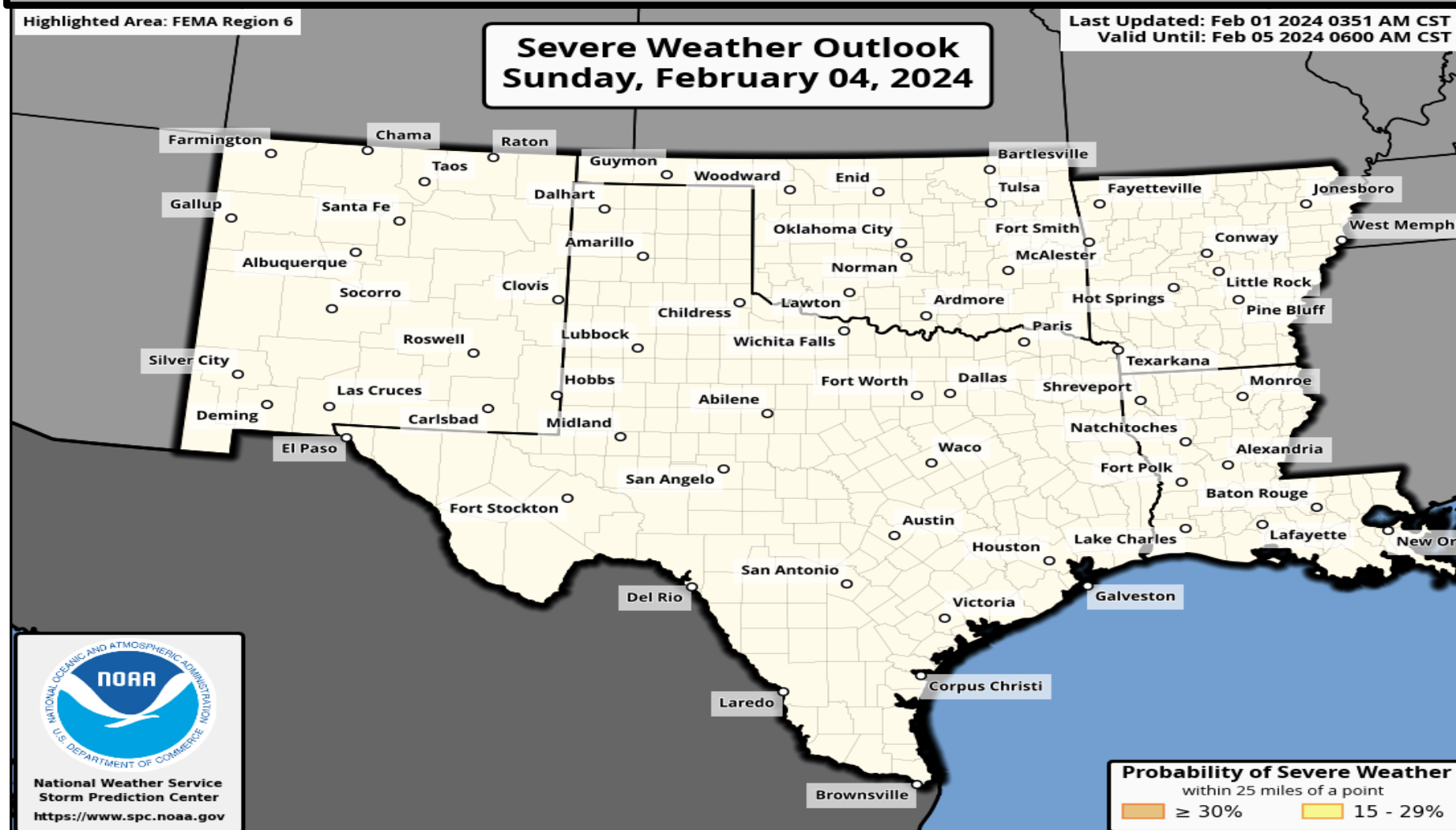
## Forecast Rainfall



No significant weather expected.

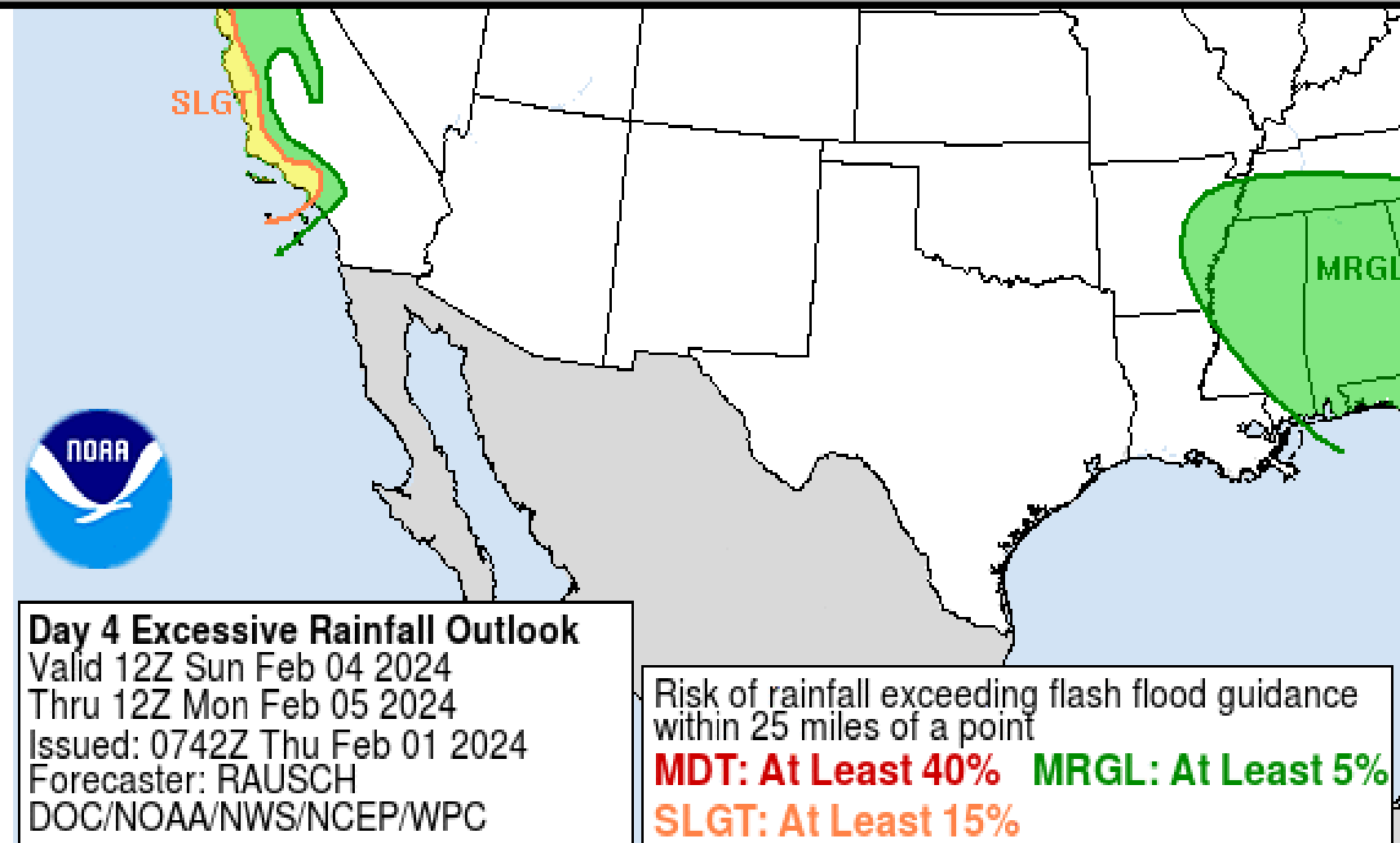
24-Hour Day 4 QPF  
Valid 12Z Sun Feb 04 2024  
Thru 12Z Mon Feb 05 2024  
Issued: 0358Z Thu Feb 01 2024

