



FEMA



Prepared by
Mark Wiley

FEMA Region 6 Weather Threat Briefing

Thursday December 7, 2023

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

- **Elevated fire weather conditions for W TX, W OK and the TX Panhandle/South Plains today and Friday.**
- **Marginal risk of severe storms over E OK, W AR, NE TX Friday. Slight risk over E/SE TX, AR, and LA Saturday. Damaging winds/hail the main threats.**
- **Marginal risk for excessive rainfall/flash flooding over AR and LA on Saturday.**



FEMA Region 6 Threat Matrix

Dec 7, 2023 - Dec 11, 2023

| DAY / THREAT | Thu | Fri | Sat | Sun | Mon |
|-----------------------------|-----------------------------------|-----------------------------------|-----------------|-----|-----|
| Severe Storms | | E OK, W AR, NE TX | E/SE TX, AR, LA | | |
| Heavy Rain / Flash Flooding | | | AR, LA | | |
| Fire Weather | W TX, W OK, TX Panhandle/S Plains | W TX, W OK, TX Panhandle/S Plains | | | |
| Tropical Winds / Surge | | | | | |
| Winter Weather | | | | | |
| River Flooding | | | | | |

| | |
|--|-----------------------------------|
|  | 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 |

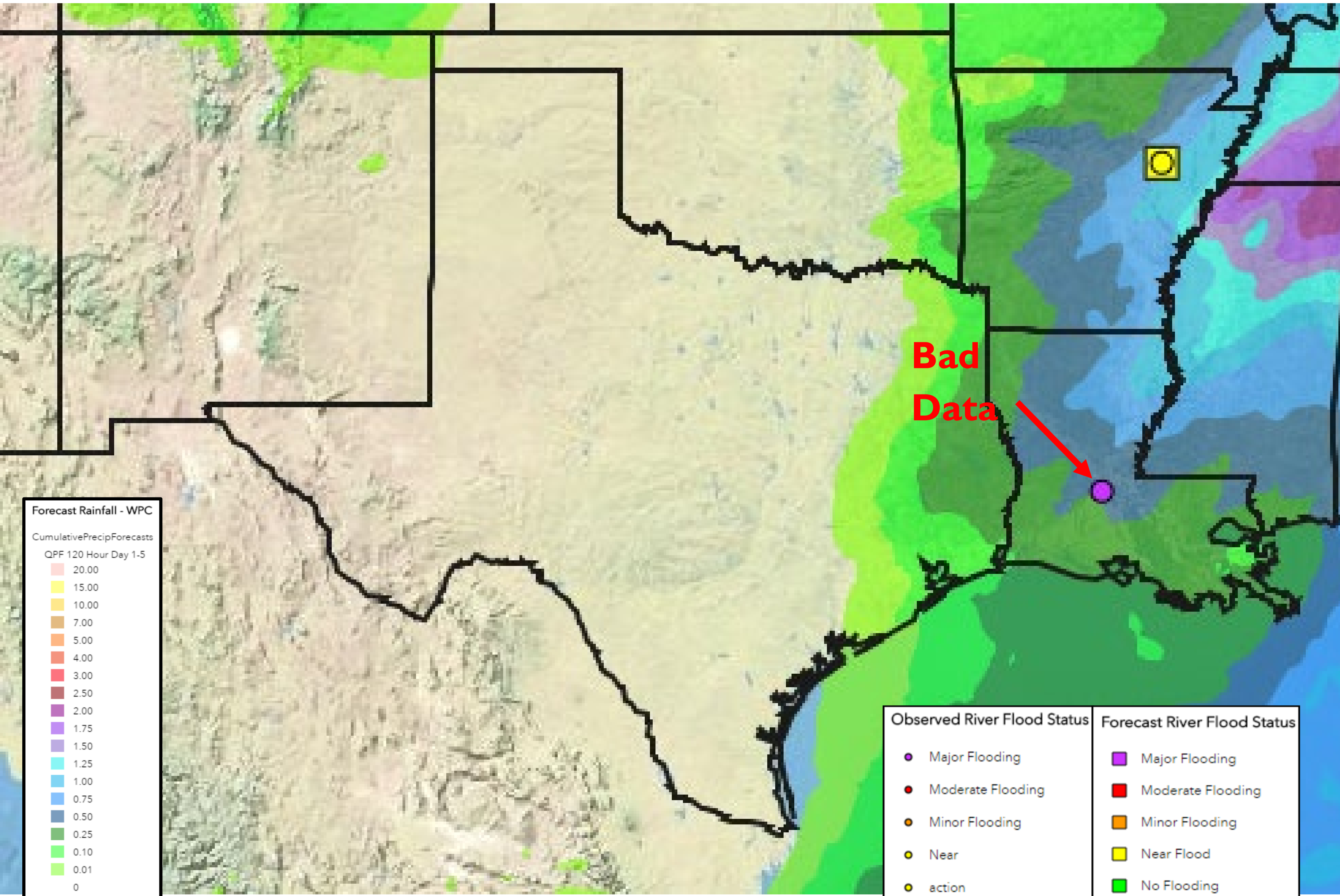
Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

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



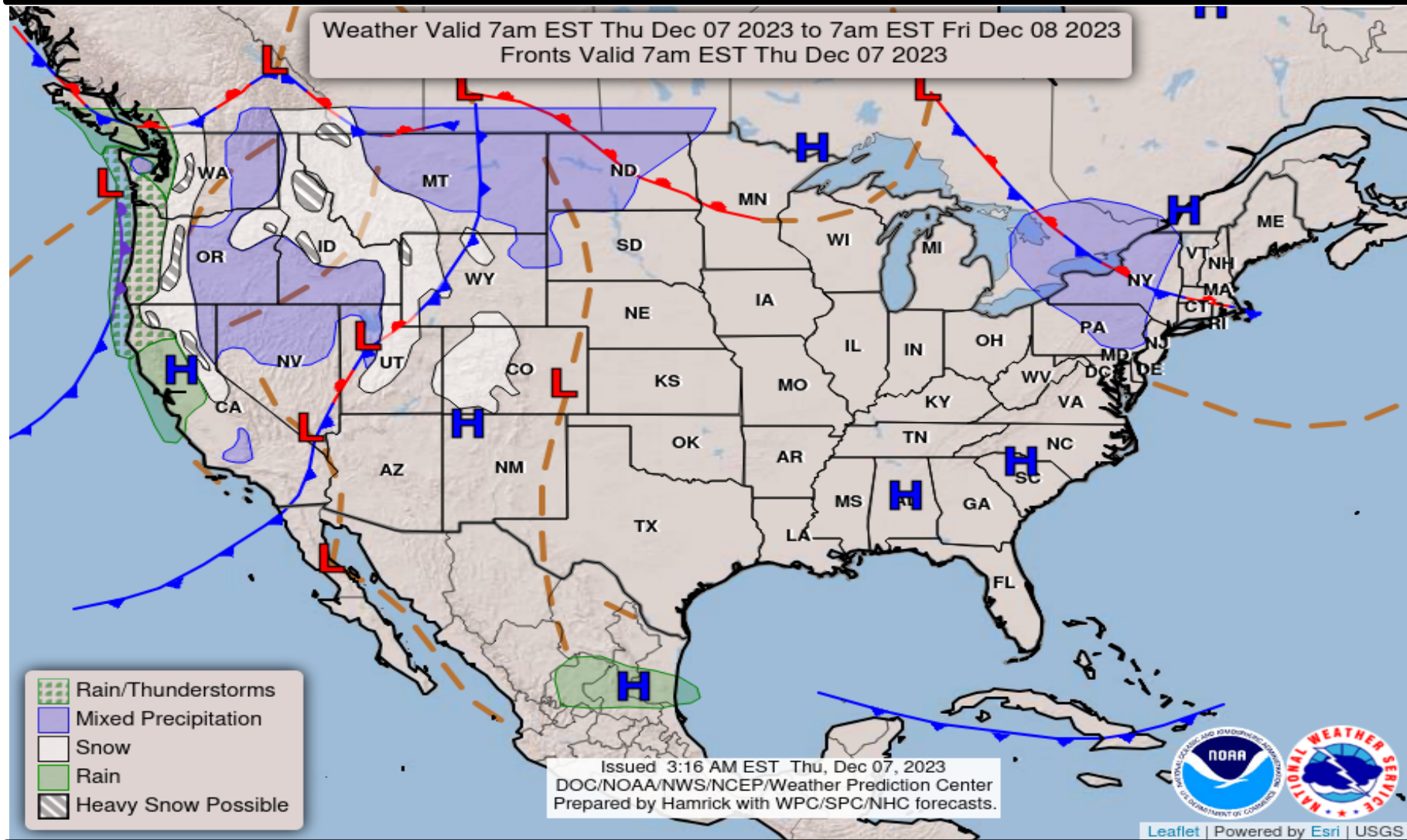
No significant river flooding expected.

