



# FEMA



Prepared by  
*Kurt Van Speybroeck*

# FEMA Region 6 Weather Threat Briefing

Thursday October 19, 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](http://www.weather.gov/srh).



NWSSouthern

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



# Summary of the Upcoming Week

- **Elevated wildfire threat across TX and OK through Saturday.**
- **Tropics:**
  - **TS Tammy is moving northwest east of the Windward Islands. No impacts to FEMA 6.**



# FEMA Region 6 Threat Matrix

Oct 19, 2023 - Oct 23, 2023

DAY / THREAT	Thu	Fri	Sat	Sun	Mon
Severe Storms					
Heavy Rain / Flash Flooding					
Fire Weather	TX,W OK	TX	TX		
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.*



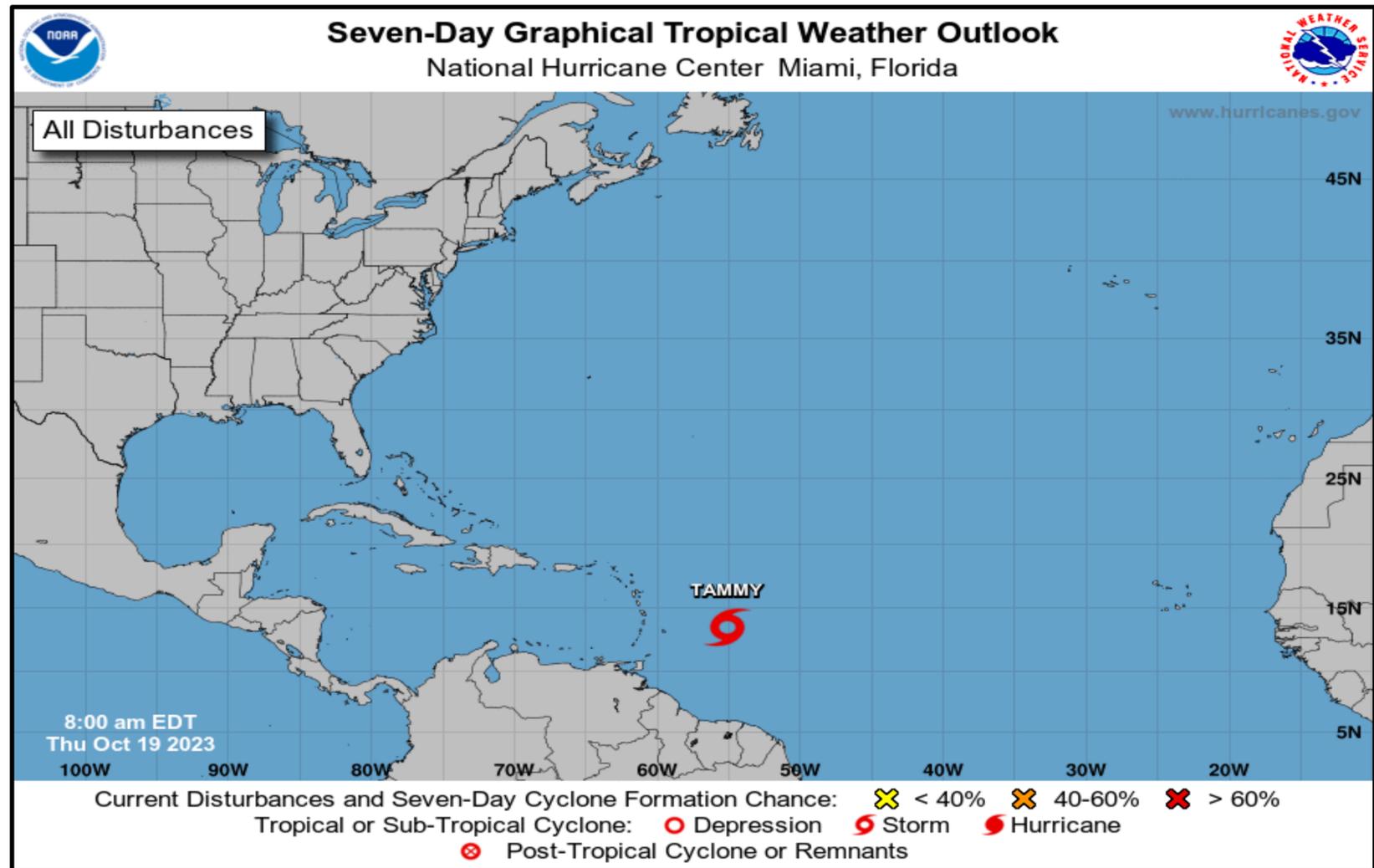
# Tropical Weather Outlook – Atlantic/Gulf

## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6

## Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
Tammy	None

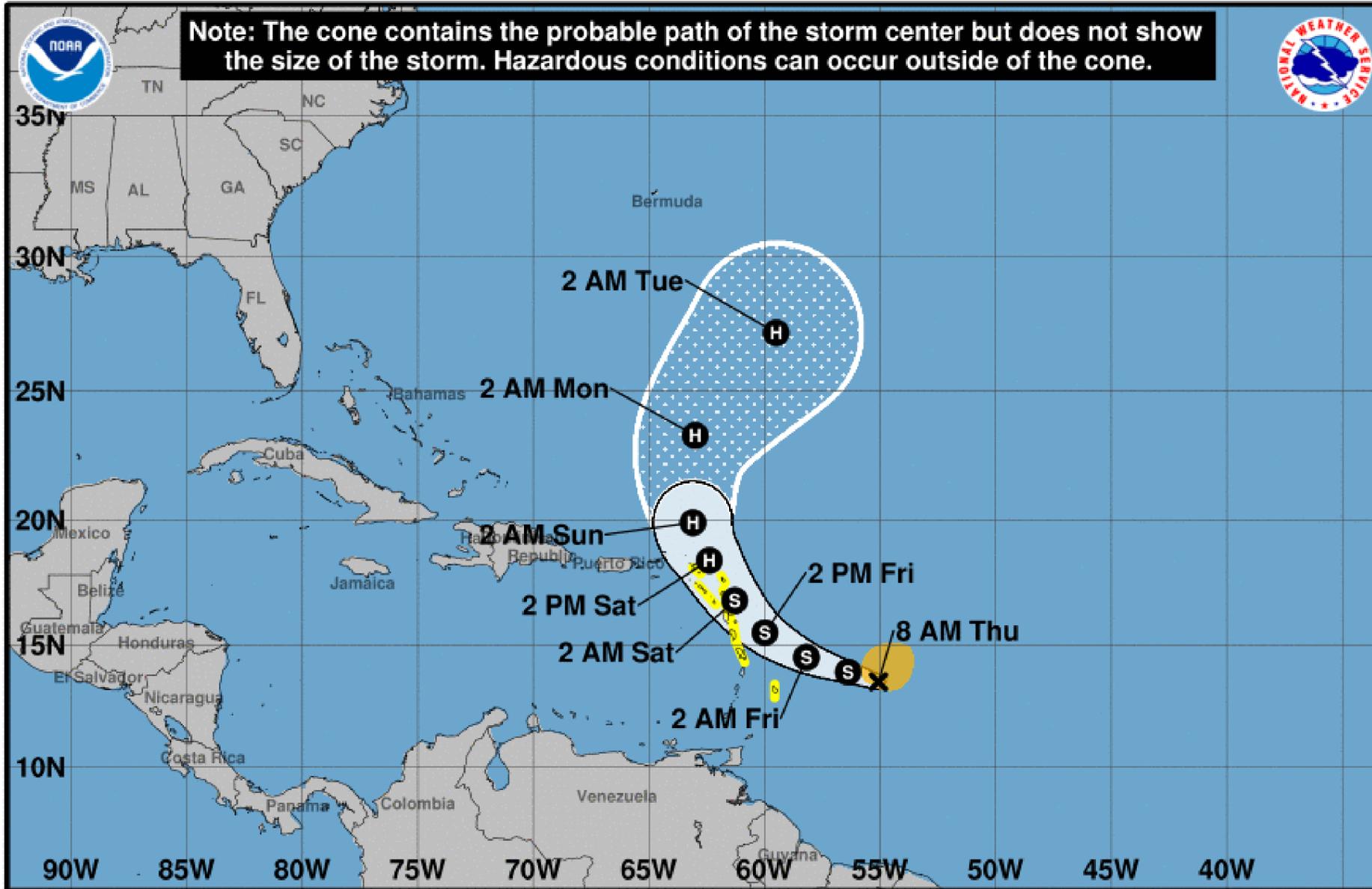


See <http://www.hurricanes.gov> for the latest on the tropics or any active storms



# Tammy

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



Tammy will gradually strengthen as it moves northwest and curve northeast into the Atlantic.

