



FEMA



Prepared by
Melissa Beat

FEMA Region 6 Weather Threat Briefing

Thursday, October 17, 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.



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Southern Region



Summary

- **Elevated to critical fire weather conditions over portions of OK, TX today.**
- **Frost/Freeze conditions this morning in E OK, AR.**
- **Risk for heavy rainfall leading to flash flooding Friday in N NM, peaking Saturday over NE NM, W OK/TX Panhandles, and lingering Sunday over NE NM, TX/OK Panhandles.**
- **Marginal risk for severe storms Friday over E NM and again on Saturday extending into W TX/OK Panhandles.**

- **Tropical Weather Outlook:**
 - **A disturbance in the eastern tropical Atlantic has a low chance (30%) of development. No impacts are expected in the next 7 days.**
 - **A disturbance in the western Caribbean has a low chance (20%) of development. No impacts are expected in the next 7 days.**





FEMA Region 6 Threat Matrix

Next 5 Days

	Thursday, Oct 17	Friday, Oct 18	Saturday, Oct 19	Sunday, Oct 20	Monday, Oct 21
Severe Storms		E NM	E NM, W TX/OK Panhandles		
Heavy Rain / Flash Flooding		N NM	NE NM, W TX/OK Panhandles	NE NM, TX/OK Panhandles	
Fire Weather	OK, TX				
Cold	E OK, AR				
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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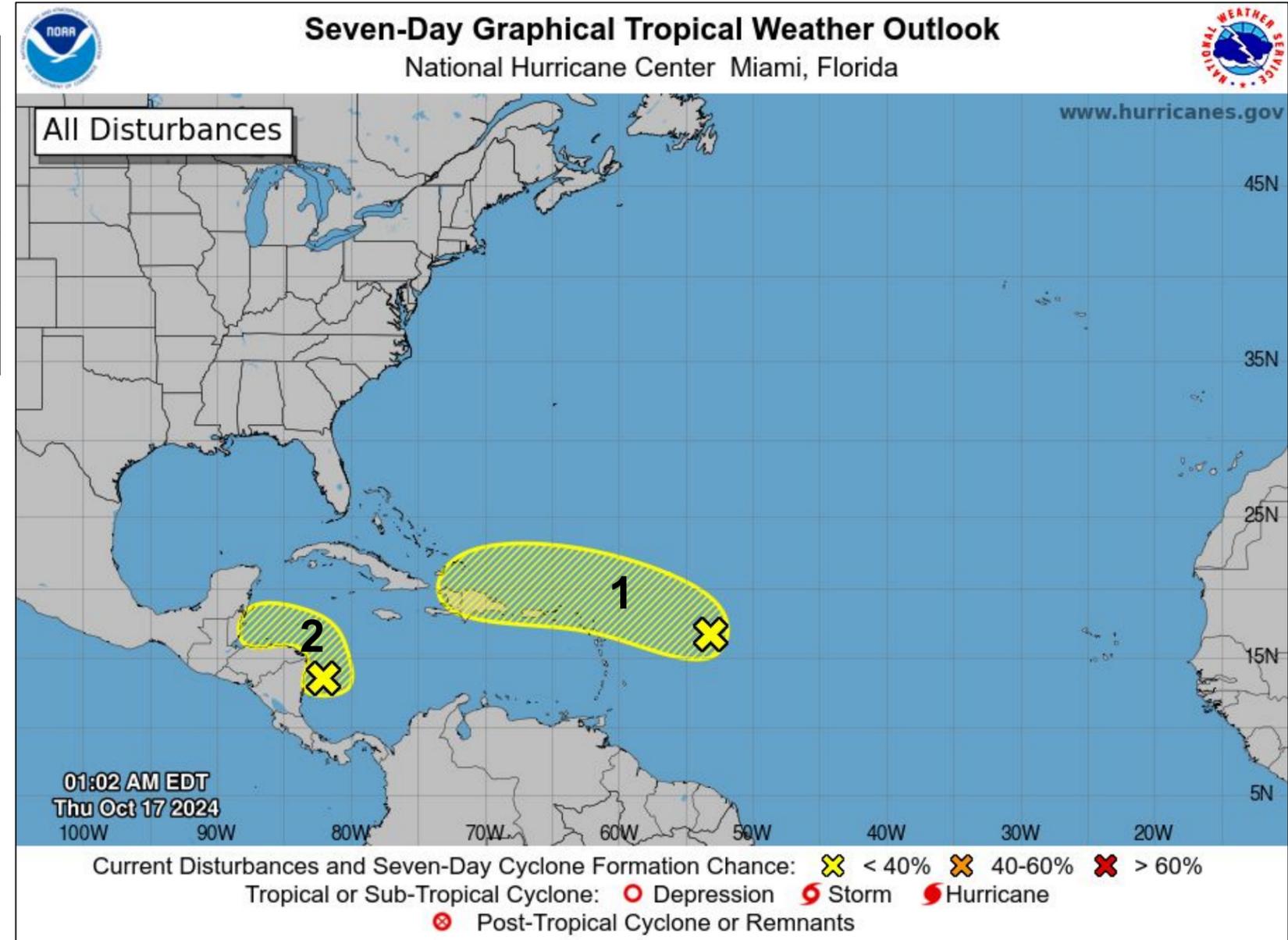
Tropical Weather Outlook – Atlantic/Gulf

Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Low	None in the next 7 days.
2	Low	None in the next 7 days.

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
-	-



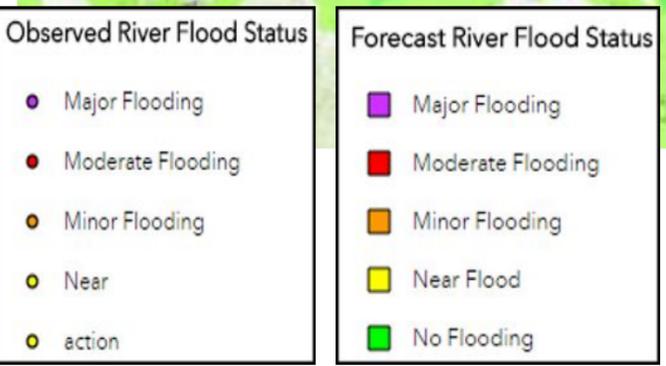
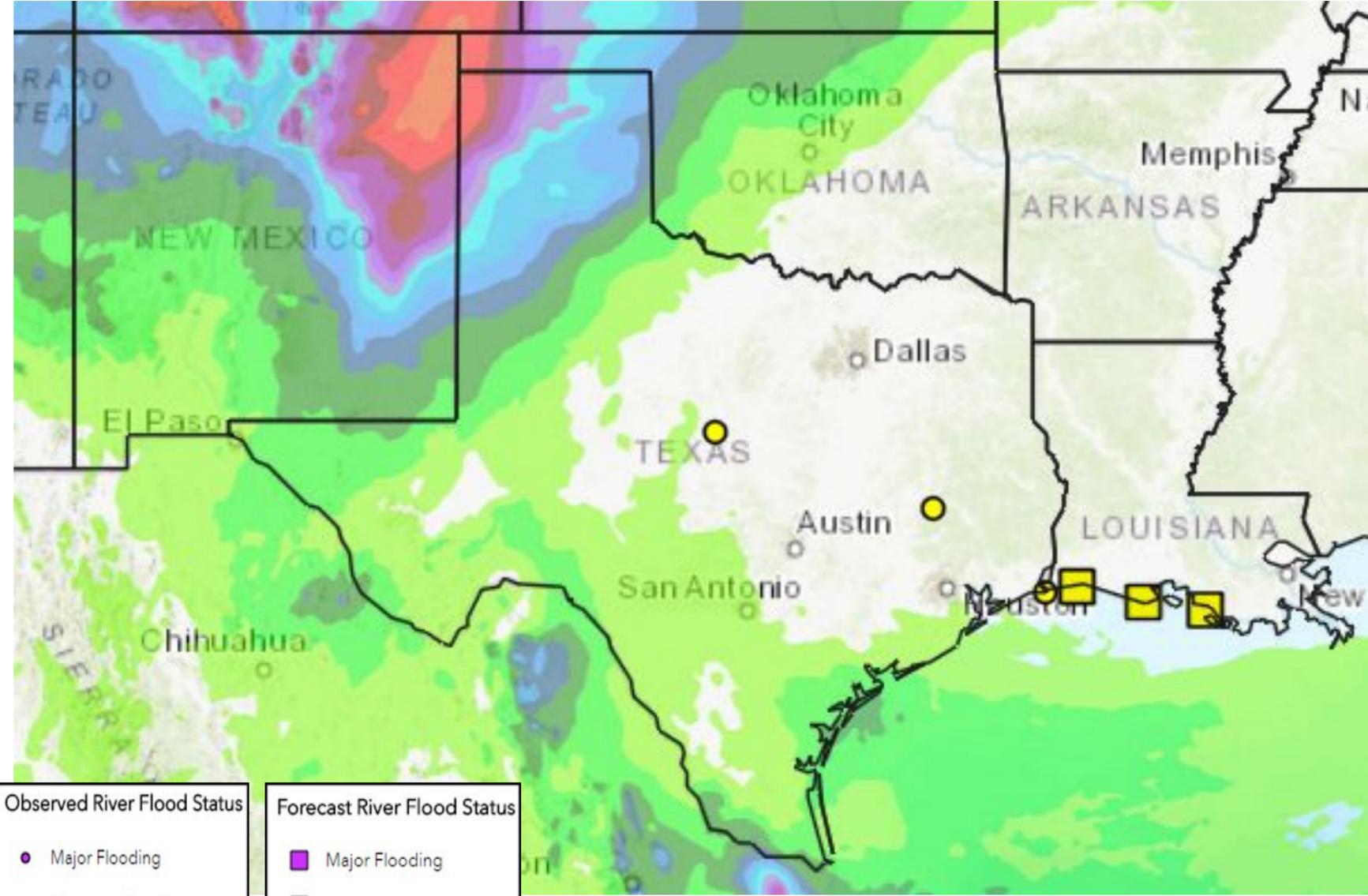
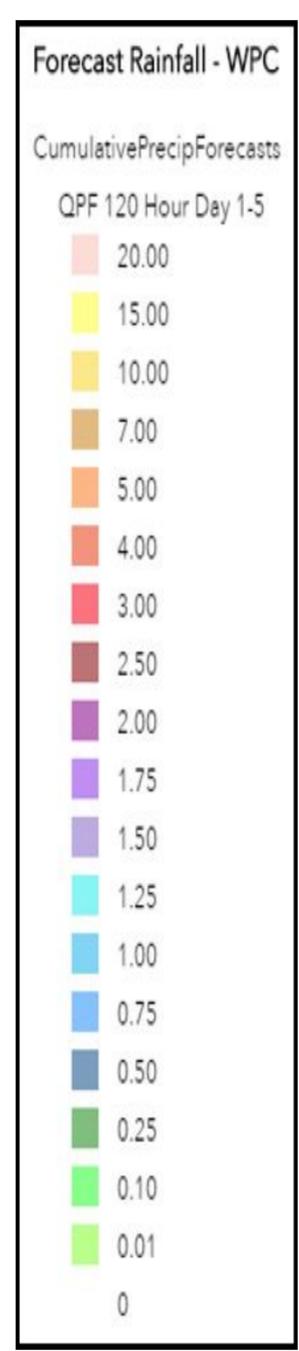
See <http://www.hurricanes.gov> for the latest on the tropics or any active storms