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

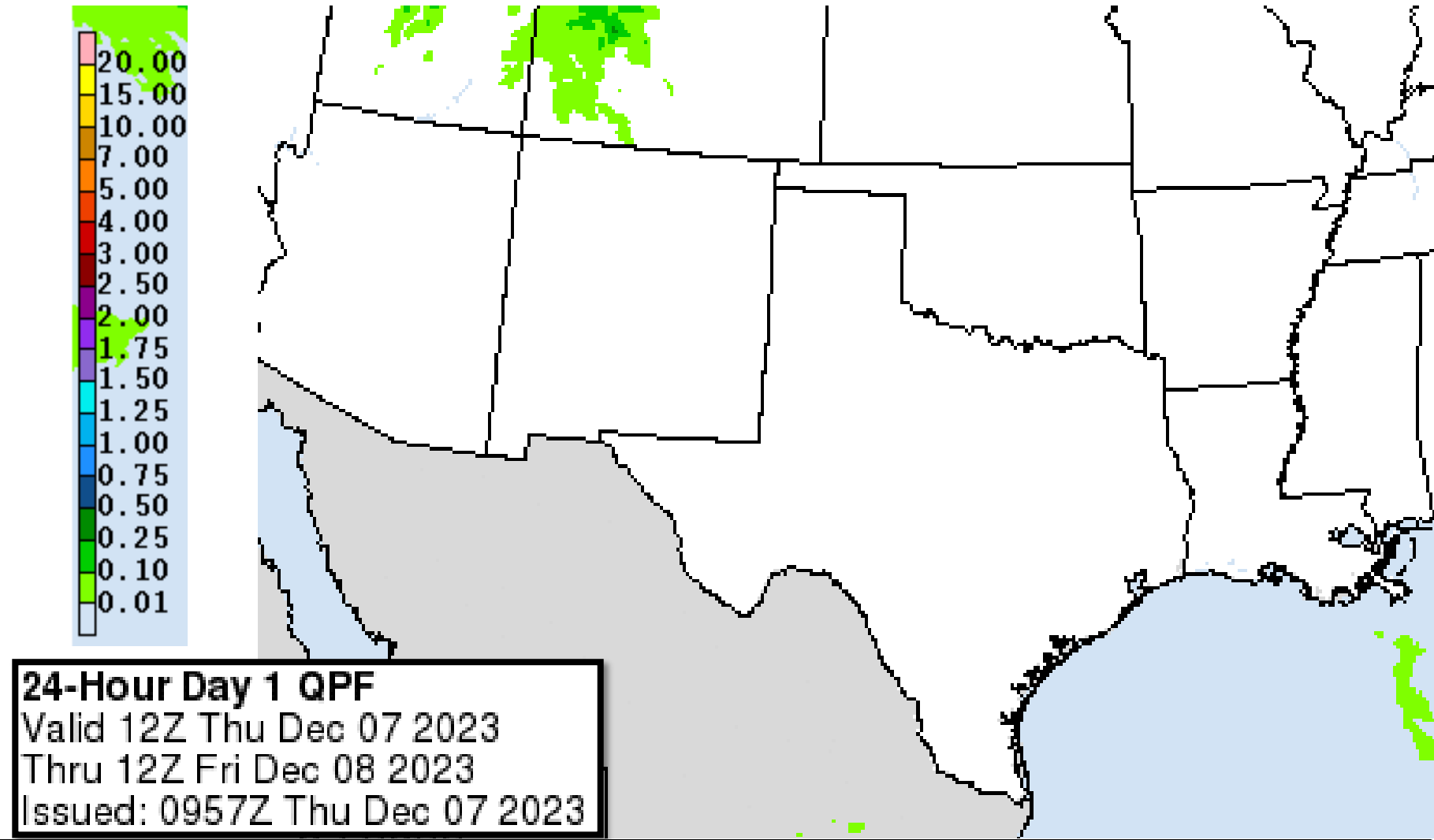


Today's Weather

Forecast Chart

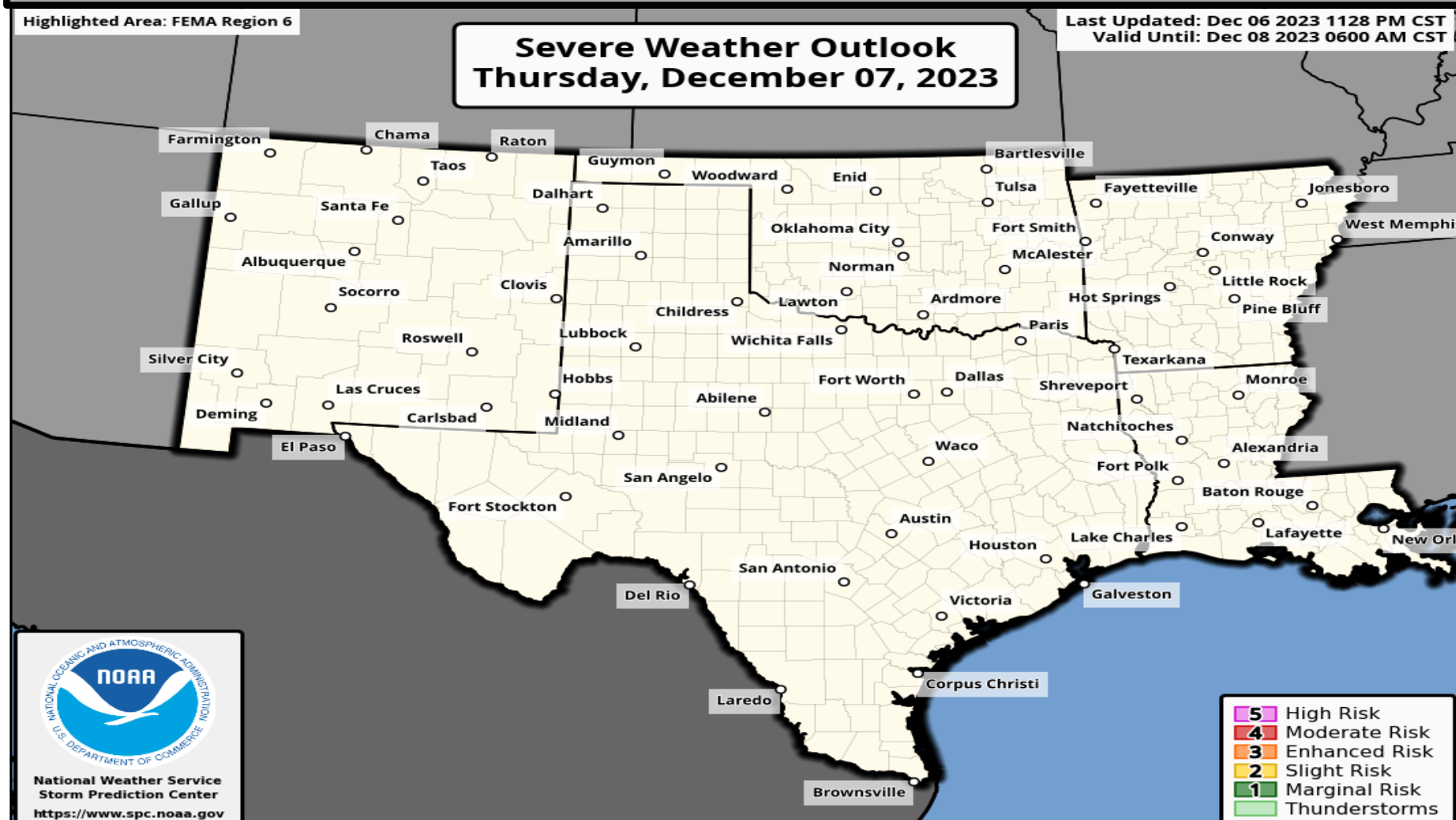


Forecast Rainfall

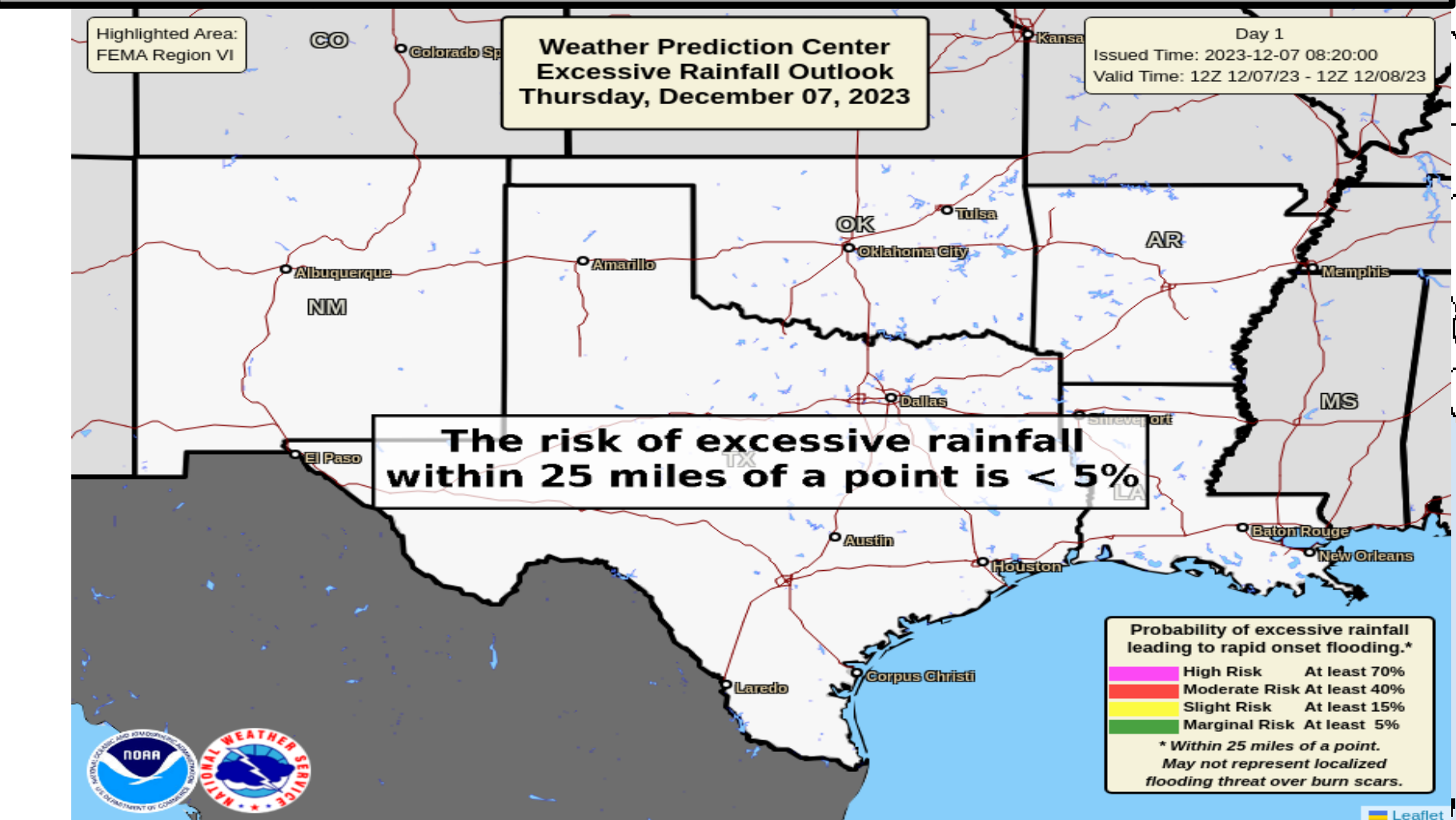


Elevated fire weather conditions for S NM, W TX, and the TX Panhandle/S Plains

Severe Weather Outlook

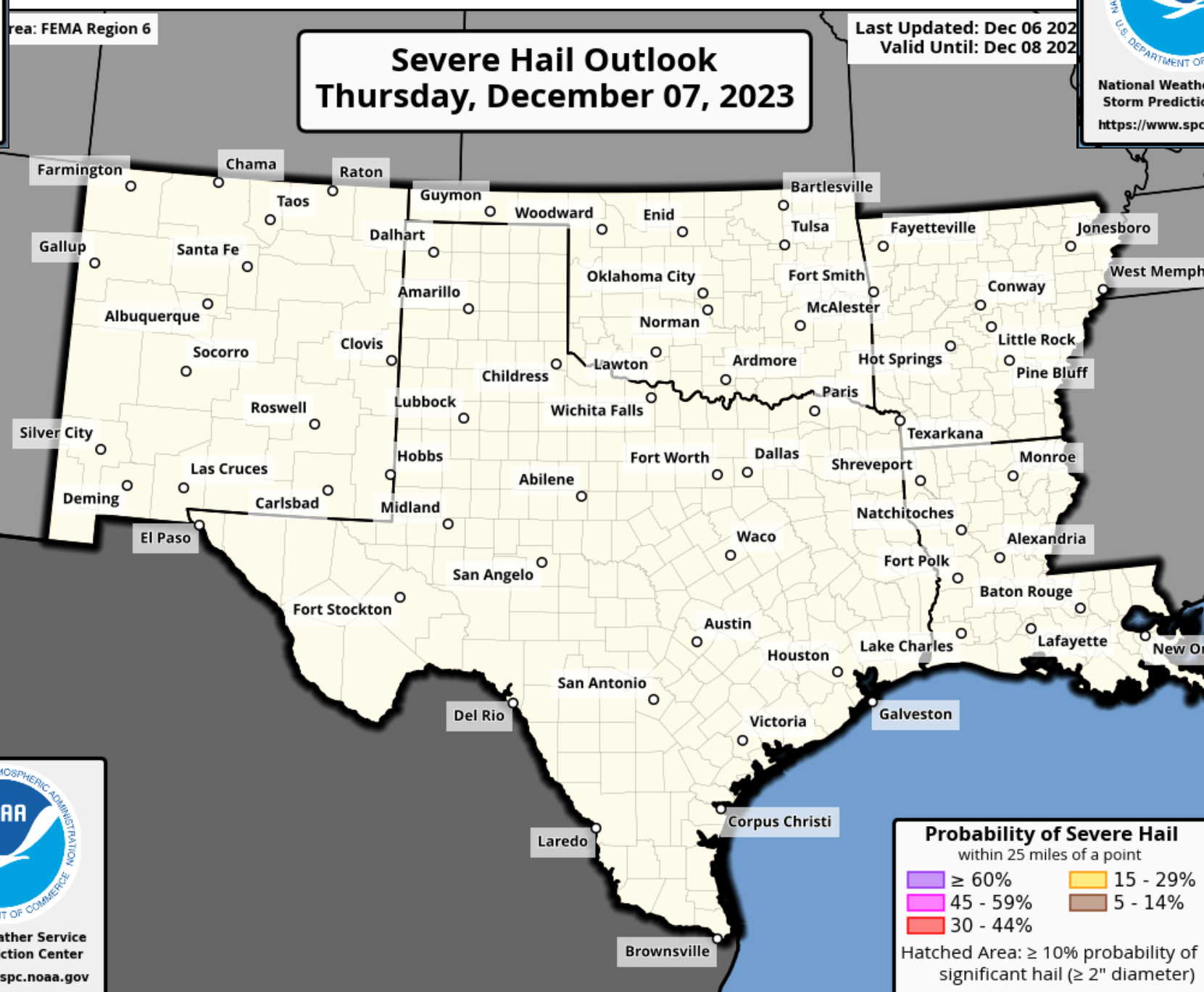
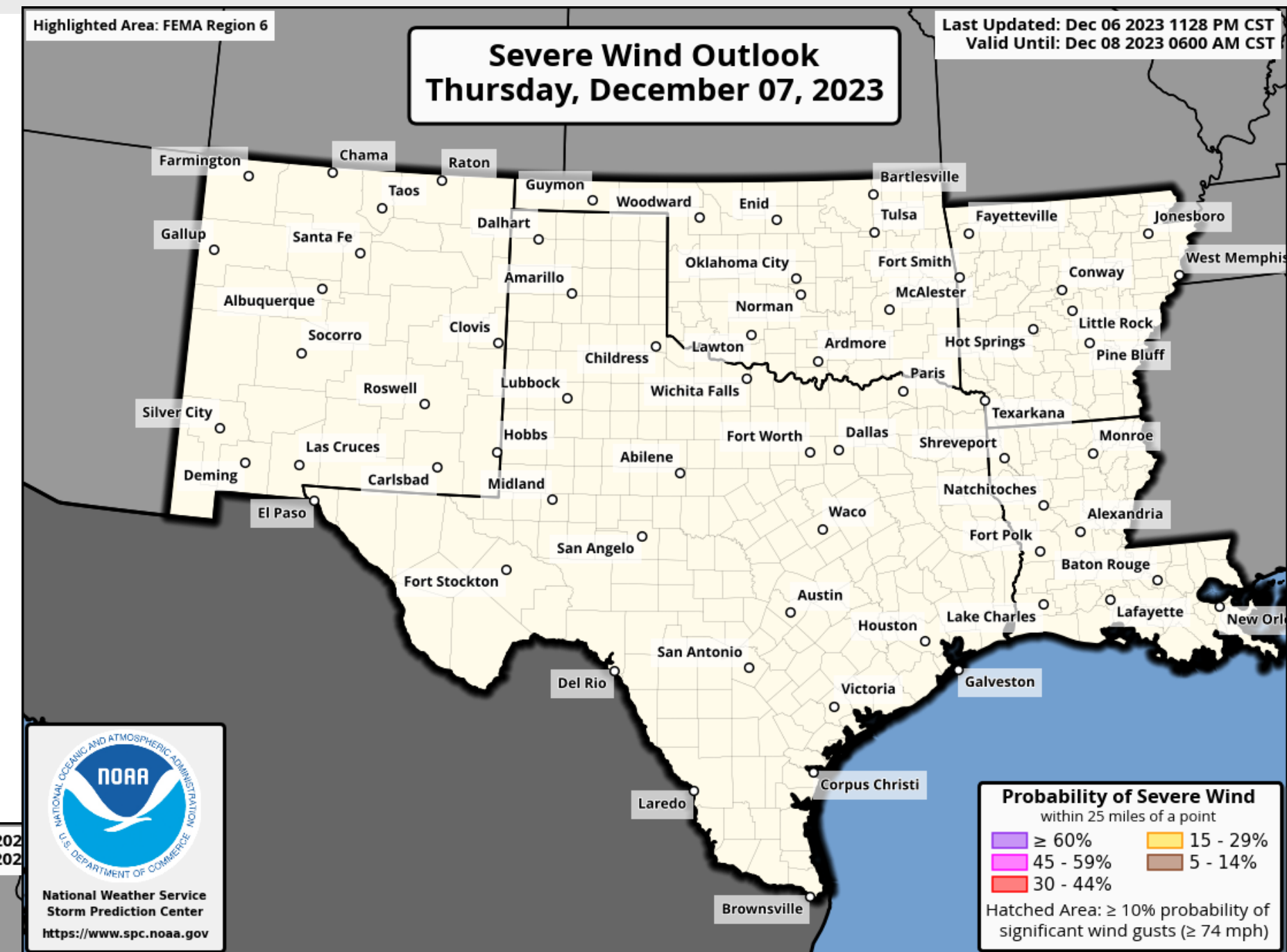
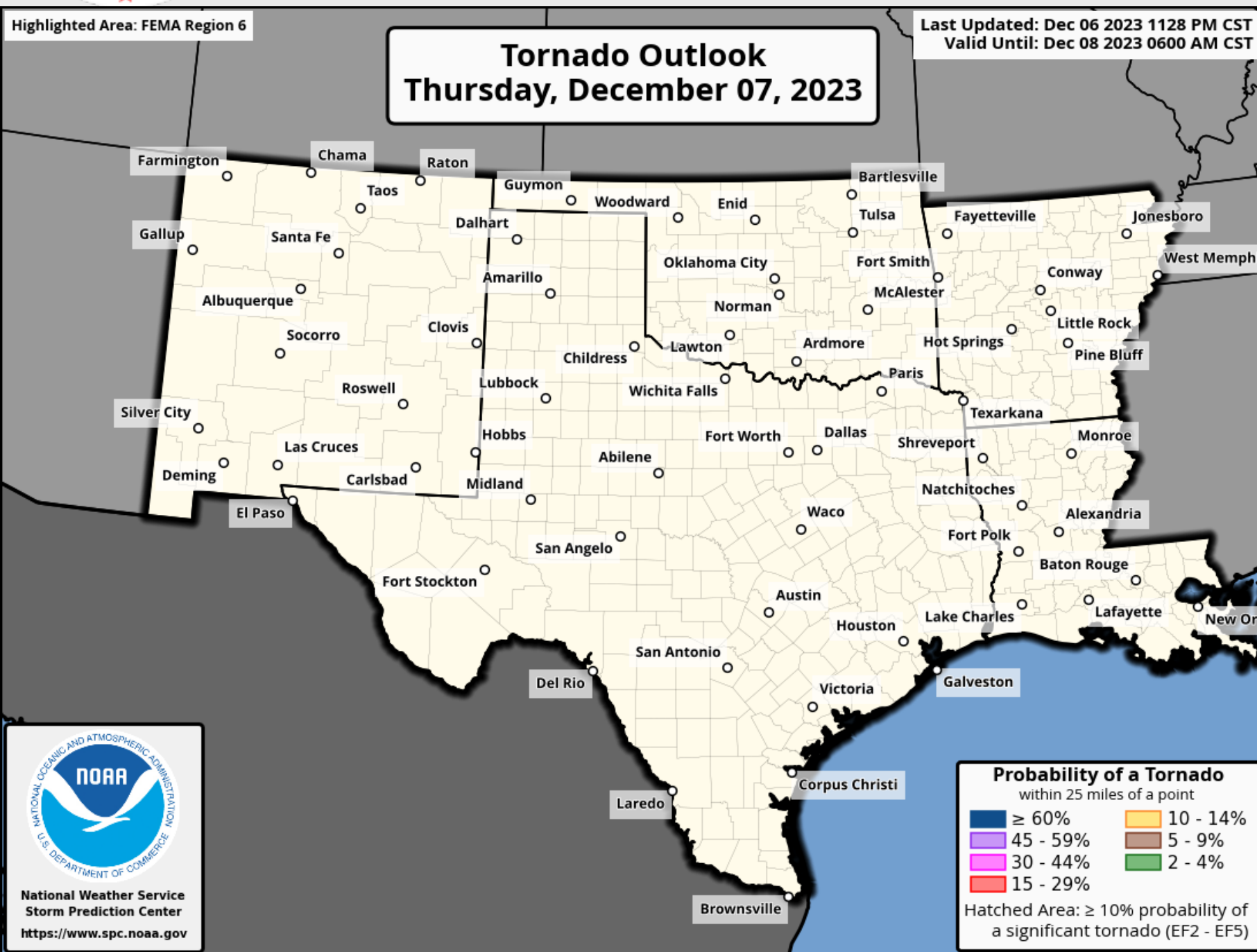


Excessive Rainfall Outlook





Today's Tornado & Severe Wind / Hail Probabilities

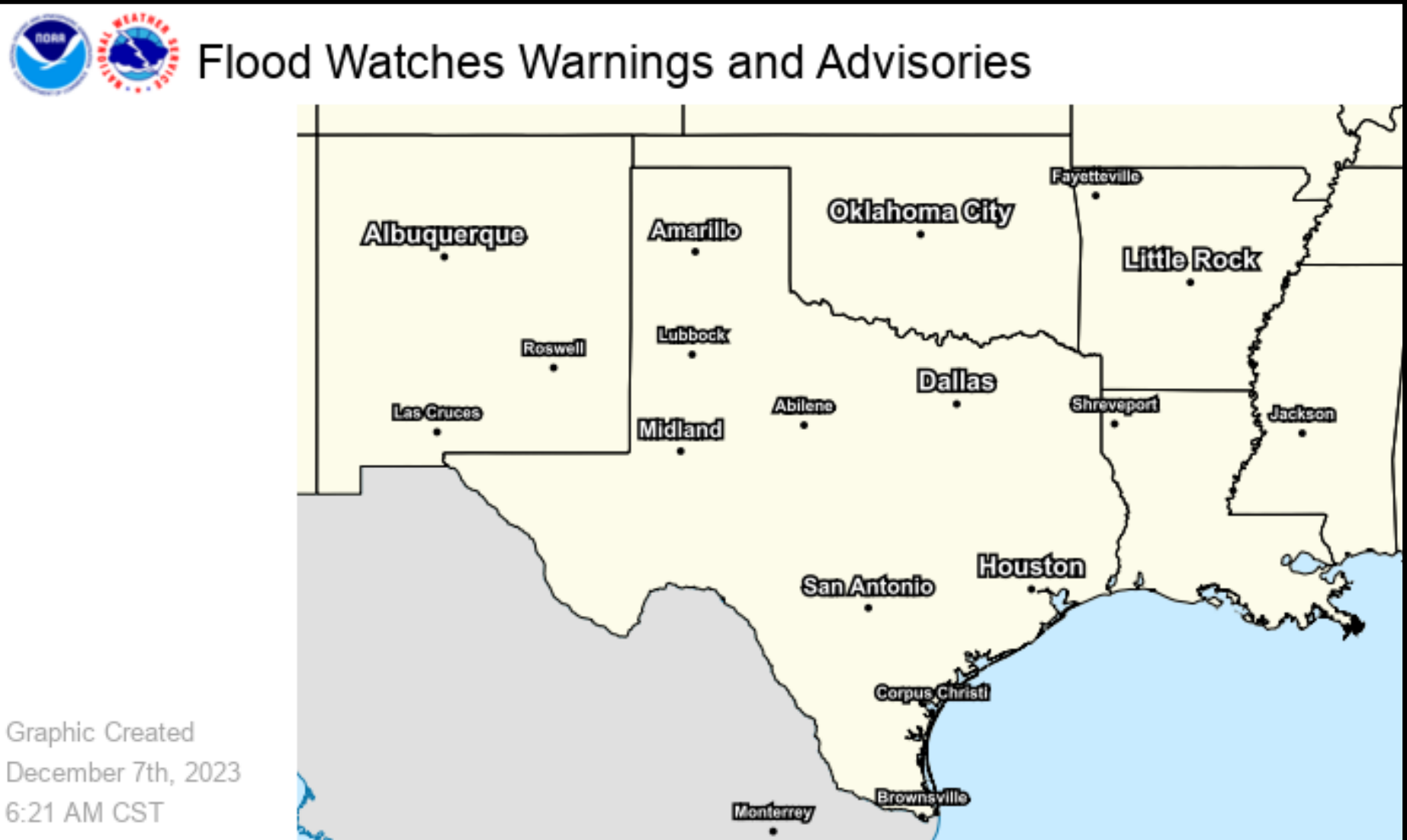
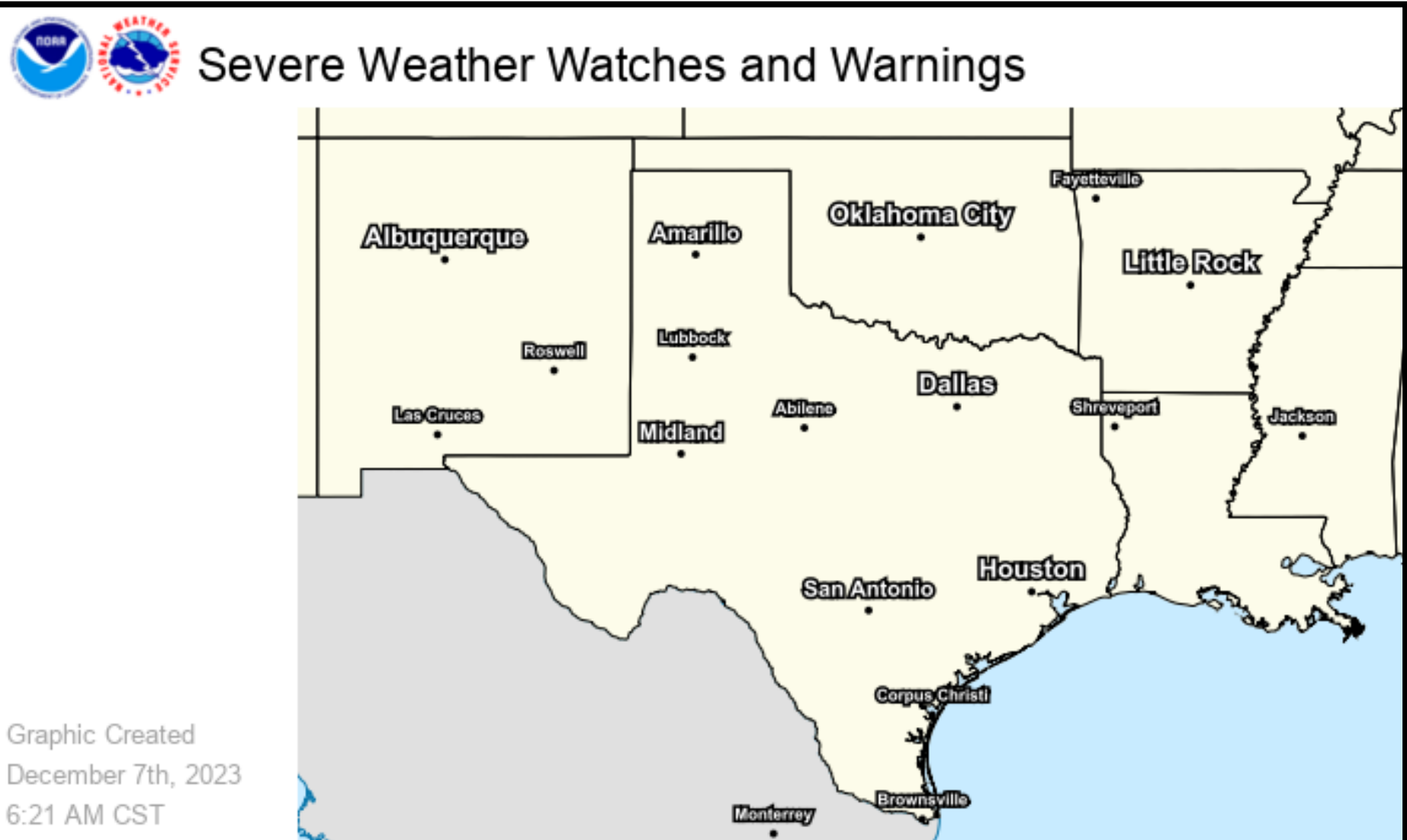
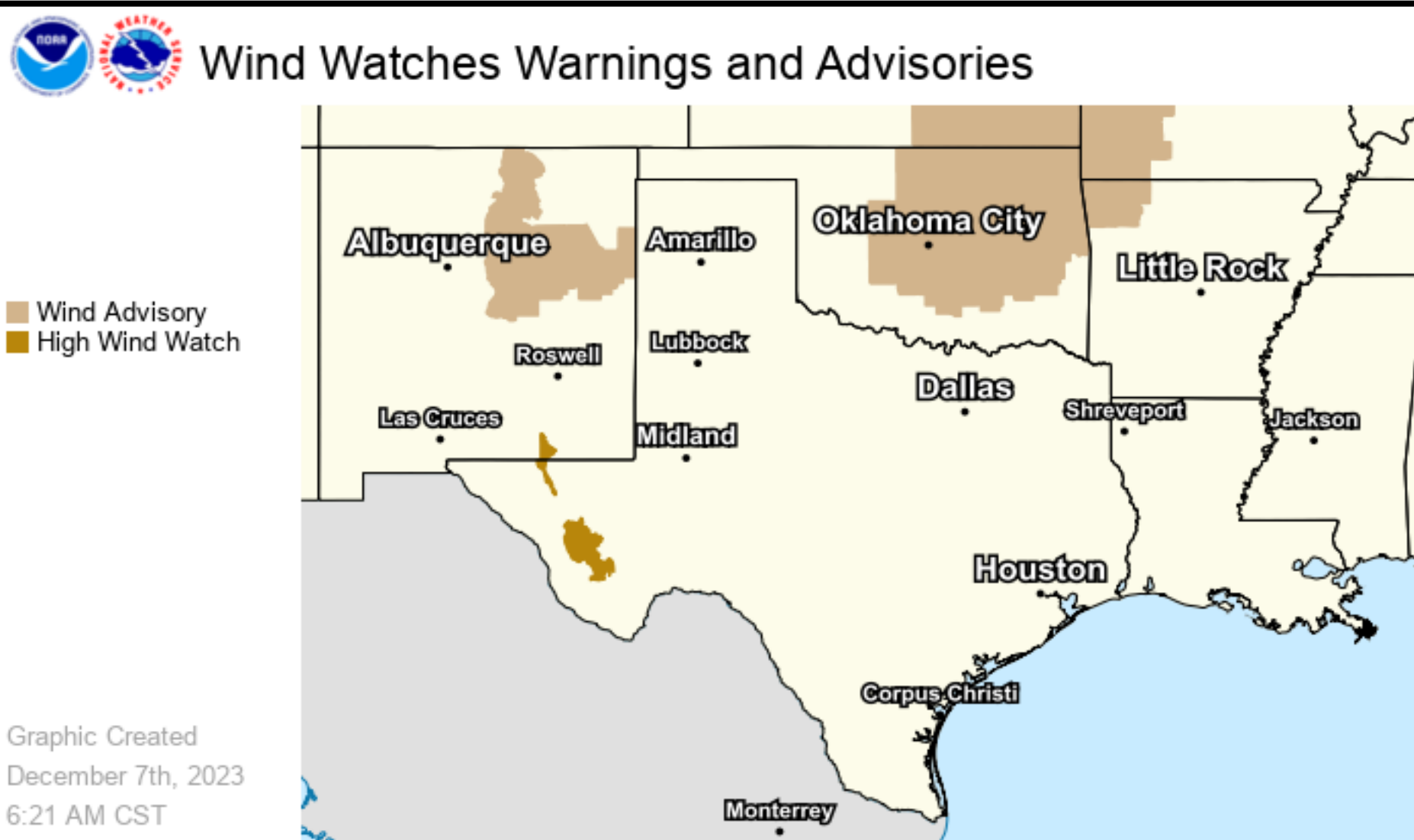




