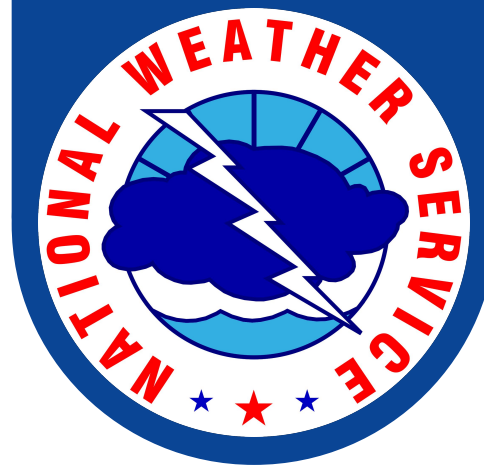




# FEMA



Prepared by  
*Melissa Beat*

# FEMA Region 6 Weather Threat Briefing

## Wednesday, October 16, 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](http://www.weather.gov/srh).





# Summary

- **Elevated to critical fire weather conditions over portions of OK, TX, AR, LA today into Thursday.**
- **Frost/Freeze conditions expected this morning in OK, TX Panhandle, AR, and Thursday morning over 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.**
- **Tropical Weather Outlook:**
  - **A disturbance in the eastern tropical Atlantic has a medium chance (50%) 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

	Wednesday, Oct 16	Thursday, Oct 17	Friday, Oct 18	Saturday, Oct 19	Sunday, Oct 20
Severe Storms			E NM, WTX/OK Panhandles		
Heavy Rain / Flash Flooding			N NM	NE NM, WTX/OK Panhandles	NE NM, TX/OK Panhandles
Fire Weather	OK, TX, AR, LA	OK, TX			
Cold	OK, TX Panhandle, AR	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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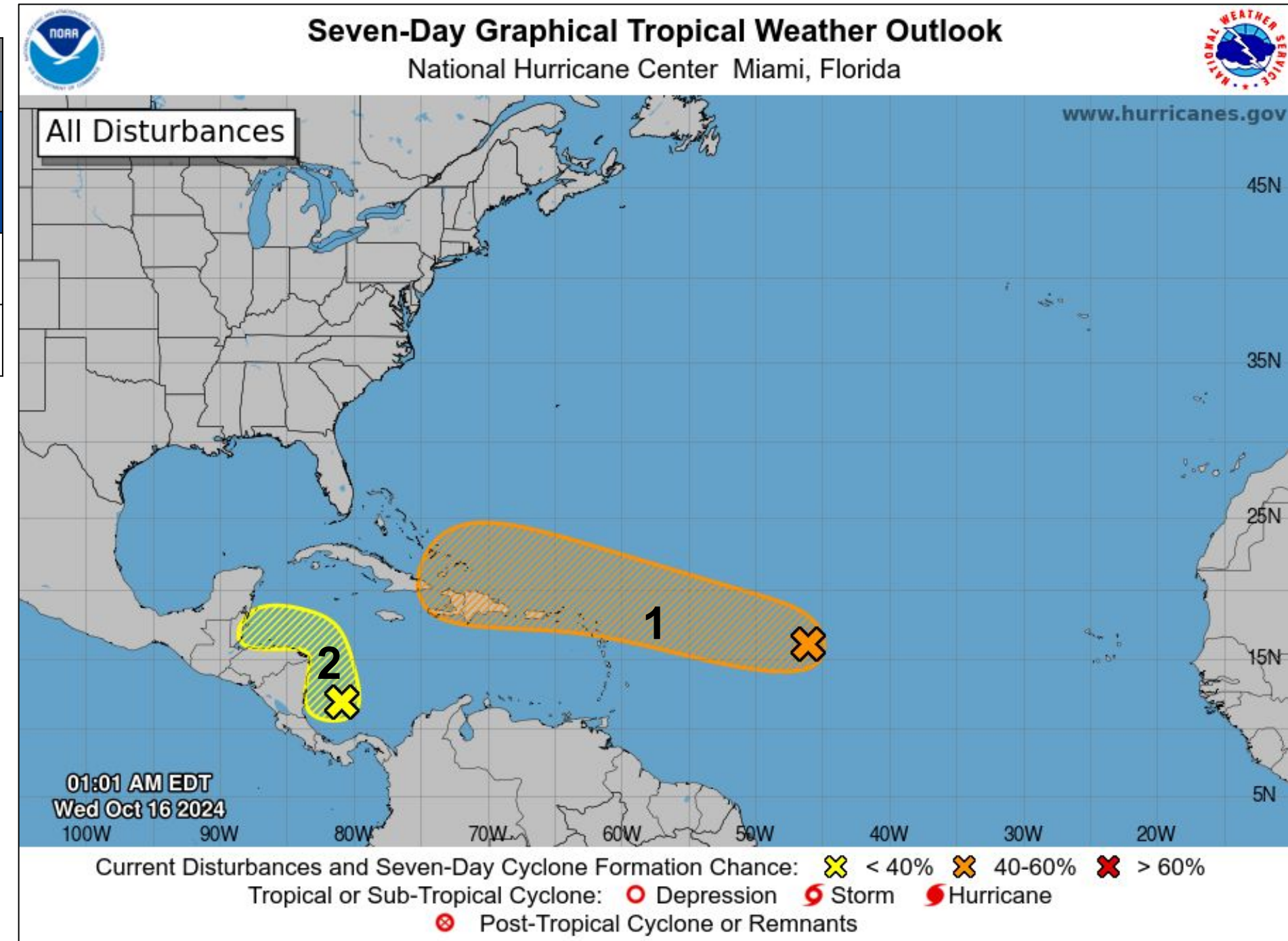
# Tropical Weather Outlook – Atlantic/Gulf

## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Medium	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

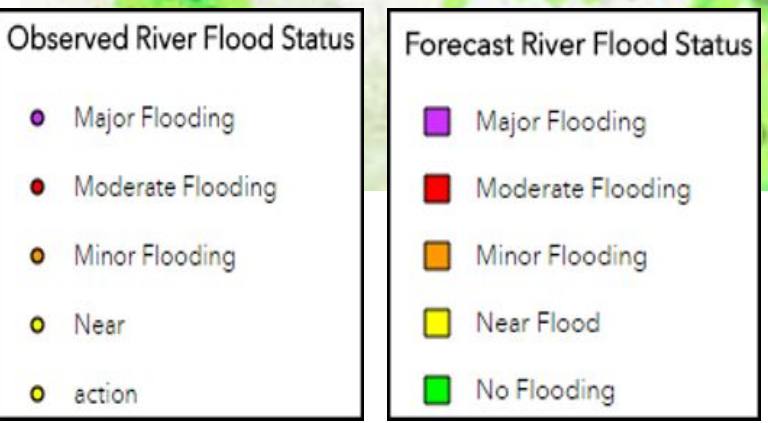
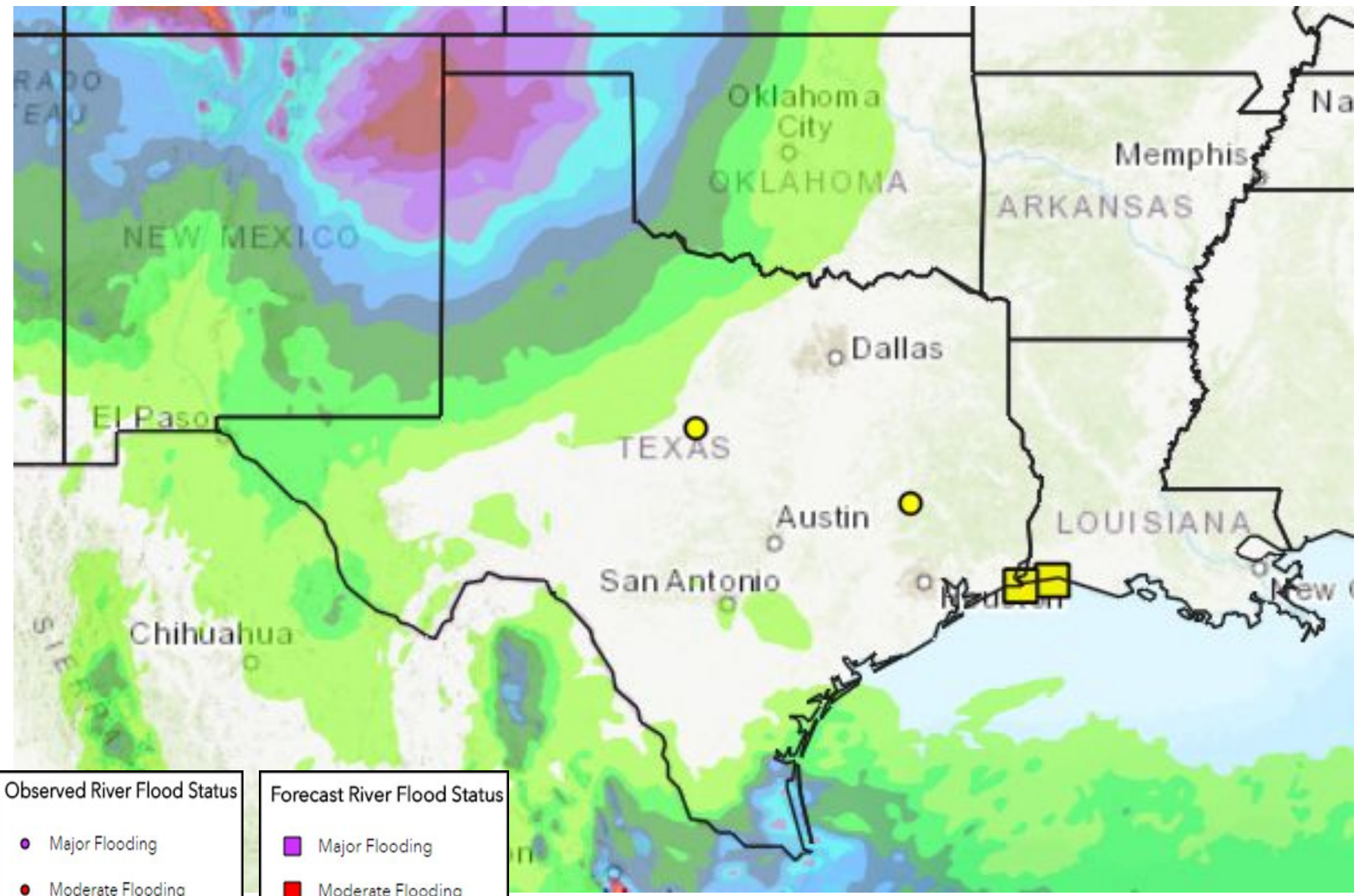
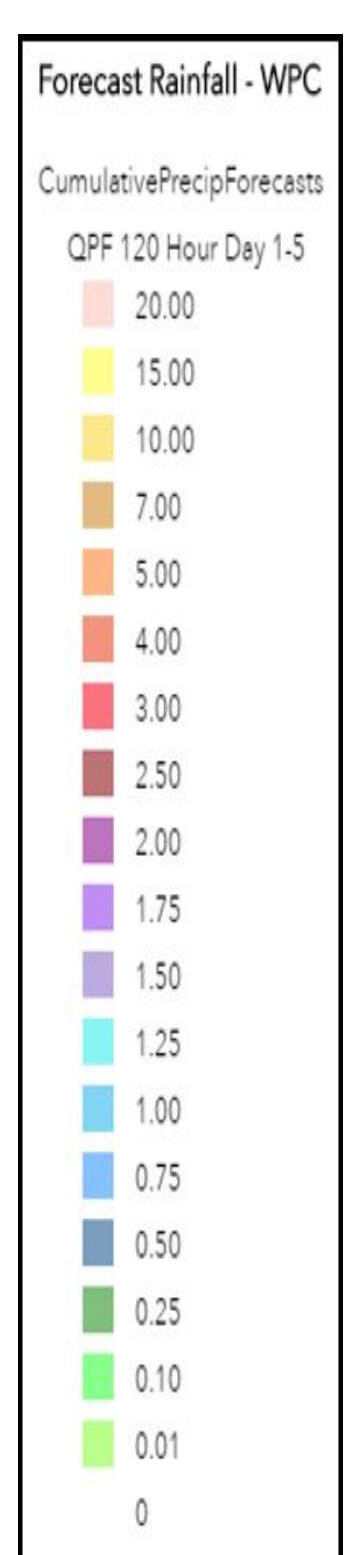