## Severe Weather Outlook



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

## Excessive Rainfall Outlook



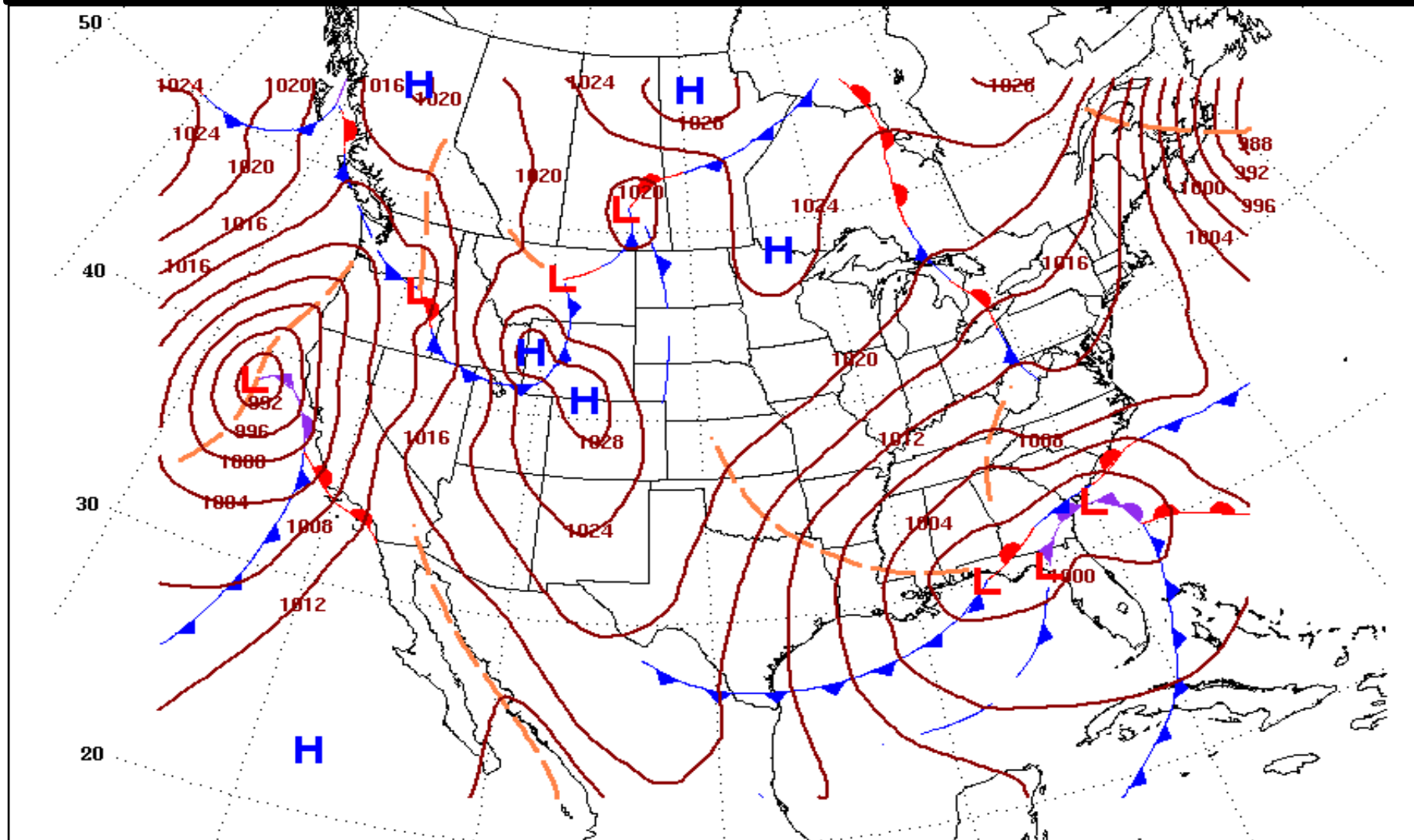
Day 4 Excessive Rainfall Outlook  
Valid 12Z Sun Feb 04 2024  
Thru 12Z Mon Feb 05 2024  
Issued: 0742Z Thu Feb 01 2024  
Forecaster: RAUSCH  
DOC/NOAA/NWS/NCEP/WPC