Watches, Warnings, and Advisories

Wind, Severe, Winter, and Flood Hazards

High wind watches/warnings across N/NE NM, OK, and portions of west Texas as winds may gust up to 40-45 mph.





Winter Weather

Thursday - Saturday

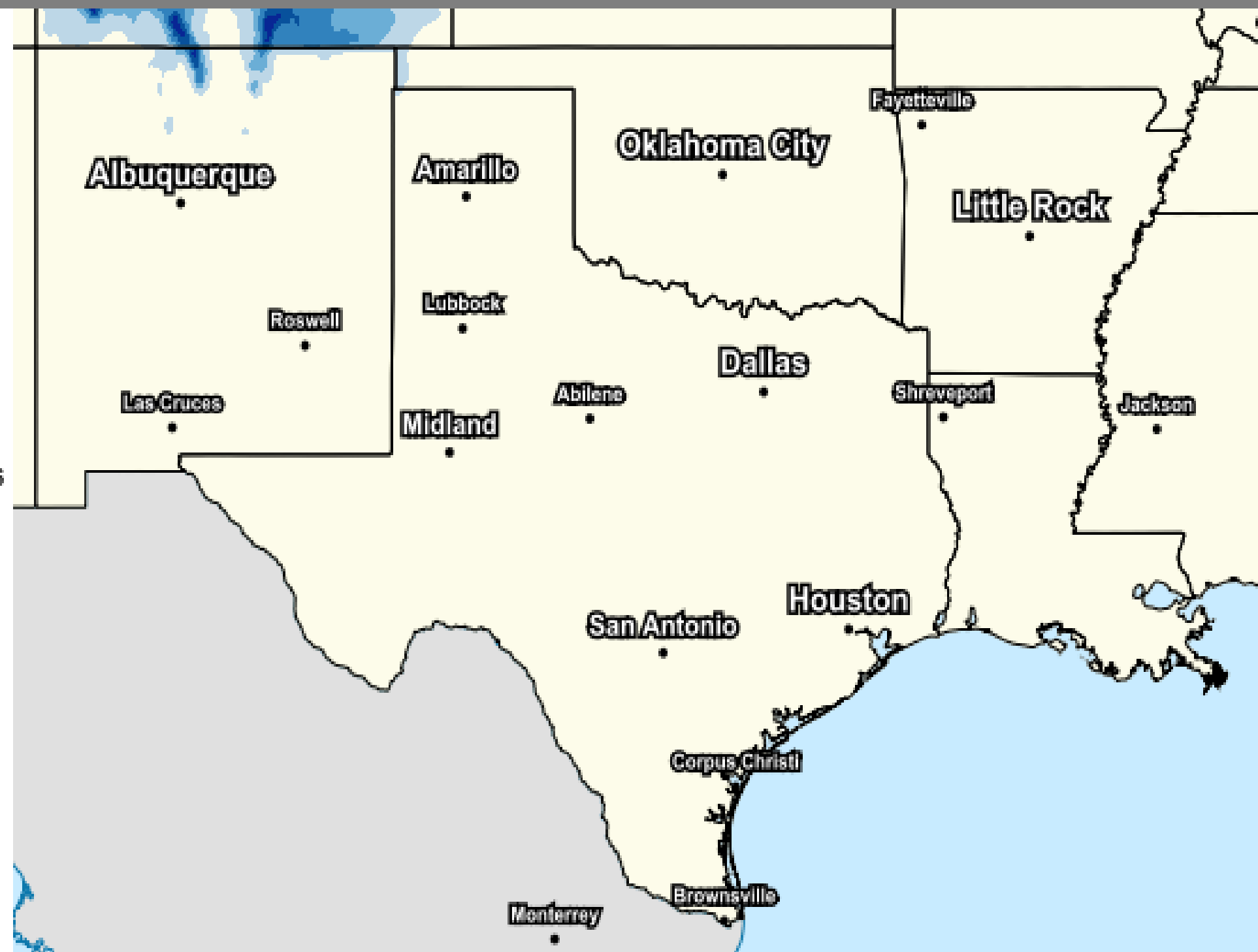
Forecast Snow Amounts



Forecast Snowfall

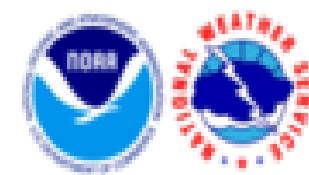
Valid Ending Sunday December 10th, 2023 at 6 AM CST

- 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
December 7th, 2023
6:21 AM CST

Forecast Ice Amounts



Ice Accumulation Forecast

Valid Ending Sunday December 10th, 2023 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