# 5-Day Precipitation Forecast & River Flood Status

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



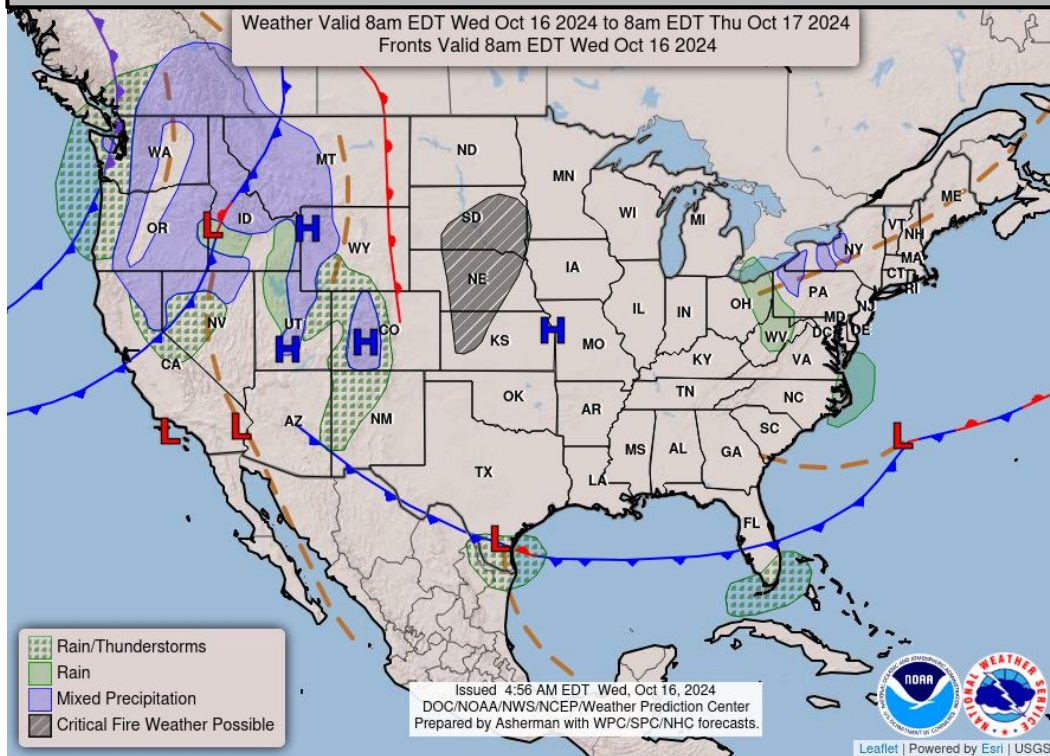
**No river flooding expected.**



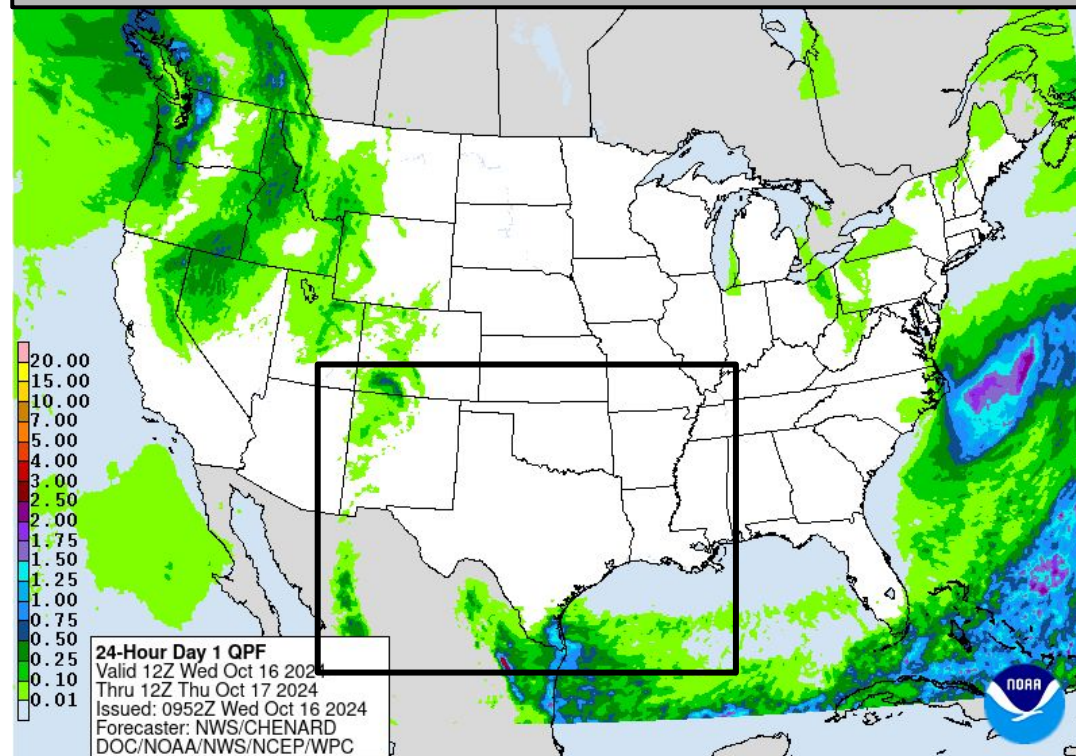


# Today's Weather

## Forecast Chart



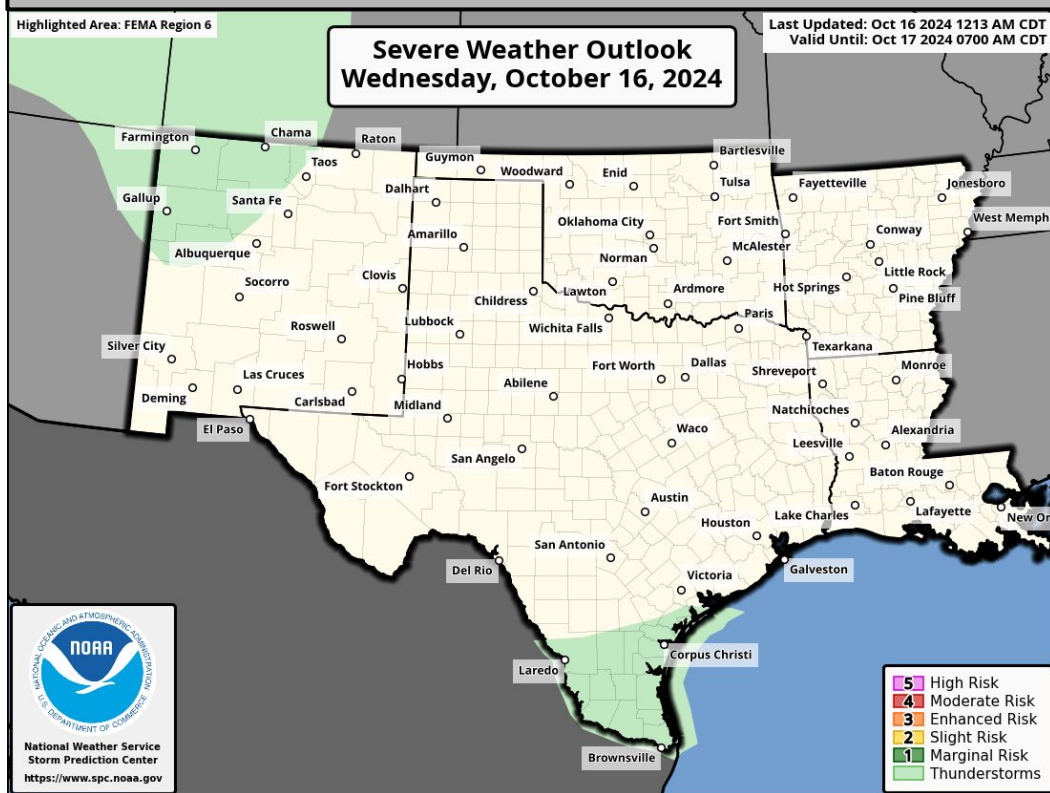
## Forecast Rainfall



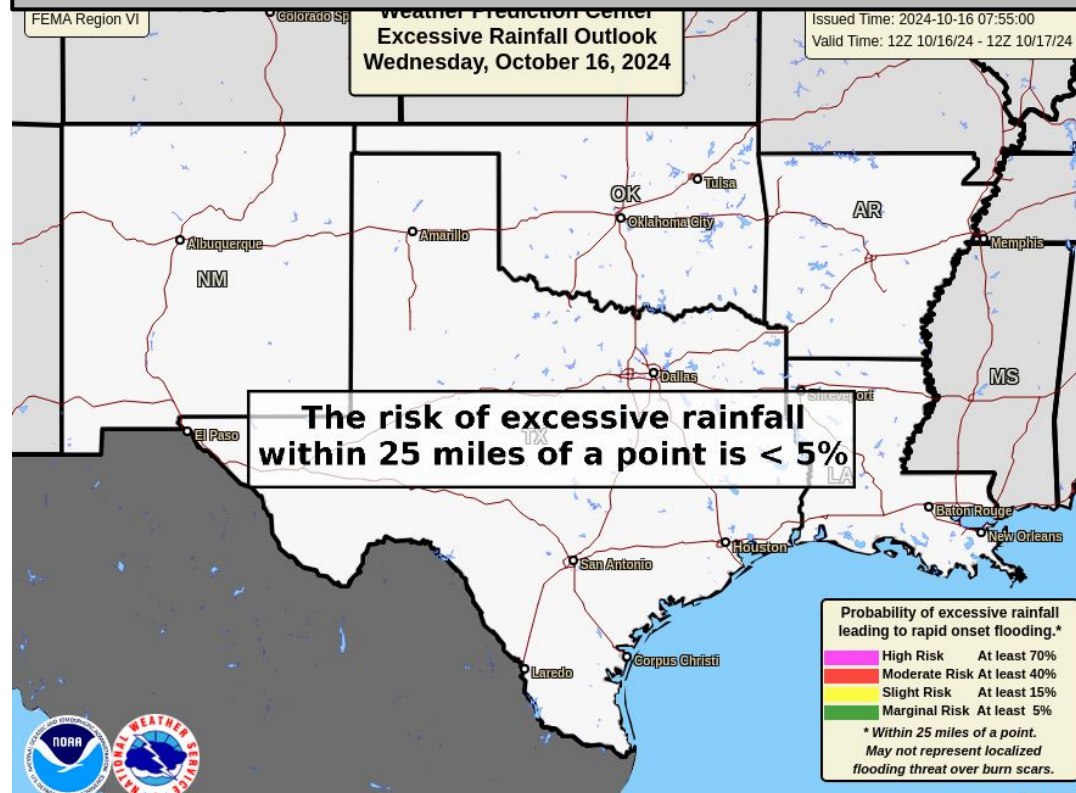
**Elevated to critical fire weather conditions in OK, TX, AR, LA.**

**Frost/Freeze conditions expected in OK, TX Panhandle, AR in the morning.**

## Severe Weather Outlook



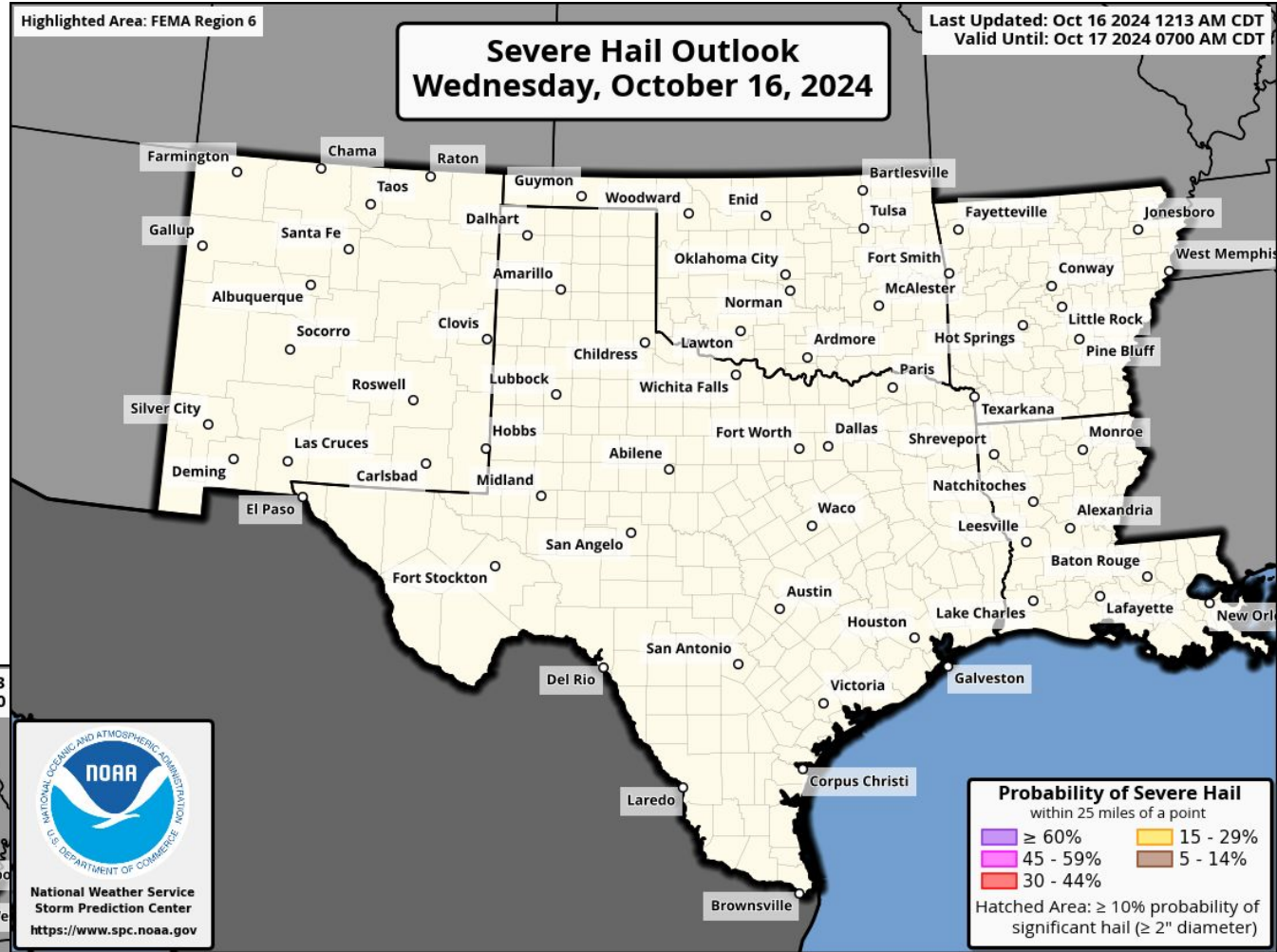
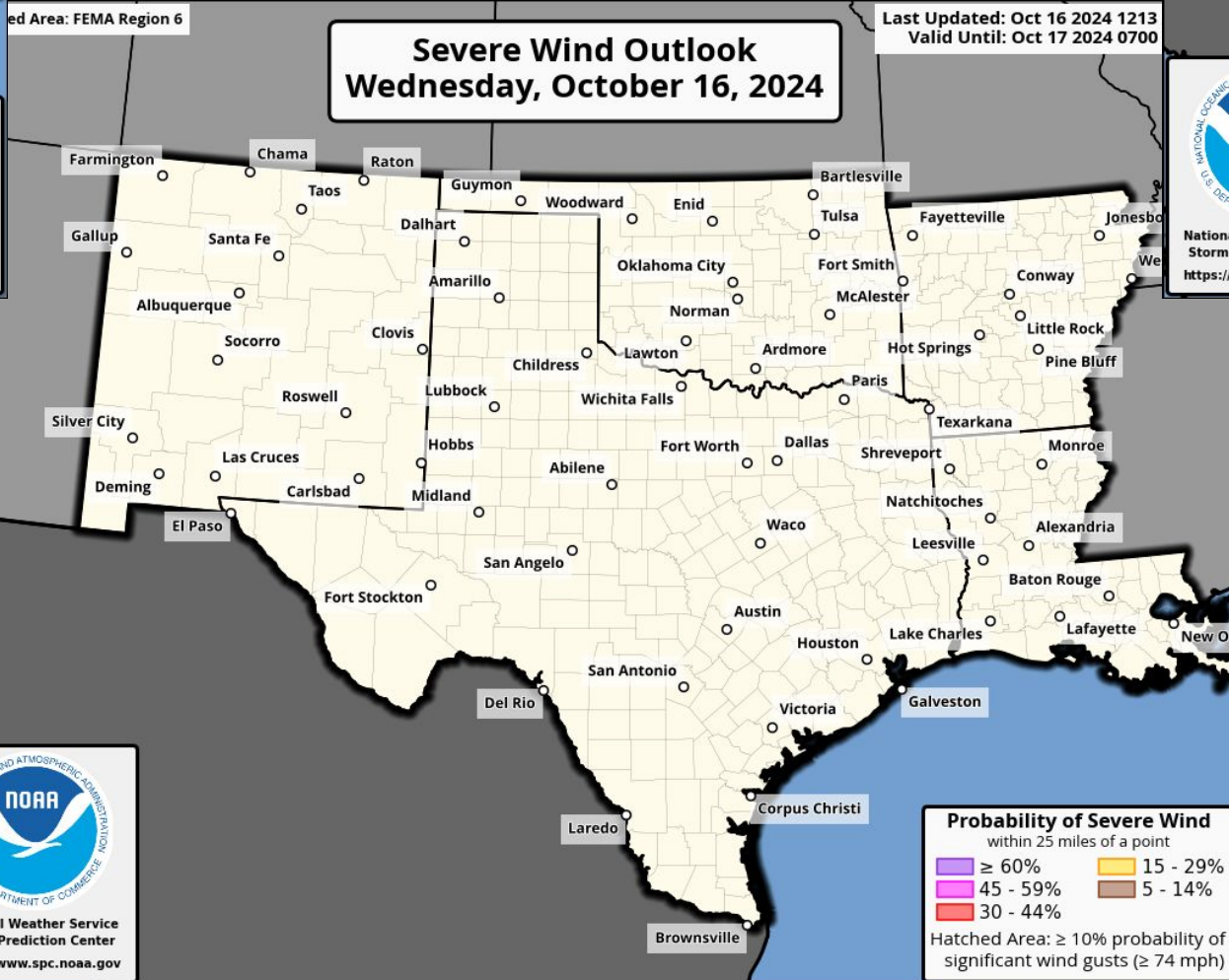
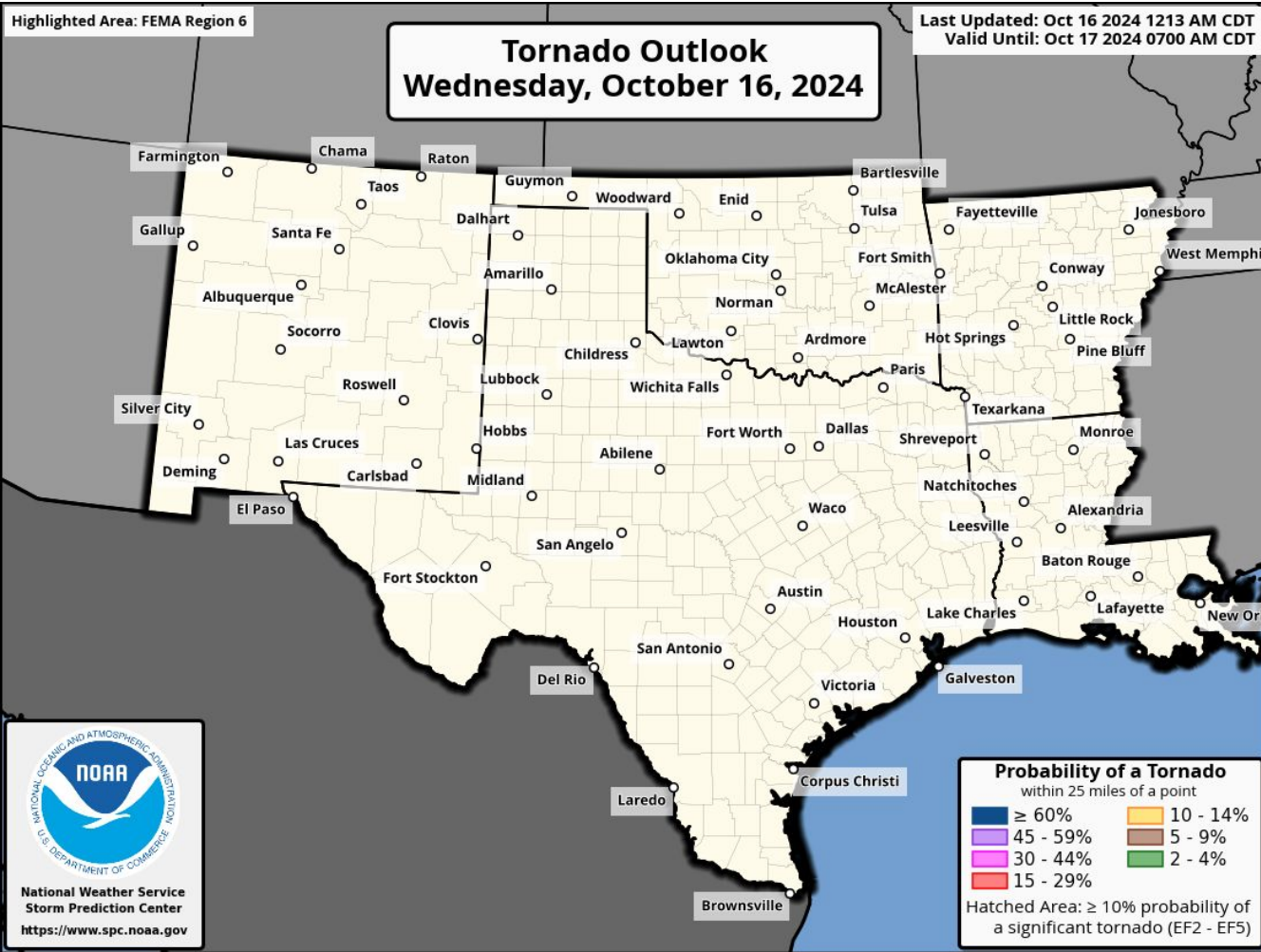
## Excessive Rainfall Outlook







