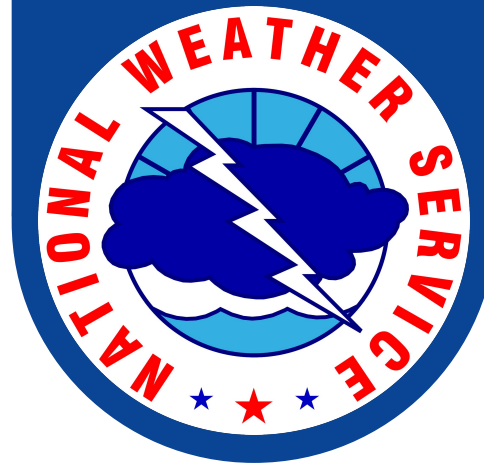




FEMA



Prepared by
Melissa Huffman

FEMA Region 6 Weather Threat Briefing

Sunday, August 18, 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.





Summary of the Upcoming Week

- **Excessive heat across most of FEMA 6 today and then over NM, SW OK, TX through Wednesday and NM, W/S TX on Thursday.**
- **Elevated risk for significant wildfires across SW OK, NW TX through Wednesday.**
- **Slight risk for severe storms across SE AR, NE LA today.**
- **Hurricane Ernesto will stay in the Atlantic with no impacts to FEMA 6.**





FEMA Region 6 Threat Matrix

Next 5 Days

	Sunday, Aug 18	Monday, Aug 19	Tuesday, Aug 20	Wednesday, Aug 21	Thursday, Aug 22
Severe Storms	SE AR, NE LA	SW AR, E TX, W LA			
Heavy Rain / Flash Flooding	NW NM, E OK, W AR		W NM		W NM
Fire Weather	SW OK, NW TX	SW OK, NW TX	SW OK, NW TX	SW OK, NW TX	SW OK, NW TX
Wind					
Heat	Most of FEMA 6	NM, S OK, TX, LA	NM, SW OK, TX	NM, SW OK, TX	NM, W/STX
Tropical					
River Flooding					

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.

Risk Levels	Little to None	Minor	Moderate	Major	Extreme
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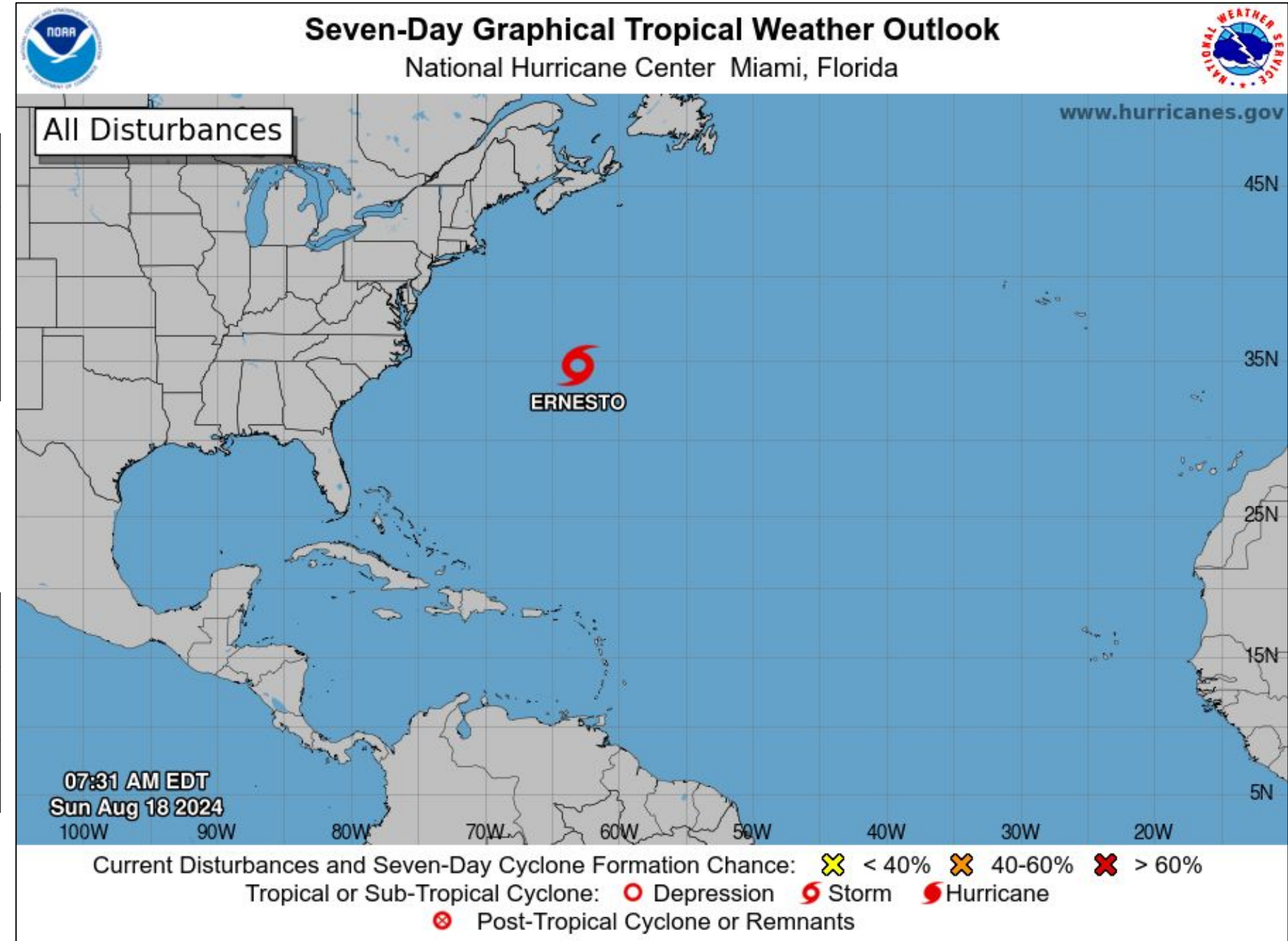
Tropical Weather Outlook – Atlantic/Gulf

Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
Ernesto	None.



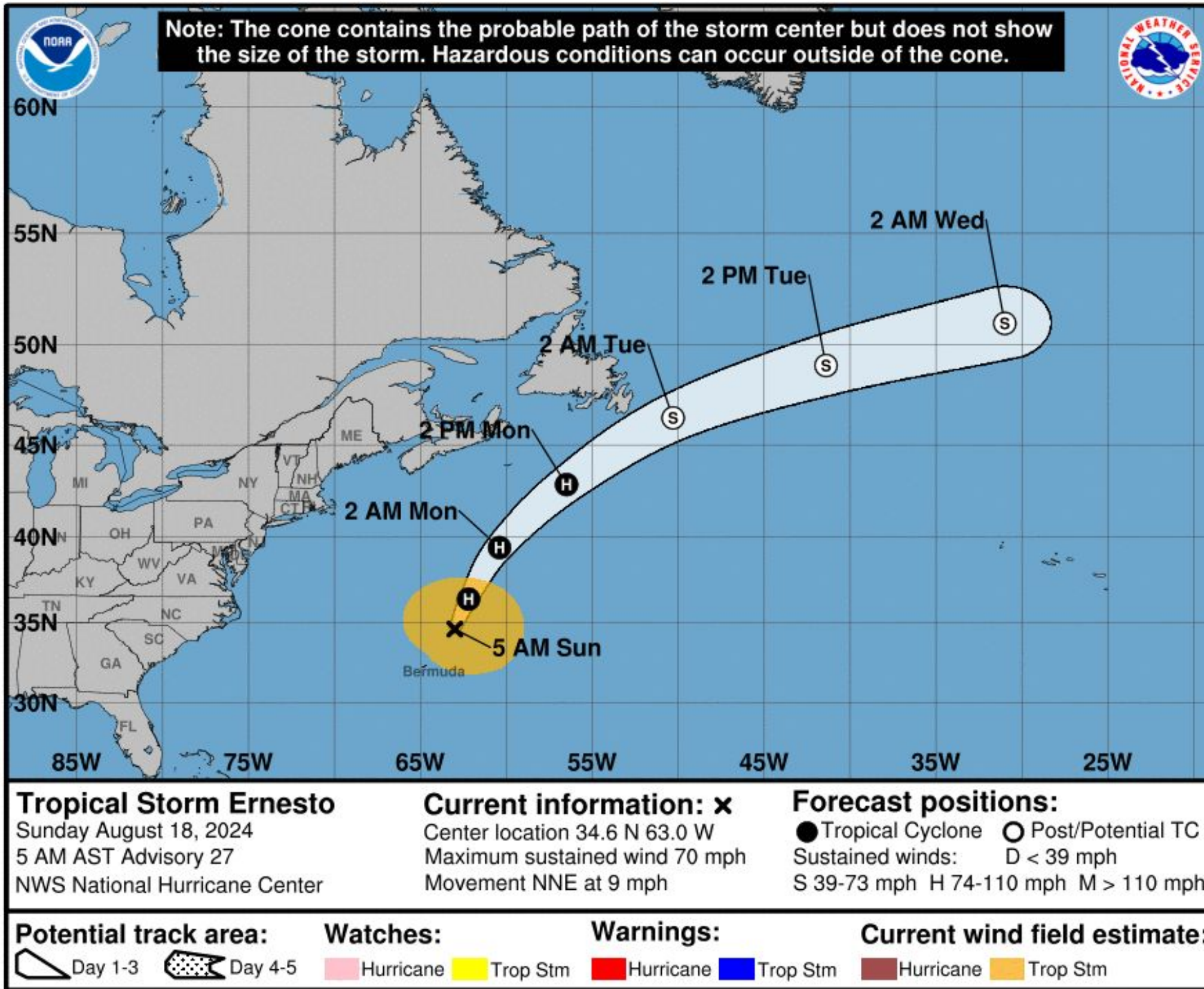
See <http://www.hurricanes.gov> for the latest on the tropics or any active storms



Ernesto

2:58 PM

See <http://www.hurricanes.gov> for the latest on the tropics or any active storms



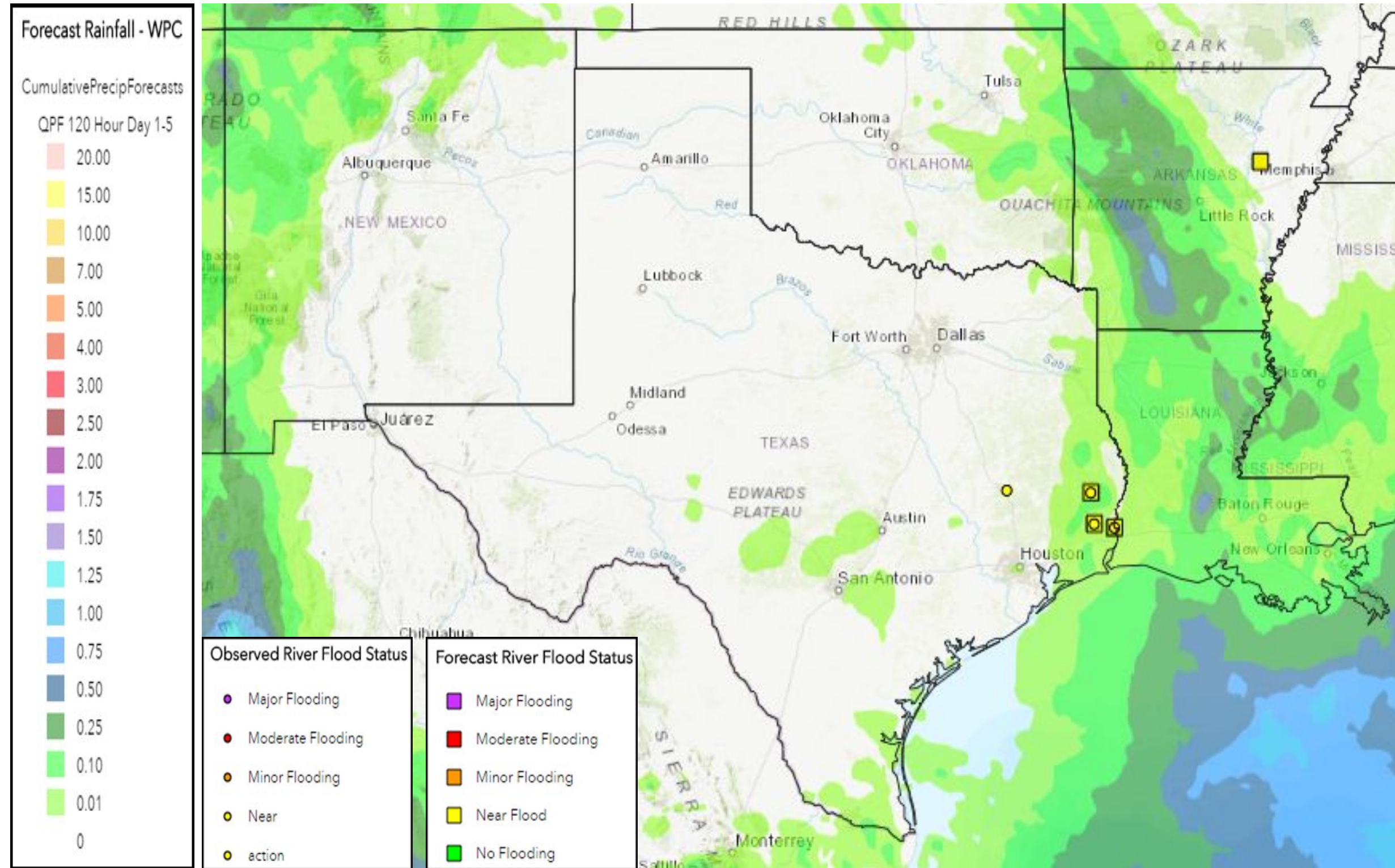
No impacts to FEMA Region 6.





