



# FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Tuesday February 16, 2021

**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)



- **Dangerously cold temperatures and wind chills this morning.**
- **Another round of wintry weather is forecast for much of the Region this afternoon into early Thursday.**
- **Severe storms may occur in SE LA on Wednesday.**

# FEMA Region 6 Threat Matrix

Feb 16, 2021 - Feb 20, 2021



**SR ROC**  
REGIONAL OPERATIONS CENTER

DAY / THREAT	Tue	Wed	Thu	Fri	Sat
Severe Storms		SE LA			
Heavy Rain / Flash Flooding					
Fire Weather					
Winds					
Winter Weather / Cold Temps	NM, OK, TX, AR, LA	NM, OK, TX, AR, LA	NM, OK, TX, AR, LA		
River Flooding	LA				

	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.*

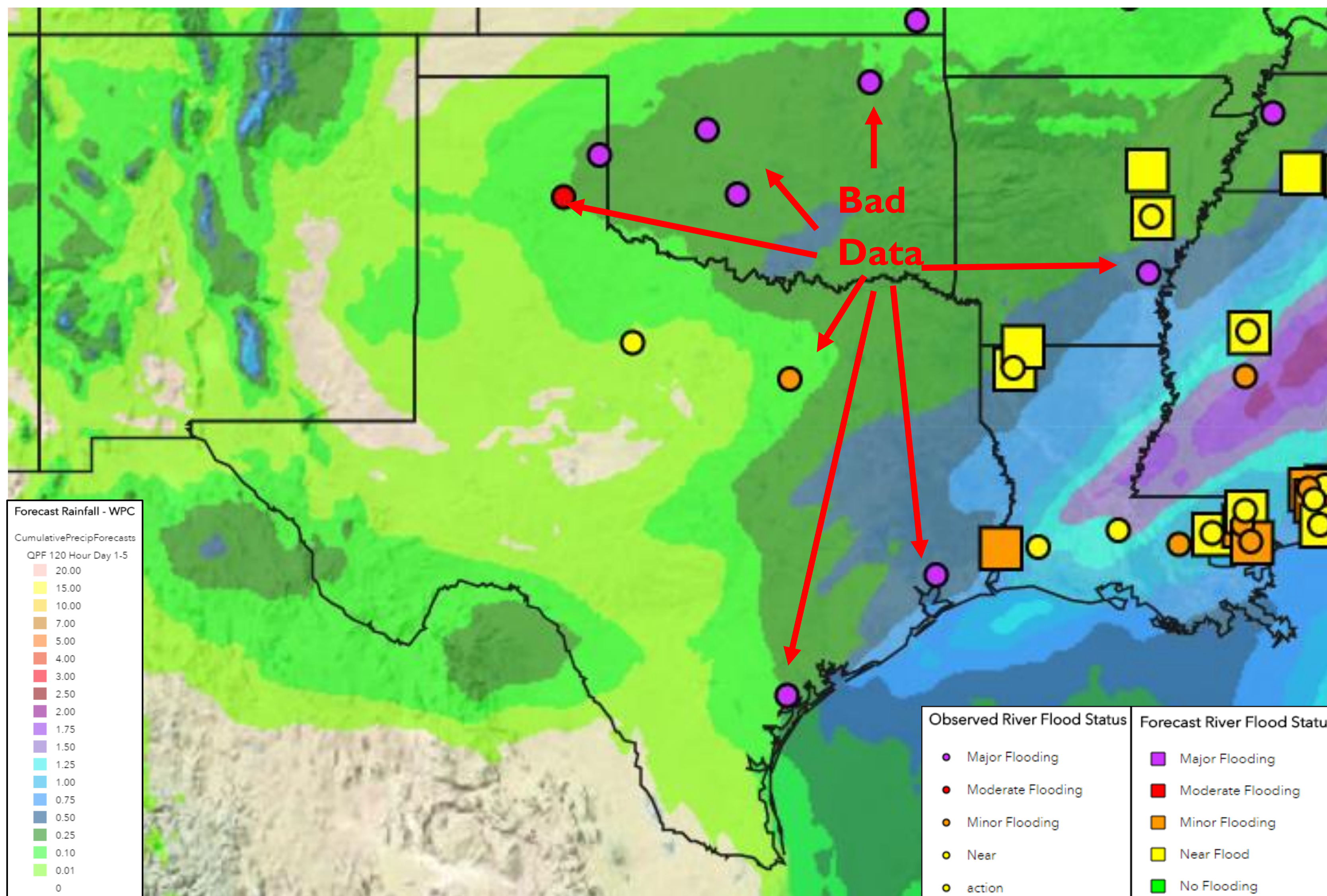


# 5-Day Precipitation Forecast & River Flood Status



**SR ROC**  
REGIONAL OPERATIONS CENTER

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



**Minor flooding is forecast to recede/drop below minor flood in LA by Wednesday.**

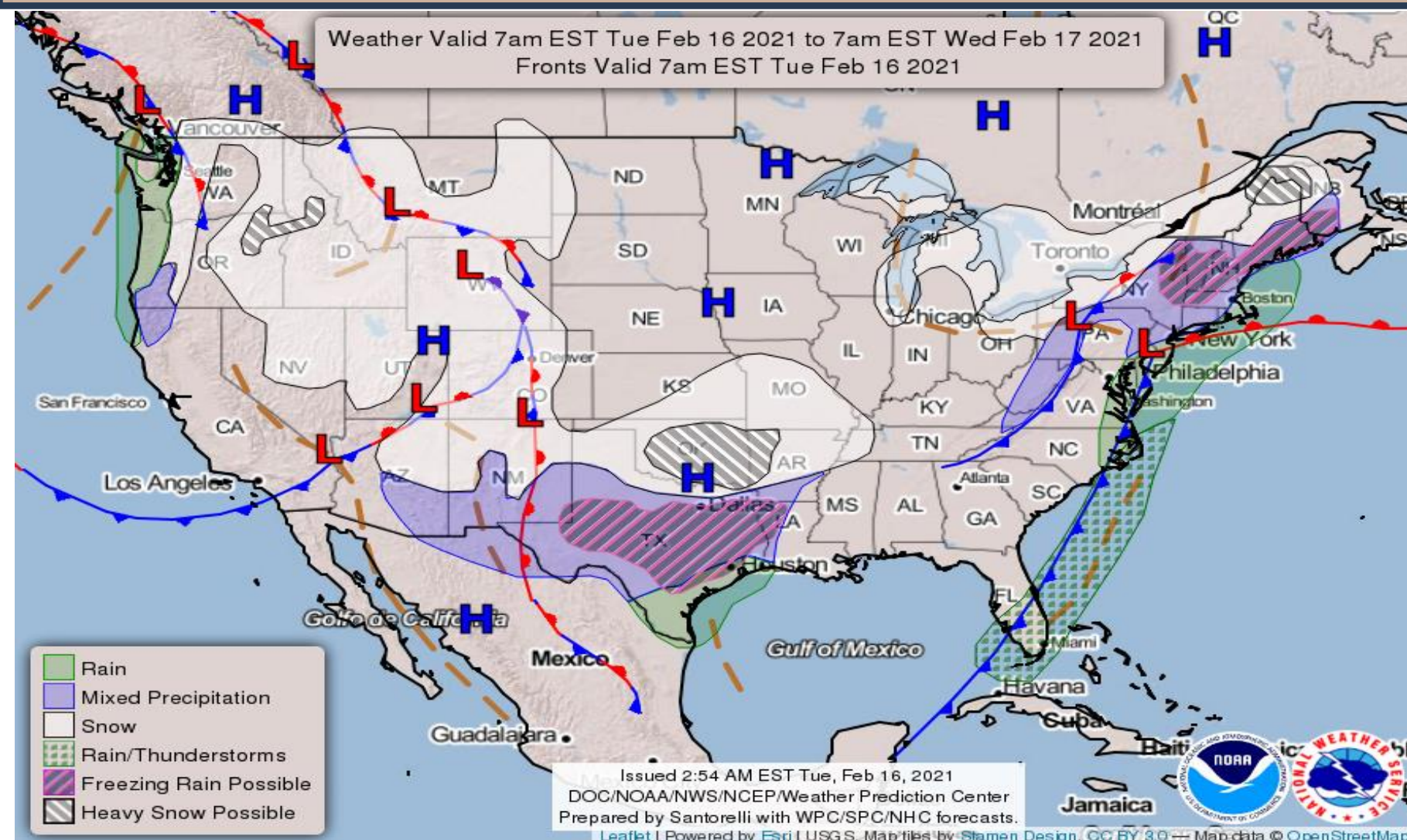
**Flooding has dropped below minor flood in AR.**

**All of the points showing moderate or major in OK, TX, and AR are bad data! Also the two points in N TX showing minor and near flood are bad data!**