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%**

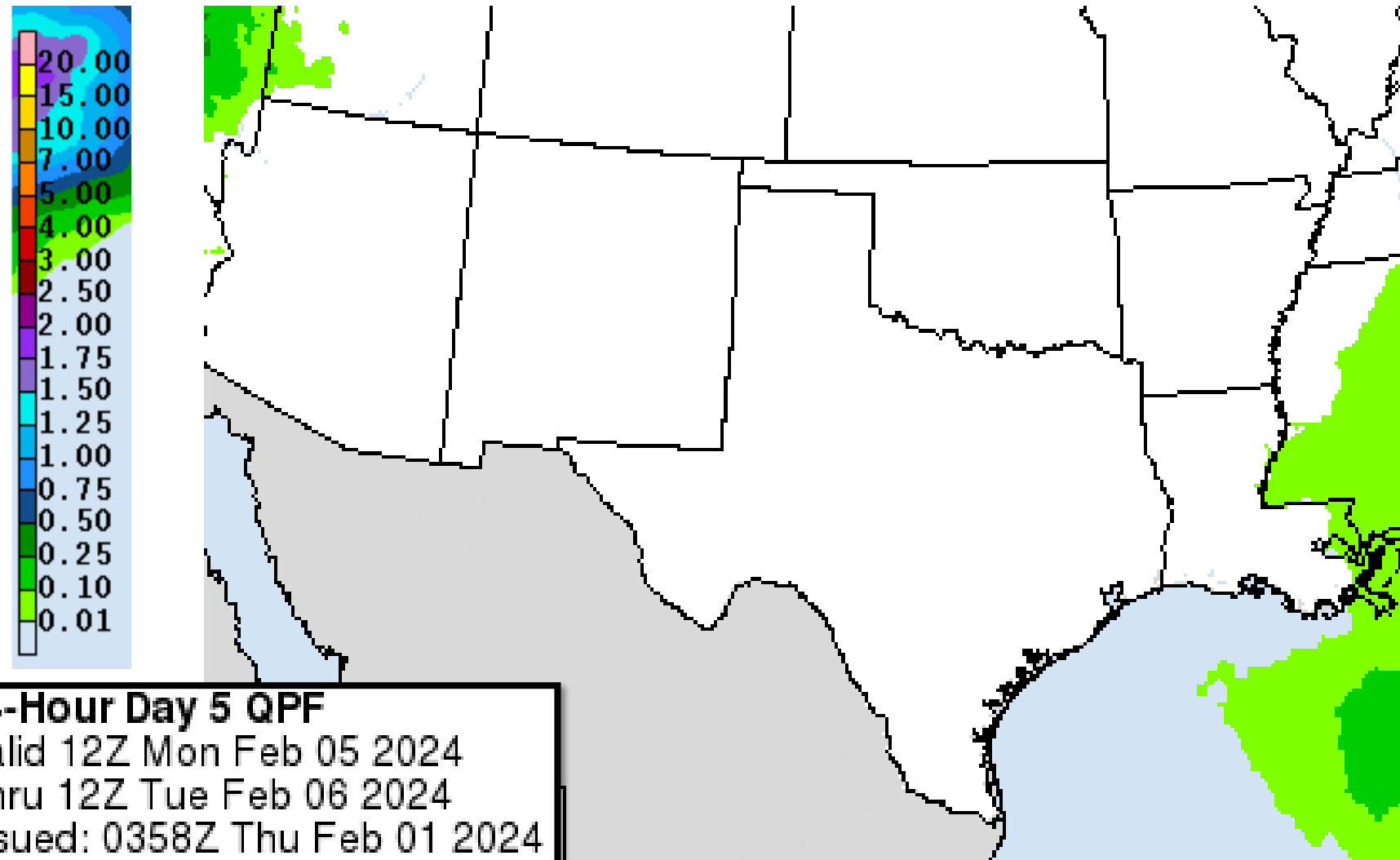


# Monday's Weather

## Forecast Chart



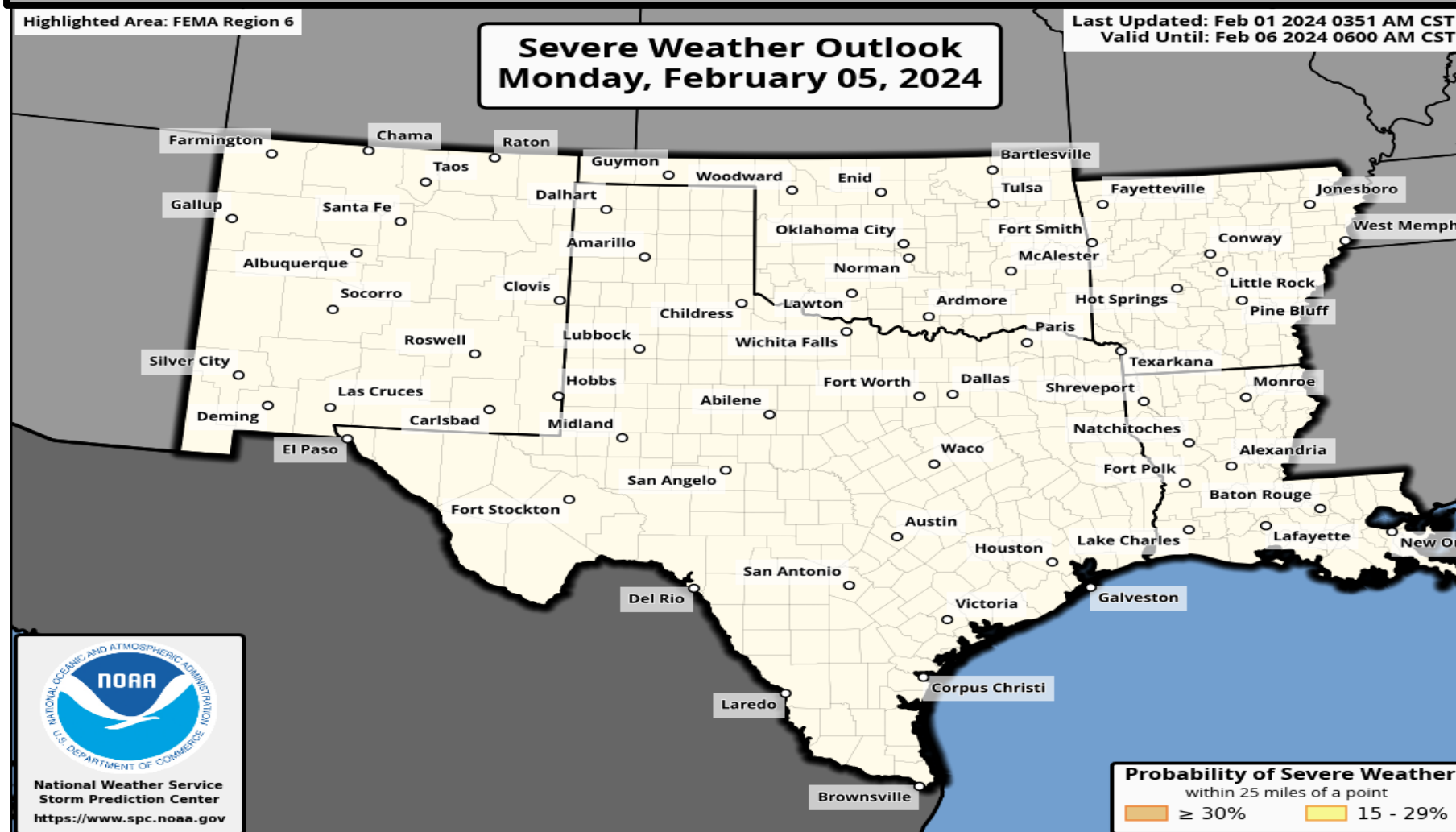
## Forecast Rainfall



No significant weather expected.

24-Hour Day 5 QPF  
Valid 12Z Mon Feb 05 2024  
Thru 12Z Tue Feb 06 2024  
Issued: 0358Z Thu Feb 01 2024