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

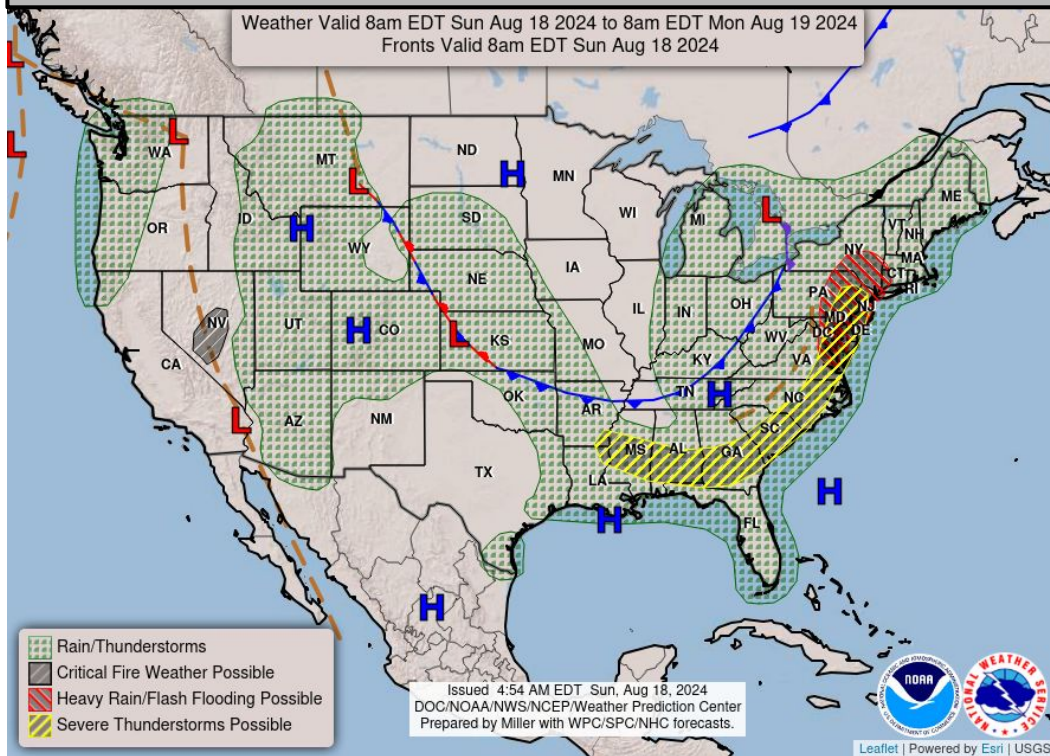


No significant river flooding is forecast.

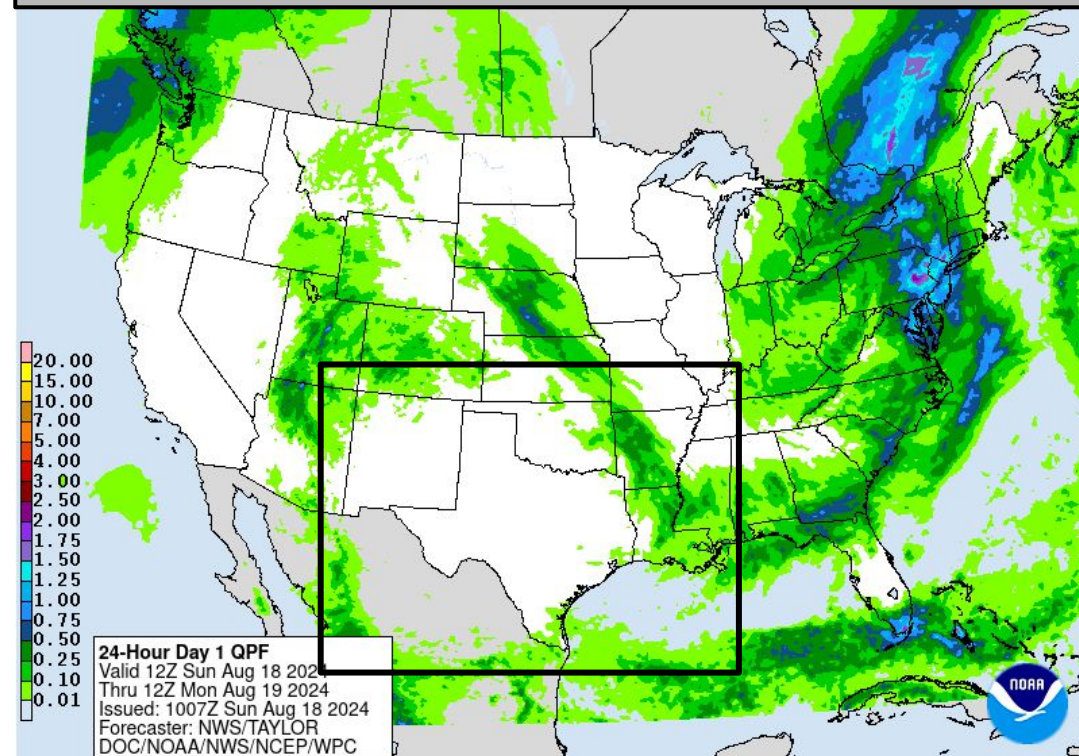


Today's Weather

Forecast Chart



Forecast Rainfall

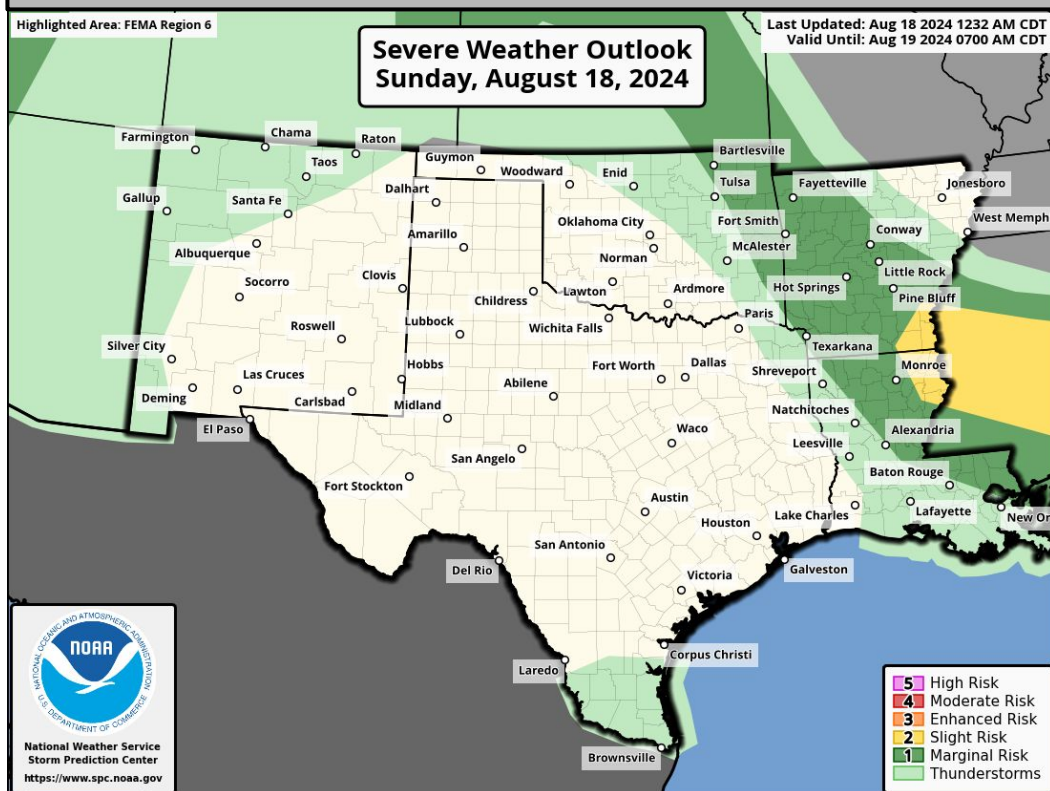


Excessive heat across Most of FEMA 6.

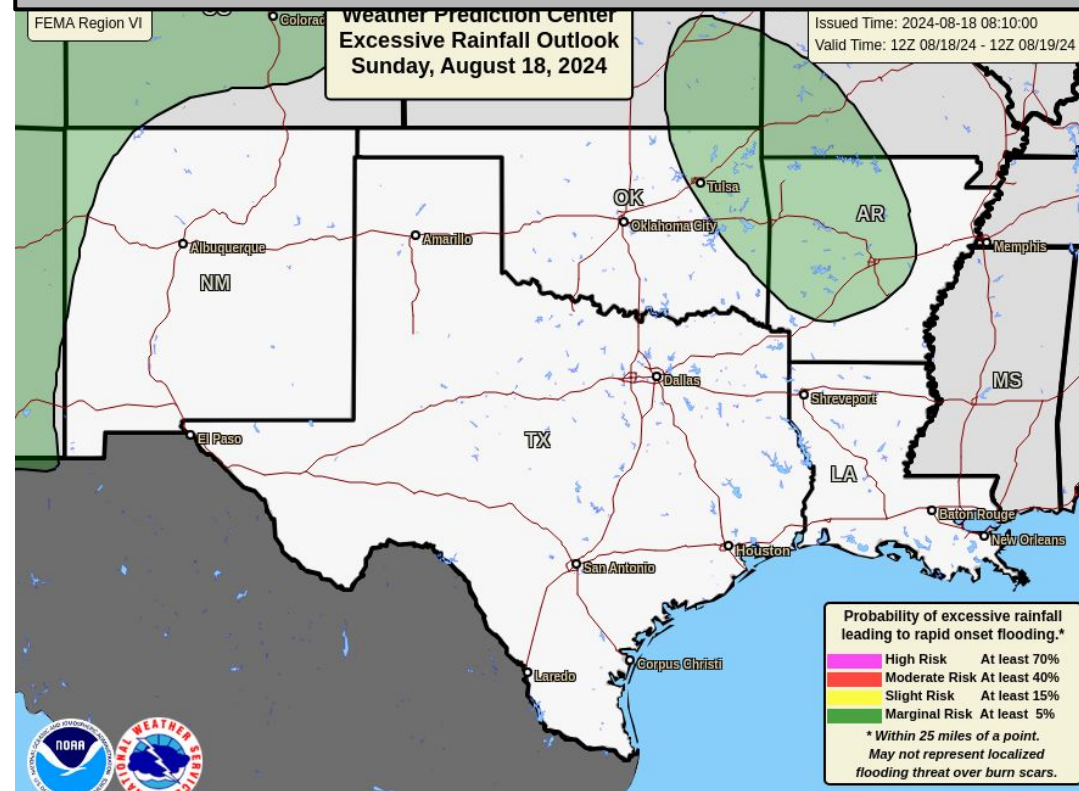
Wildfire threat over SW OK, NW TX

Slight risk of severe storms over SE AR, NE LA.