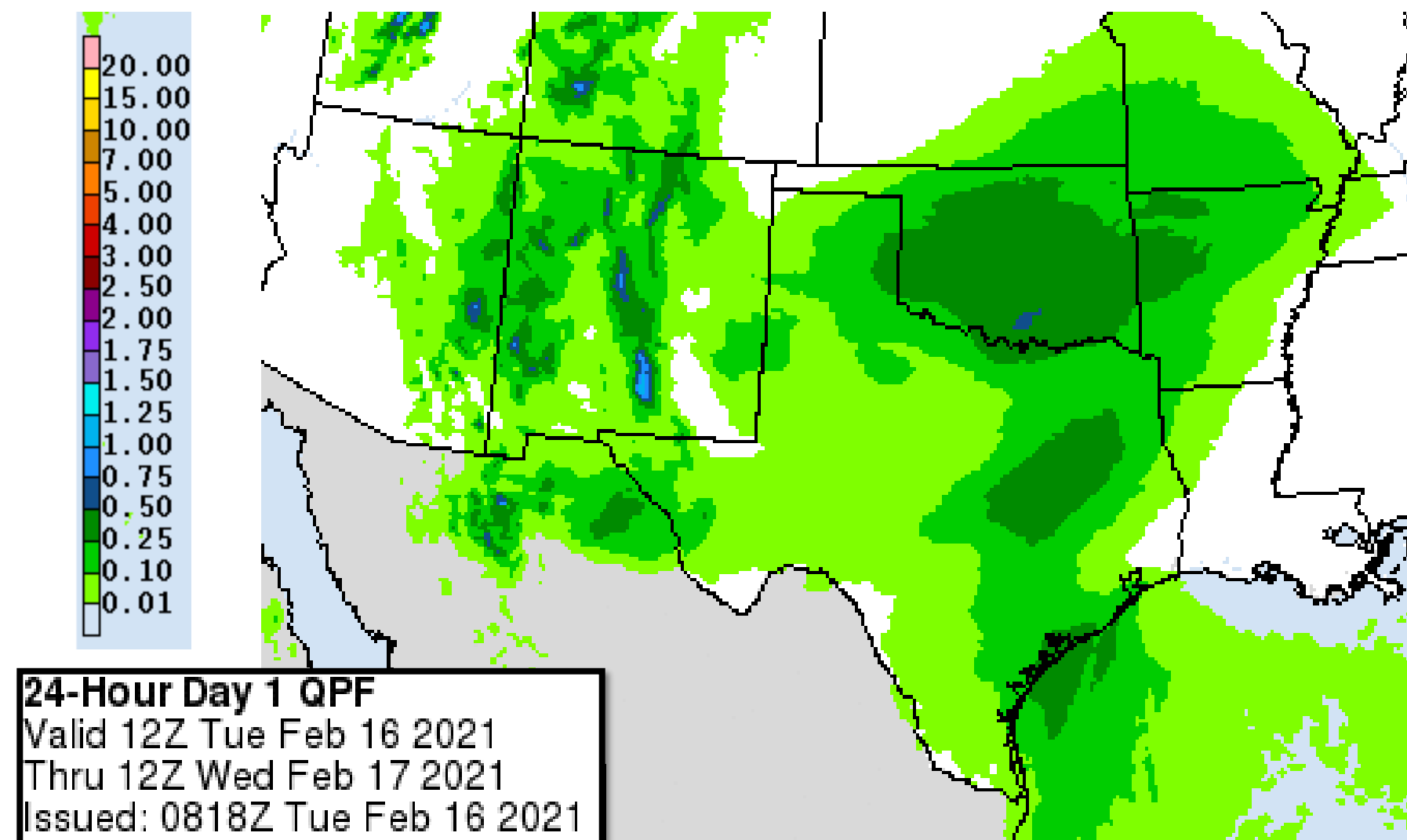


# Today's Weather

## Forecast Chart

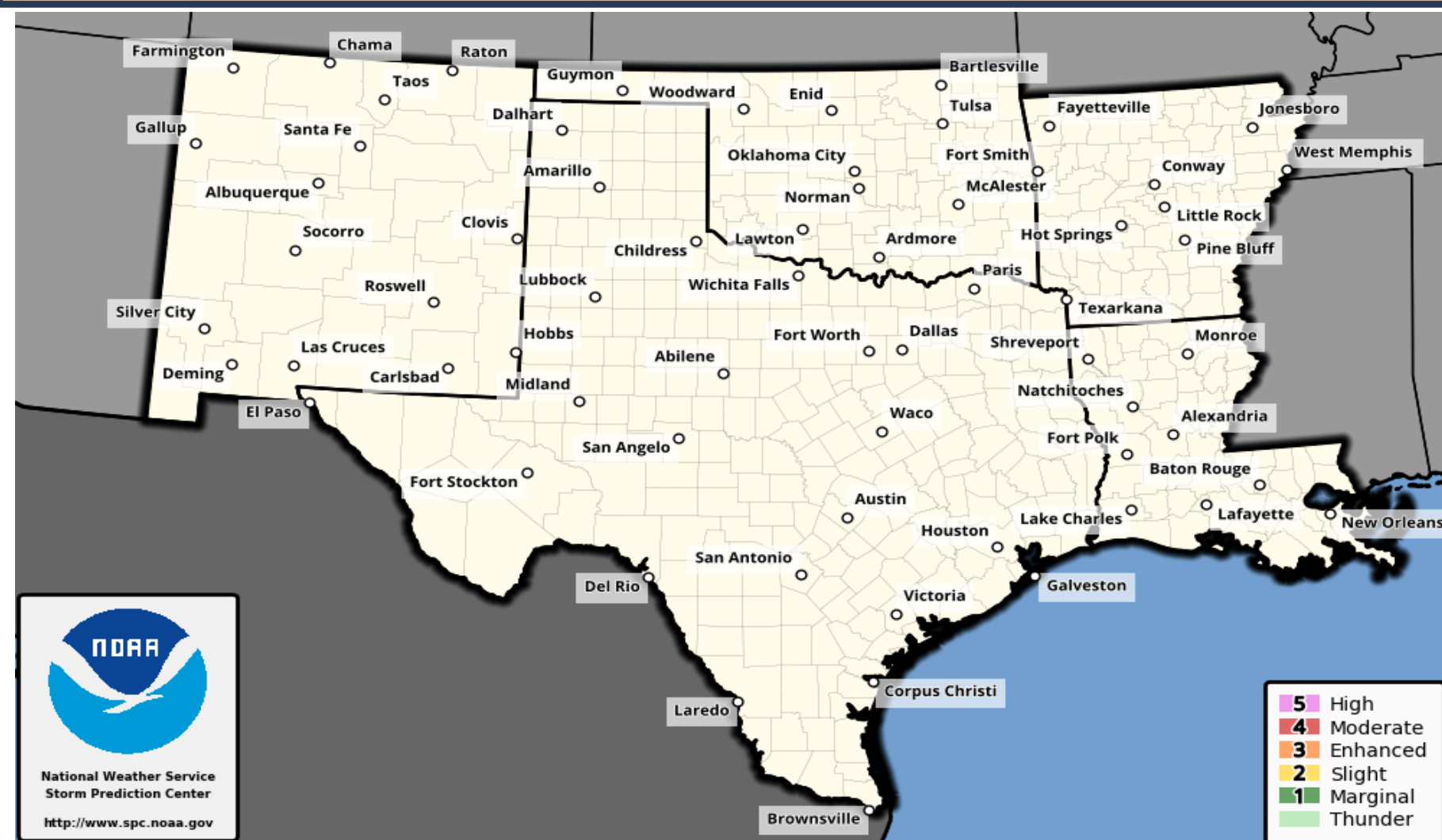


## Forecast Rainfall

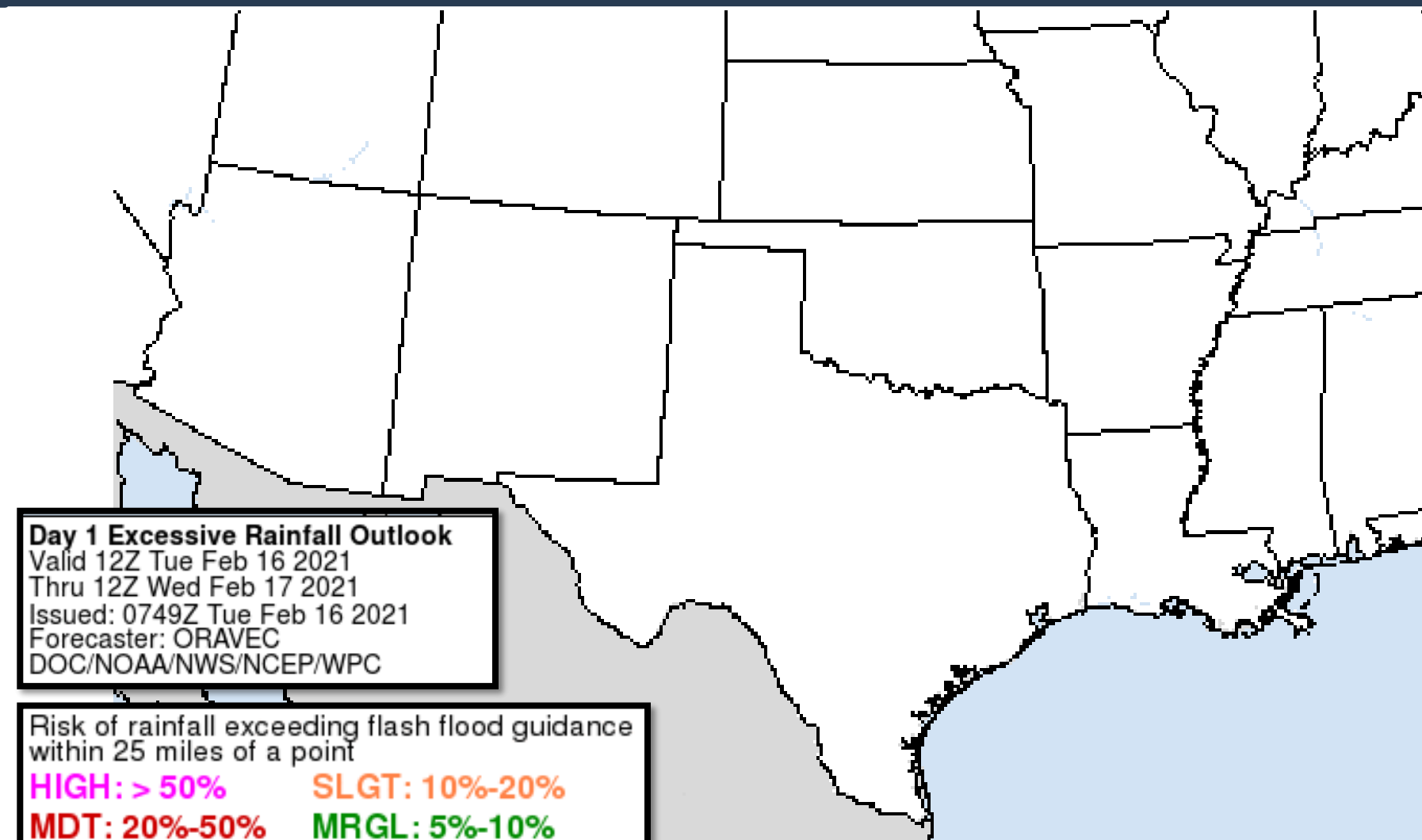


**Another round of wintry weather is forecast for much of the Region beginning this afternoon/tonight. Hazardous travel and continued/additional power outages are likely.**