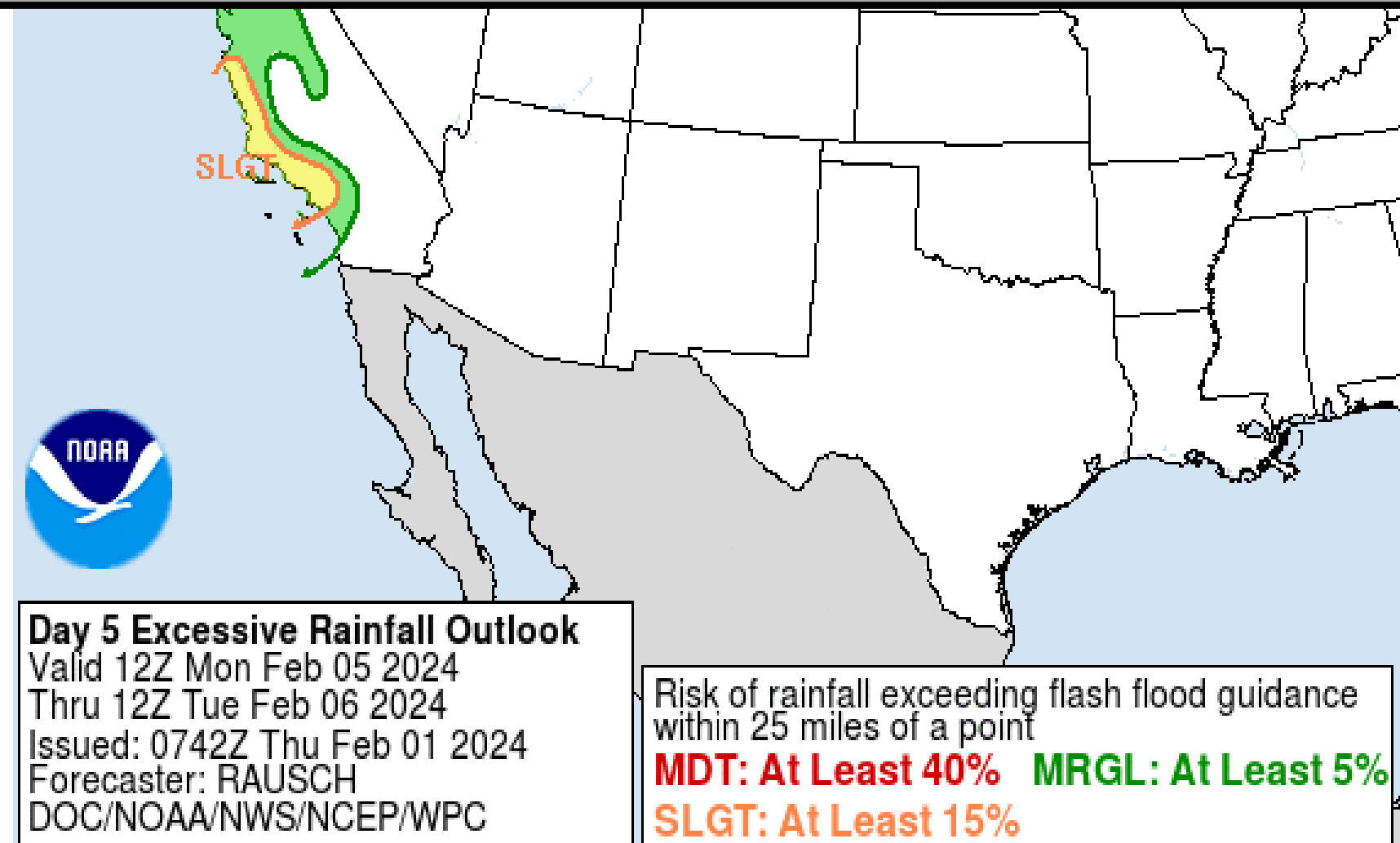
## Severe Weather Outlook



Severe Weather Outlook  
Monday, February 05, 2024

Last Updated: Feb 01 2024 0351 AM CST  
Valid Until: Feb 06 2024 0600 AM CST

## Excessive Rainfall Outlook

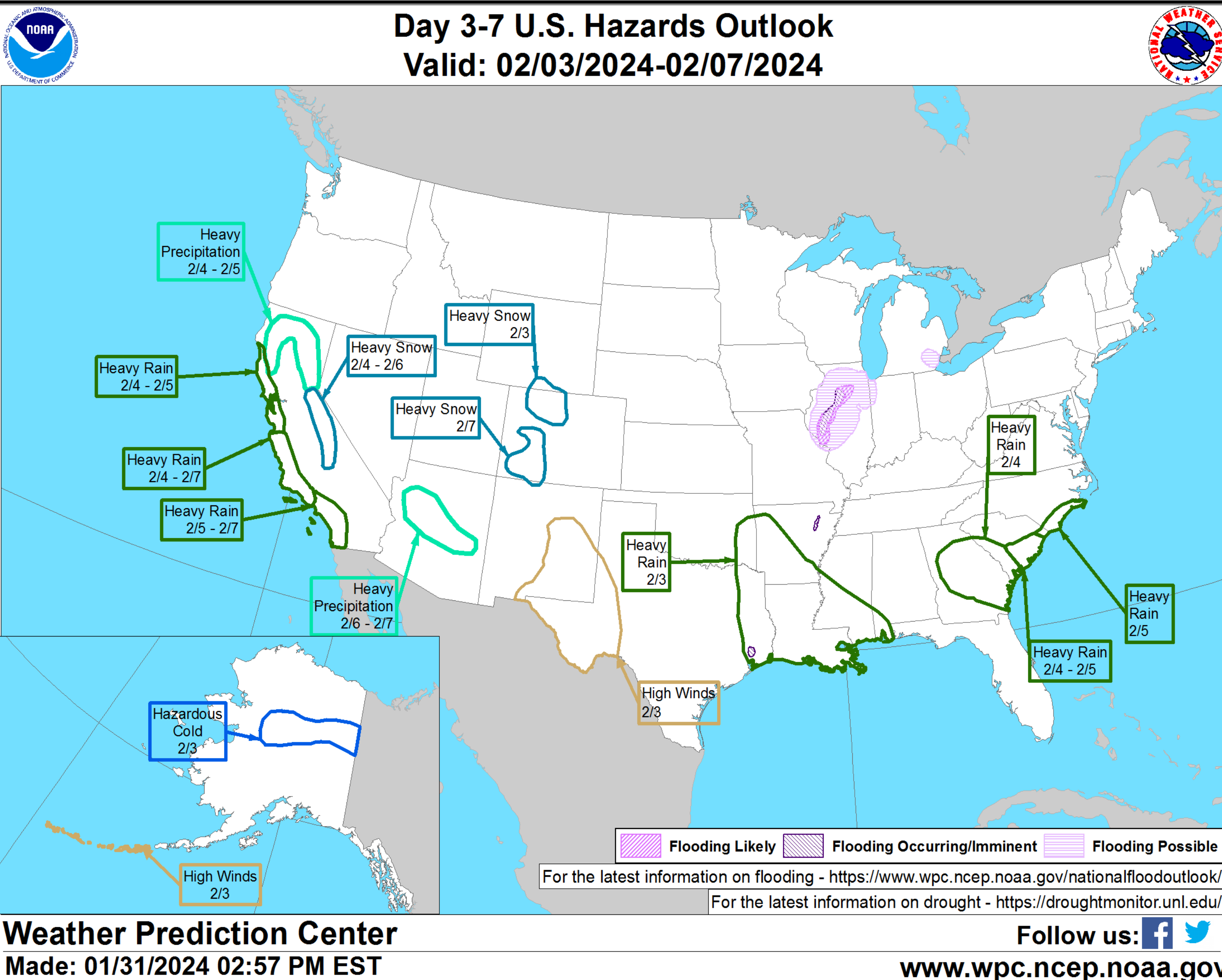


Day 5 Excessive Rainfall Outlook  
Valid 12Z Mon Feb 05 2024  
Thru 12Z Tue Feb 06 2024  
Issued: 0742Z Thu Feb 01 2024  
Forecaster: RAUSCH  
DOC/NOAA/NWS/NCEP/WPC