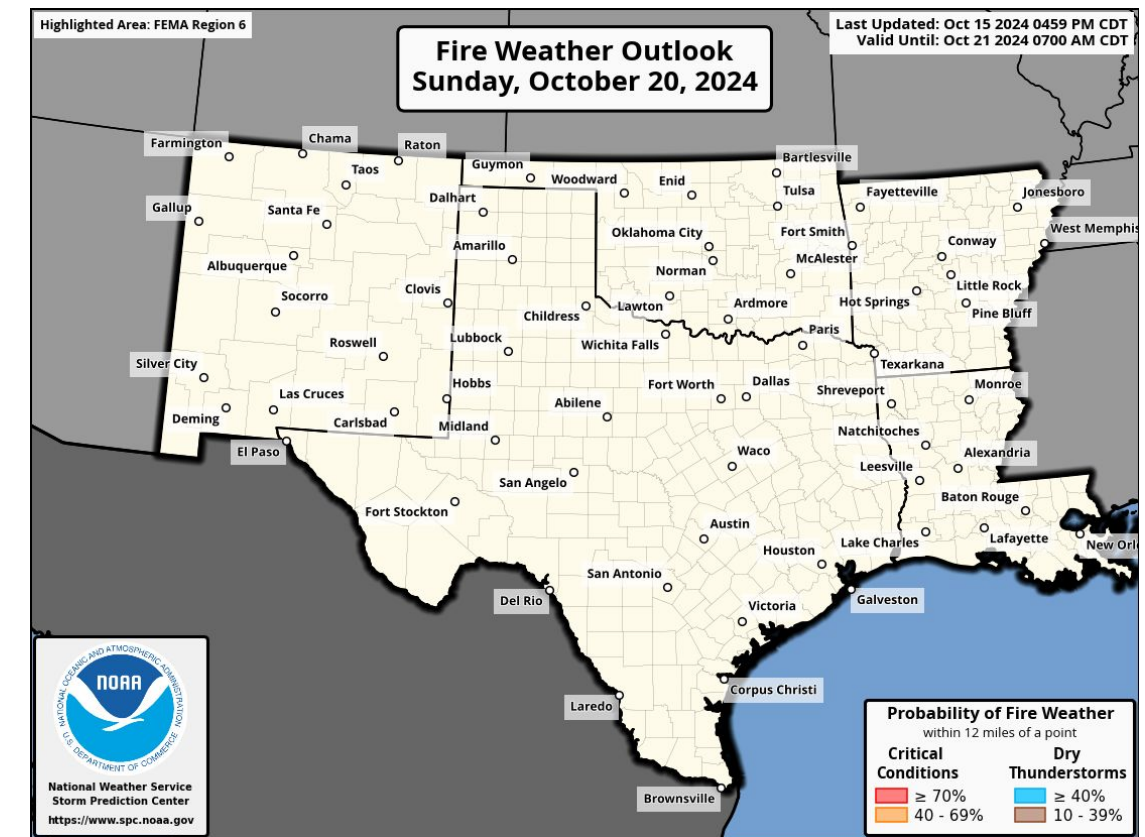
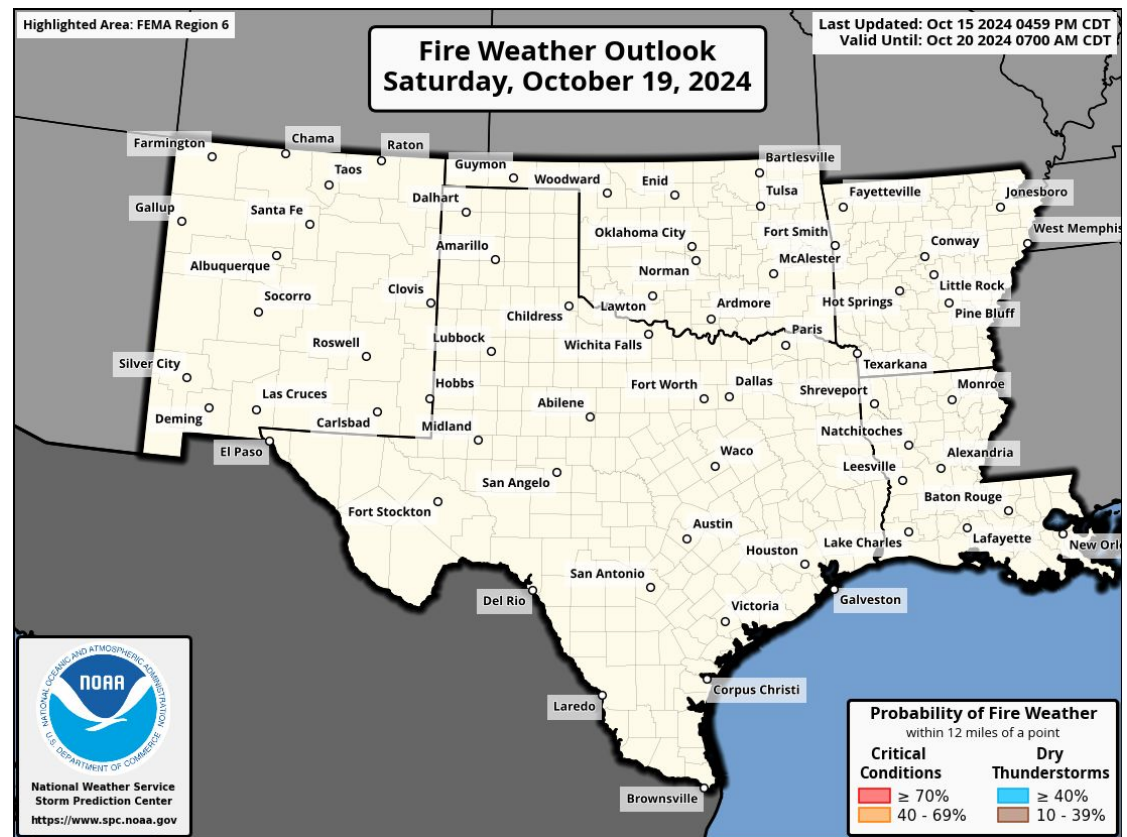
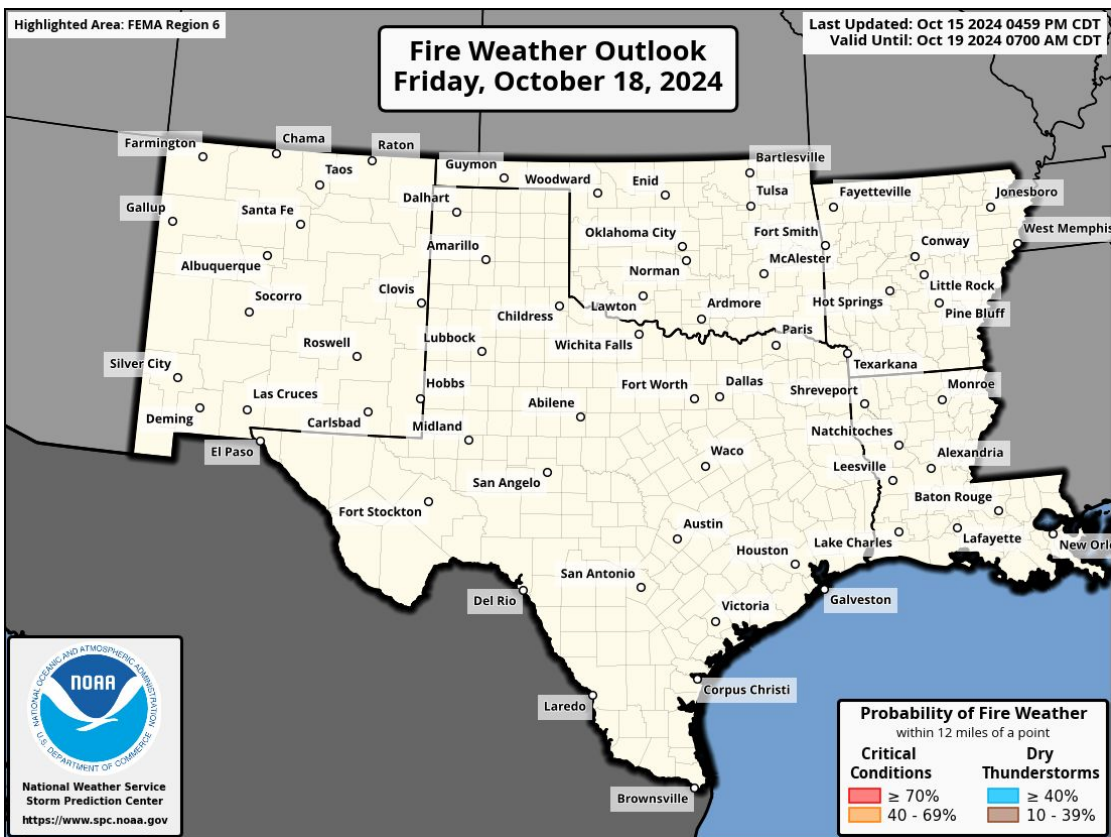
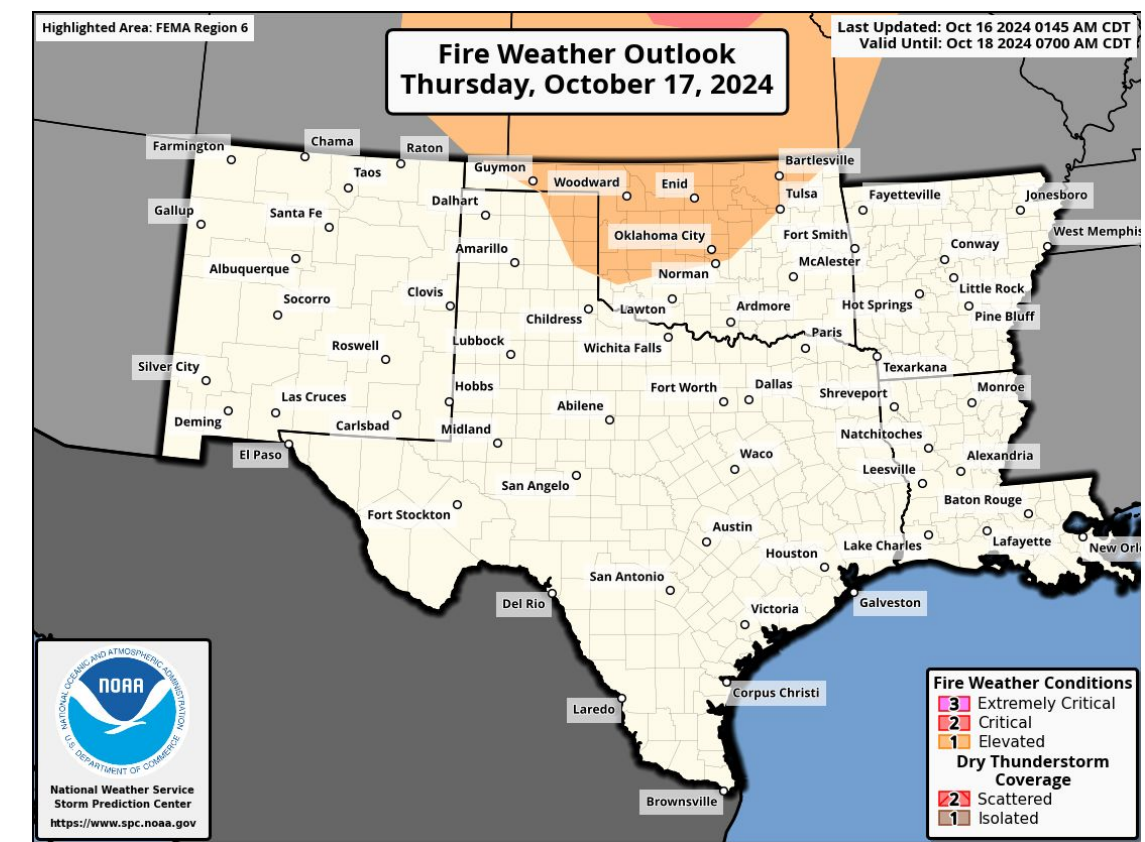
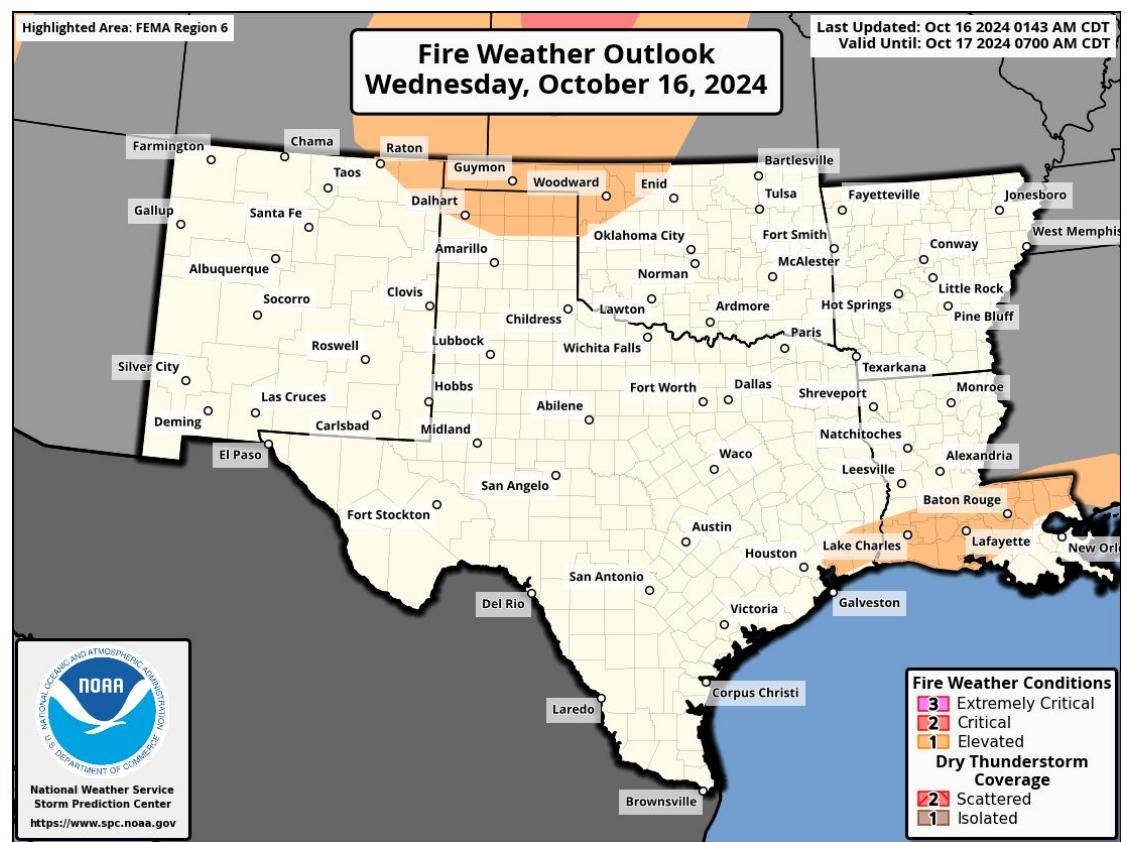
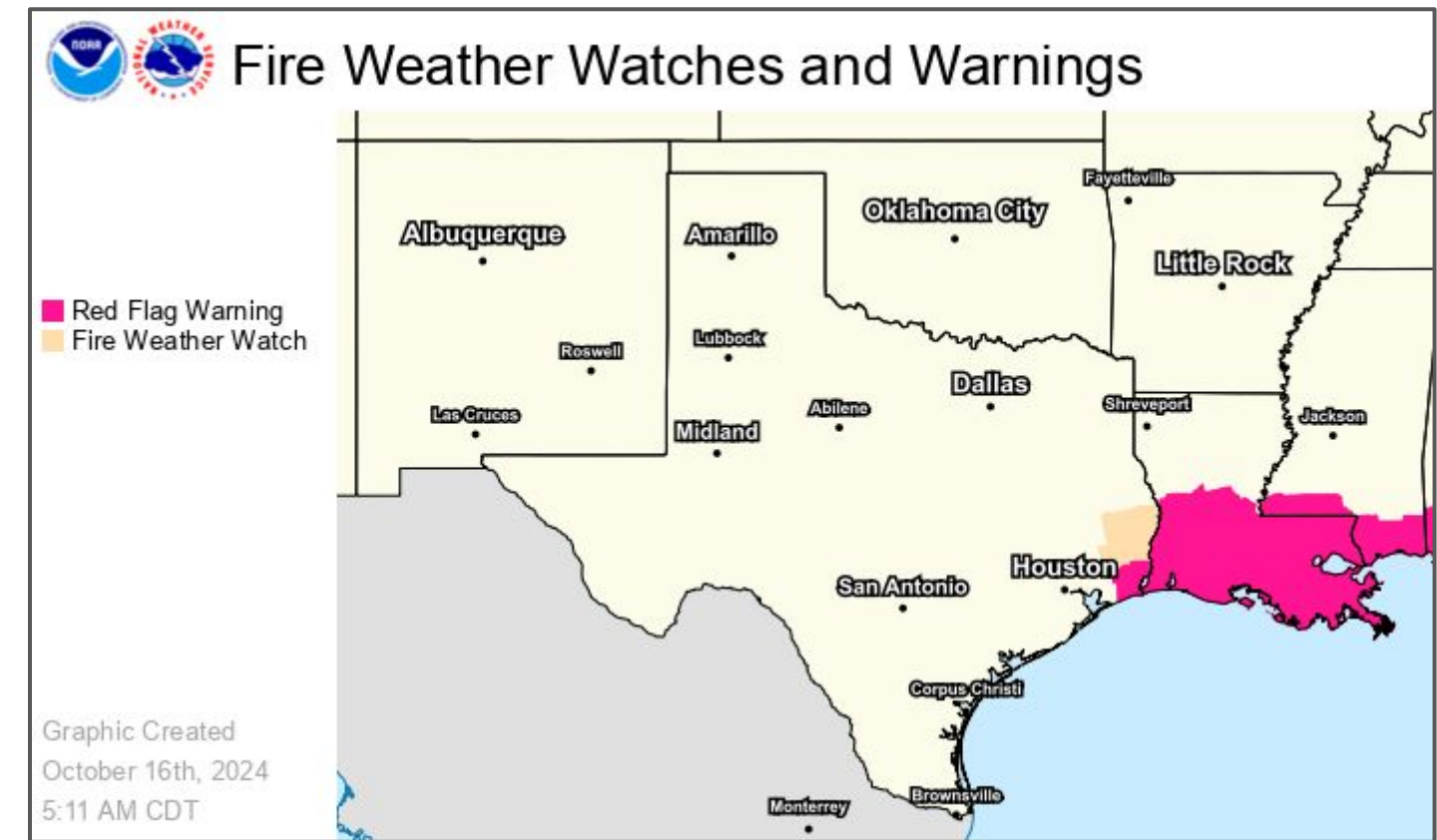
# Today's Tornado & Severe Wind / Hail Probabilities