## Severe Weather Outlook



## Excessive Rainfall Outlook





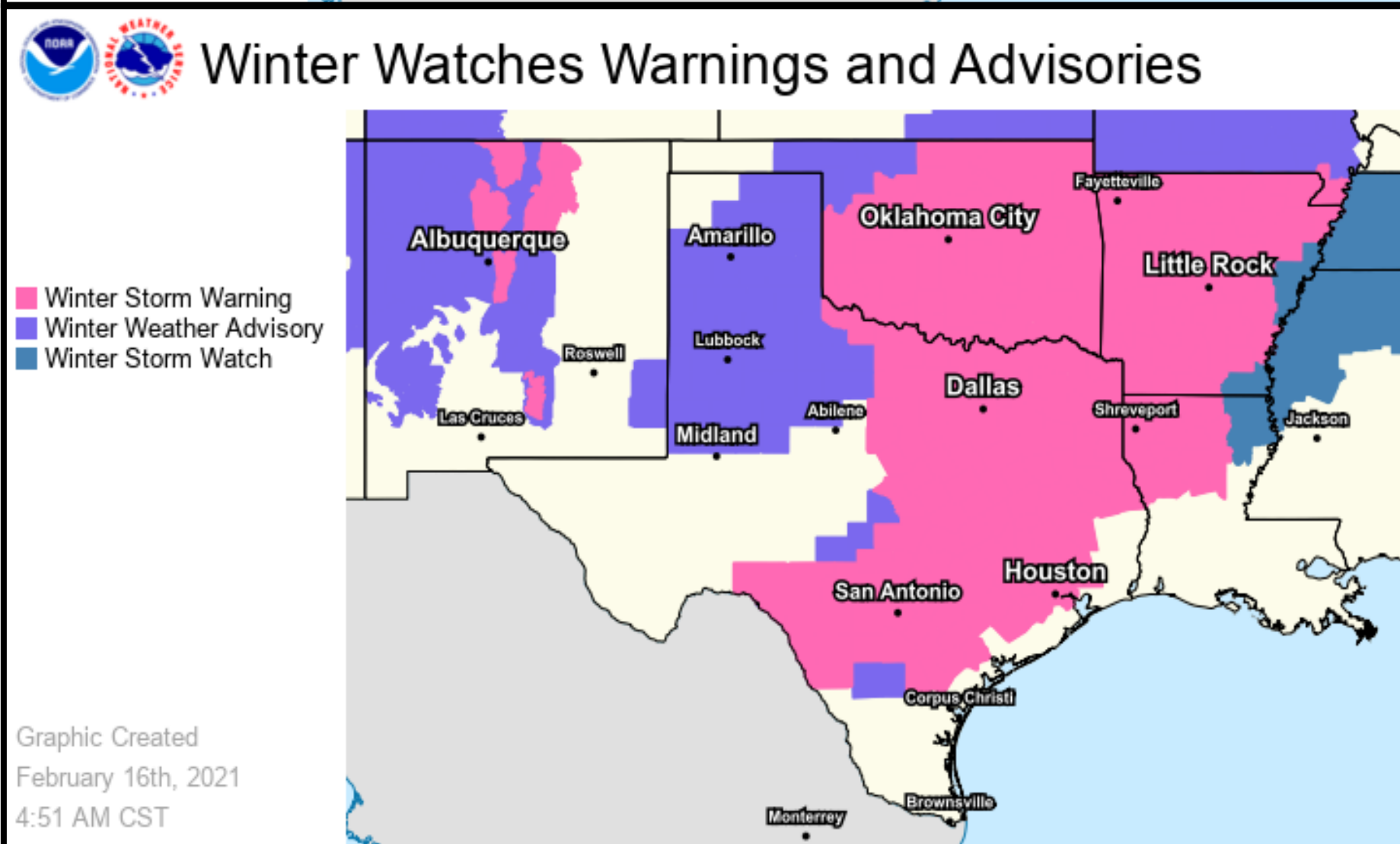
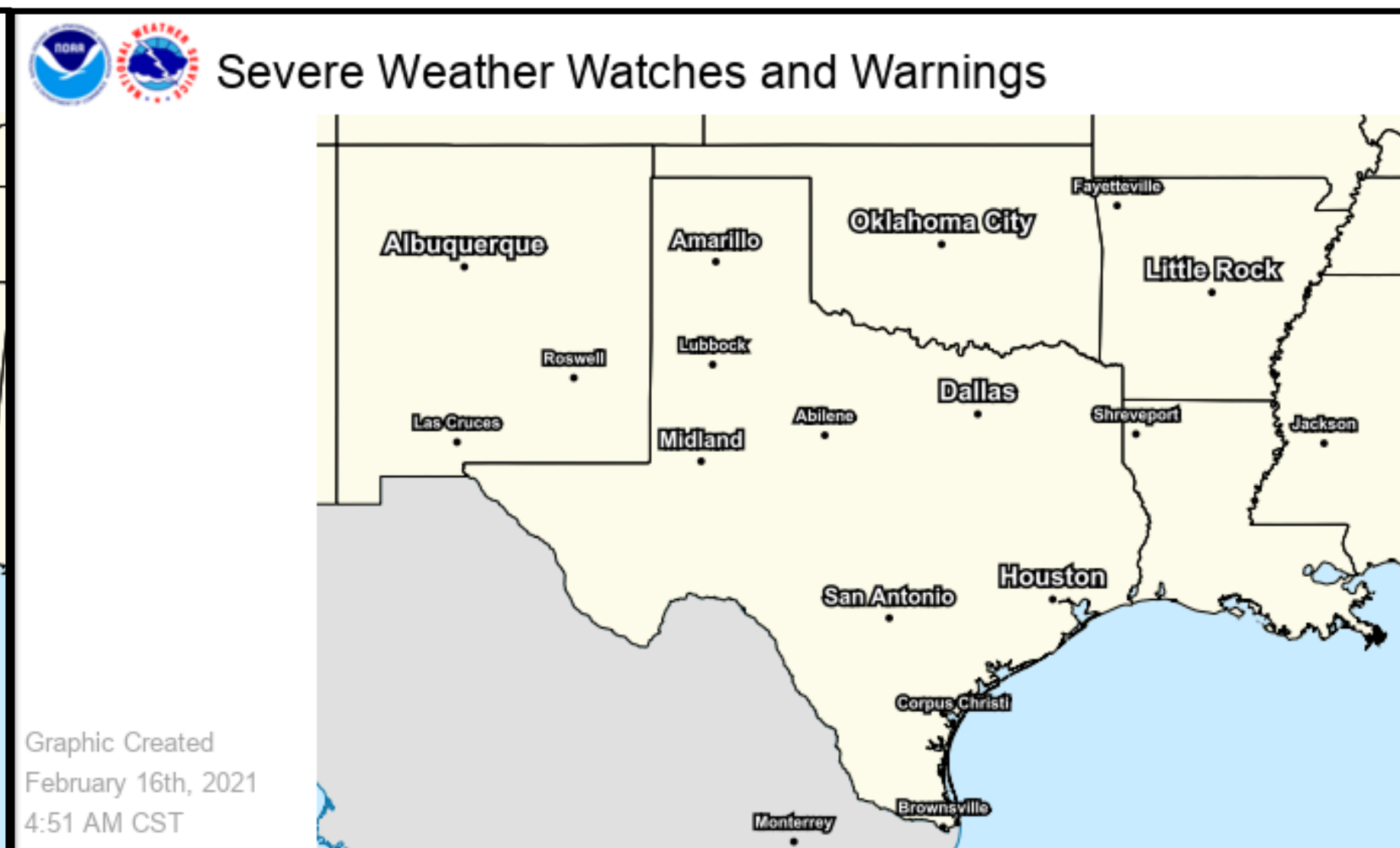
# Watches, Warnings, and Advisories