5-Day Precipitation Forecast & River Flood Status

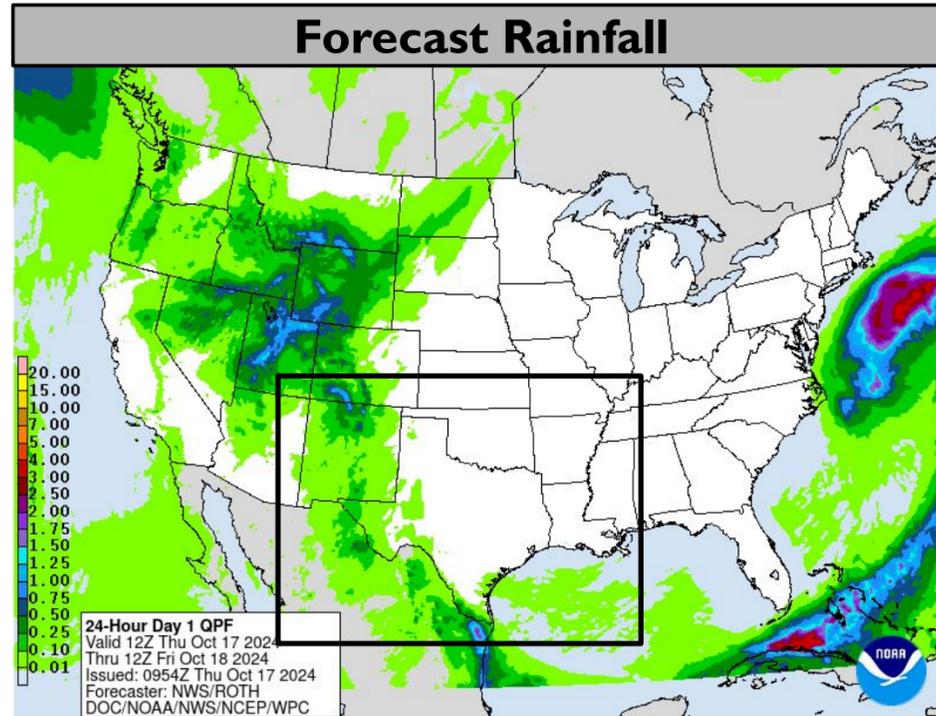
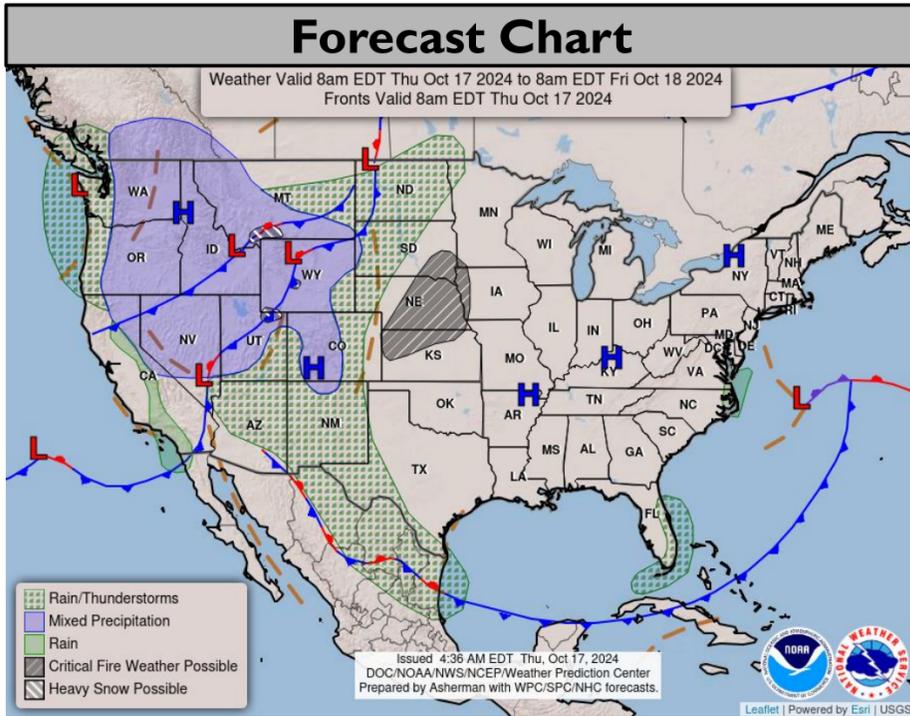
Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



No river flooding expected.

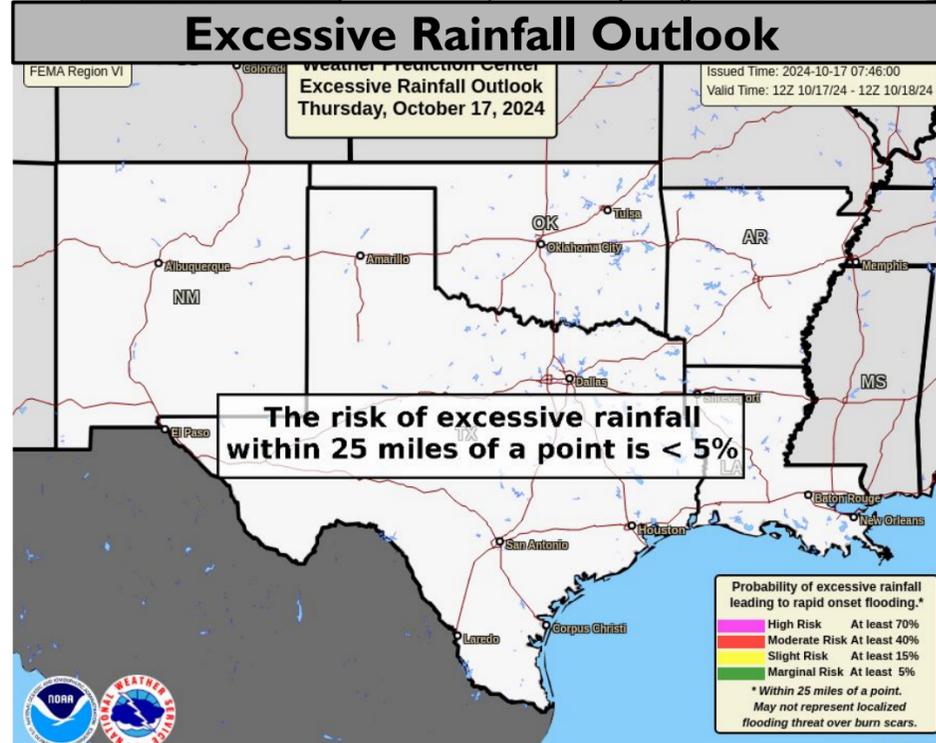
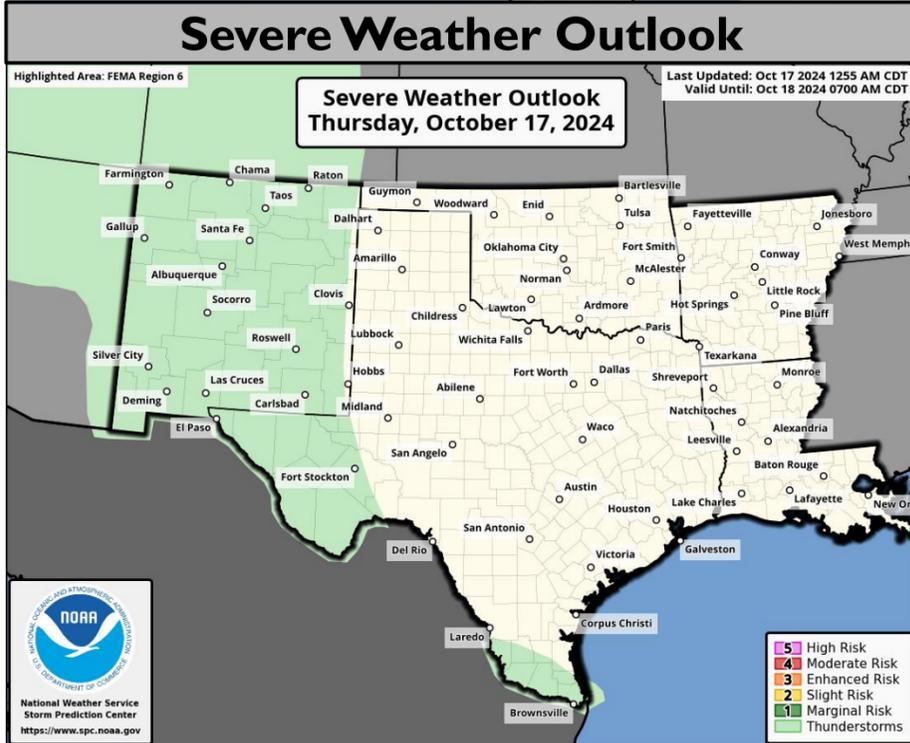


Today's Weather



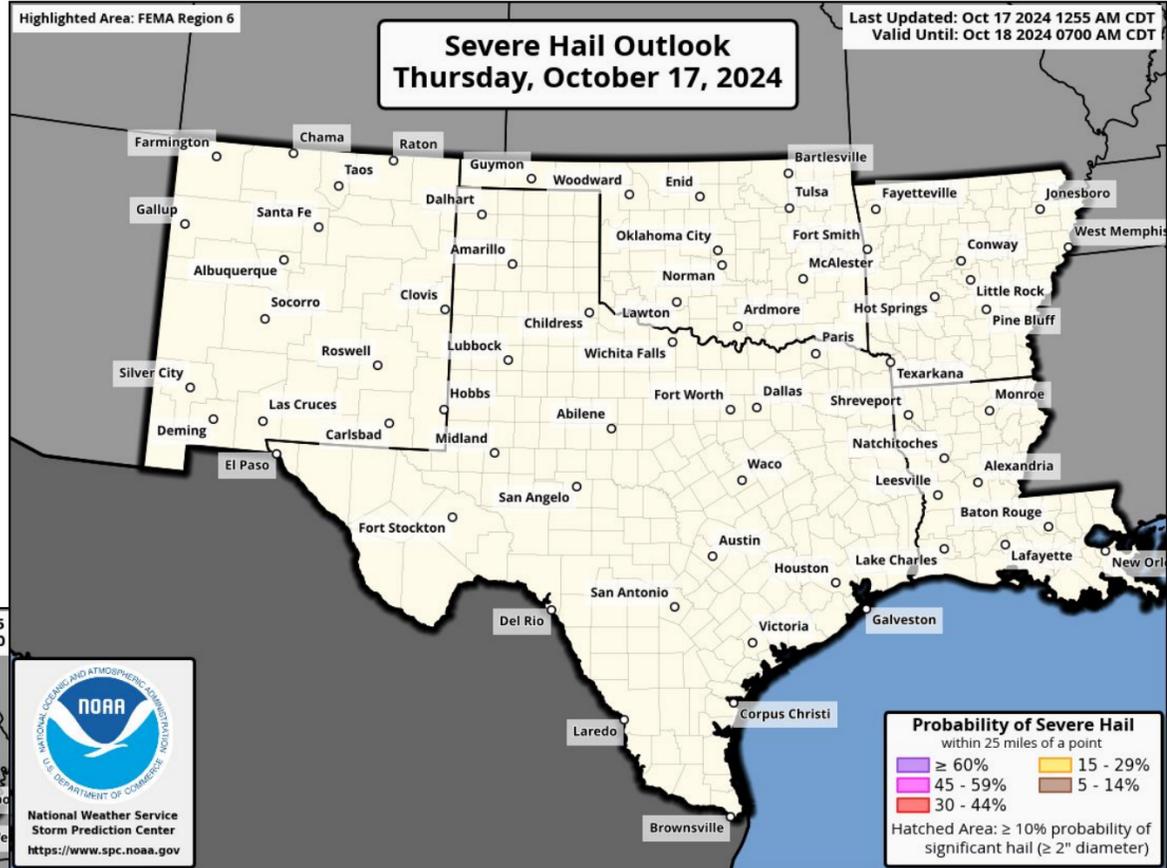
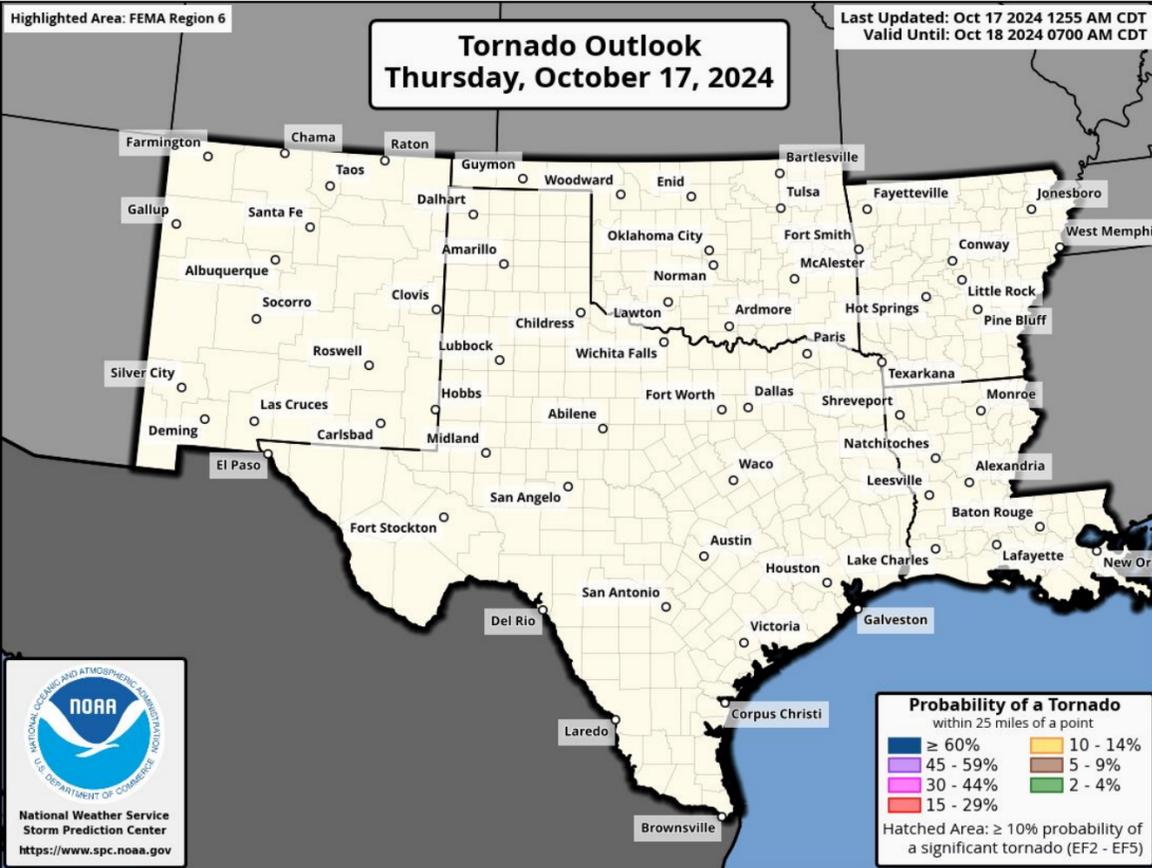
Elevated to critical fire weather conditions in OK, TX.

