



FEMA



Prepared by
Mark Wiley

FEMA Region 6 Weather Threat Briefing

Monday February 12, 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.



NWSSouthern

www.weather.gov/srh



Summary of the Upcoming Week

- **Travel impacts mainly this morning from E NM into NW AR across areas that have received recent snowfall.**
- **Heavy rainfall possible over south TX Thursday and Friday.**
- **Minor river flooding across E TX, AR, and LA through the week.**



FEMA Region 6 Threat Matrix

Feb 12, 2024 - Feb 16, 2024

DAY / THREAT	Mon	Tue	Wed	Thu	Fri
Severe Storms					
Heavy Rain / Flash Flooding				STX	STX
Fire Weather					
Cold					
Winds					
Winter Weather Impacts	E NM through NW AR (A.M.)				
River Flooding	ETX, LA, AR	ETX, LA, AR	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

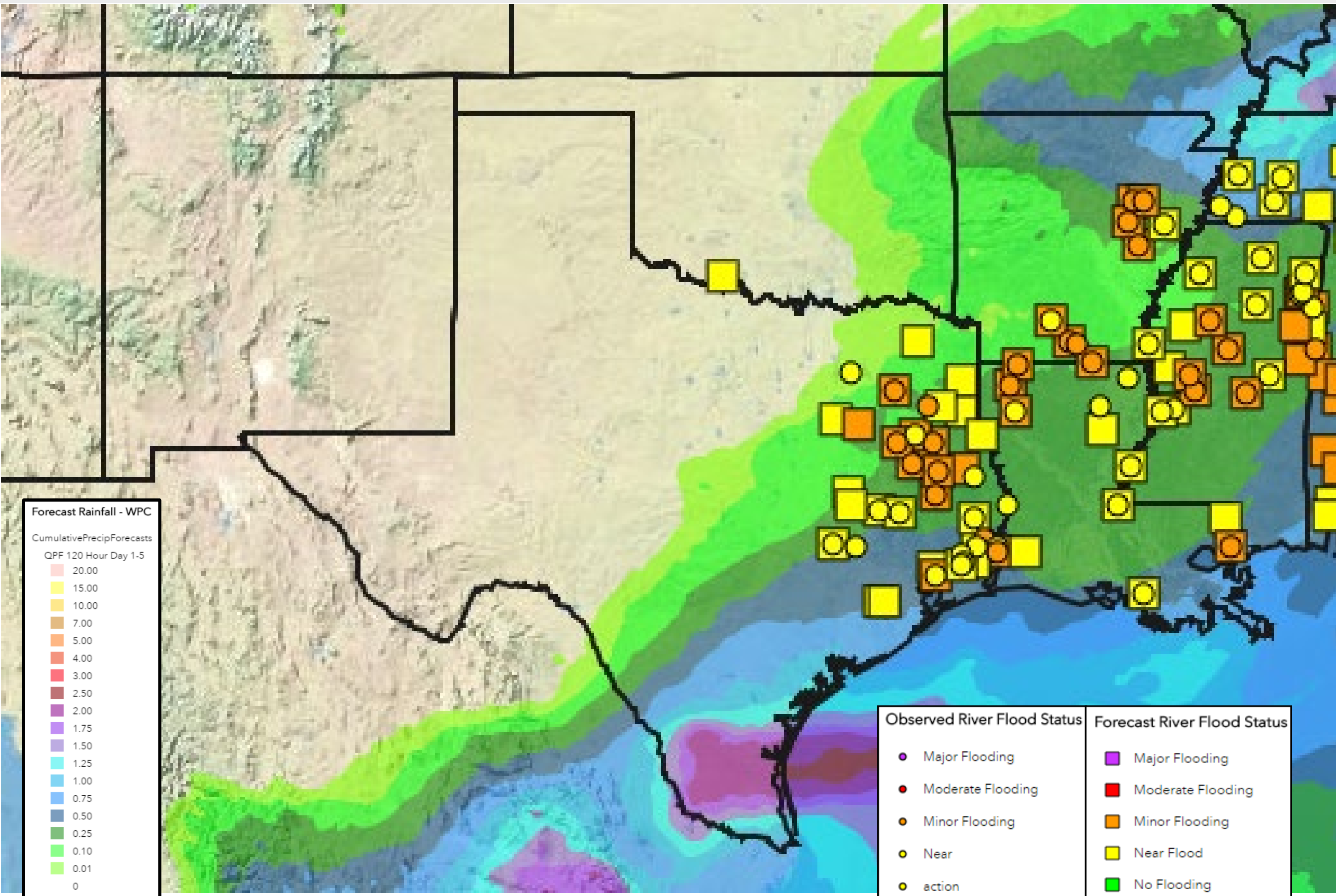
Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

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



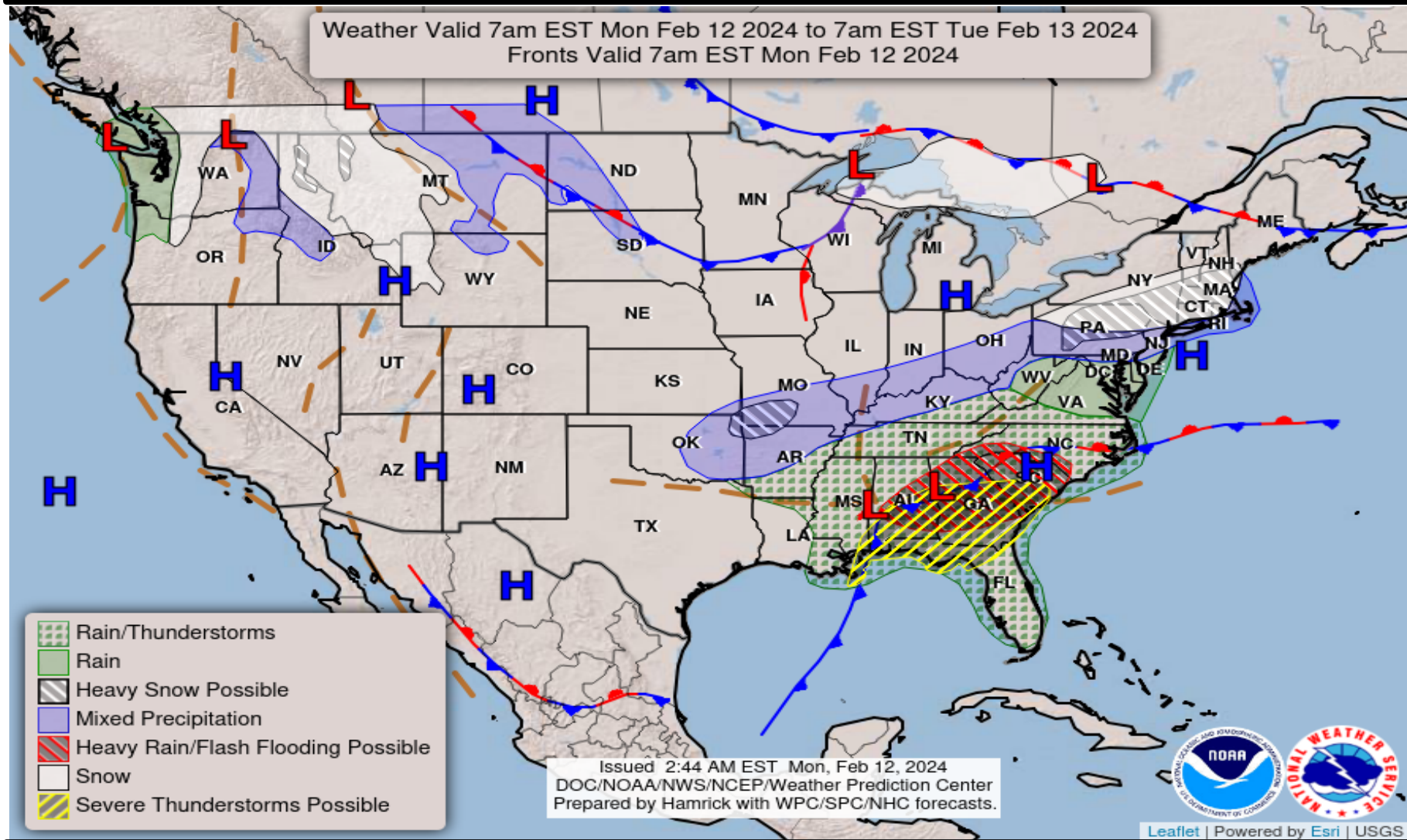
Minor river flooding across E TX, AR and LA. Impacts to secondary roads and agricultural and recreational areas.

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

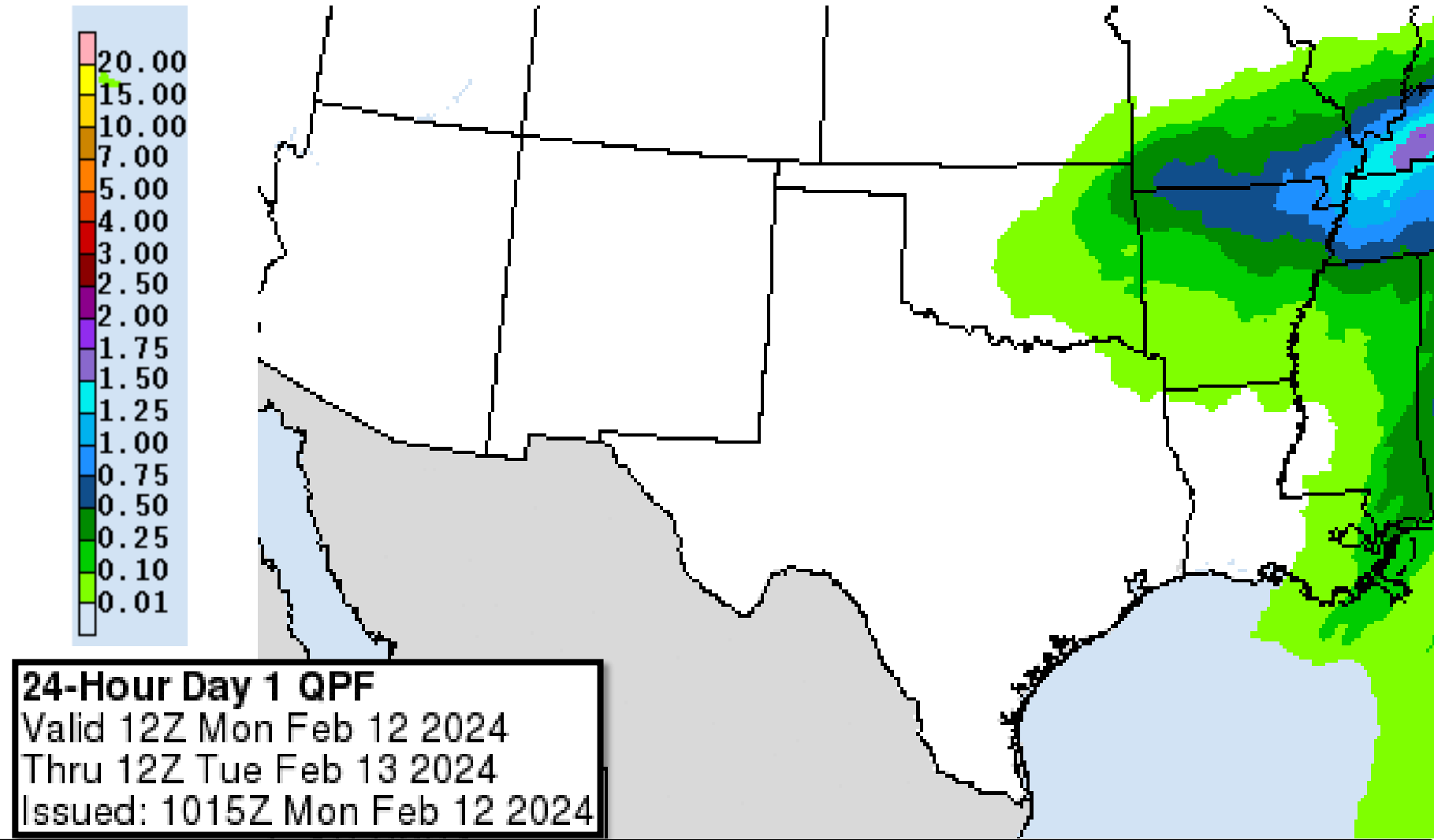


Today's Weather

Forecast Chart

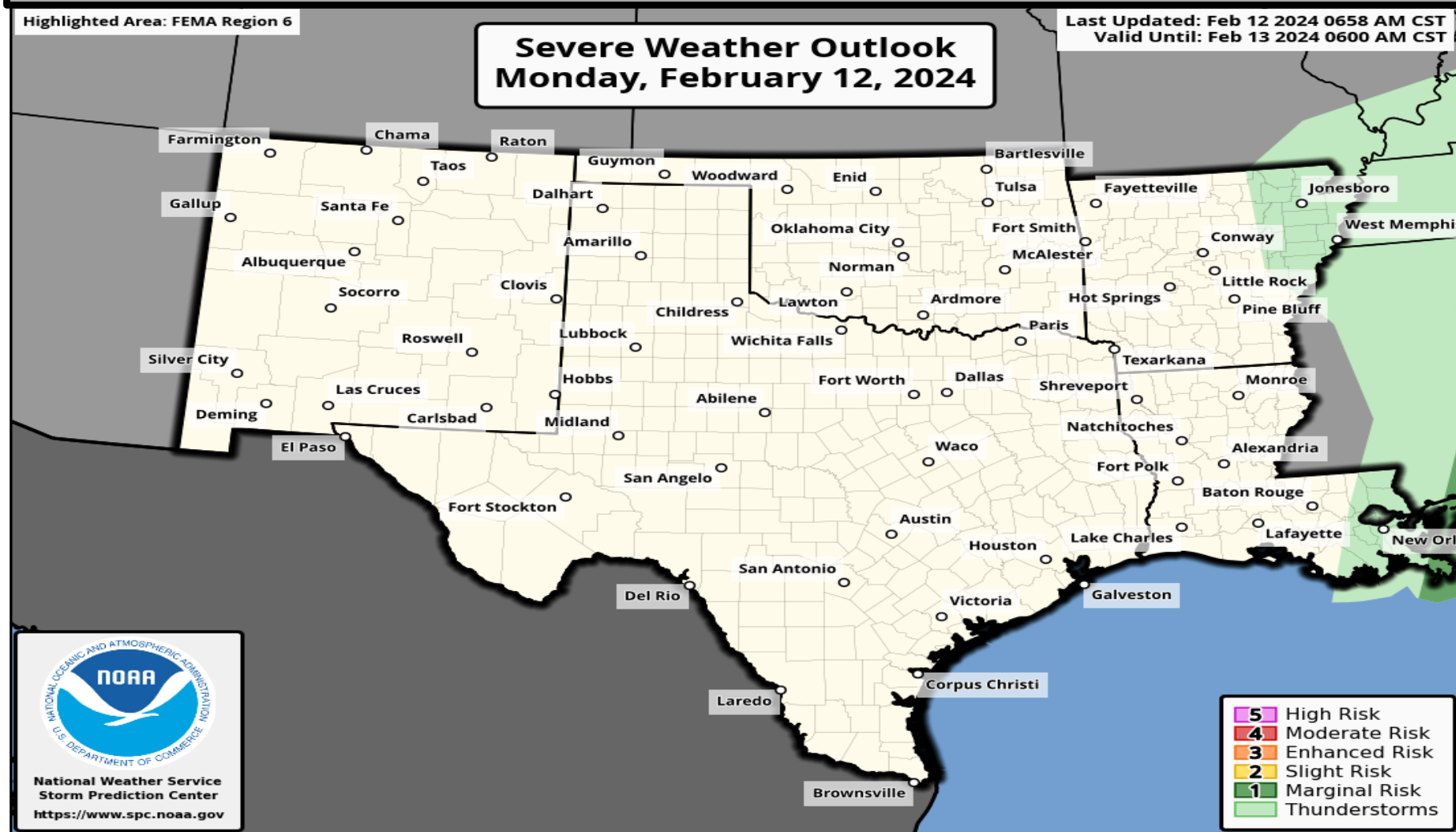


Forecast Rainfall

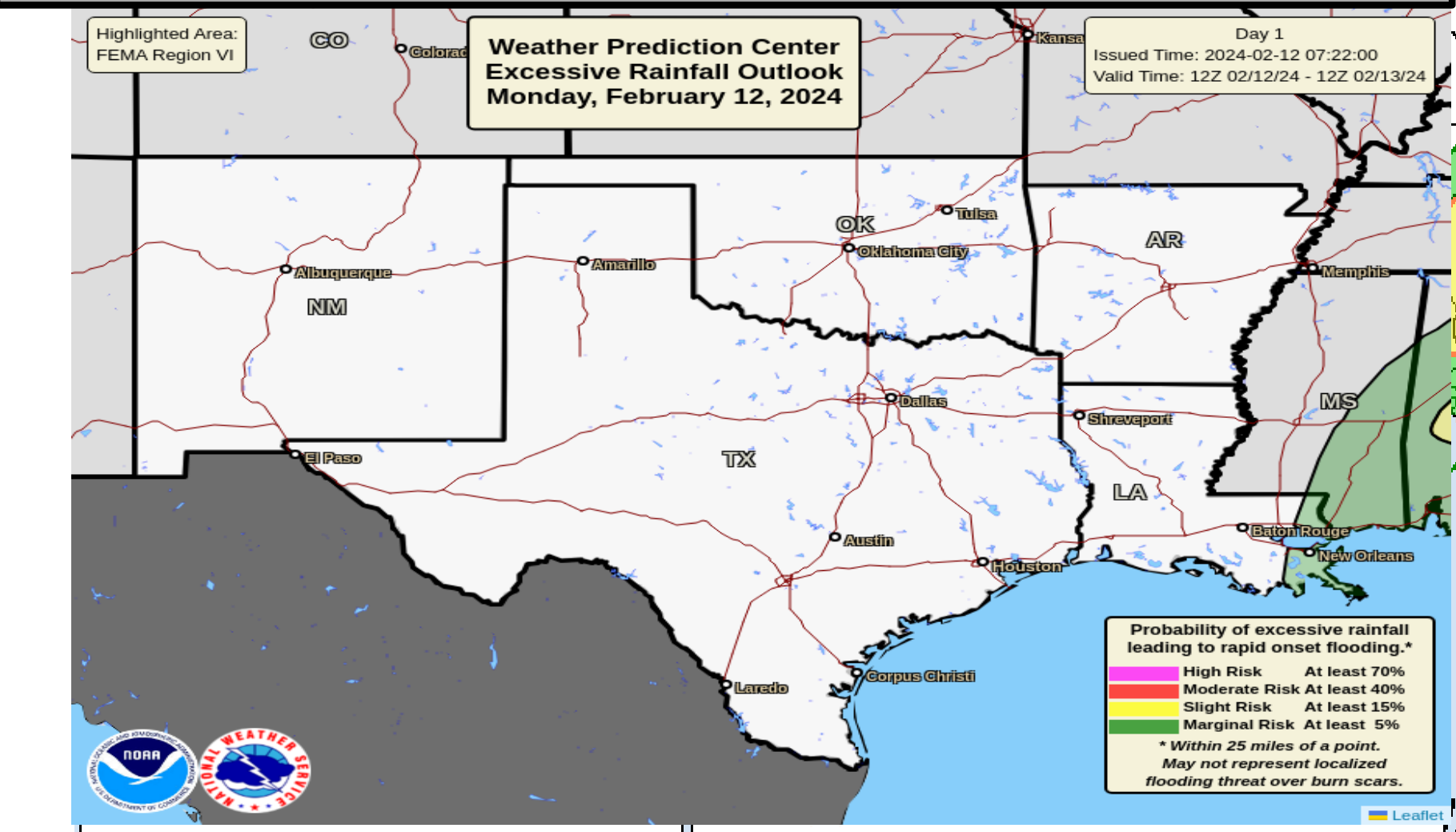


Morning travel impacts over areas that received snowfall from NM into NW AR.