Severe Weather Outlook



Excessive Rainfall Outlook



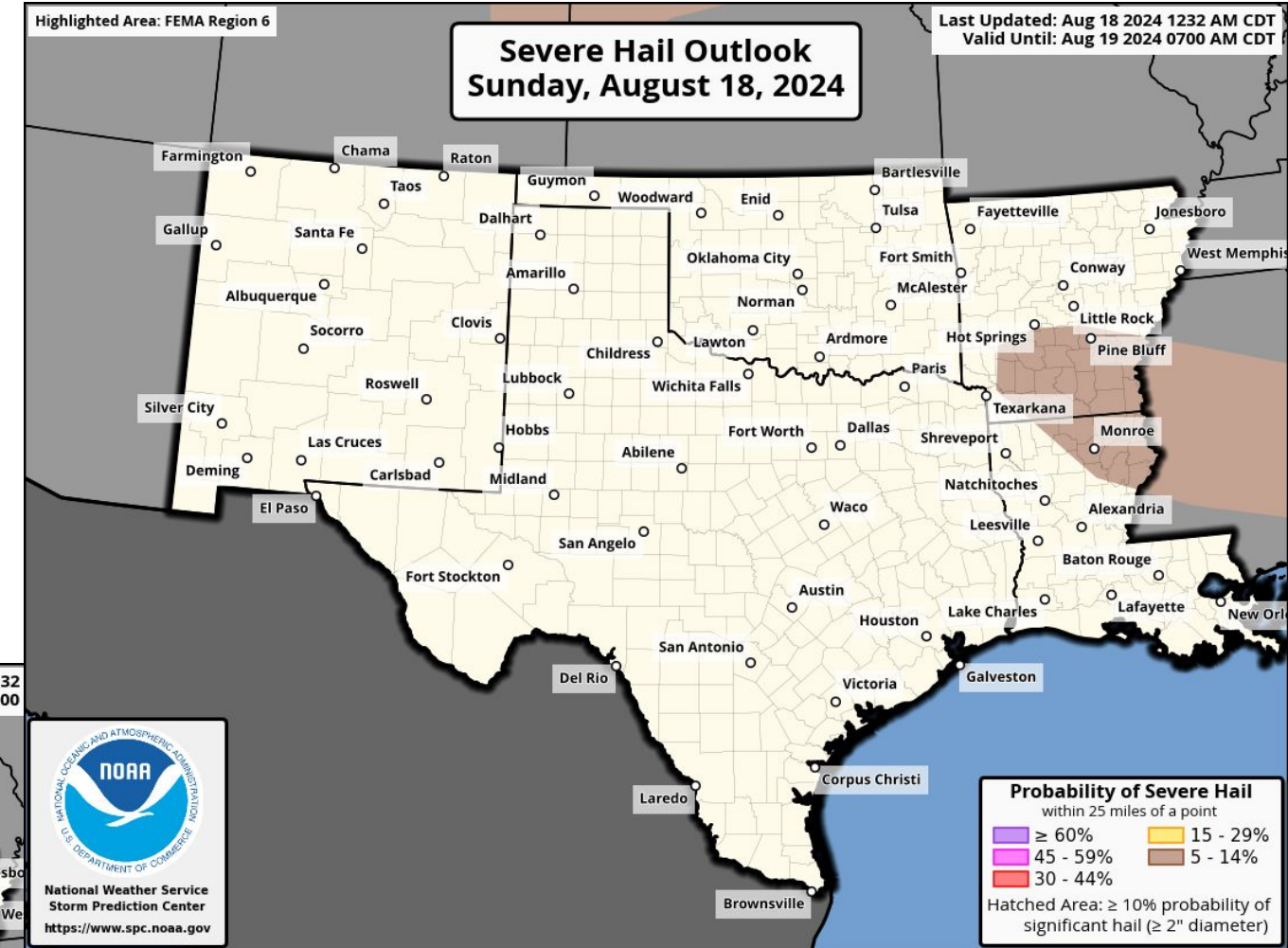
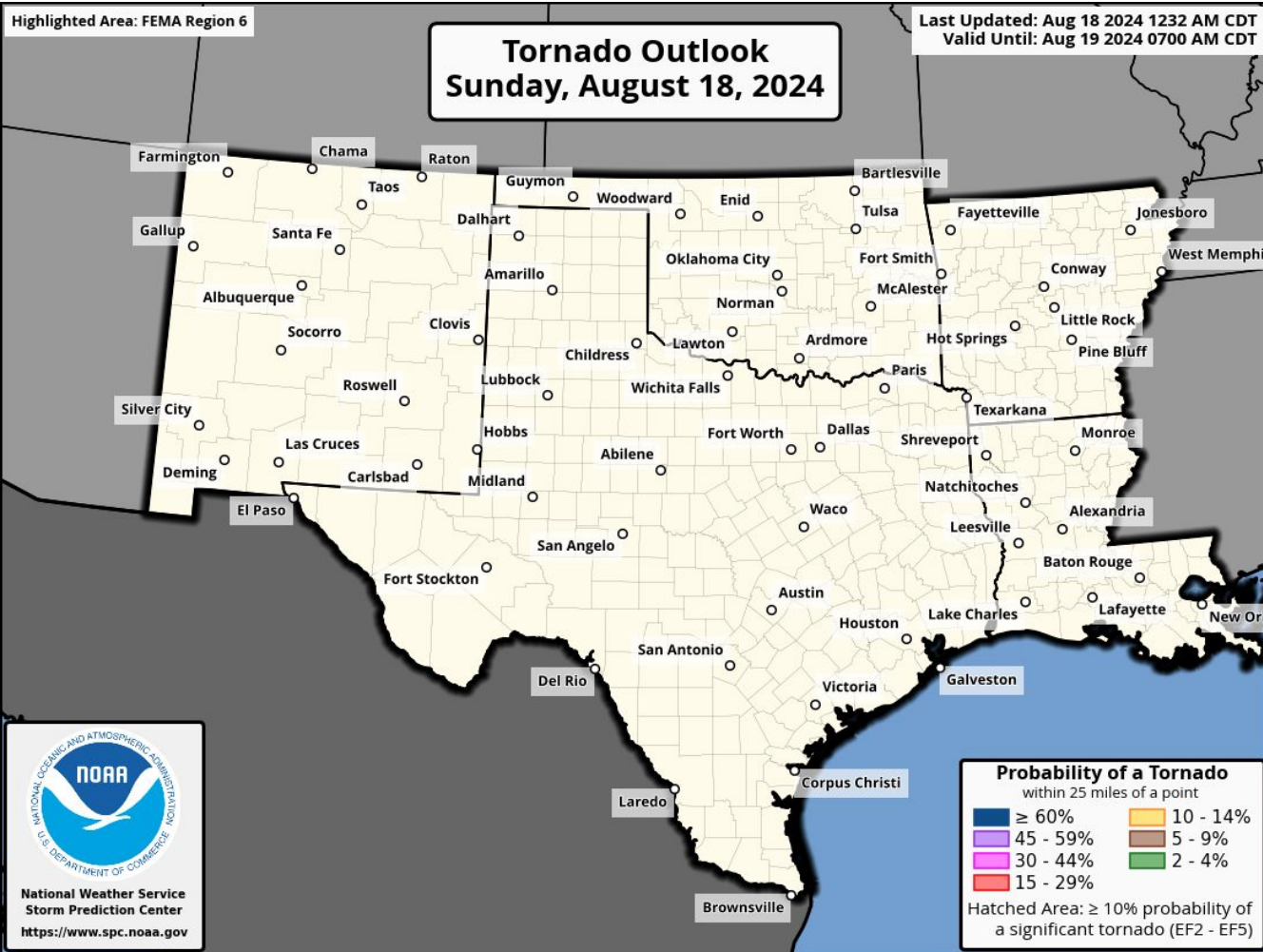
Marginal risk of excessive rainfall across NW NM, E OK, W AR.





Today's Tornado & Severe Wind / Hail Probabilities

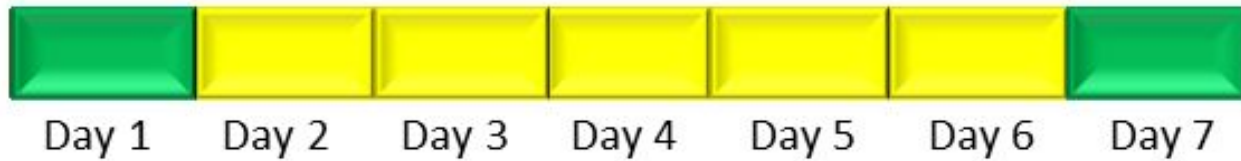
August 18, 2024



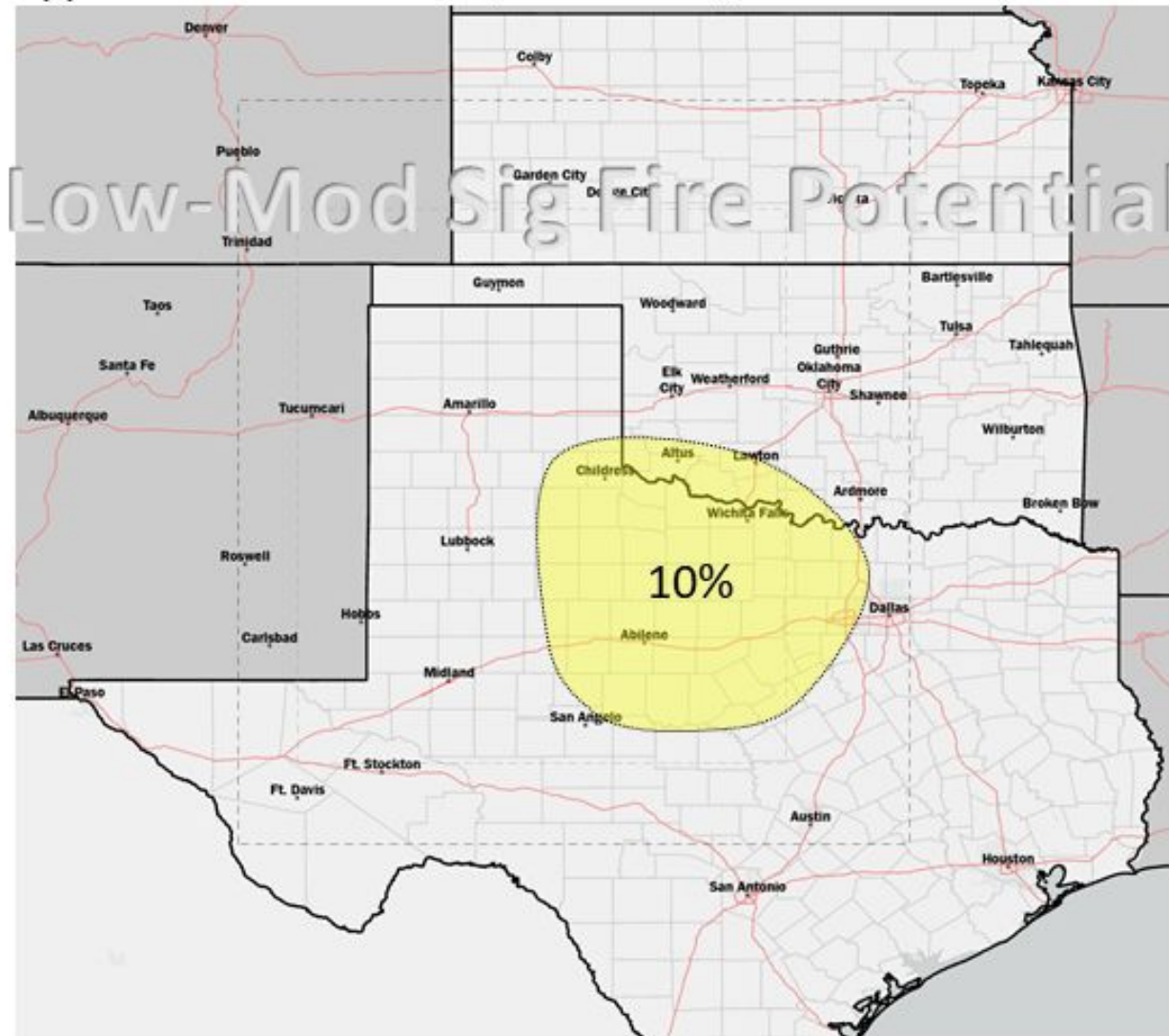


Fire Weather Outlook

Probability of Significant Wildfire



Approximate Threat: Sat 8/17 – Wed 8/21



Outlook Last Updated: Fri 16 Aug 2024 – 2:00 PM – TL/LK/GM/DD/BS/AW

Risk Potential Legend

- <10%** Nil and/or Routine Fire Wx with Initial Attack & Large Fire
- 10%-30%** Low-Moderate Significant Fire
- 40%-60%** High Significant Fire Potential - Outbreak Possible
- >60%** Significant Wildfire & Outbreak Likely

This outlook is an experimental decision support tool produced in collaboration with...



...and is strictly intended to reflect forecast probabilities of significant wildfire and "firestorm" conditions.

Probability of Significant Wildfire across SW OK, NWTX today through Wednesday.

Note: Outlook was last updated Friday.