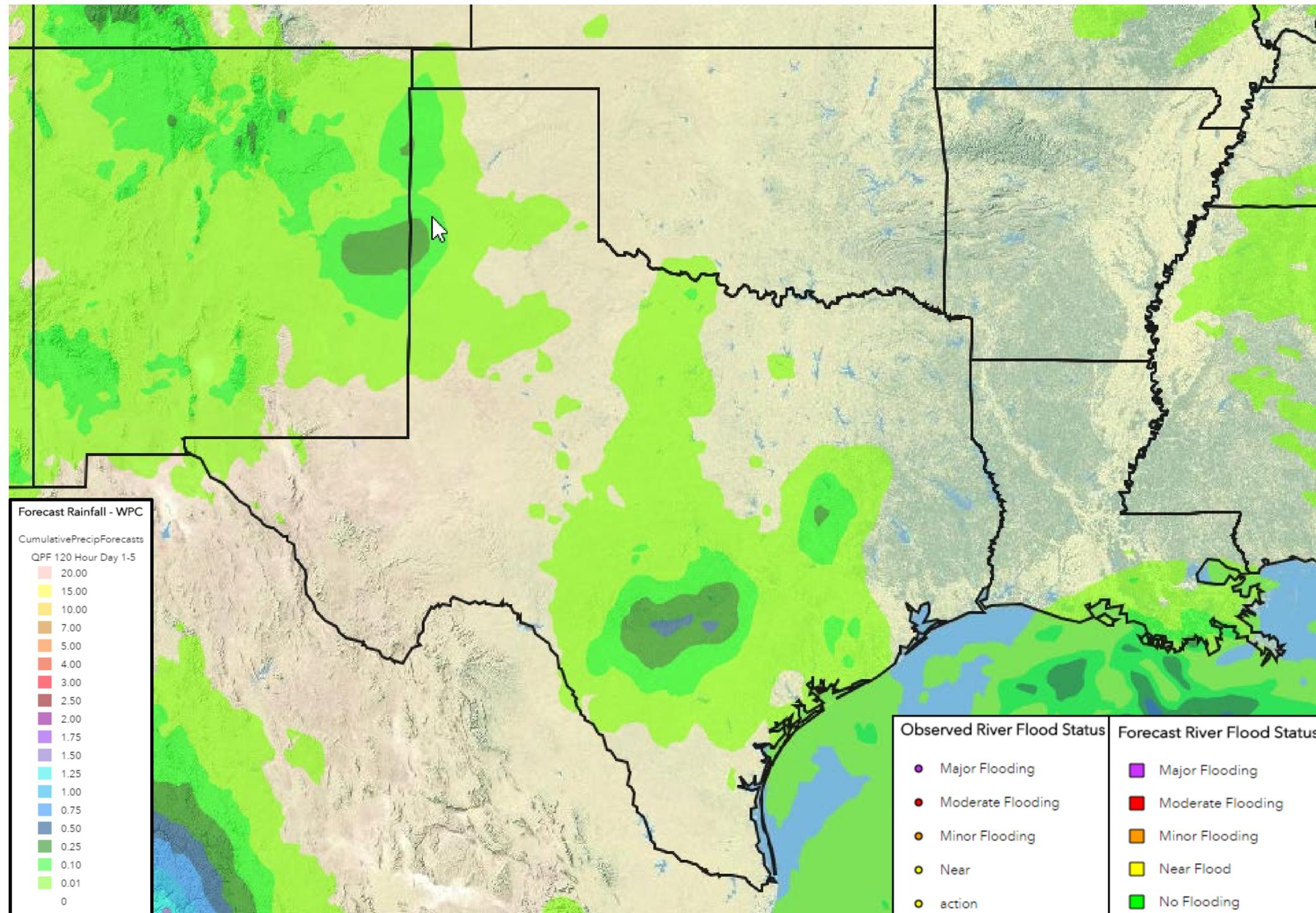
No impacts to FEMA 6.

<b>Tropical Storm Tammy</b> Thursday October 19, 2023 8 AM AST Advisory 4 NWS National Hurricane Center	<b>Current information: x</b> Center location 13.5 N 55.1 W Maximum sustained wind 60 mph Movement W at 16 mph	<b>Forecast positions:</b> ● Tropical Cyclone   ○ Post/Potential TC Sustained winds:   D < 39 mph S 39-73 mph   H 74-110 mph   M > 110 mph	
<b>Potential track area:</b> Day 1-3   Day 4-5	<b>Watches:</b> Hurricane   Trop Stm	<b>Warnings:</b> Hurricane   Trop Stm	<b>Current wind field estimate:</b> Hurricane   Trop Stm



# 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



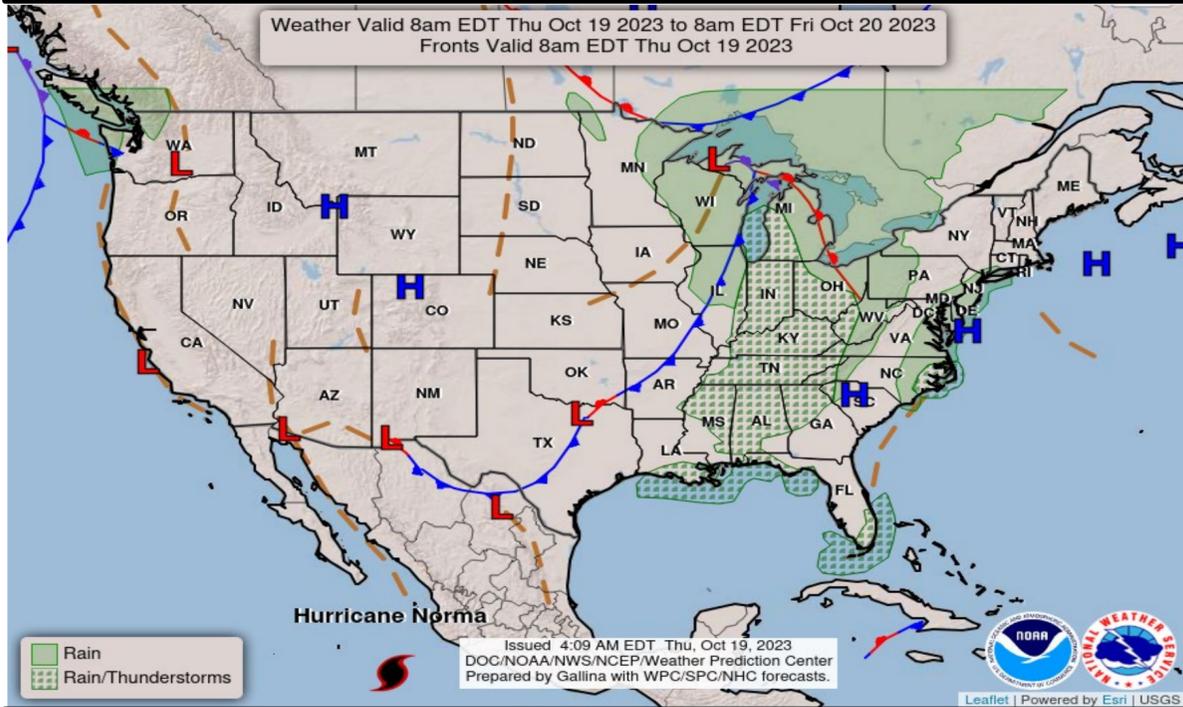
**No significant river flooding is expected.**