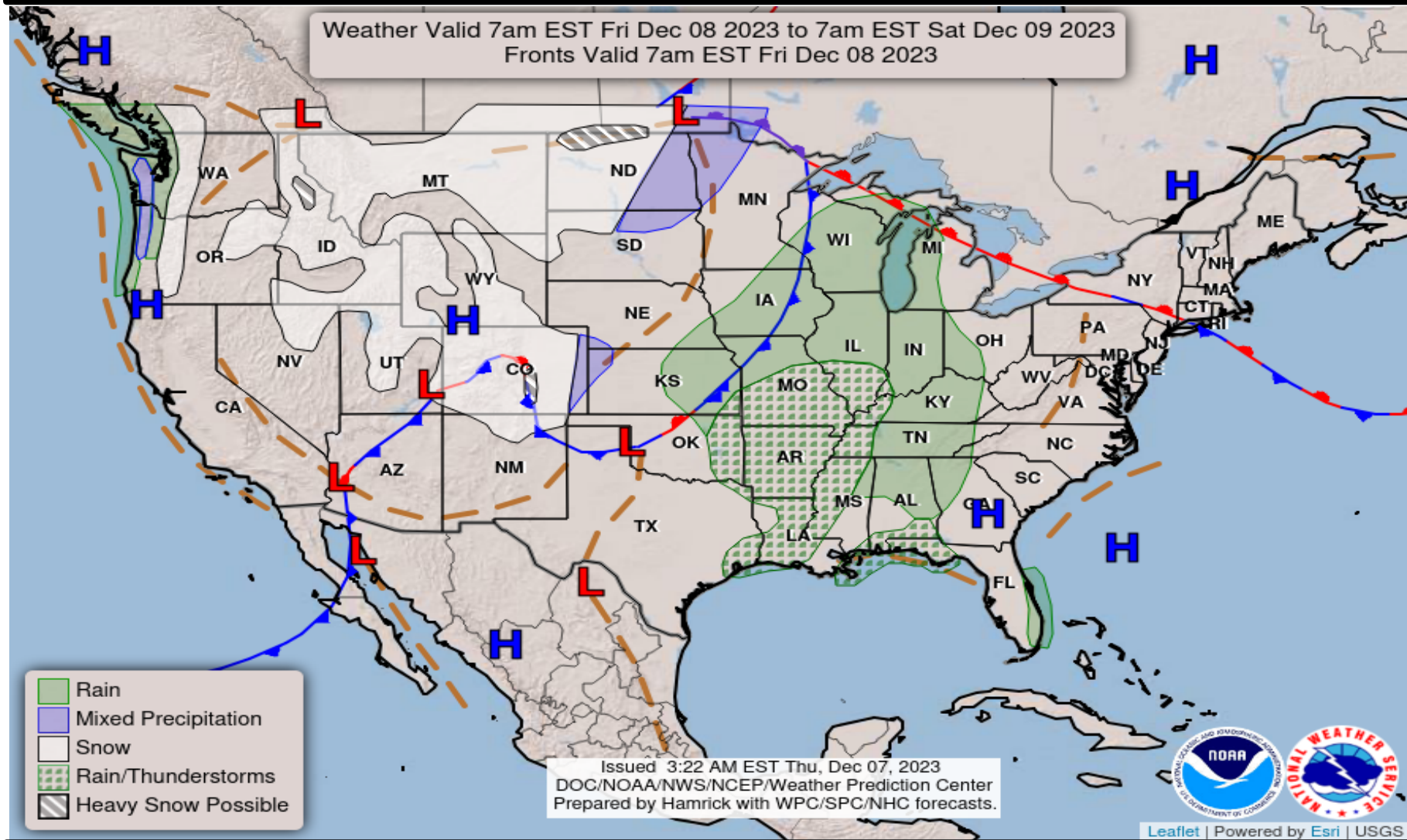


Graphic Created
December 7th, 2023
6:21 AM CST

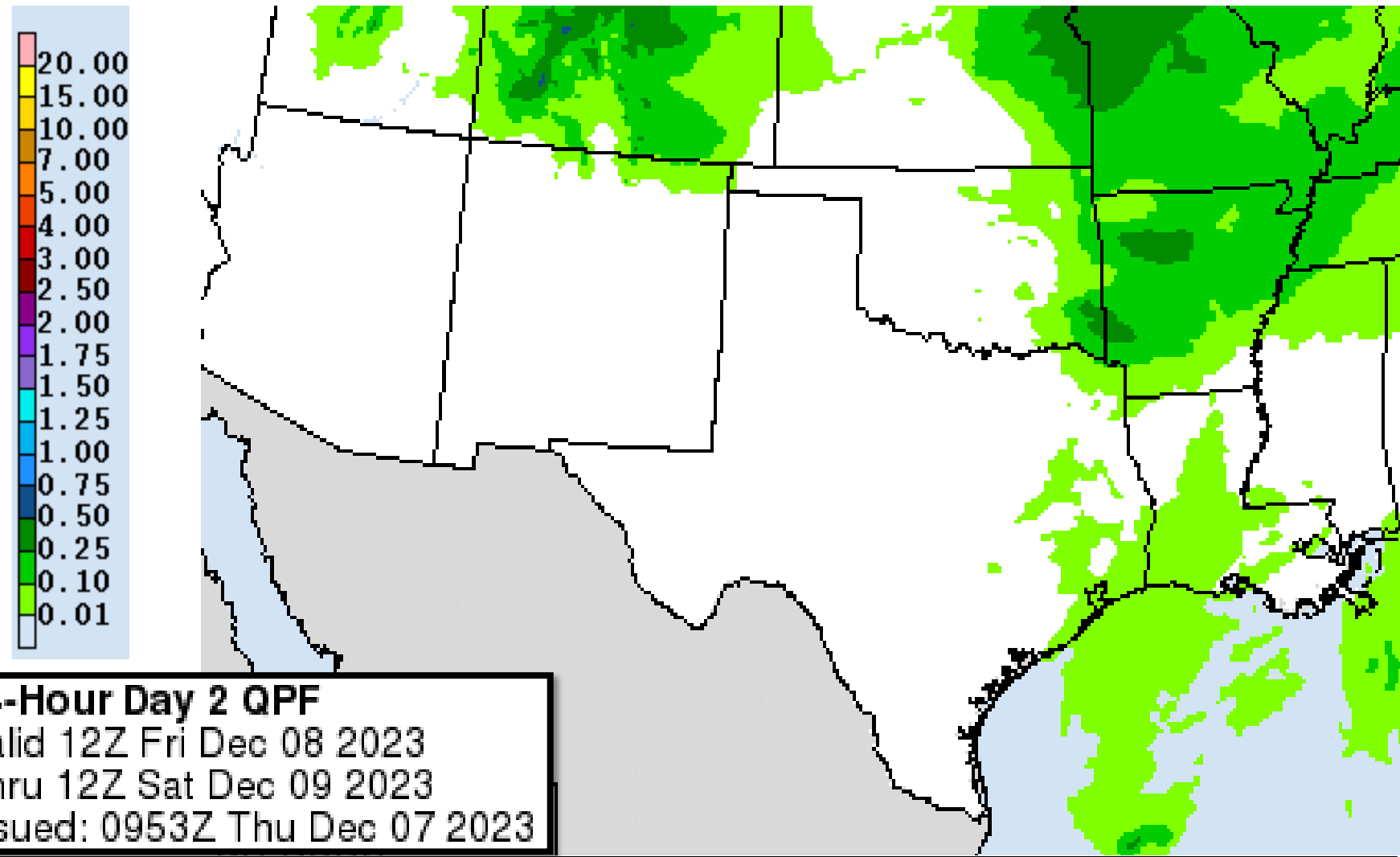


Tomorrow's Weather

Forecast Chart



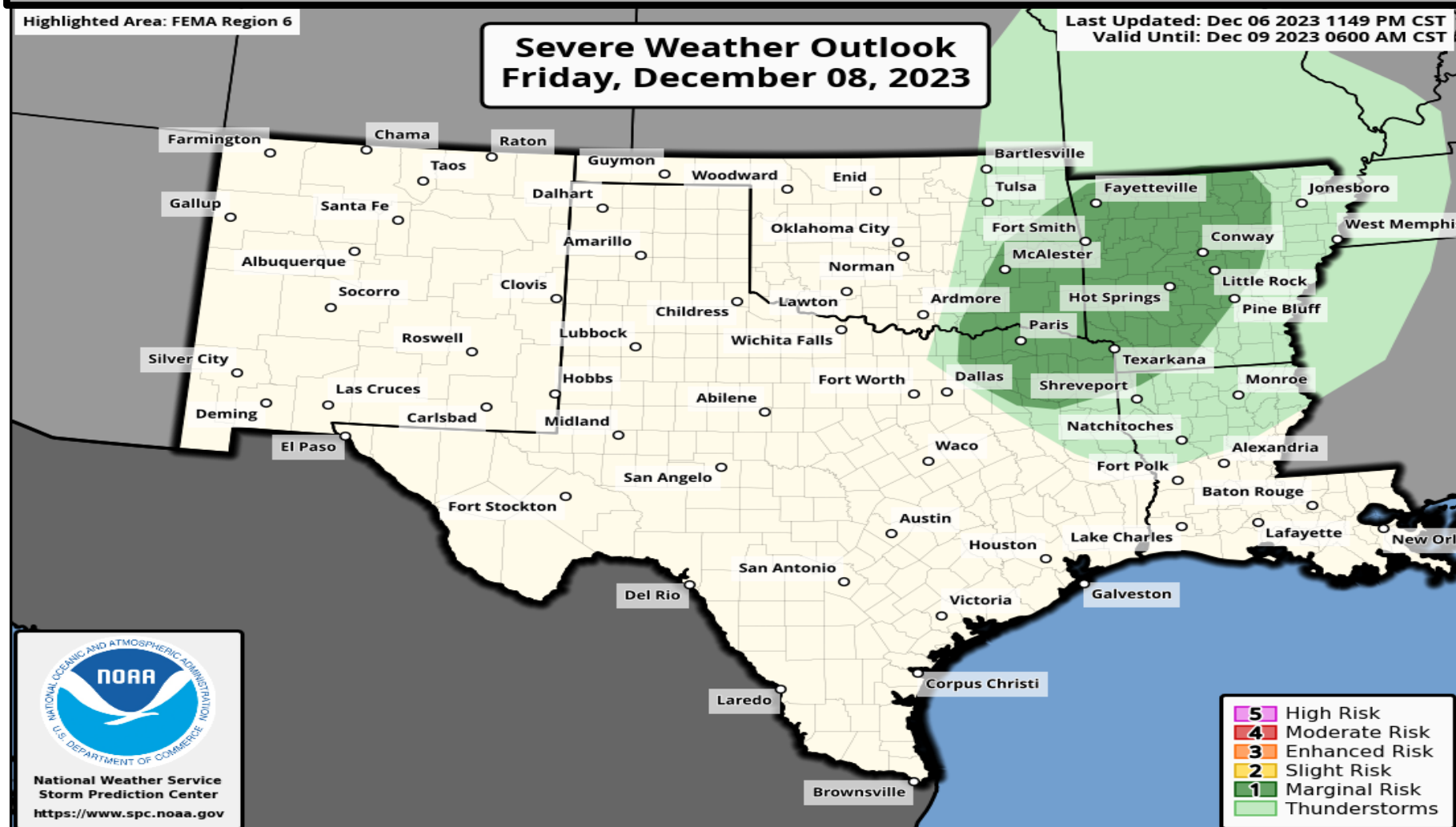
Forecast Rainfall



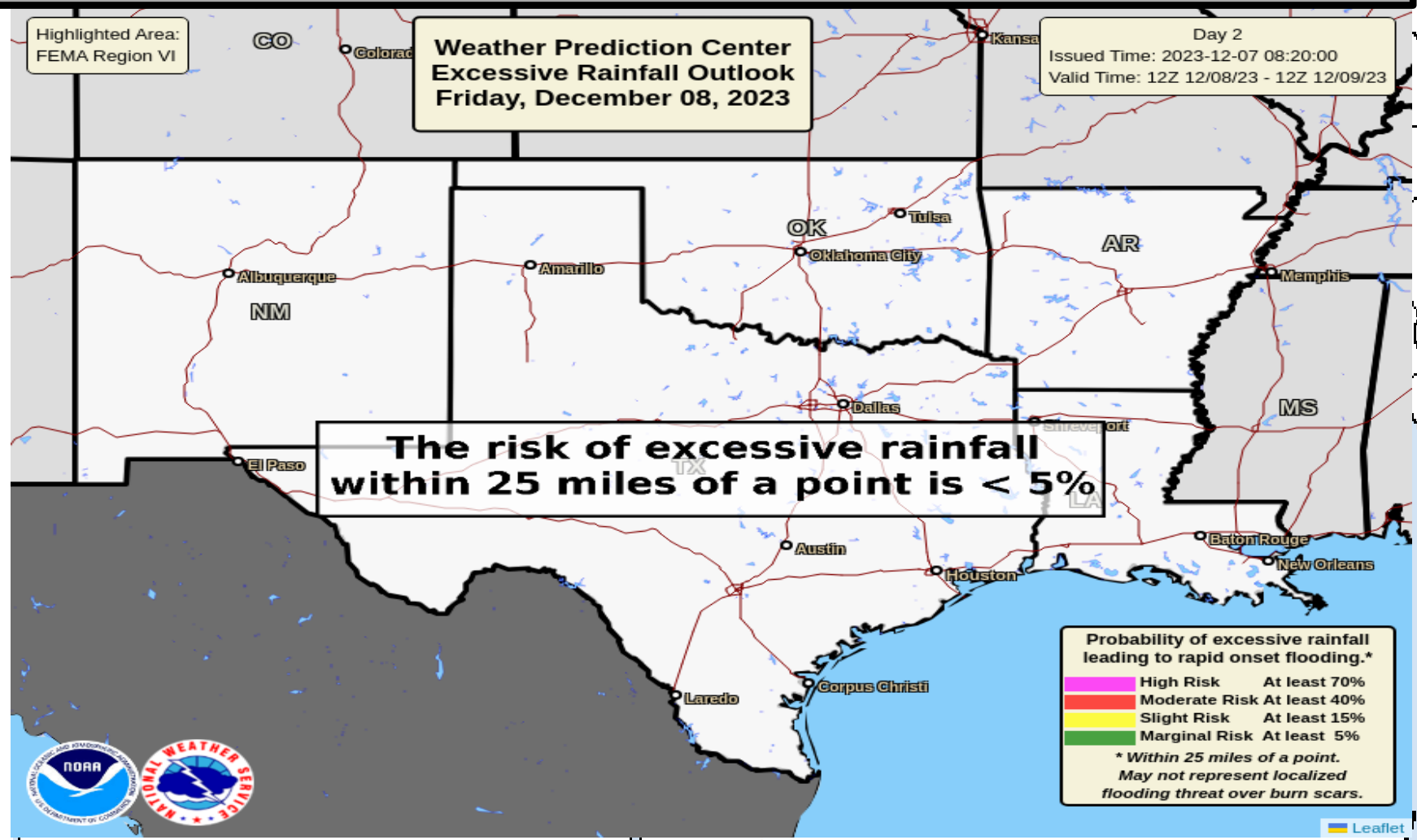
Elevated fire weather conditions for S NM, W TX, and the TX S Plains.

Marginal risk of severe storms in E OK, W AR, and NE TX.

Severe Weather Outlook

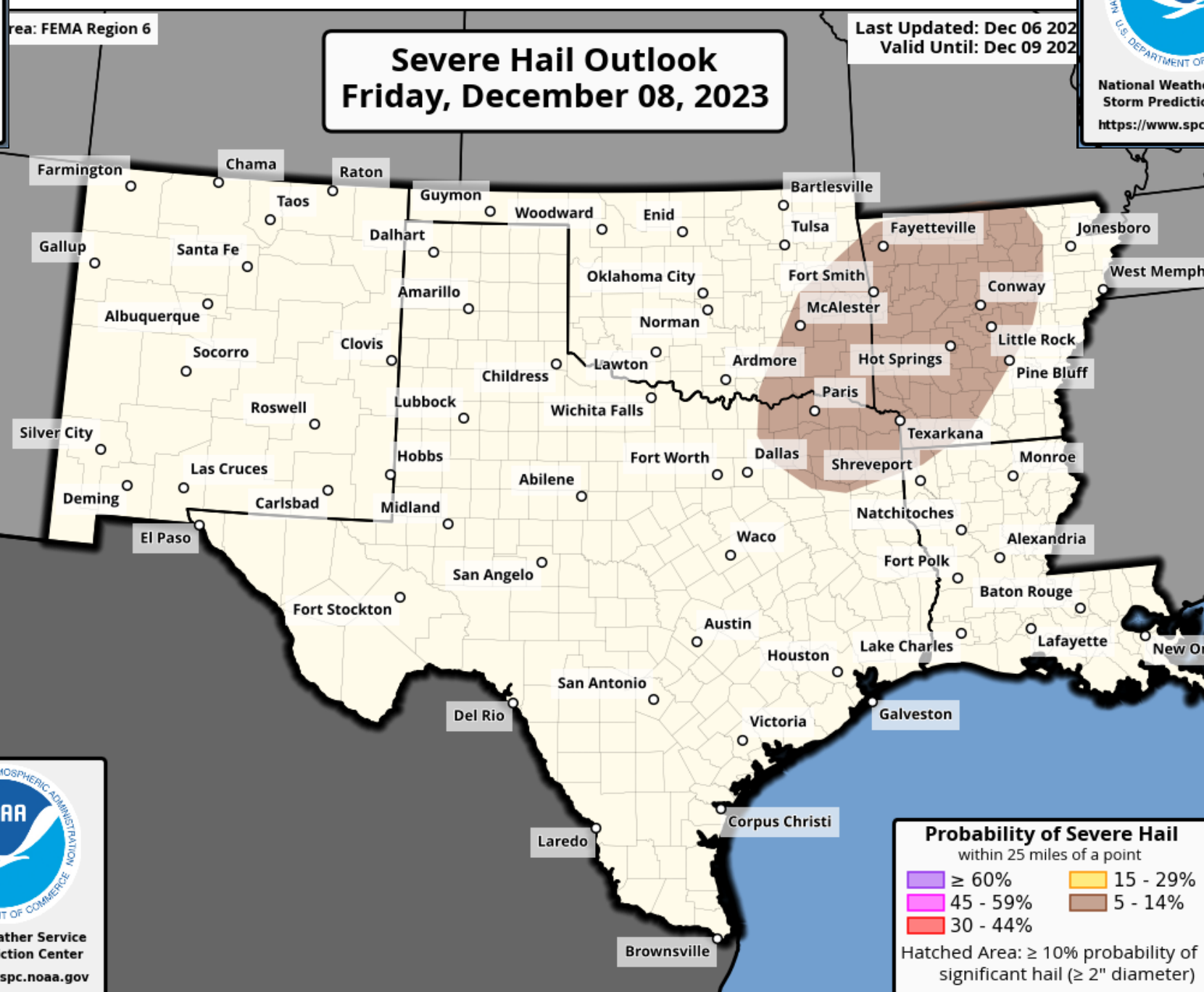
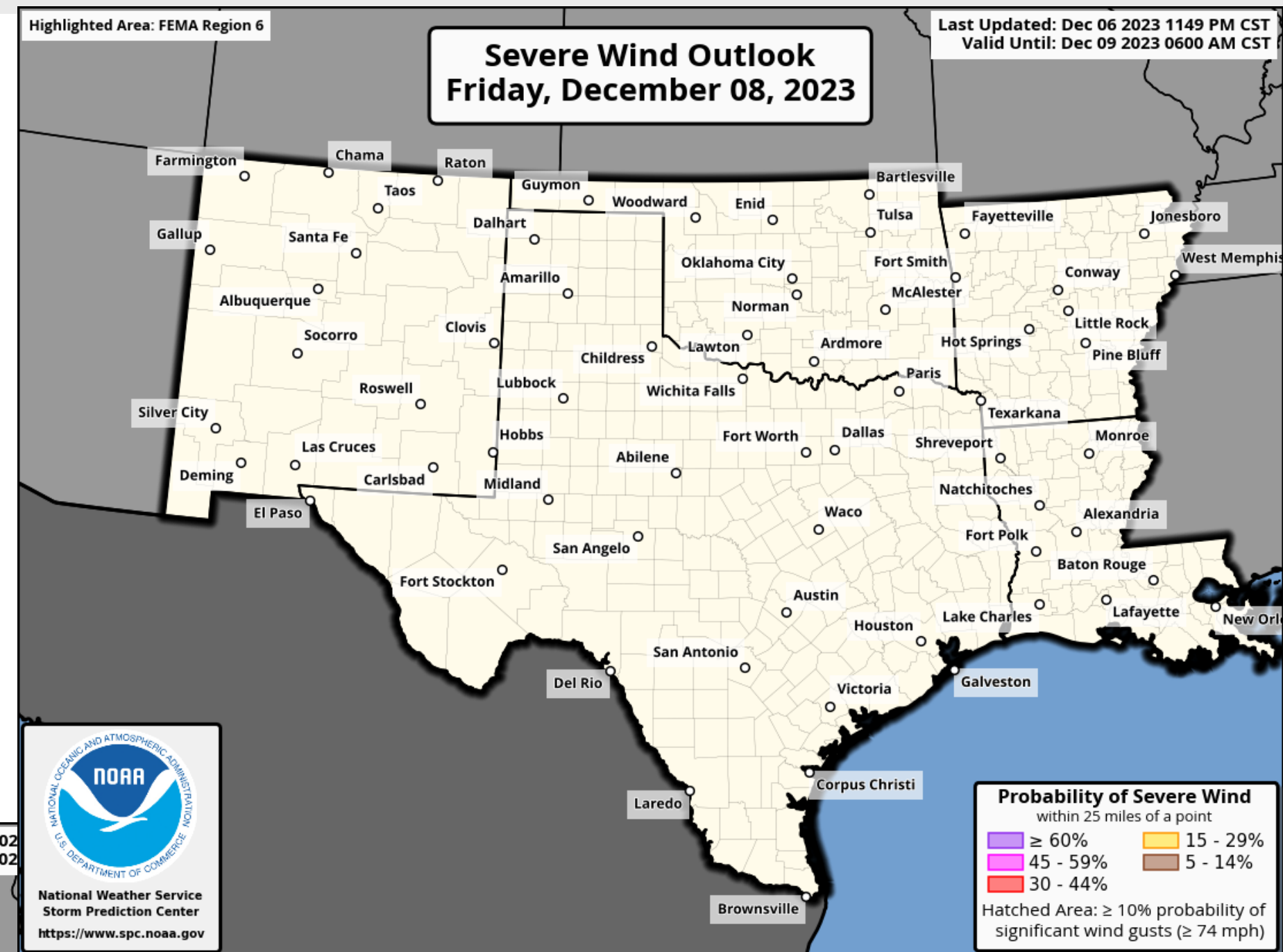
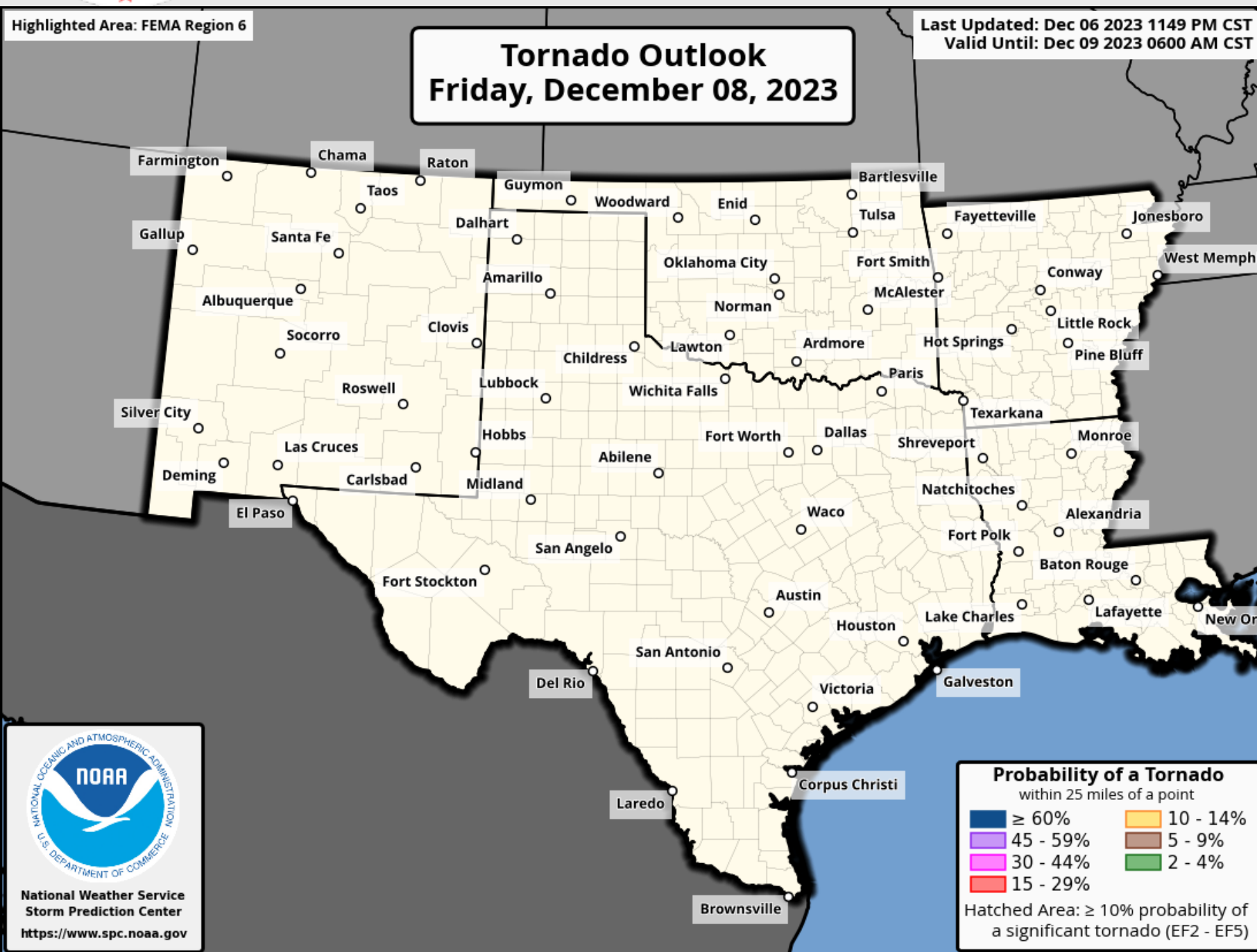


Excessive Rainfall Outlook





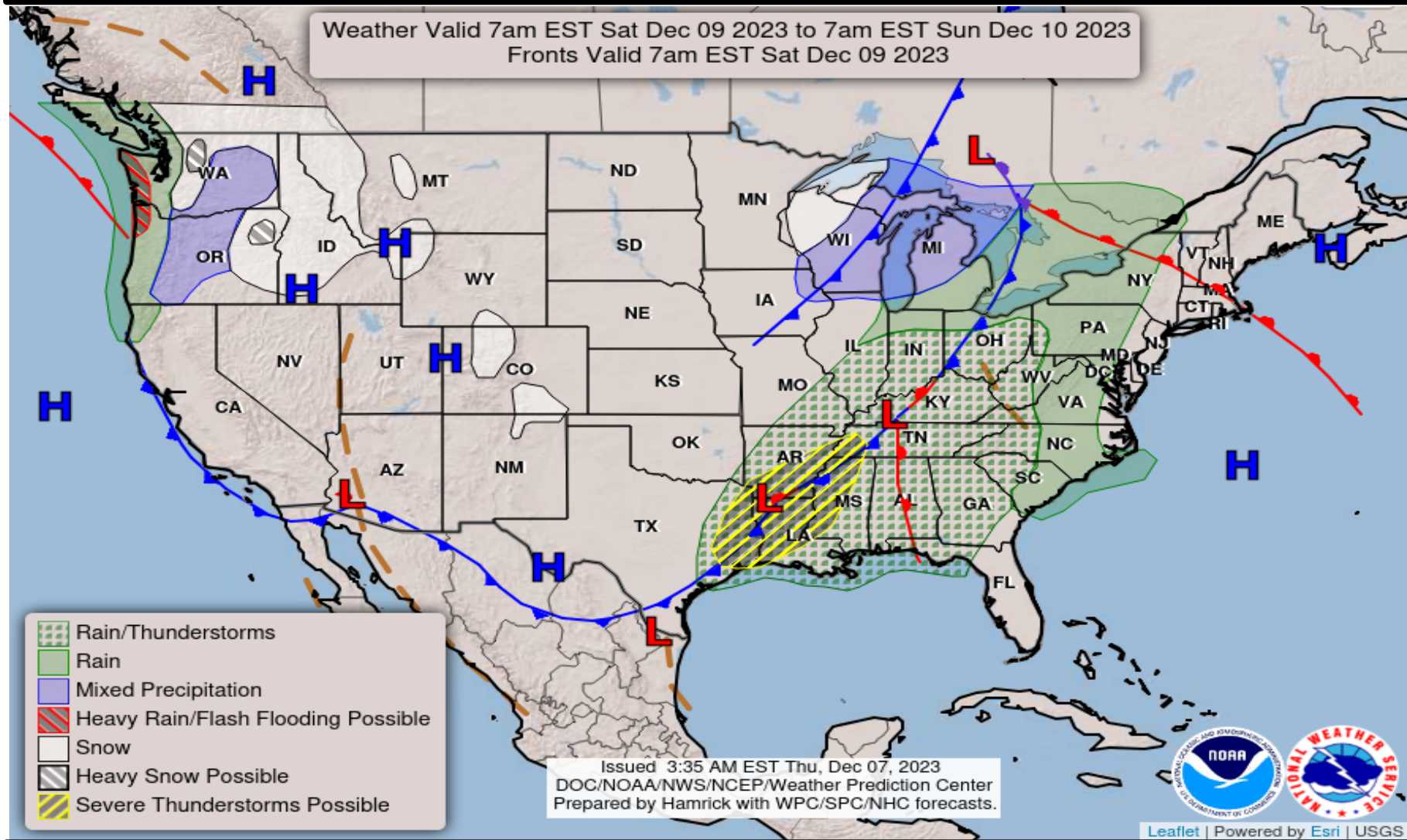
Tomorrow's Tornado & Severe Wind / Hail Probabilities