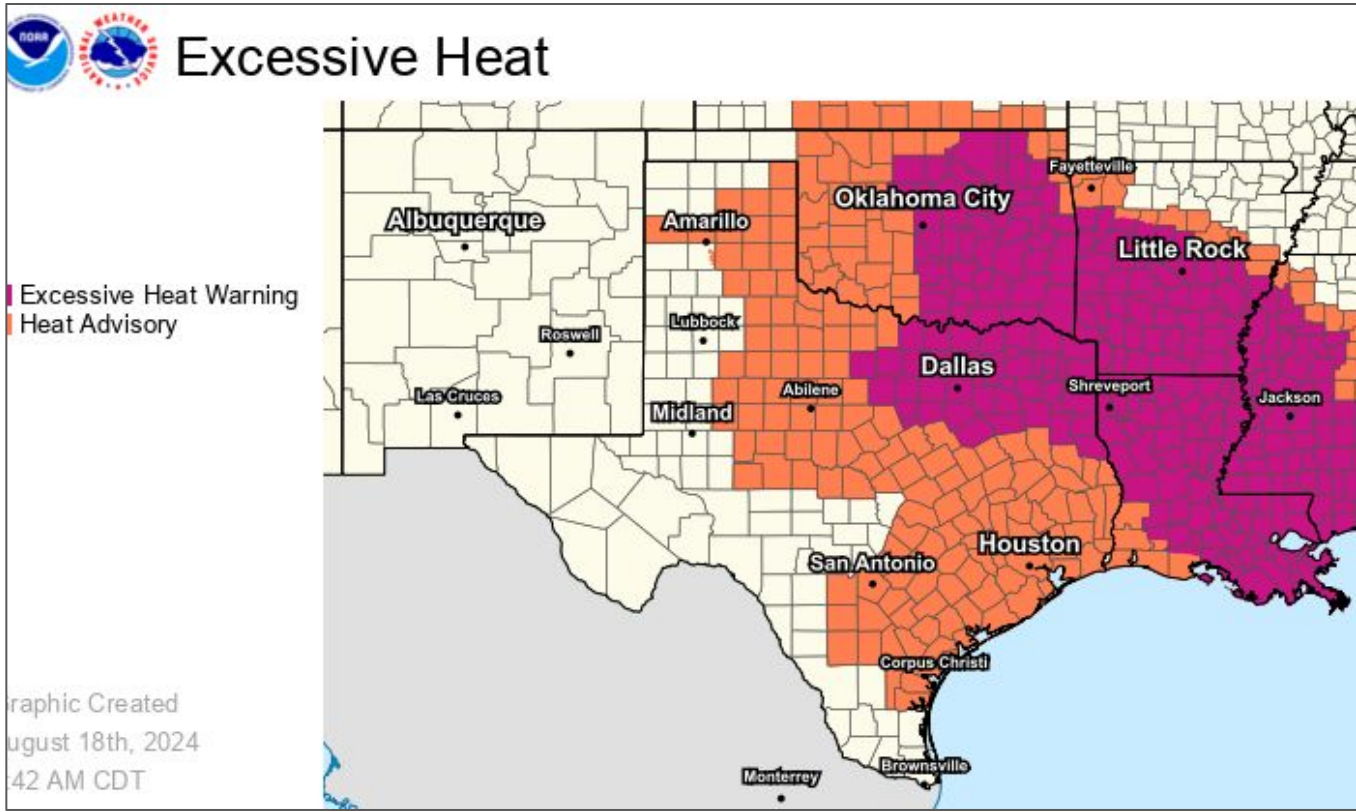
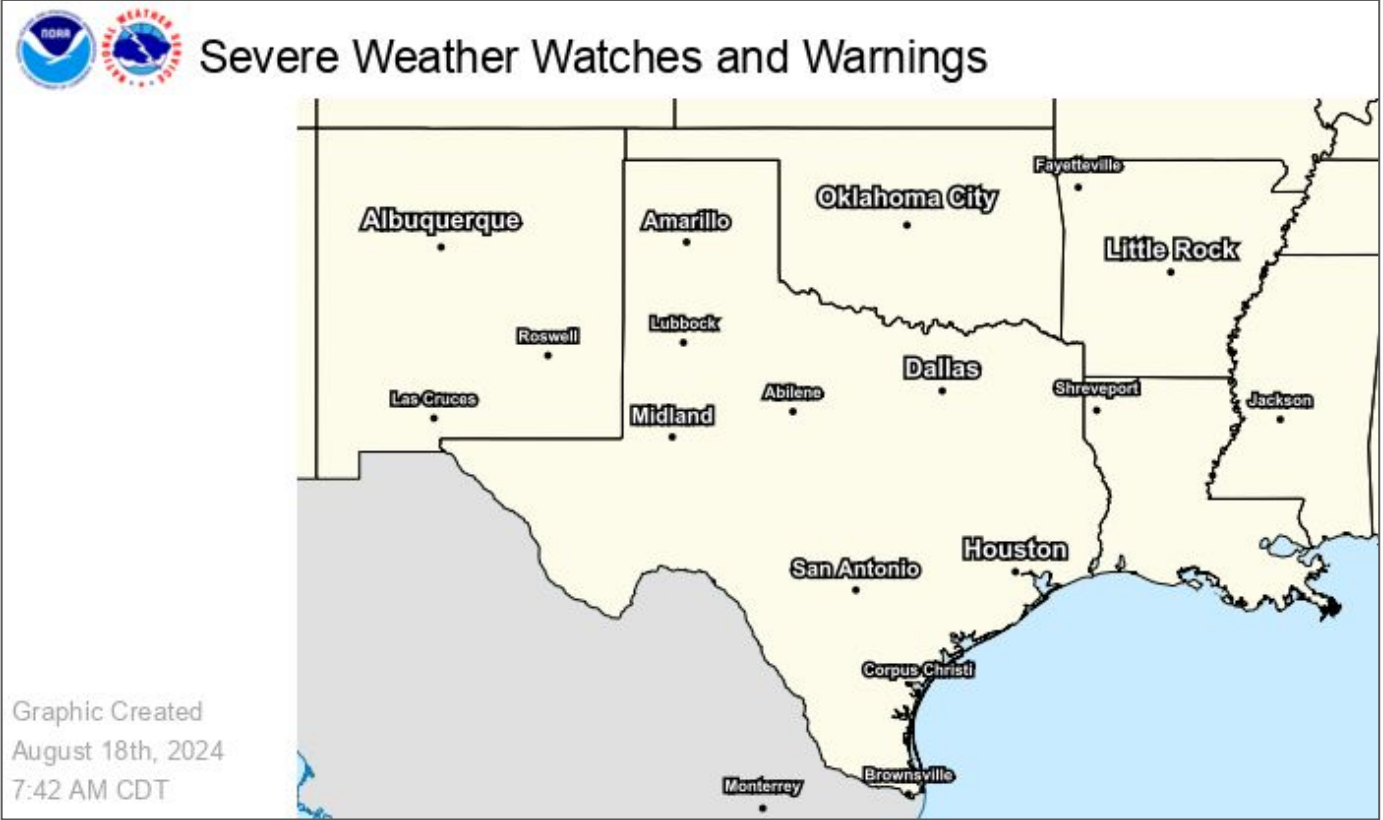




Watches, Warnings, and Advisories

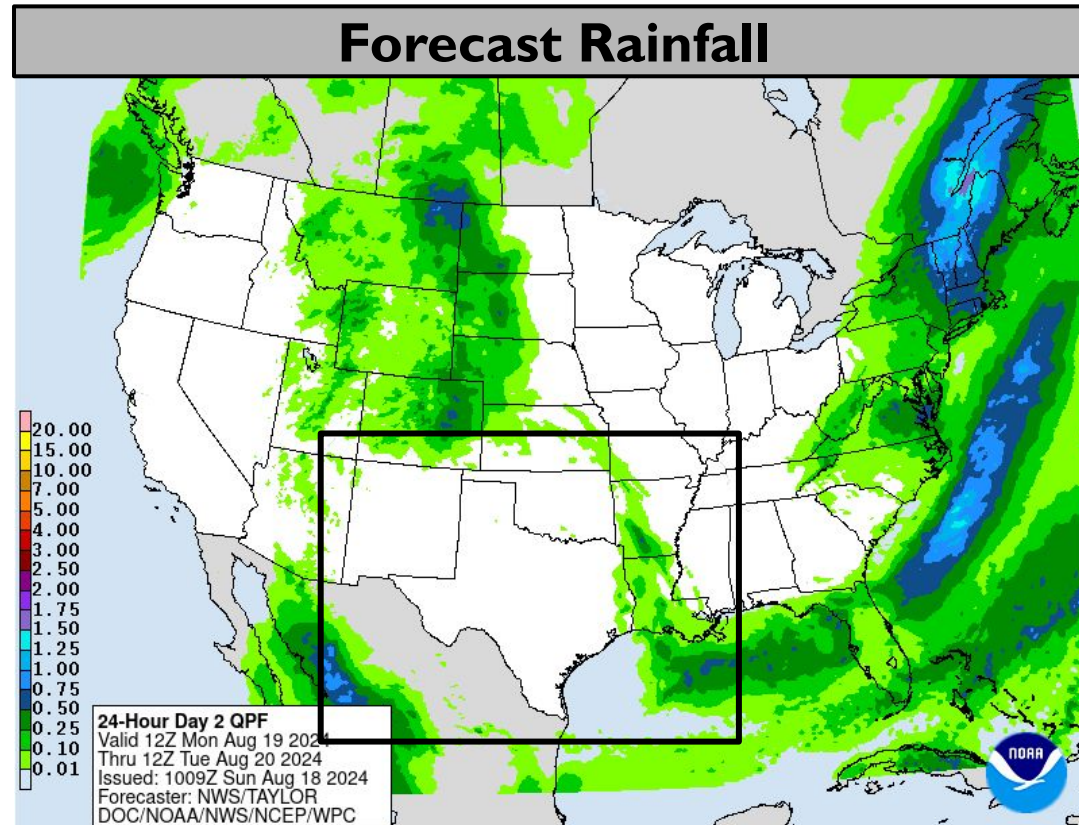
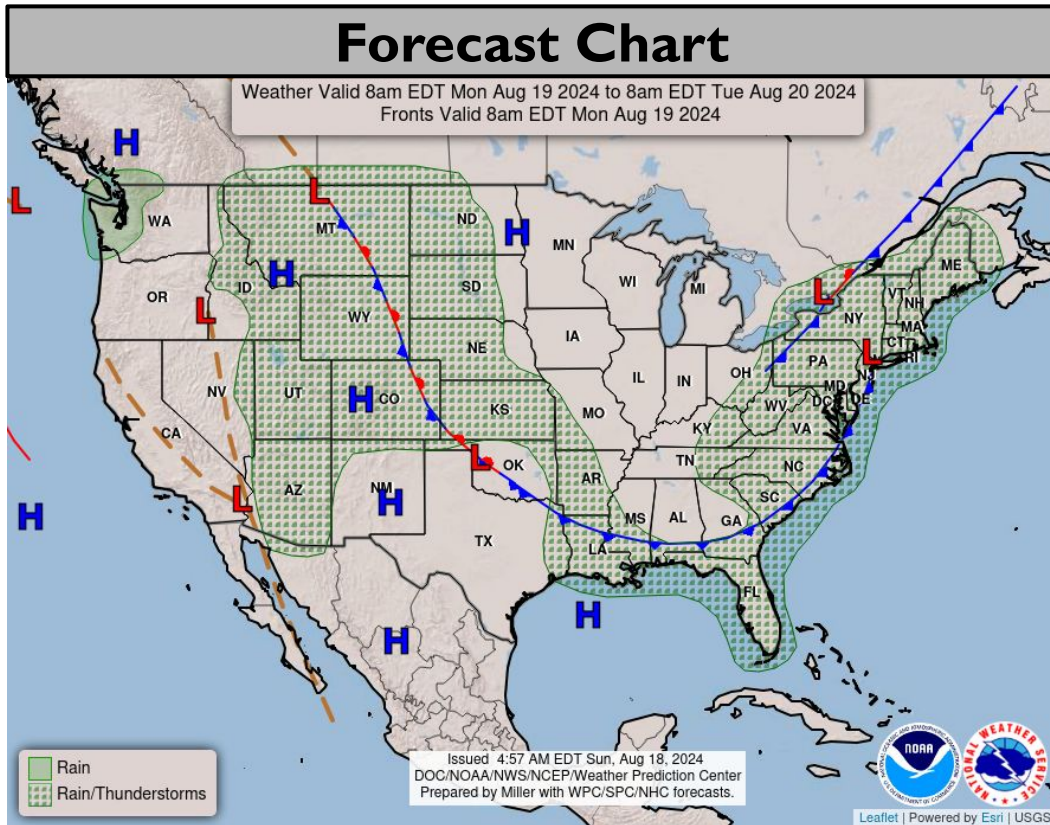
Wind, Severe, Heat, and Flood Hazards

Heat advisories and excessive heat warnings over OK, TX, AR, LA.





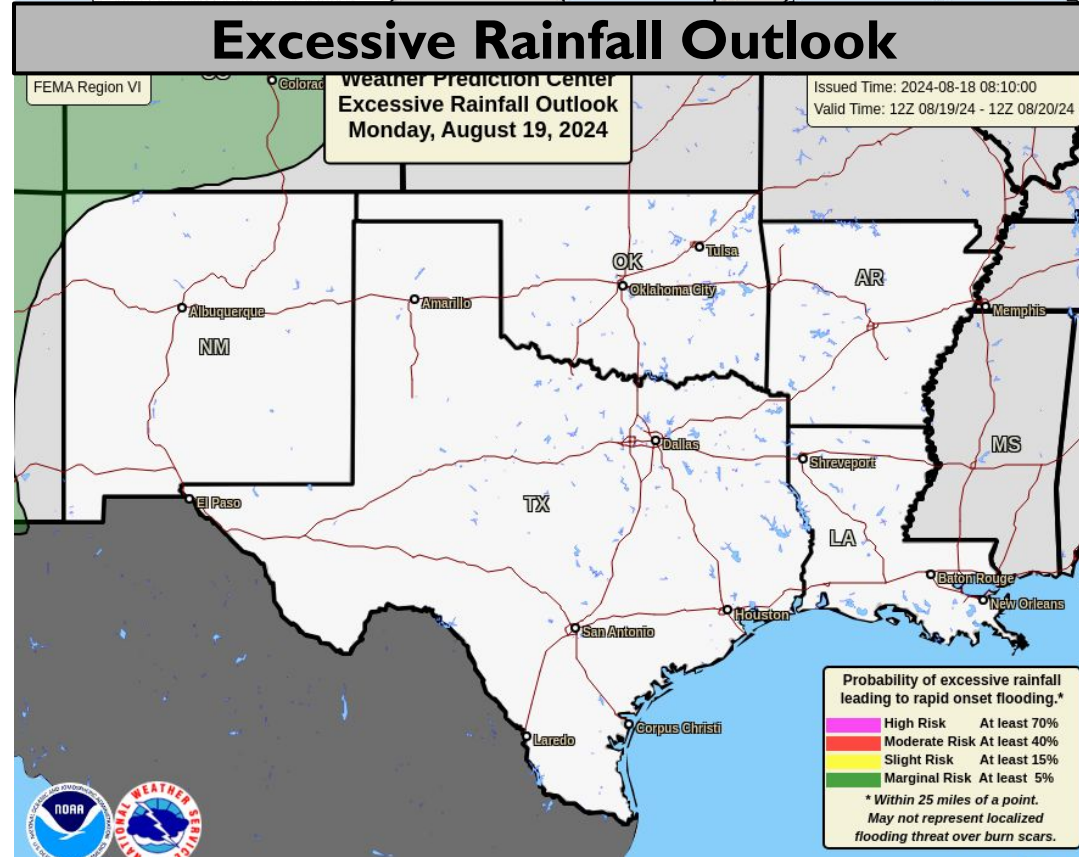
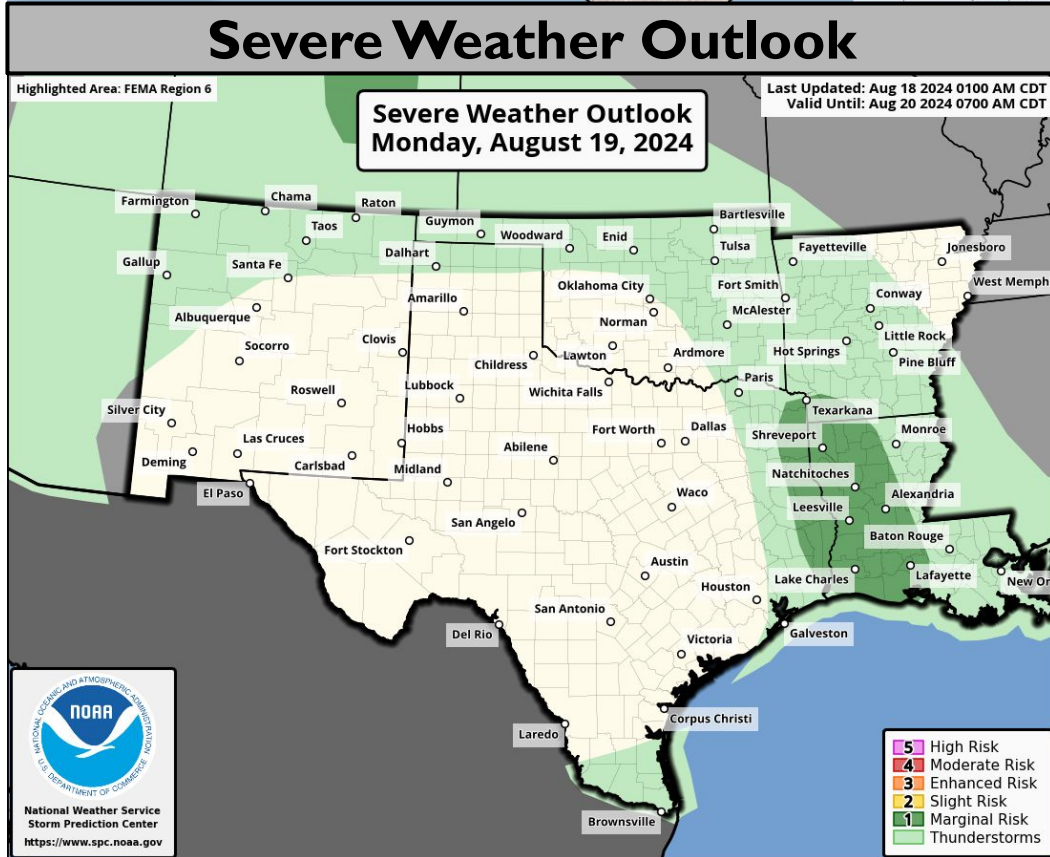
Tomorrow's Weather

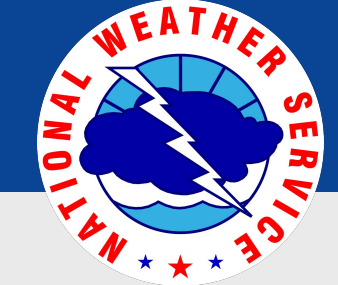


Excessive heat across NM, S OK, TX, LA.