Frost/Freeze conditions expected in E OK, AR in the morning.



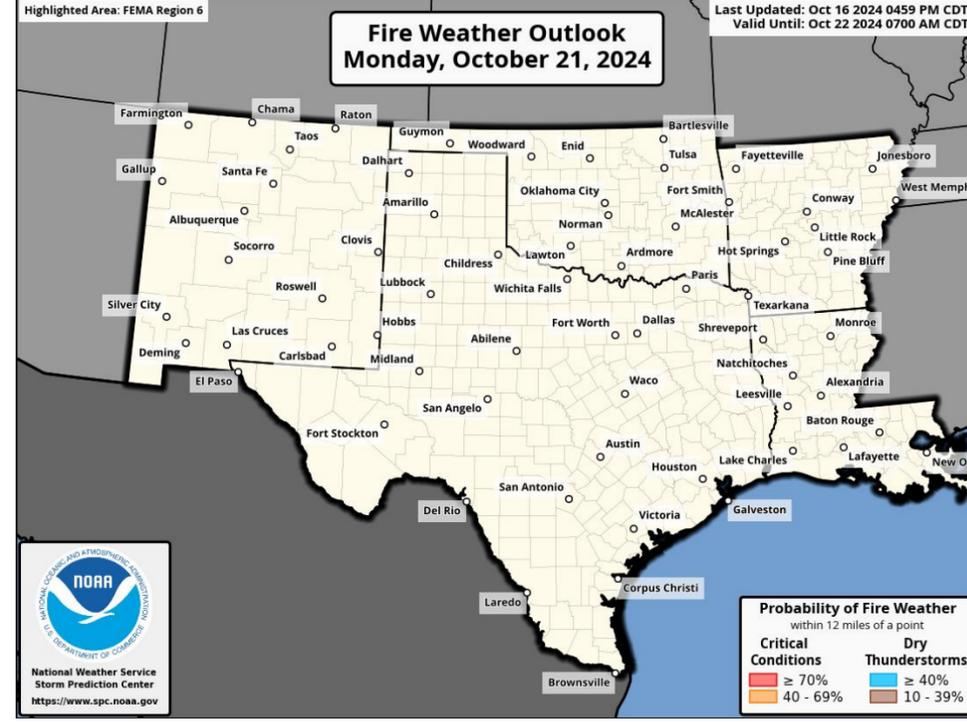
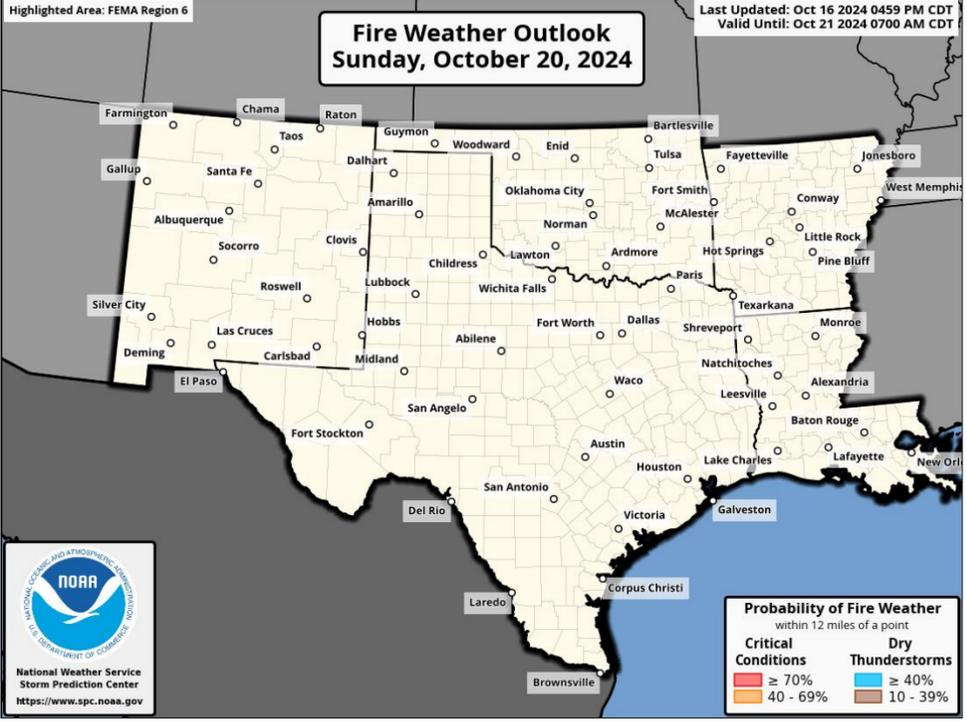
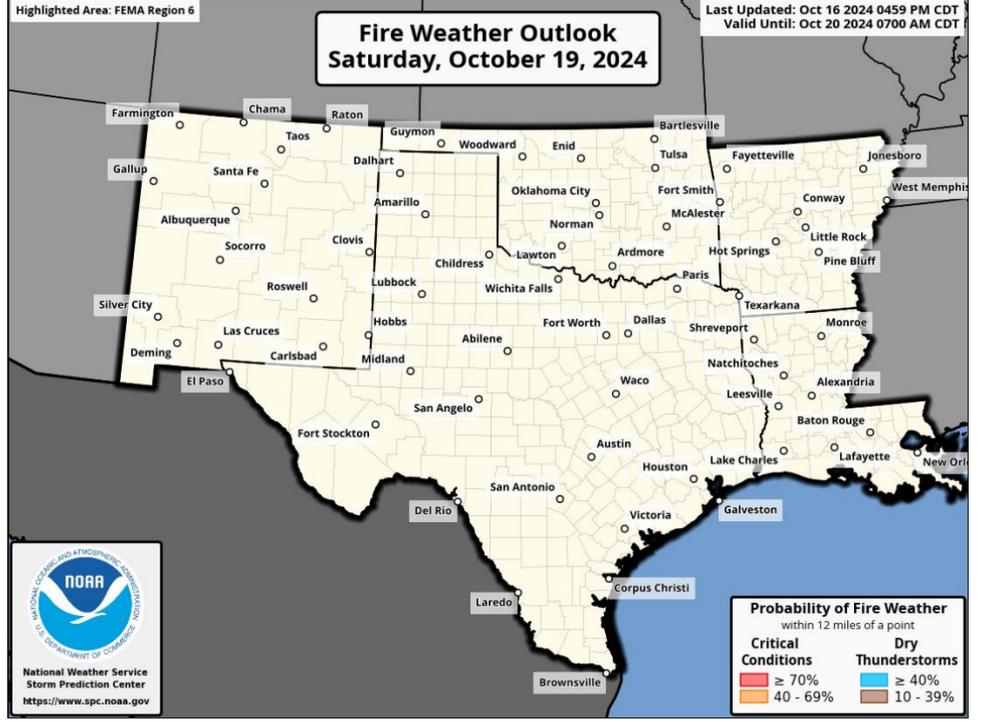
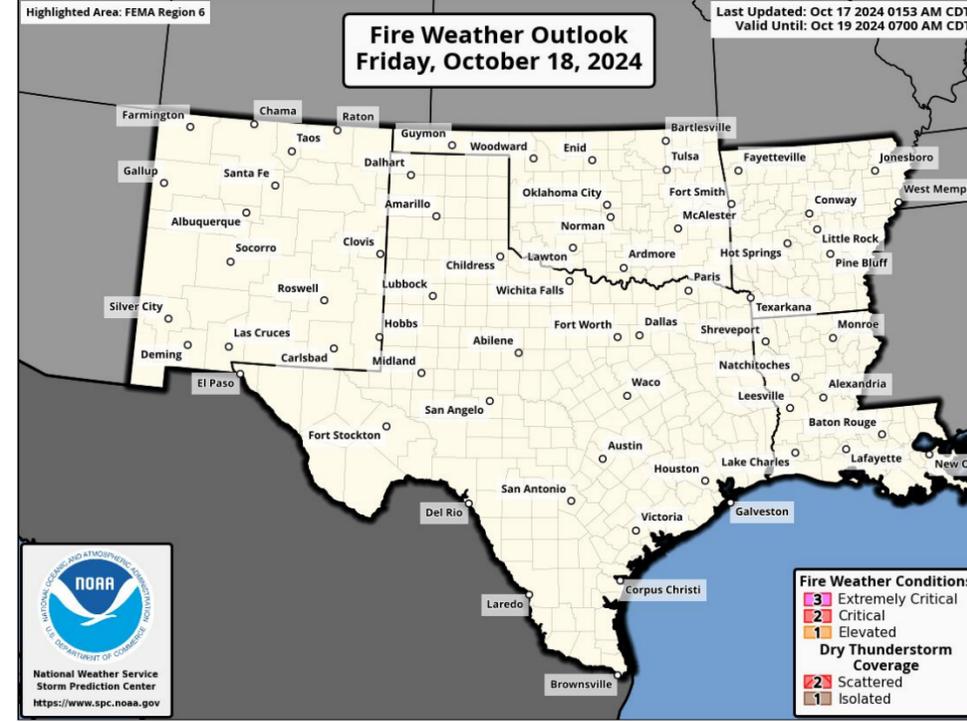
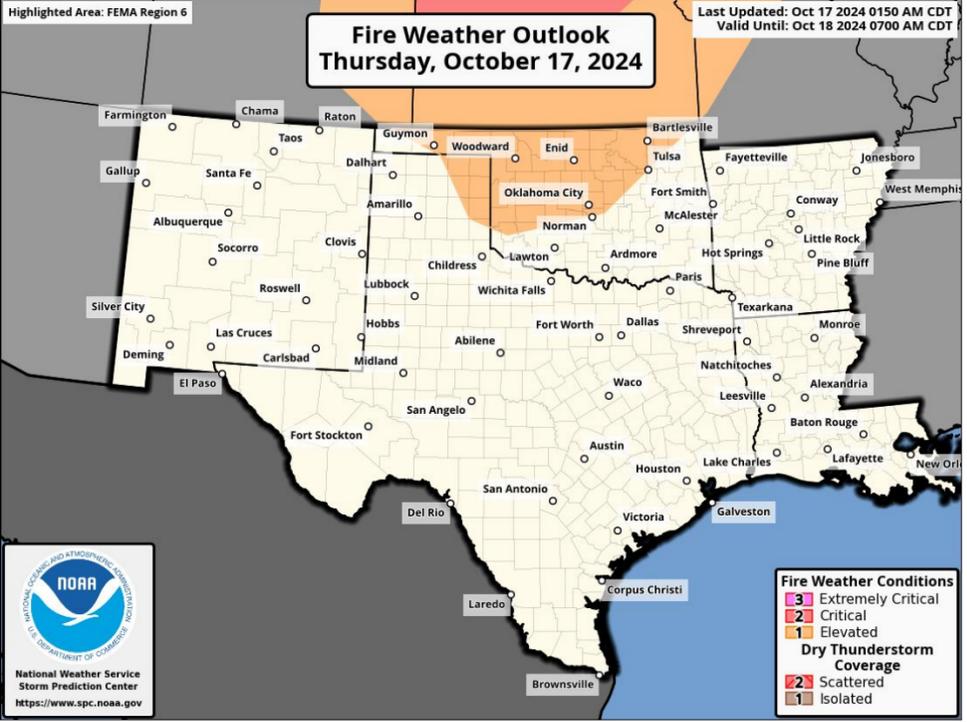
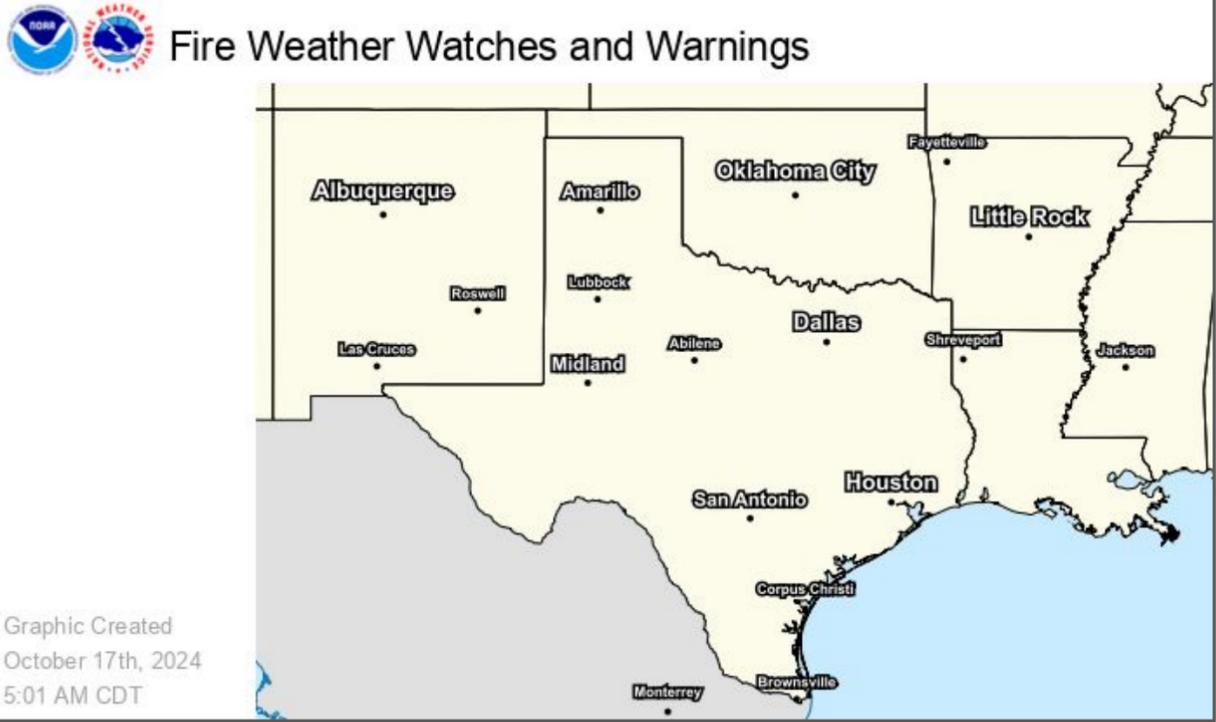