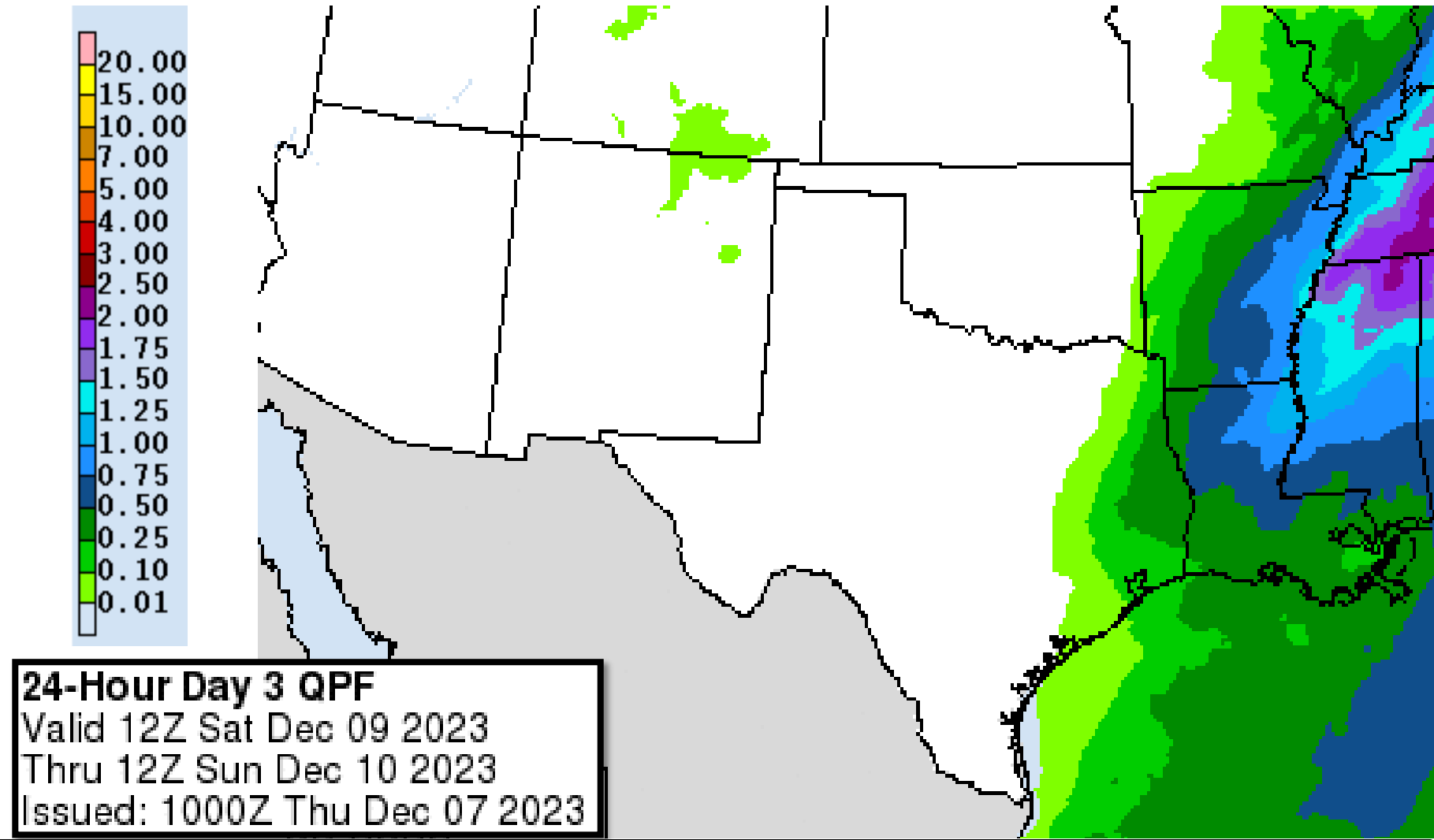


Saturday's Weather

Forecast Chart



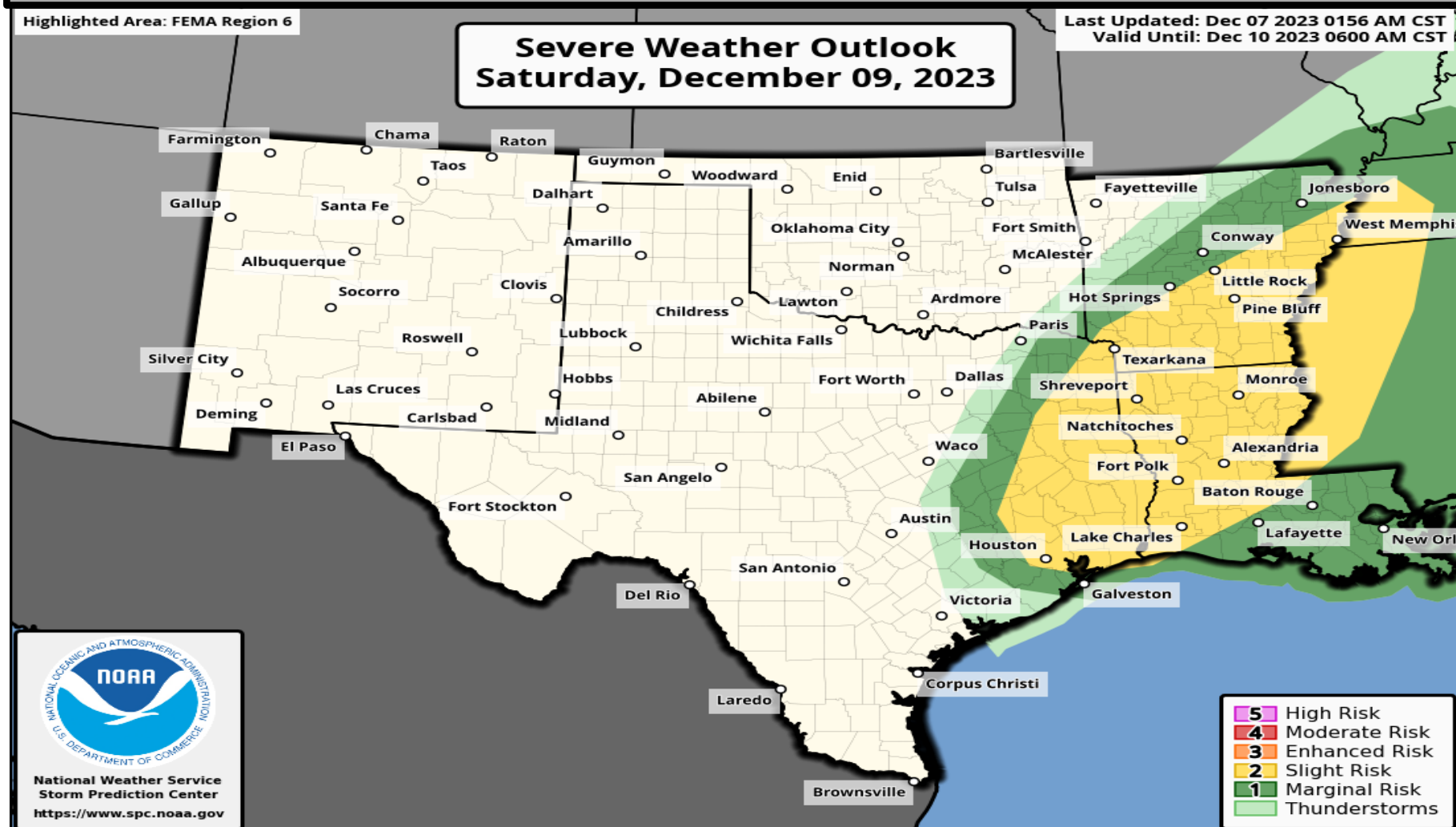
Forecast Rainfall



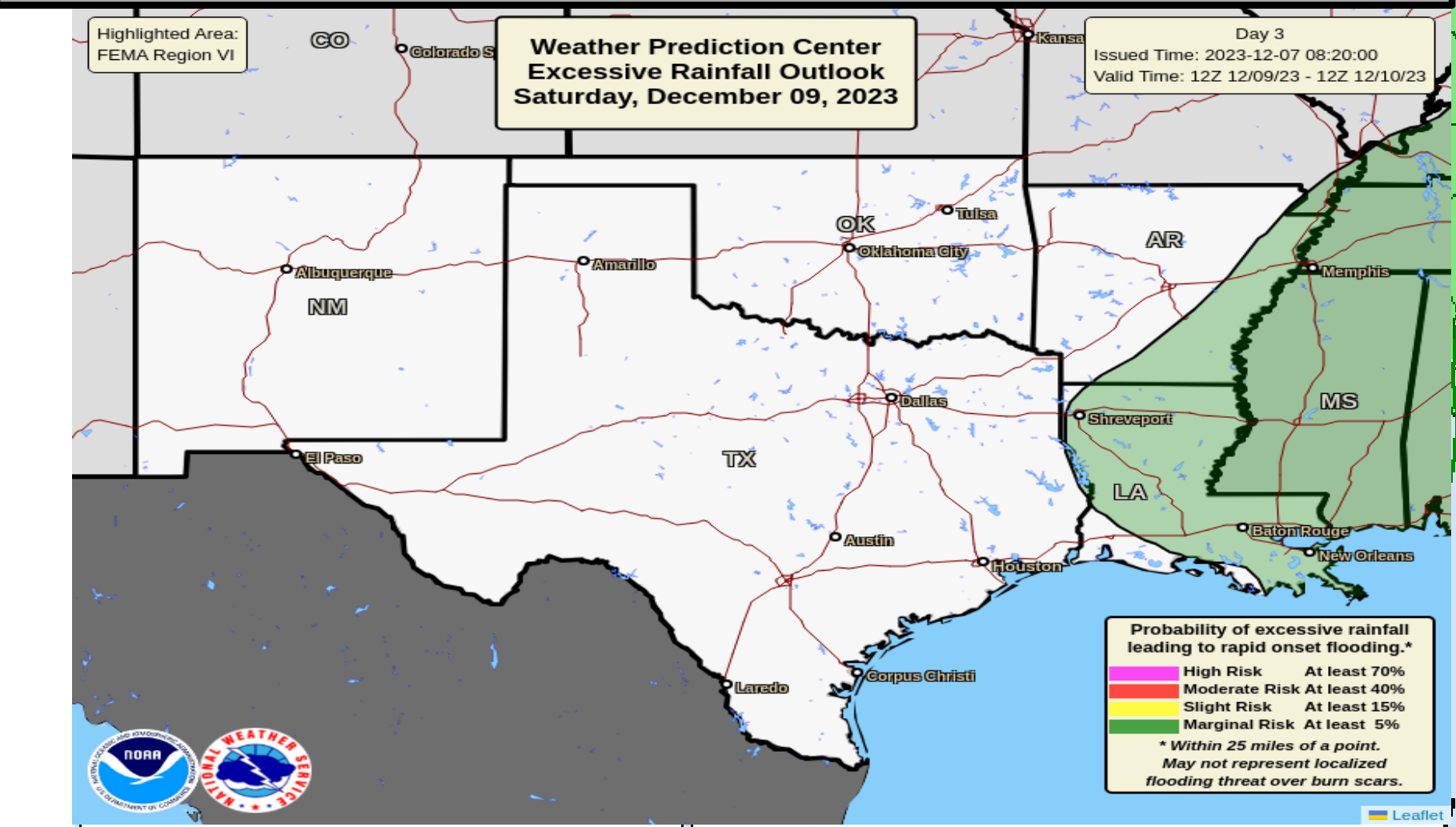
Slight risk of severe storms for E/SE TX, AR, and LA.

Marginal risk for excessive rainfall/flash flooding for AR and LA.