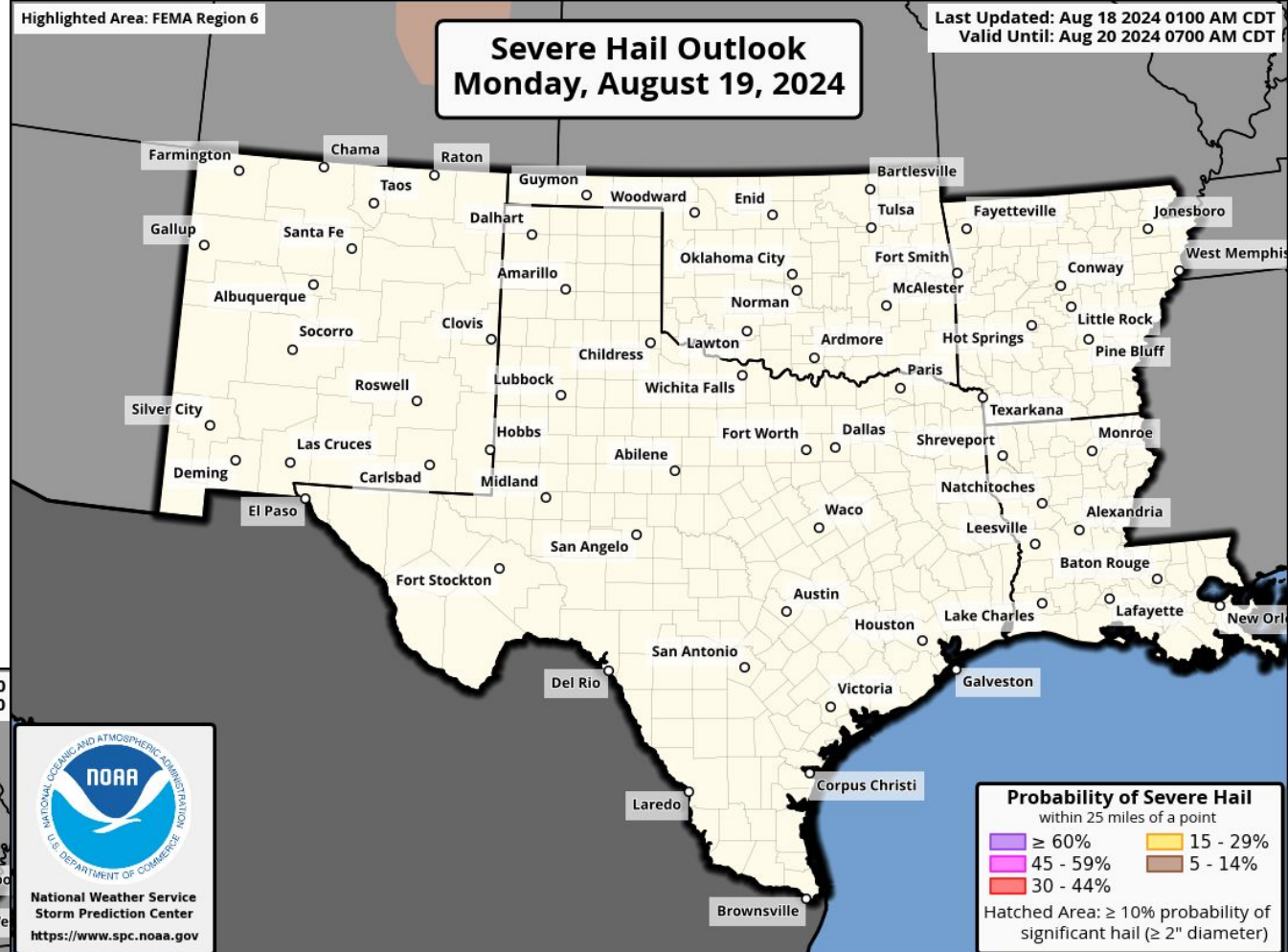
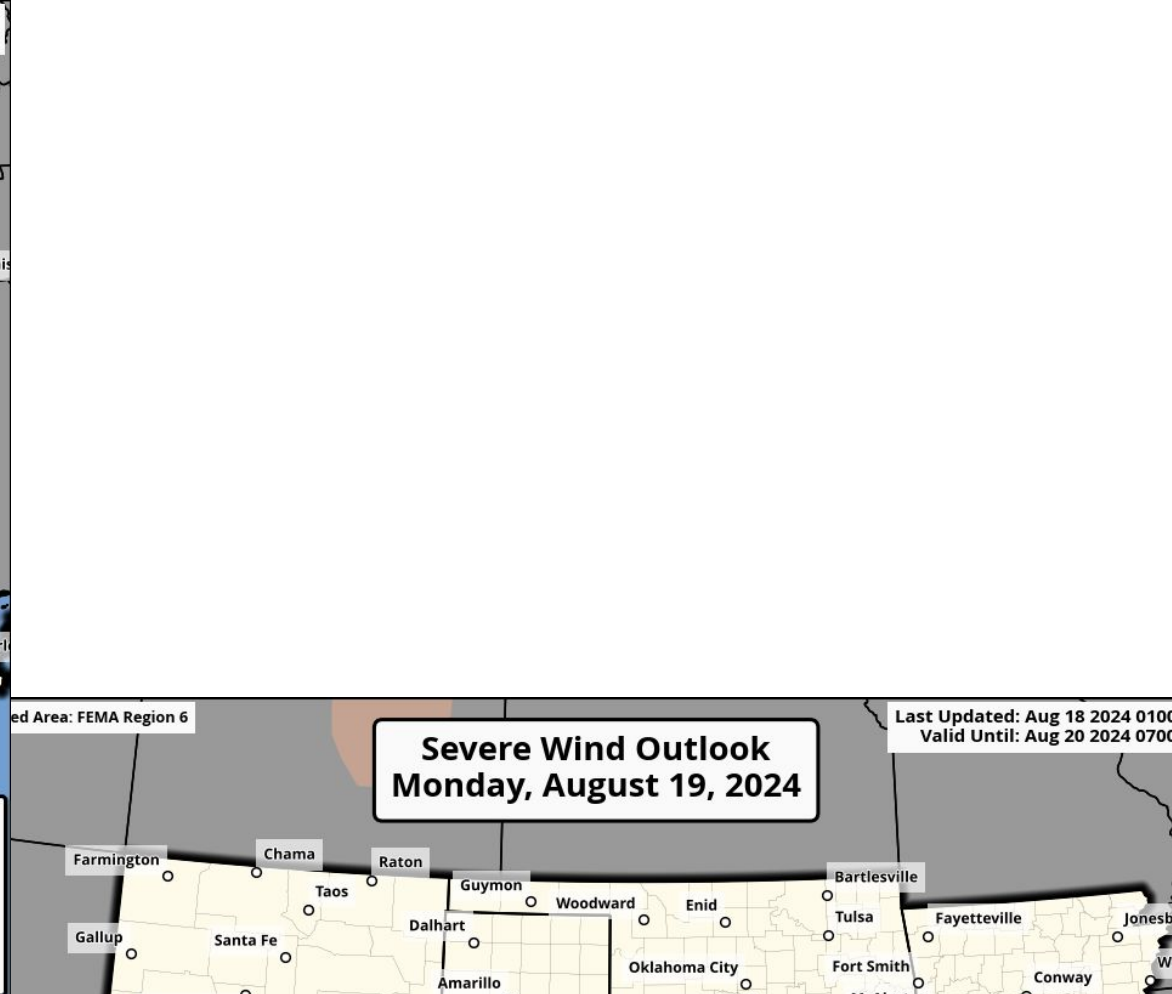
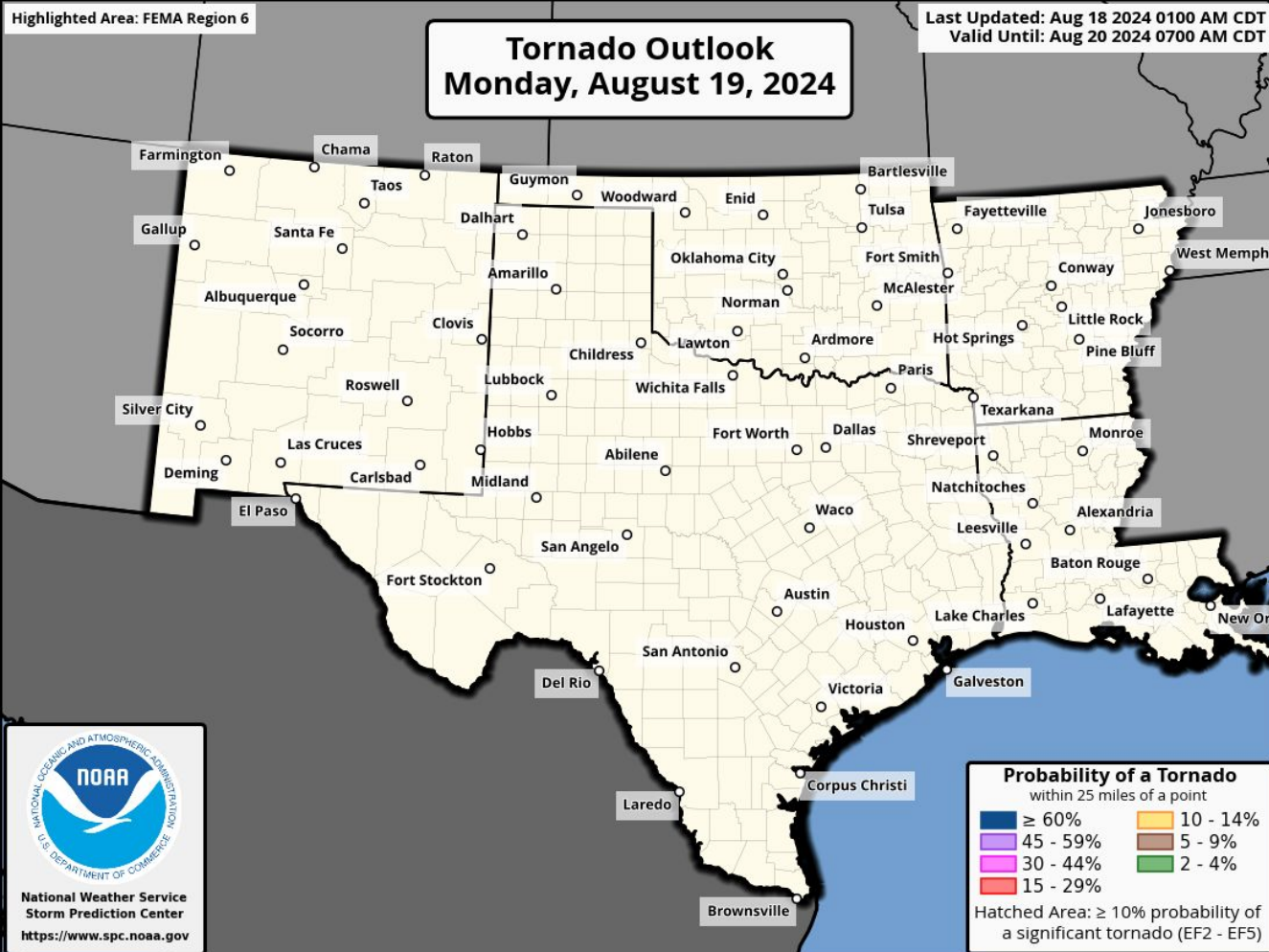
Elevated wildfire threat over SW OK, NW TX.

Marginal risk of severe storms across SW AR, E TX, W LA.