Today's Tornado & Severe Wind / Hail Probabilities



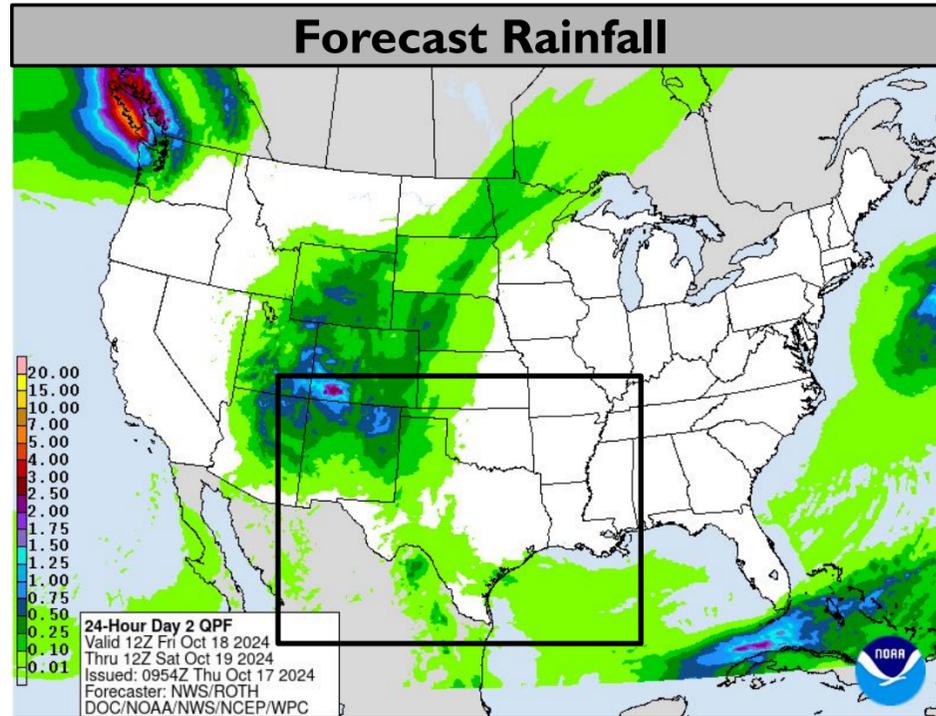
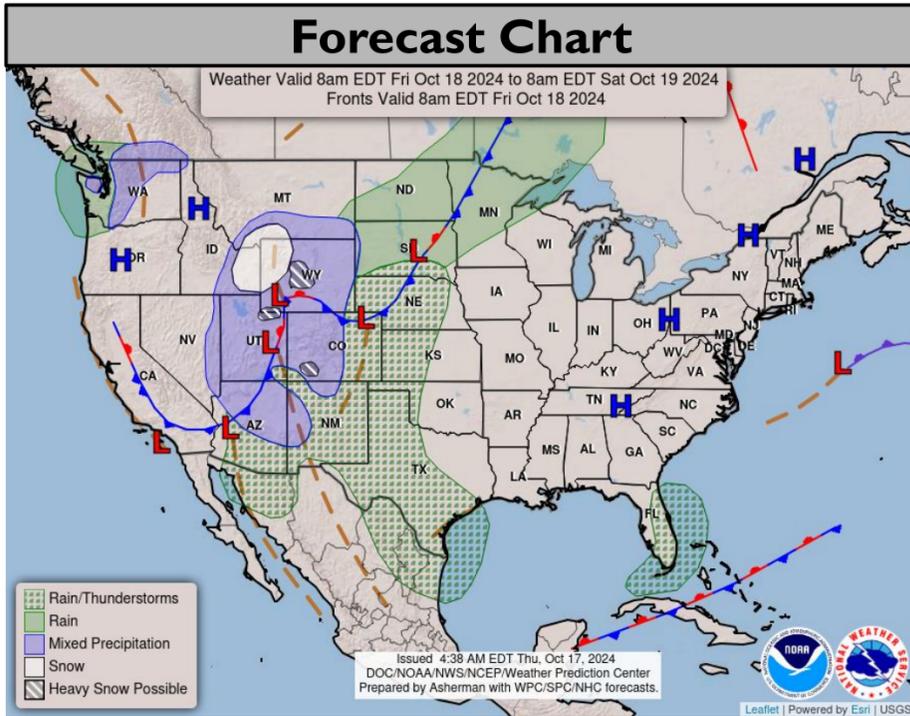


Fire Weather Outlooks



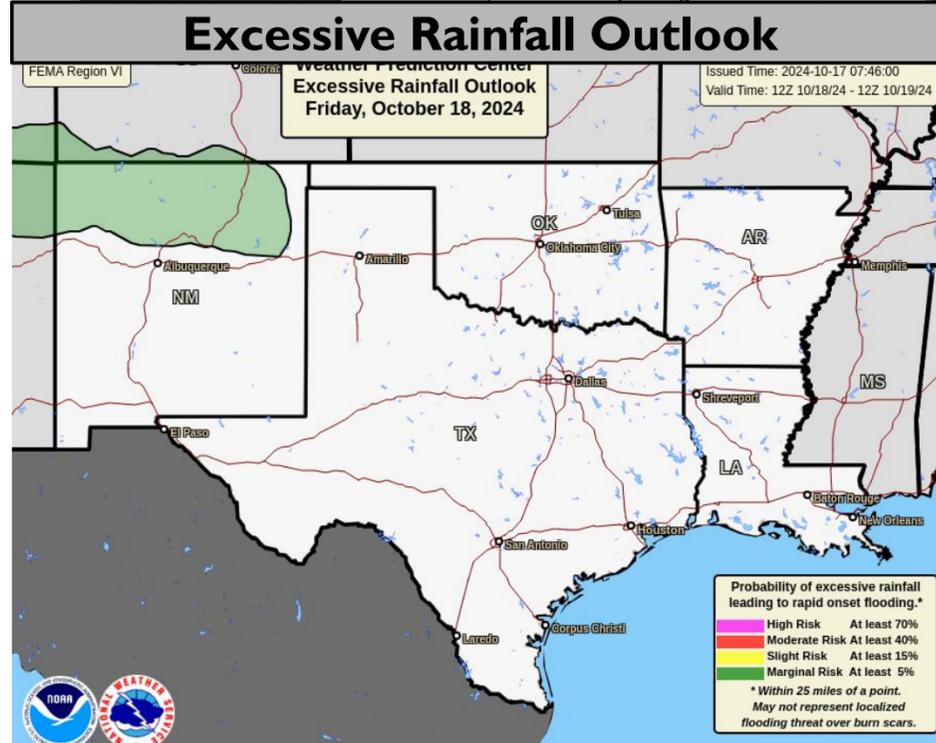
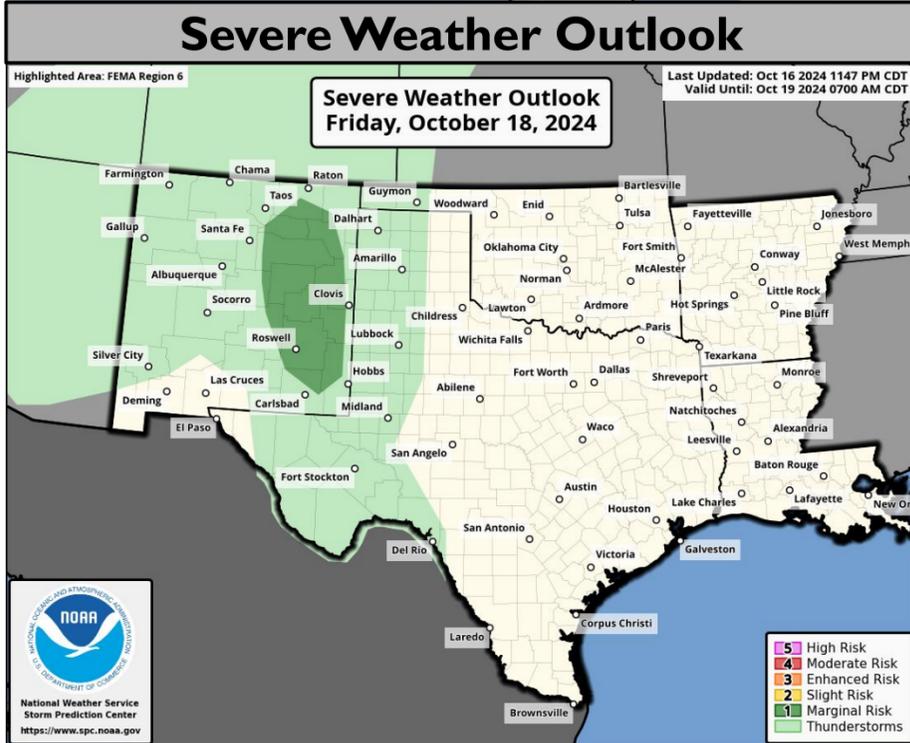