Severe Weather Outlook



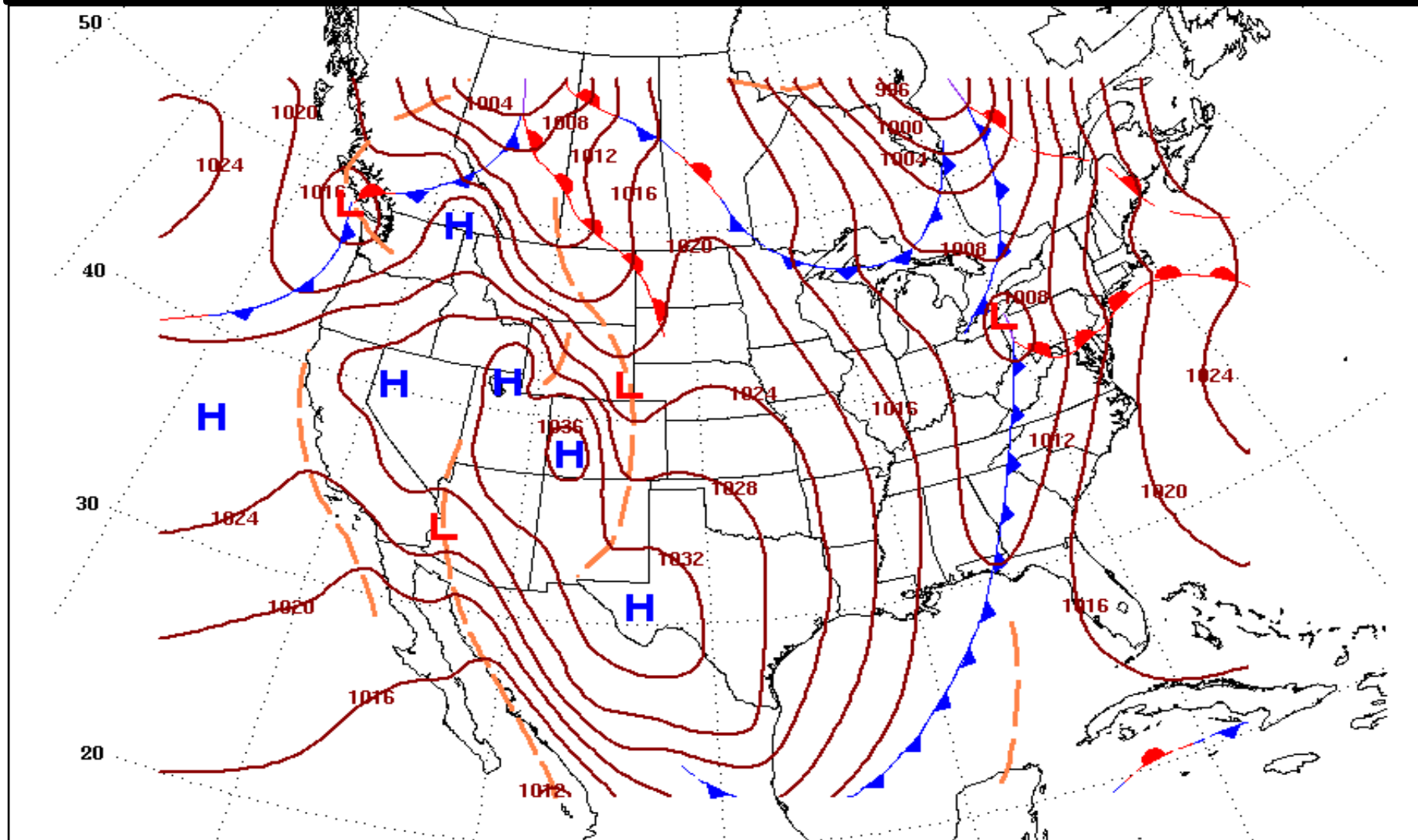
Excessive Rainfall Outlook



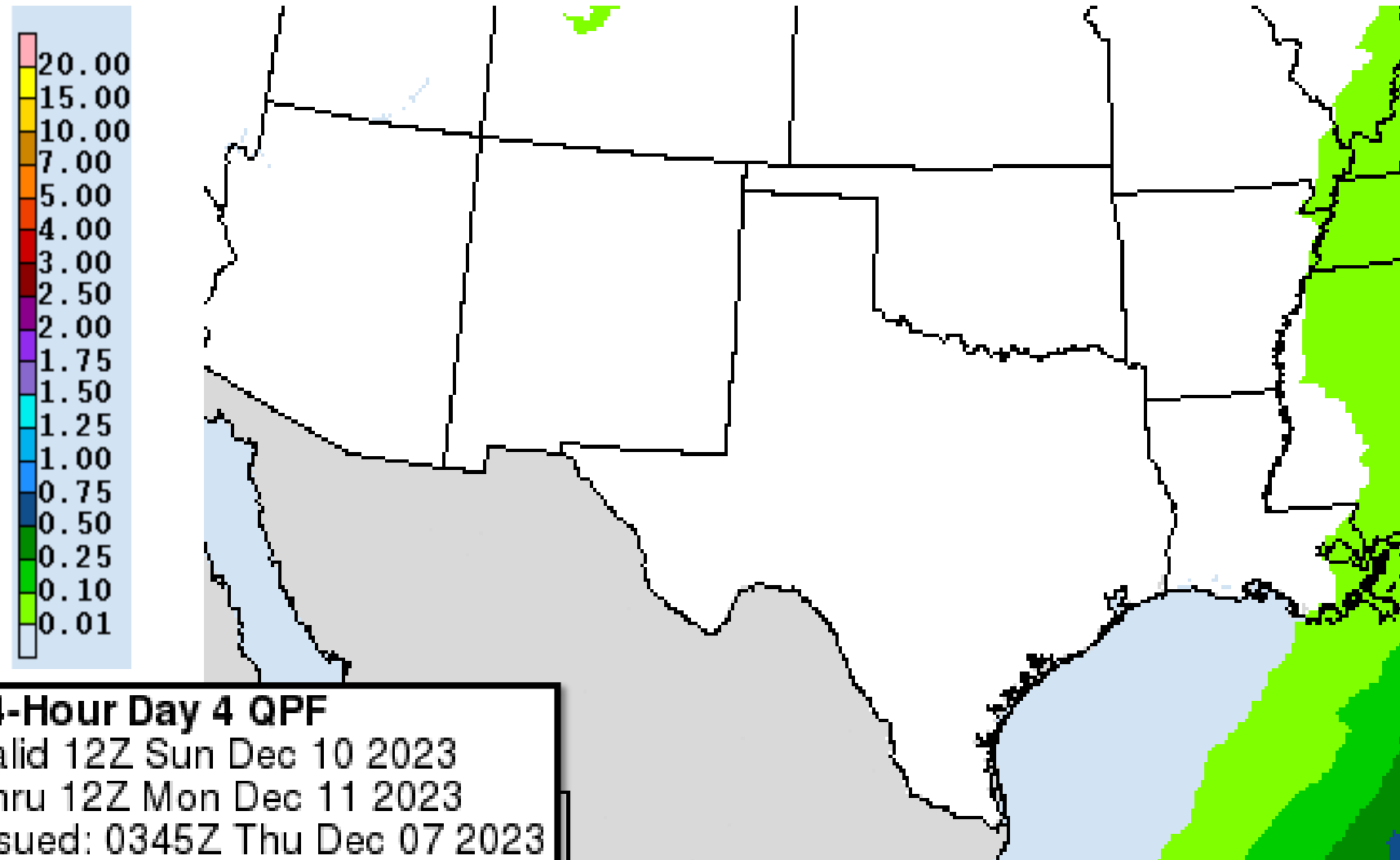


Sunday's Weather

Forecast Chart



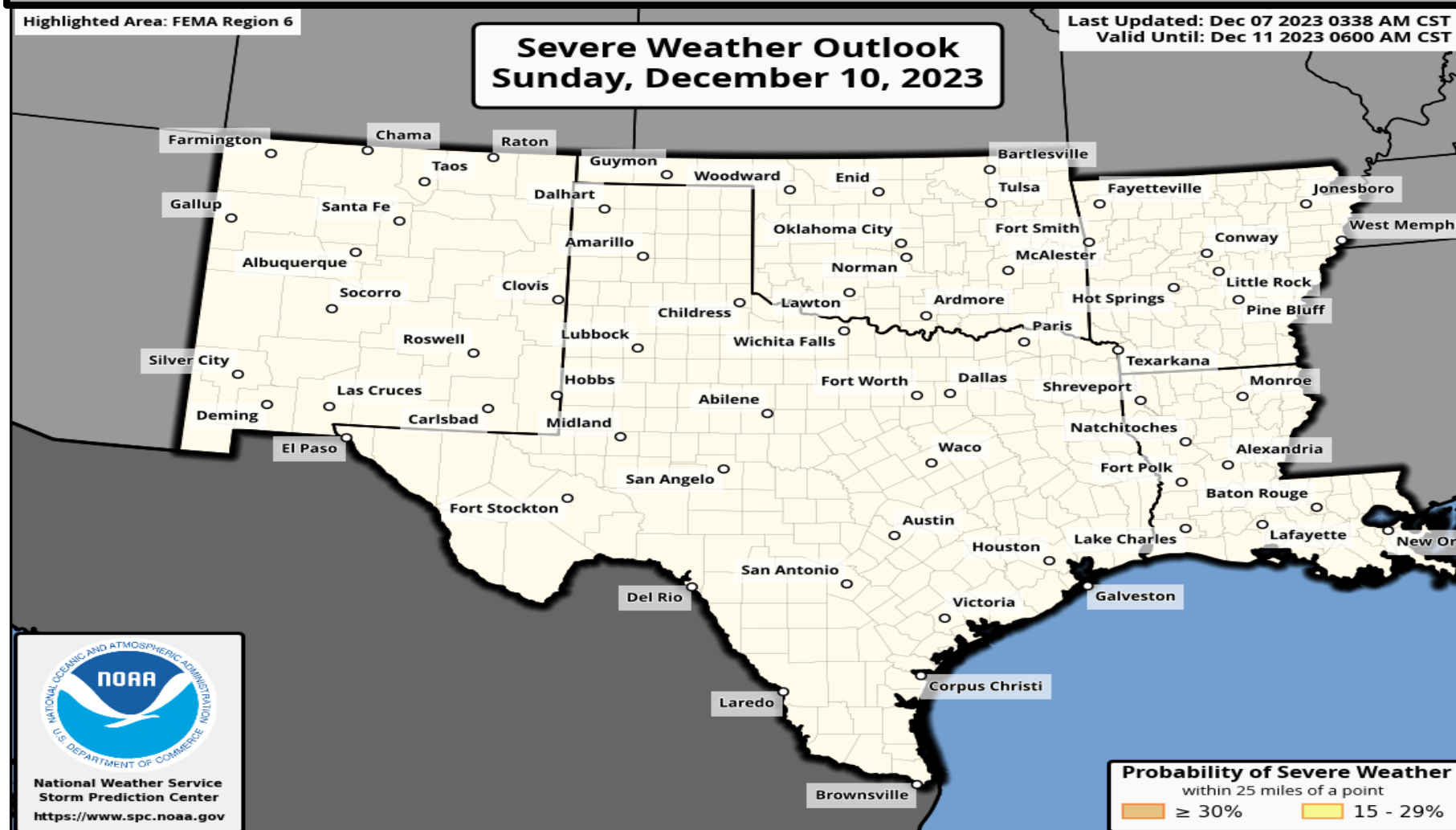
Forecast Rainfall



No significant weather expected.

24-Hour Day 4 QPF
Valid 12Z Sun Dec 10 2023
Thru 12Z Mon Dec 11 2023
Issued: 0345Z Thu Dec 07 2023

Severe Weather Outlook



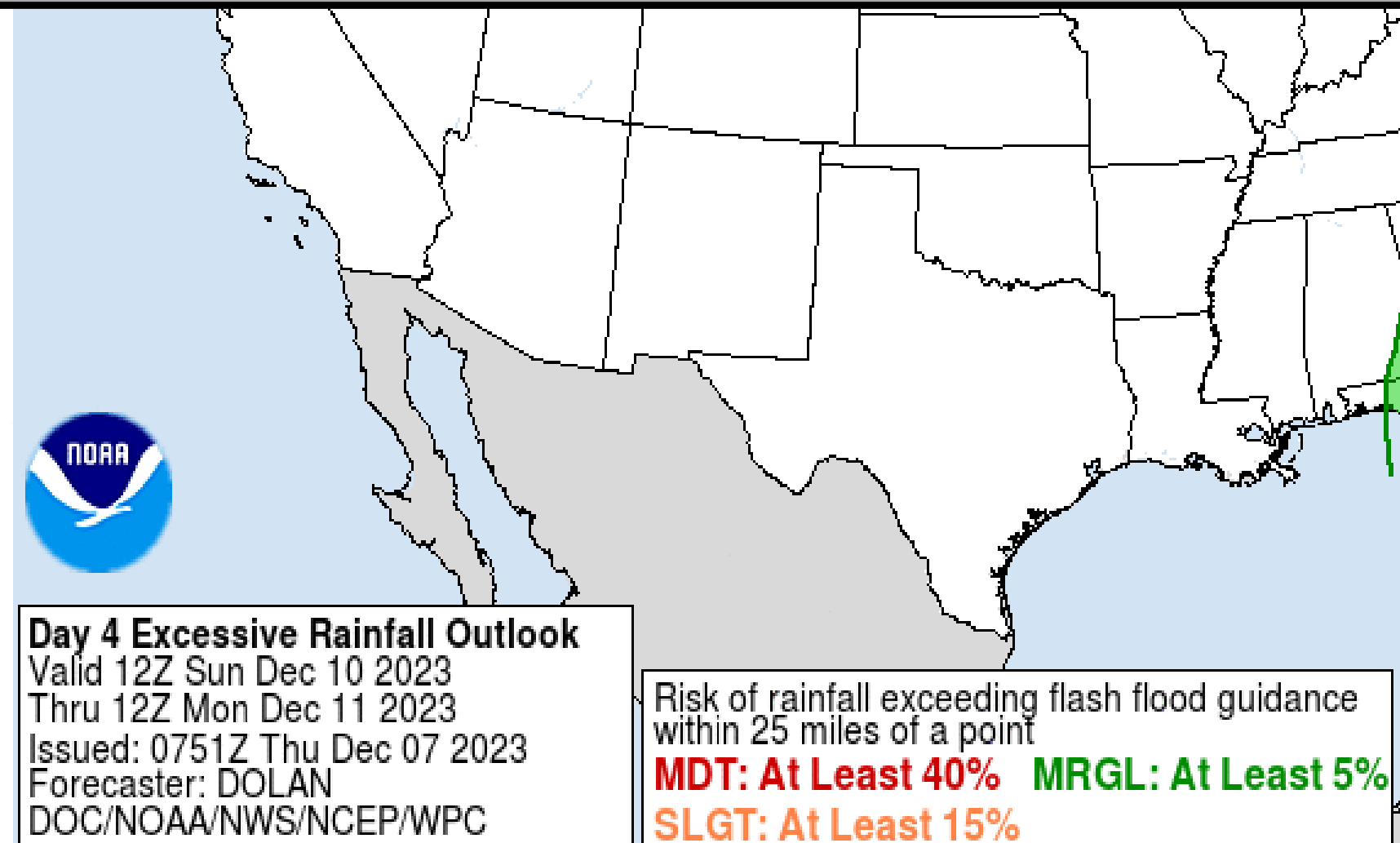
Severe Weather Outlook
Sunday, December 10, 2023

Last Updated: Dec 07 2023 0338 AM CST
Valid Until: Dec 11 2023 0600 AM CST



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

Excessive Rainfall Outlook



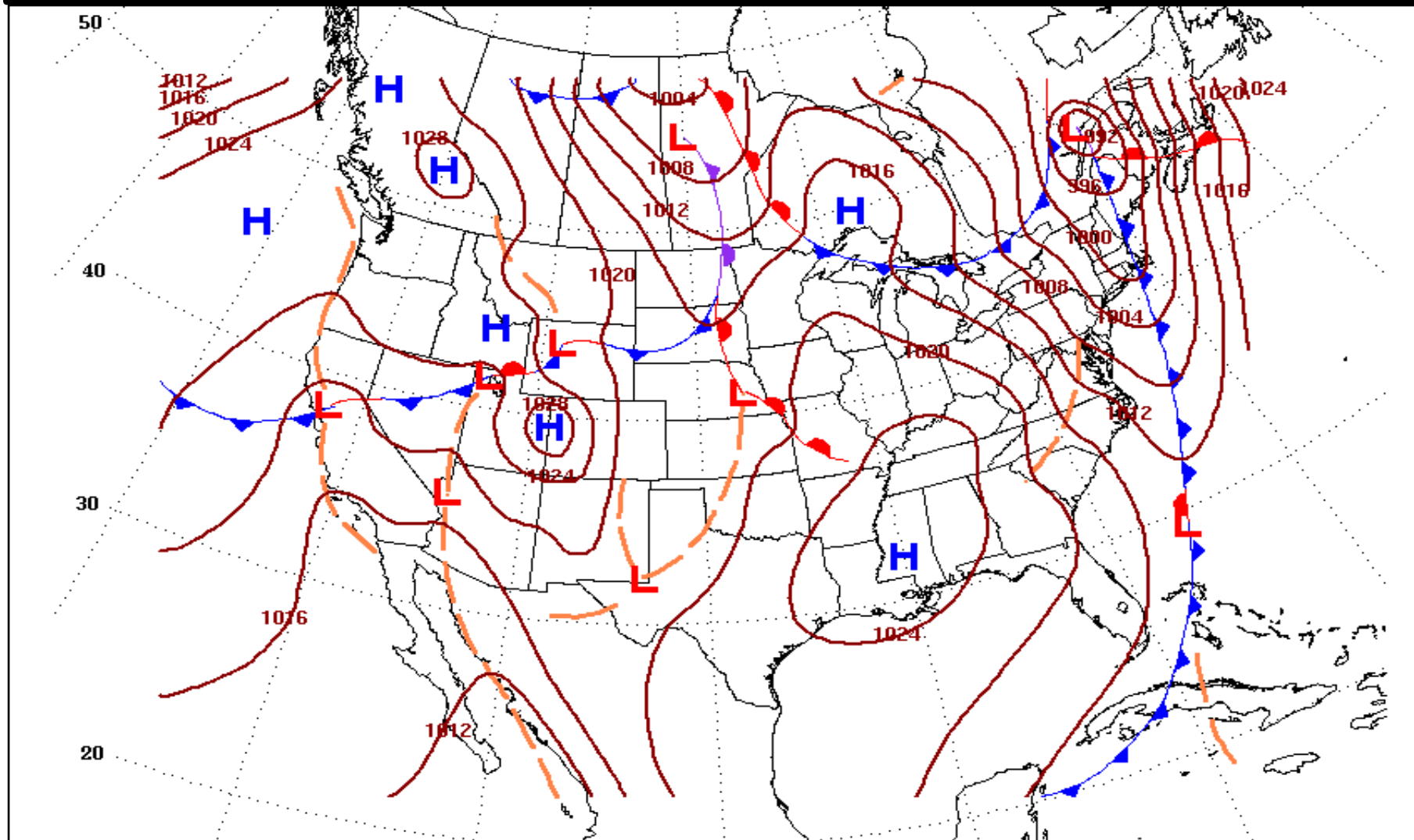
Day 4 Excessive Rainfall Outlook
Valid 12Z Sun Dec 10 2023
Thru 12Z Mon Dec 11 2023
Issued: 0751Z Thu Dec 07 2023
Forecaster: DOLAN
DOC/NOAA/NWS/NCEP/WPC

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%

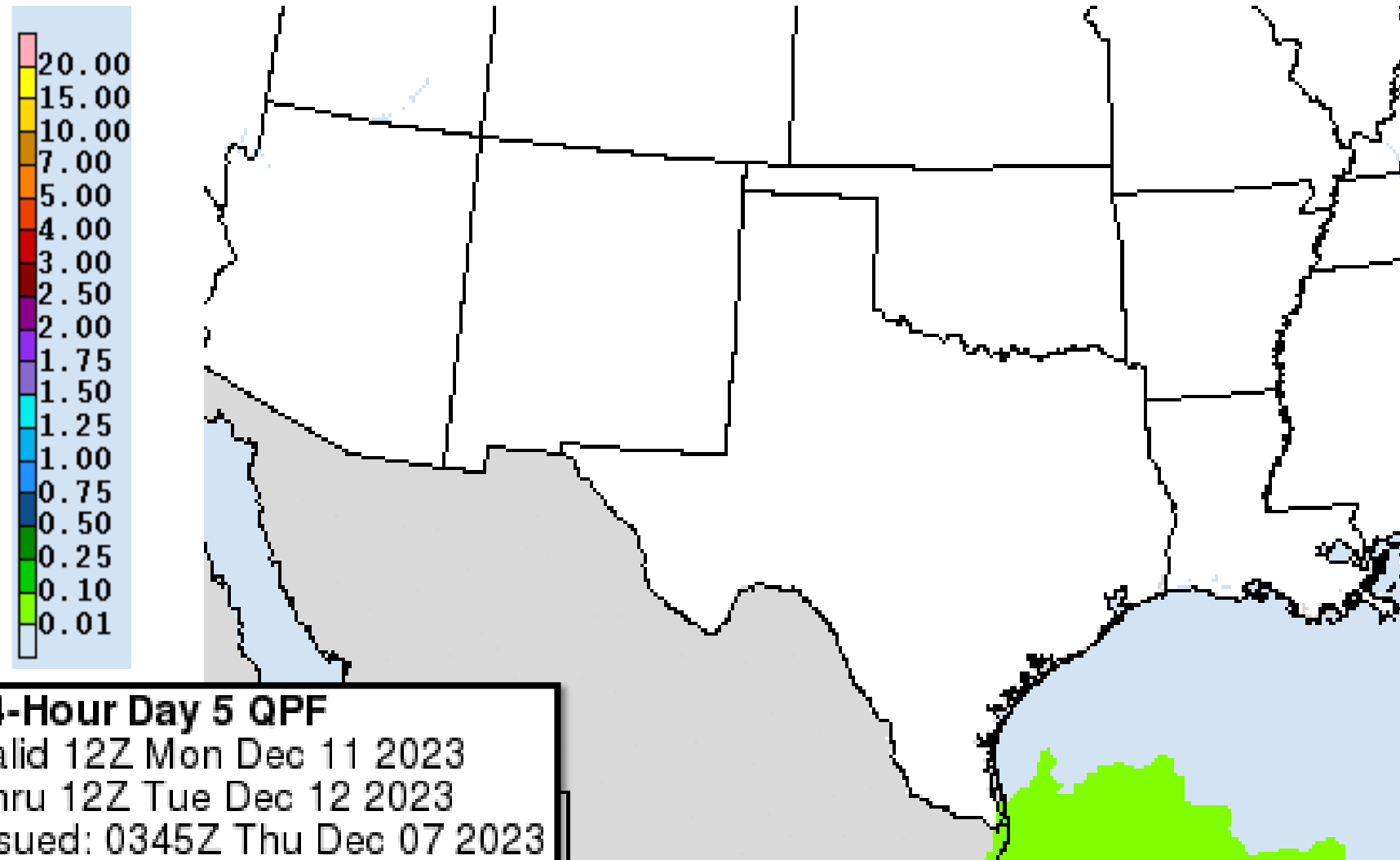


Monday's Weather

Forecast Chart



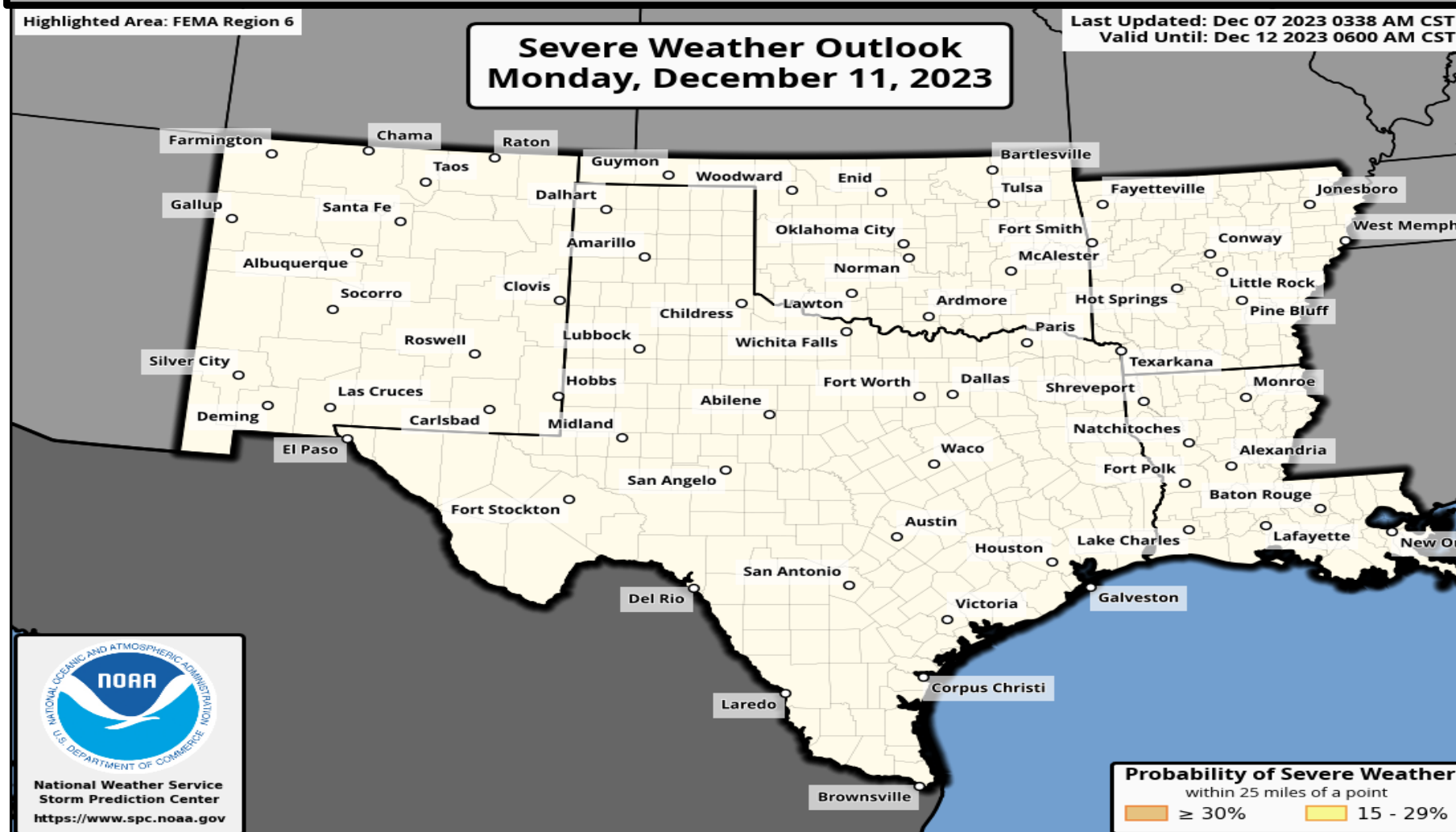
Forecast Rainfall



No significant weather expected.