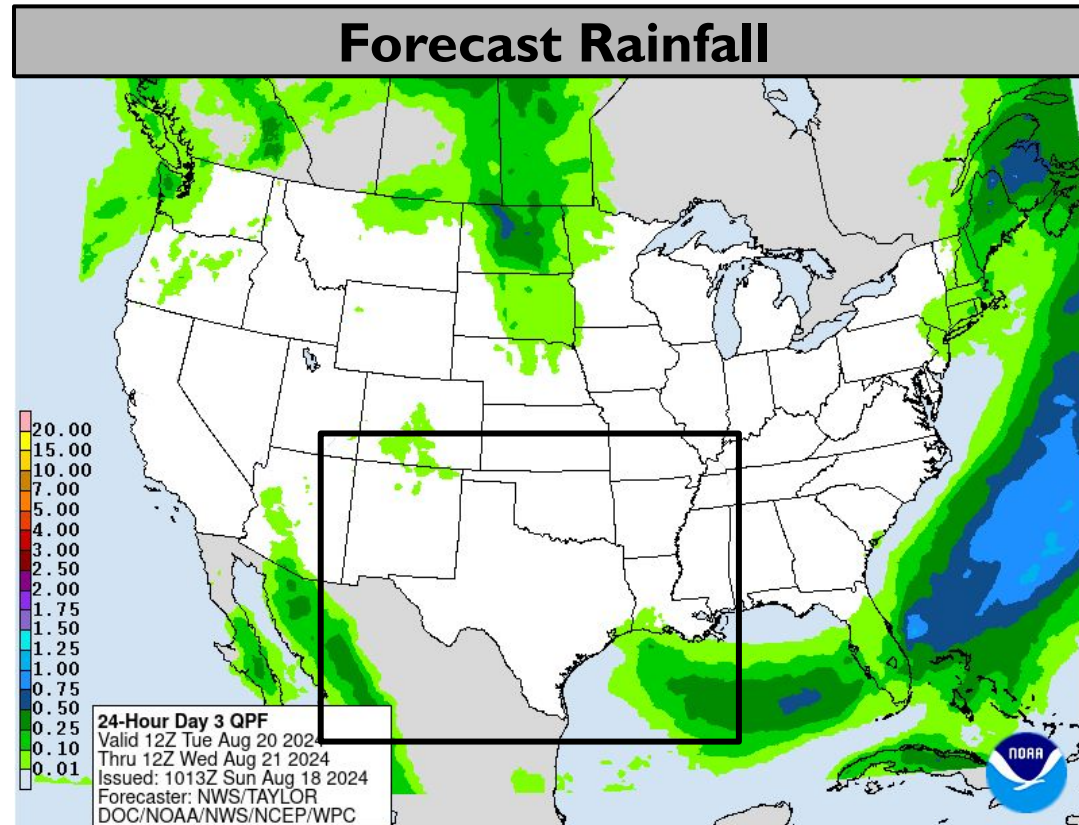
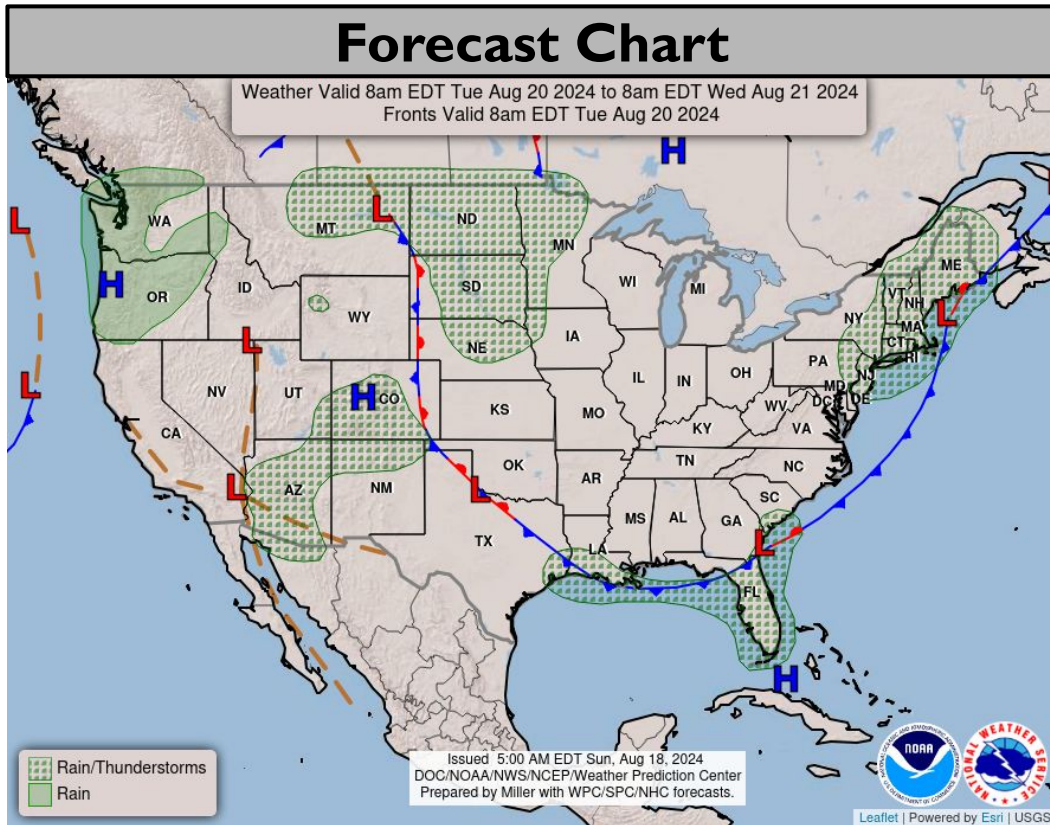


Tomorrow's Tornado & Severe Wind / Hail Probabilities





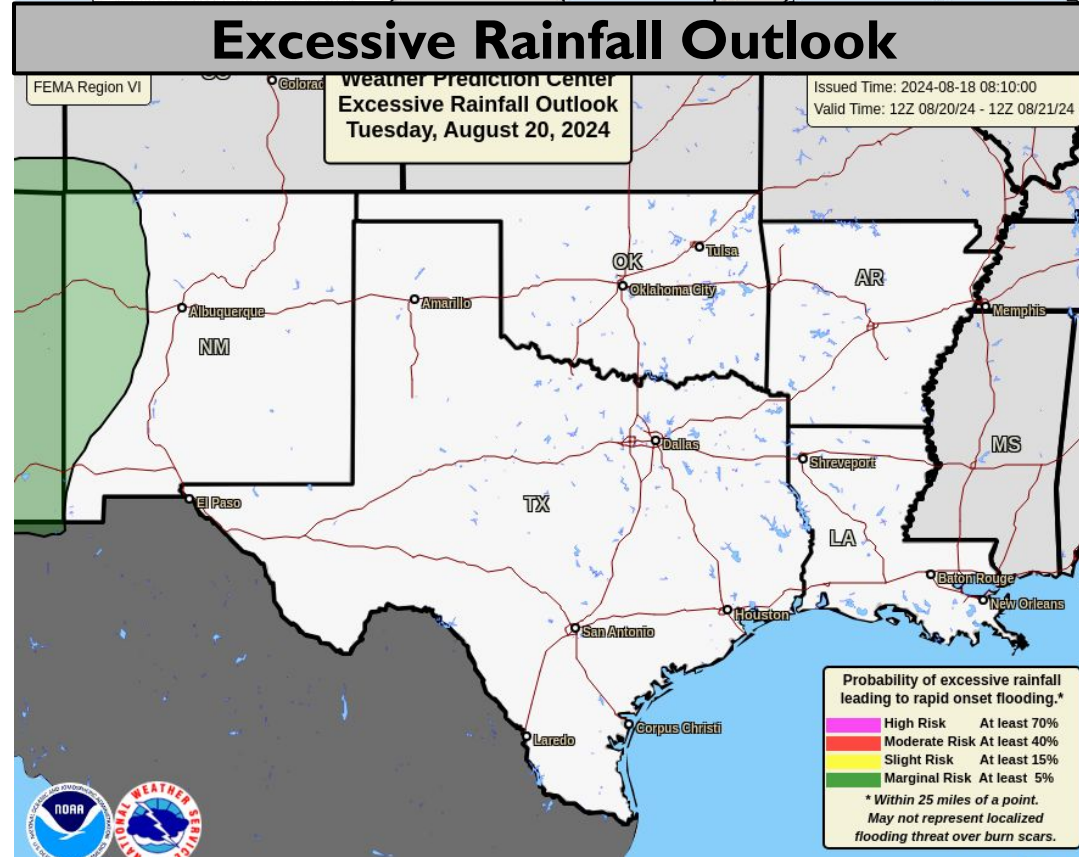
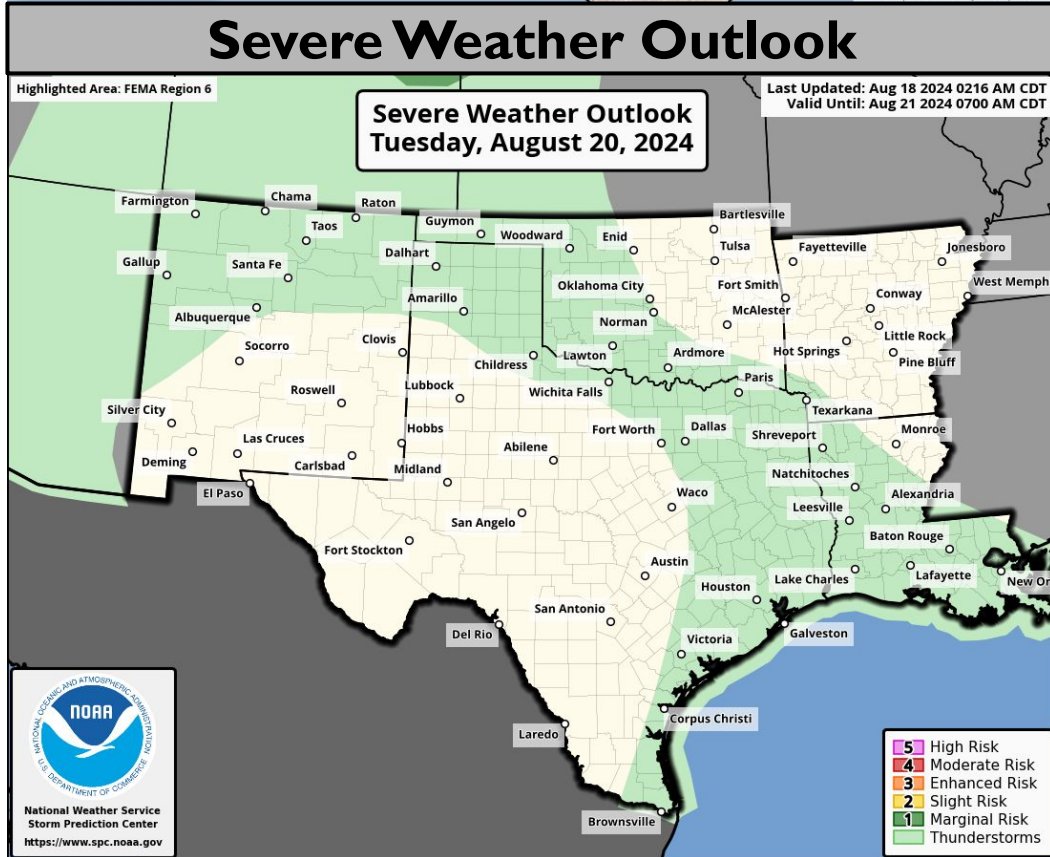
Tuesday's Weather



Excessive heat across NM, SW OK, TX.

Elevated wildfire threat over SW OK, NW TX.

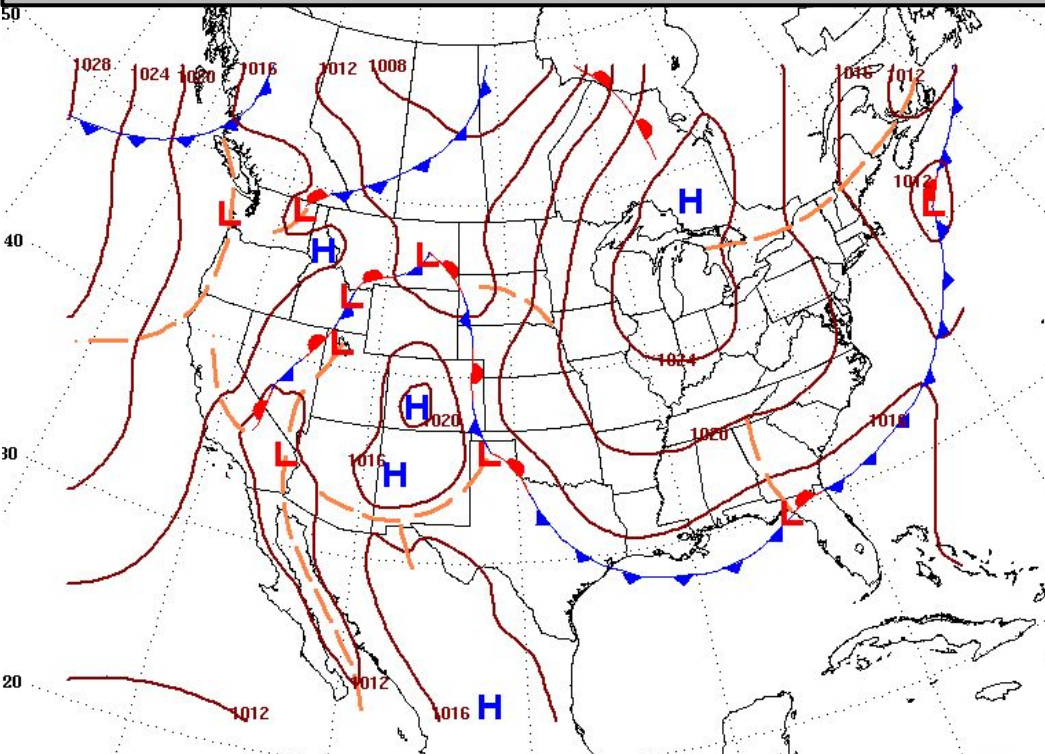
Marginal risk of excessive rainfall across W NM.