Severe Weather Outlook

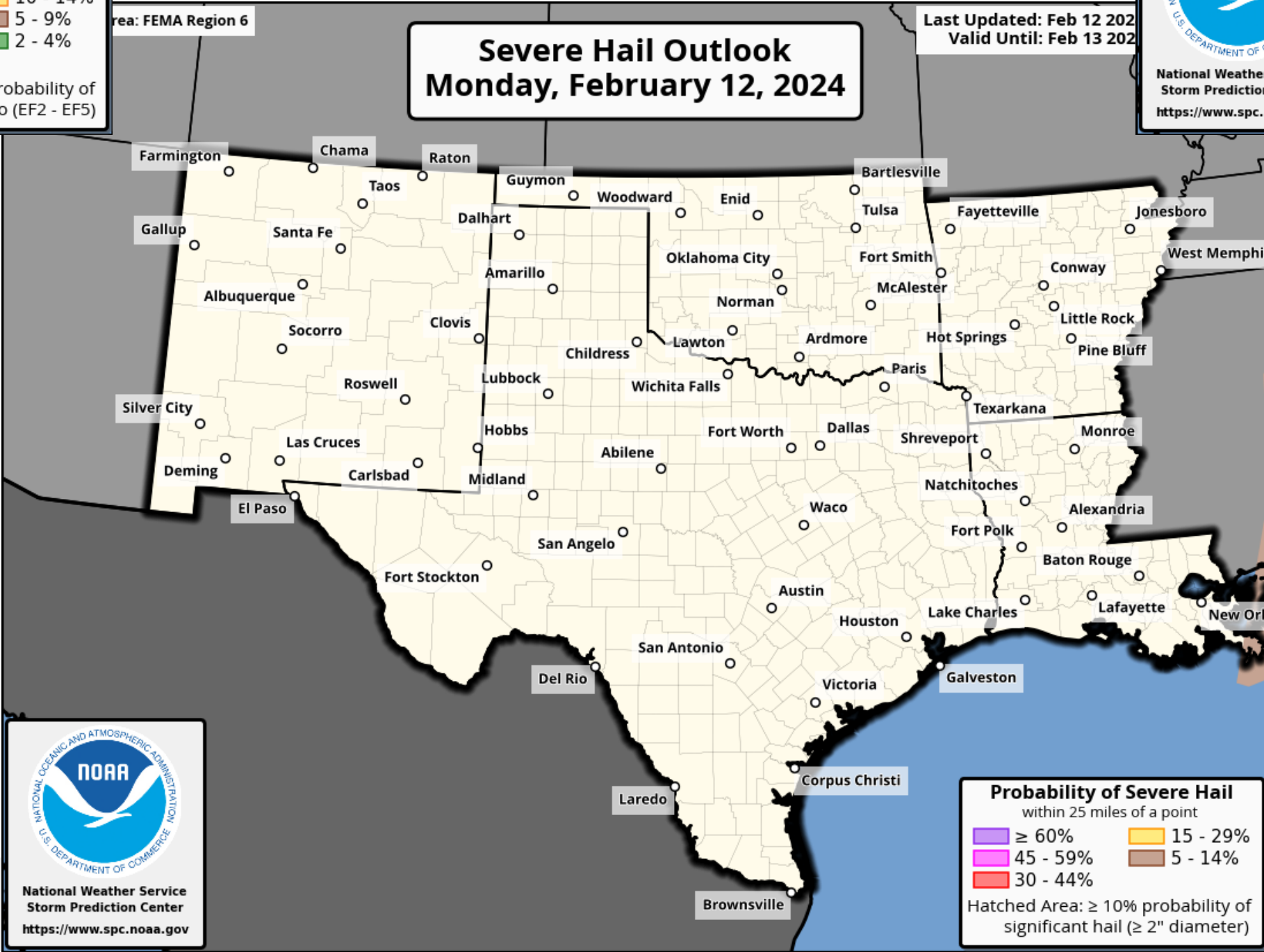
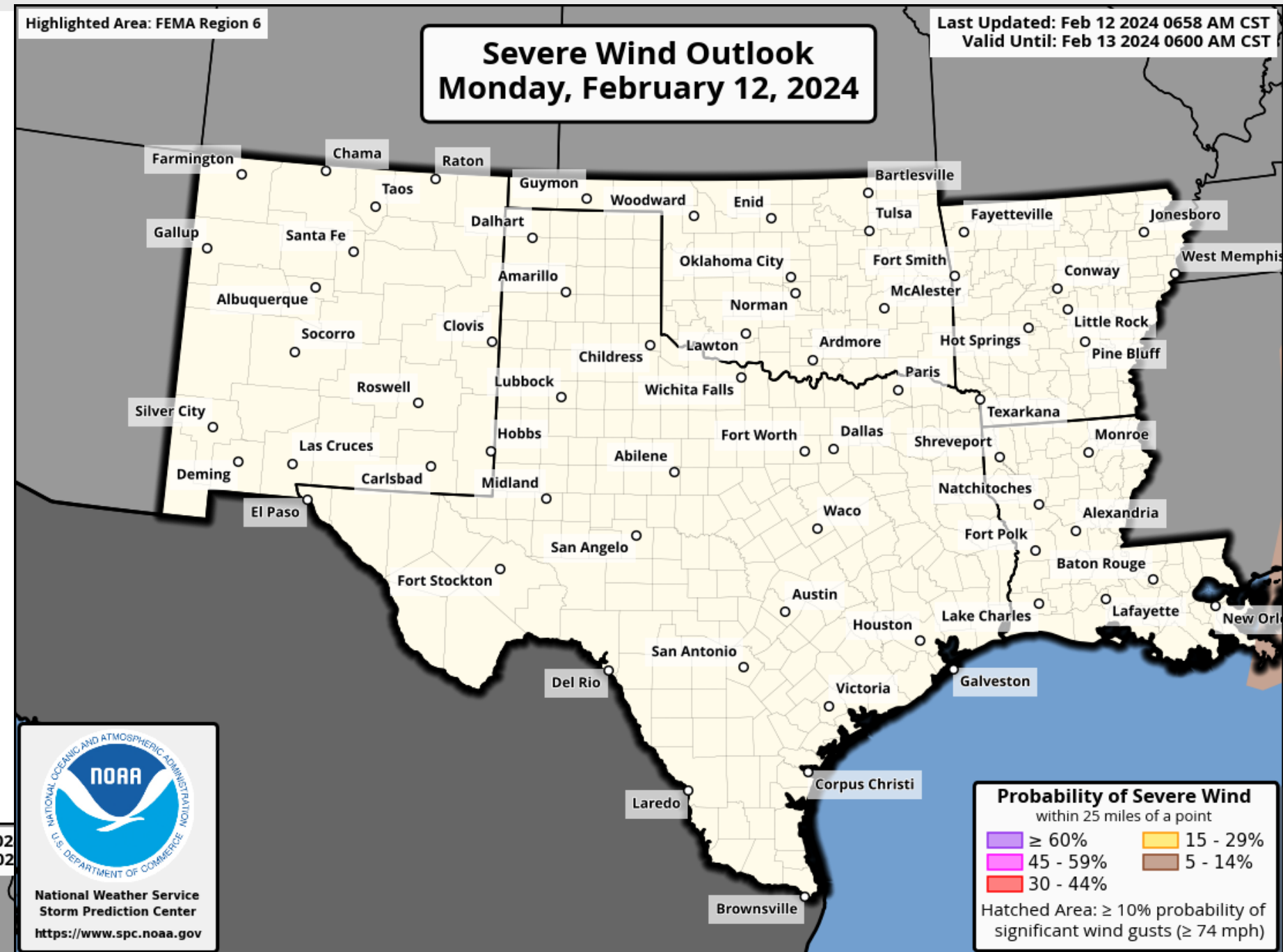
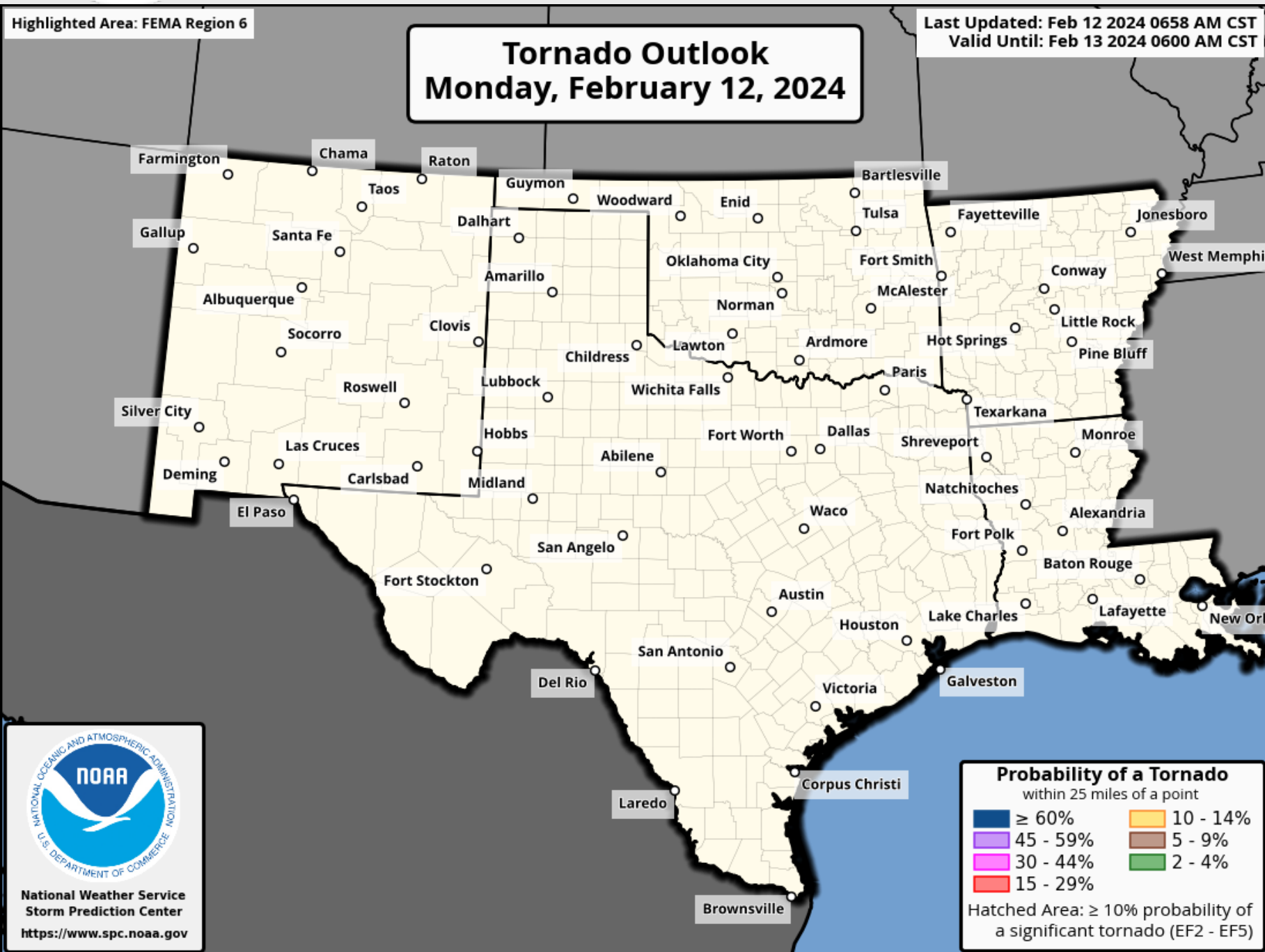