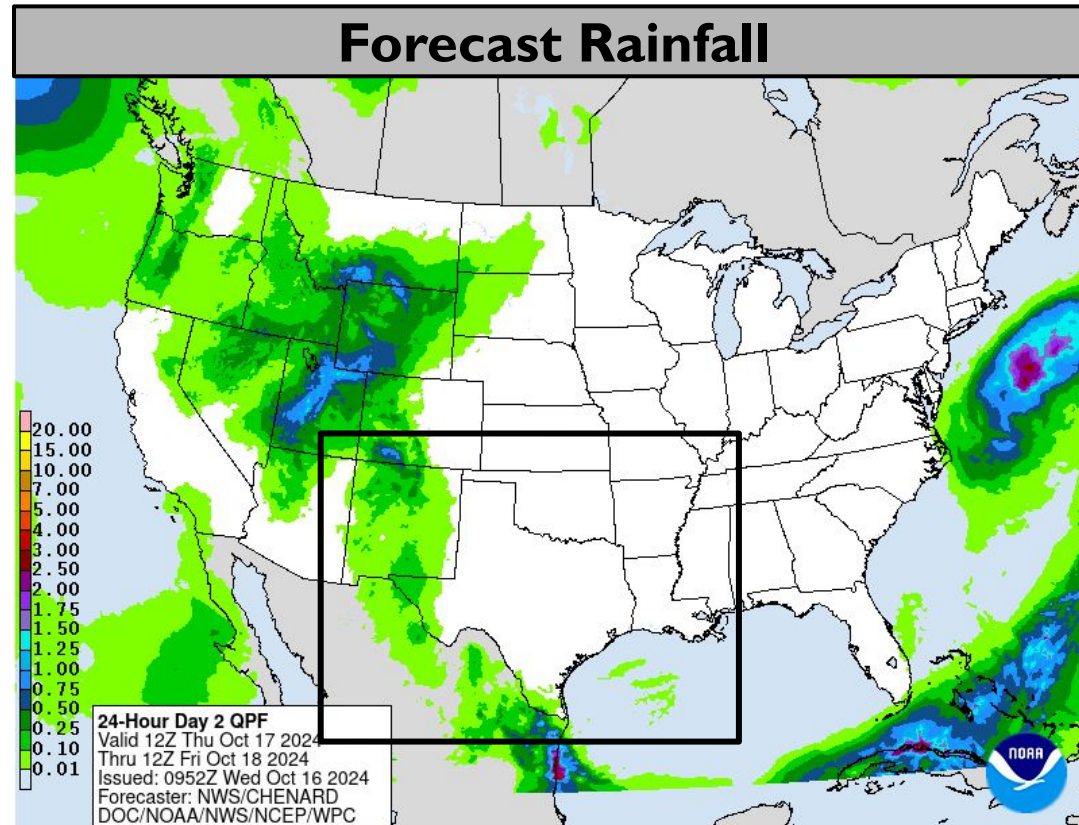
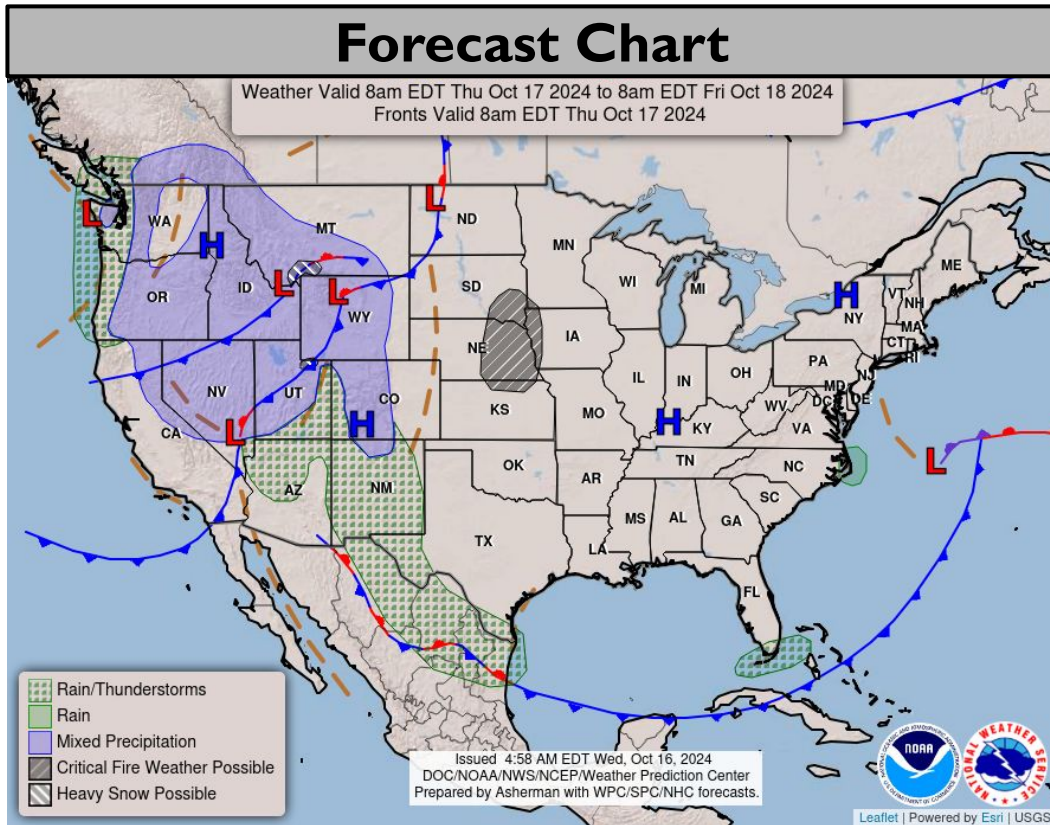
# Fire Weather Outlooks





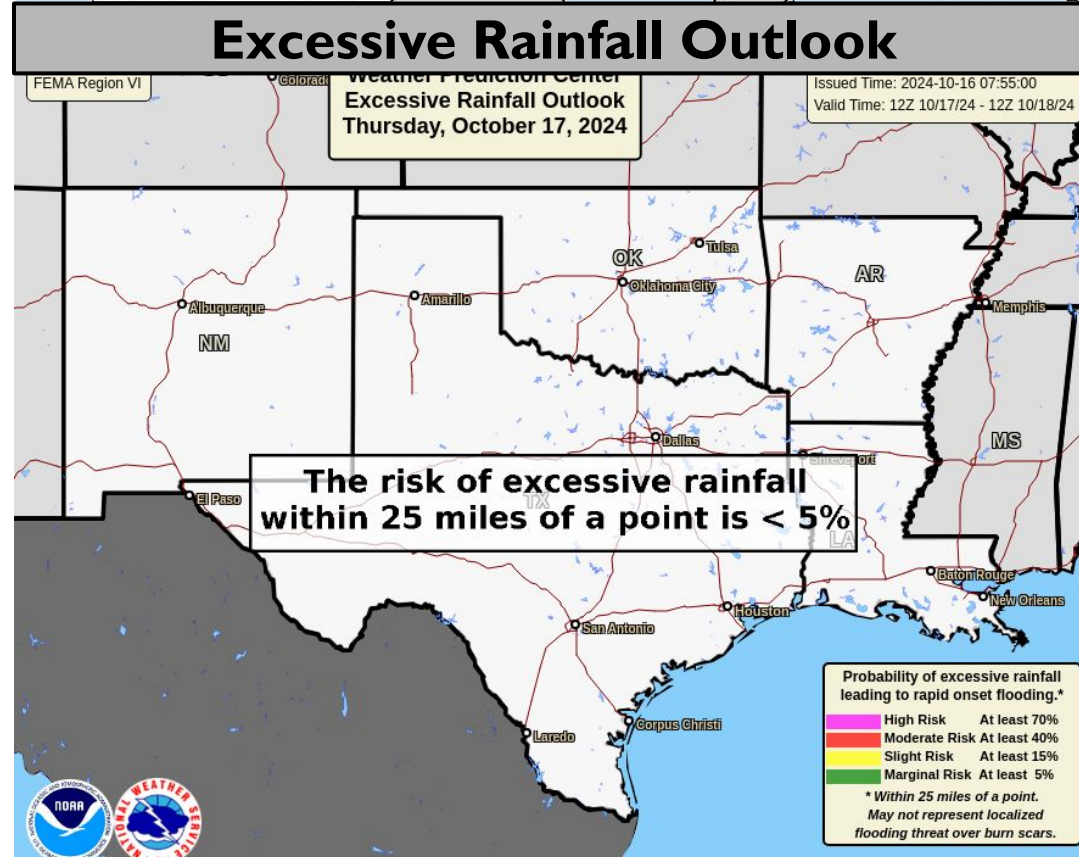
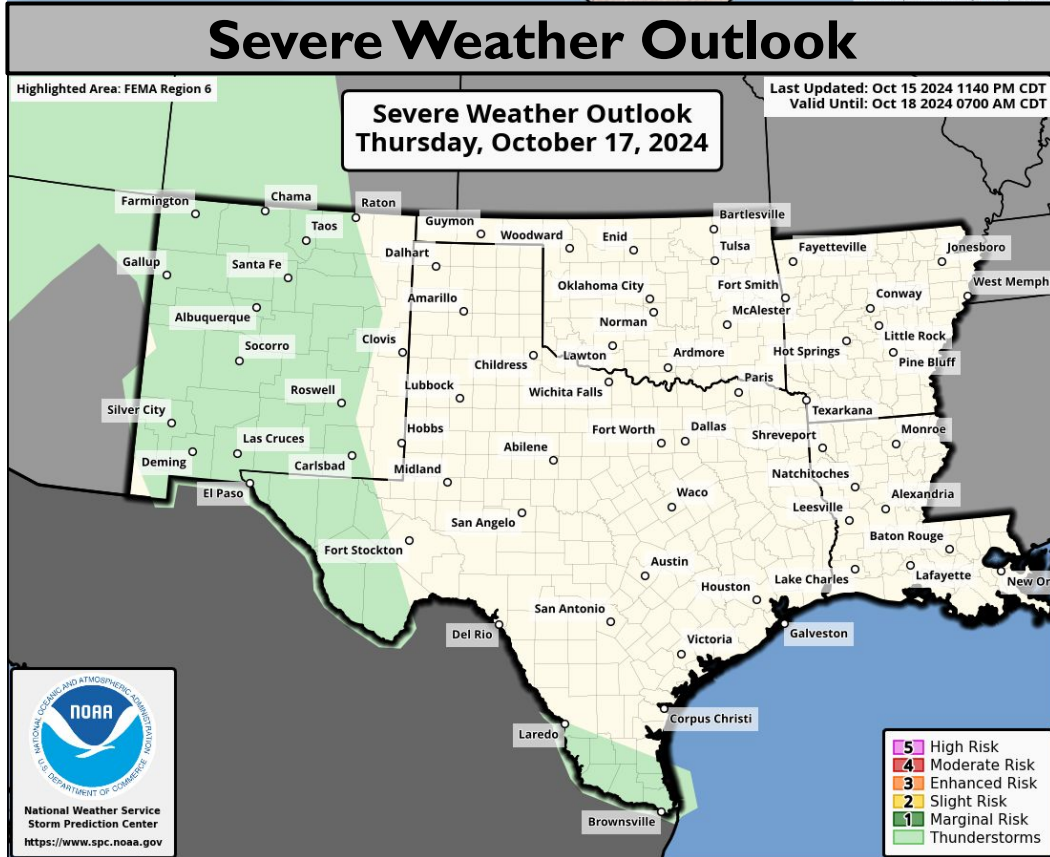