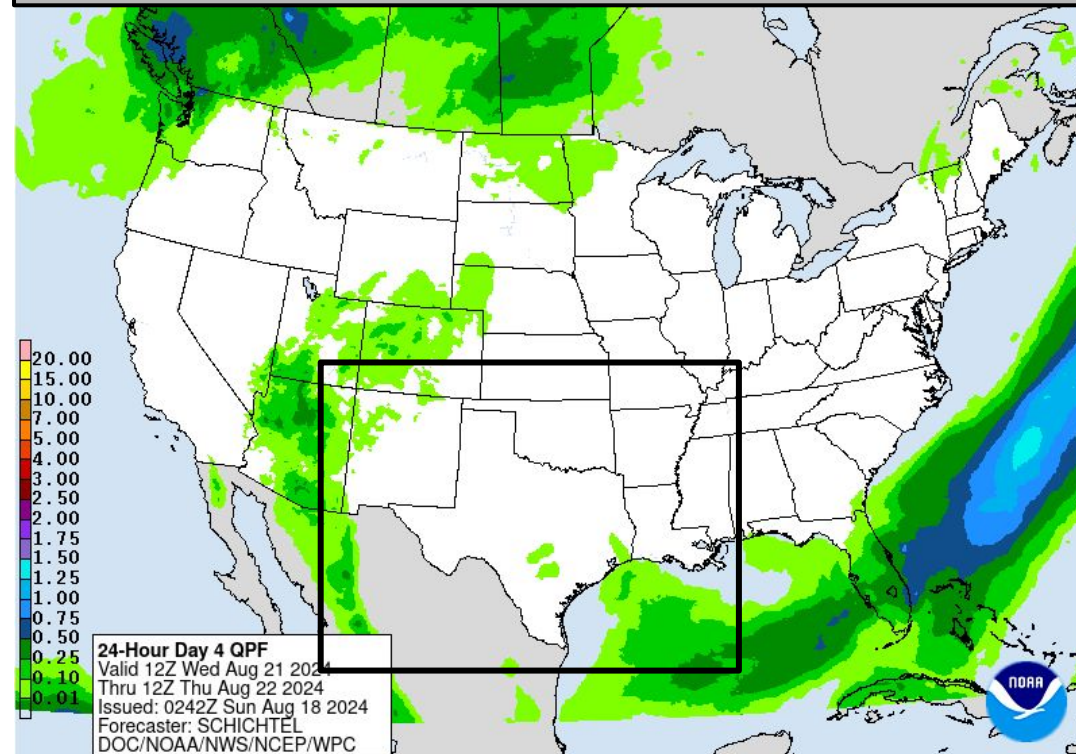


Wednesday's Weather

Forecast Chart



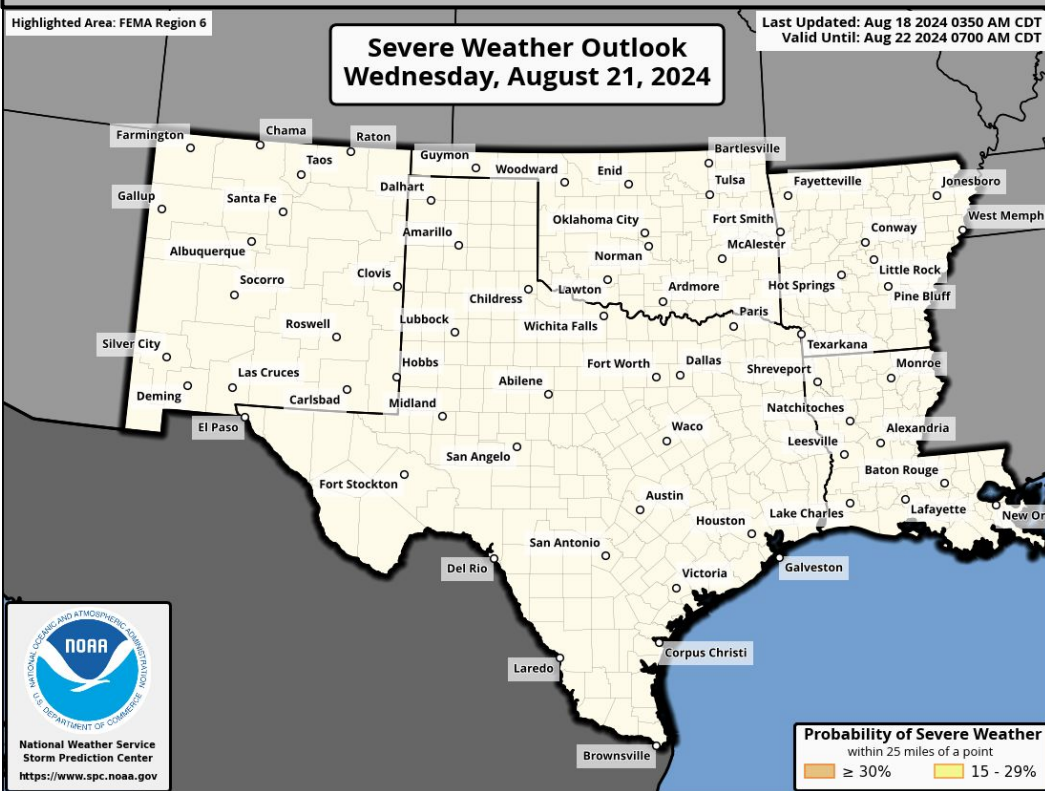
Forecast Rainfall



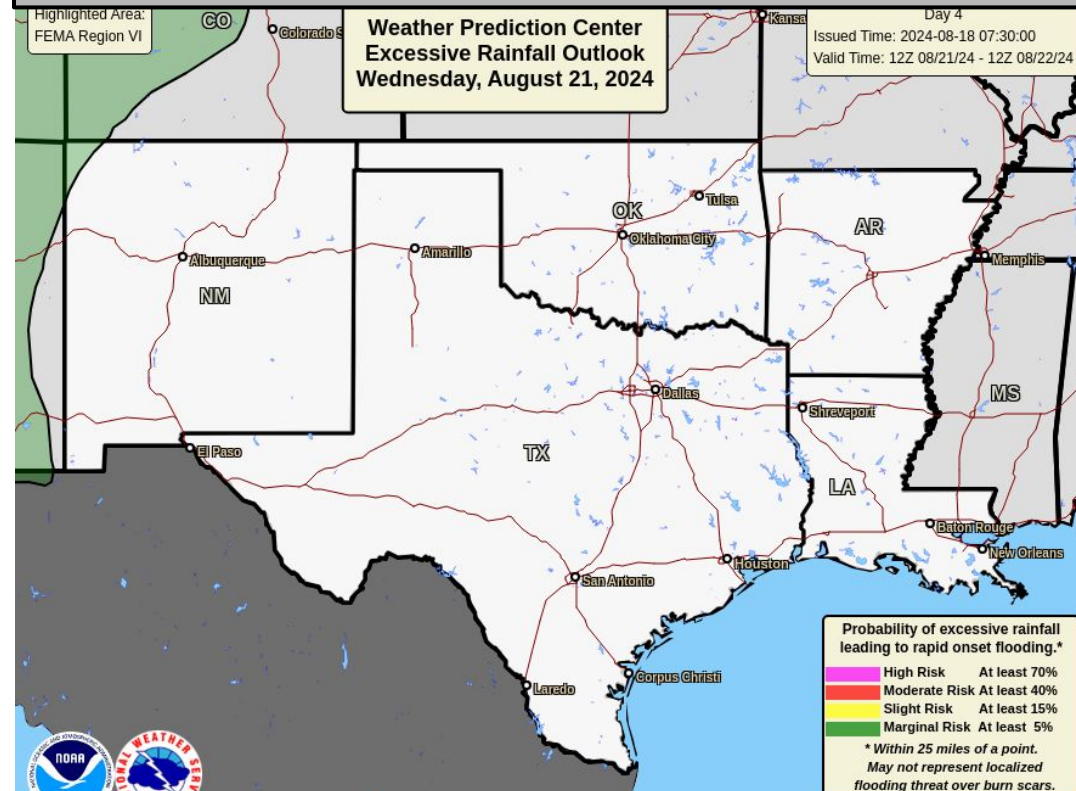
Excessive heat across NM, SW OK, TX.

Elevated wildfire threat over SW OK, NW TX.