Wind, Severe, Winter, and Flood Hazards



SR ROC  
REGIONAL OPERATIONS CENTER

**Winter storm warnings for much of FEMA Region 6.**



# Winter Weather

Tuesday - Thursday



SR ROC  
REGIONAL OPERATIONS CENTER

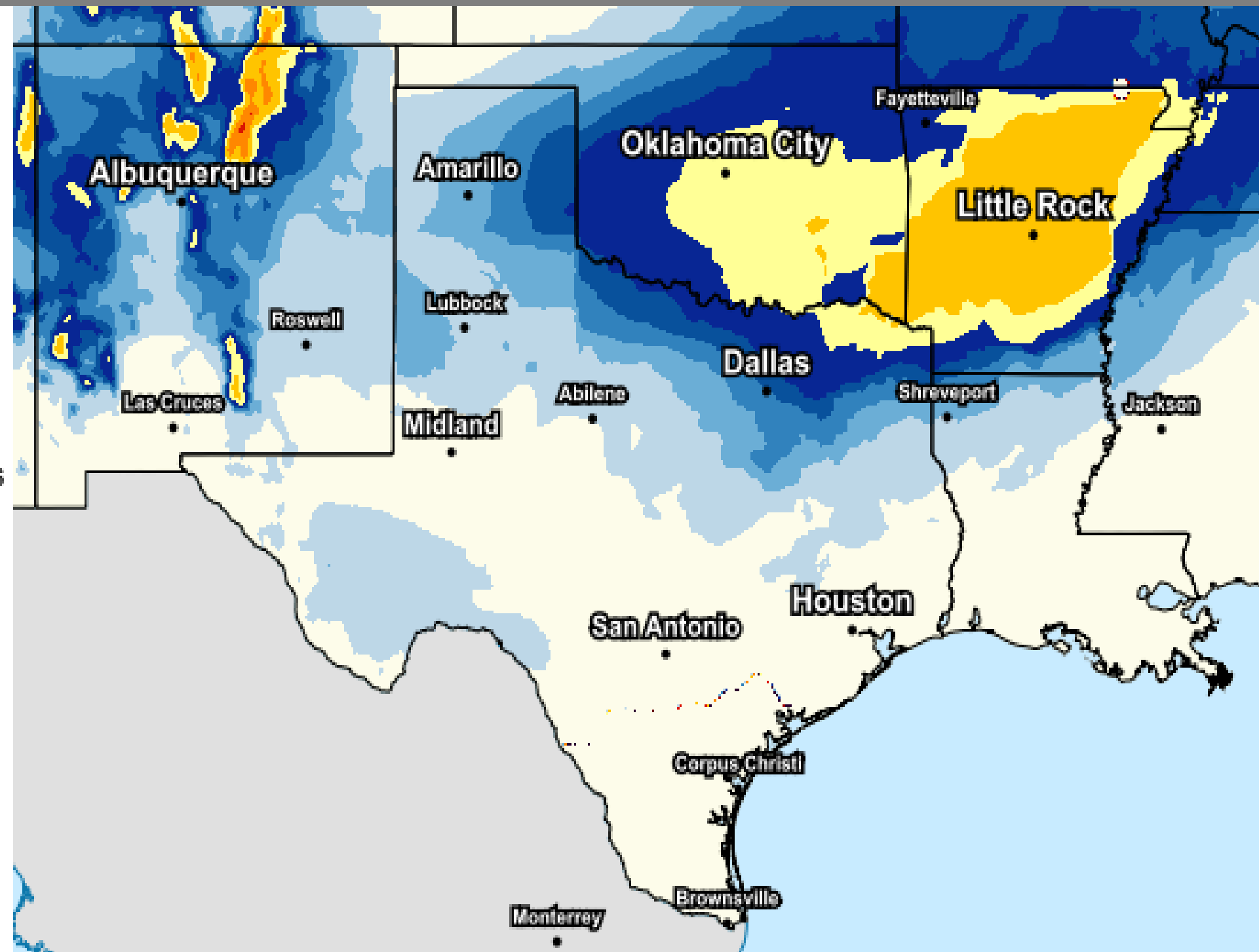
## Forecast Snow Amounts



### Forecast Snowfall

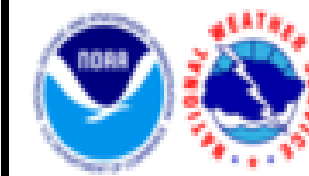
Valid Ending Thursday February 18th, 2021 at 6 PM CST

- 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 16th, 2021  
4:23 AM CST

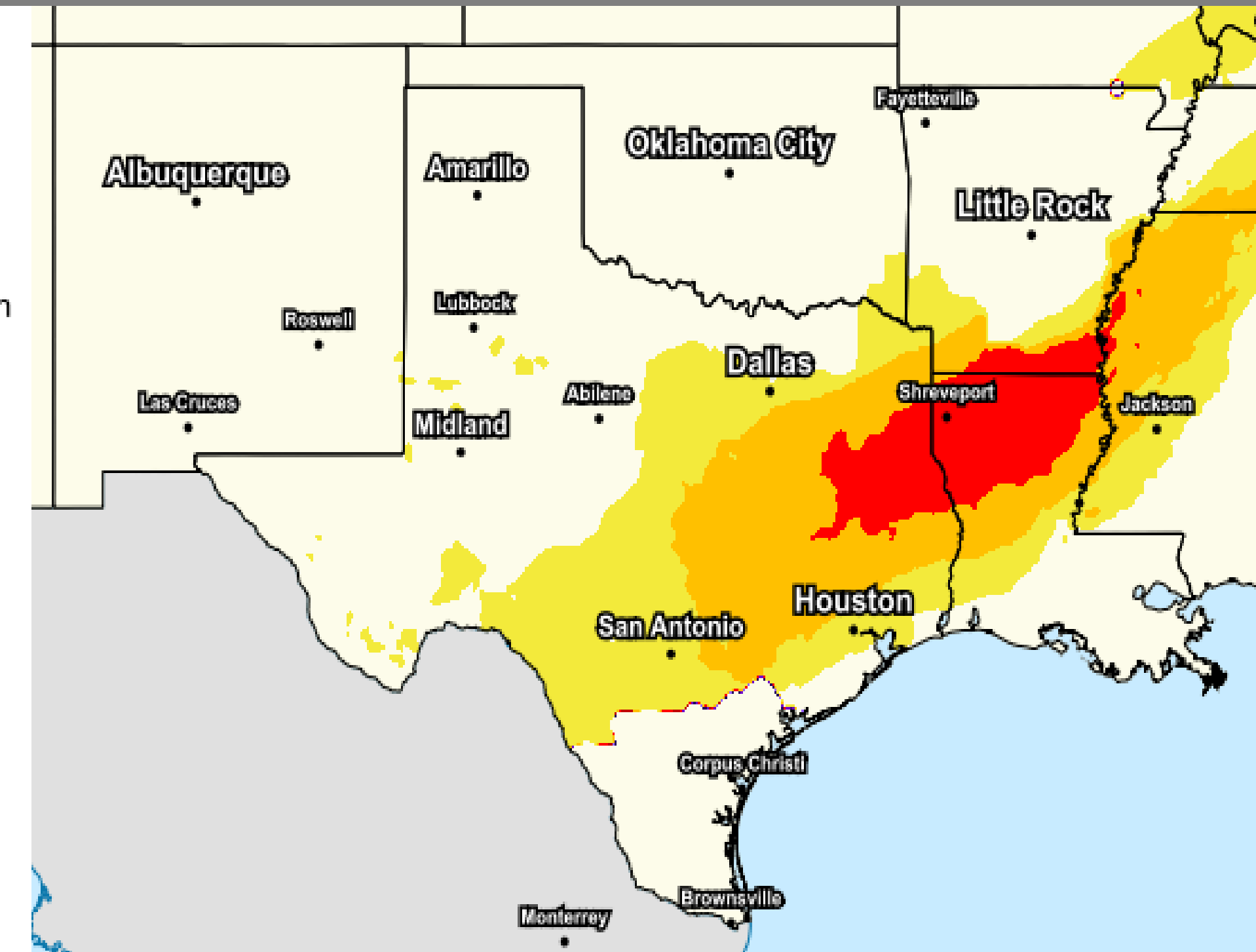
## Forecast Ice Amounts



### Ice Accumulation Forecast

Valid Ending Thursday February 18th, 2021 at 6 PM 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 16th, 2021  
4:23 AM CST