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

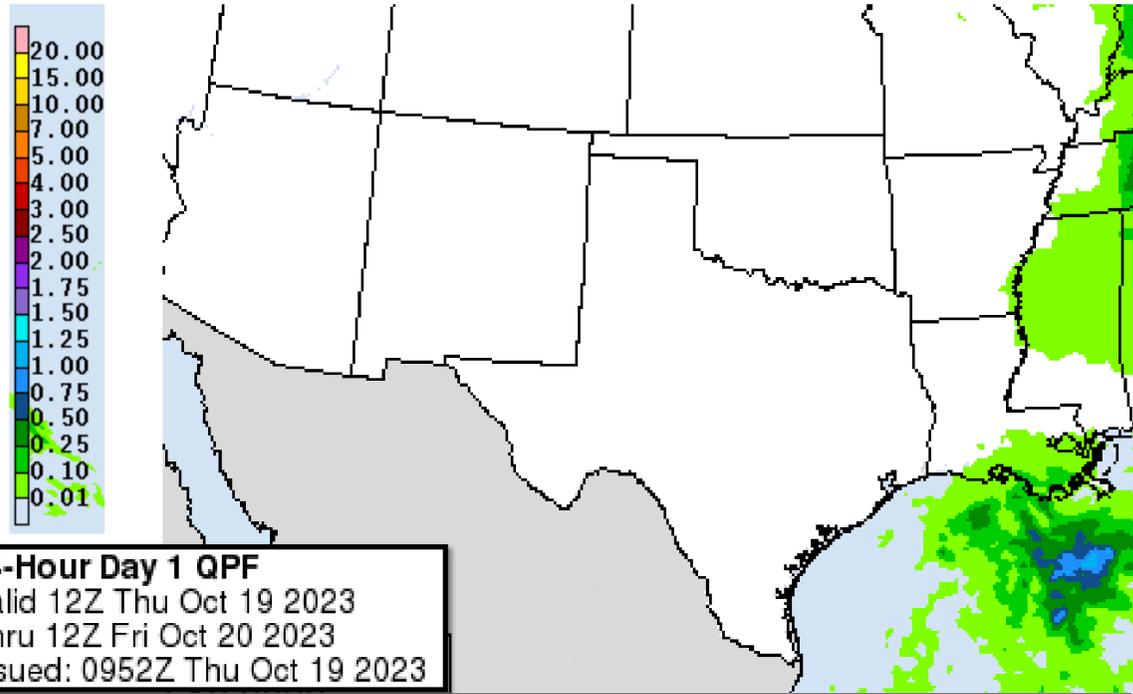


# Today's Weather

## Forecast Chart

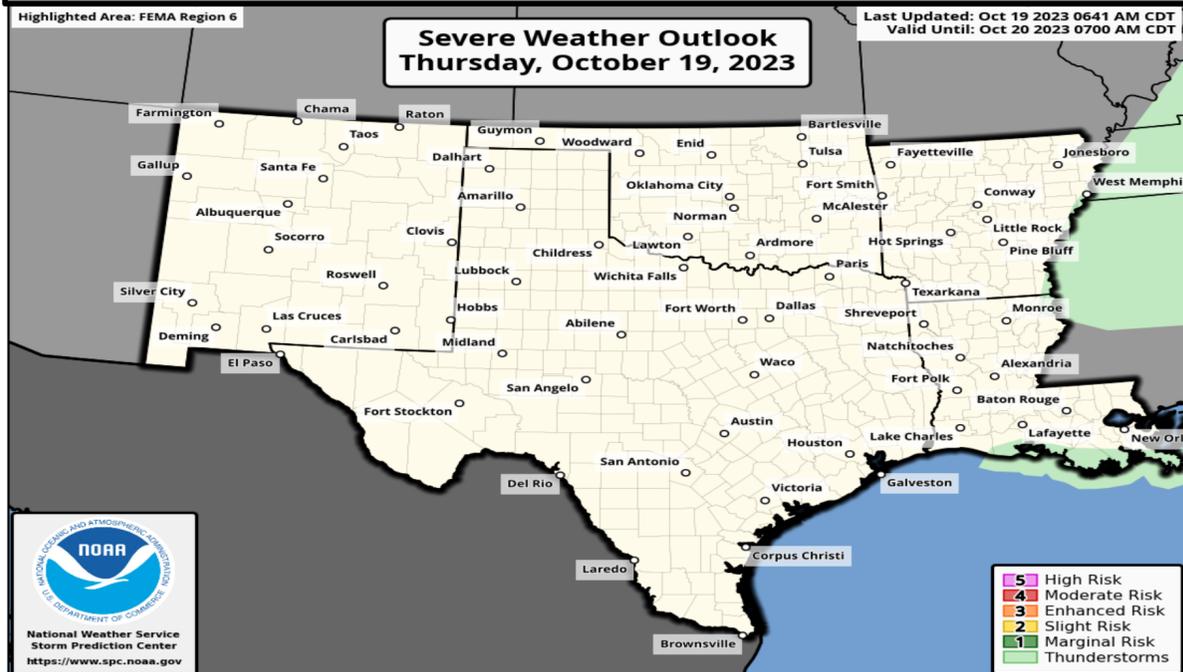


## Forecast Rainfall

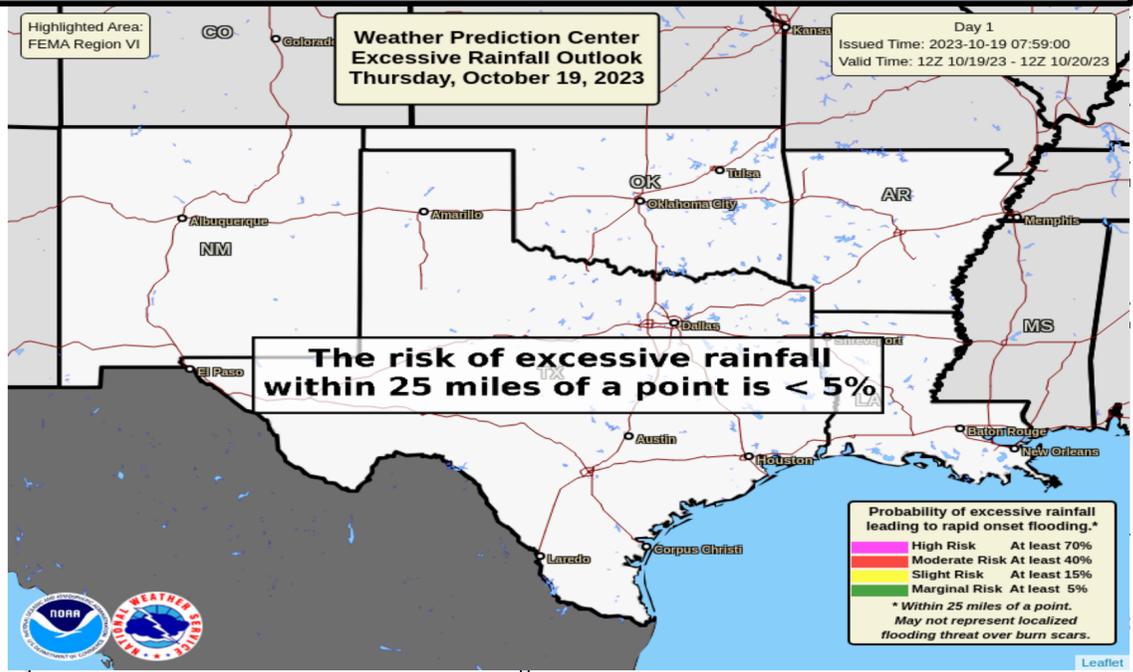


**Elevated wildfire threat for across TX and W OK.**

## Severe Weather Outlook



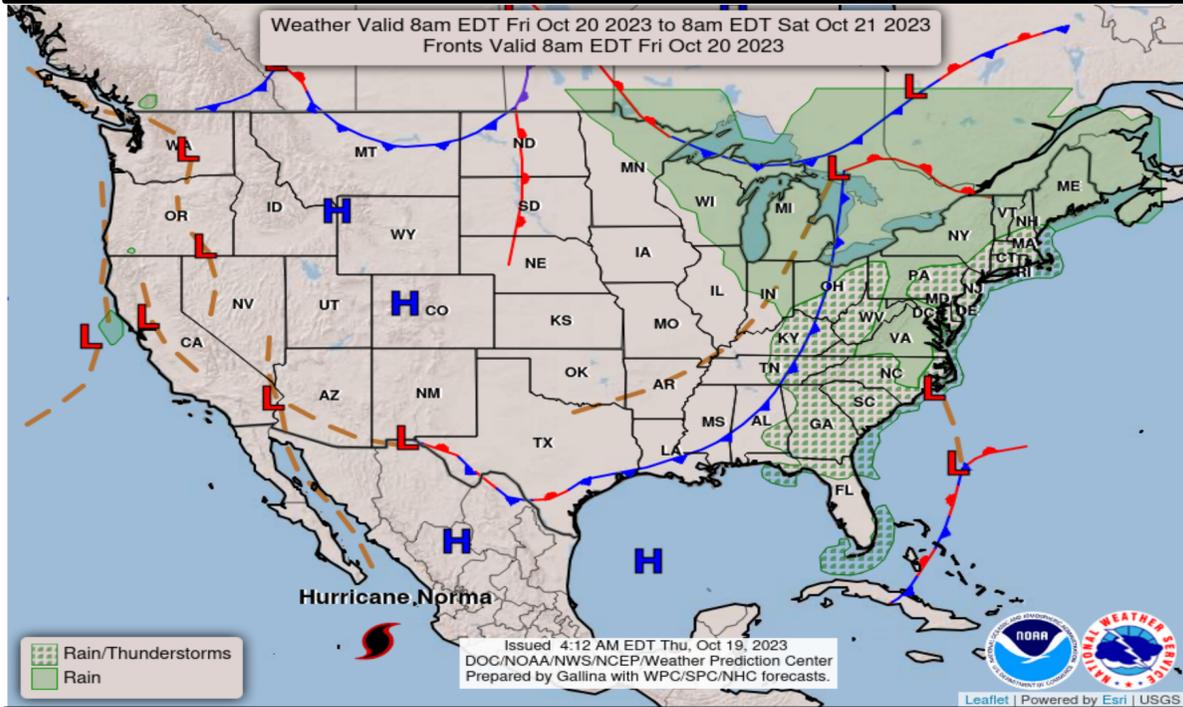