# Tomorrow's Weather



**Elevated to critical fire weather conditions in OK, TX.**

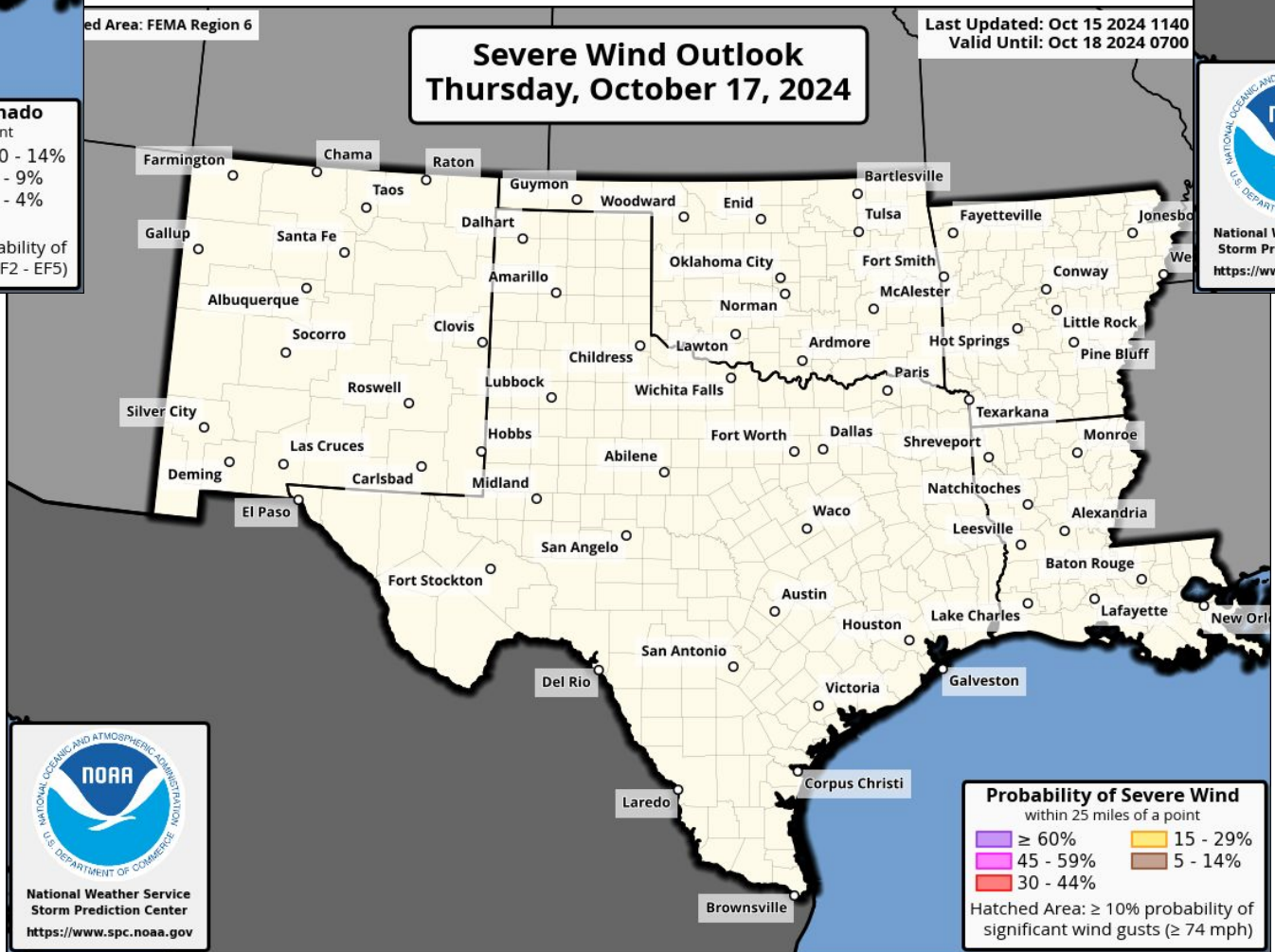
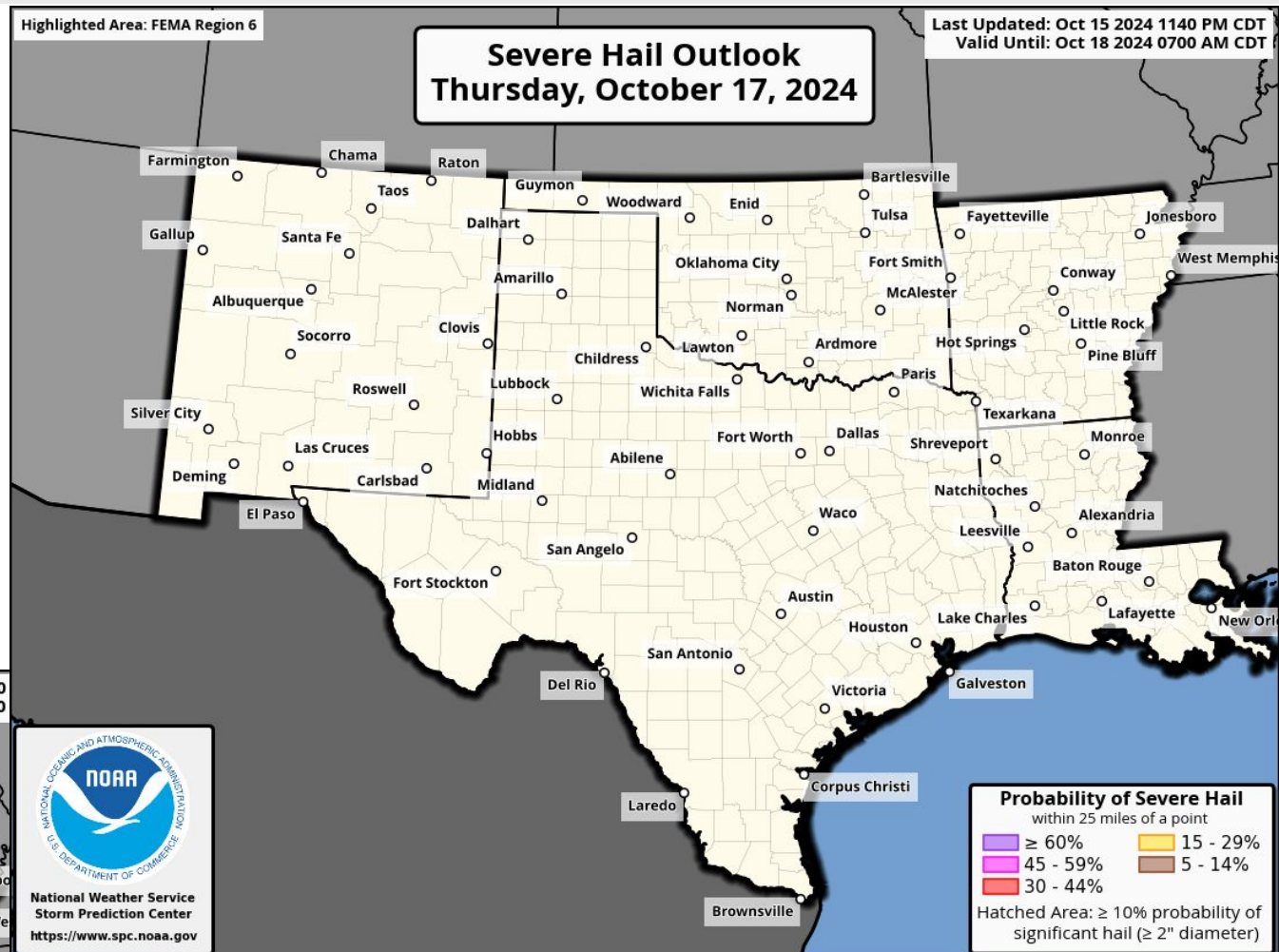
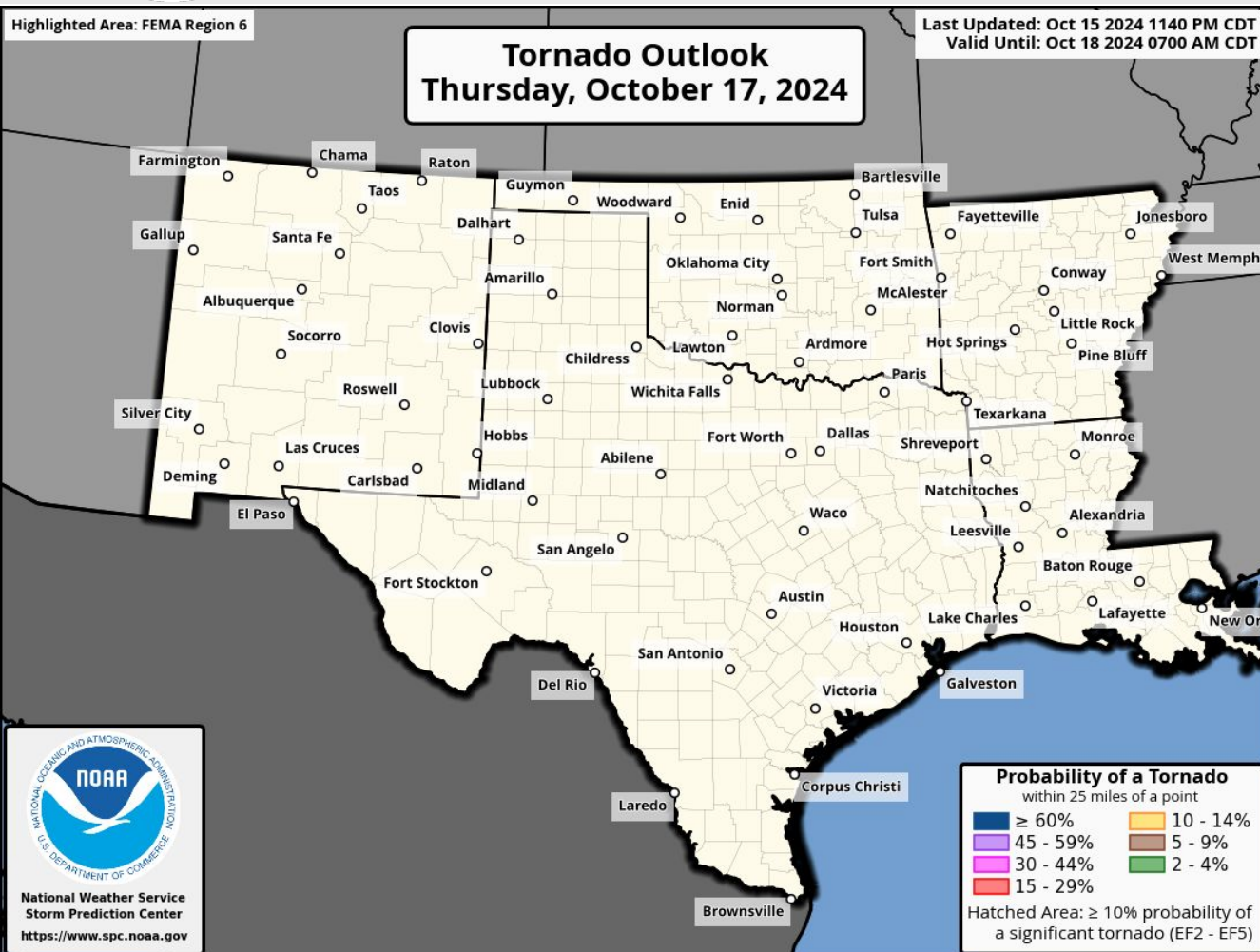
**Frost/Freeze conditions expected in E OK, AR in the morning.**







# Tomorrow's Tornado & Severe Wind / Hail Probabilities

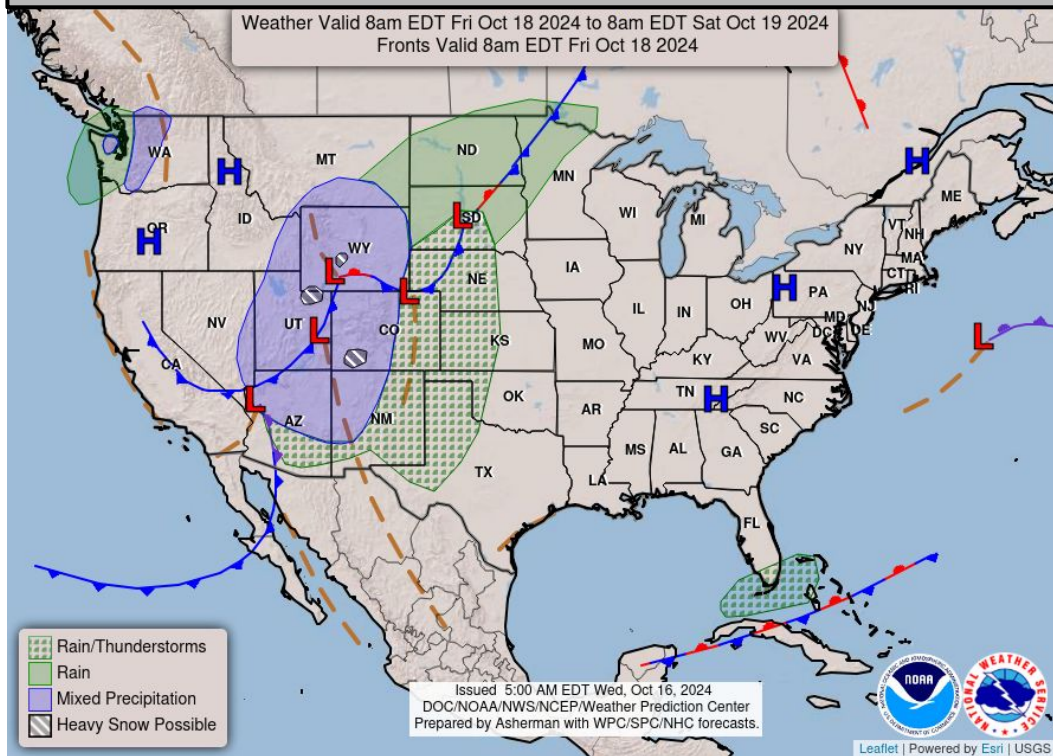




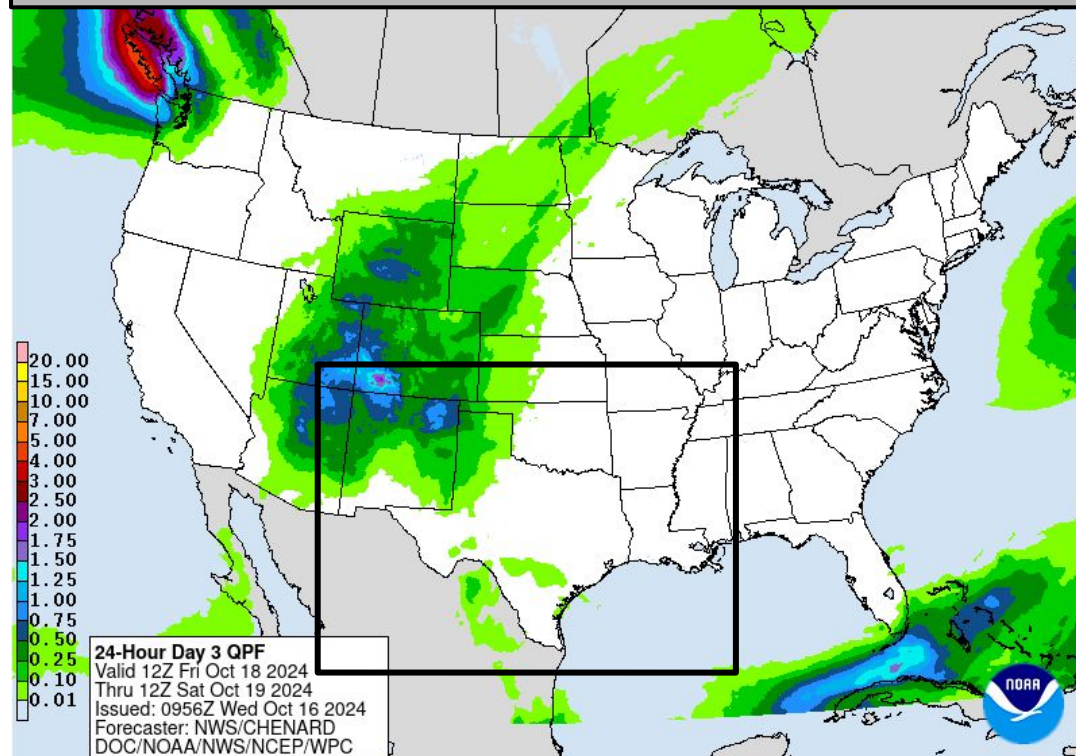


# Friday's Weather

## Forecast Chart



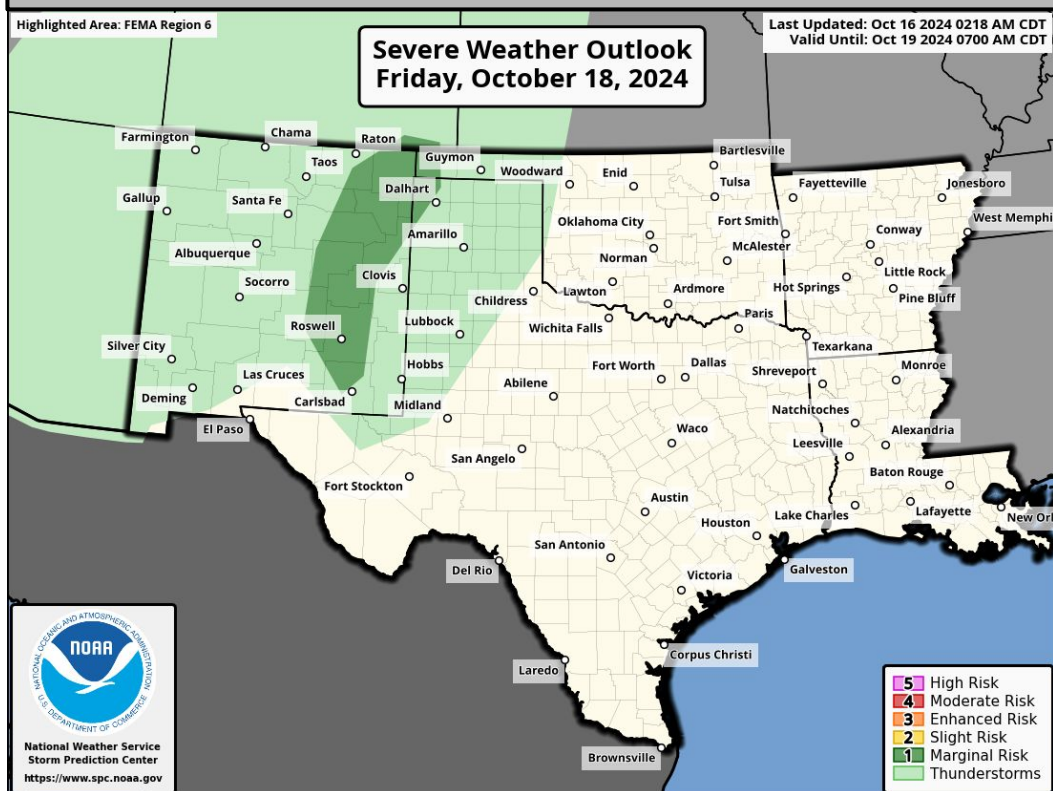
## Forecast Rainfall



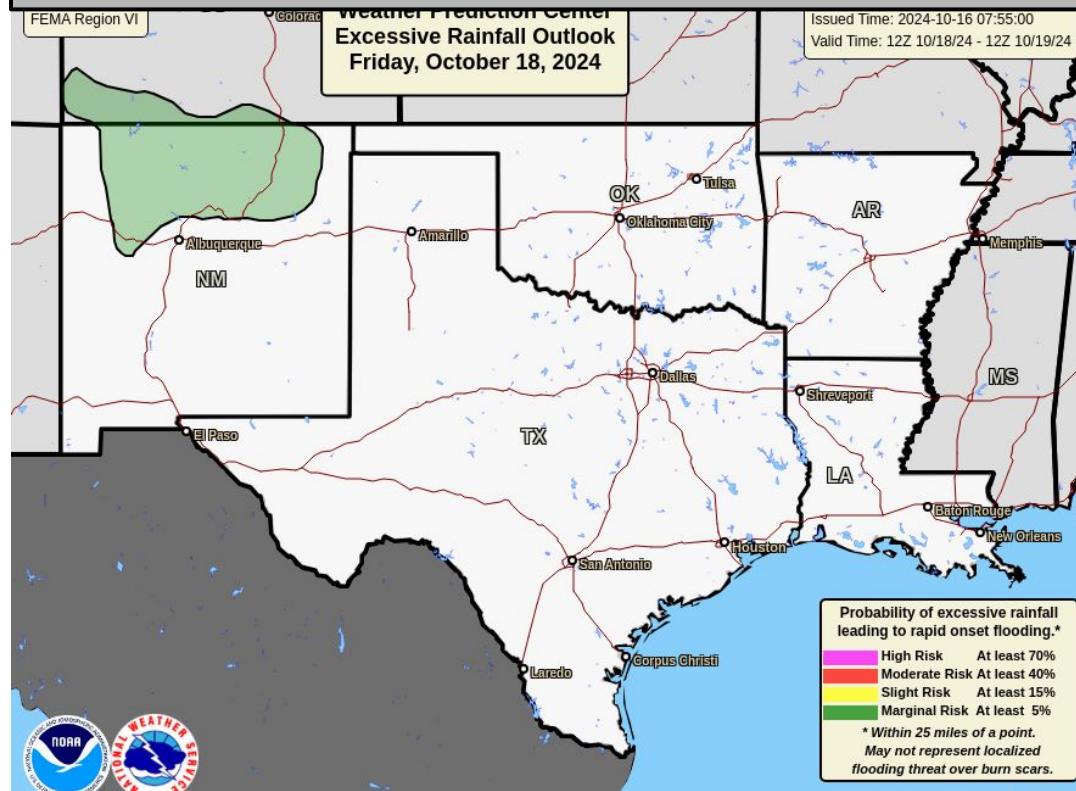
**Risk of heavy rainfall leading to flash flooding over N NM, particularly burn scars.**