Tomorrow's Weather



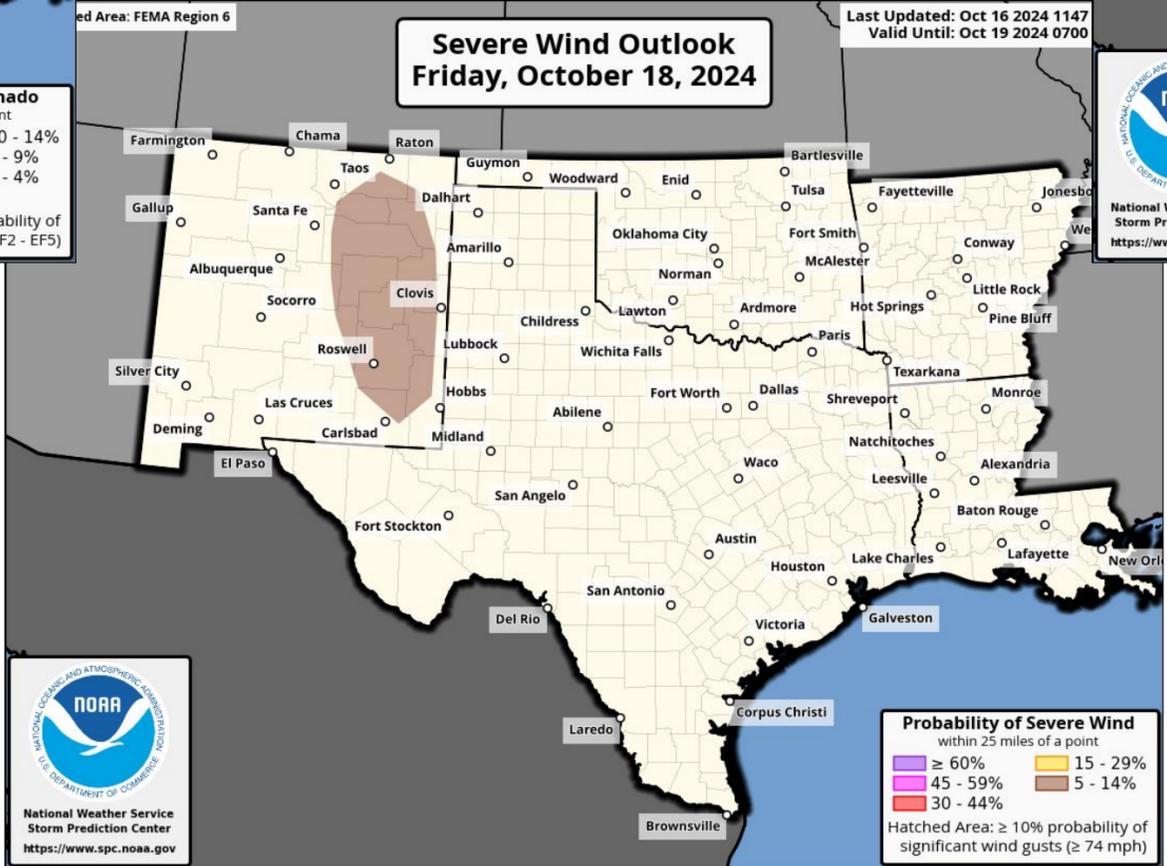
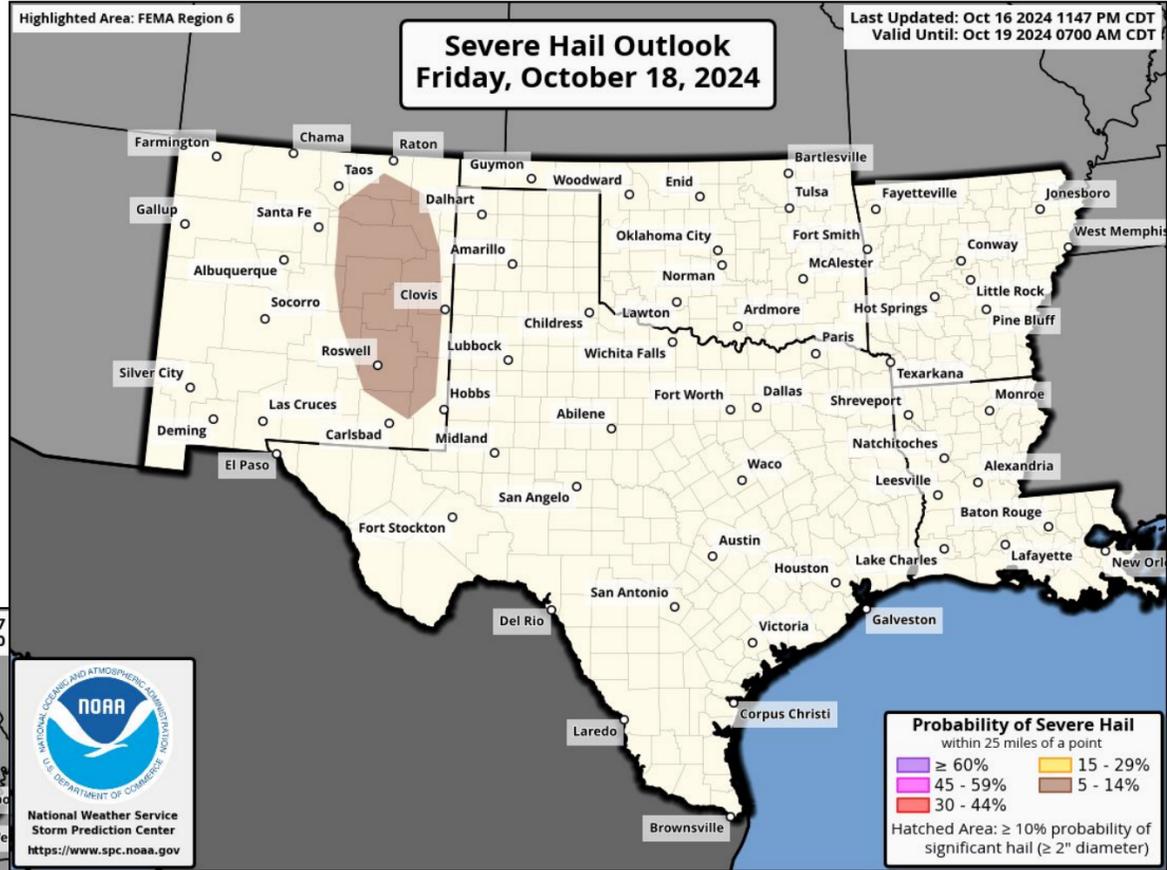
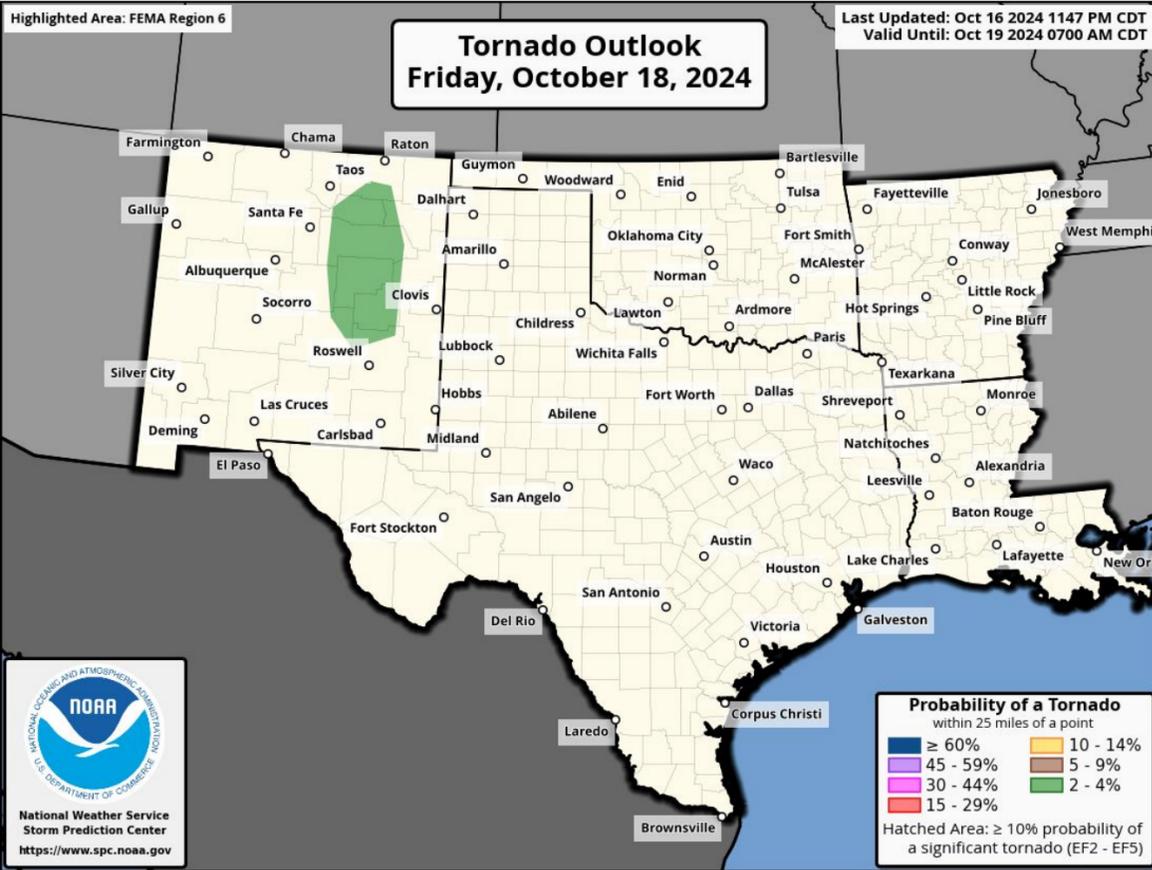
Risk of heavy rainfall leading to flash flooding over N NM, particularly burn scars.

Marginal risk for severe storms in E NM.



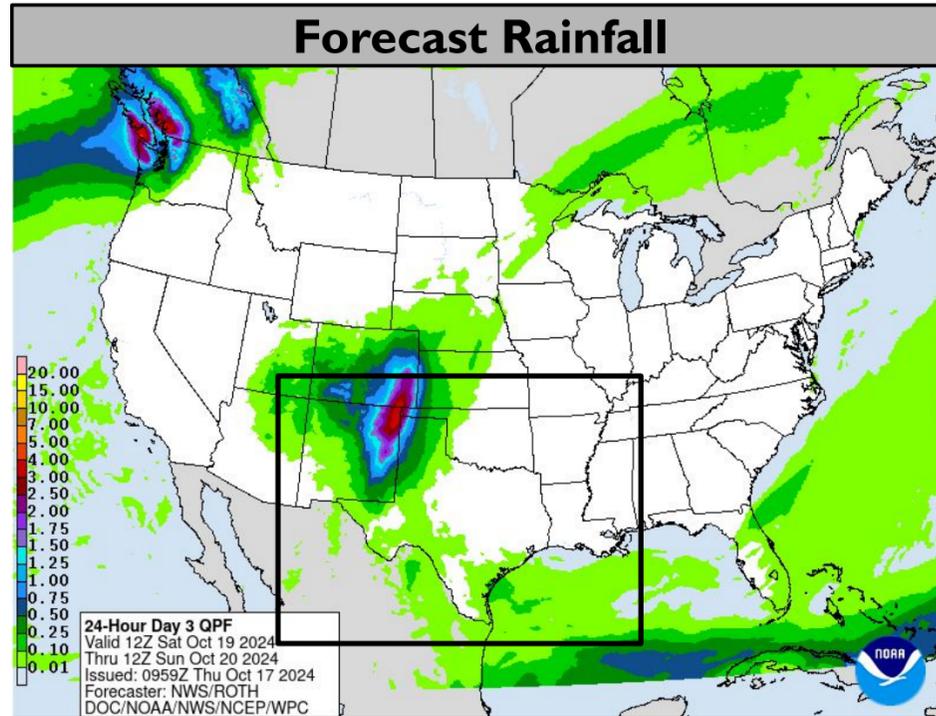
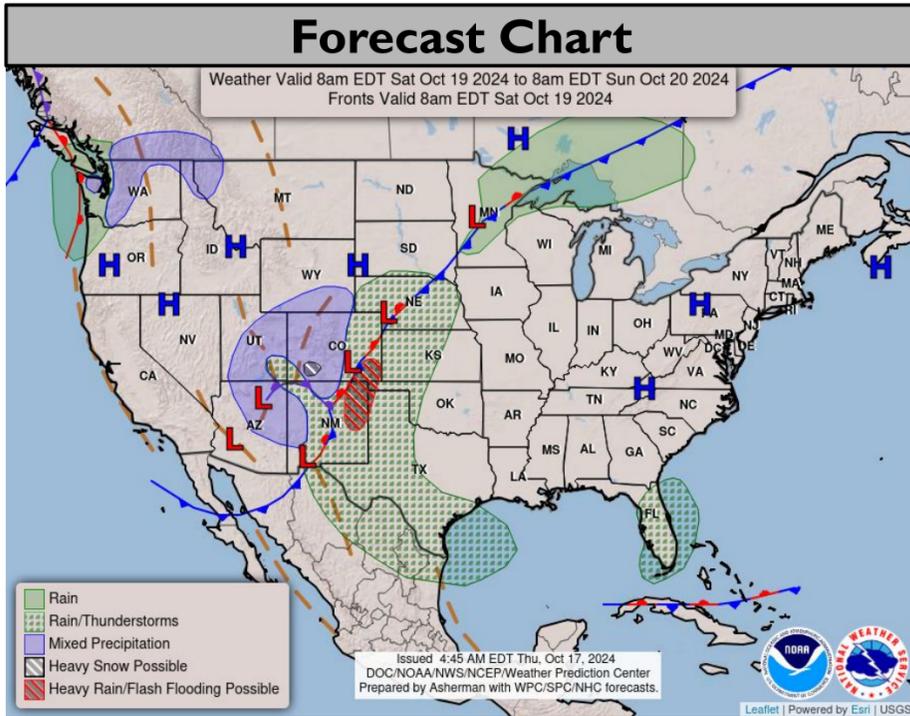