## Excessive Rainfall Outlook



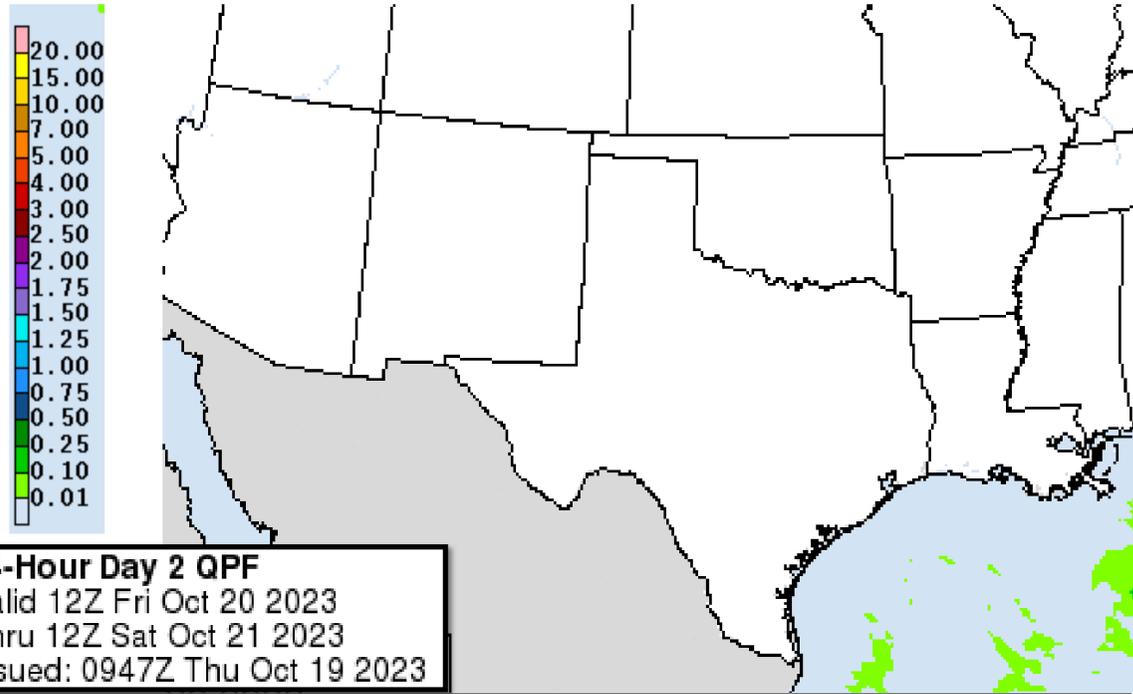


# Tomorrow's Weather

## Forecast Chart

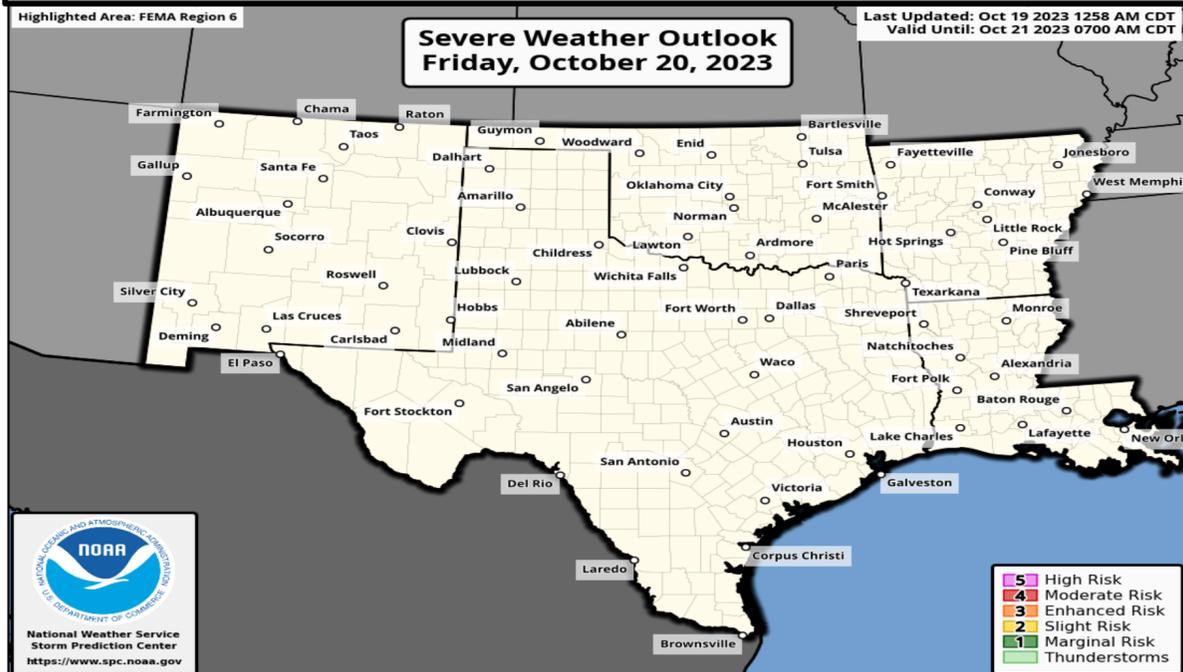


## Forecast Rainfall

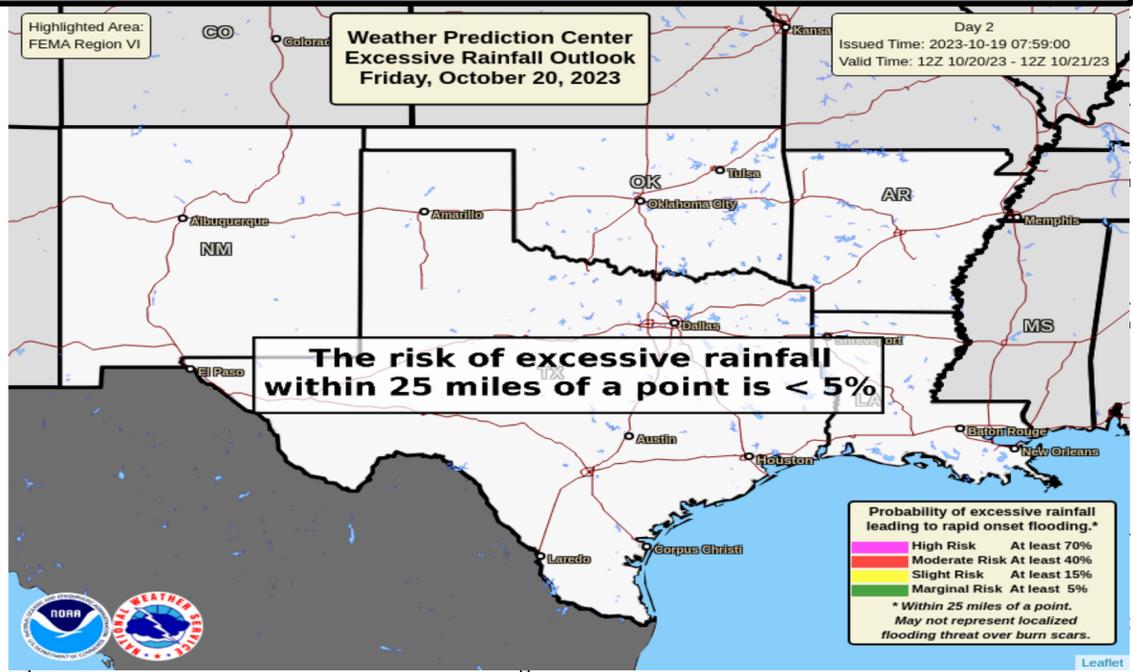


**Elevated wildfire threat across TX.**

## Severe Weather Outlook



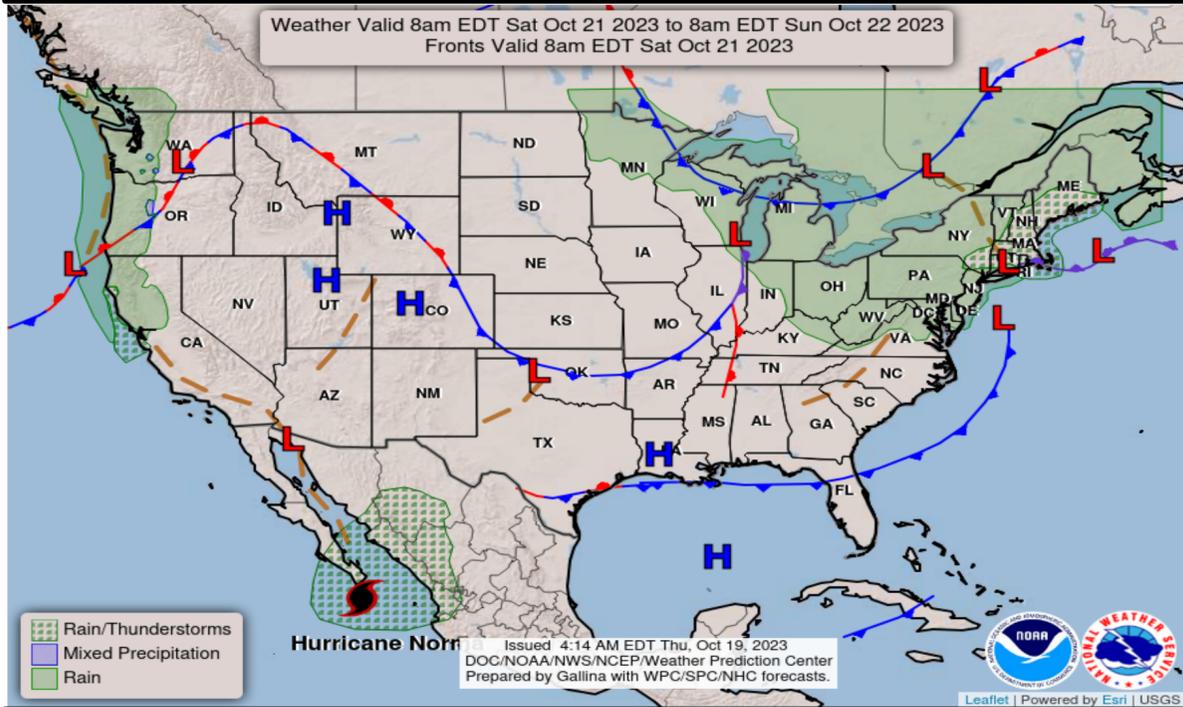
## Excessive Rainfall Outlook



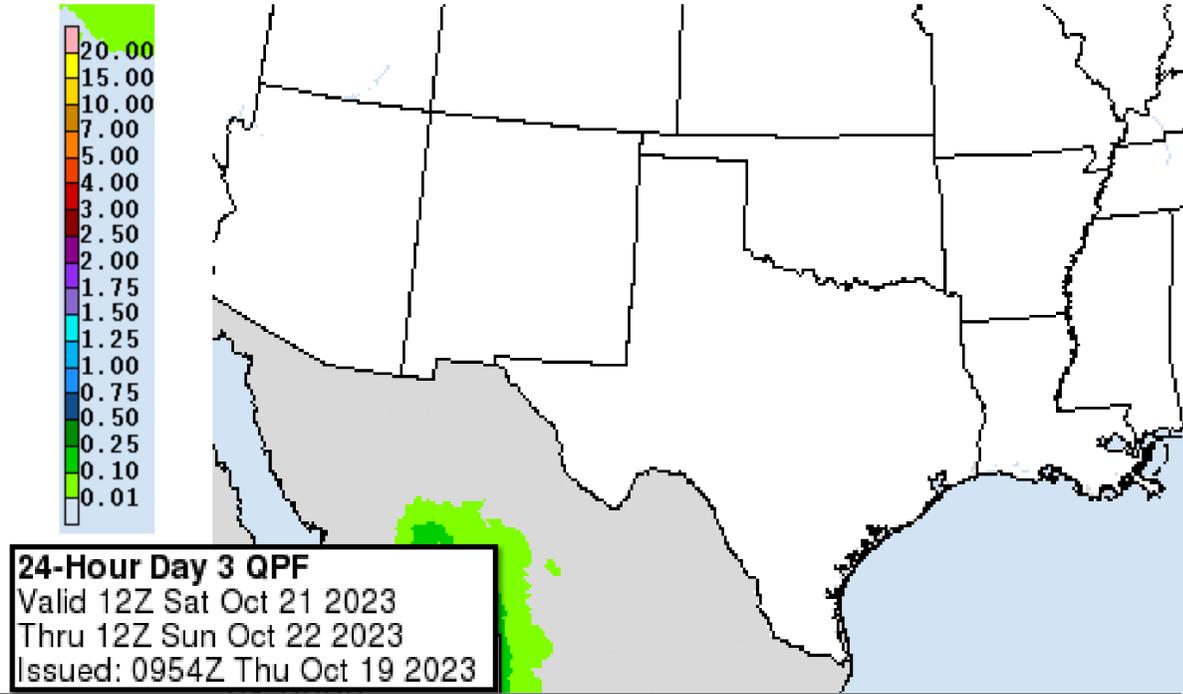