Severe Weather Outlook



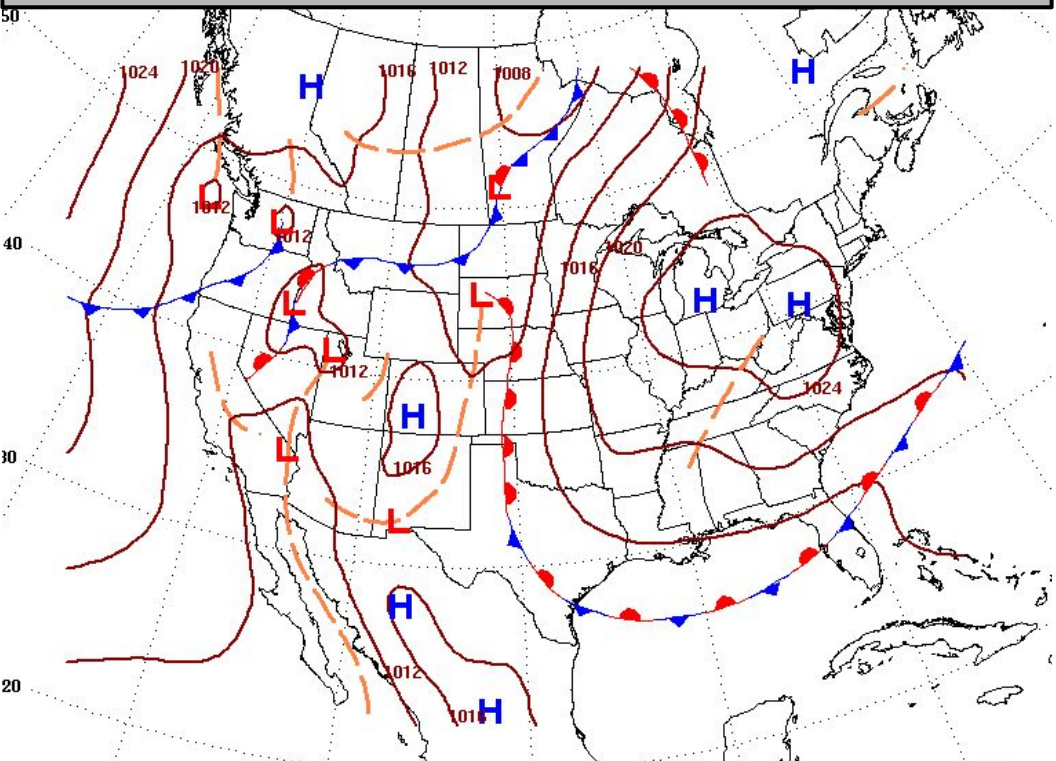
Excessive Rainfall Outlook



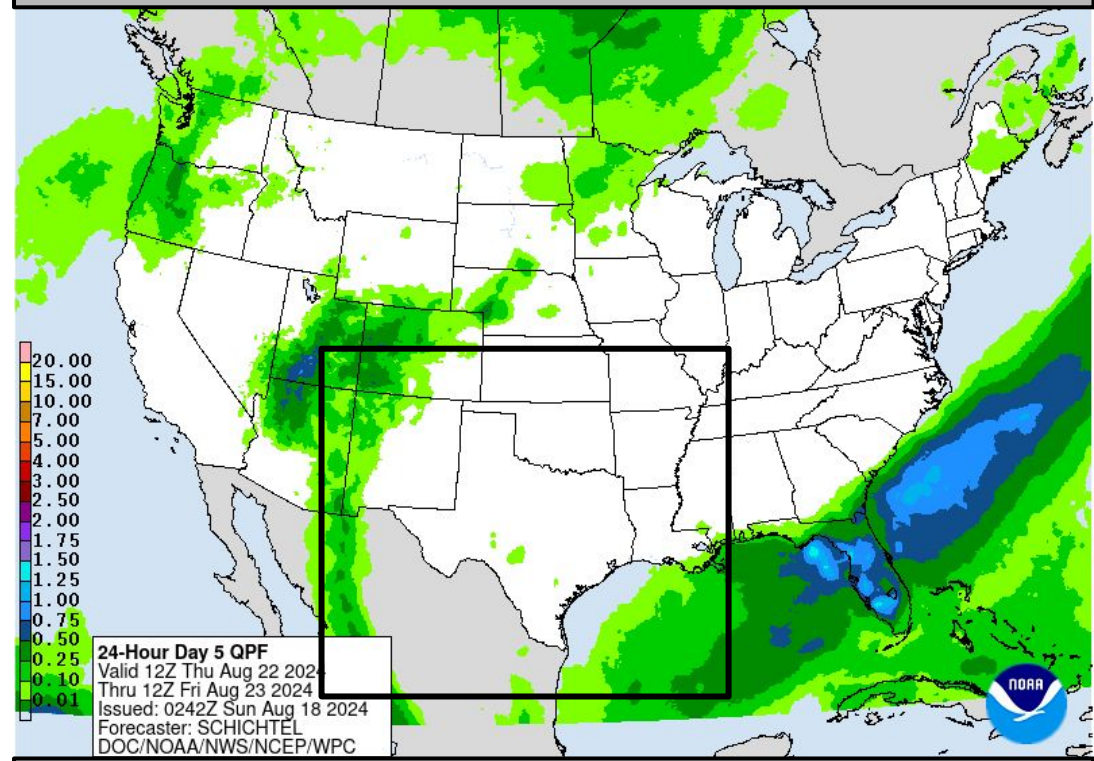


Thursday's Weather

Forecast Chart



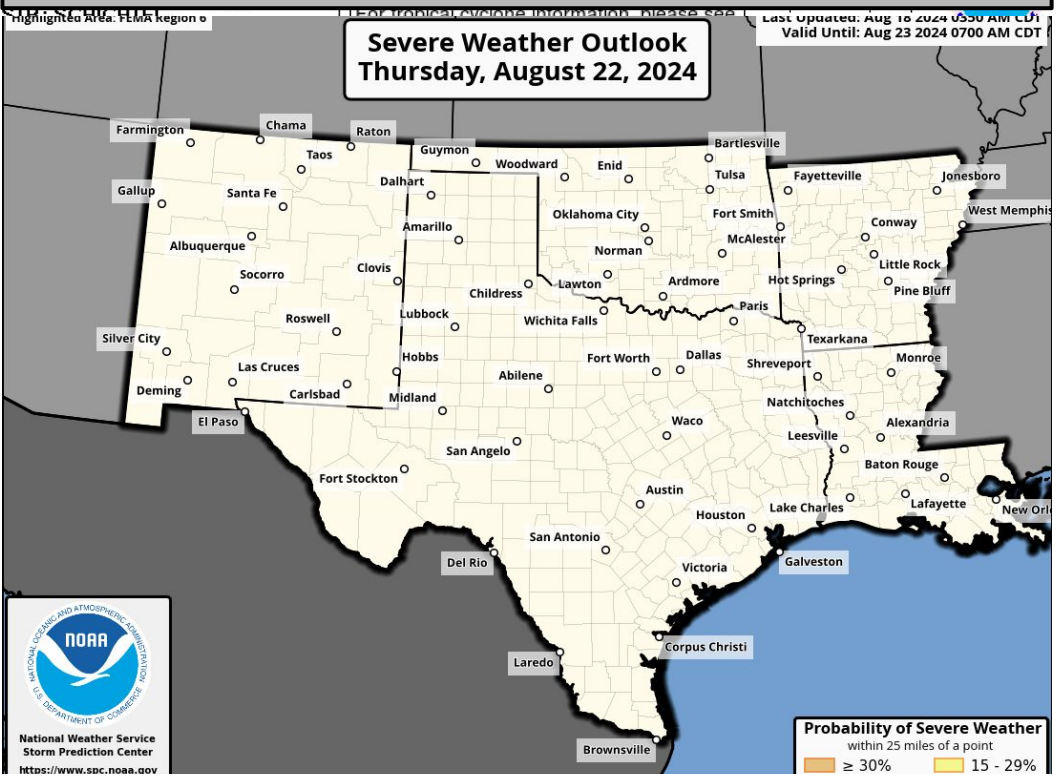
Forecast Rainfall



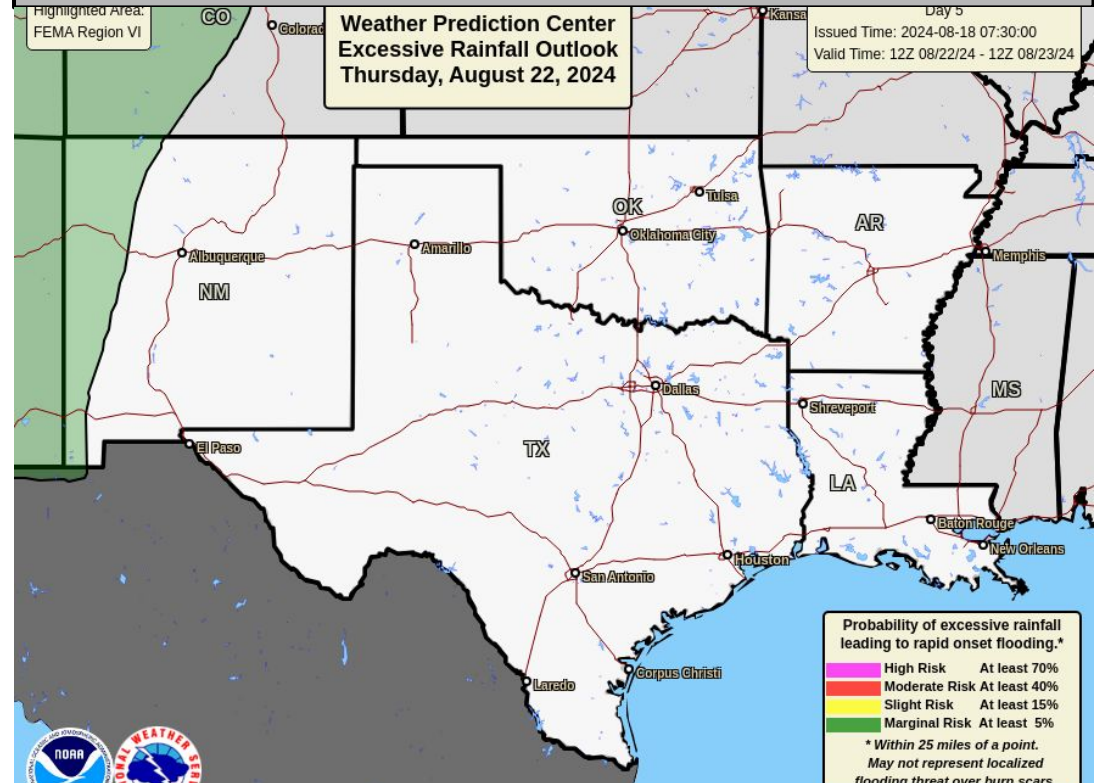
Excessive heat across NM, W/TX.

Marginal risk of excessive rainfall across W NM.

Severe Weather Outlook



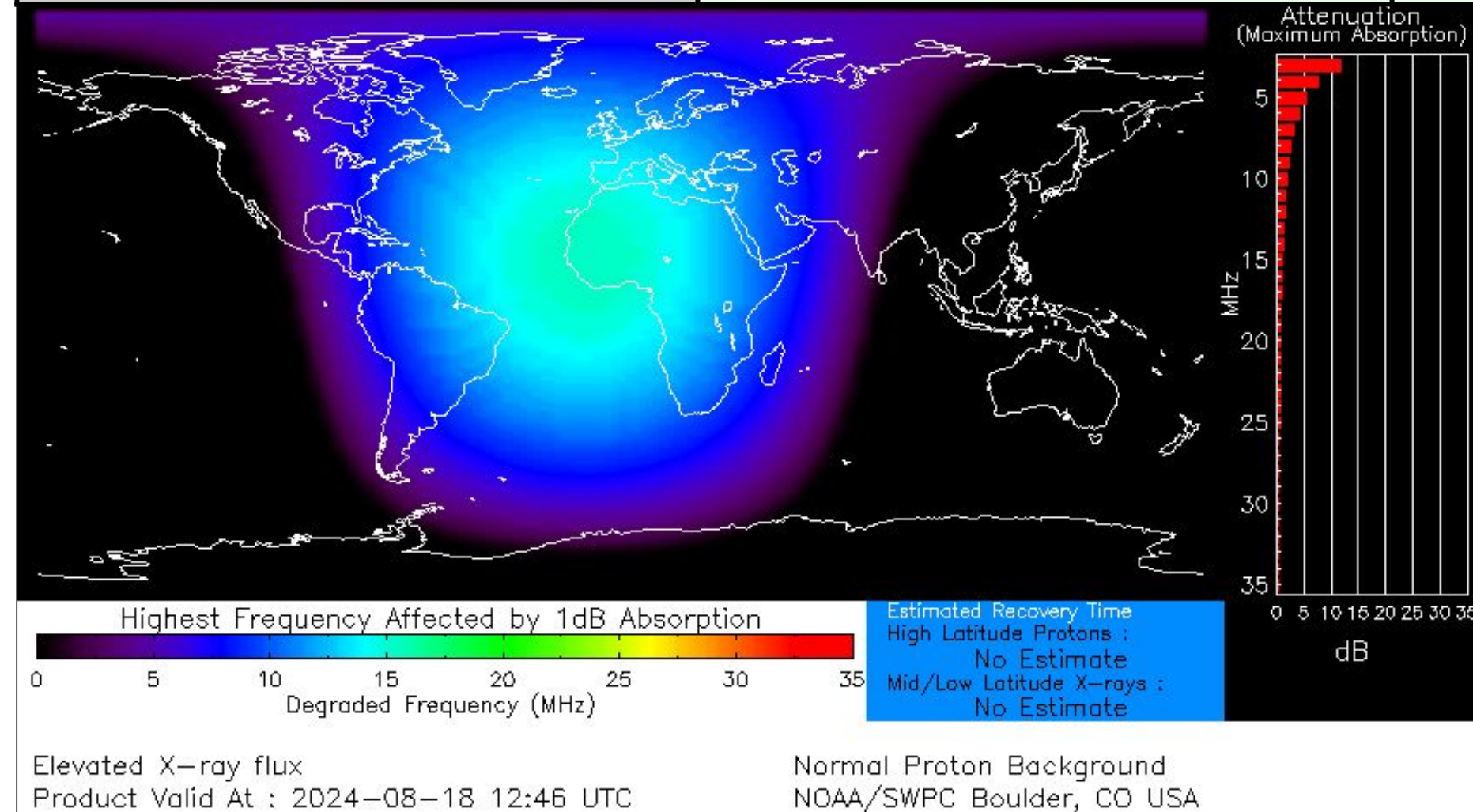
Excessive Rainfall Outlook





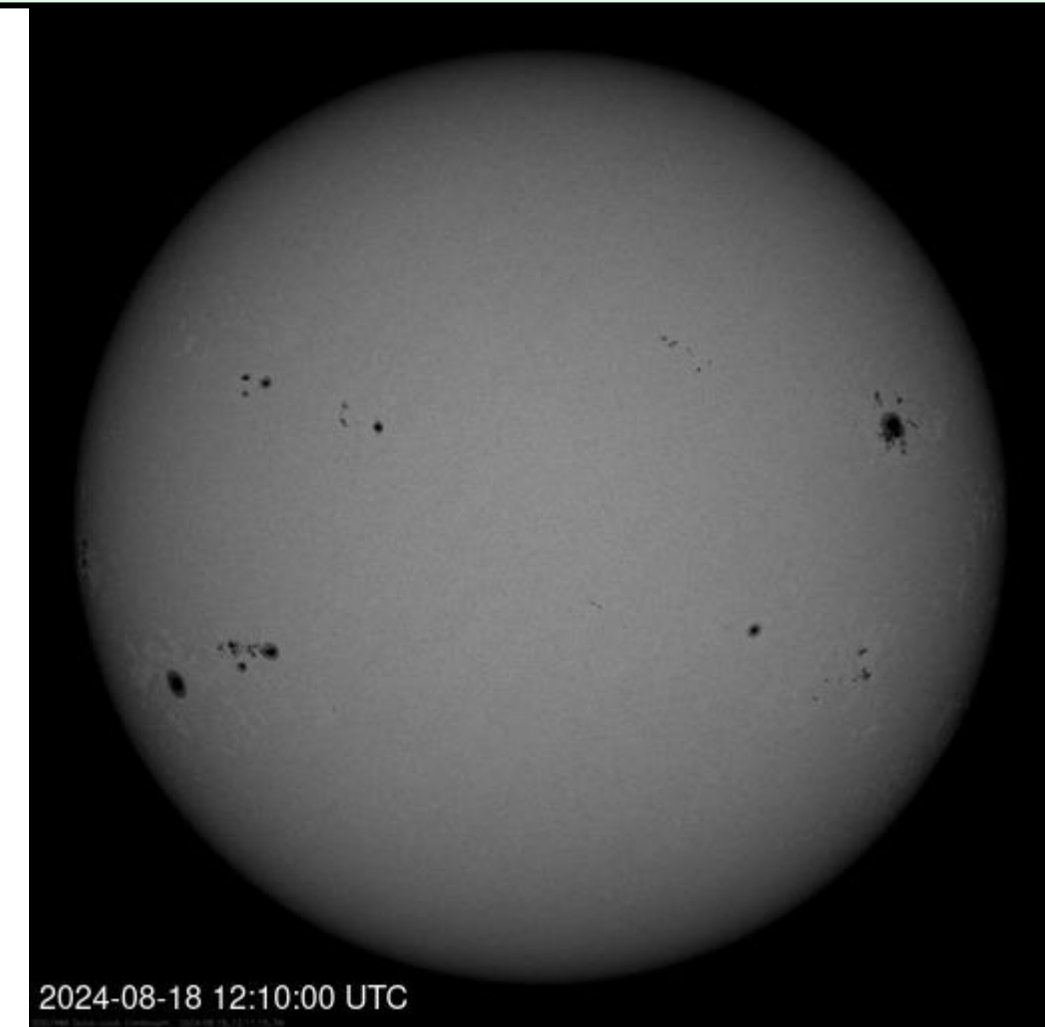
Space Weather 3-Day Forecast

	Sunday, Aug 18	Monday, Aug 19	Tuesday, Aug 20
Geomagnetic Storms	Active (Max Kp = 4)	Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	10%	10%	10%
Radio Blackout (R1-R2)	70%	70%	70%
Radio Blackout (R3-R5)	20%	20%	20%



[Description of the Space Weather Storm Scales](#)

[Latest 3-Day Space Weather Forecast](#)



Weather "Threat" Matrix for FEMA Region VI

Color	Definition	Criteria	Example(s)
Green	<p style="text-align: center;">Little to None</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 seabreeze storms in coastal TX
Yellow	<p style="text-align: center;">Minor</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;">Moderate</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;">Major</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;">Extreme</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



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