Tomorrow's Tornado & Severe Wind / Hail Probabilities



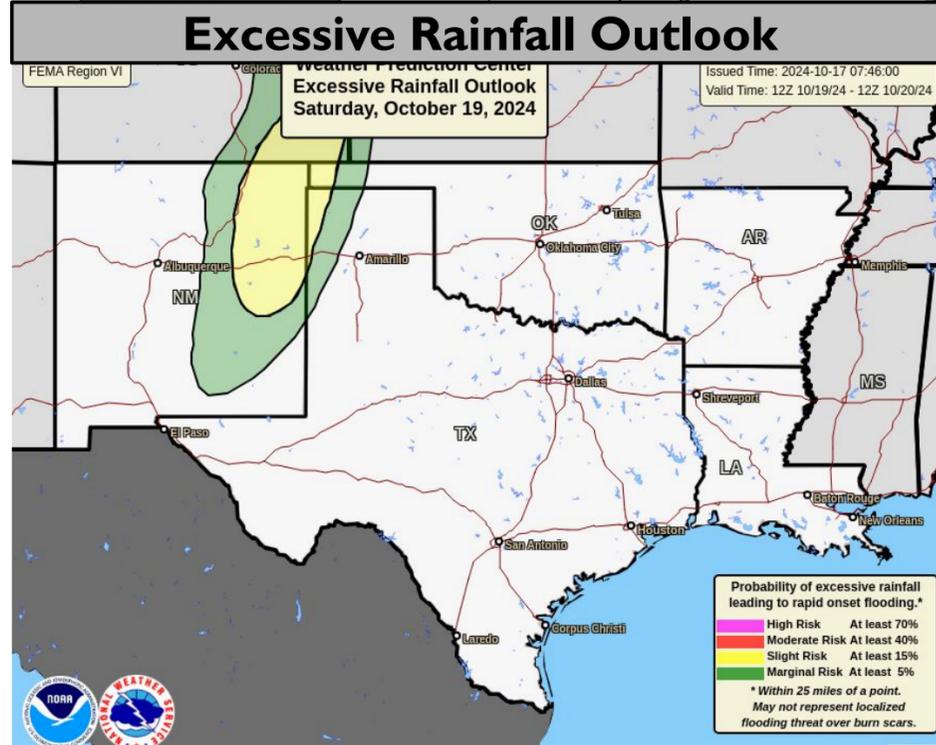
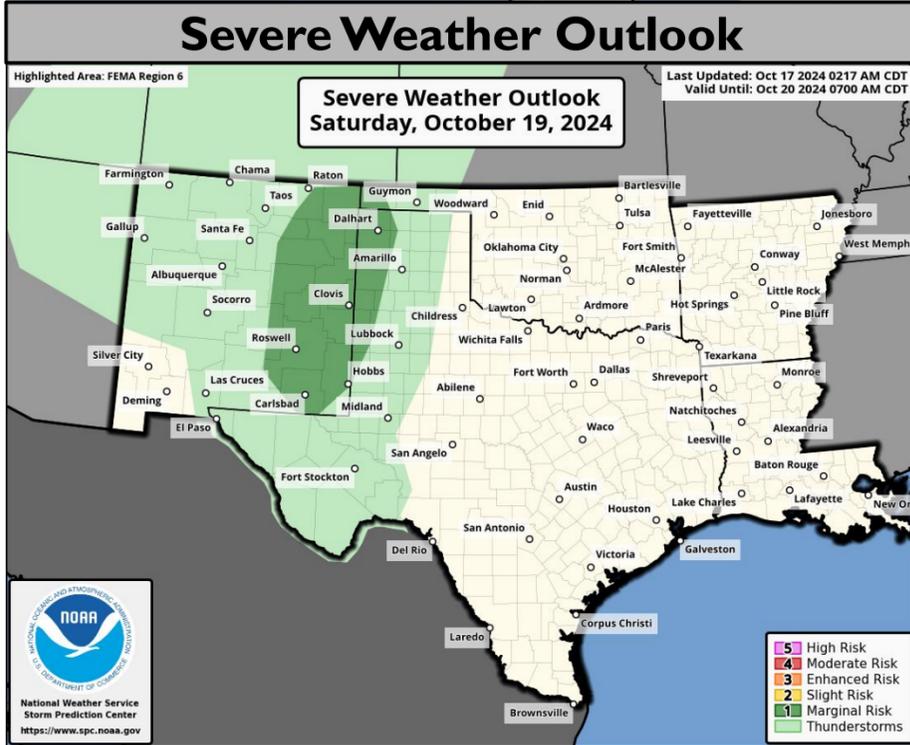


Saturday's Weather



Slight risk of heavy rainfall leading to flash flooding over NE NM, particularly burn scars, and into W OK/TX Panhandles.

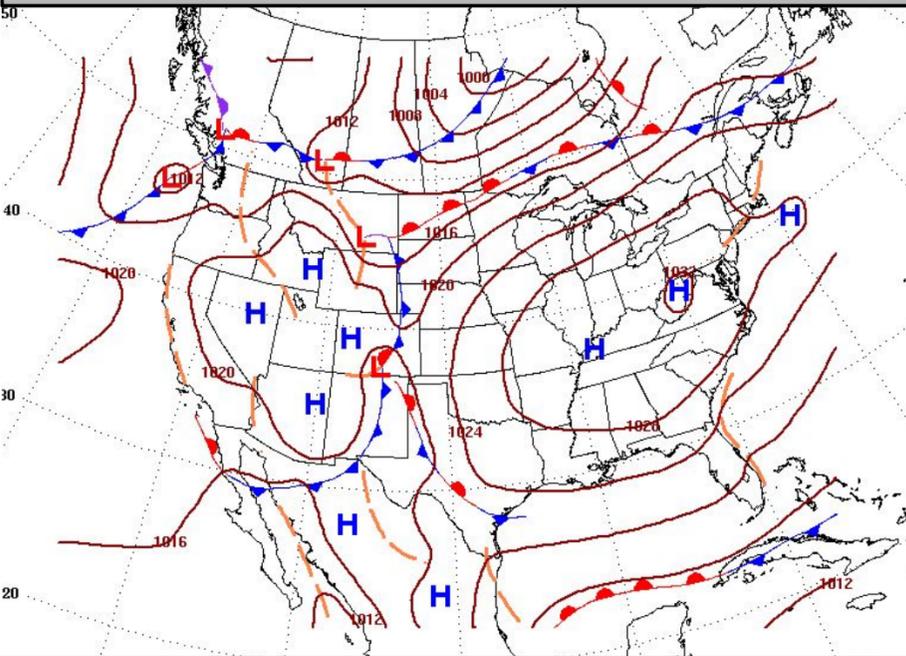
Marginal risk for severe storms in E NM, W OK/TX Panhandles.



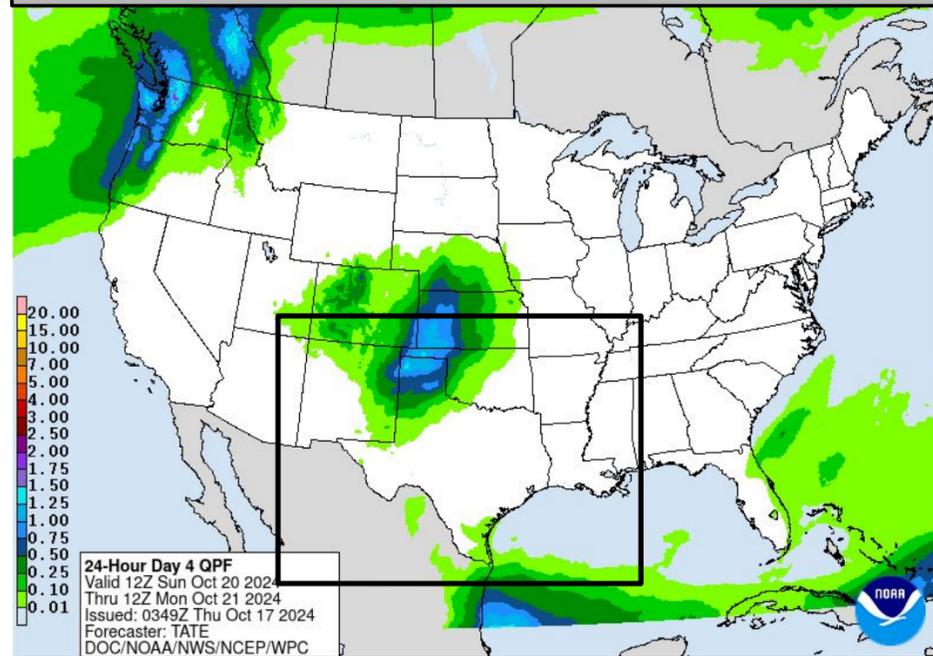


Sunday's Weather

Forecast Chart

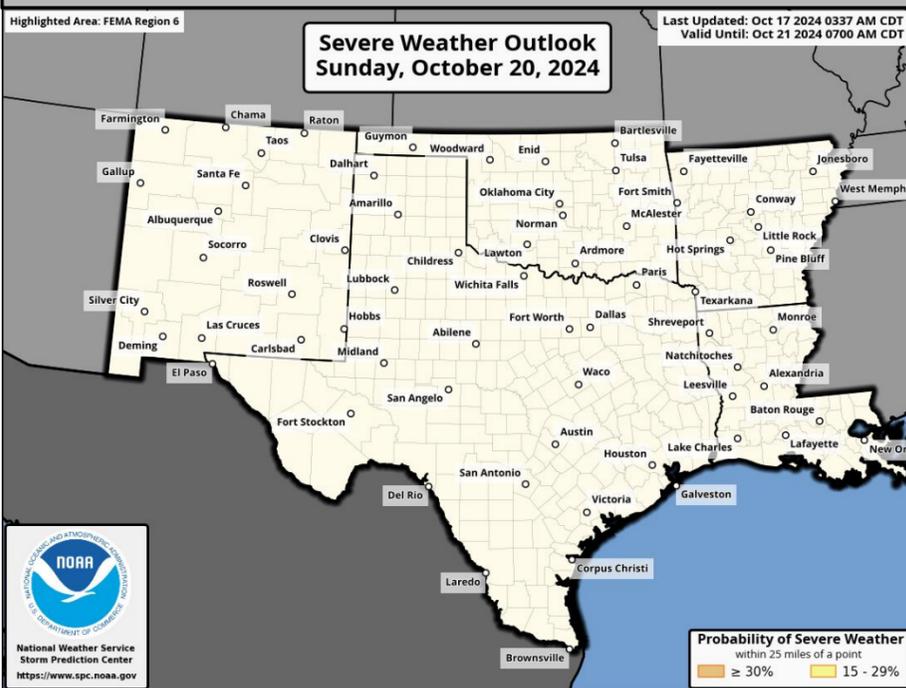


Forecast Rainfall



Risk of heavy rainfall leading to flash flooding over N NM, particularly burn scars, and into OK/TX Panhandles.