Excessive Rainfall Outlook





Today's Tornado & Severe Wind / Hail Probabilities

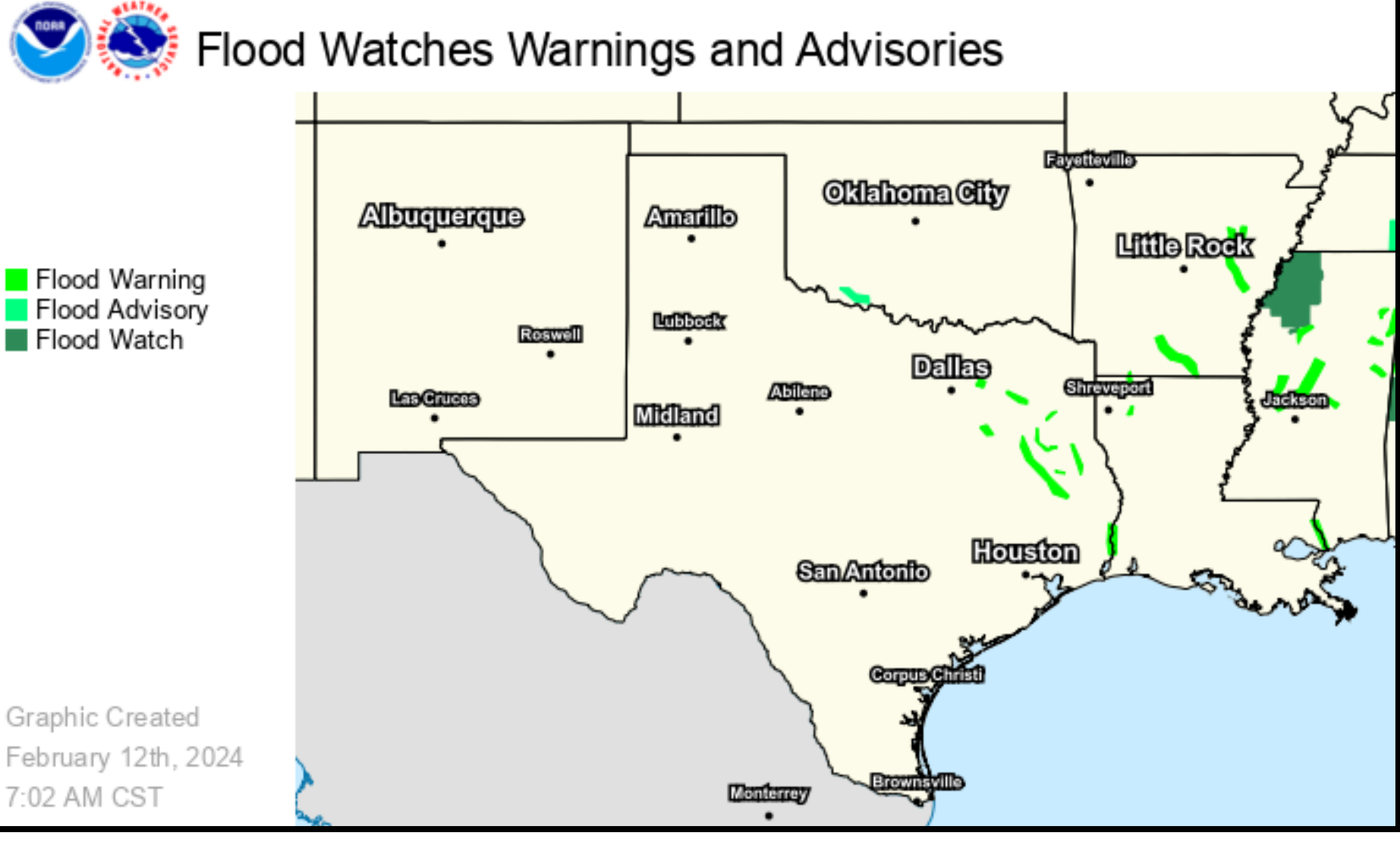
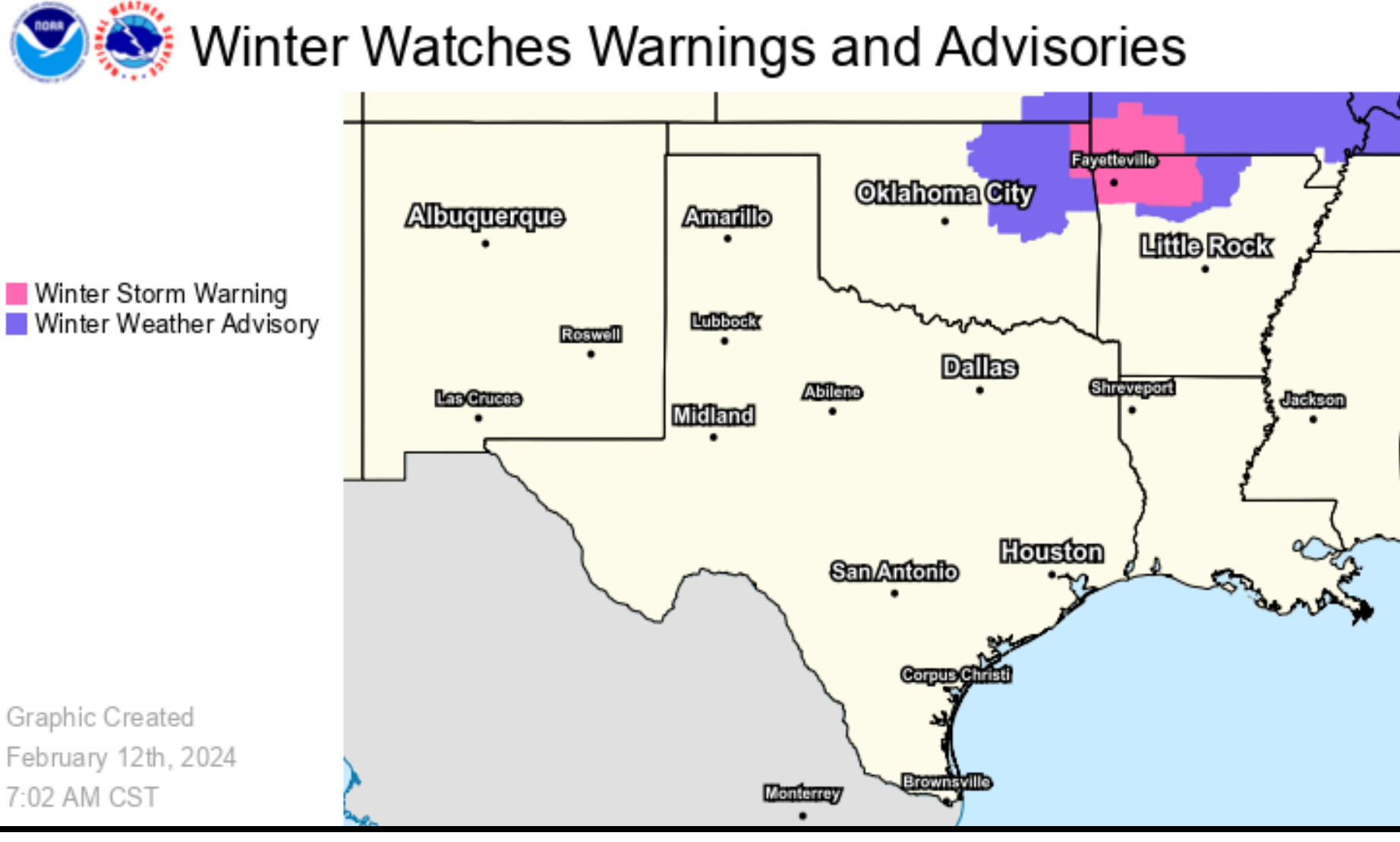
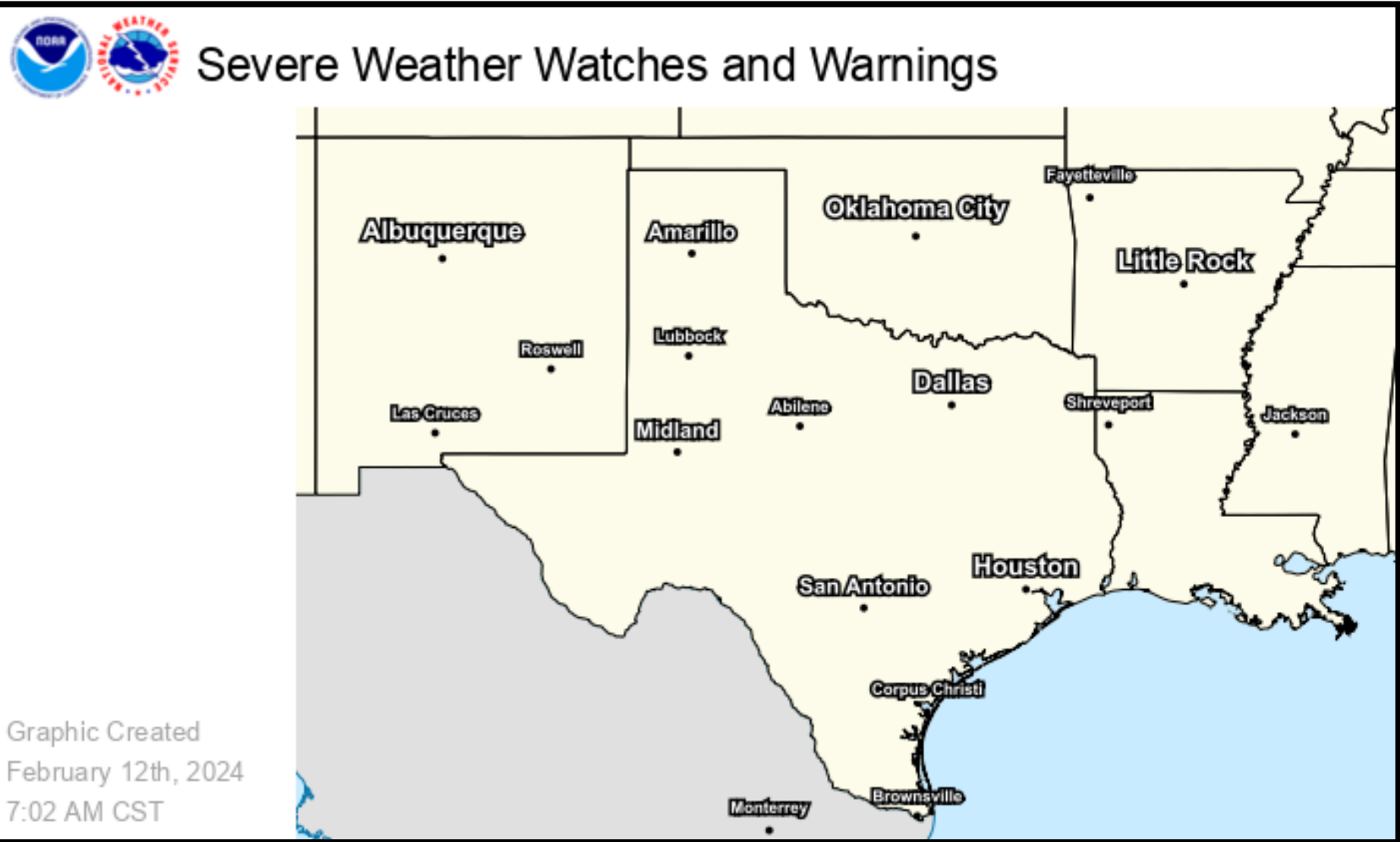
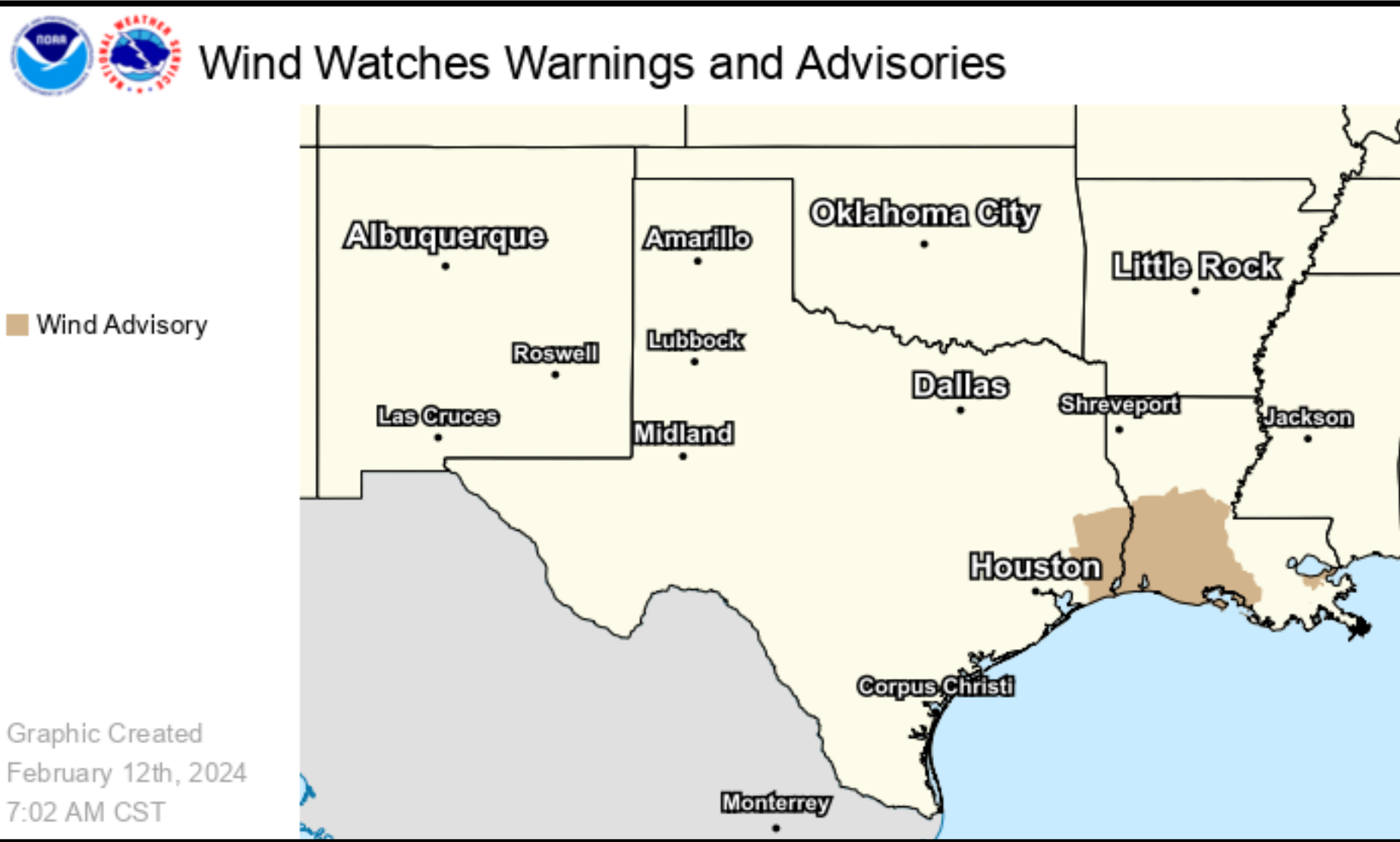




Watches, Warnings, and Advisories

Wind, Severe, Winter, and Flood Hazards

**Winter Storm
Warnings/Advisories today
across NE OK/NW AR**





Winter Weather

Monday - Wednesday

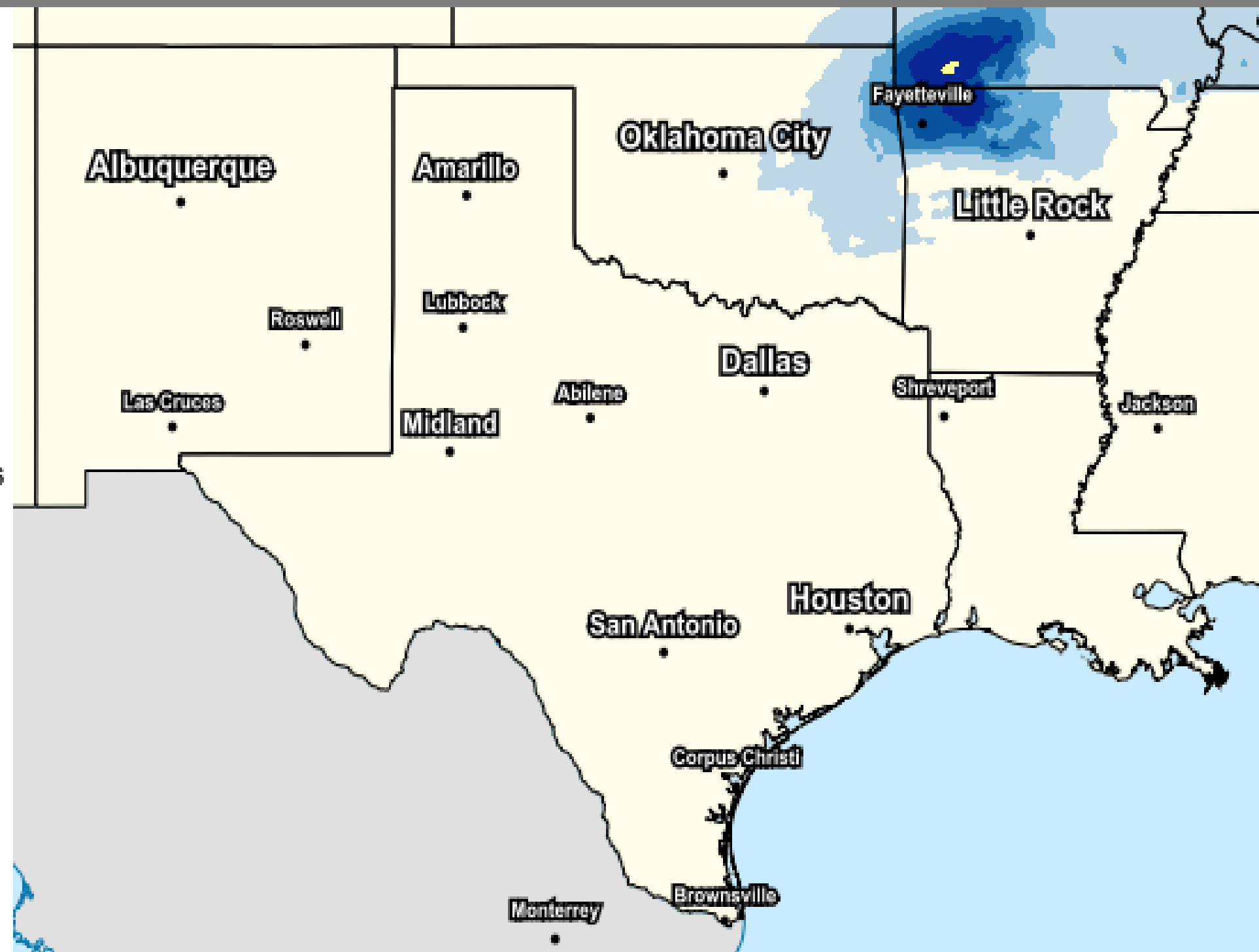
Forecast Snow Amounts



Forecast Snowfall

Valid Ending Thursday February 15th, 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 12th, 2024
6:21 AM CST

Forecast Ice Amounts



Ice Accumulation Forecast

Valid Ending Thursday February 15th, 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