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%**



# “Day 3-7” Hazards Outlook



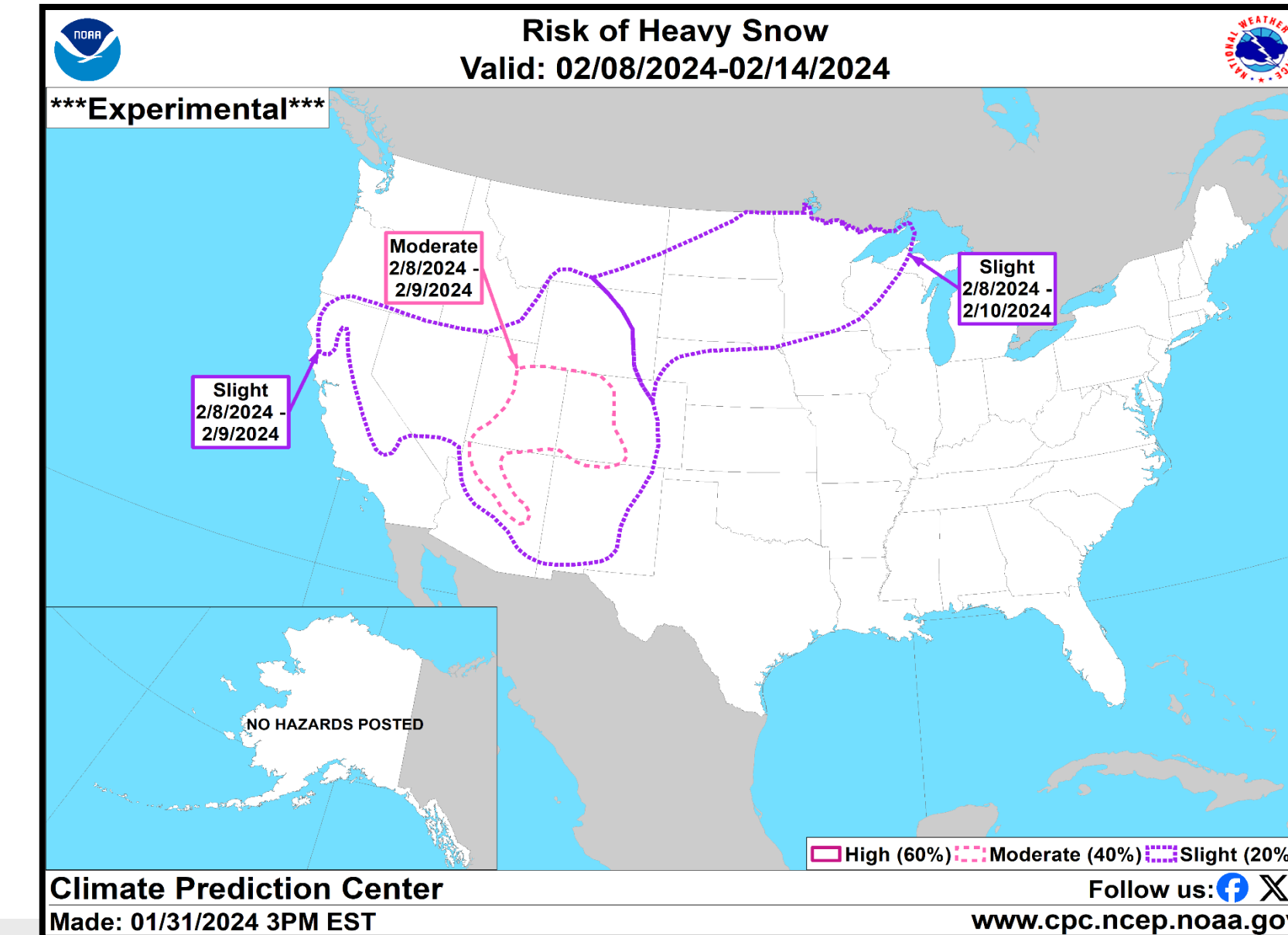