Severe Weather Outlook



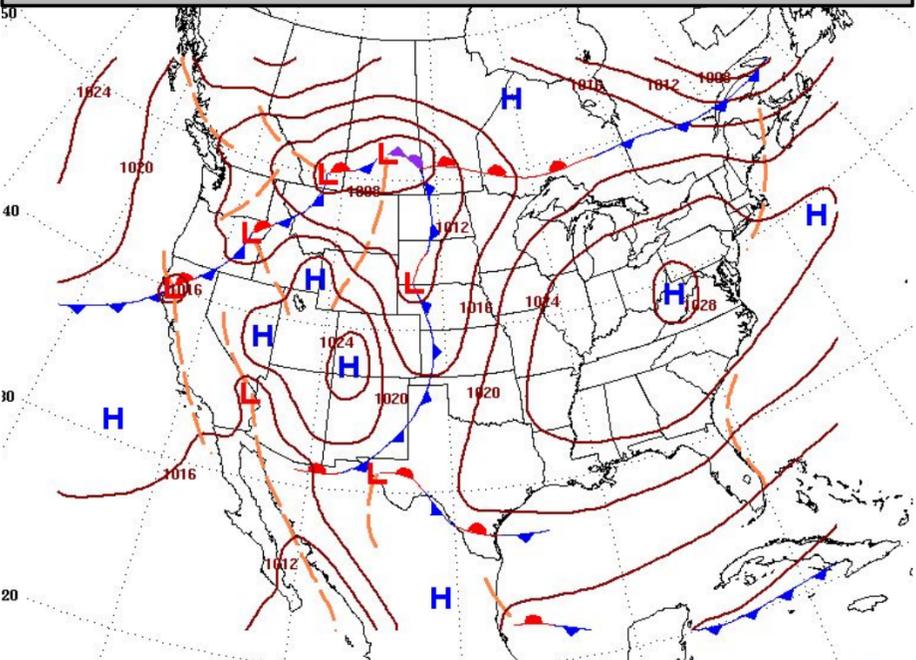
Excessive Rainfall Outlook



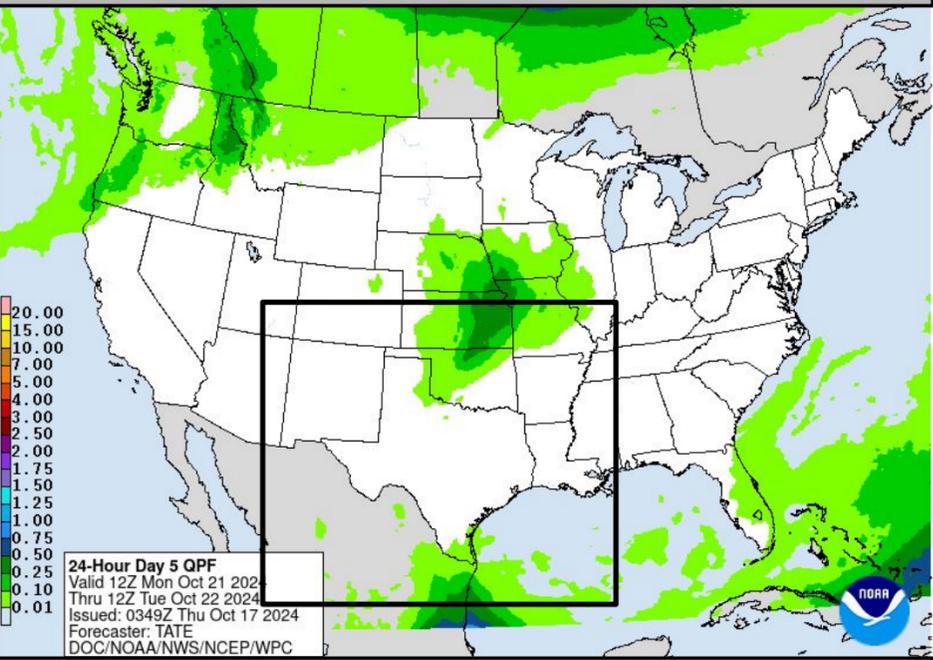


Monday's Weather

Forecast Chart

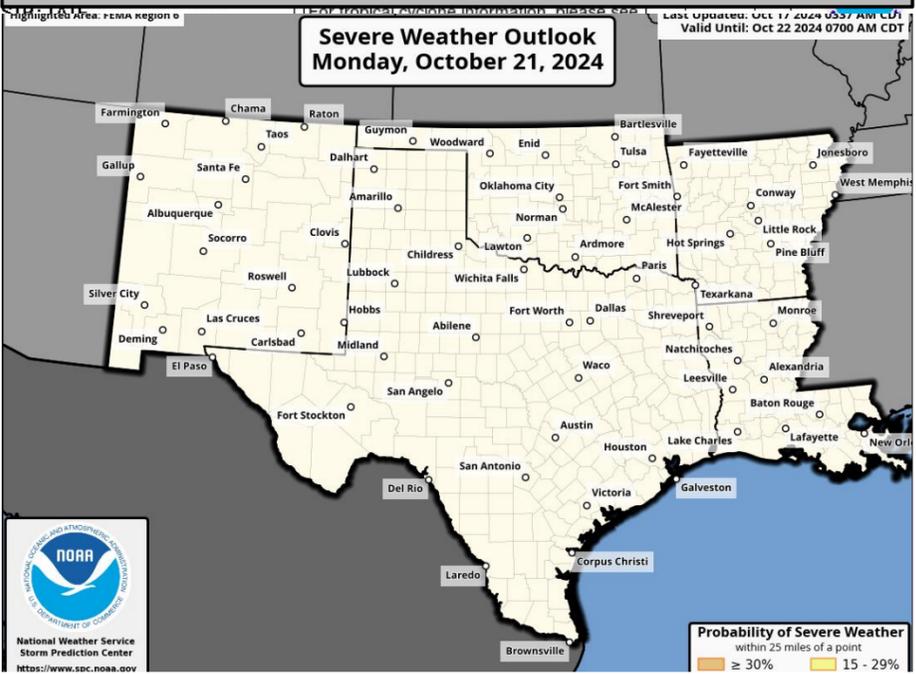


Forecast Rainfall

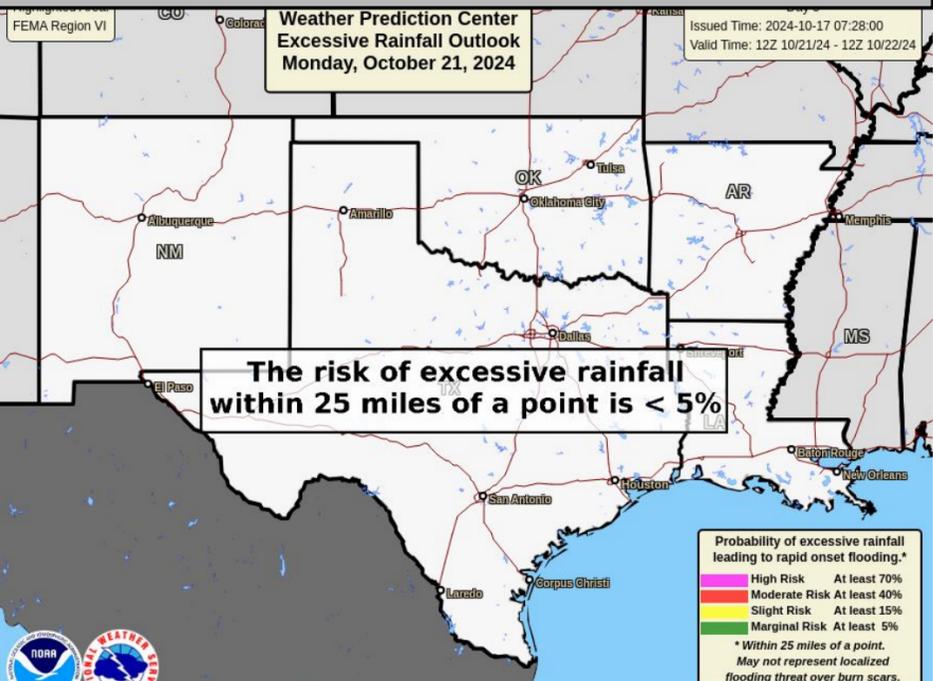


No significant weather expected.