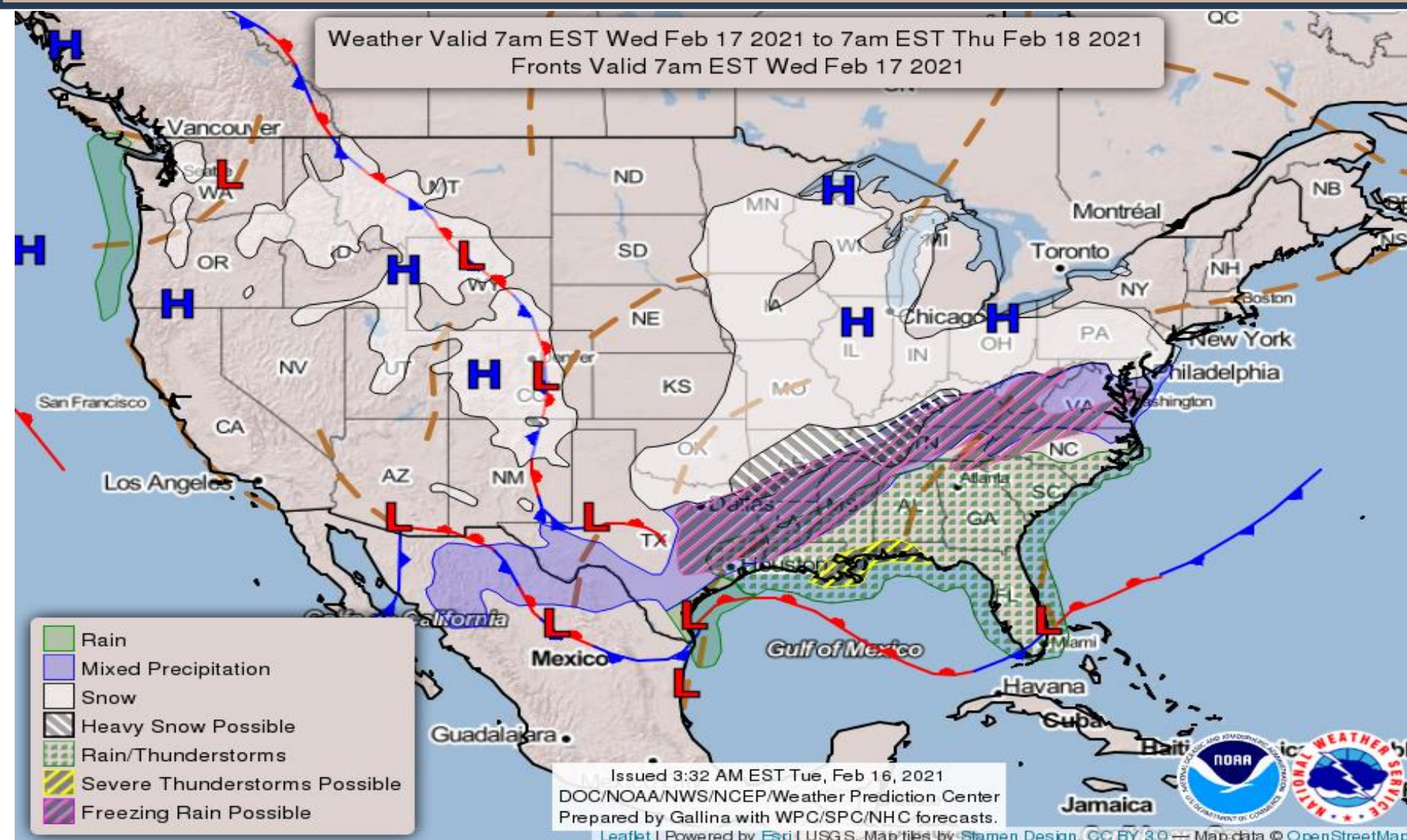


# Tomorrow's Weather

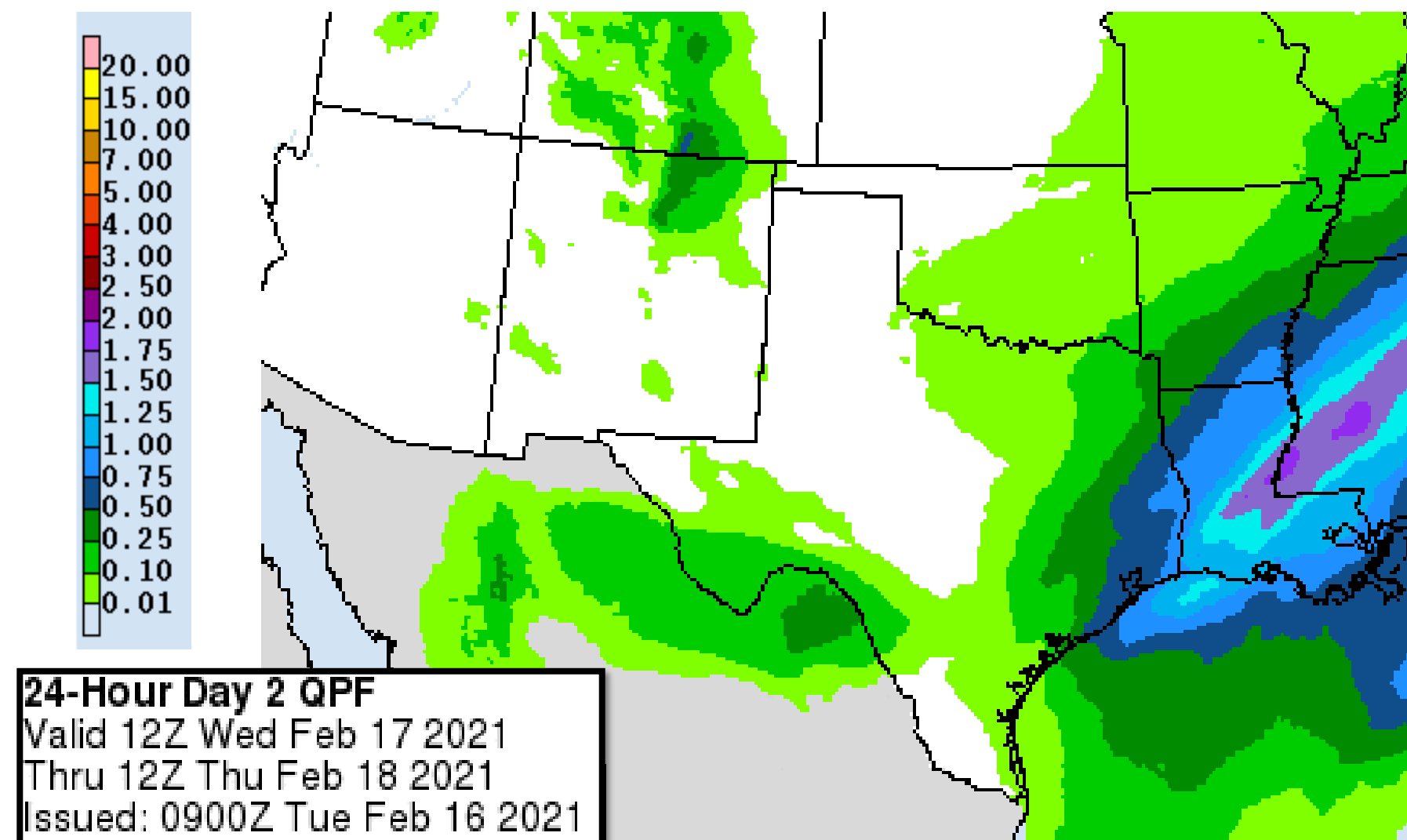


SR ROC  
REGIONAL OPERATIONS CENTER

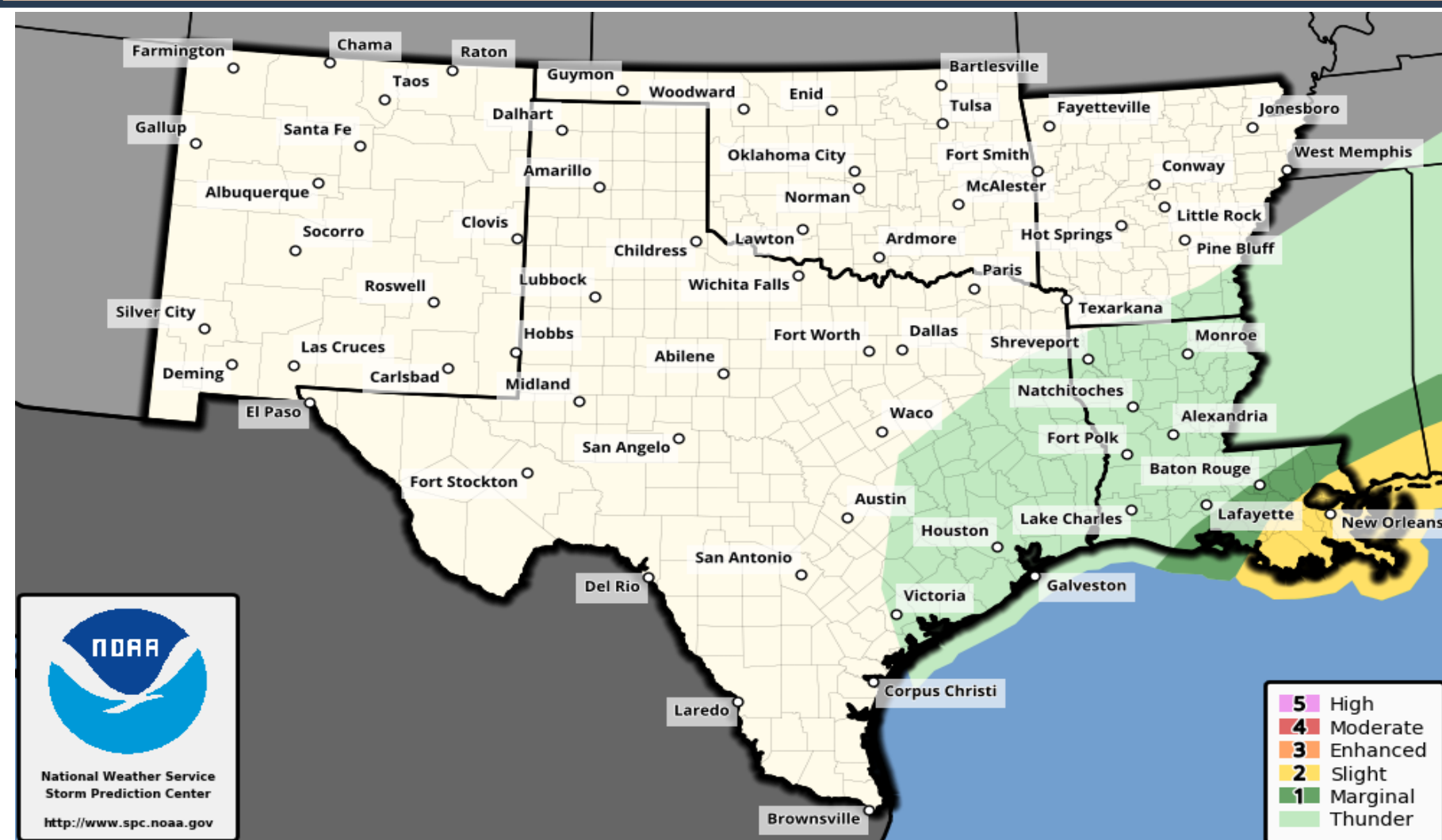
## Forecast Chart



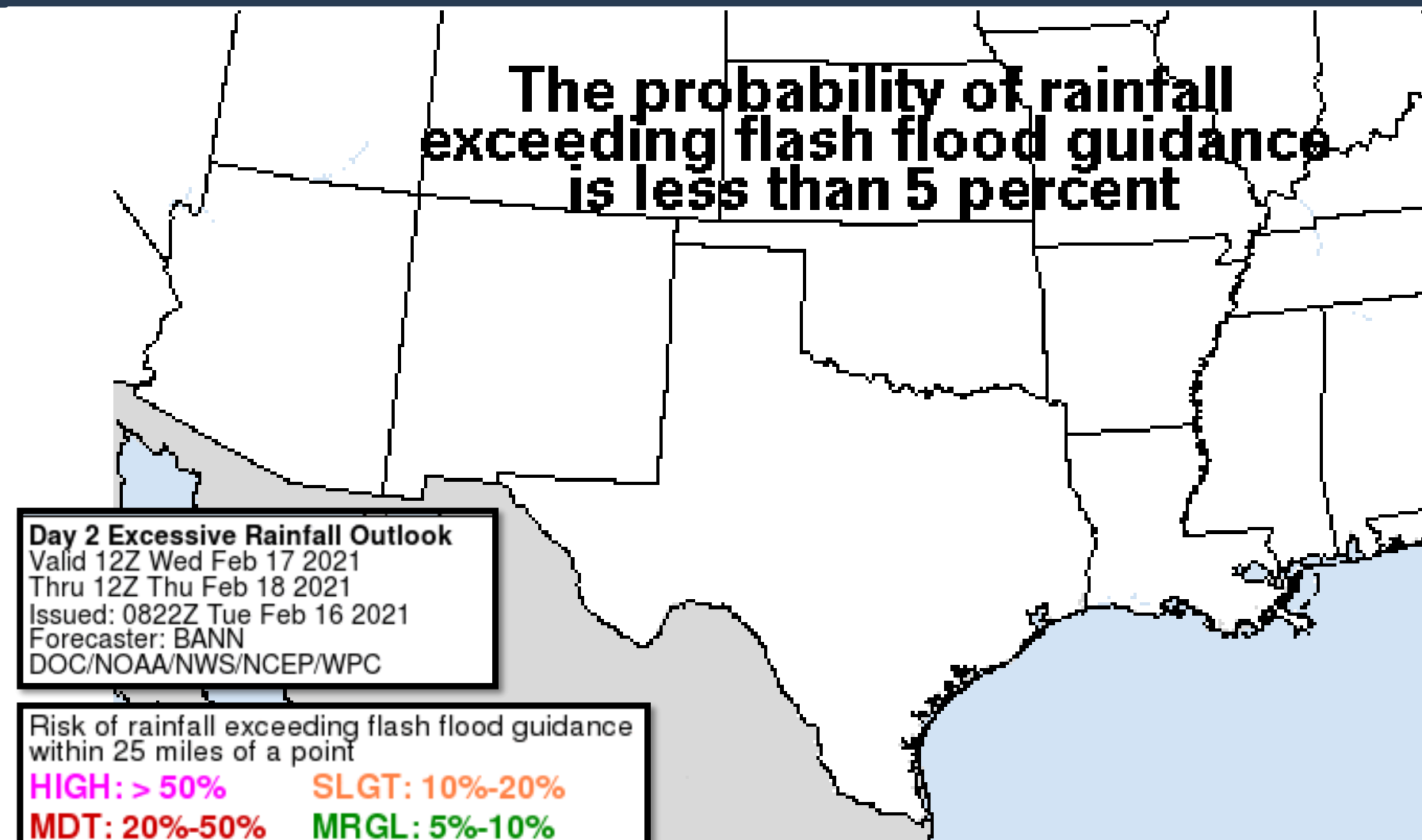
## Forecast Rainfall



## Severe Weather Outlook



## Excessive Rainfall Outlook



Wintry weather continues for much of the Region on Wednesday.