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

## Severe Weather Outlook



## Excessive Rainfall Outlook

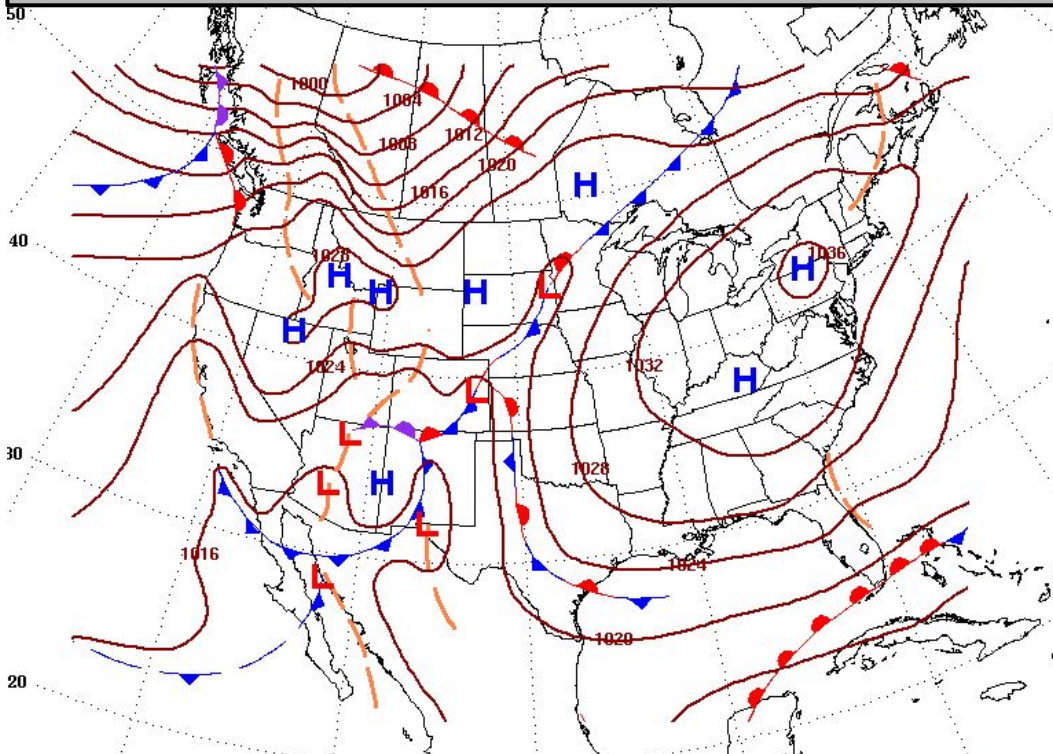




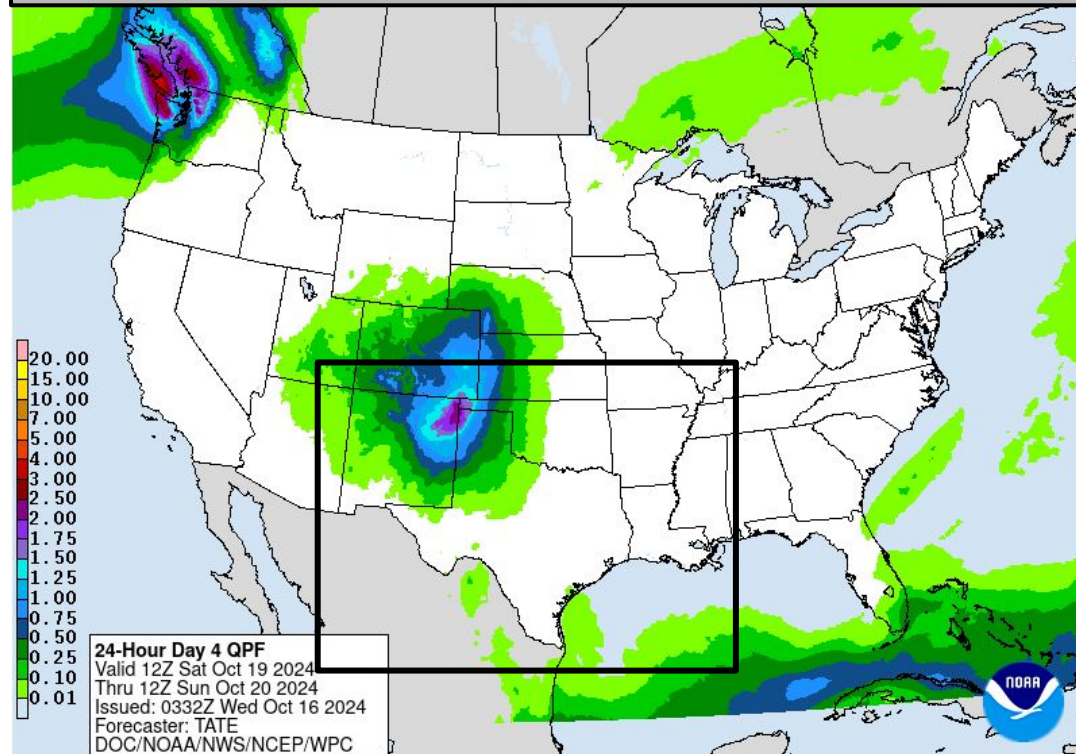


# Saturday's Weather

### Forecast Chart

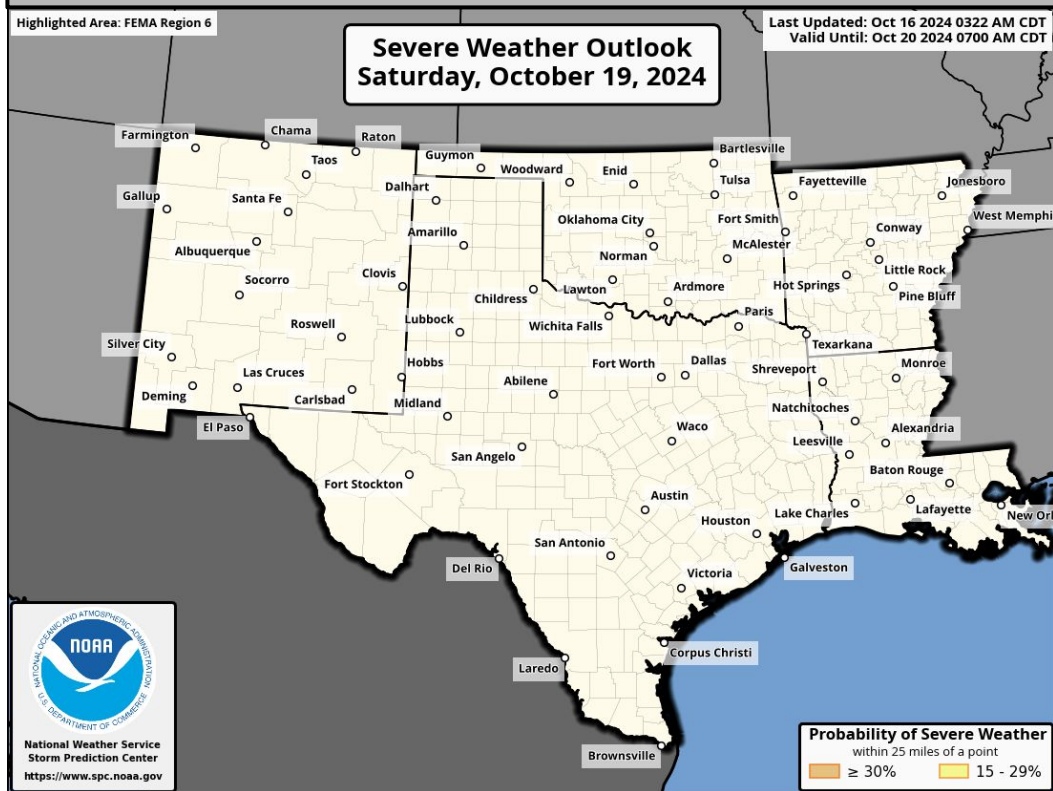


### Forecast Rainfall

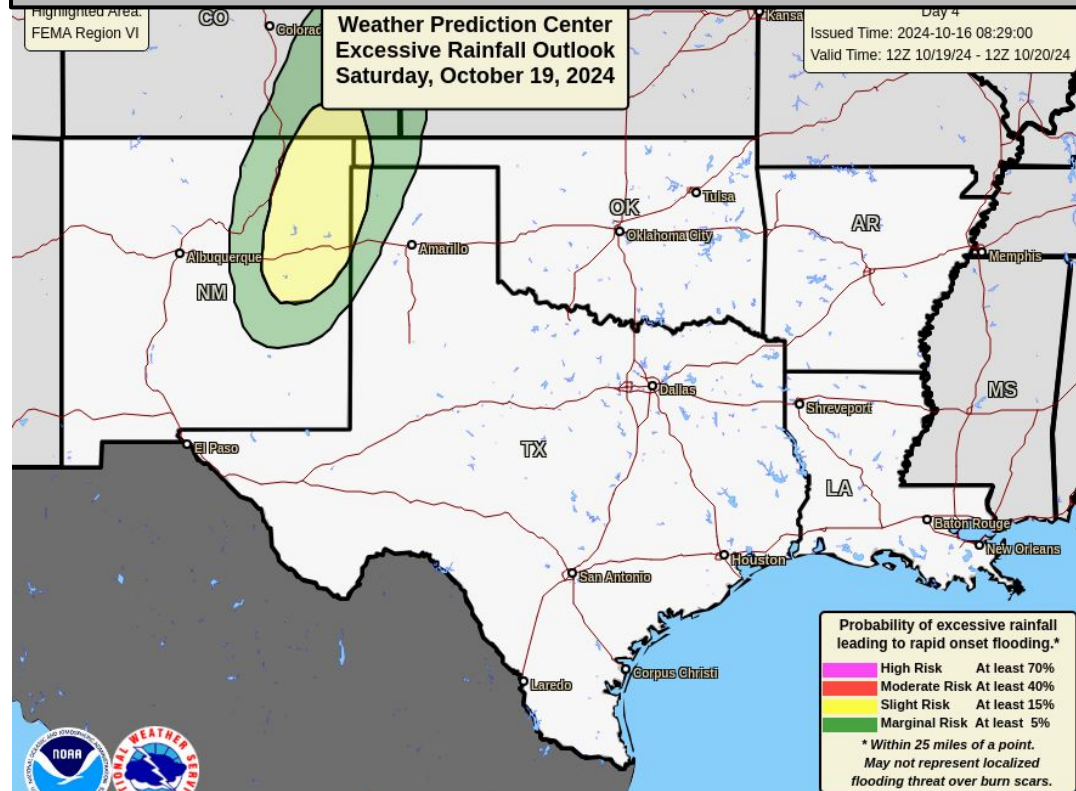


**Slight risk of heavy rainfall leading to flash flooding over NE NM, particularly burn scars, and into W OK/TX Panhandles.**