Severe Weather Outlook

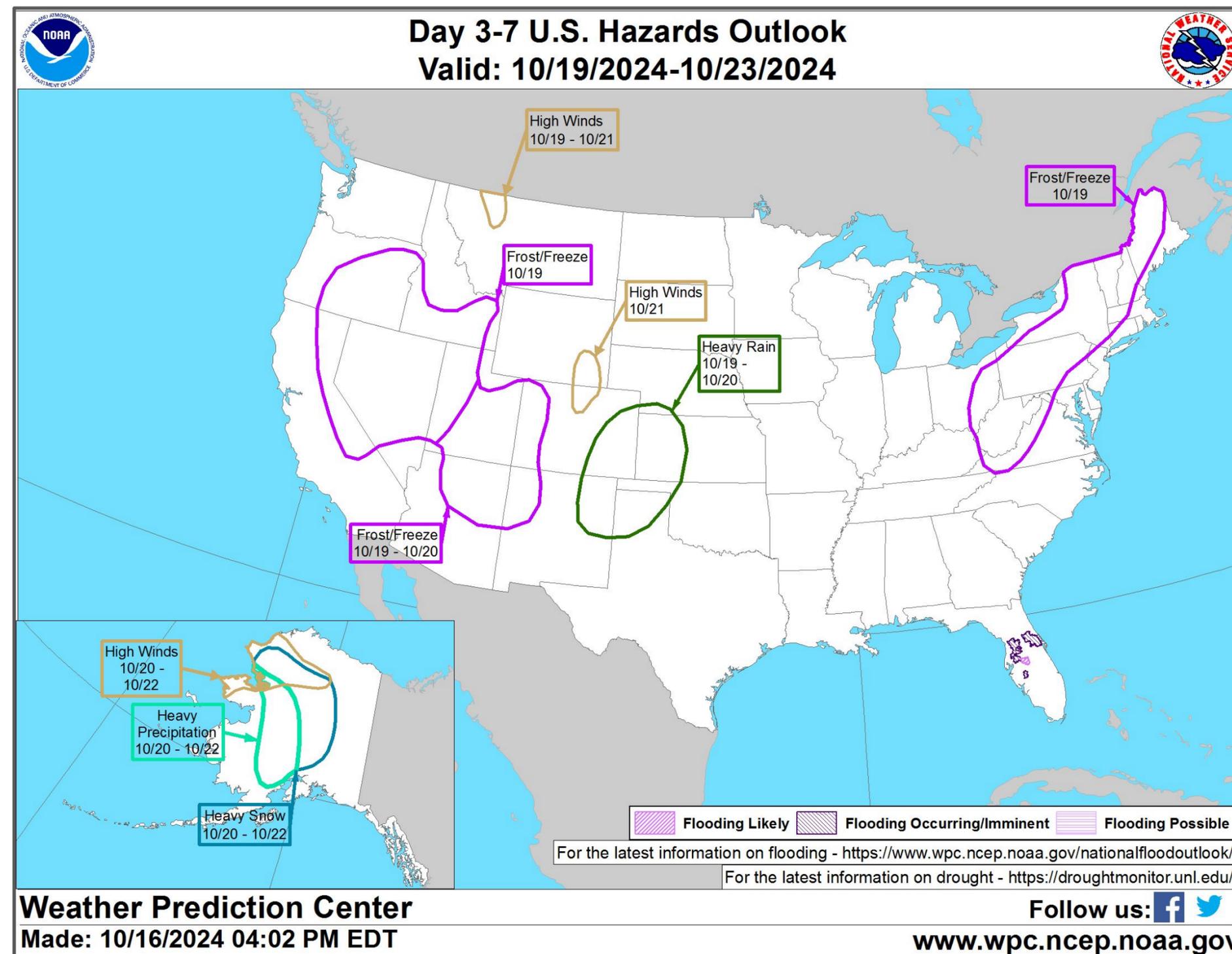


Excessive Rainfall Outlook





“Day 3-7” Hazards Outlook



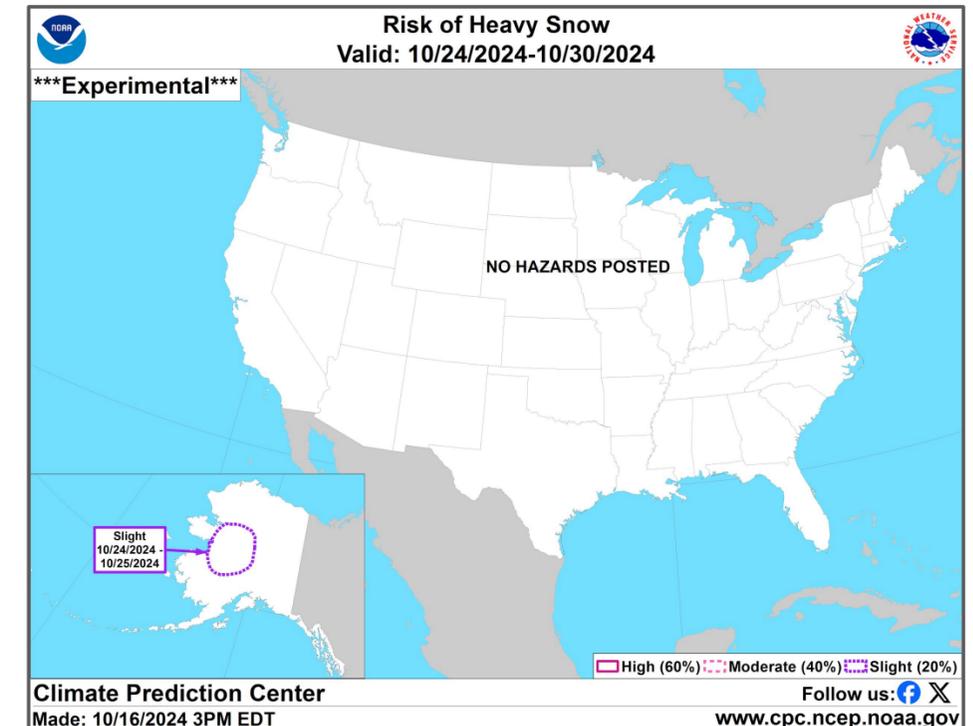
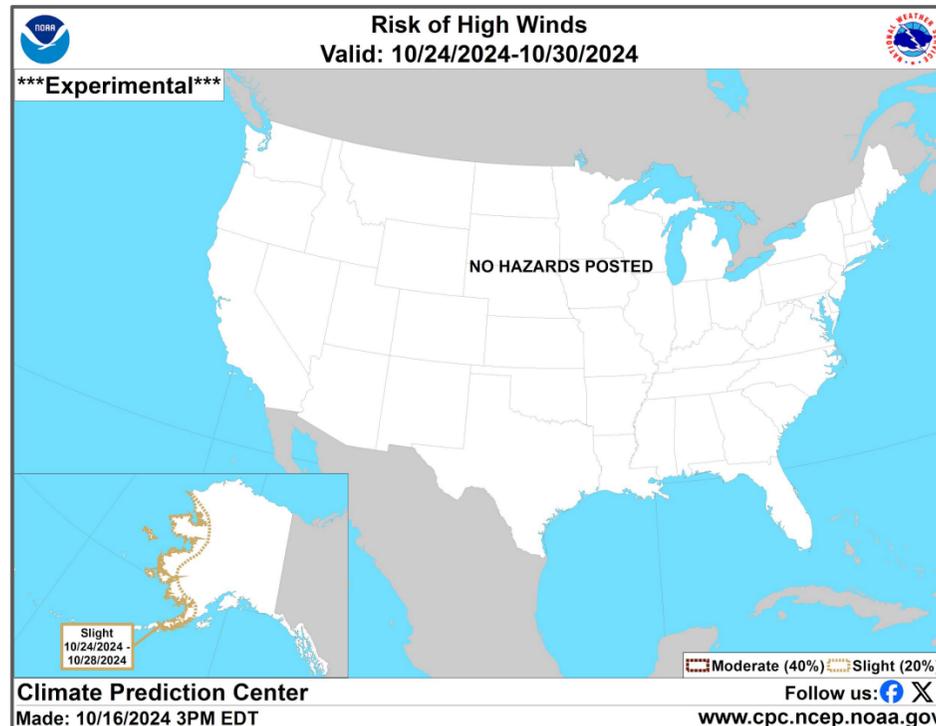
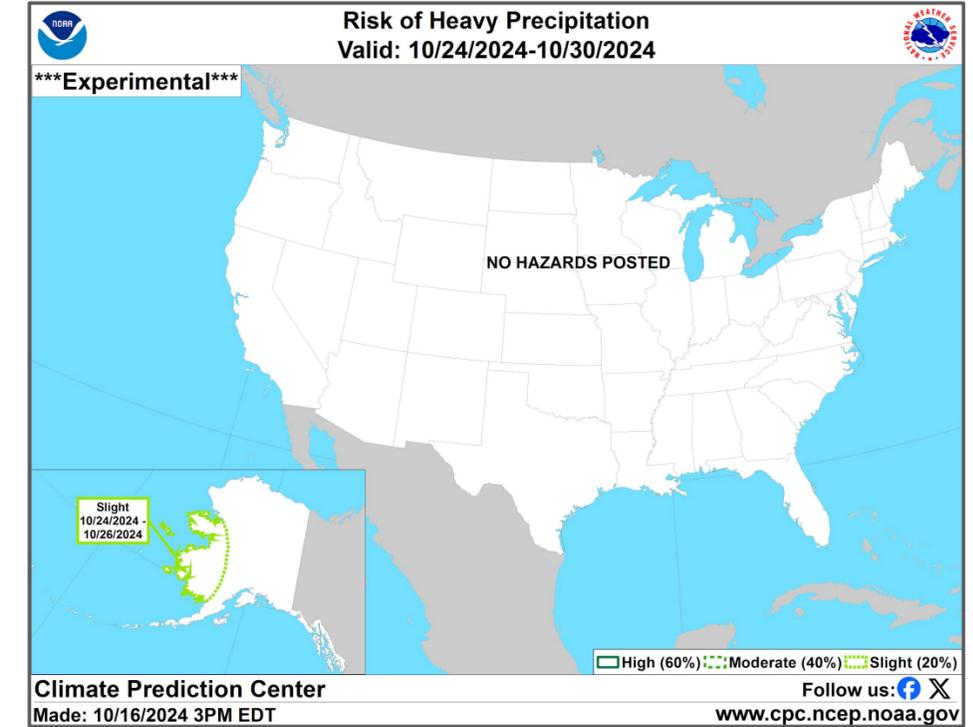
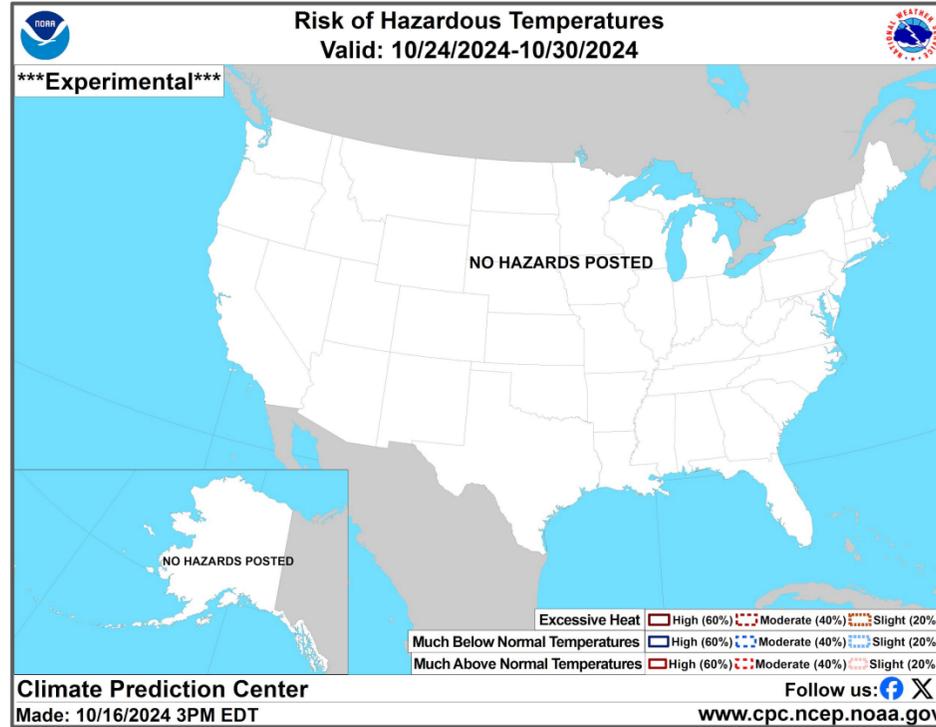
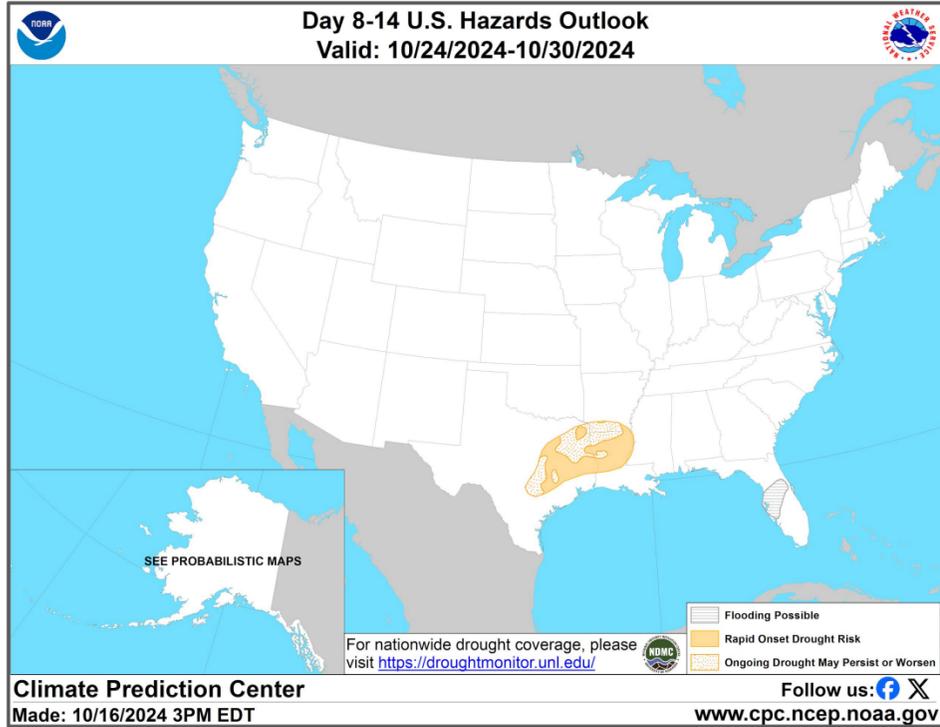
NOTE: These outlooks are issued in the afternoon and only issued on weekdays. Because of that and the fact that these slides are issued in the mornings:

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:

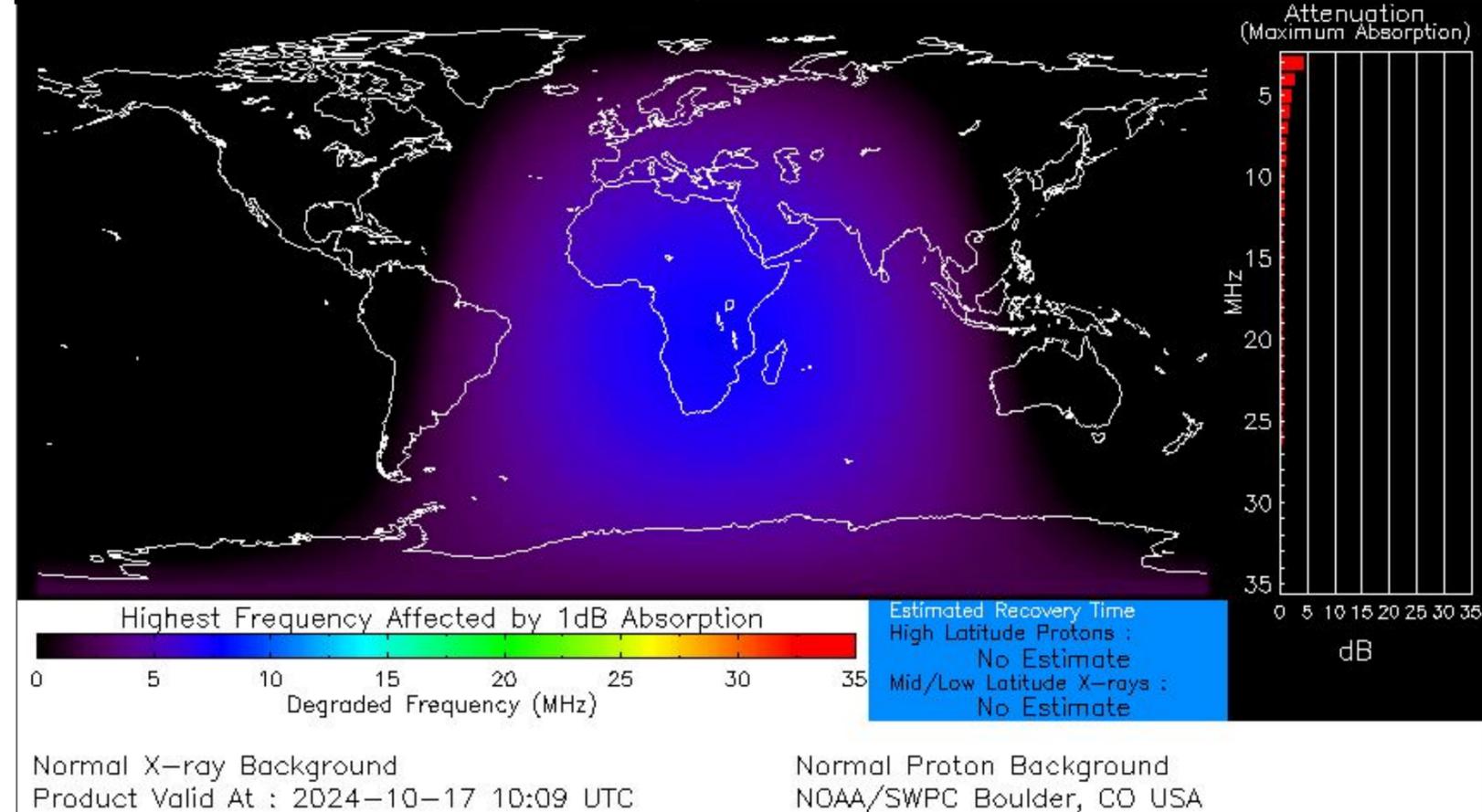
1. The “day 8-14” will really be days 7-13
2. This slide will be hidden on Mondays and Sundays so the data/information is not too old

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



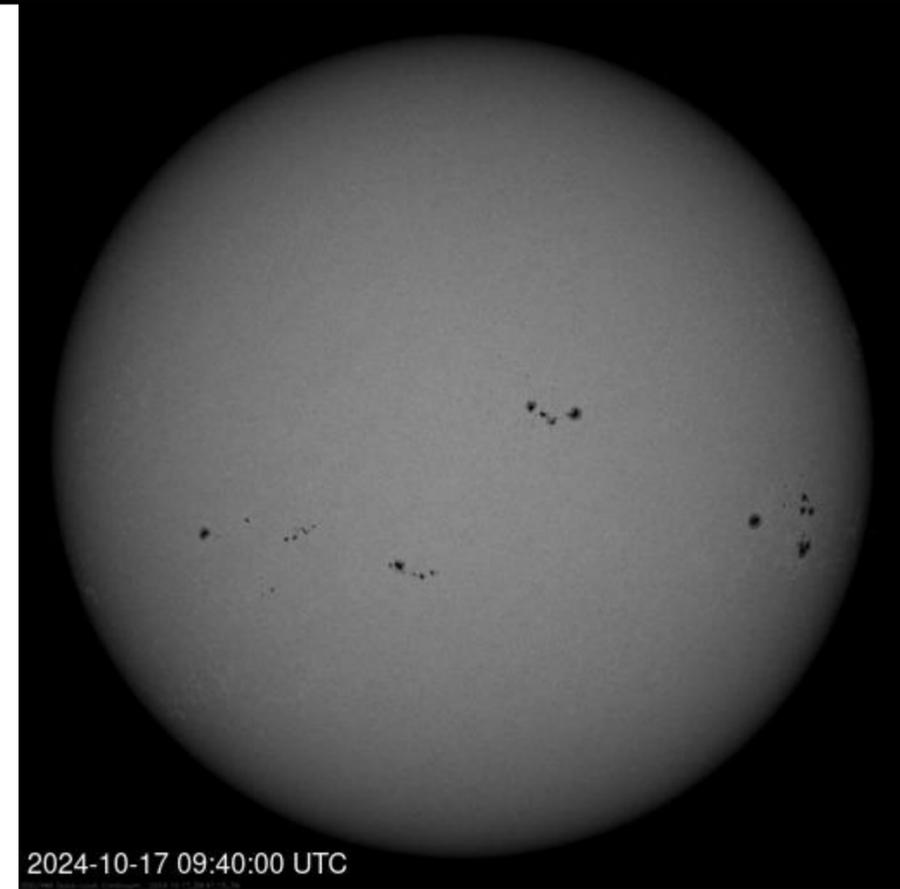
Space Weather 3-Day Forecast

	Thursday, Oct 17	Friday, Oct 18	Saturday, Oct 19
Geomagnetic Storms	Unsettled (Max Kp = 3)	Active (Max Kp = 4)	Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	15%	15%	15%
Radio Blackout (R1-R2)	80%	75%	65%
Radio Blackout (R3-R5)	20%	15%	5%



[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



National Weather Service

Southern Region Headquarters

Regional Operations Center

Fort Worth, TX



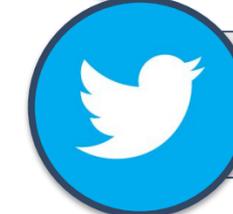
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