# Saturday's Weather

## Forecast Chart

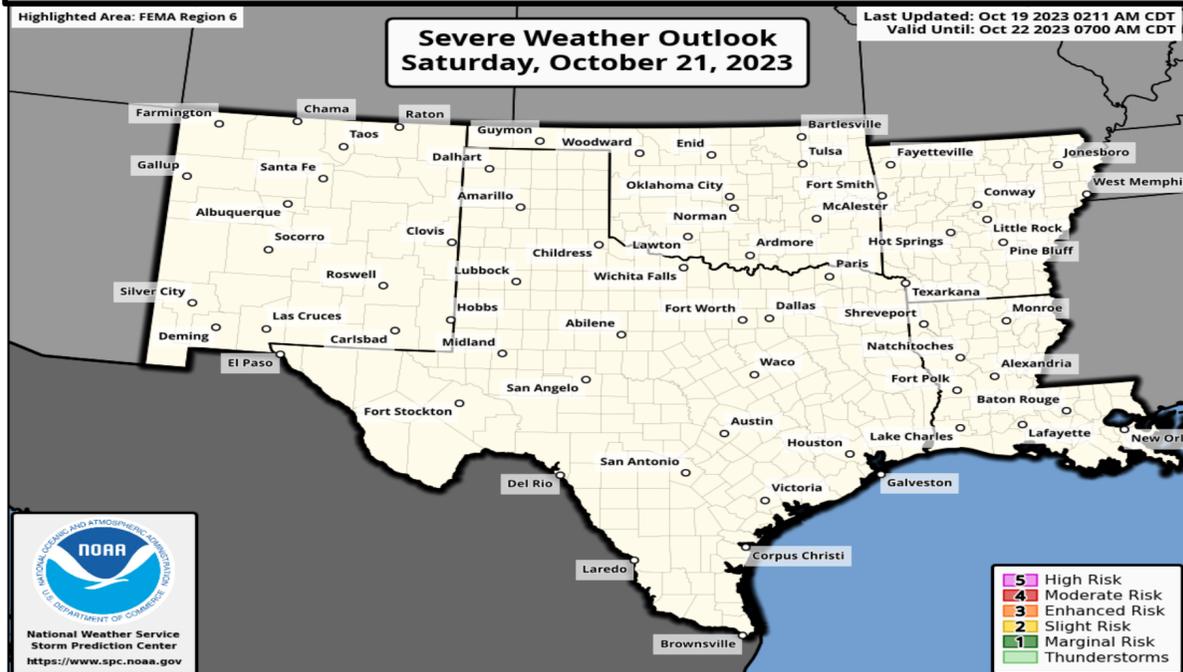


## Forecast Rainfall

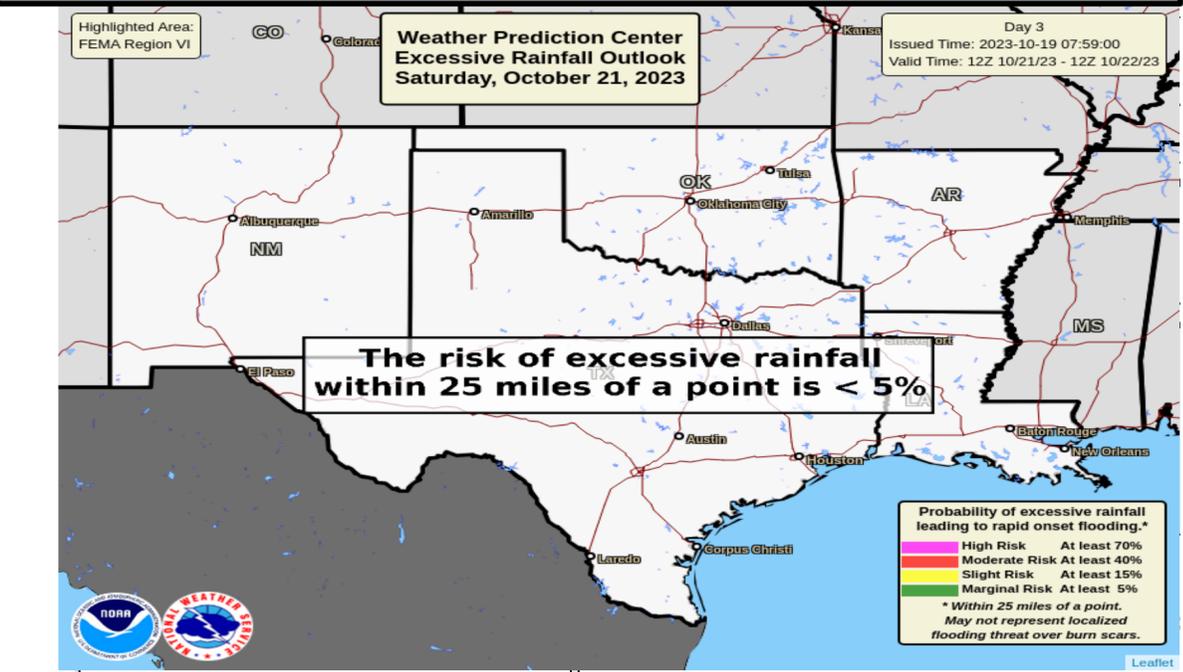


**Elevated wildfire threat across TX and W OK.**

## Severe Weather Outlook



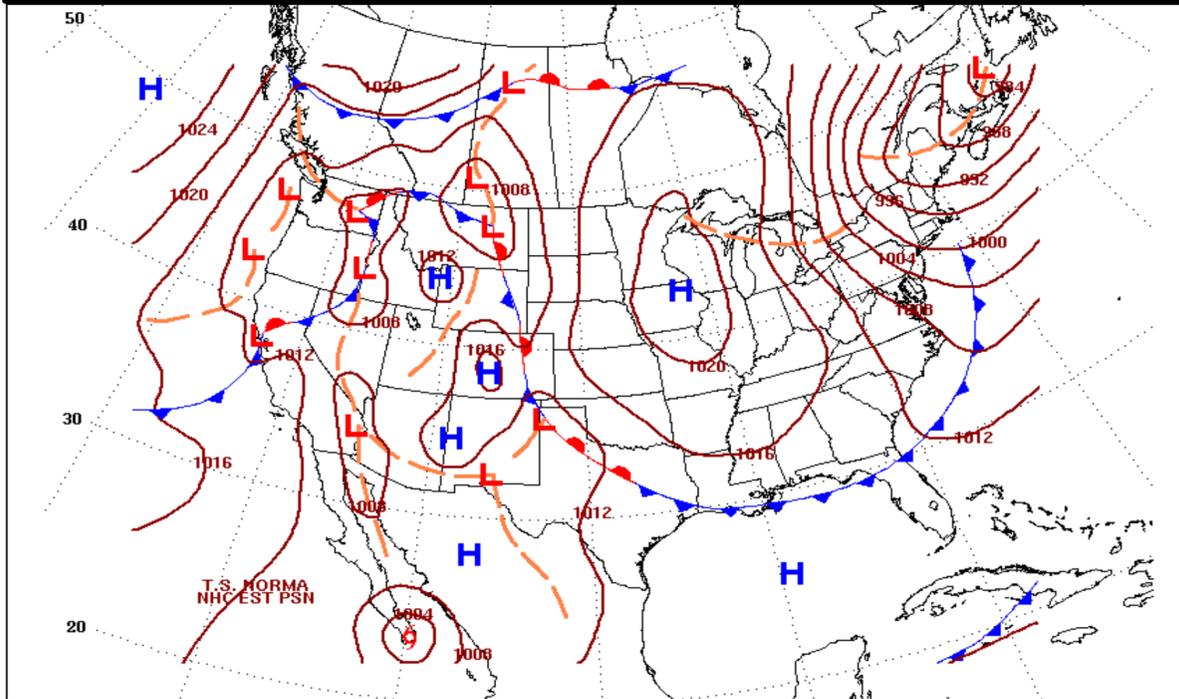
## Excessive Rainfall Outlook



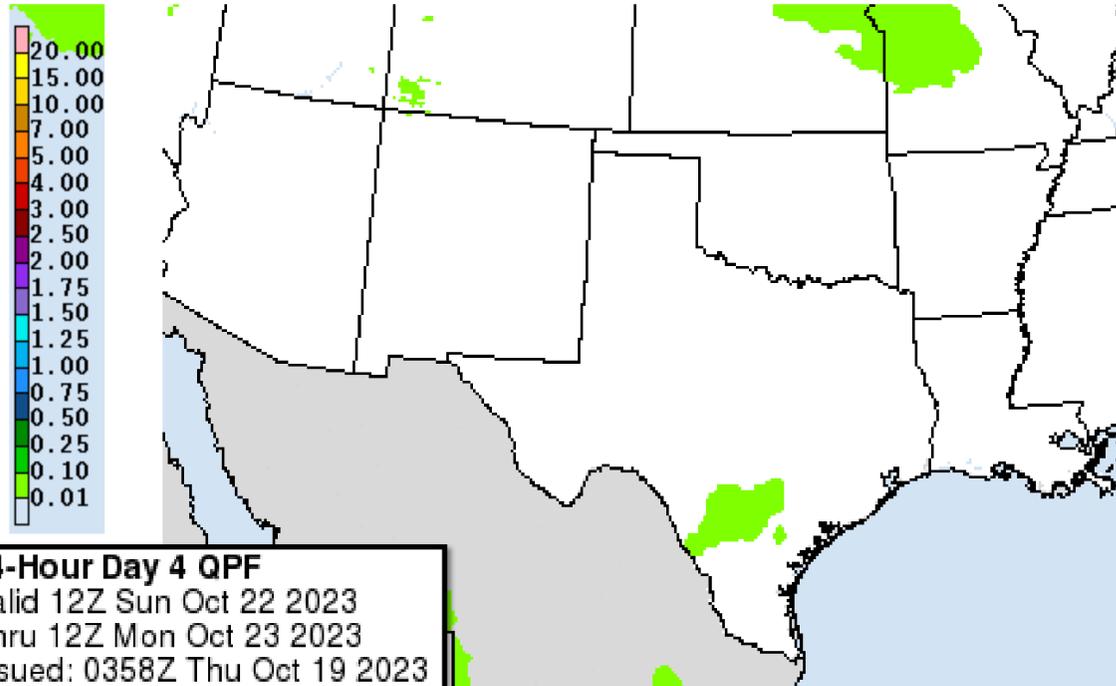