Hazardous travel and continued/additional power outages are likely.

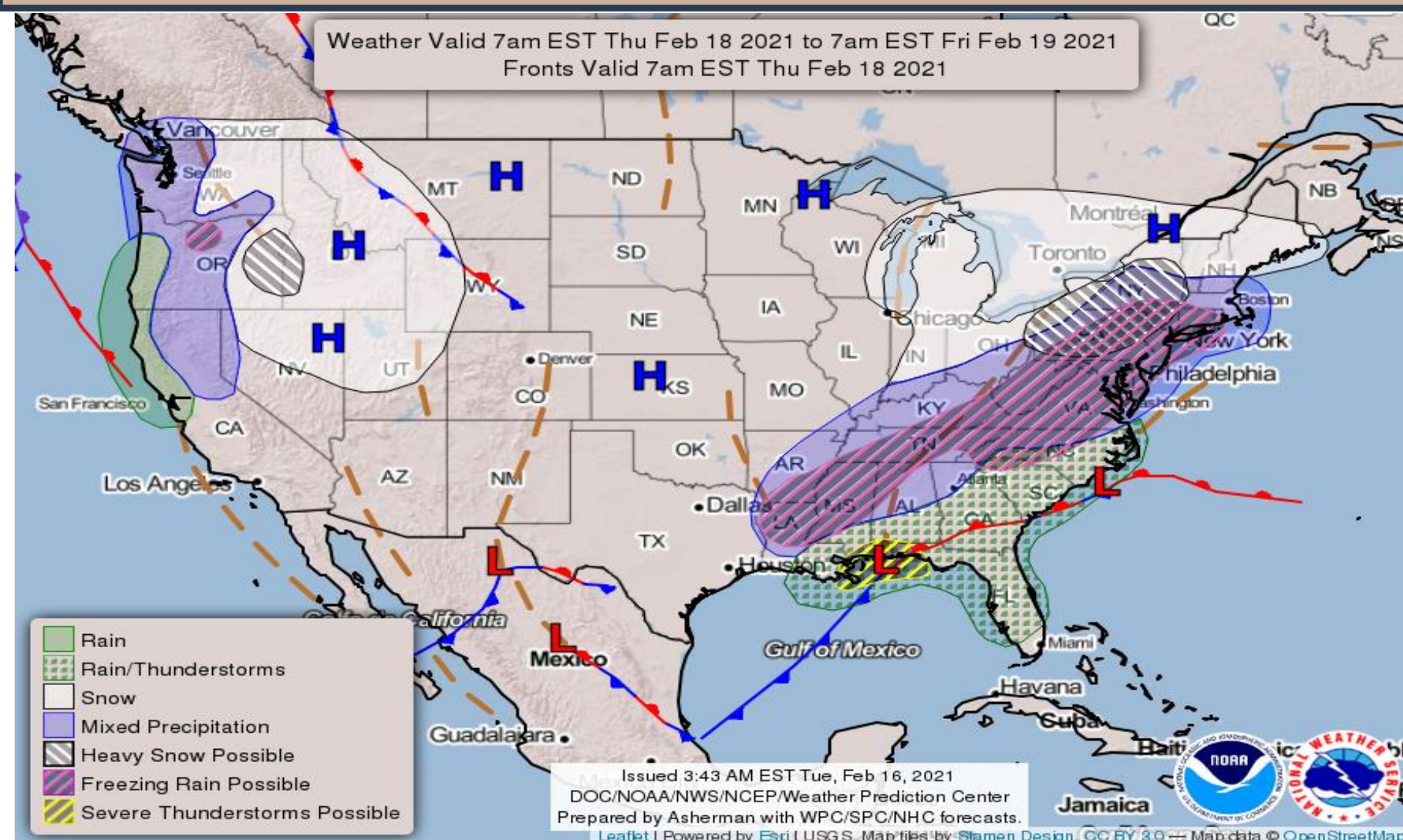
Isolated severe thunderstorms may occur beginning late Wednesday afternoon and continuing through the night across SE LA.

A couple tornadoes, damaging wind gusts, and perhaps some hail all appear possible.