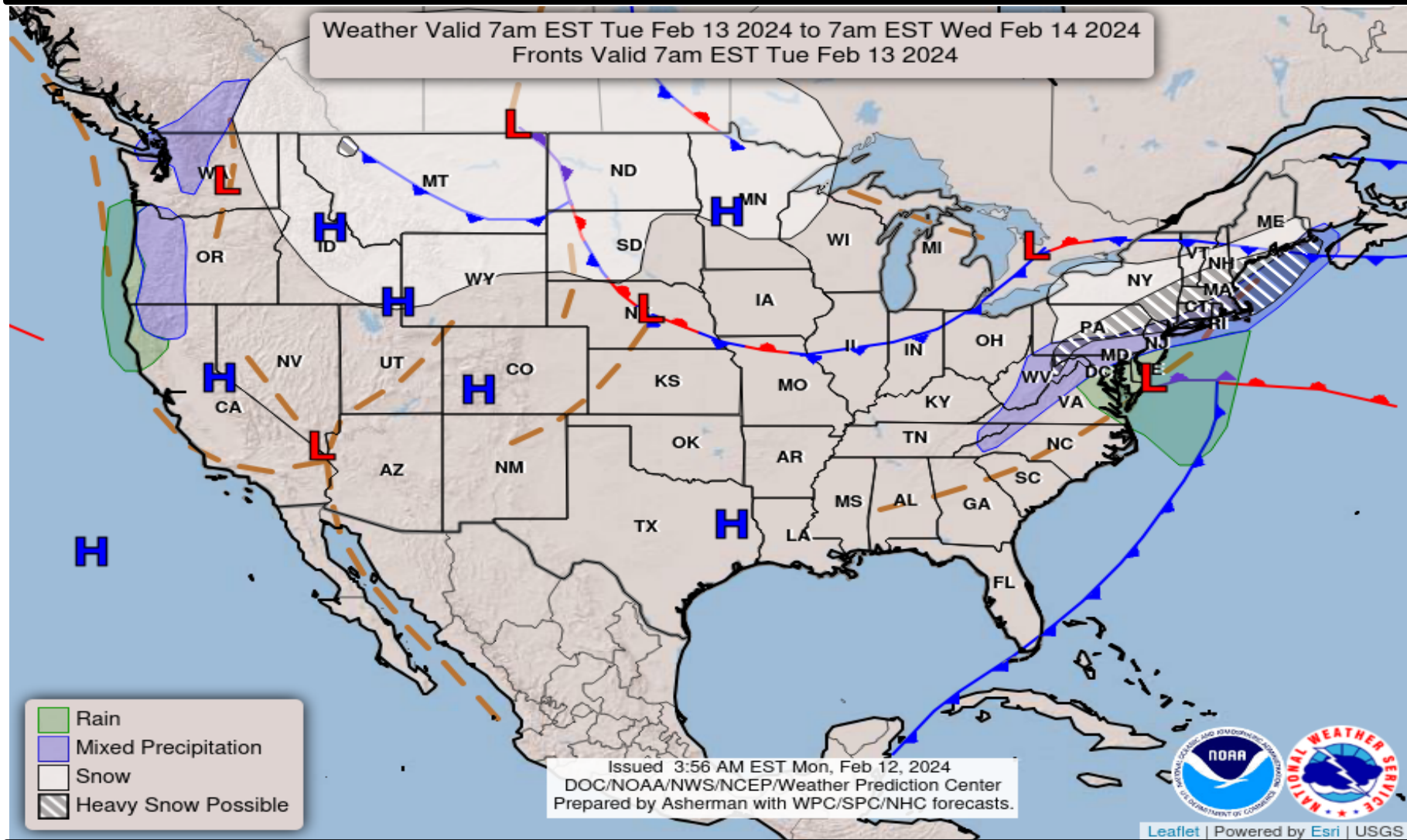


Graphic Created
February 12th, 2024
6:22 AM CST

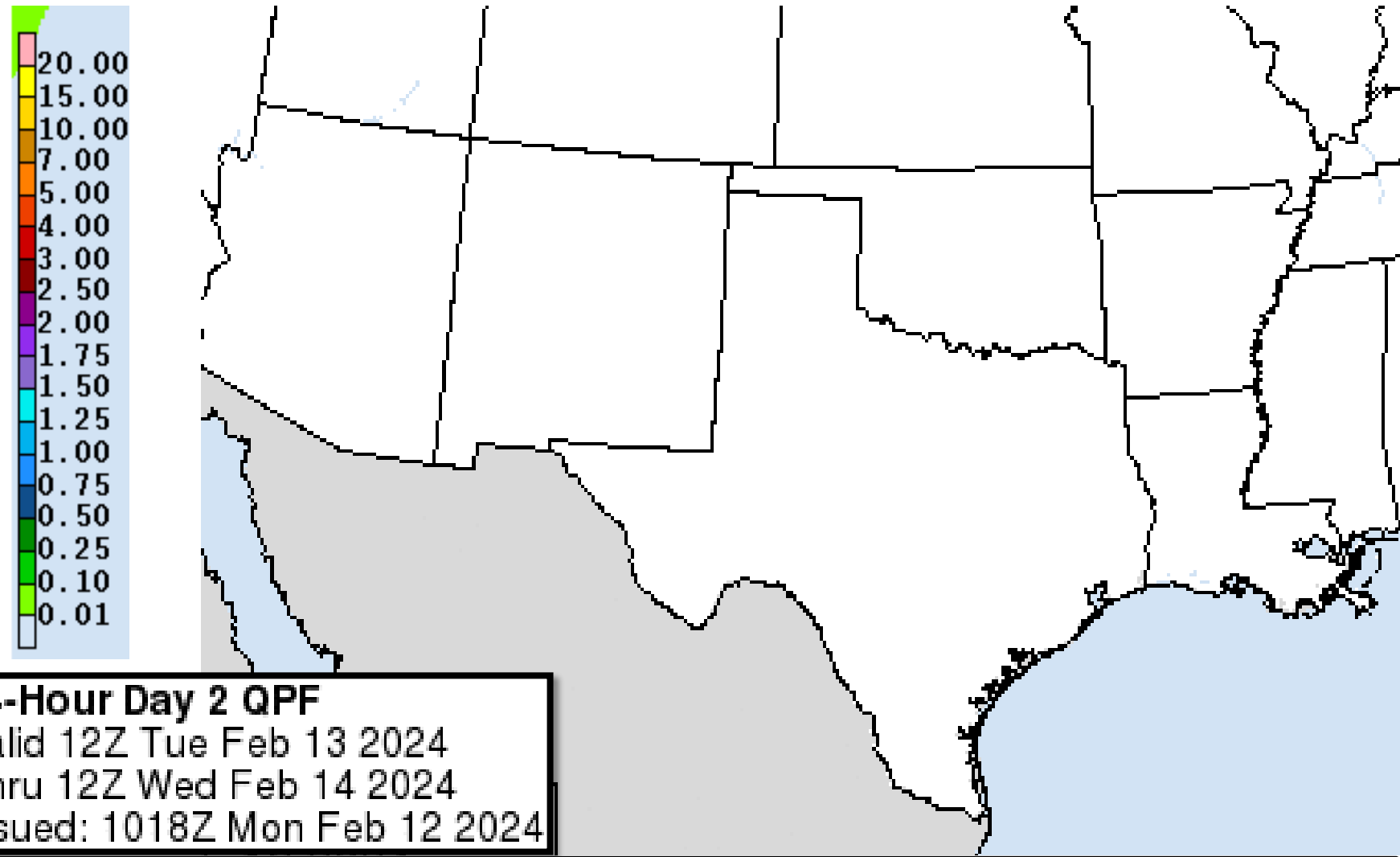


Tomorrow's Weather

Forecast Chart

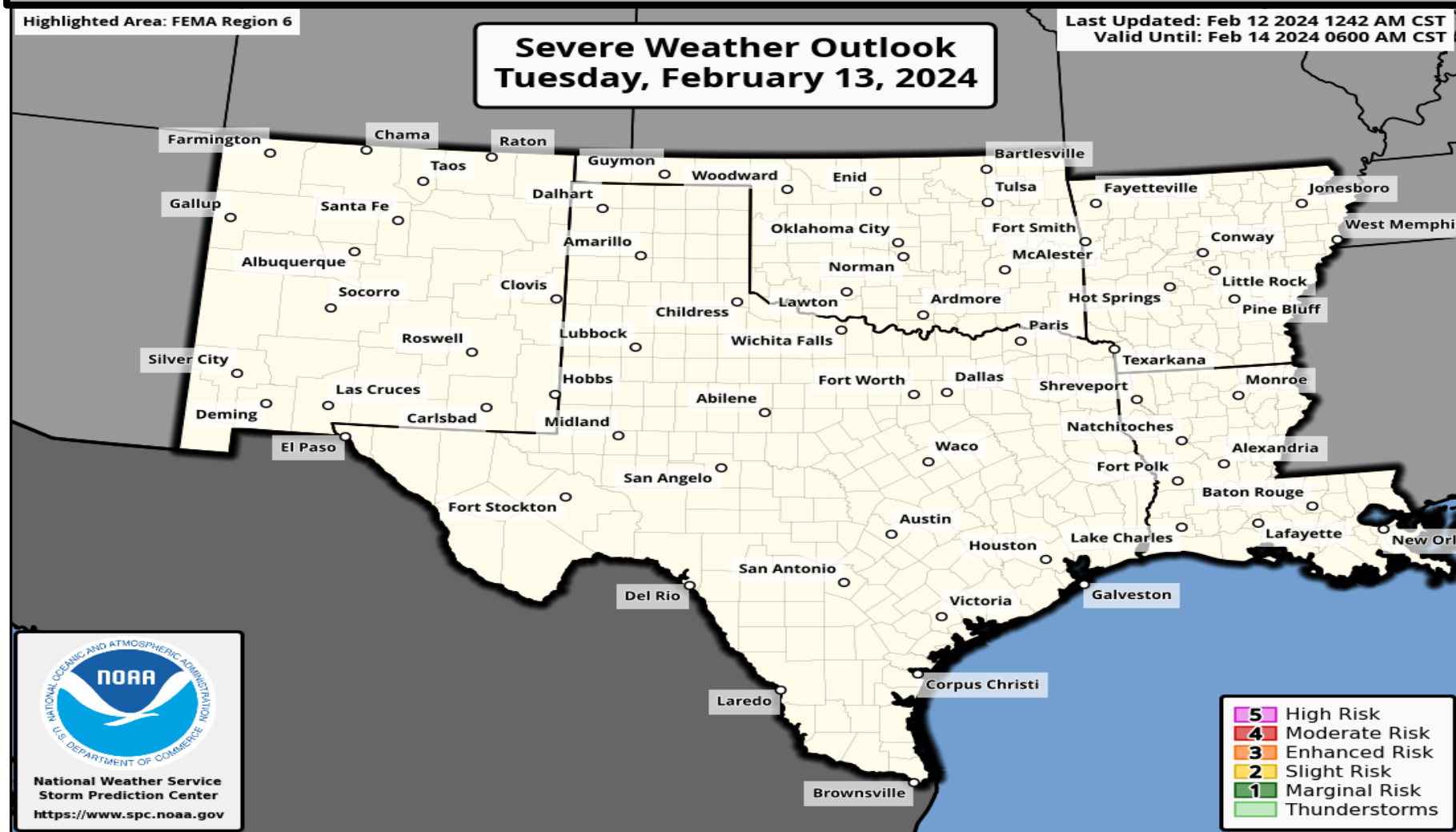


Forecast Rainfall

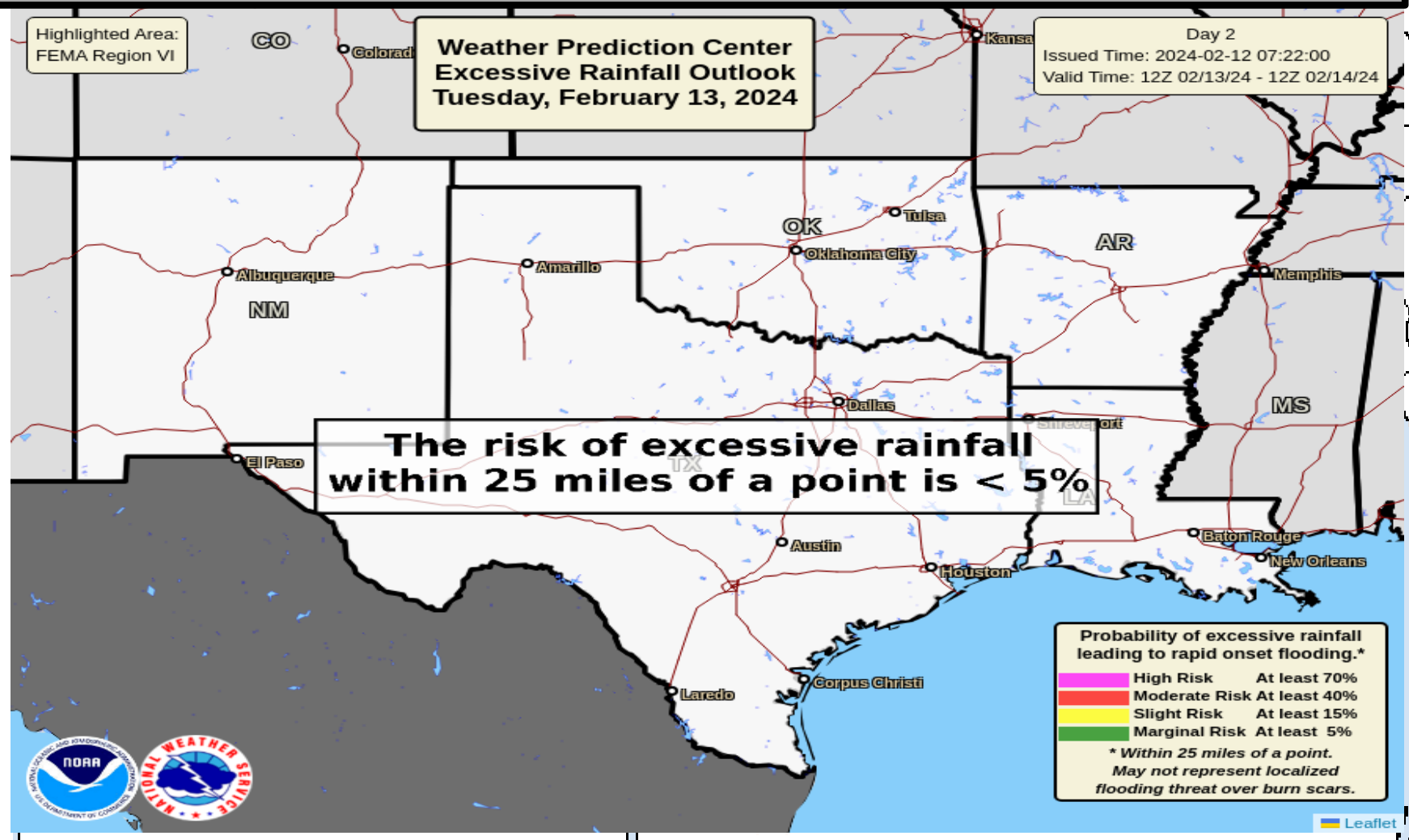


No significant weather expected.