# Sunday's Weather

## Forecast Chart



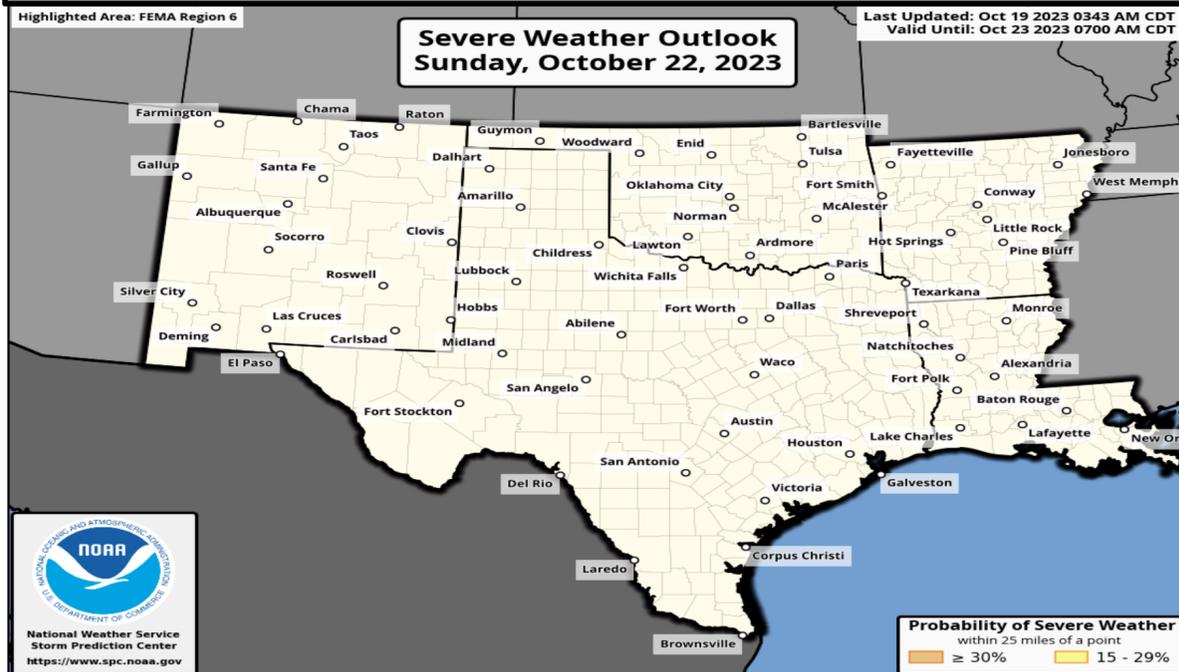
## Forecast Rainfall



**Elevated wildfire threat across TX.**

**24-Hour Day 4 QPF**  
Valid 12Z Sun Oct 22 2023  
Thru 12Z Mon Oct 23 2023  
Issued: 0358Z Thu Oct 19 2023

## Severe Weather Outlook



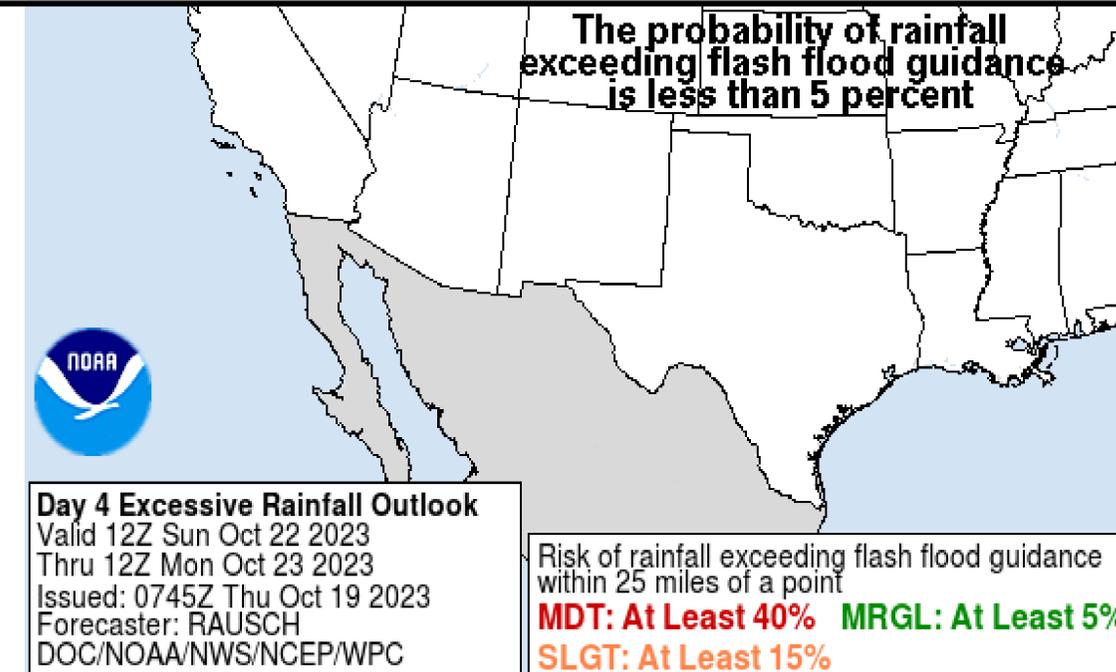
**Severe Weather Outlook**  
Sunday, October 22, 2023