### Severe Weather Outlook



### Excessive Rainfall Outlook

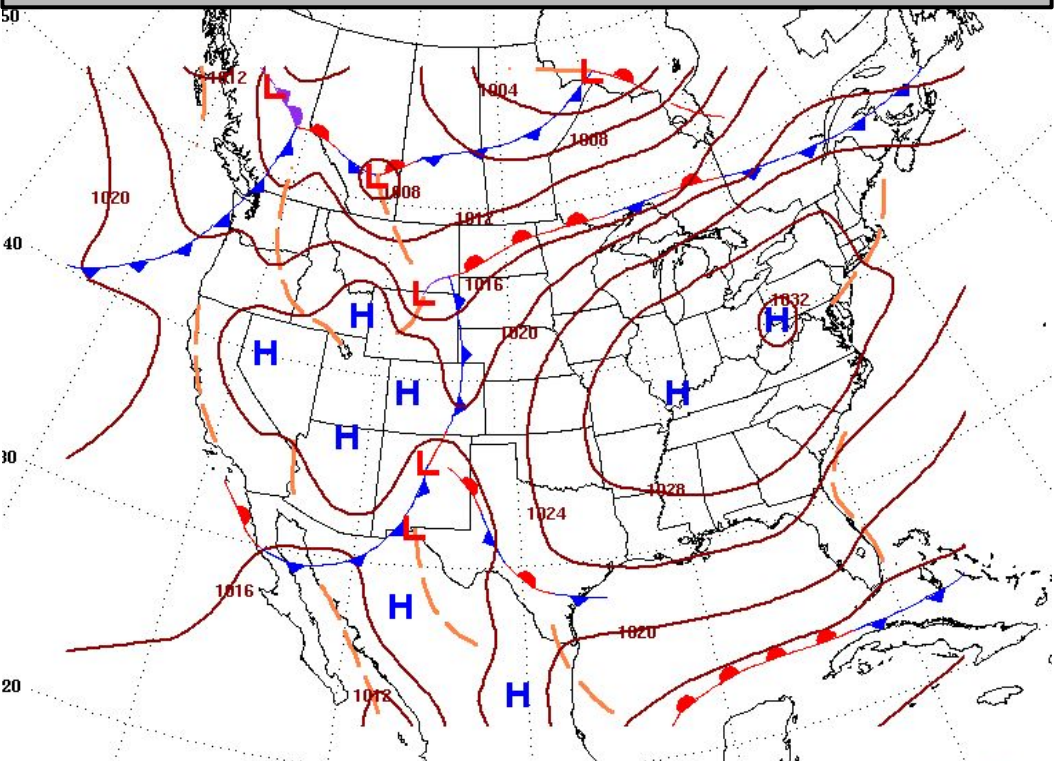




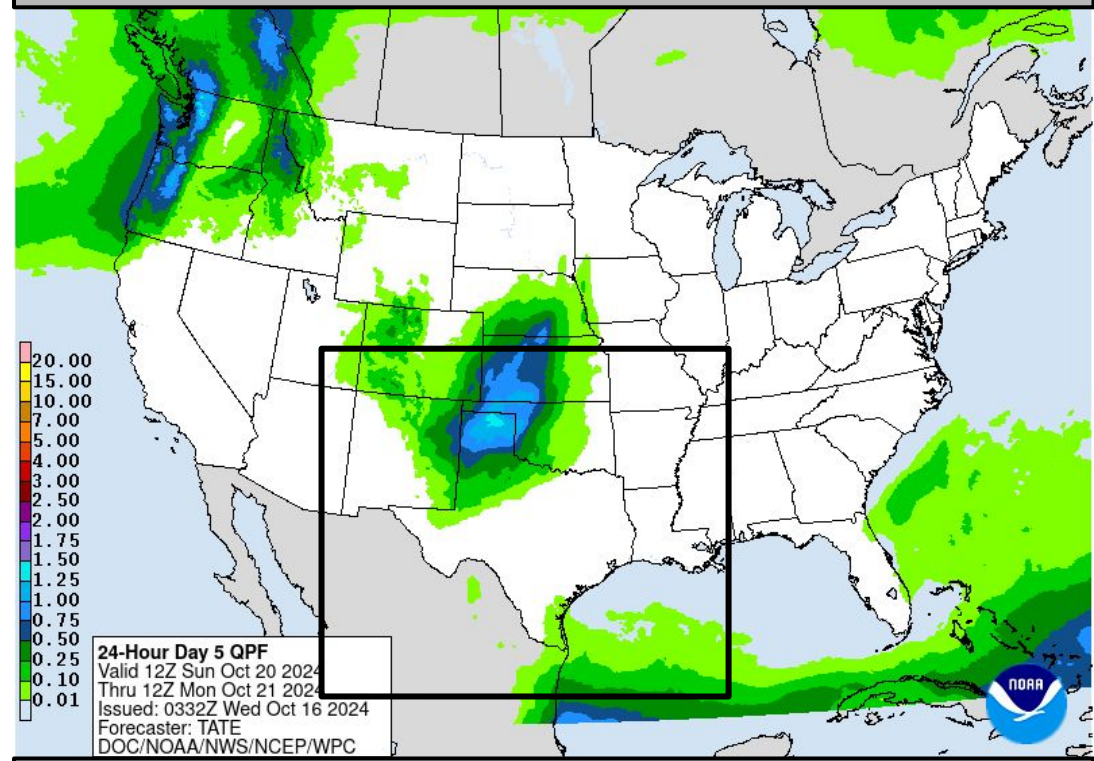


# Sunday's Weather

### Forecast Chart

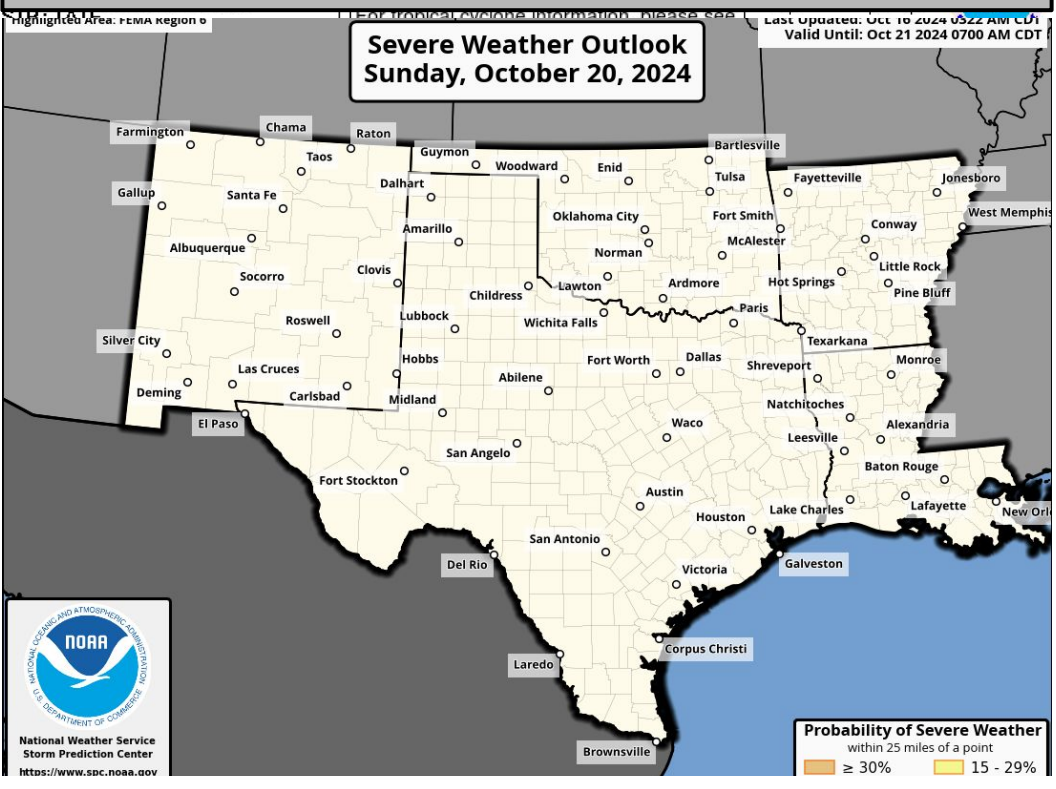


### Forecast Rainfall

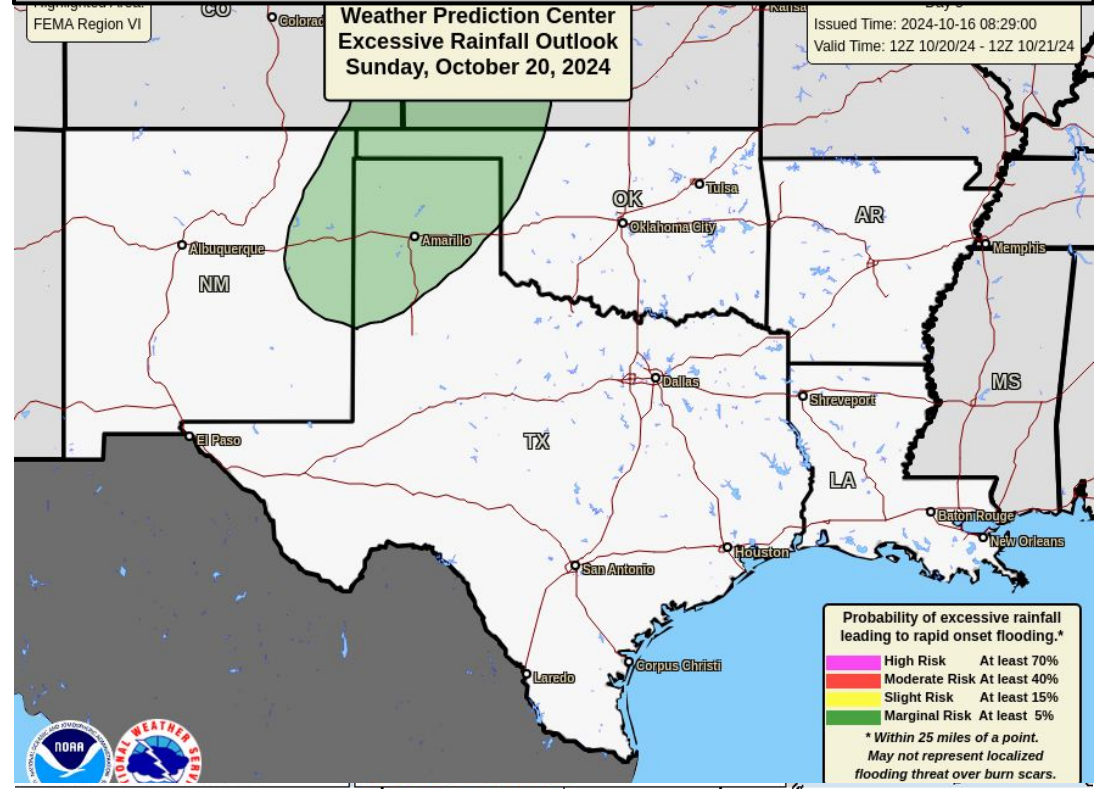


**Risk of heavy rainfall leading to flash flooding over N NM, particularly burn scars, and into OK/TX Panhandles.**

### Severe Weather Outlook



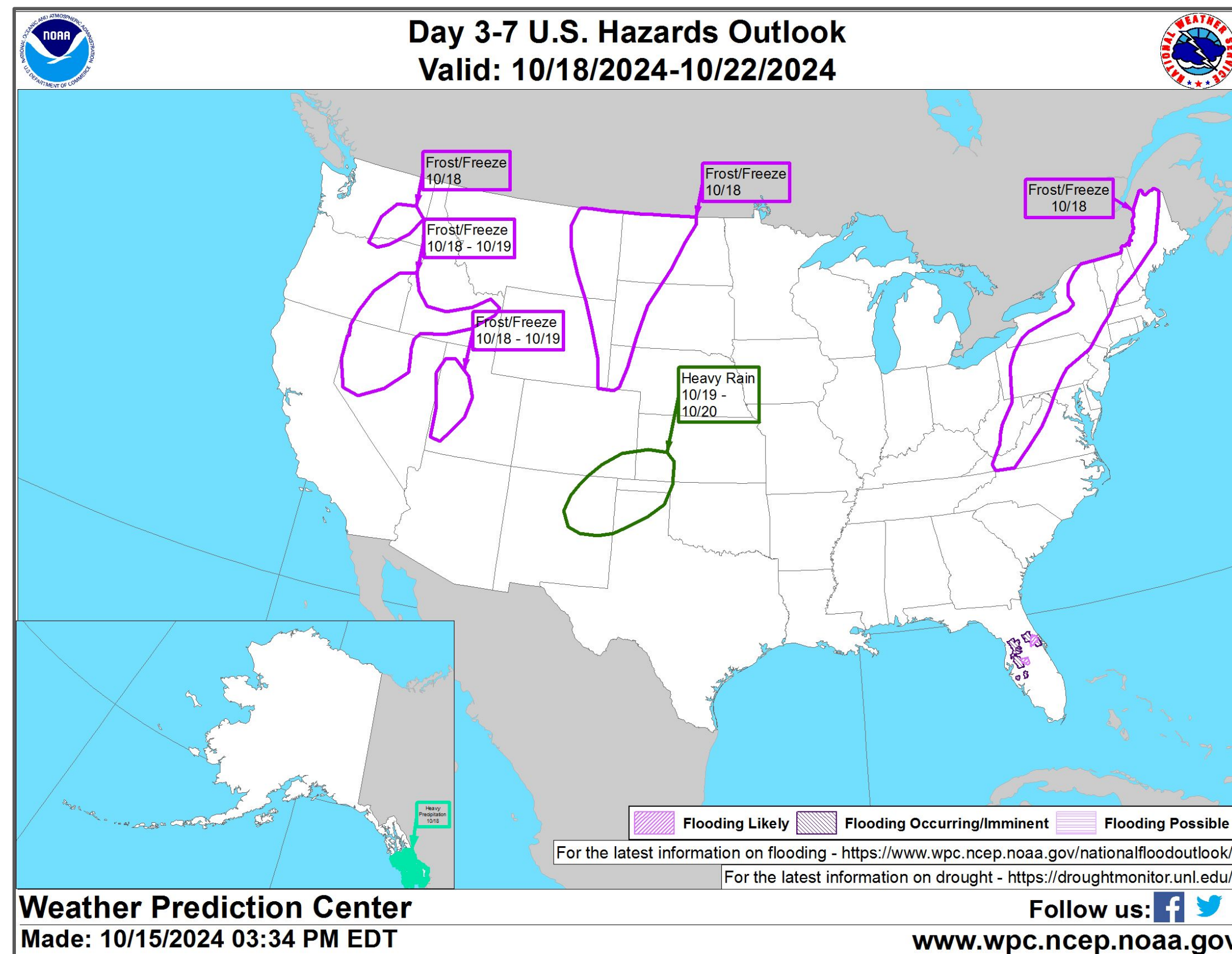
### Excessive Rainfall Outlook







# “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:

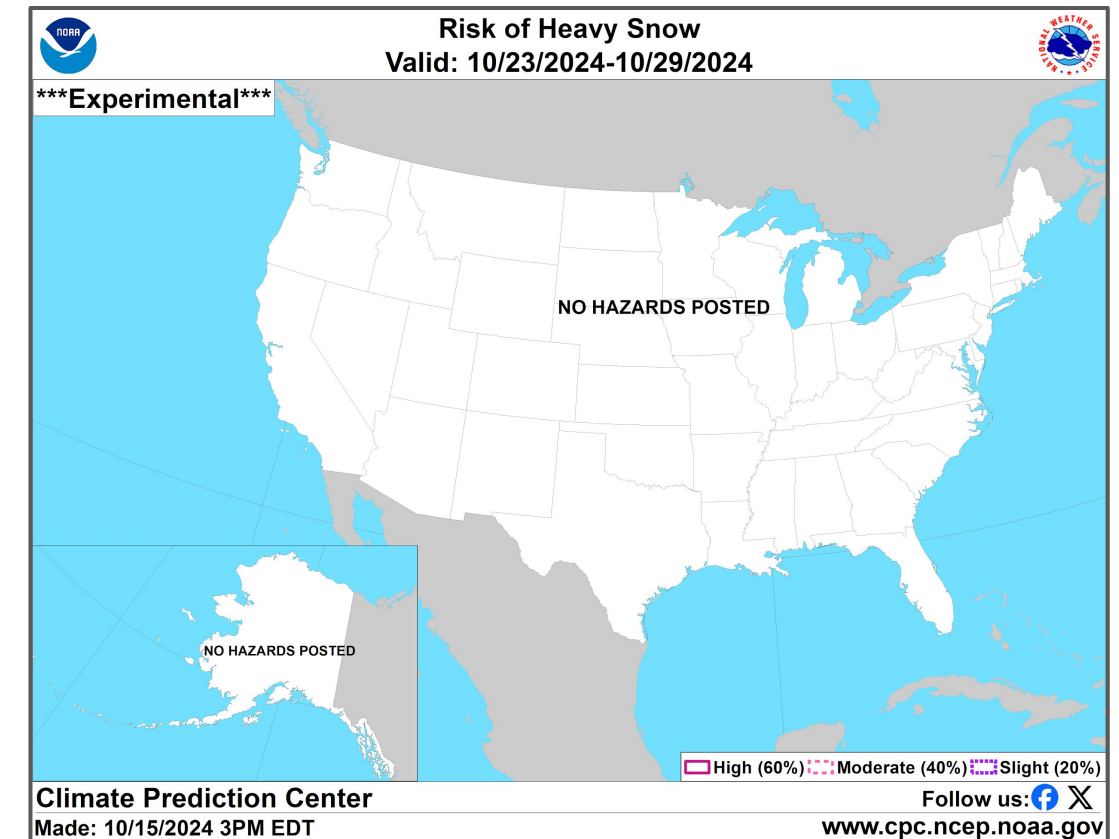
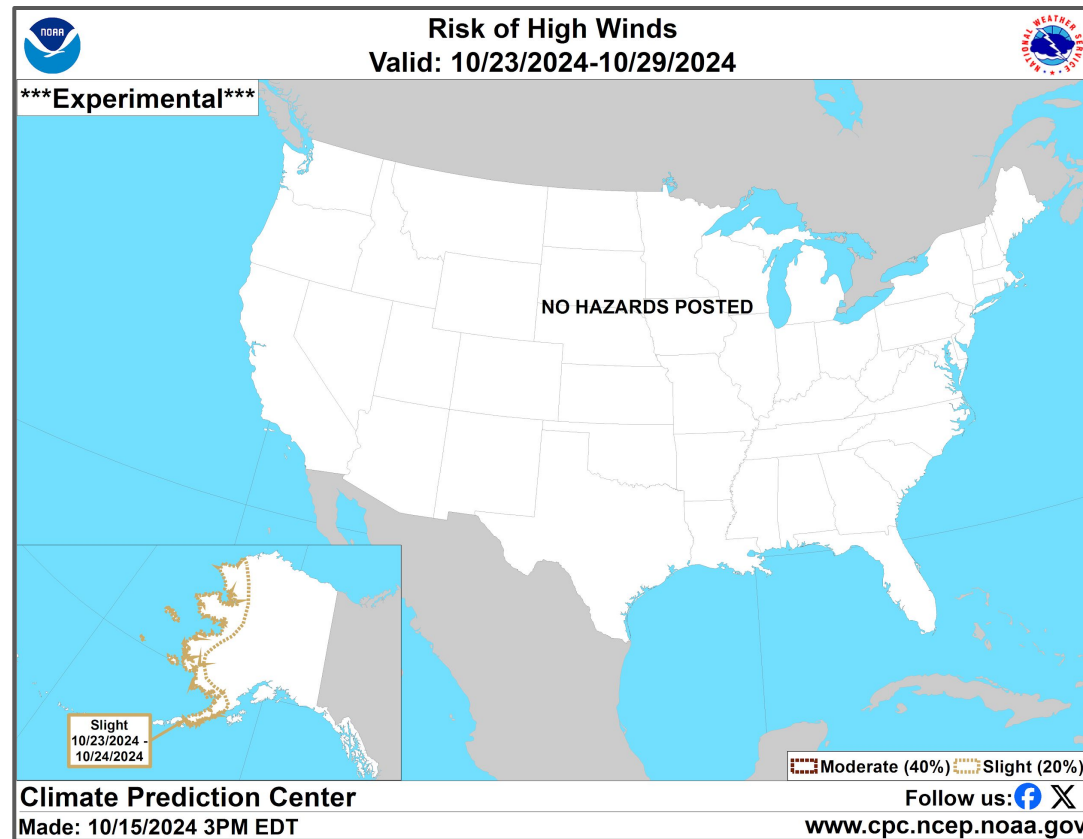
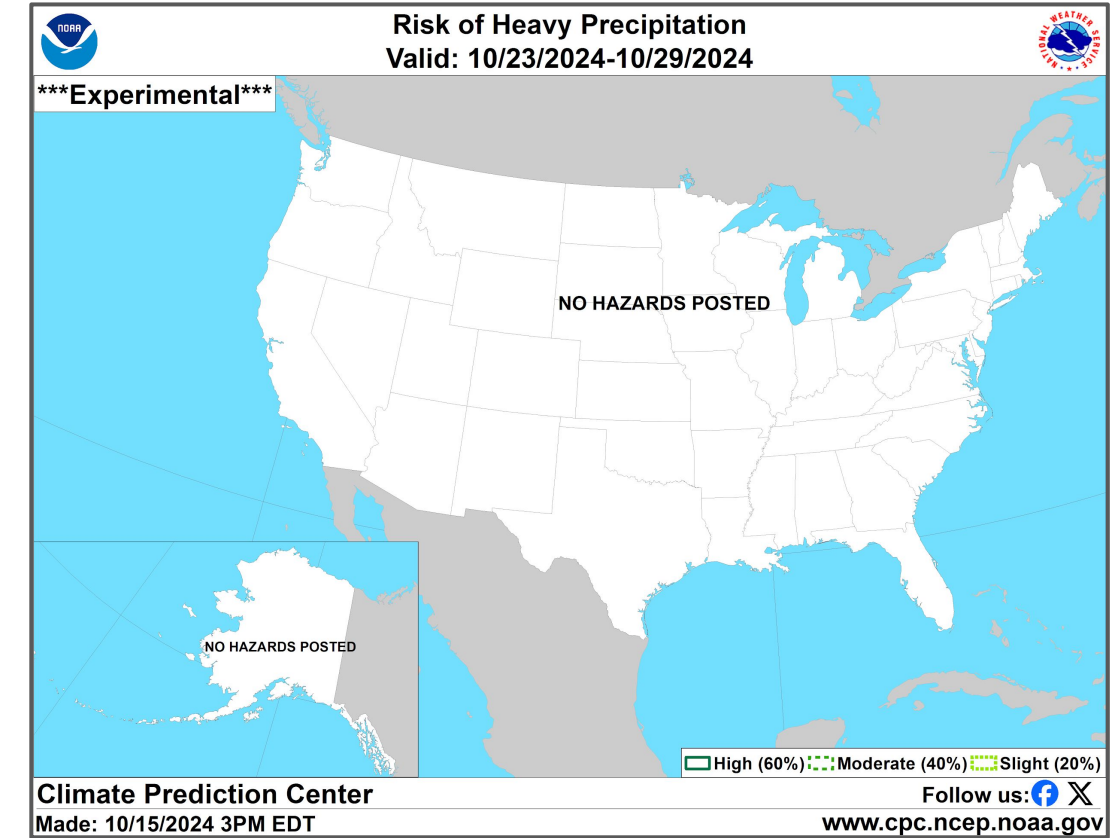
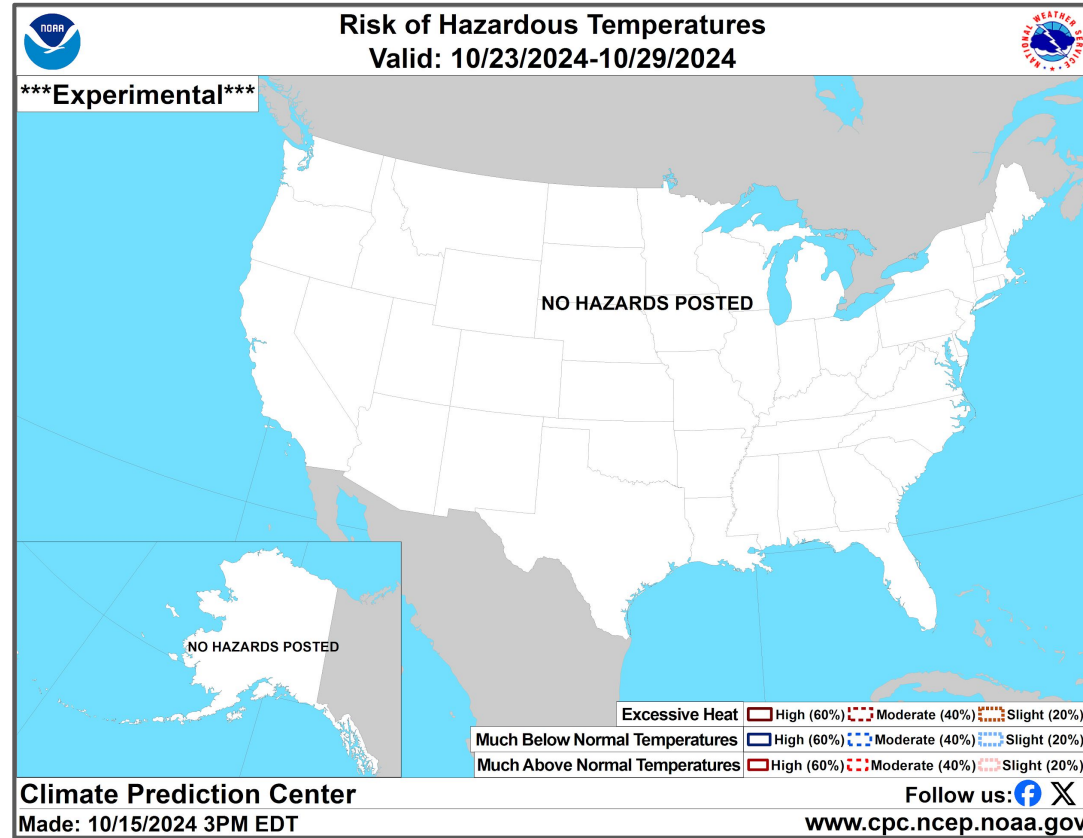
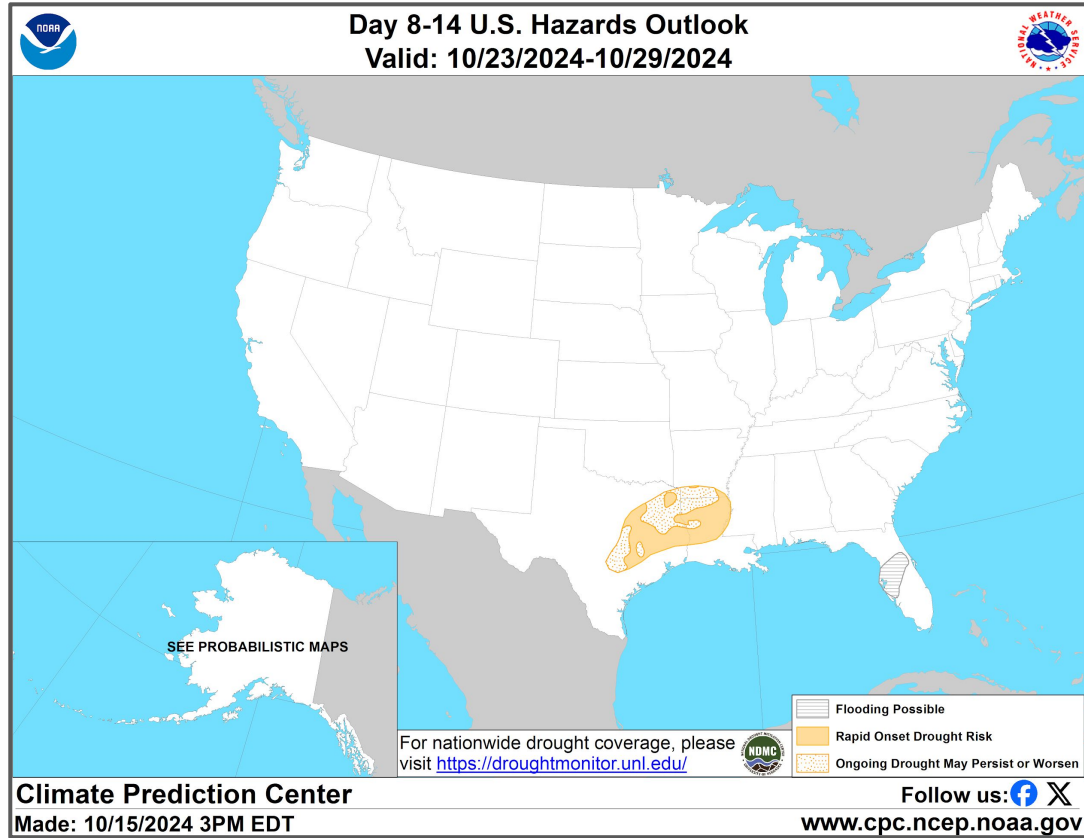
1. The “day 3-7” will really be days 2-6
2. This slide will be hidden on Mondays and Sundays so the data/information is not too old

For additional information on this outlook go to <https://origin.wpc.ncep.noaa.gov/threats/threats.php>





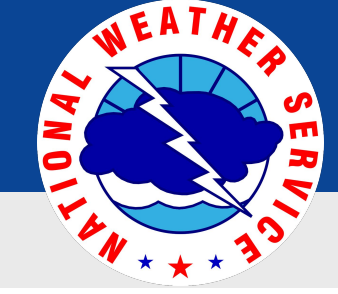
# “Day 8-14” Hazards Outlook



**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:

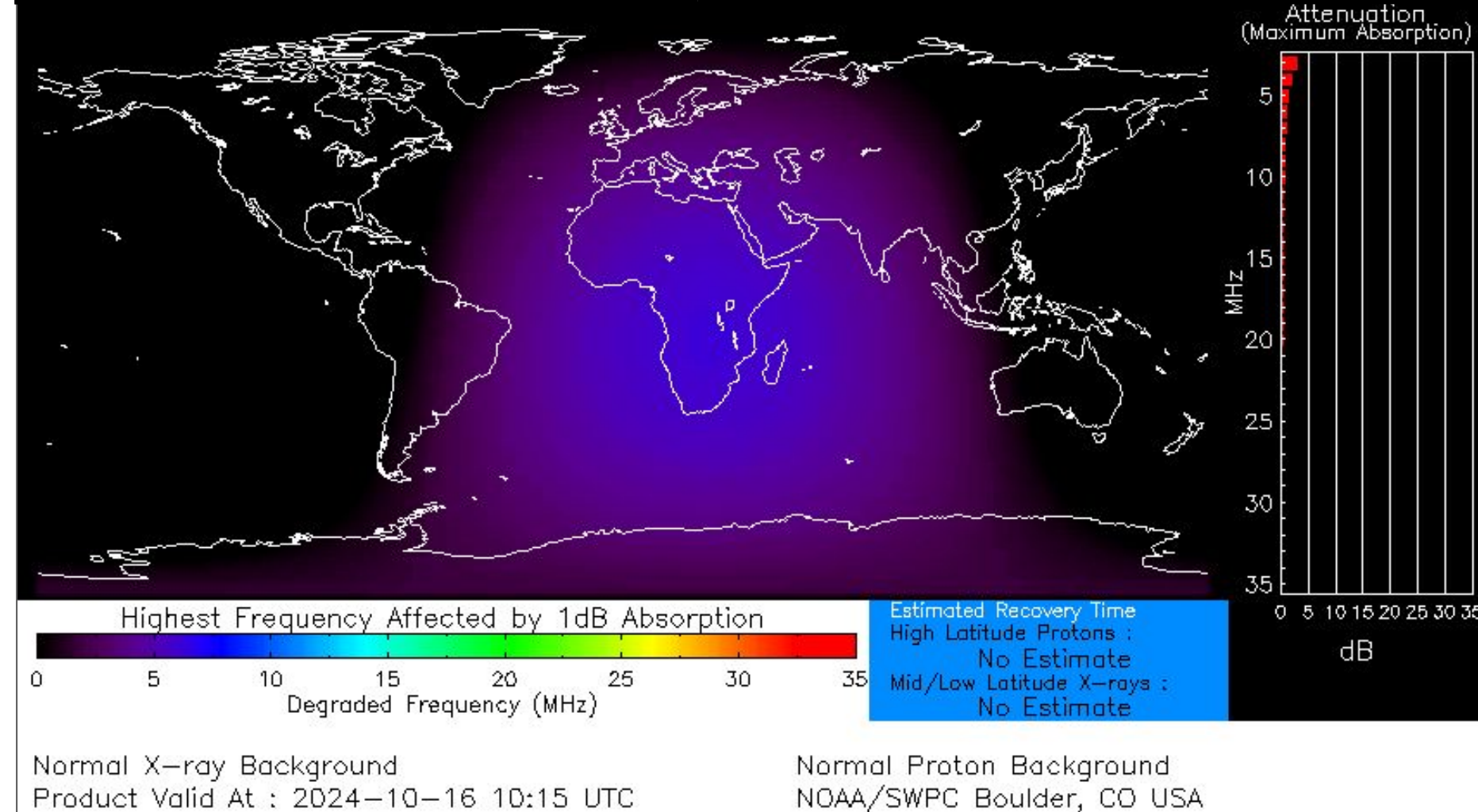
1. The “day 8-14” will really be days 7-13
2. This slide will be hidden on Mondays and Sundays so the data/information is not too old

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



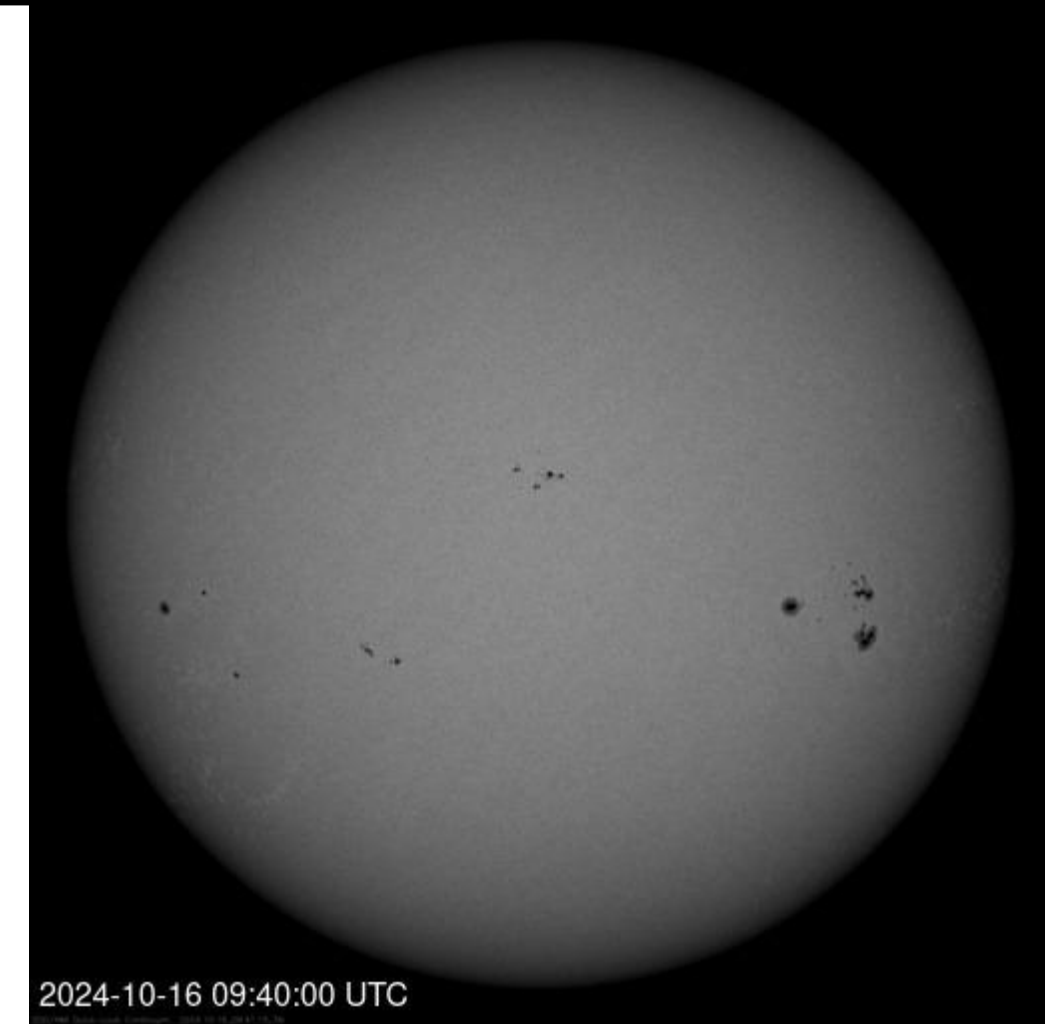
# Space Weather 3-Day Forecast

	Wednesday, Oct 16	Thursday, Oct 17	Friday, Oct 18
<b>Geomagnetic Storms</b>	<b>Active (Max Kp = 4)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	<b>15%</b>	<b>5%</b>	<b>5%</b>
<b>Radio Blackout (R1-R2)</b>	<b>55%</b>	<b>55%</b>	<b>55%</b>
<b>Radio Blackout (R3-R5)</b>	<b>10%</b>	<b>5%</b>	<b>5%</b>



[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;"><b>Little to None</b></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"> <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 seabreeze storms in coastal TX</li> </ul>
Yellow	<p style="text-align: center;"><b>Minor</b></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"> <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	<p style="text-align: center;"><b>Moderate</b></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"> <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	<p style="text-align: center;"><b>Major</b></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"> <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	<p style="text-align: center;"><b>Extreme</b></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"> <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)**





# National Weather Service

Southern Region Headquarters

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Fort Worth, TX



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**Twitter:** NWSSouthern



**Web:** [www.weather.gov/srh](http://www.weather.gov/srh)