Severe Weather Outlook

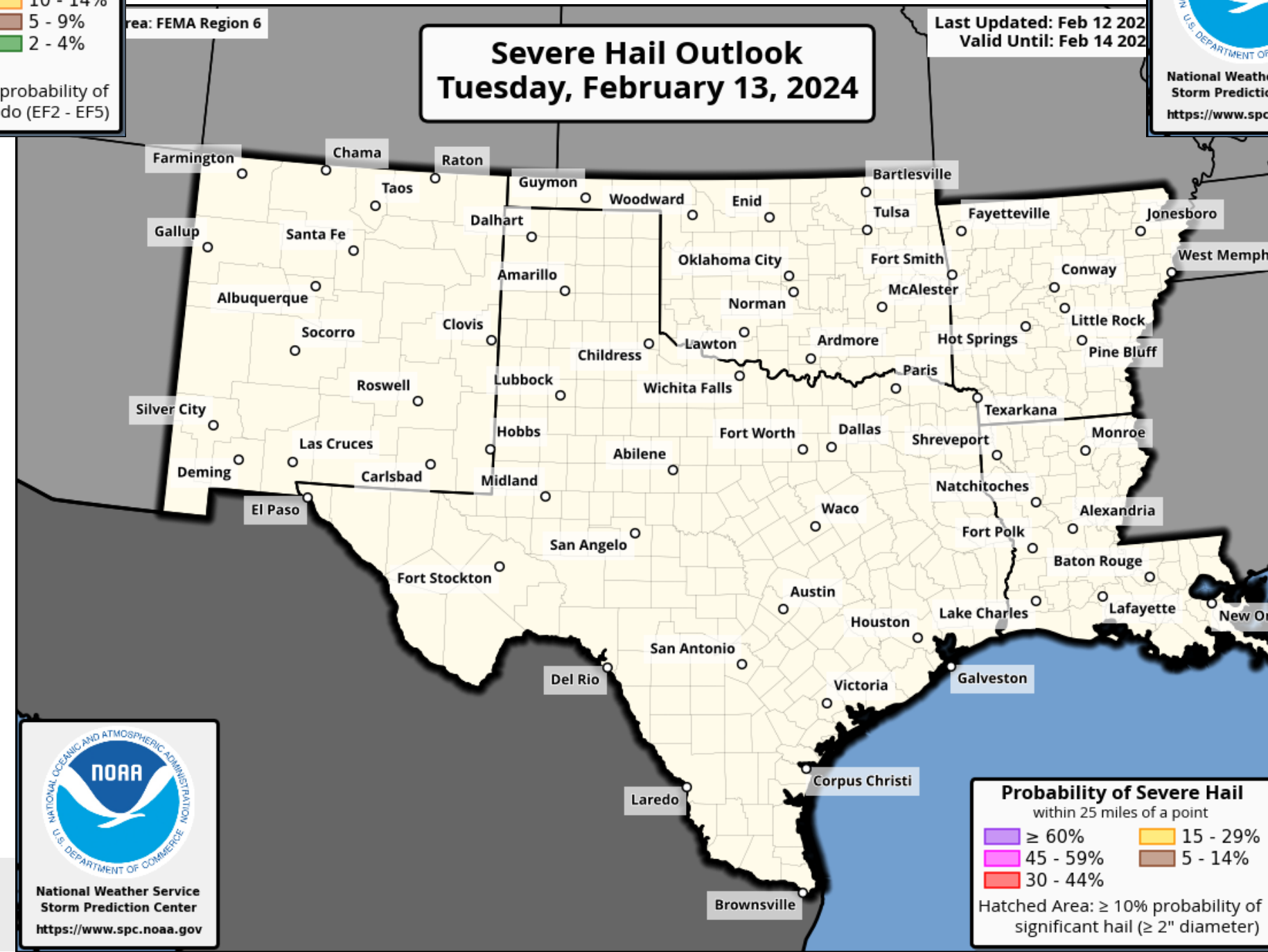
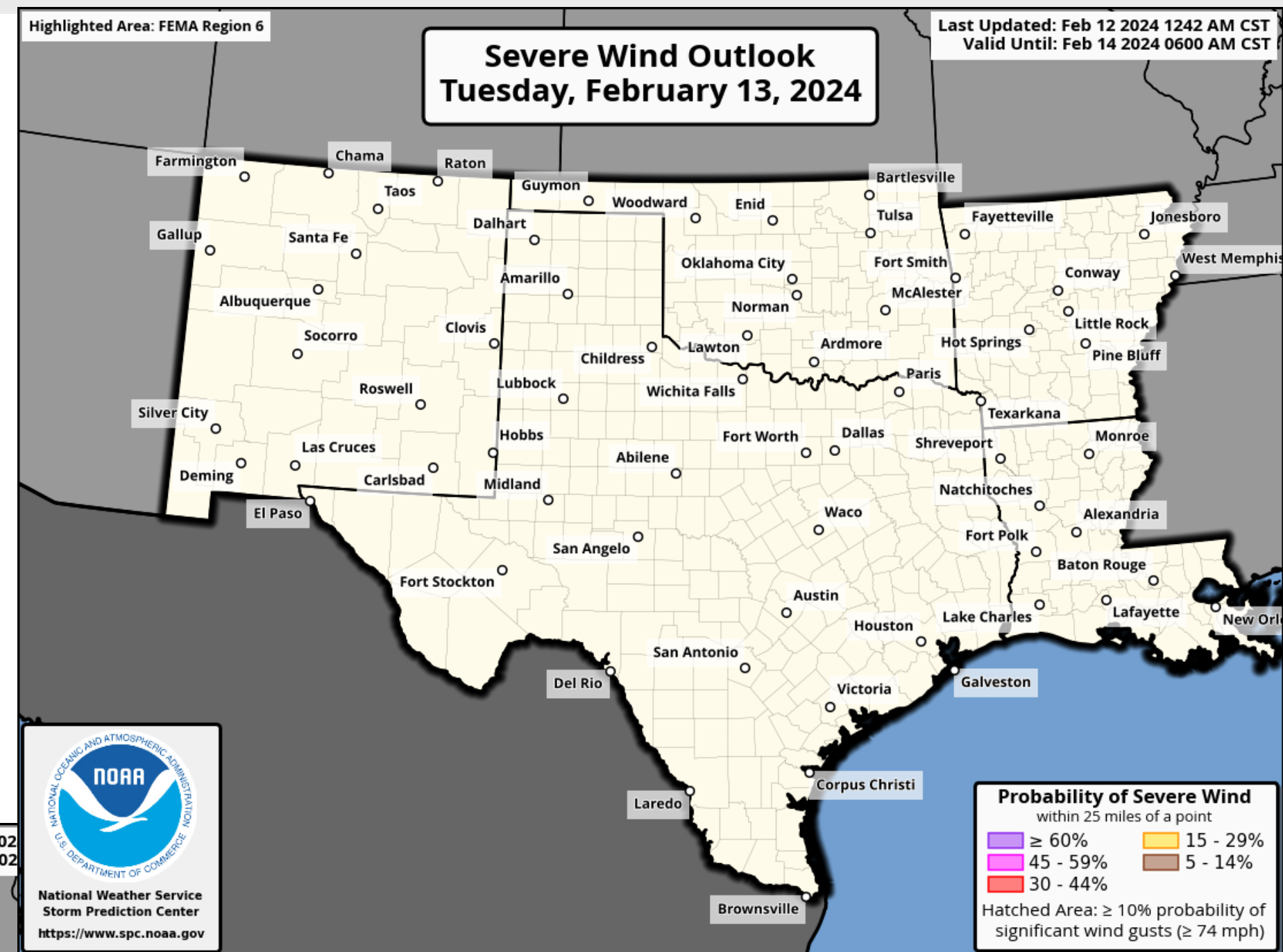
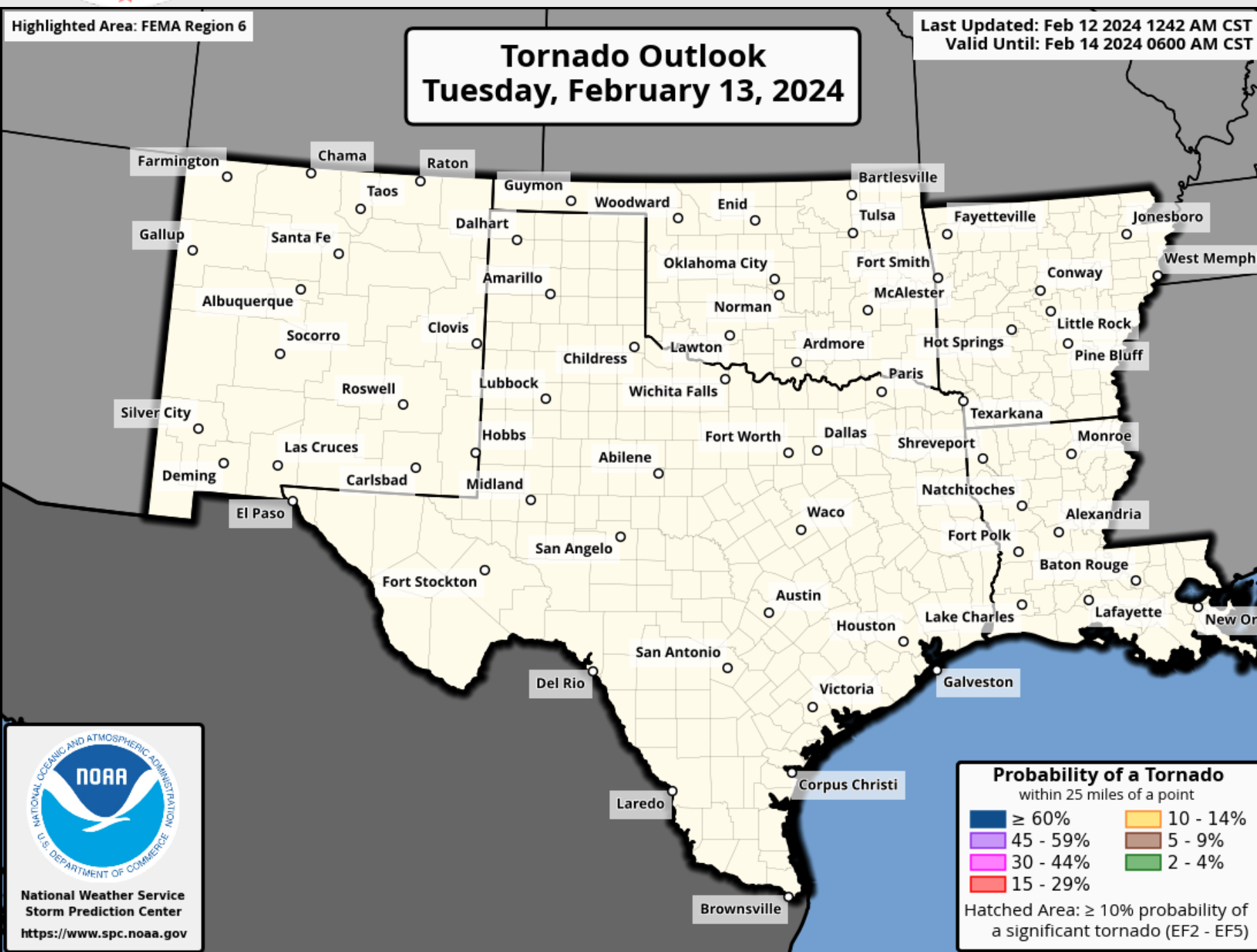


Excessive Rainfall Outlook





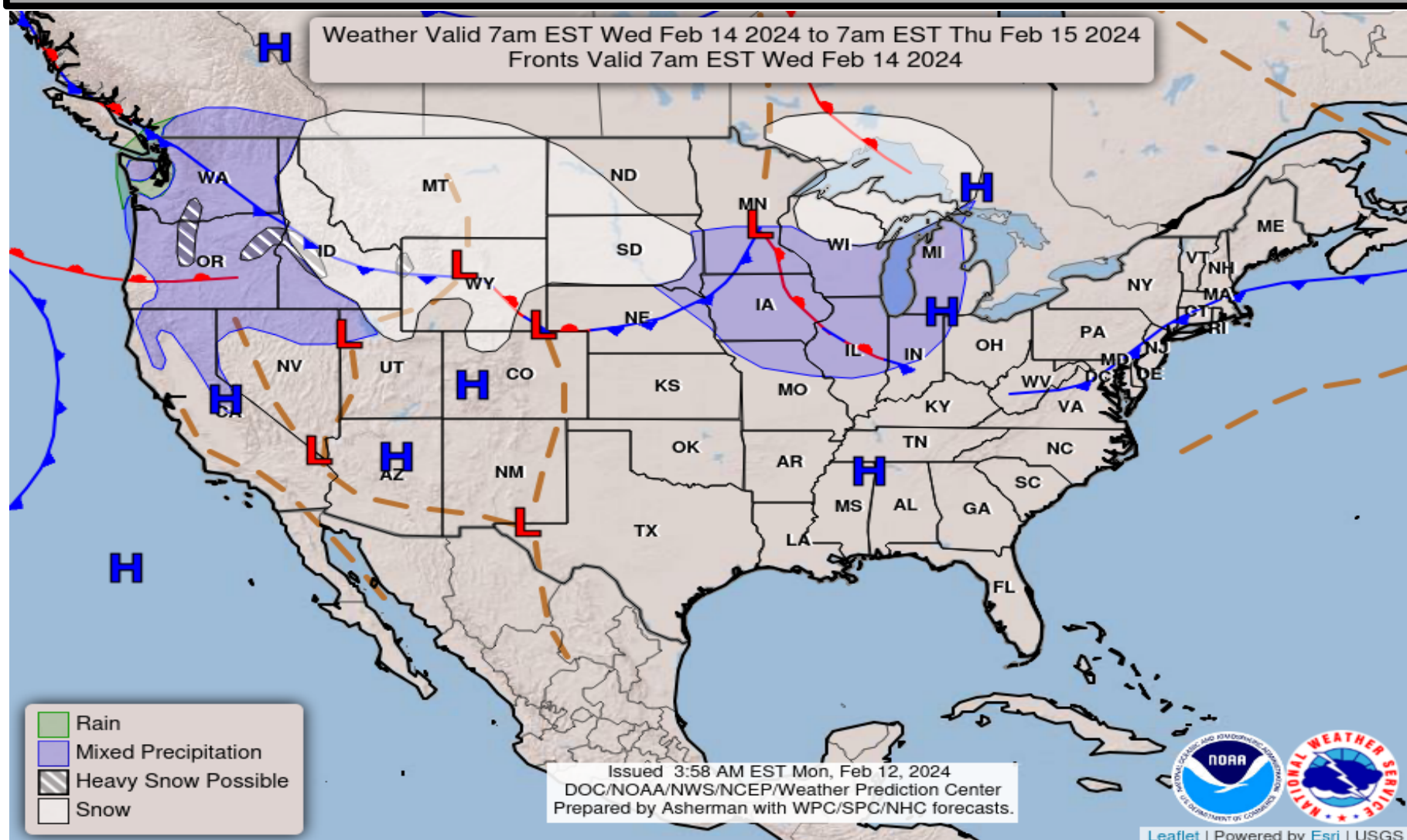
Tomorrow's Tornado & Severe Wind / Hail Probabilities