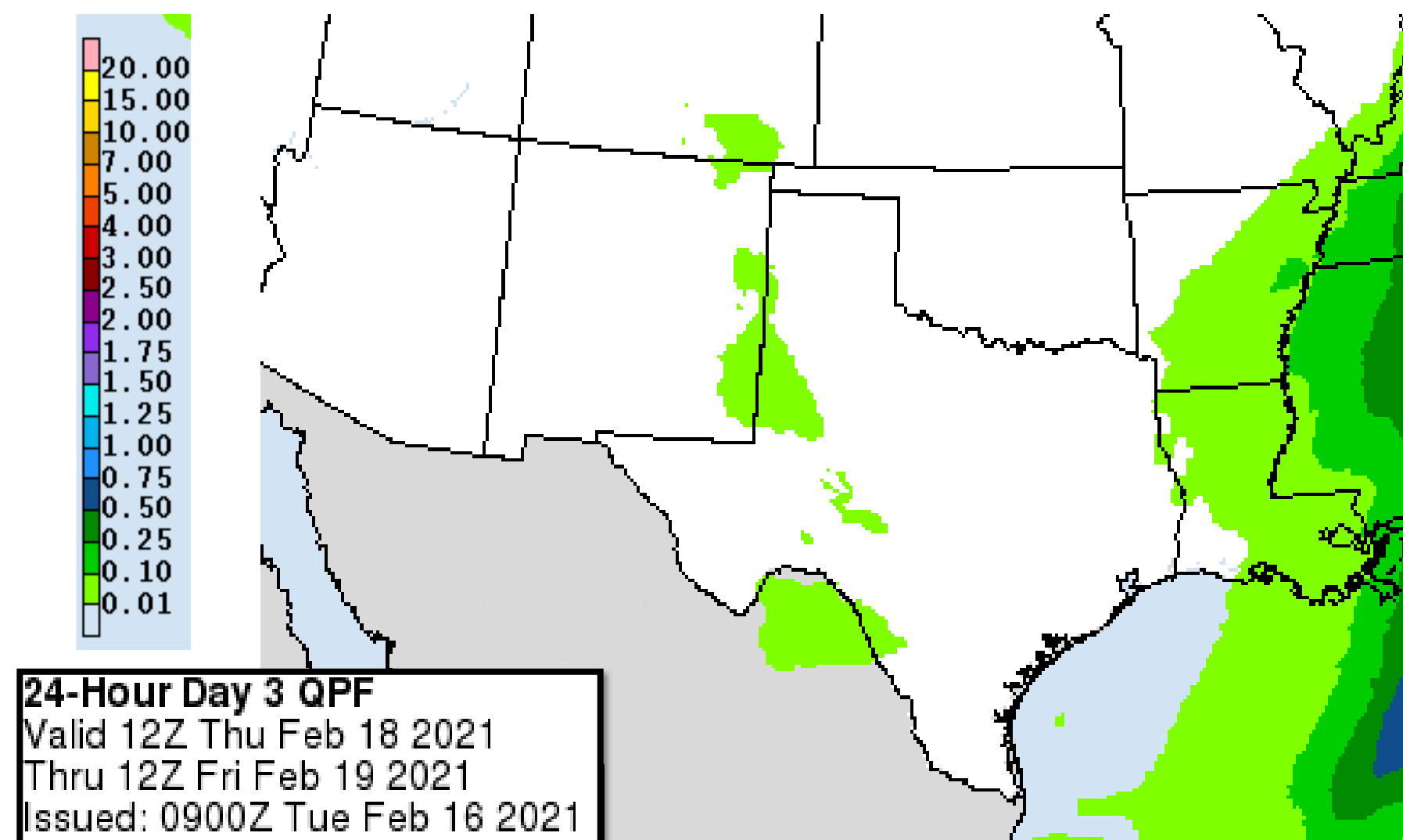


# Thursday's Weather

## Forecast Chart

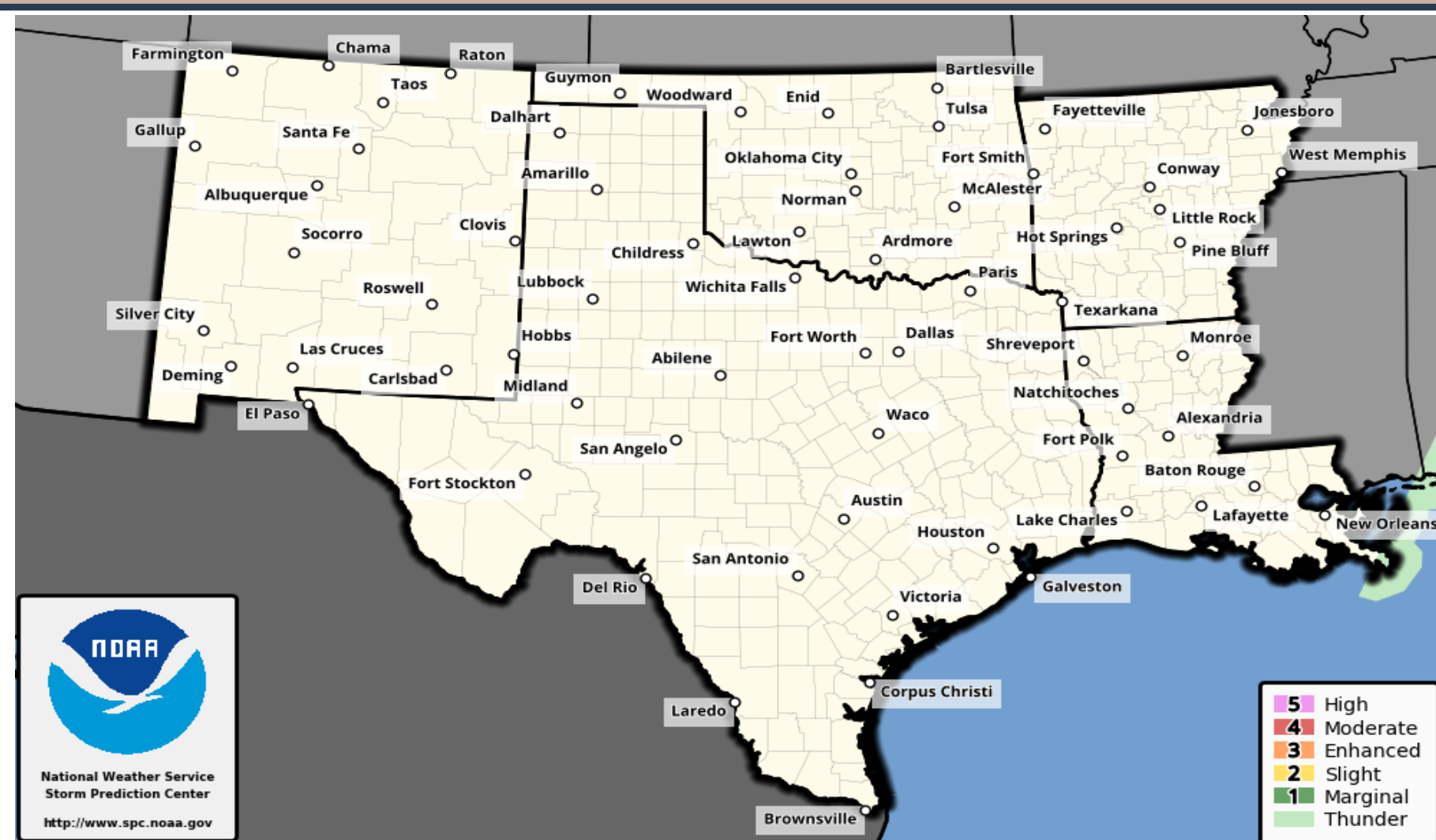


## Forecast Rainfall

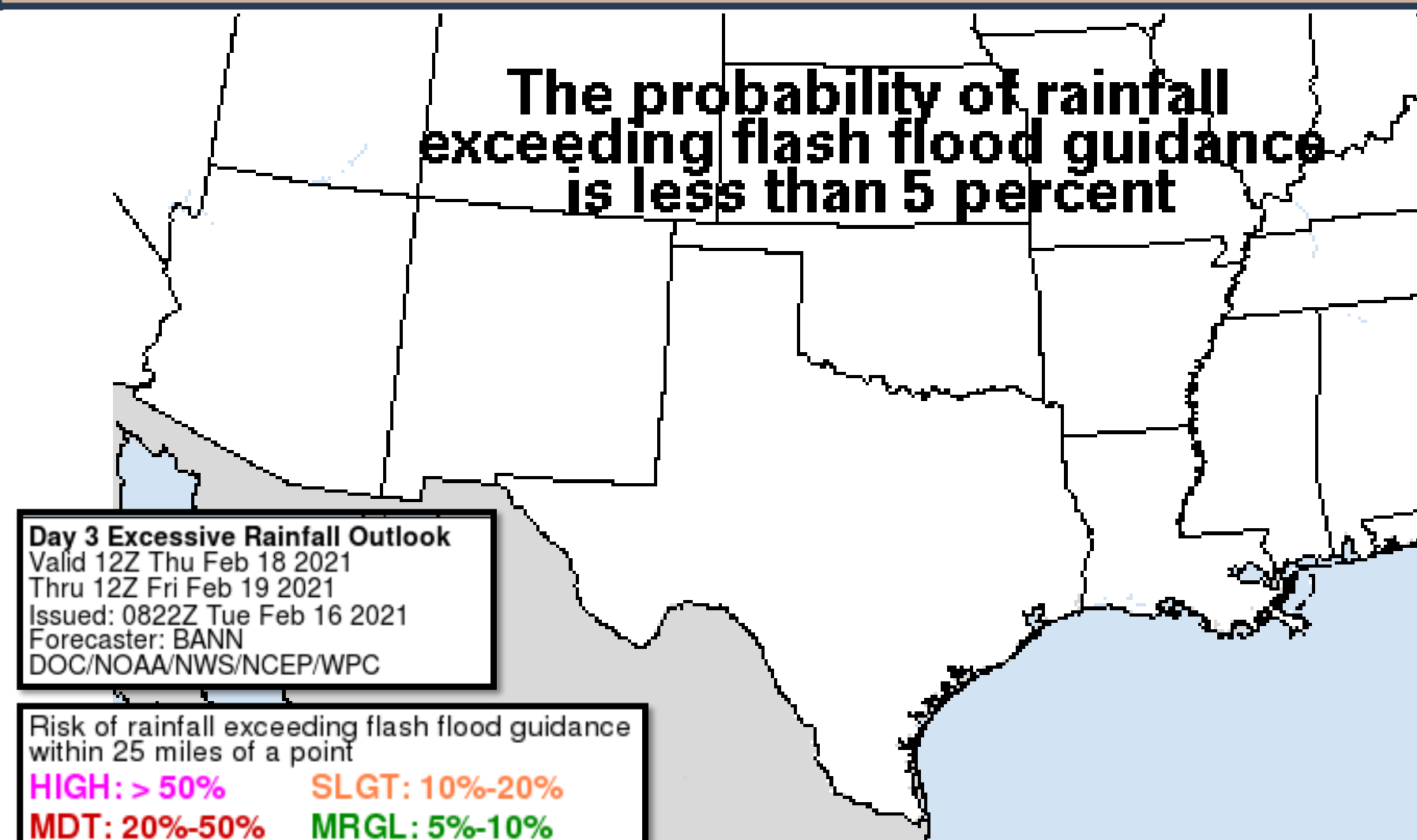


**Winter weather may linger over eastern portions of the Region on Thursday. Regardless, winter weather impacts will continue on Thursday for much of the Region due to continued cold temperatures.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