24-Hour Day 5 QPF
Valid 12Z Mon Dec 11 2023
Thru 12Z Tue Dec 12 2023
Issued: 0345Z Thu Dec 07 2023

Severe Weather Outlook

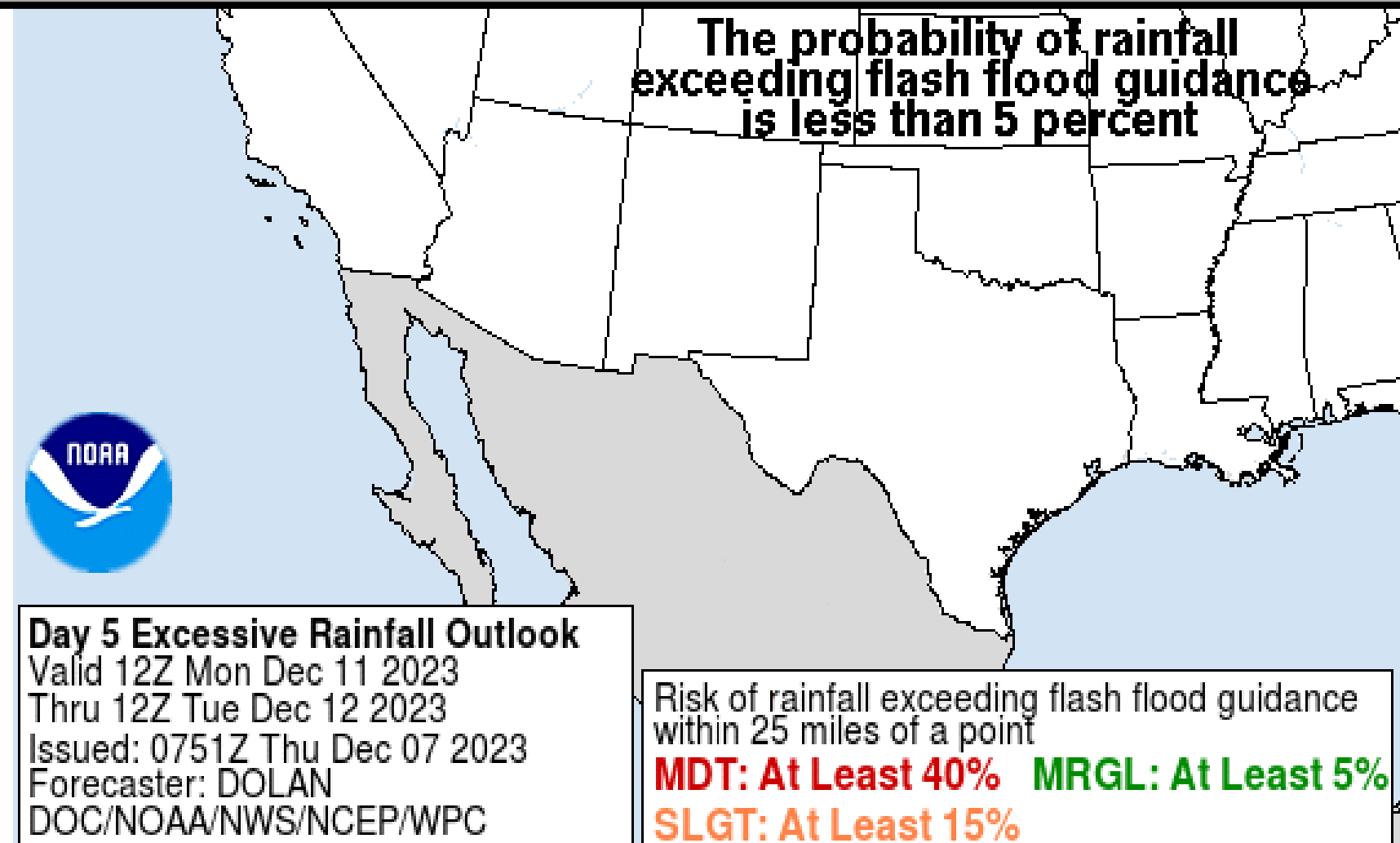


Severe Weather Outlook
Monday, December 11, 2023

Last Updated: Dec 07 2023 0338 AM CST
Valid Until: Dec 12 2023 0600 AM CST

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

Excessive Rainfall Outlook



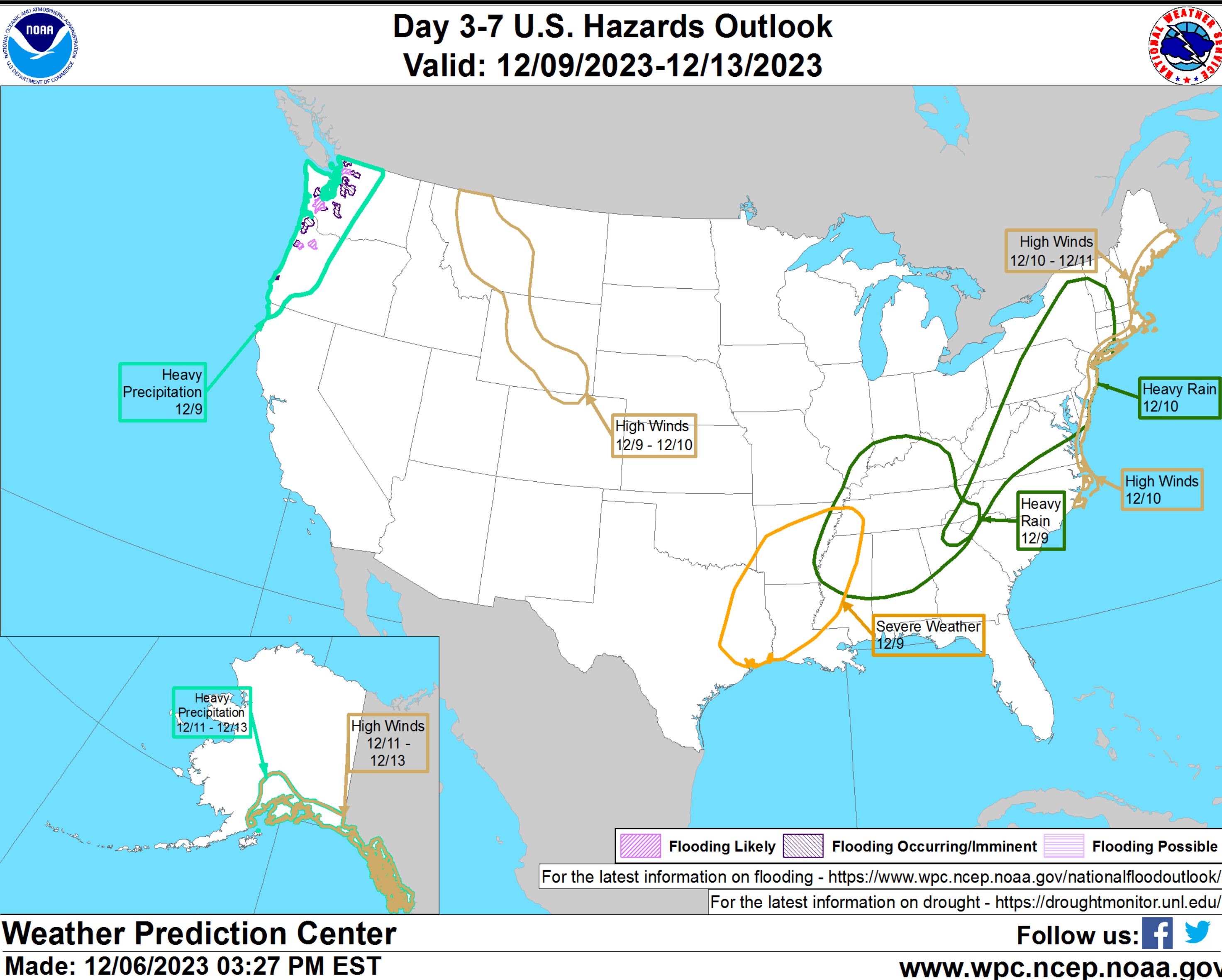
The probability of rainfall exceeding flash flood guidance is less than 5 percent

Day 5 Excessive Rainfall Outlook
Valid 12Z Mon Dec 11 2023
Thru 12Z Tue Dec 12 2023
Issued: 0751Z Thu Dec 07 2023
Forecaster: DOLAN
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