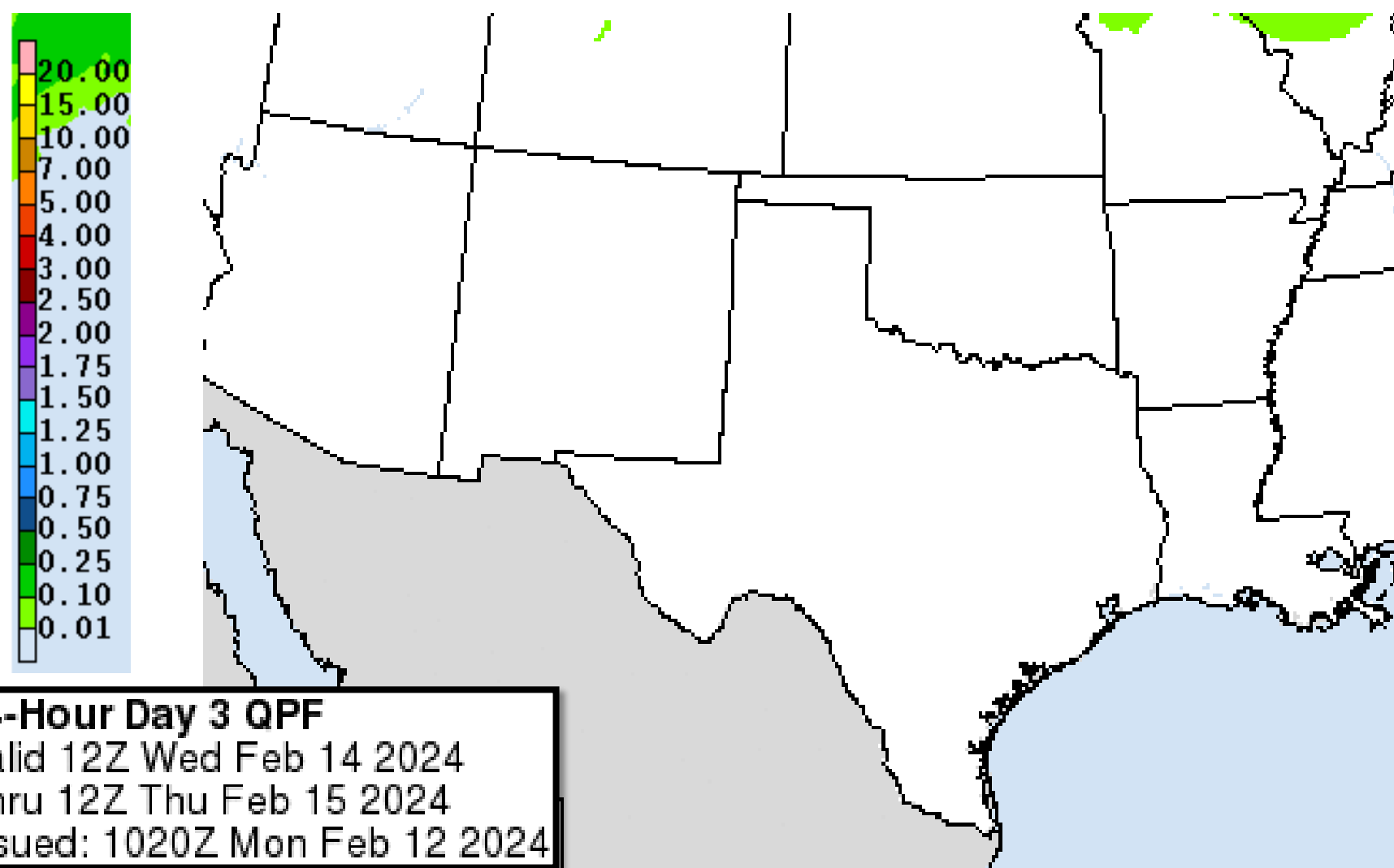


Wednesday's Weather

Forecast Chart

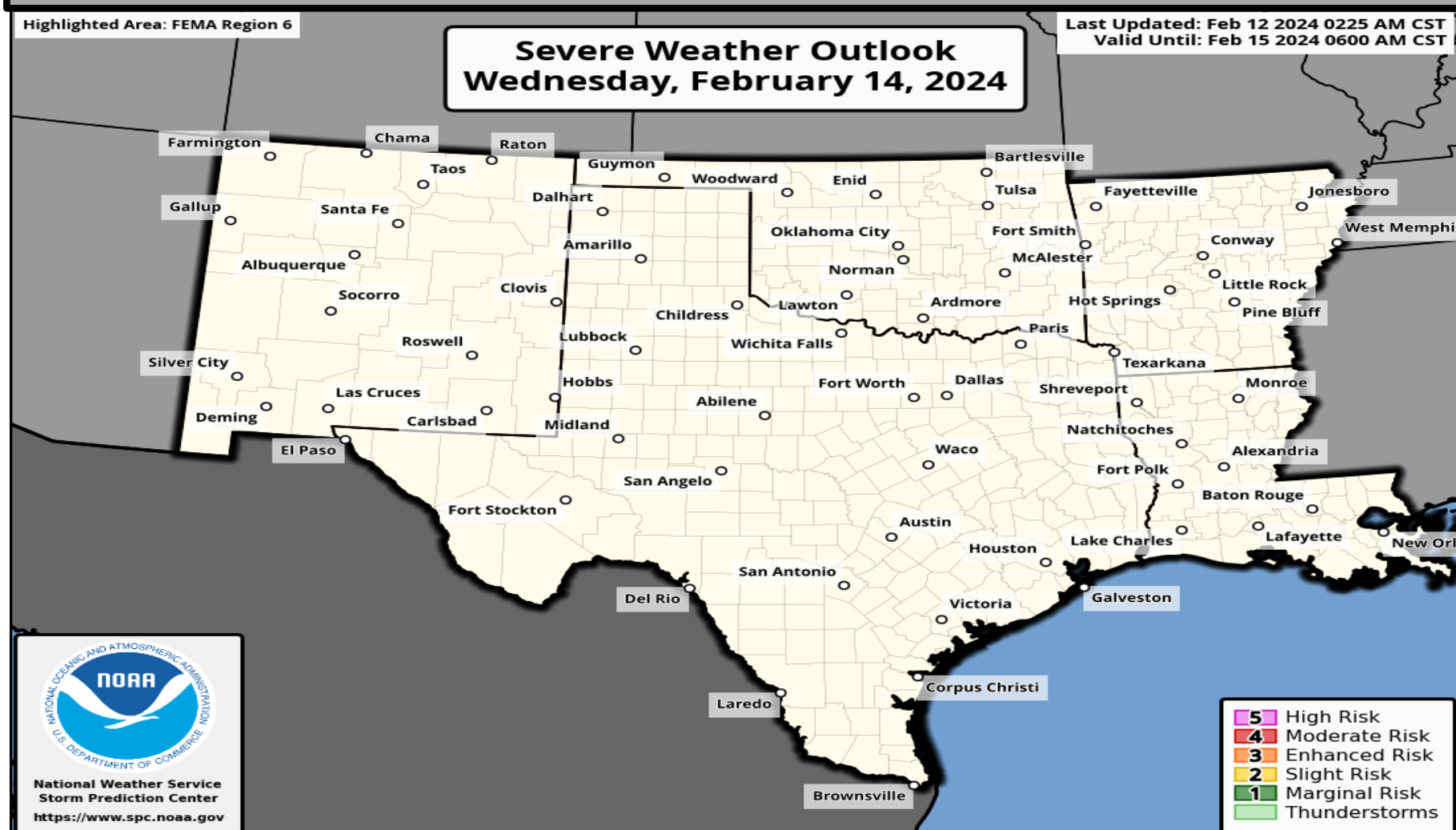


Forecast Rainfall

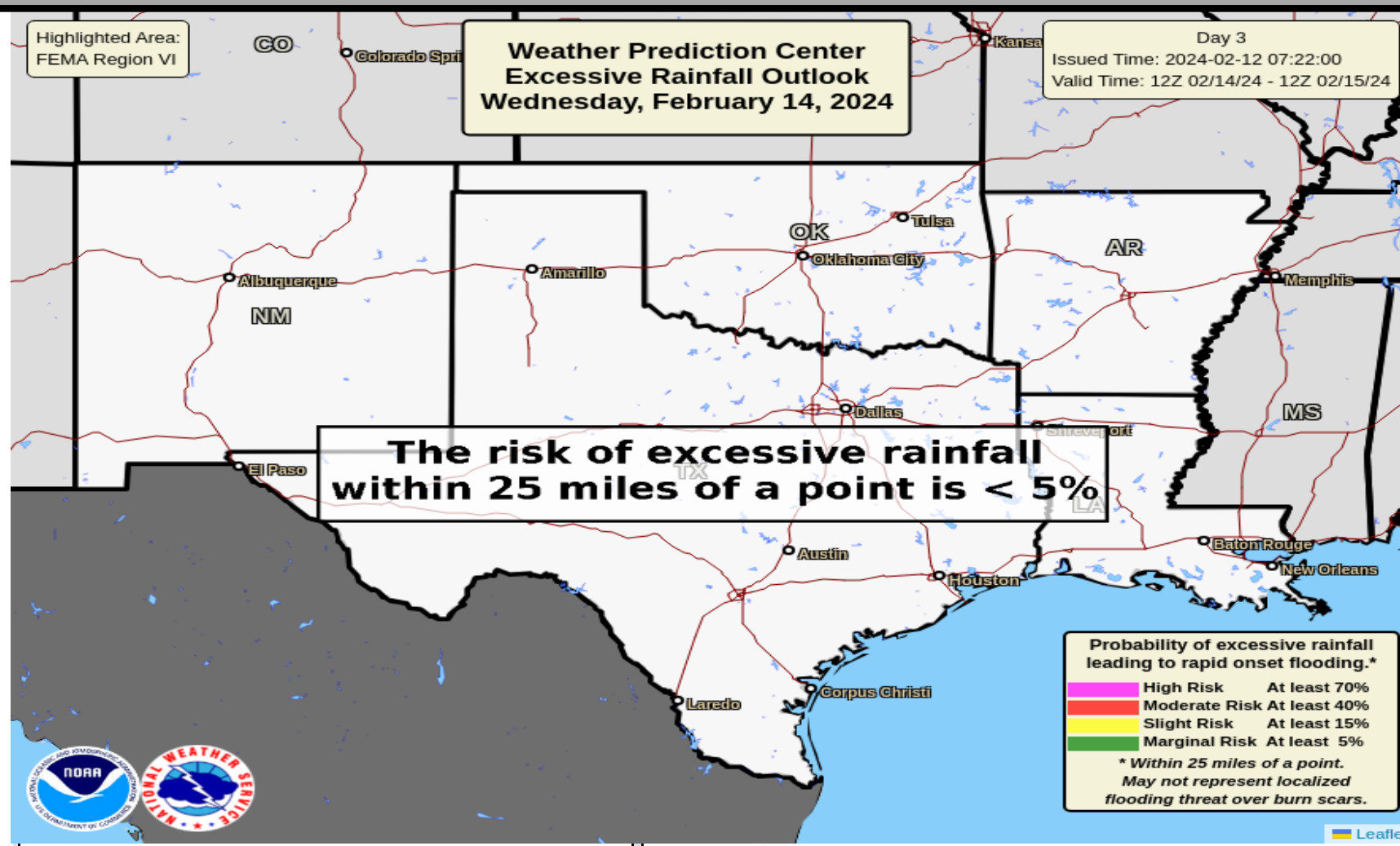


No significant weather expected.

Severe Weather Outlook



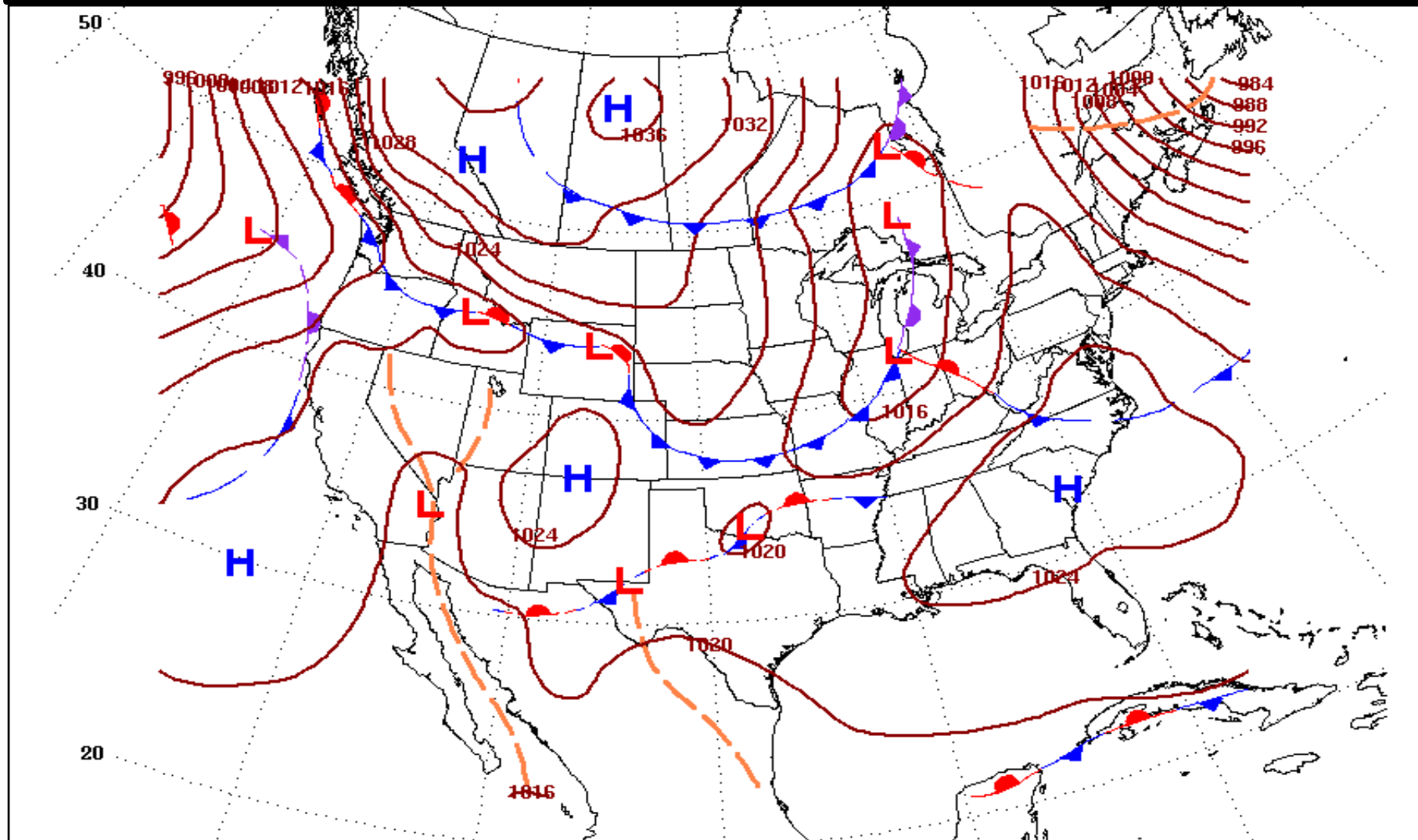
Excessive Rainfall Outlook



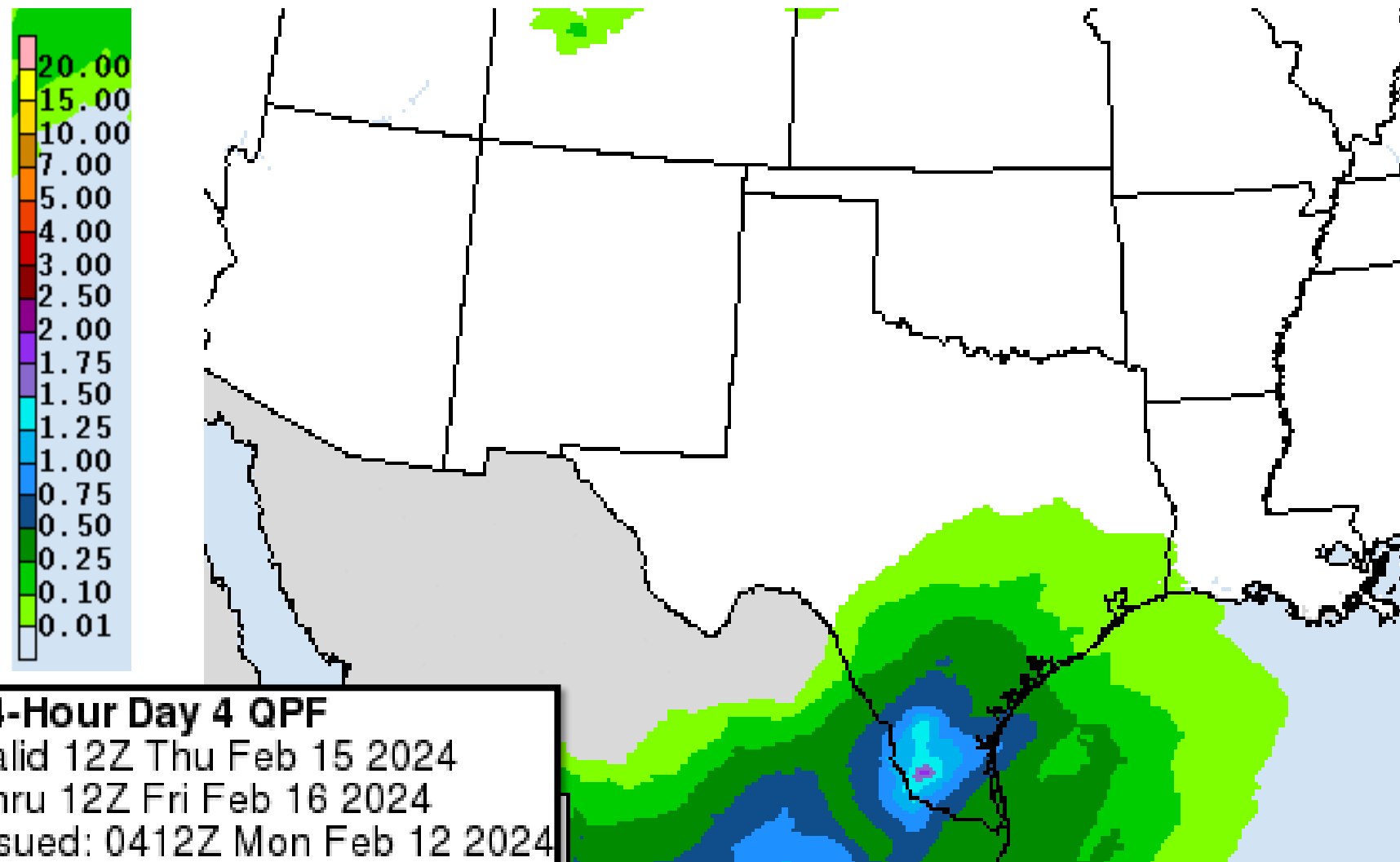


Thursday's Weather

Forecast Chart



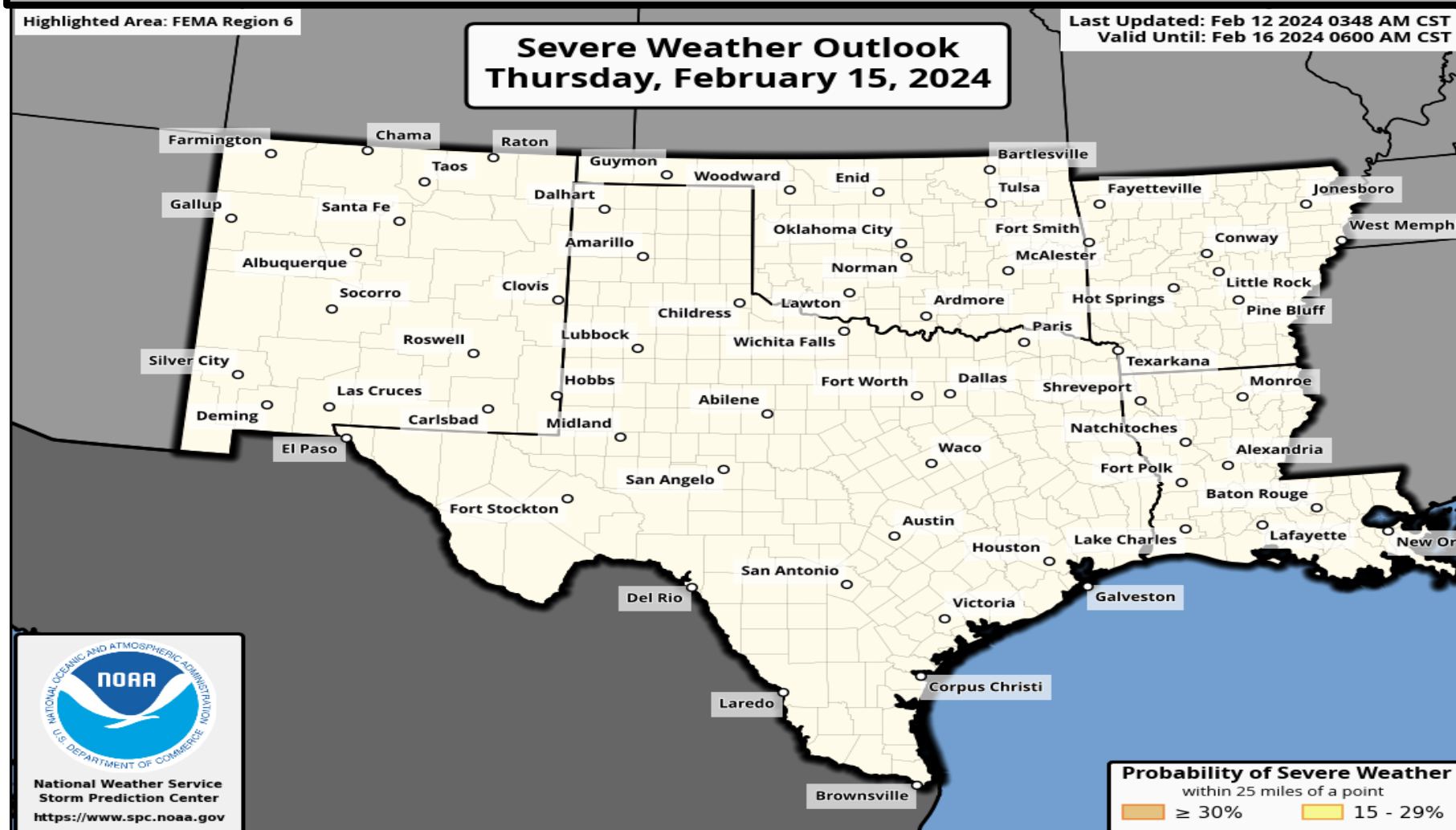
Forecast Rainfall



**Heavy rain possible over deep
STX**

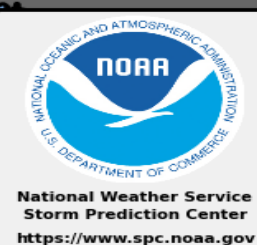
24-Hour Day 4 QPF
Valid 12Z Thu Feb 15 2024
Thru 12Z Fri Feb 16 2024
Issued: 0412Z Mon Feb 12 2024