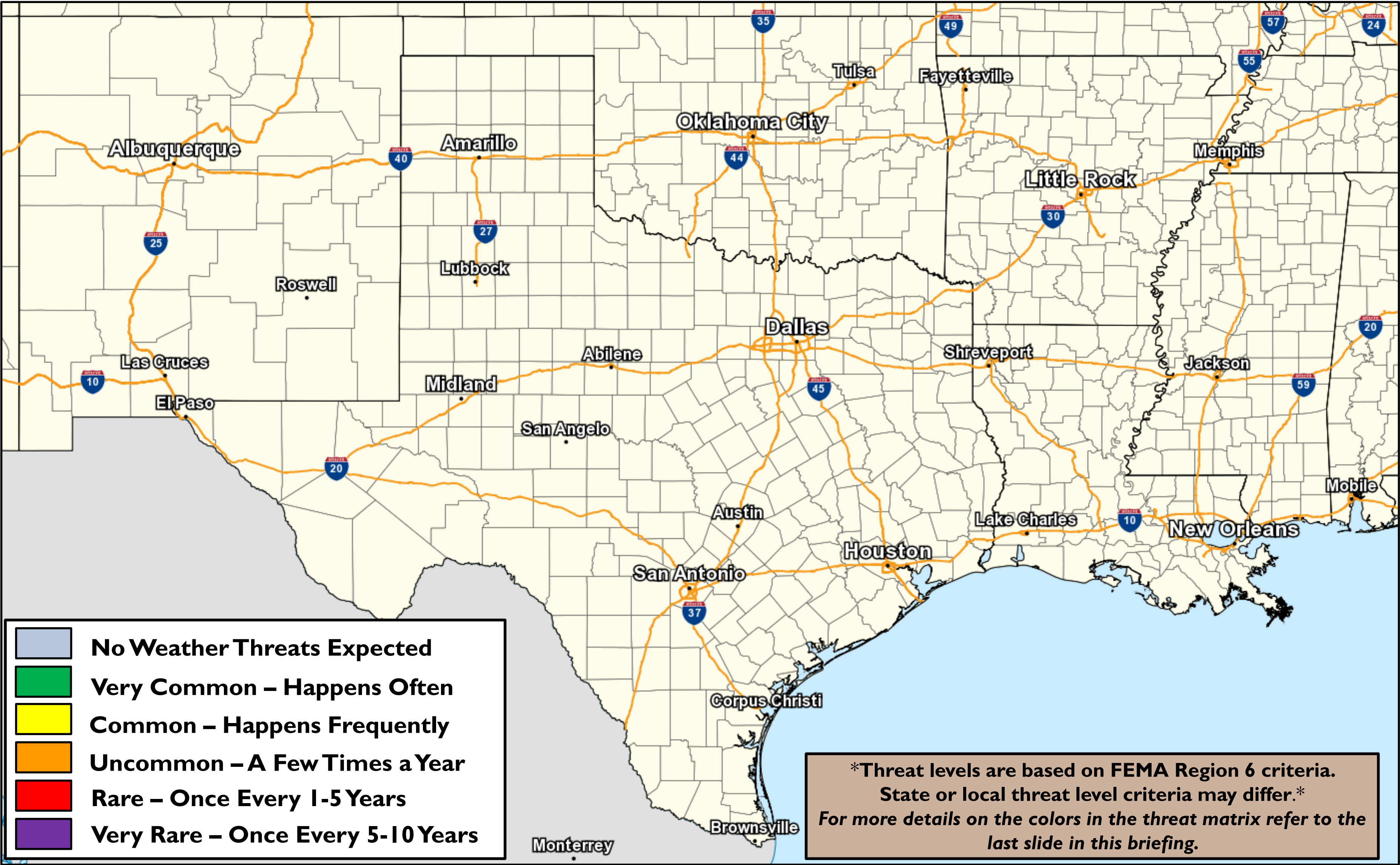


# Days 4-5 Weather Hazards

Friday - Saturday



SR ROC  
REGIONAL OPERATIONS CENTER



No significant weather expected.

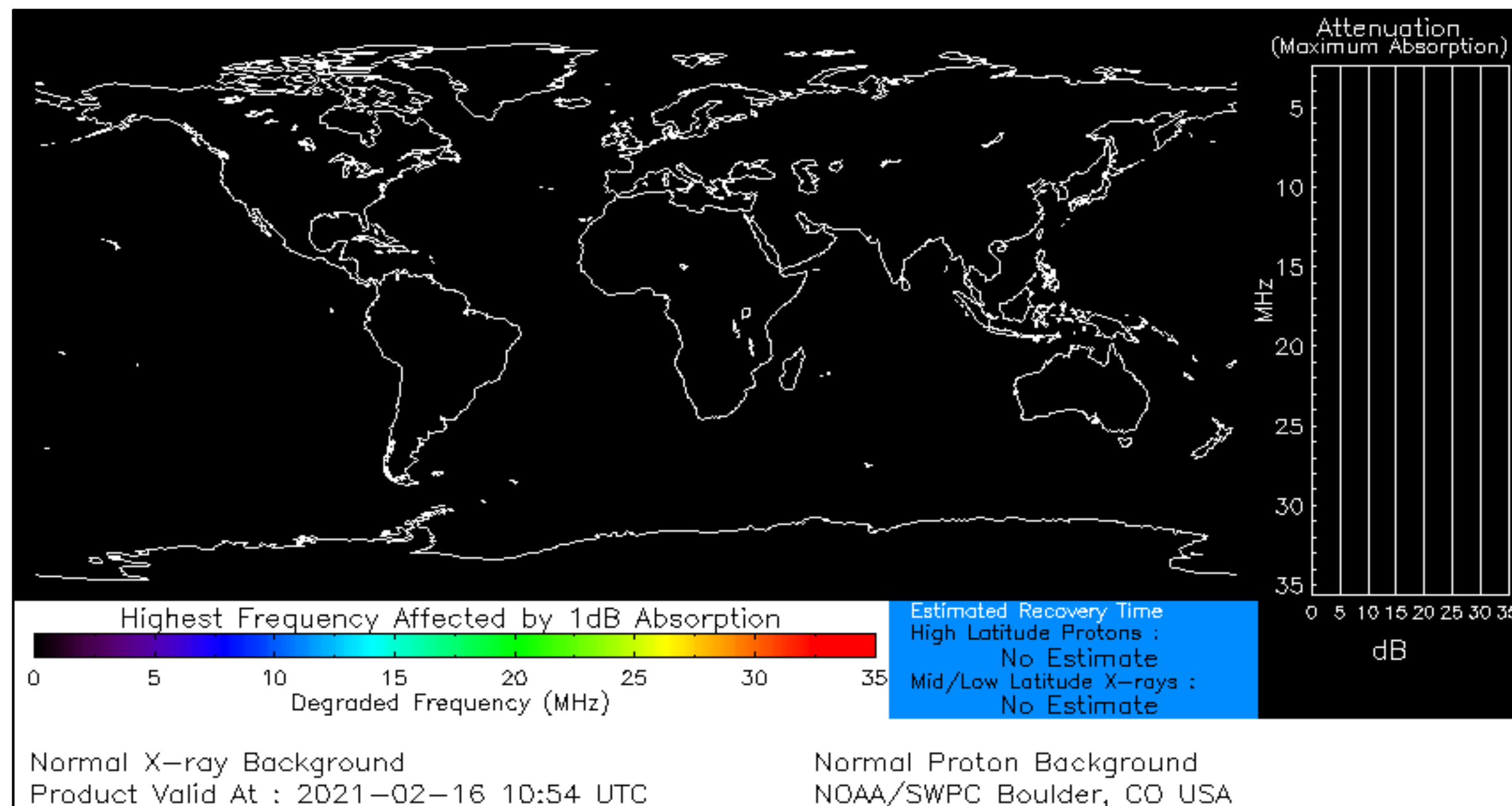


# Space Weather 3-Day Forecast



**SR ROC**  
REGIONAL OPERATIONS CENTER

	Tuesday	Wednesday	Thursday
<b>Geomagnetic Storms</b>	<b>Quiet (Max Kp =2)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>
<b>Radio Blackout (R1-R2)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>
<b>Radio Blackout (R3-R5)</b>	<b>1%</b>	<b>1%</b>	<b>1%</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			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	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	<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 <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	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	<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	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	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	<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	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	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	<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	<b>Very Rare – Once Every 5-10 Years</b> 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	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	<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)**