Last Updated: Oct 19 2023 0343 AM CDT  
Valid Until: Oct 23 2023 0700 AM CDT



**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



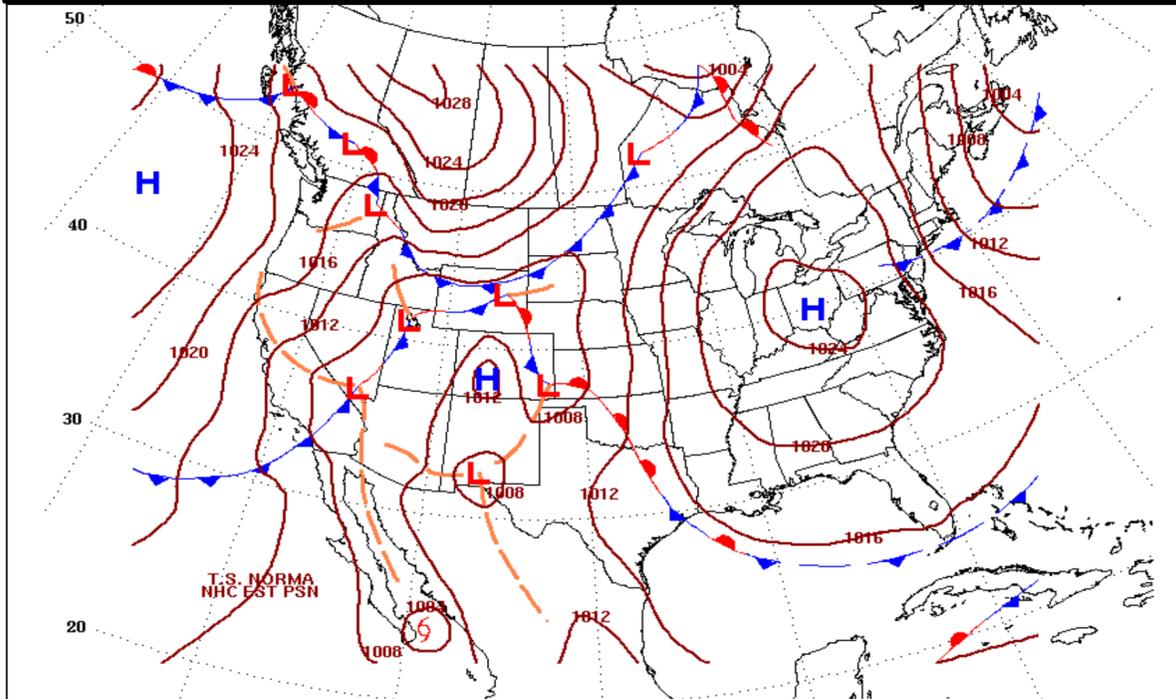
**Day 4 Excessive Rainfall Outlook**  
Valid 12Z Sun Oct 22 2023  
Thru 12Z Mon Oct 23 2023  
Issued: 0745Z Thu Oct 19 2023  
Forecaster: RAUSCH  
DOC/NOAA/NWS/NCEP/WPC