Severe Weather Outlook



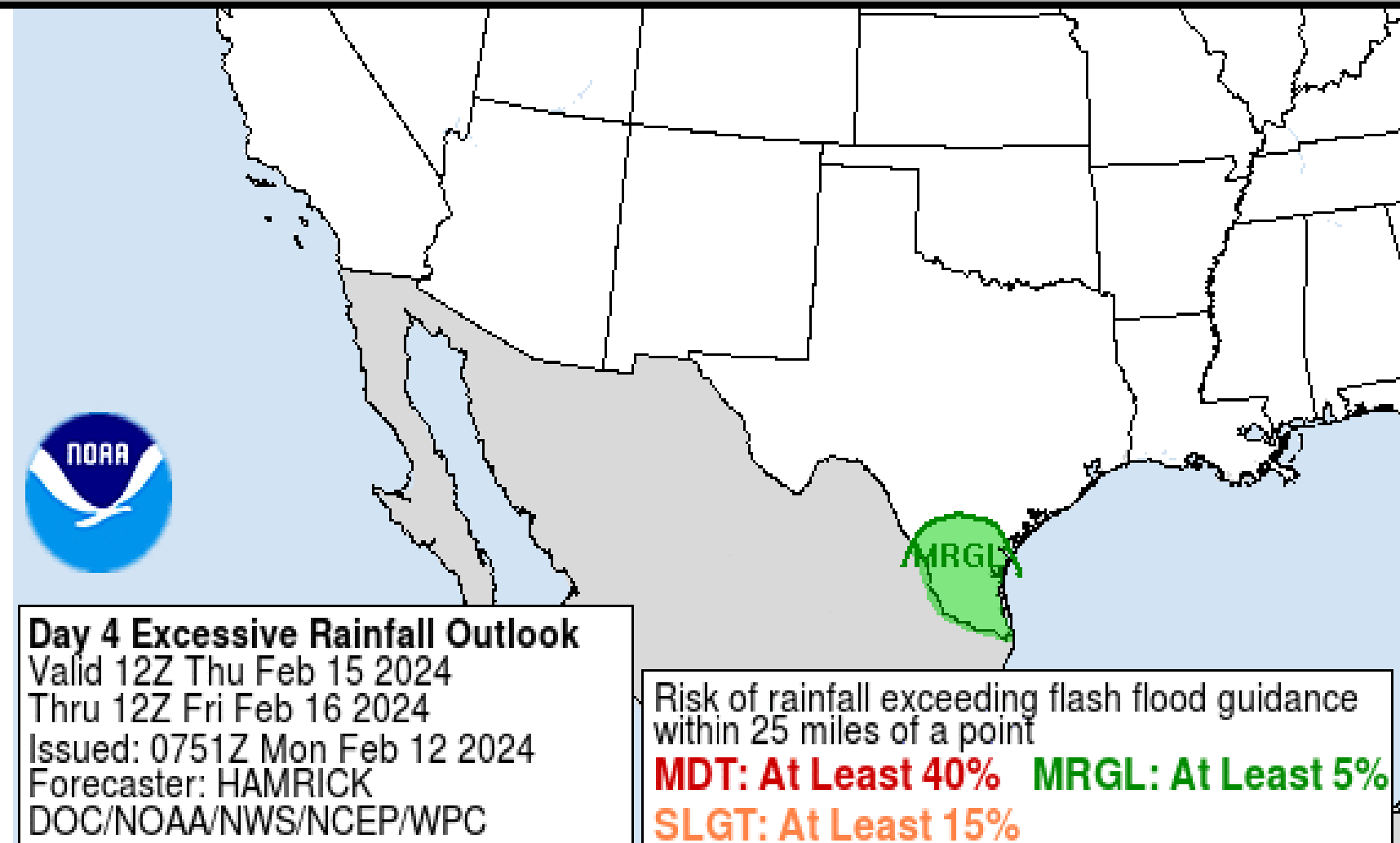
Severe Weather Outlook
Thursday, February 15, 2024

Last Updated: Feb 12 2024 0348 AM CST
Valid Until: Feb 16 2024 0600 AM CST



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

Excessive Rainfall Outlook



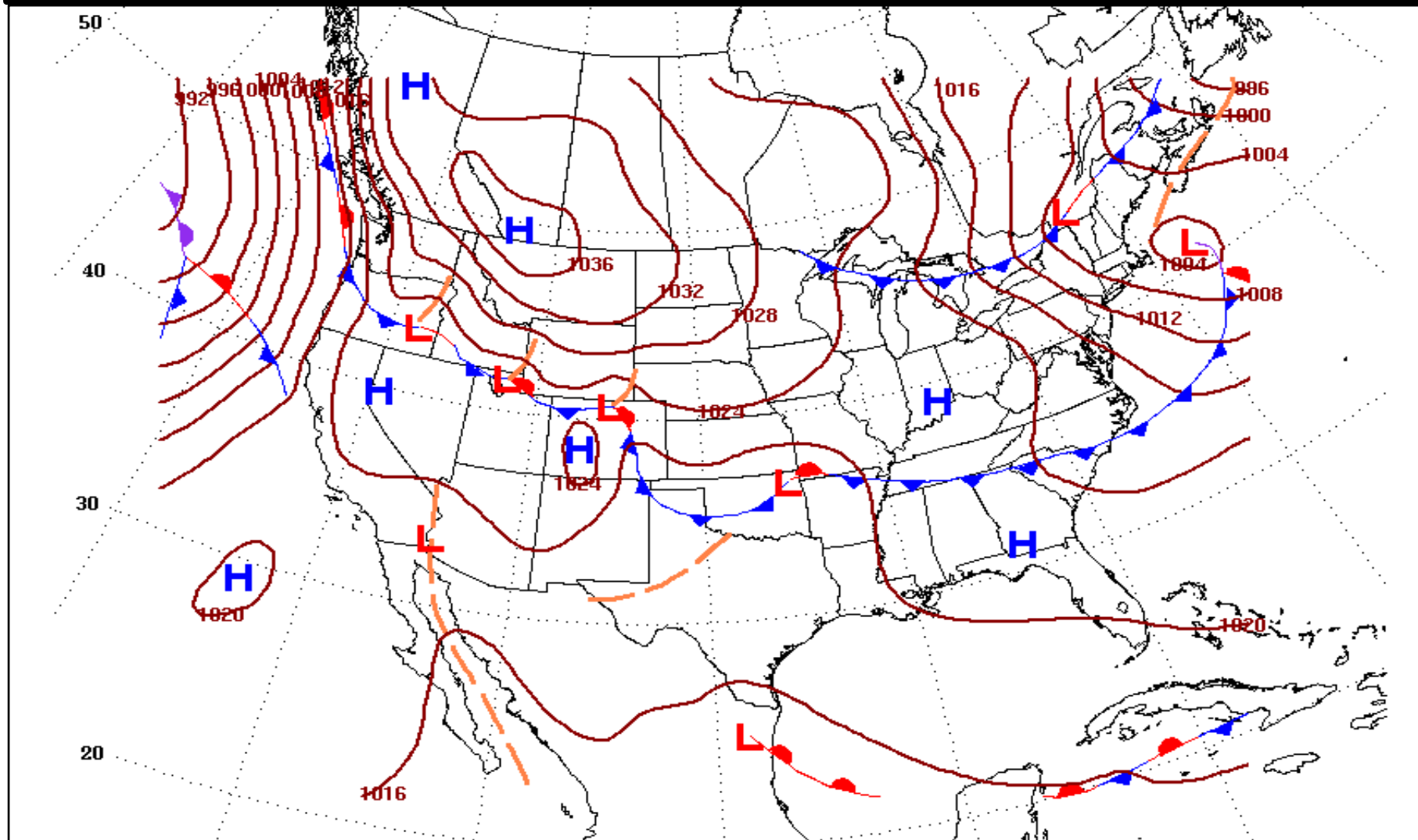
Day 4 Excessive Rainfall Outlook
Valid 12Z Thu Feb 15 2024
Thru 12Z Fri Feb 16 2024
Issued: 0751Z Mon Feb 12 2024
Forecaster: HAMRICK
DOC/NOAA/NWS/NCEP/WPC

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%

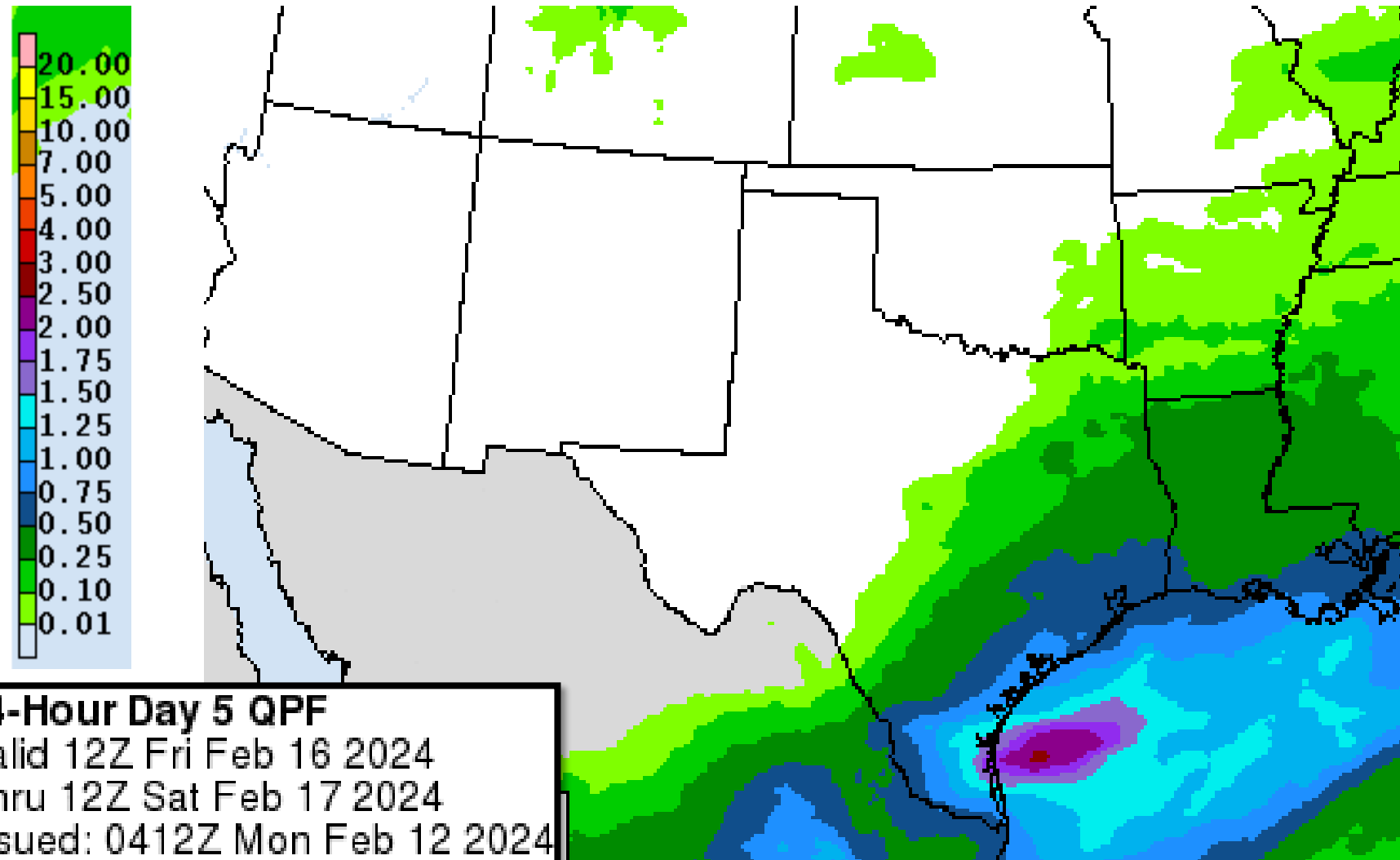


Friday's Weather

Forecast Chart



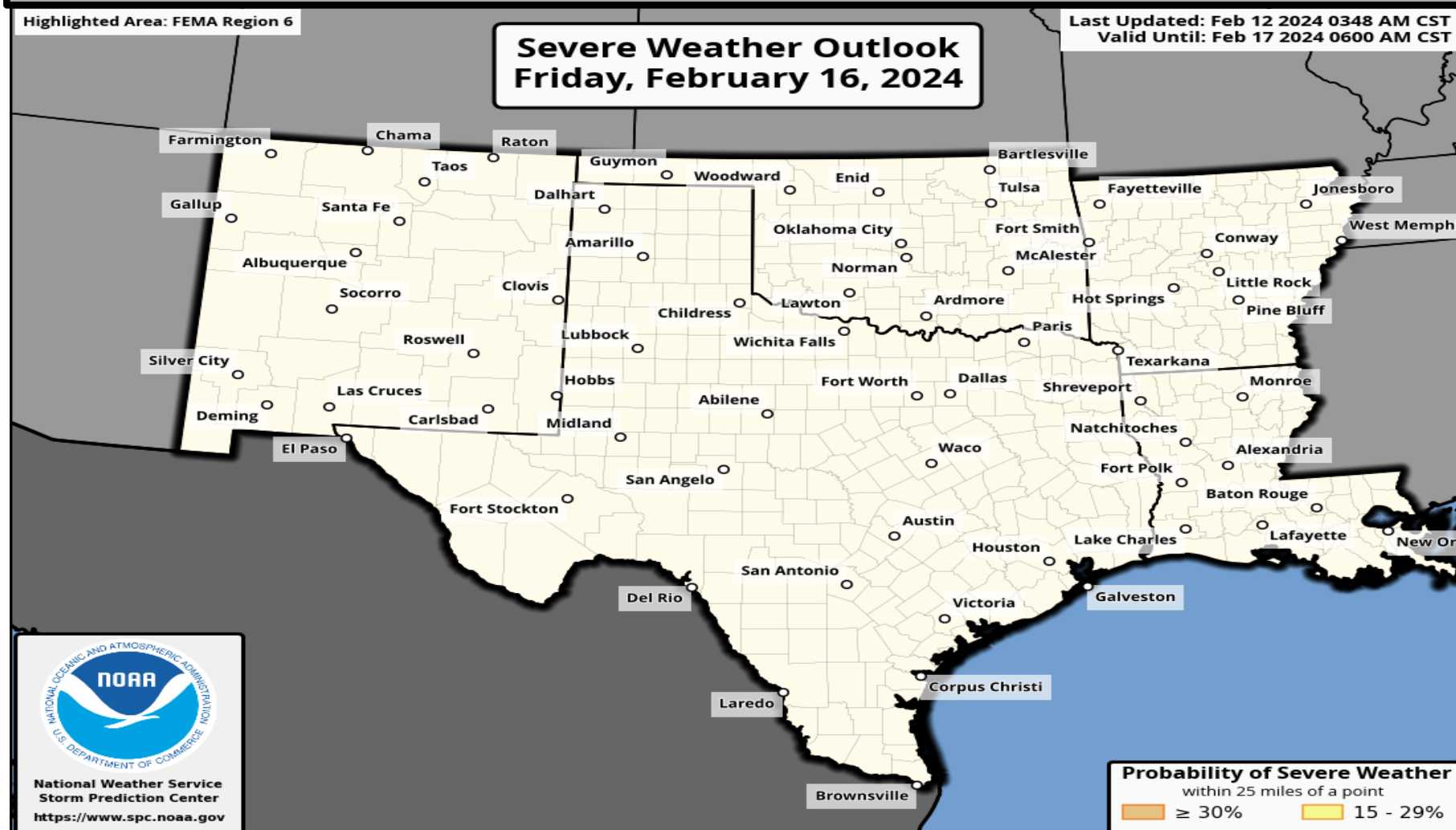
Forecast Rainfall



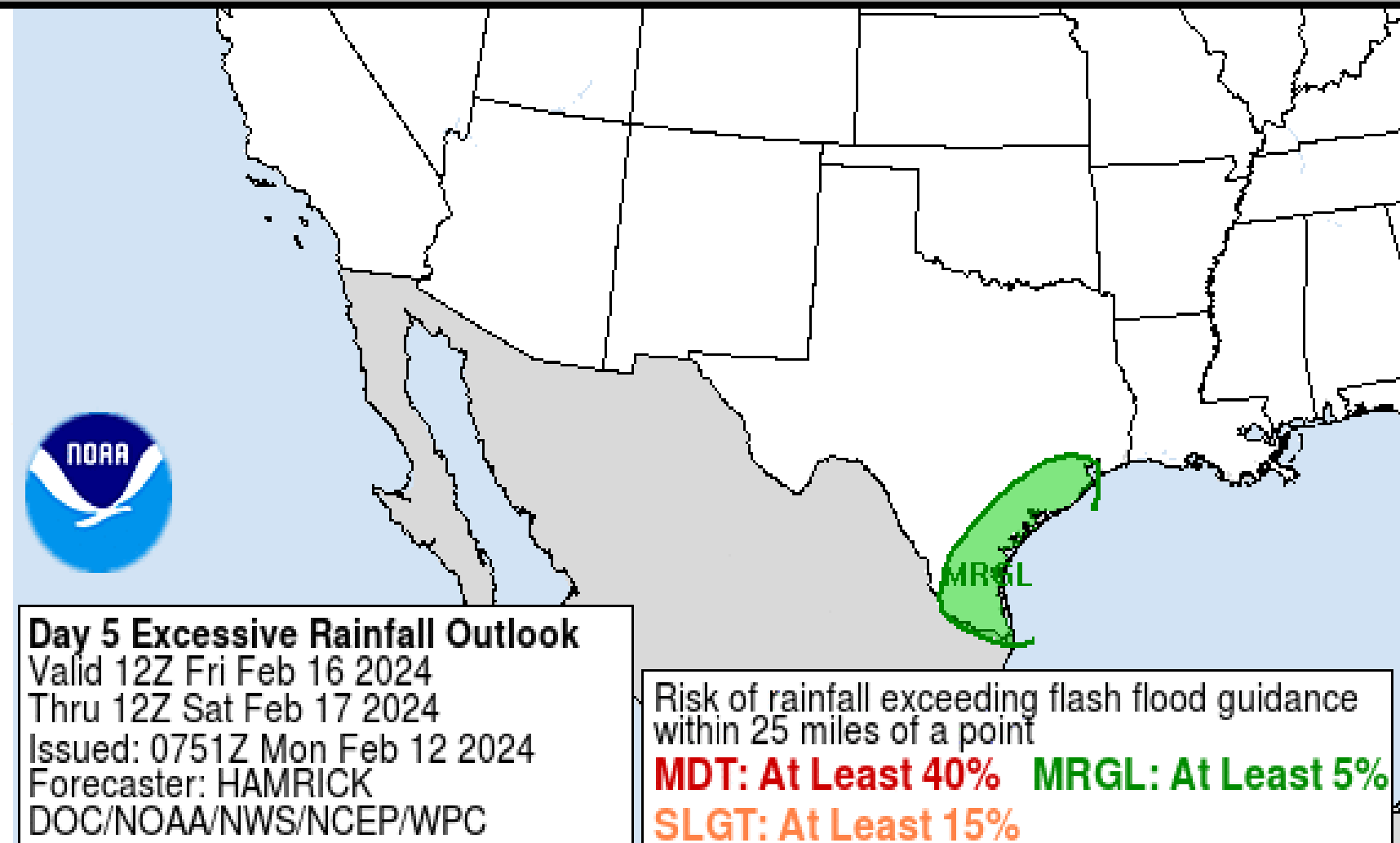
Heavy rain possible over deep STX

24-Hour Day 5 QPF
Valid 12Z Fri Feb 16 2024
Thru 12Z Sat Feb 17 2024
Issued: 0412Z Mon Feb 12 2024