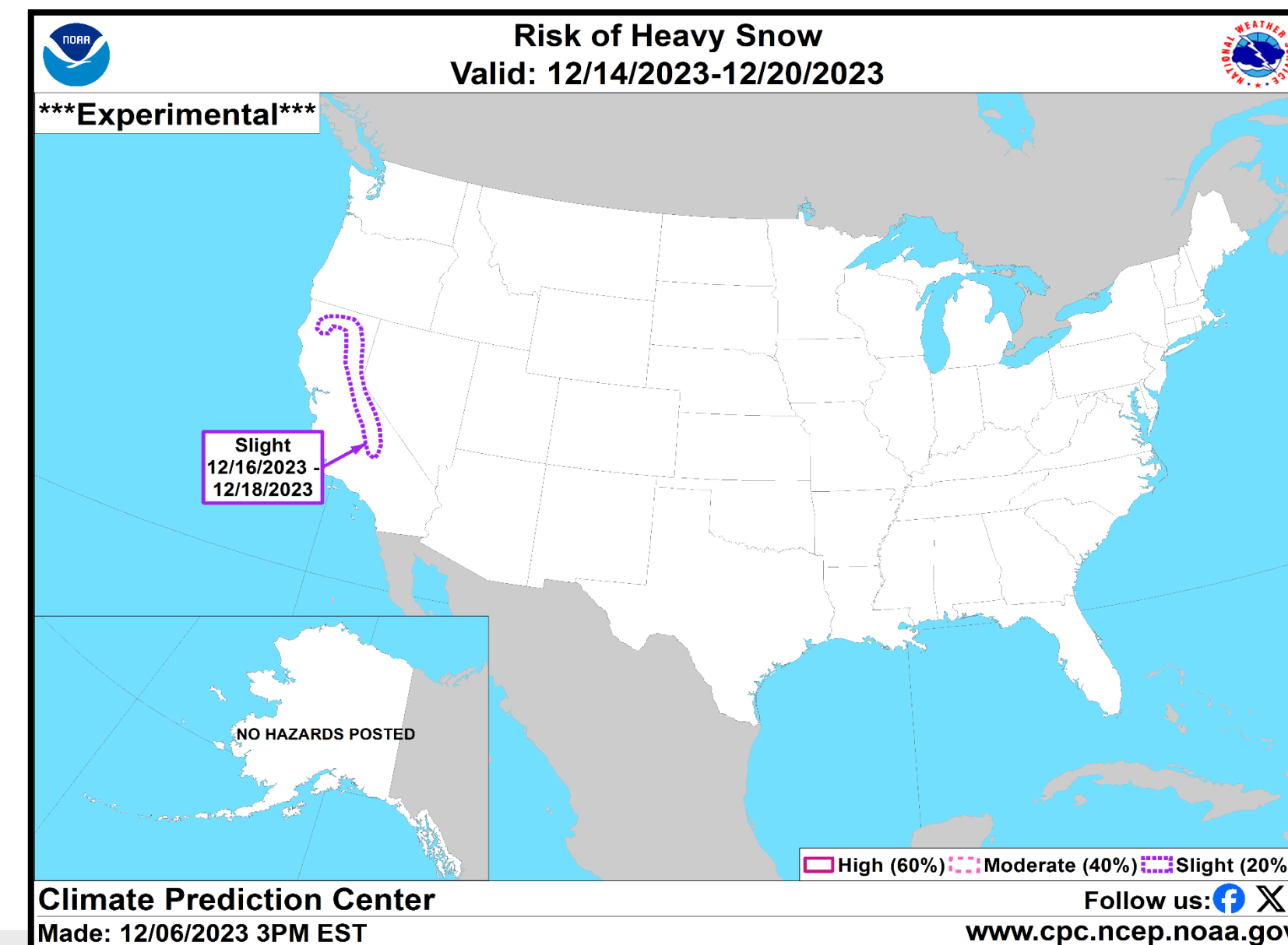
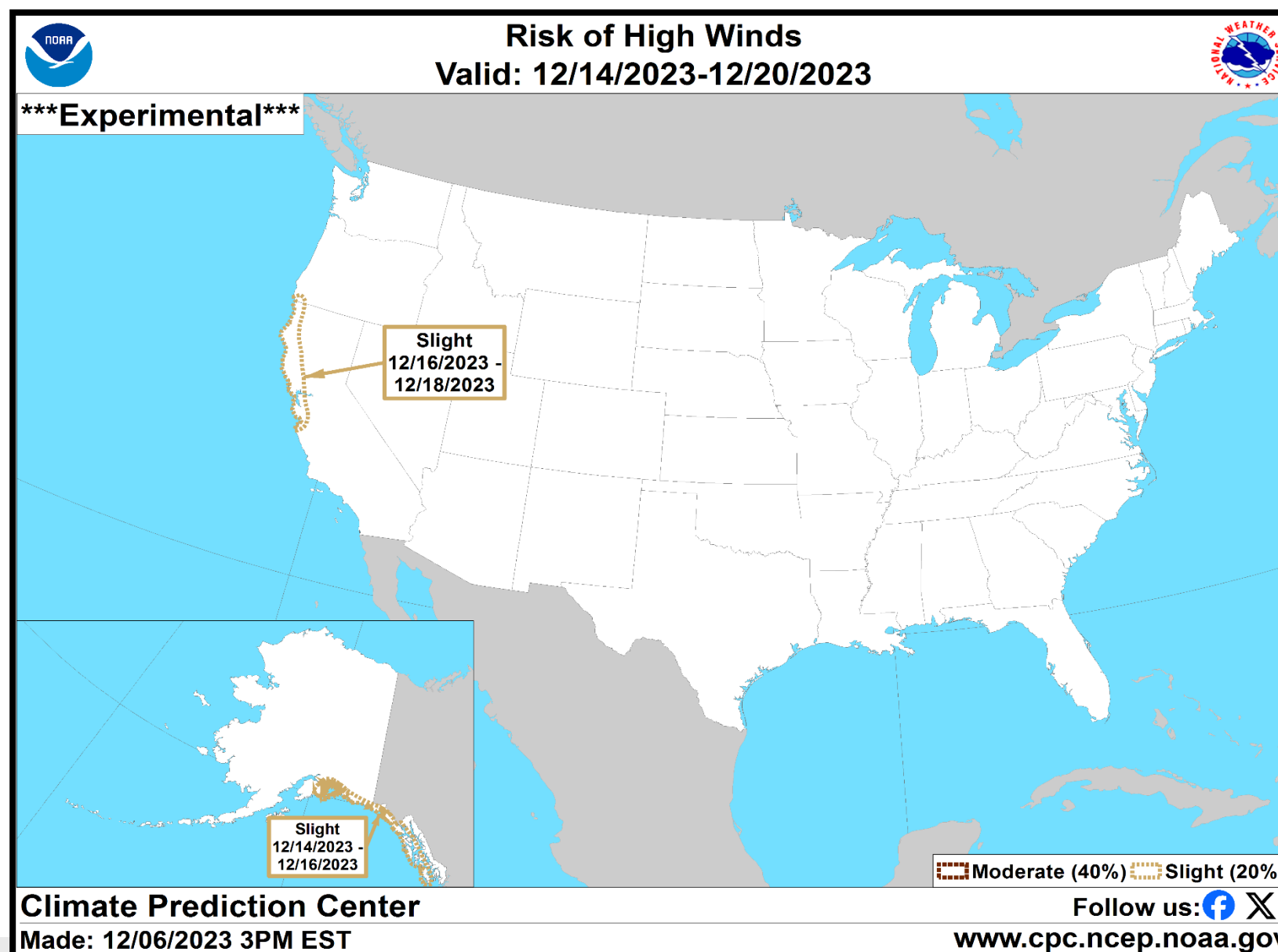
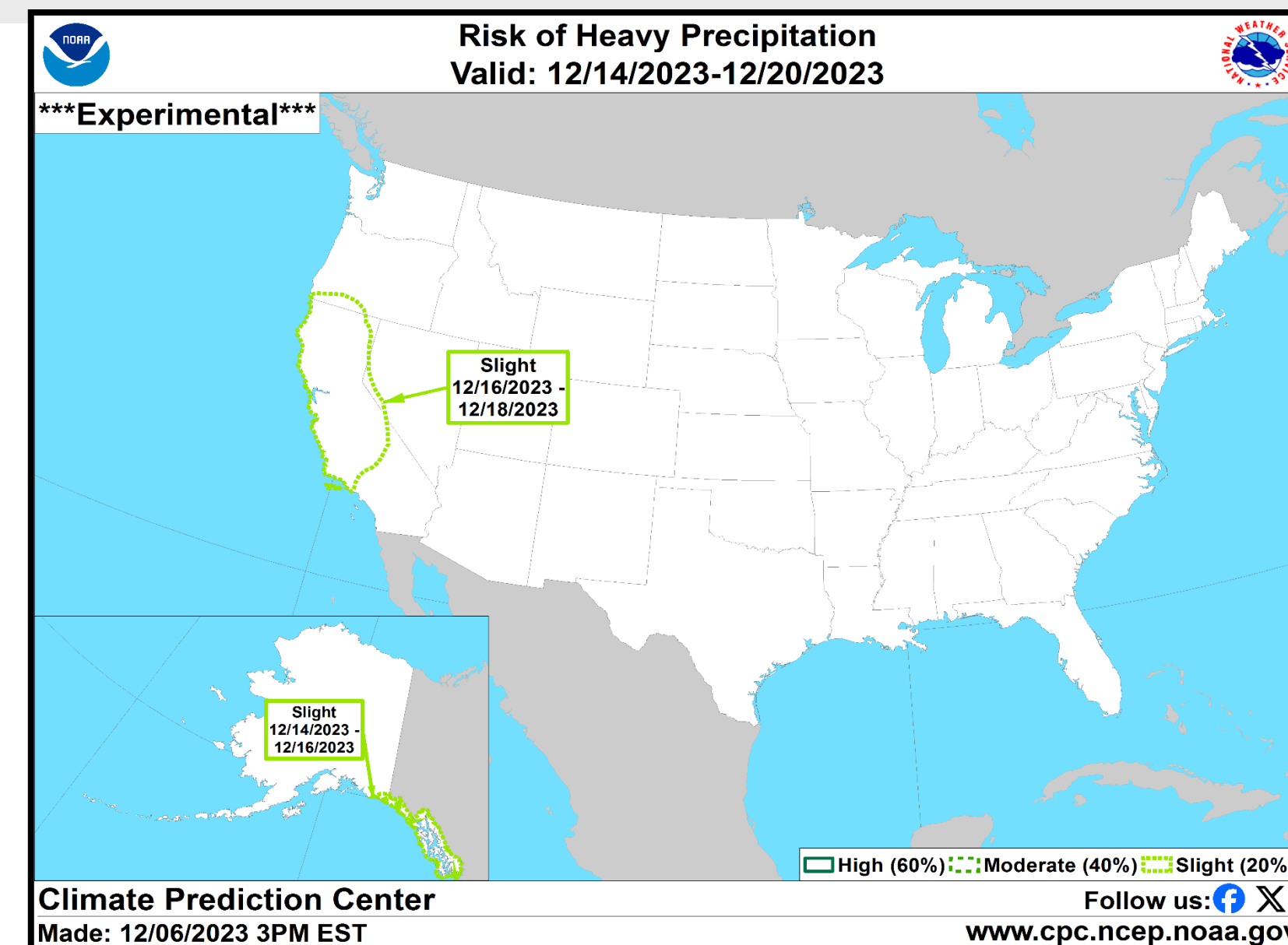
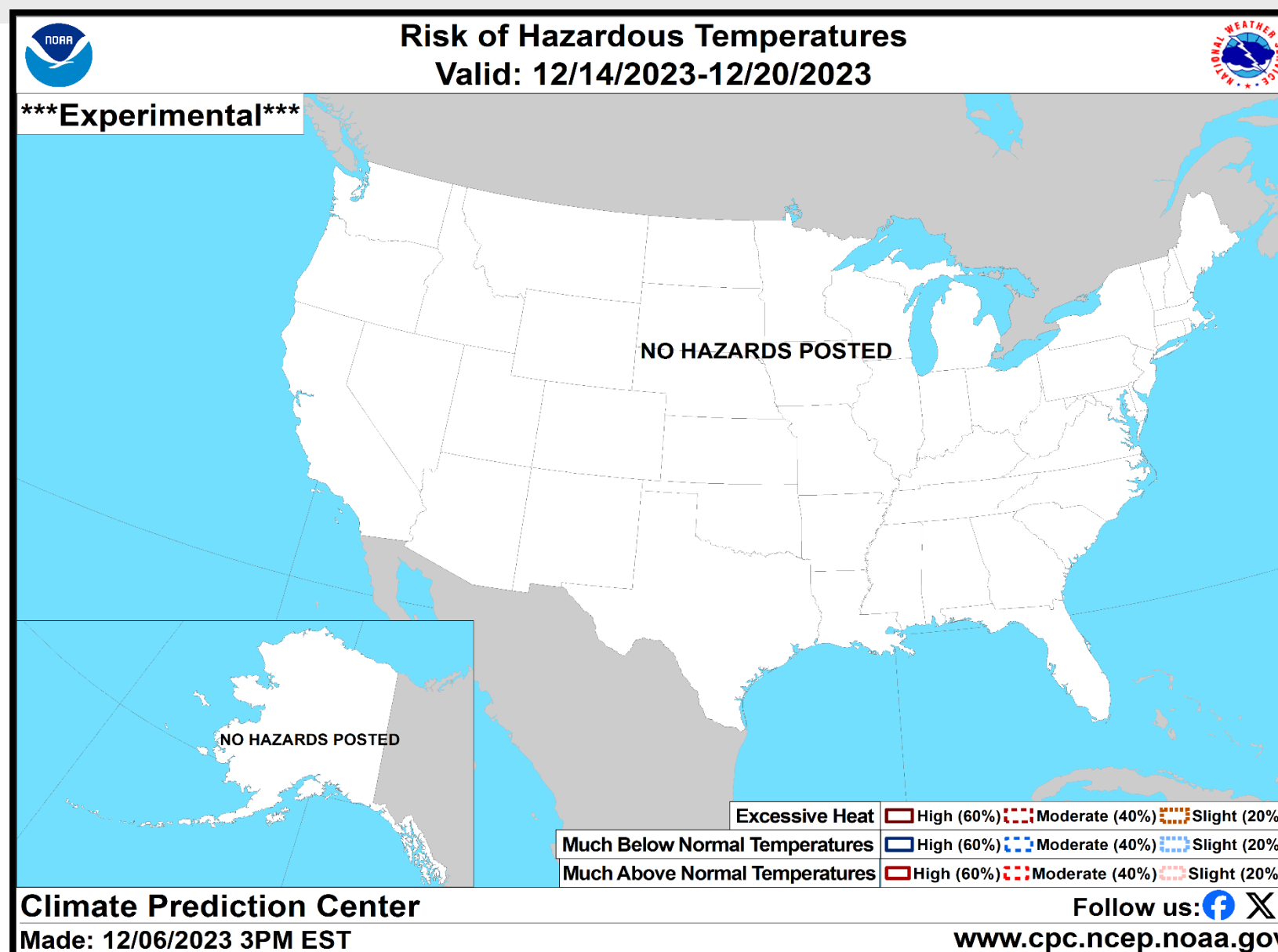
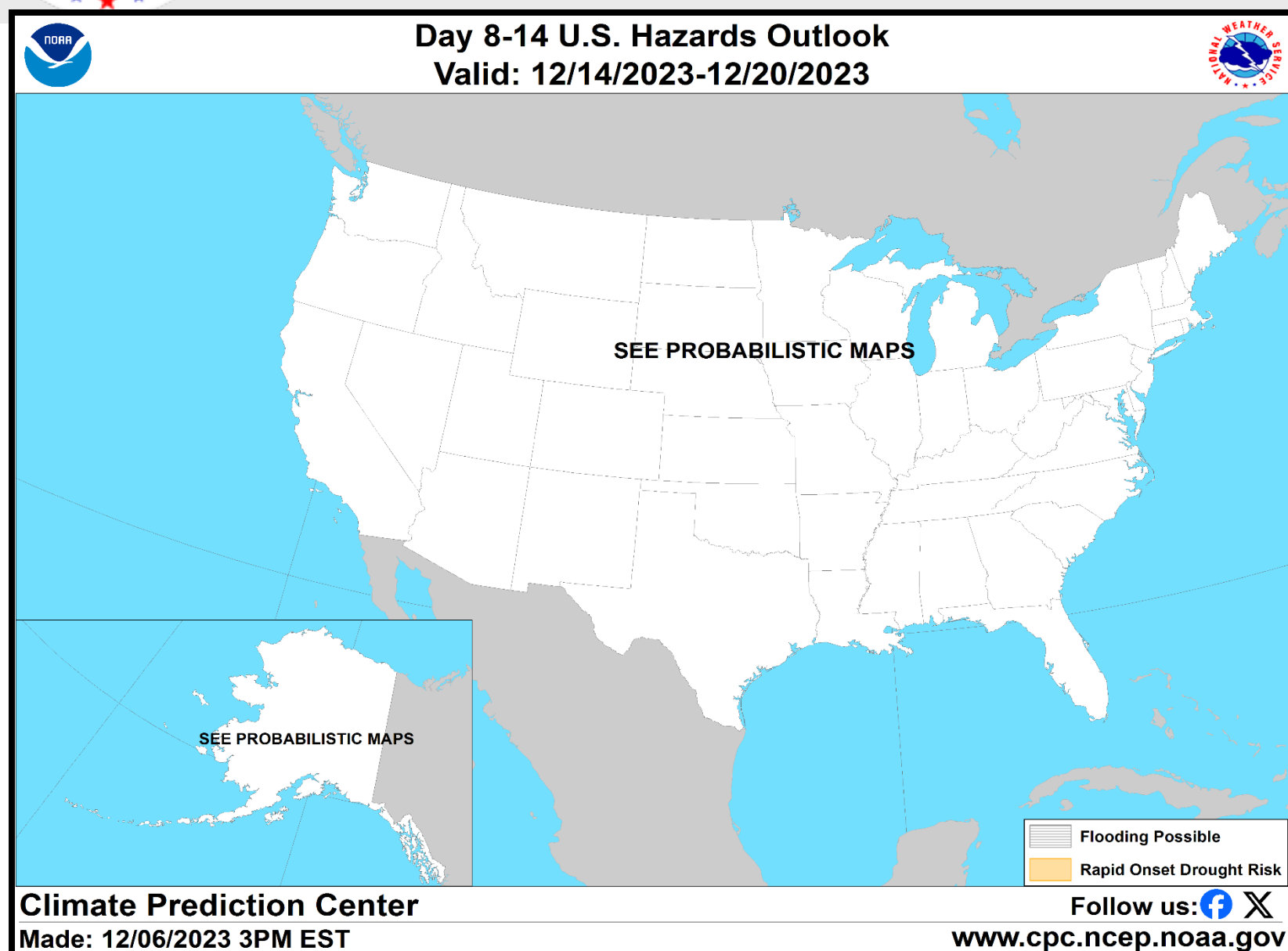
NOTE: These outlooks are issued in the afternoon and only issued on weekdays. Because of that and the fact that these slides are issued in the mornings:

- 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:

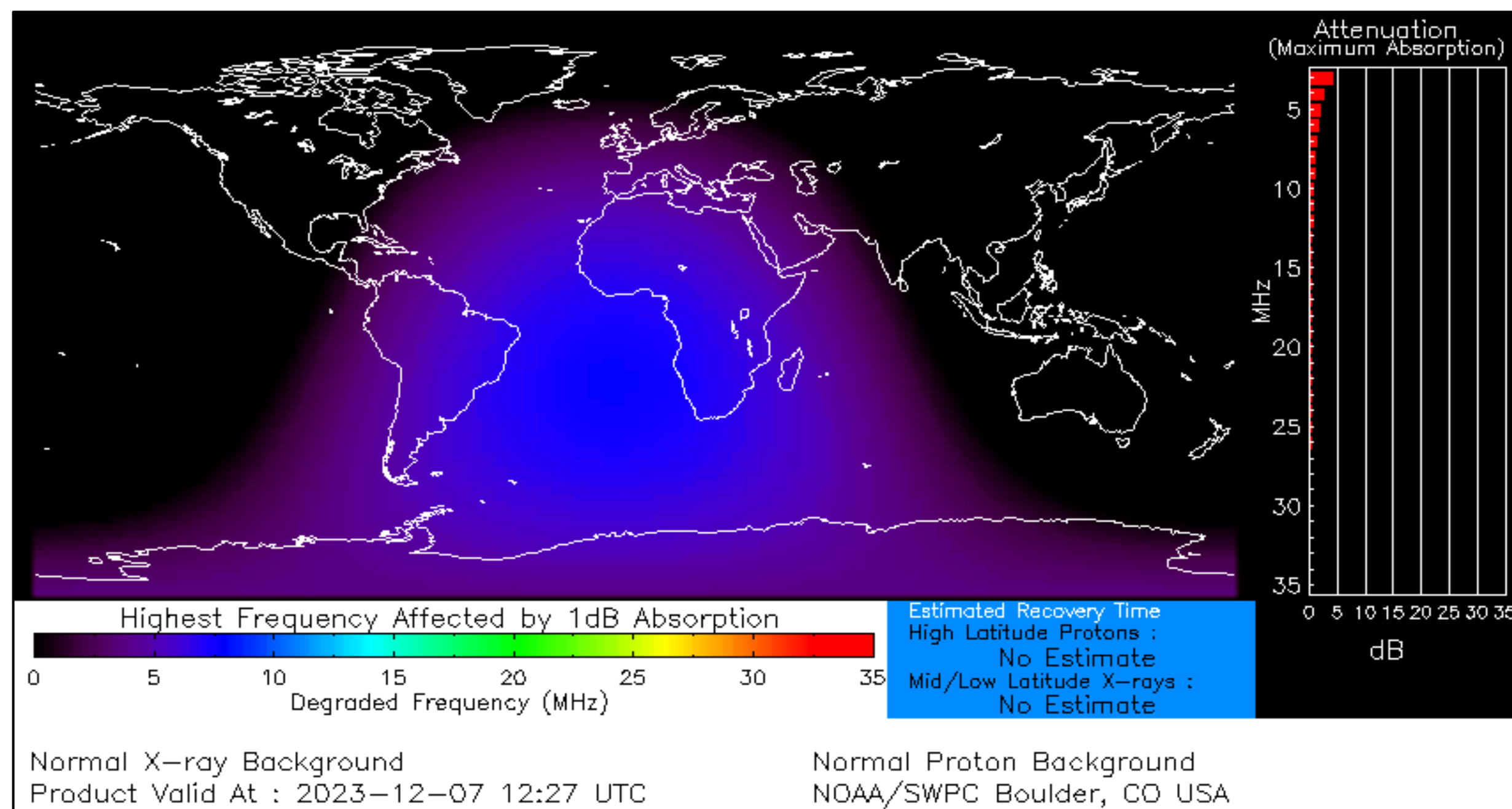
- 1) The “day 8-14” will really be days 7-13
- 2) This slide will be hidden on Mondays and Sundays so the data/information is not too old

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



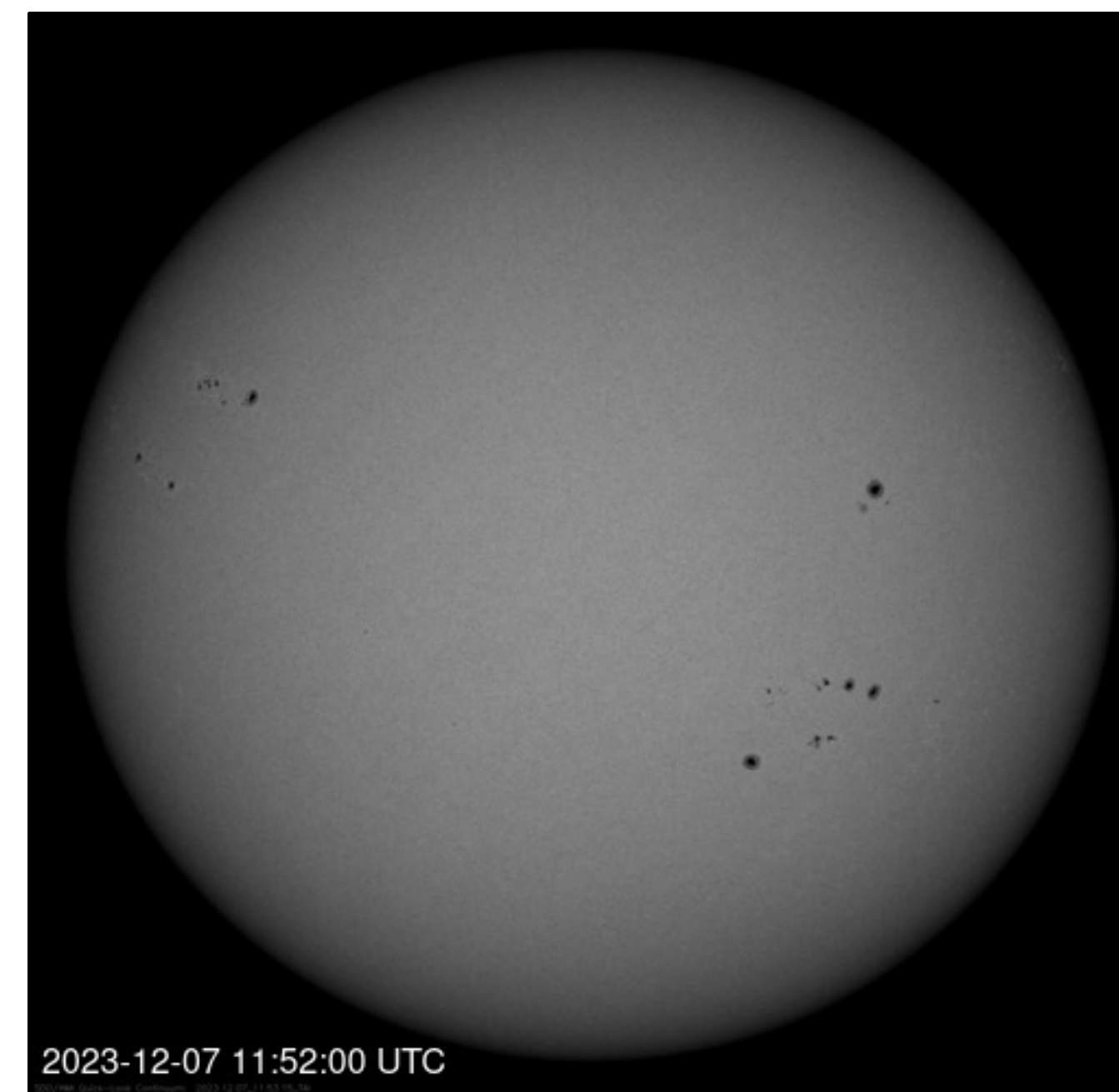
Space Weather 3-Day Forecast

| | Thursday | Friday | Saturday |
|--------------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Geomagnetic Storms | Quiet (Max Kp = 2) | Quiet (Max Kp = 2) | Quiet (Max Kp = 2) |
| Solar Radiation Storm (S1-S5) | 5% | 5% | 5% |
| Radio Blackout (R1-R2) | 40% | 40% | 40% |
| Radio Blackout (R3-R5) | 10% | 10% | 10% |



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





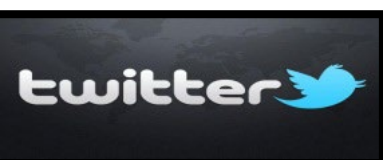
For more information, please contact:

**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.roc@noaa.gov