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%**

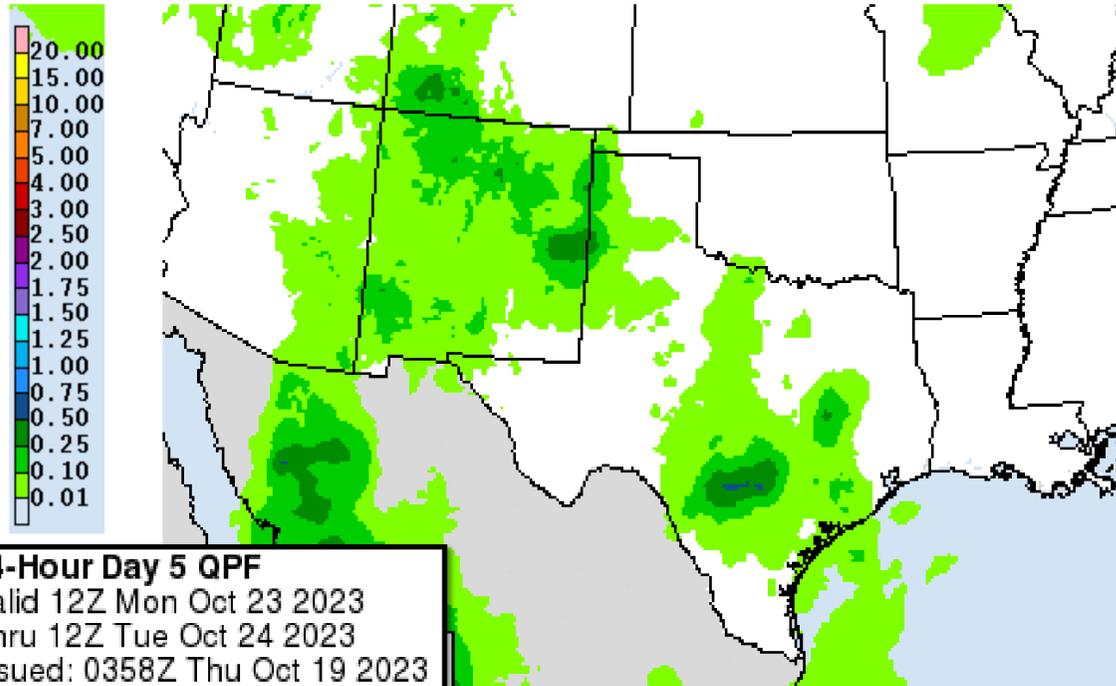


# Monday's Weather

## Forecast Chart



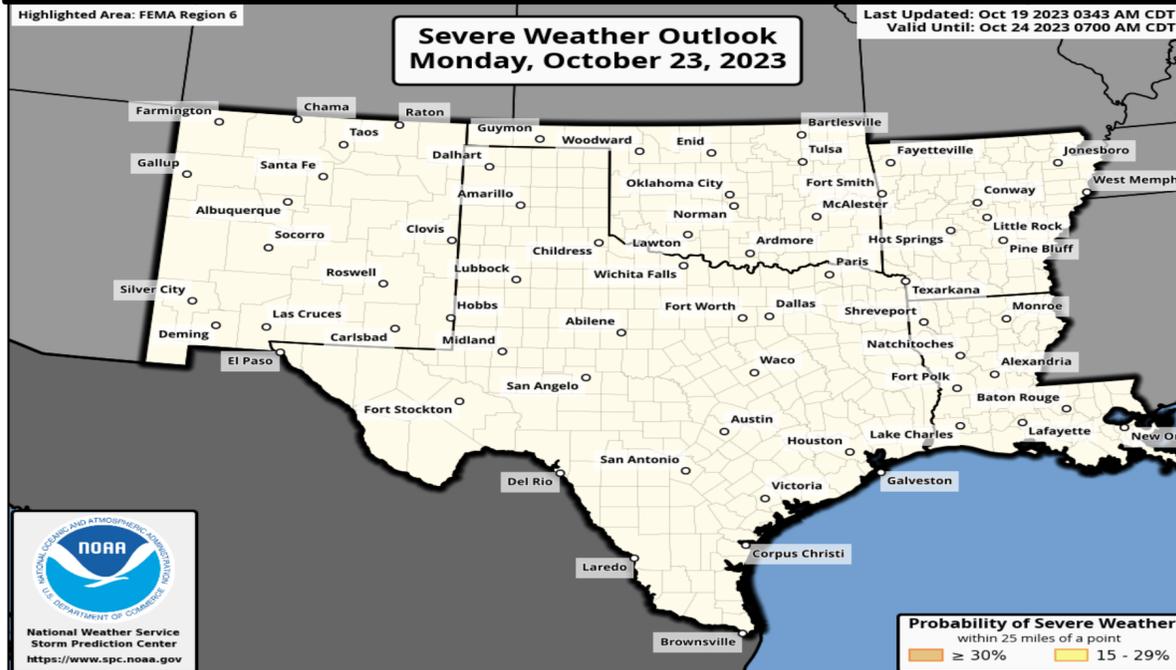
## Forecast Rainfall



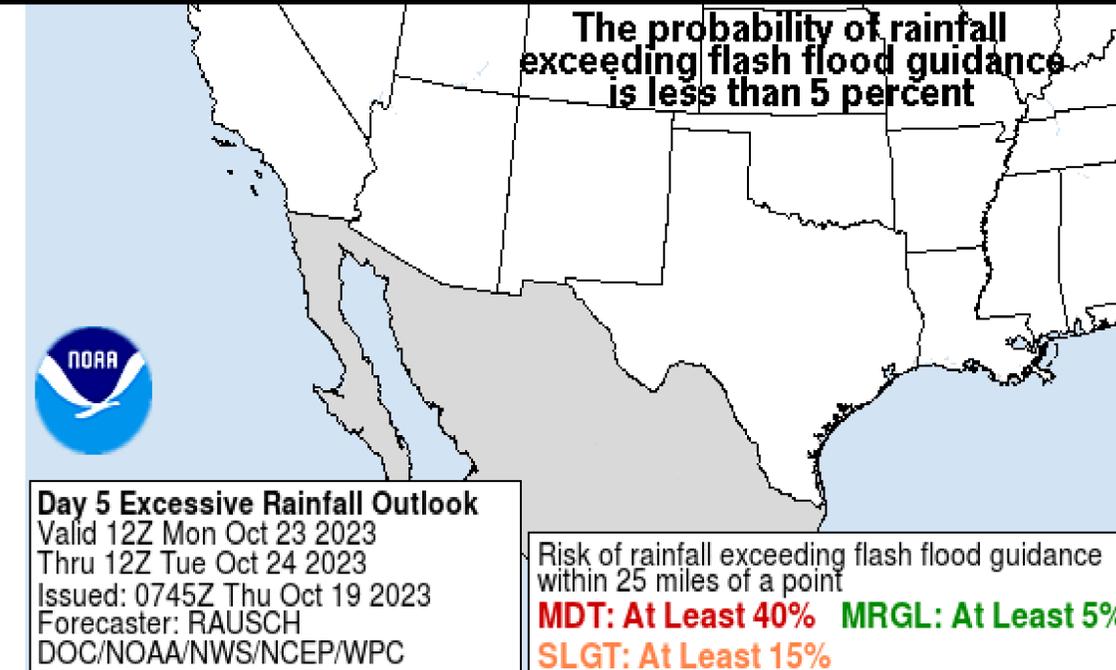
No significant weather expected.

24-Hour Day 5 QPF  
Valid 12Z Mon Oct 23 2023  
Thru 12Z Tue Oct 24 2023  
Issued: 0358Z Thu Oct 19 2023

## Severe Weather Outlook



## Excessive Rainfall Outlook



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

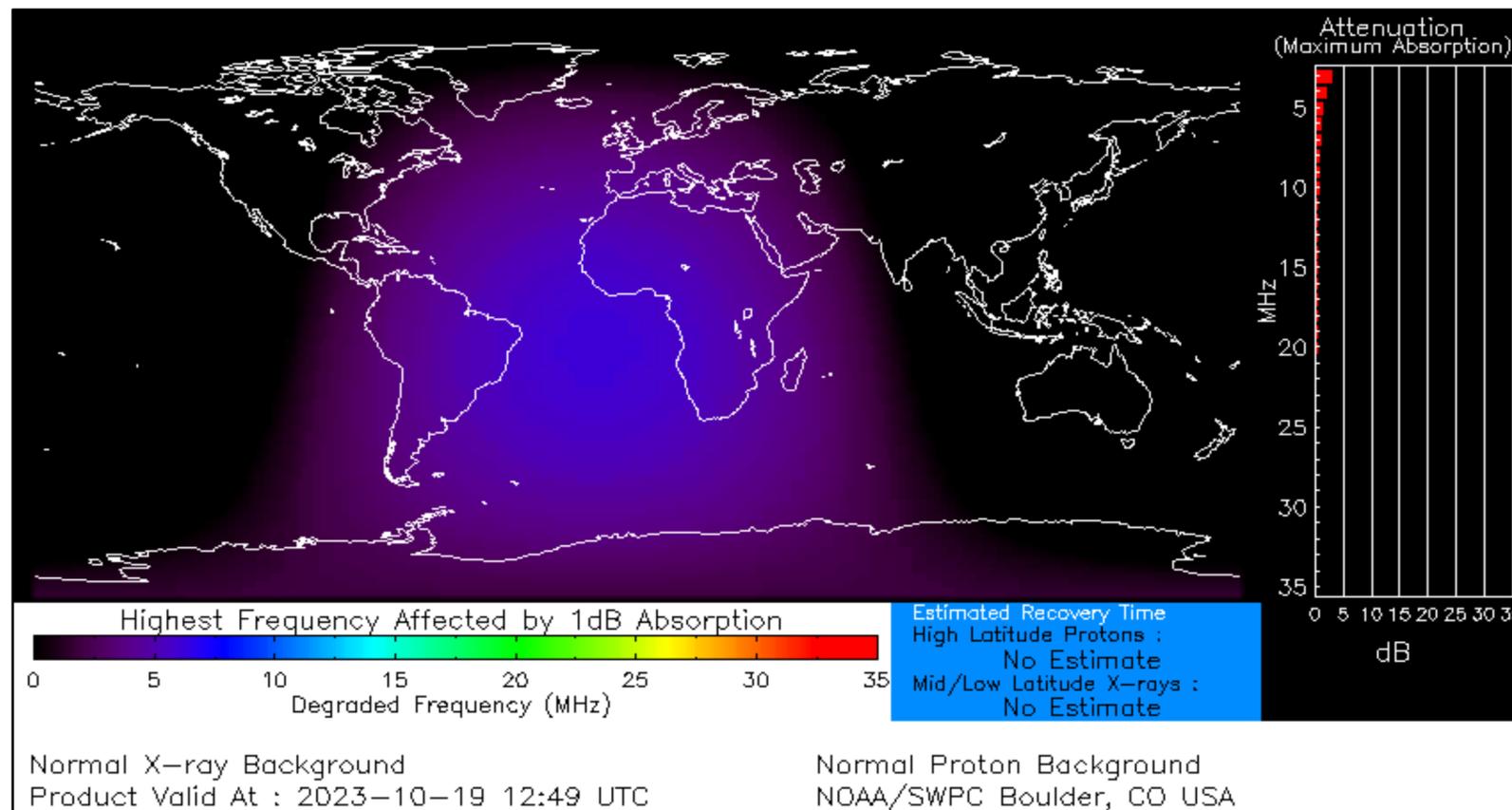
Day 5 Excessive Rainfall Outlook  
Valid 12Z Mon Oct 23 2023  
Thru 12Z Tue Oct 24 2023  
Issued: 0745Z Thu Oct 19 2023  
Forecaster: RAUSCH  
DOC/NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point  
**MDT: At Least 40%** **MRGL: At Least 5%**  
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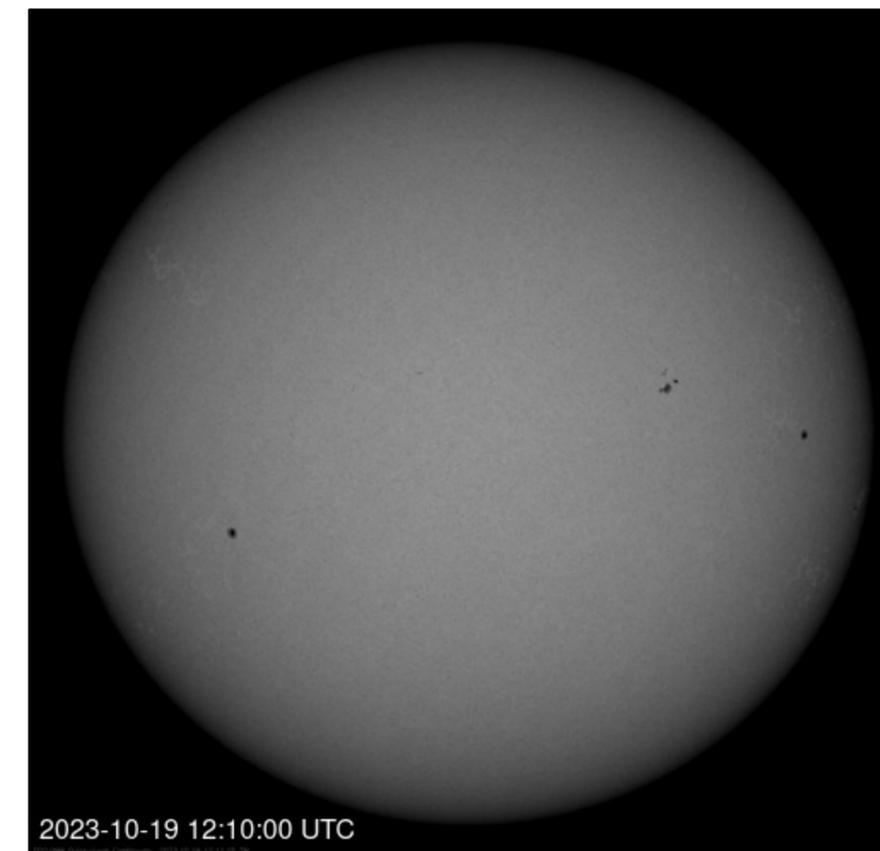
# Space Weather 3-Day Forecast

	Thursday	Friday	Saturday
<b>Geomagnetic Storms</b>	<b>Minor (G1) Storm (Max Kp = 5)</b>	<b>Minor (G1) Storm (Max Kp = 5)</b>	<b>Active (Max Kp = 4)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	5%	5%	5%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[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](mailto: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;"><b>Very Common</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 sea breeze storms in coastal TX</li> </ul>
Yellow	<p style="text-align: center;"><b>Somewhat Common – Happens Frequently</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>Uncommon – A Few Times a Year</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>Rare – Once every 1-5 Years</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>Very Rare – Once Every 5-10 Years</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)