Severe Weather Outlook



Excessive Rainfall Outlook



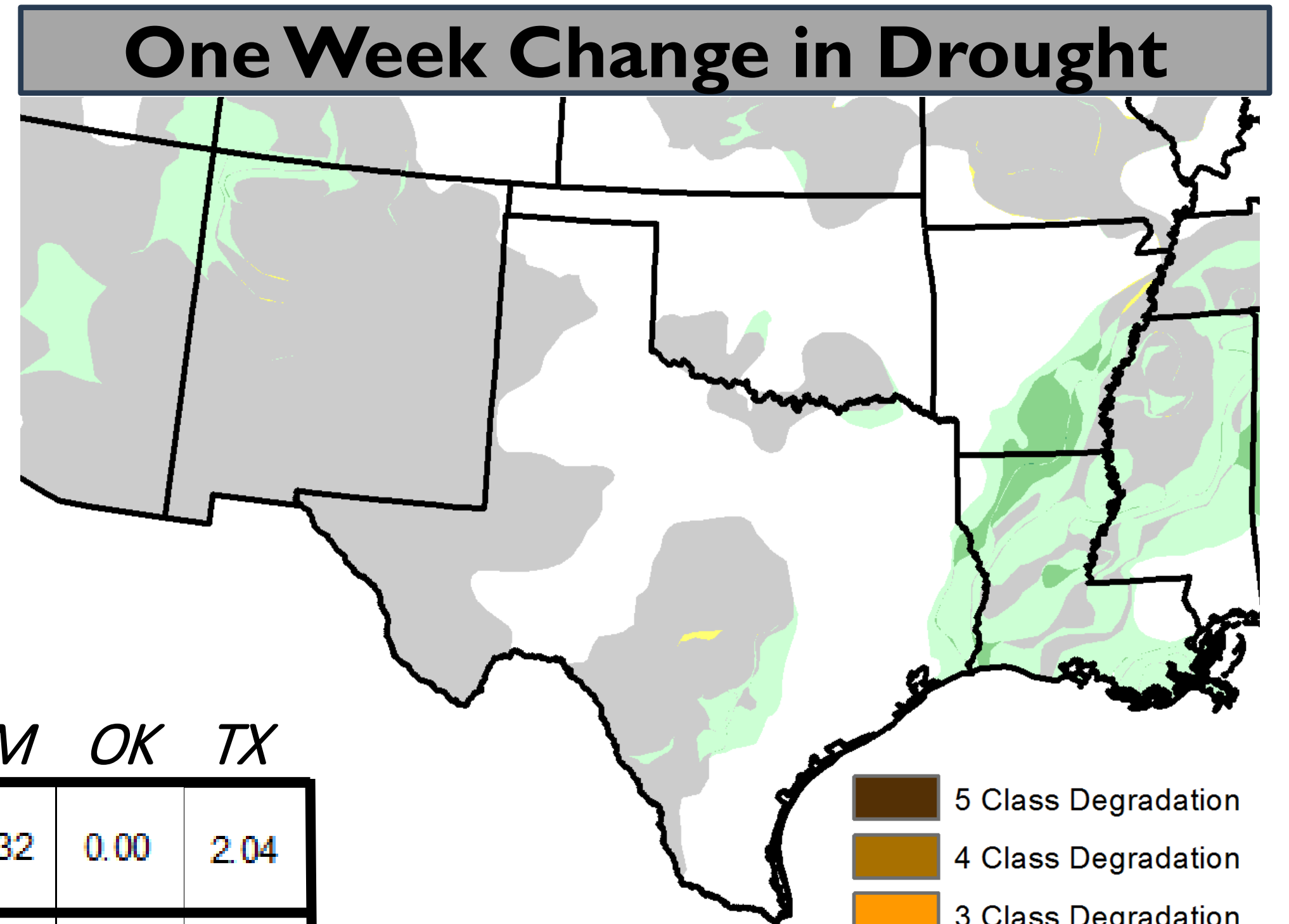
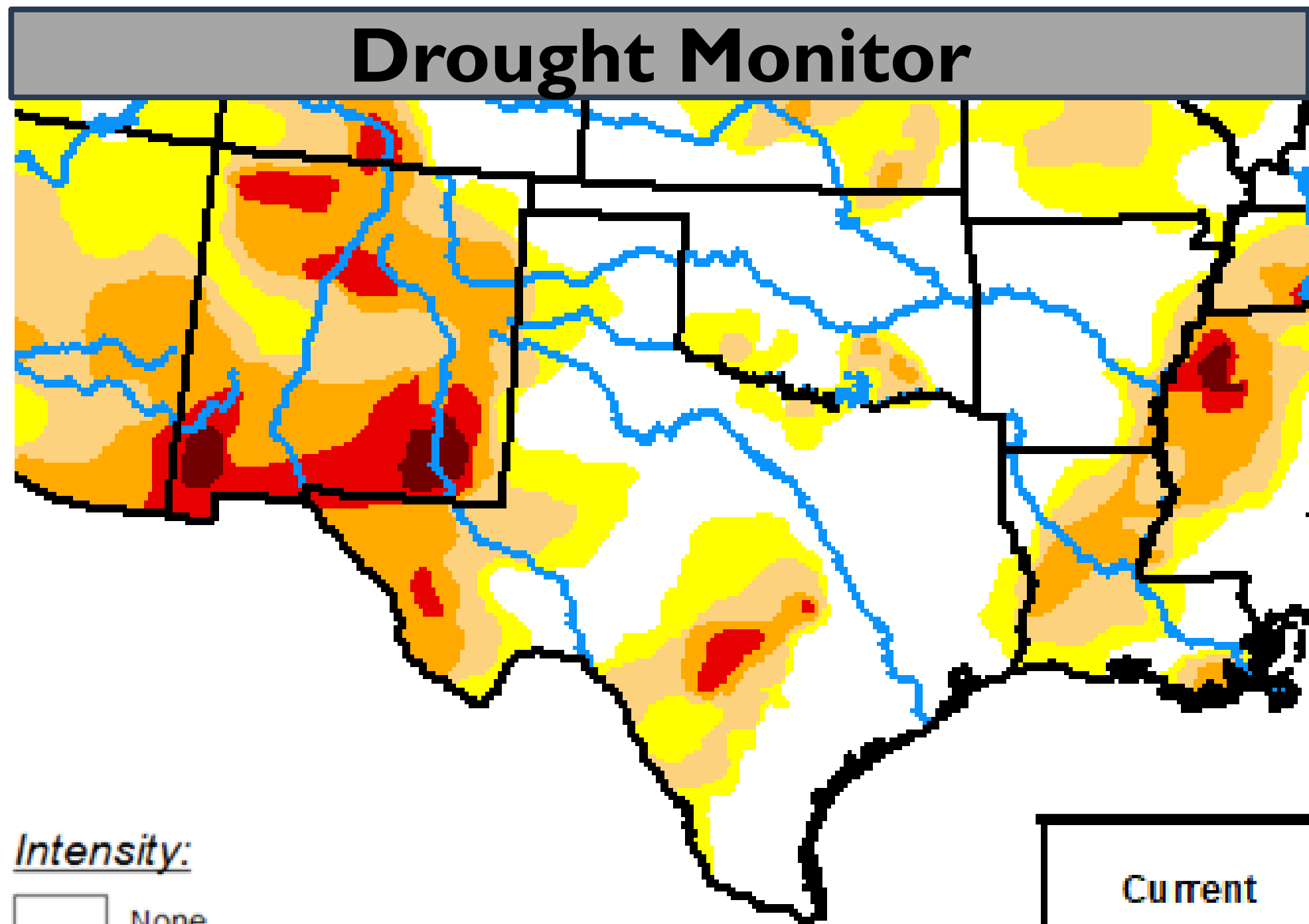
Day 5 Excessive Rainfall Outlook
Valid 12Z Fri Feb 16 2024
Thru 12Z Sat Feb 17 2024
Issued: 0751Z Mon Feb 12 2024
Forecaster: HAMRICK
DOC/NOAA/NWS/NCEP/WPC

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 8, 2024)

Data valid as of 8 am ET on Tuesday, February 6, 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
Current	0.14	0.00	27.32	0.00	2.04
Last Week <i>01-30-2024</i>	0.20	14.57	28.86	0.00	1.92
3 Months Ago <i>11-07-2023</i>	0.35	87.71	43.62	1.16	10.88
One Year Ago <i>02-07-2023</i>	0.00	0.00	3.81	56.20	7.89

Drought Conditions (Percent Area)

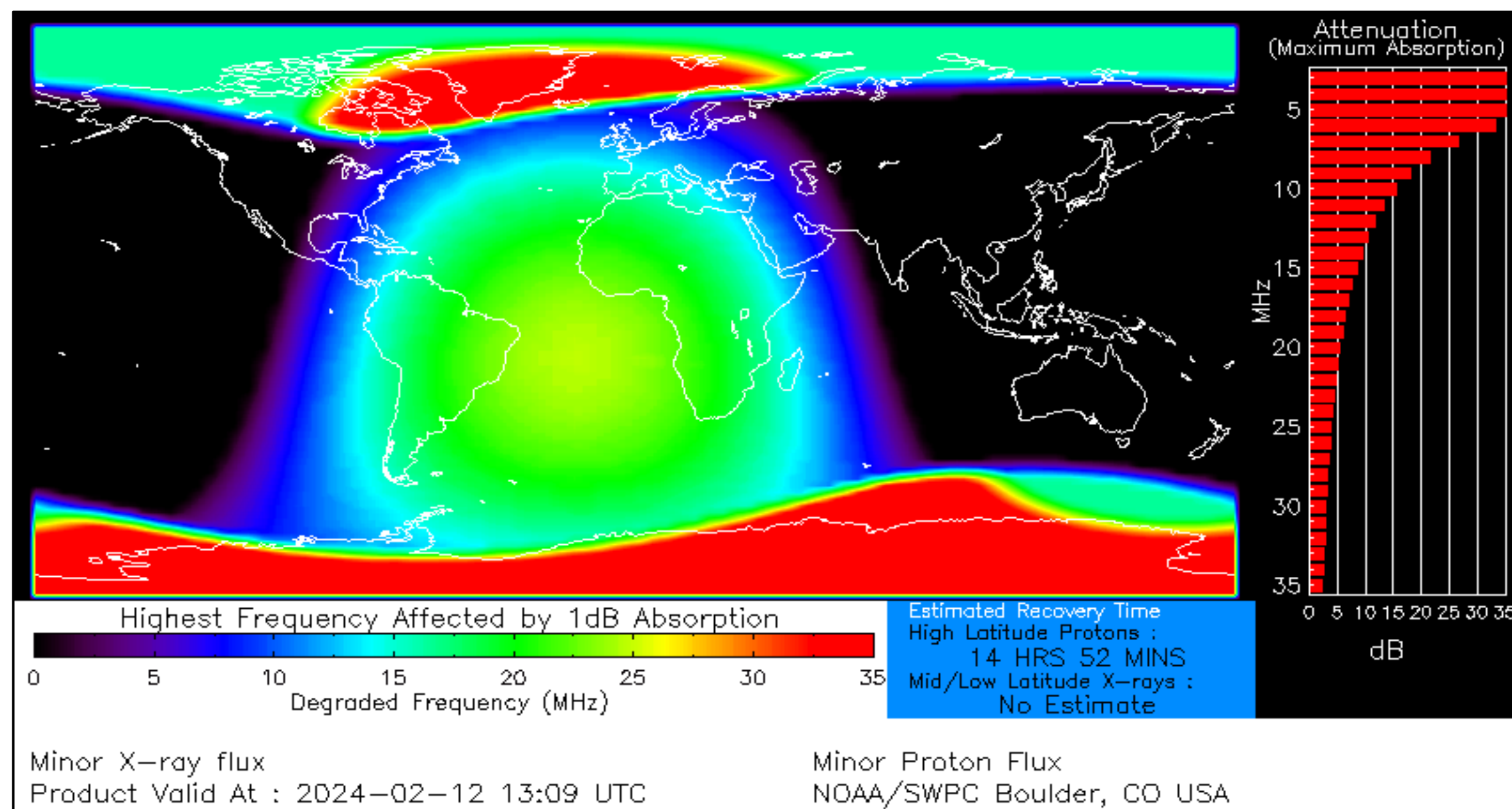
D3-D4 (Extreme to Exceptional Drought)

- 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



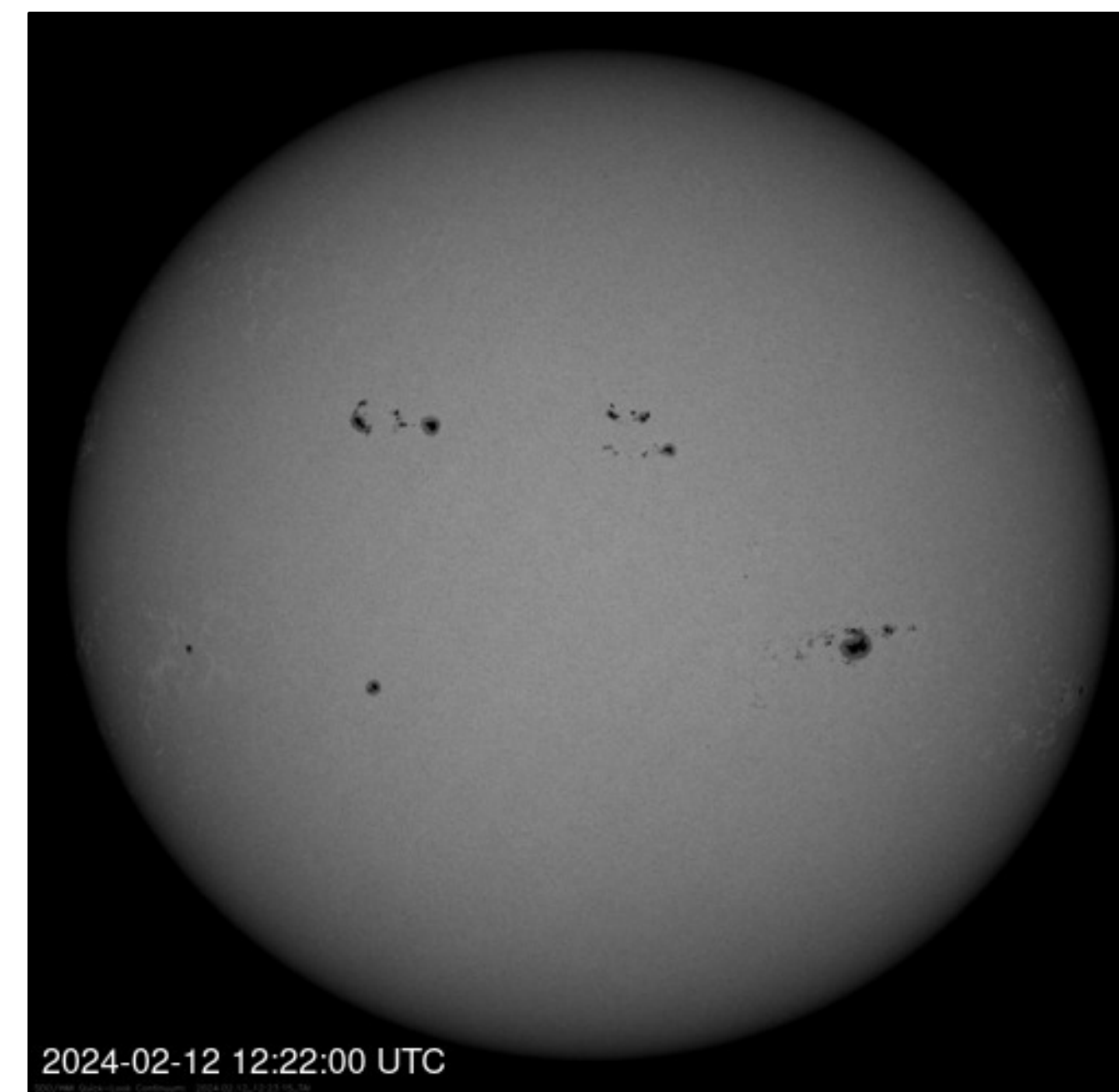
Space Weather 3-Day Forecast

	Monday	Tuesday	Wednesday
Geomagnetic Storms	Moderate (G2) (Max Kp = 6)	Minor (G1) (Max Kp = 5)	Minor (G1) (Max Kp = 5)
Solar Radiation Storm (S1-S5)	25%	10%	10%
Radio Blackout (R1-R2)	60%	60%	60%
Radio Blackout (R3-R5)	15%	15%	15%



[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

Web: <http://www.weather.gov/srh>



Weather "Threat" Matrix for FEMA Region VI

Color	Definition	Criteria	Example(s)
Green	<p style="text-align: center;">Very Common</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"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as sea breeze storms in coastal TX
Yellow	<p style="text-align: center;">Somewhat Common – Happens Frequently</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"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail
Orange	<p style="text-align: center;">Uncommon – A Few Times a Year</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"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	<p style="text-align: center;">Rare – Once every 1-5 Years</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"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	<p style="text-align: center;">Very Rare – Once Every 5-10 Years</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"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh@noaa.gov