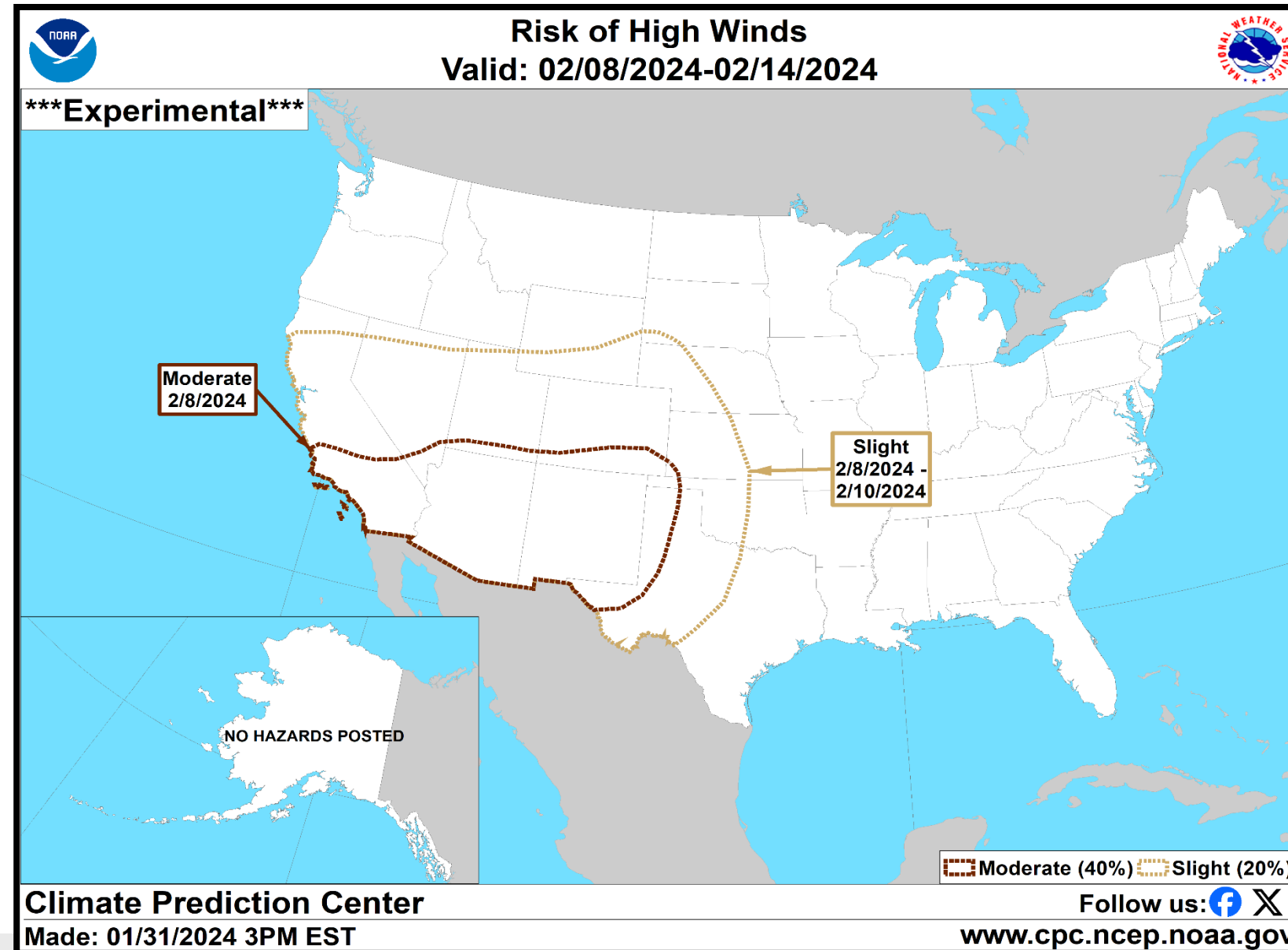
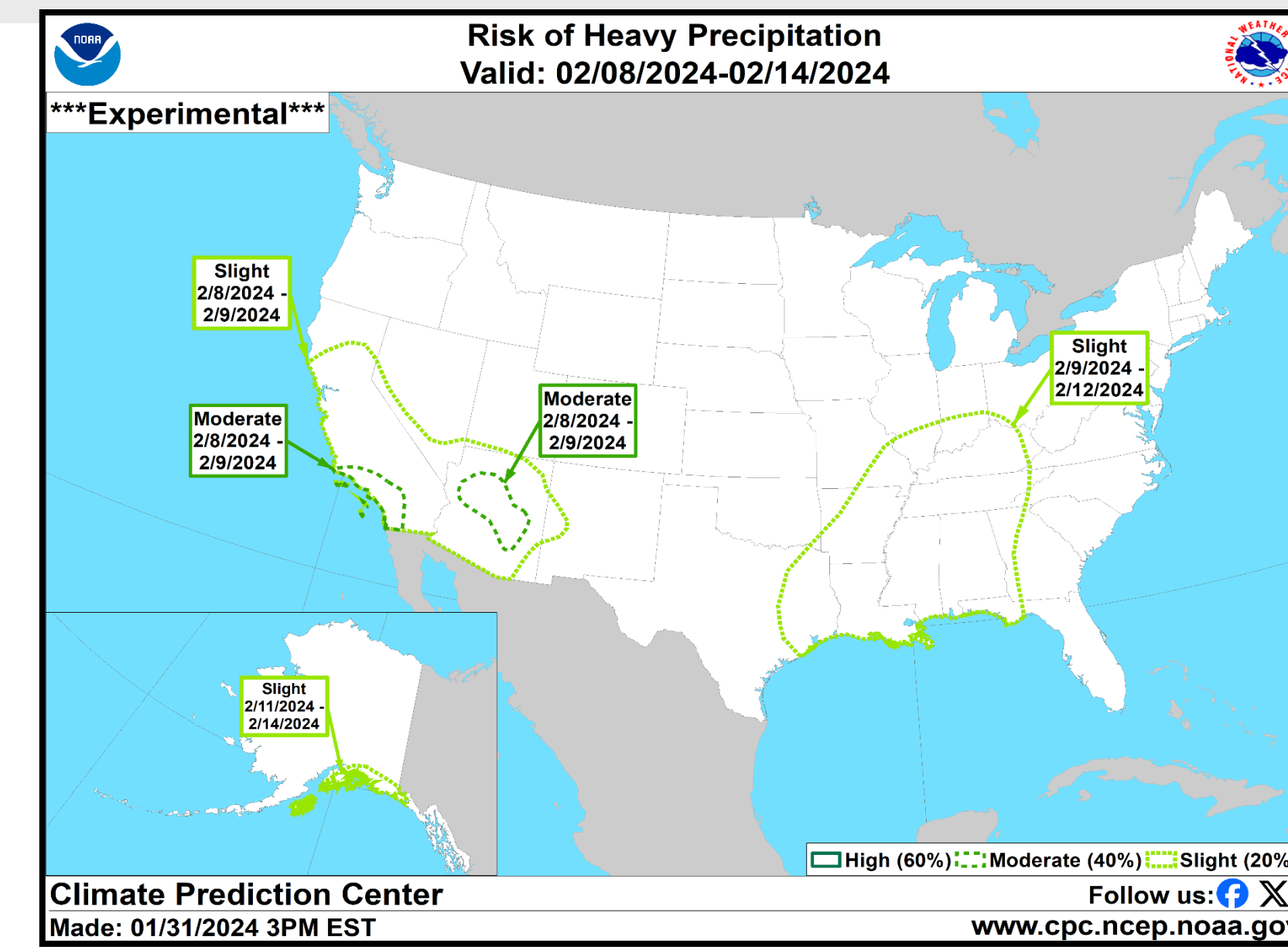
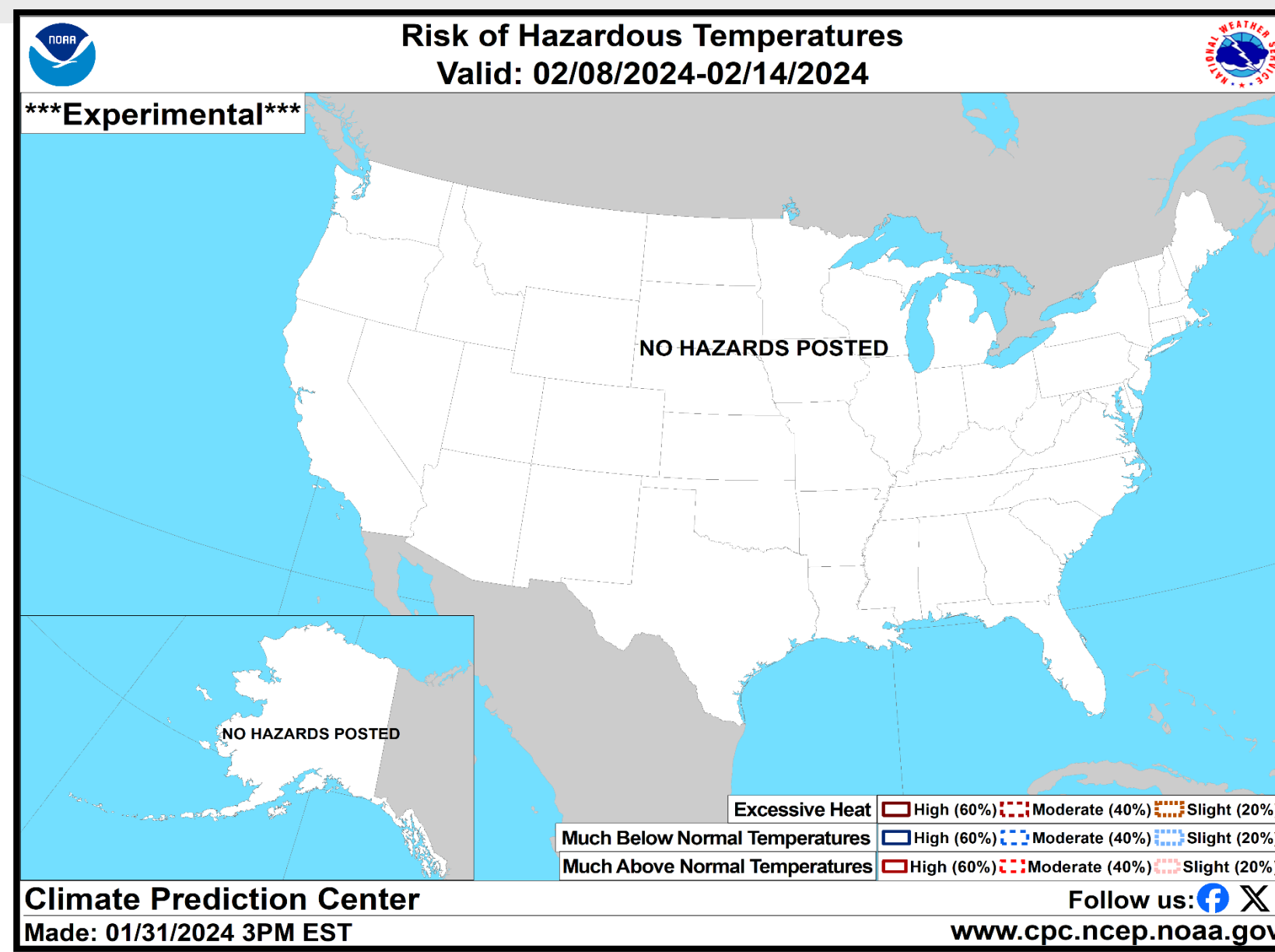
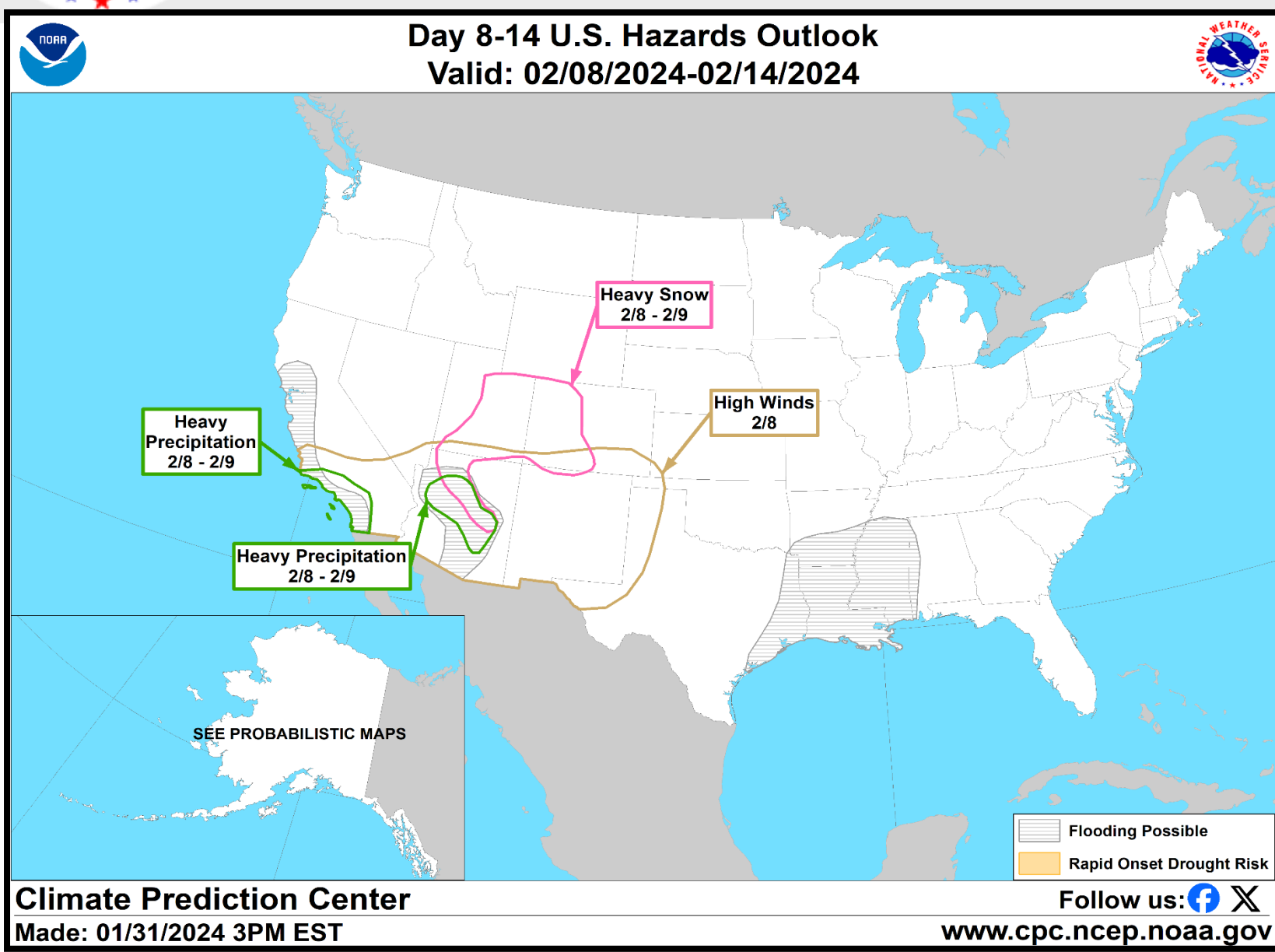
**NOTE:** These outlooks are issued in the afternoon and only issued on weekdays. Because of that and the fact that these slides are issued in the mornings:

- 1) The “day 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>



# "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:

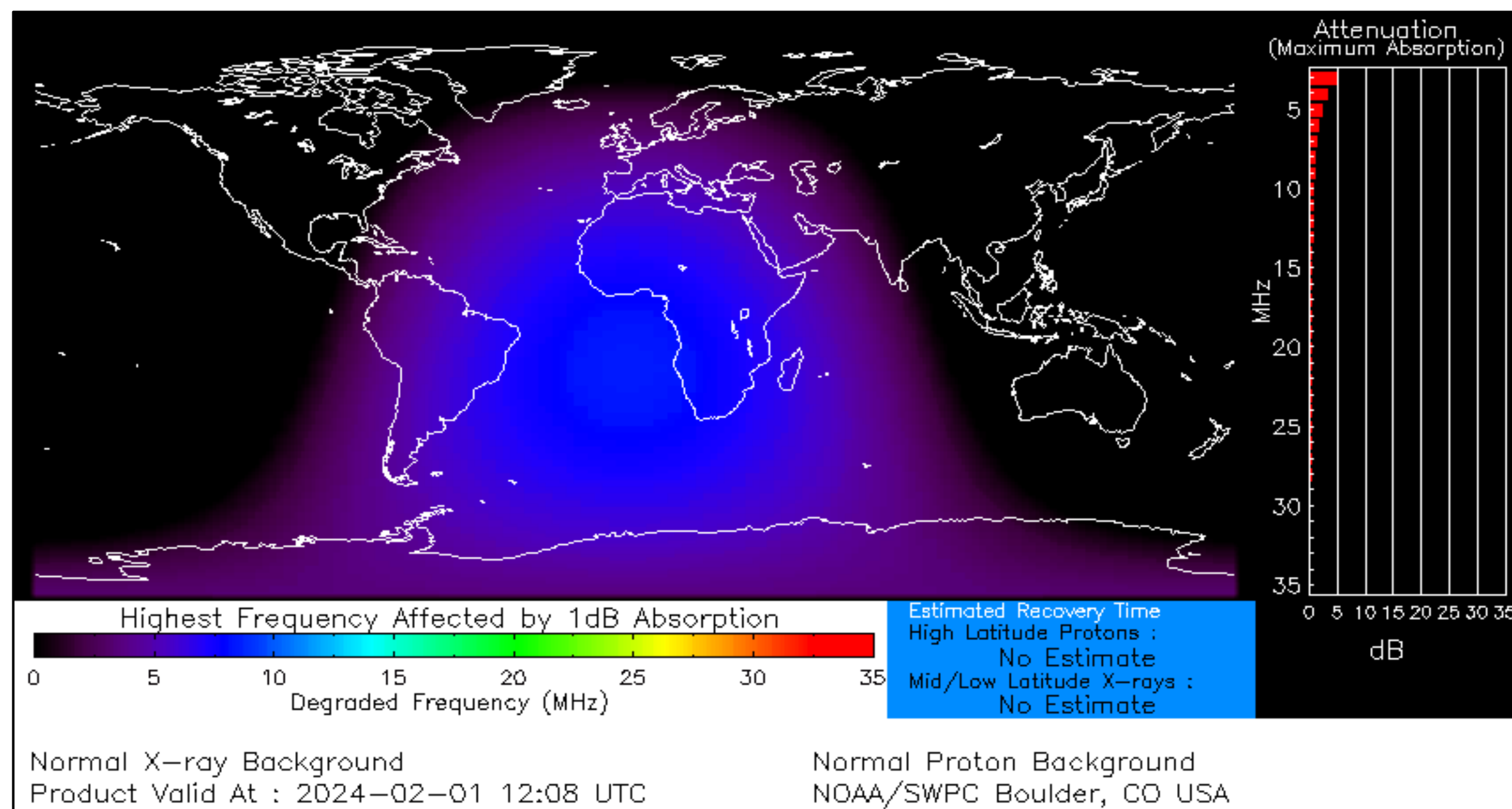
- 1) The "day 8-14" will really be days 7-13
- 2) This slide will be hidden on Mondays and Sundays so the data/information is not too old

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



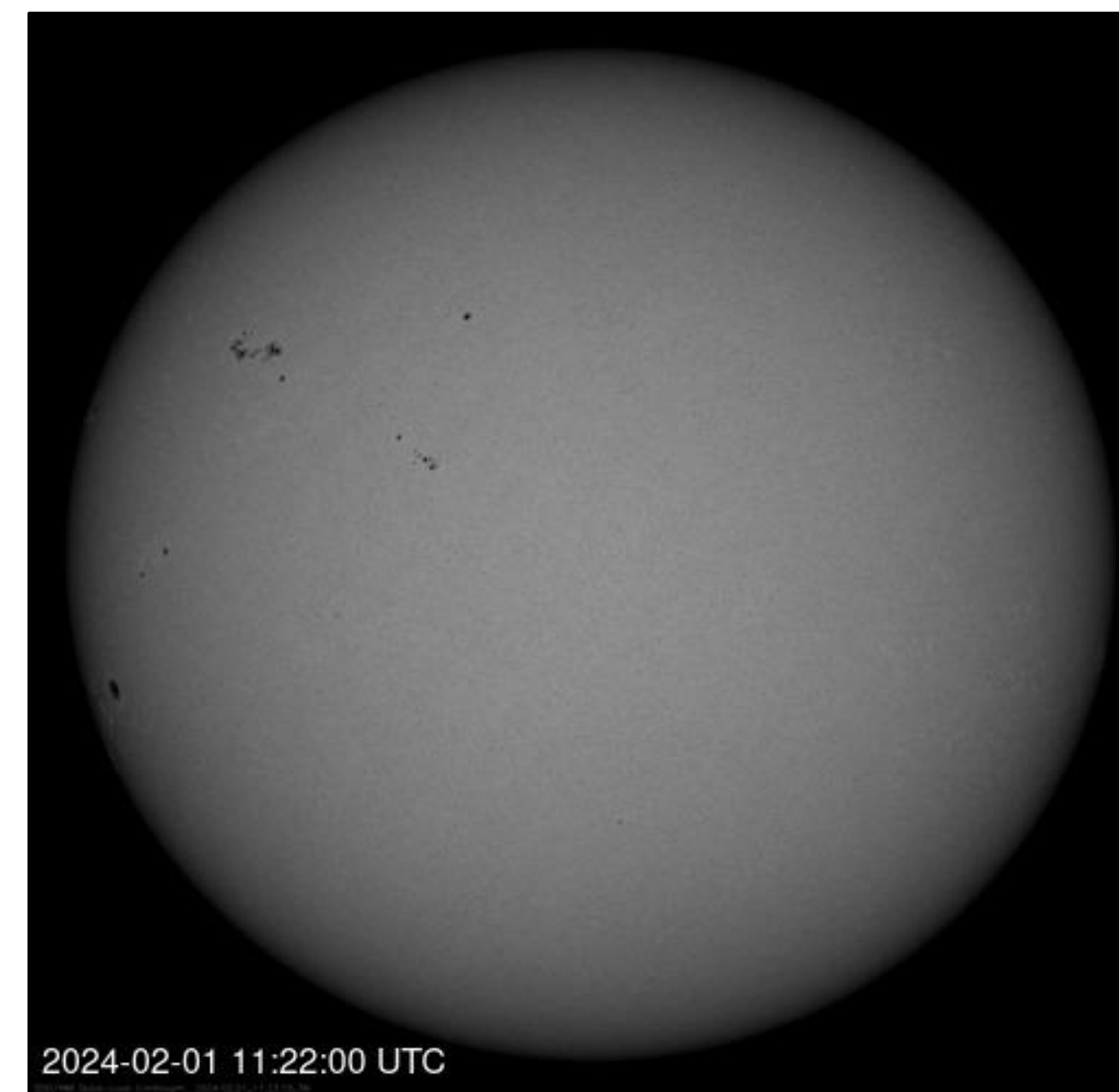
# Space Weather 3-Day Forecast

	Thursday	Friday	Saturday
<b>Geomagnetic Storms</b>	<b>Unsettled (Max Kp = 3)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	<b>10%</b>	<b>5%</b>	<b>5%</b>
<b>Radio Blackout (R1-R2)</b>	<b>25%</b>	<b>25%</b>	<b>25%</b>
<b>Radio Blackout (R3-R5)</b>	<b>5%</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 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)**