



# FEMA



Prepared by  
*Mark Wiley*

# FEMA Region 6 Weather Threat Briefing

Friday, July 04

**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).



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

National Weather Service  
Southern Region



# Summary

- **Flash Flooding:**
  - **Slight risk (level 2 of 4) today over w-cntrl TX with a locally higher risk where very high rainfall rates occur. Marginal risk (level 1 of 4) over cntrl TX tomorrow.**
  - **Moderate risk (level 2 of 4) over the NM burn scar areas on Sunday; Moderate to Major risk (levels 2-3 of 4) on Monday.**
- **River Flooding:** **Major flooding along the Guadalupe and San Saba Rivers west of I-35 today. Moderate to major flooding along the Rio Grande in the TX Big Bend area.**
- **Tropical:** **An tropical disturbance may form later this week along the southeastern US coast. This system has a 60% of development in the next 48 hours and 60% chance over the next 7 days. No impacts to FEMA 6 expected.**





# FEMA Region 6 Threat Matrix

Next 7 days

	Friday, Jul 4	Saturday, Jul 5	Sunday, Jul 6	Monday, Jul 7	Tuesday, Jul 8	Wednesday, Jul 9	Thursday, Jul 10
Severe Storms	OK, TX Panhandles	OK, TX Panhandles, NE NM	OK, TX Panhandles, NE NM				
Heavy Rain / Flash Flooding	Cntrl TX	Cntrl TX	TX/OK Panhandles, E NM	NM, N AR	NM, W TX		
Burn Scars			NM	S NM			
				NM			
Fire Weather							
Tropical							
Heat							
River Flooding	W Cntrl TX	W Cntrl TX, SE TX, E AR	SE TX, E AR				

*\*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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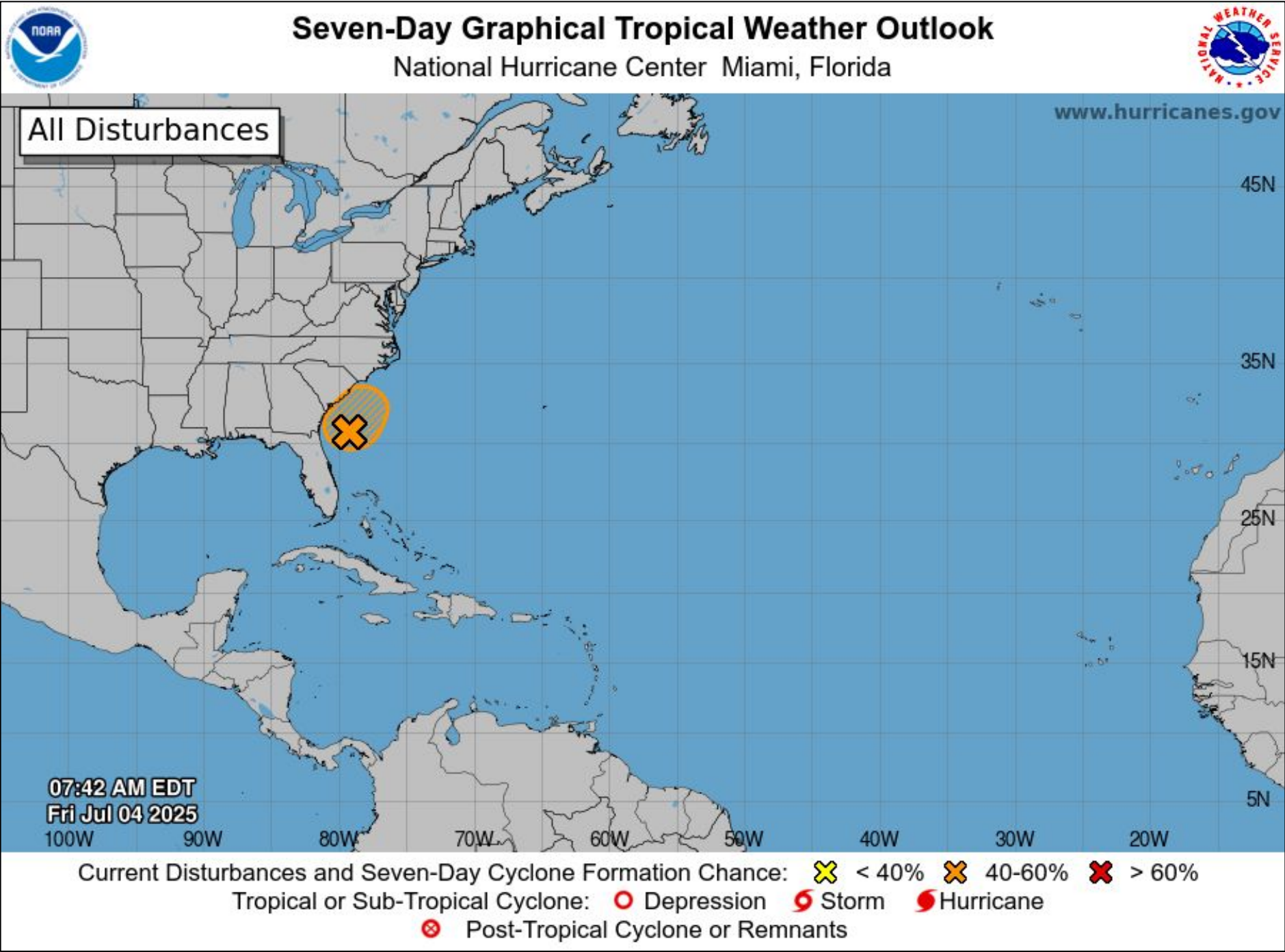
# Tropical Weather Outlook – Atlantic/Gulf

## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Medium	No impacts to FEMA 6.

## Active Tropical Cyclones

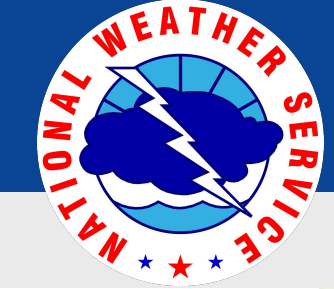
Storm	Potential Impacts to FEMA 6



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

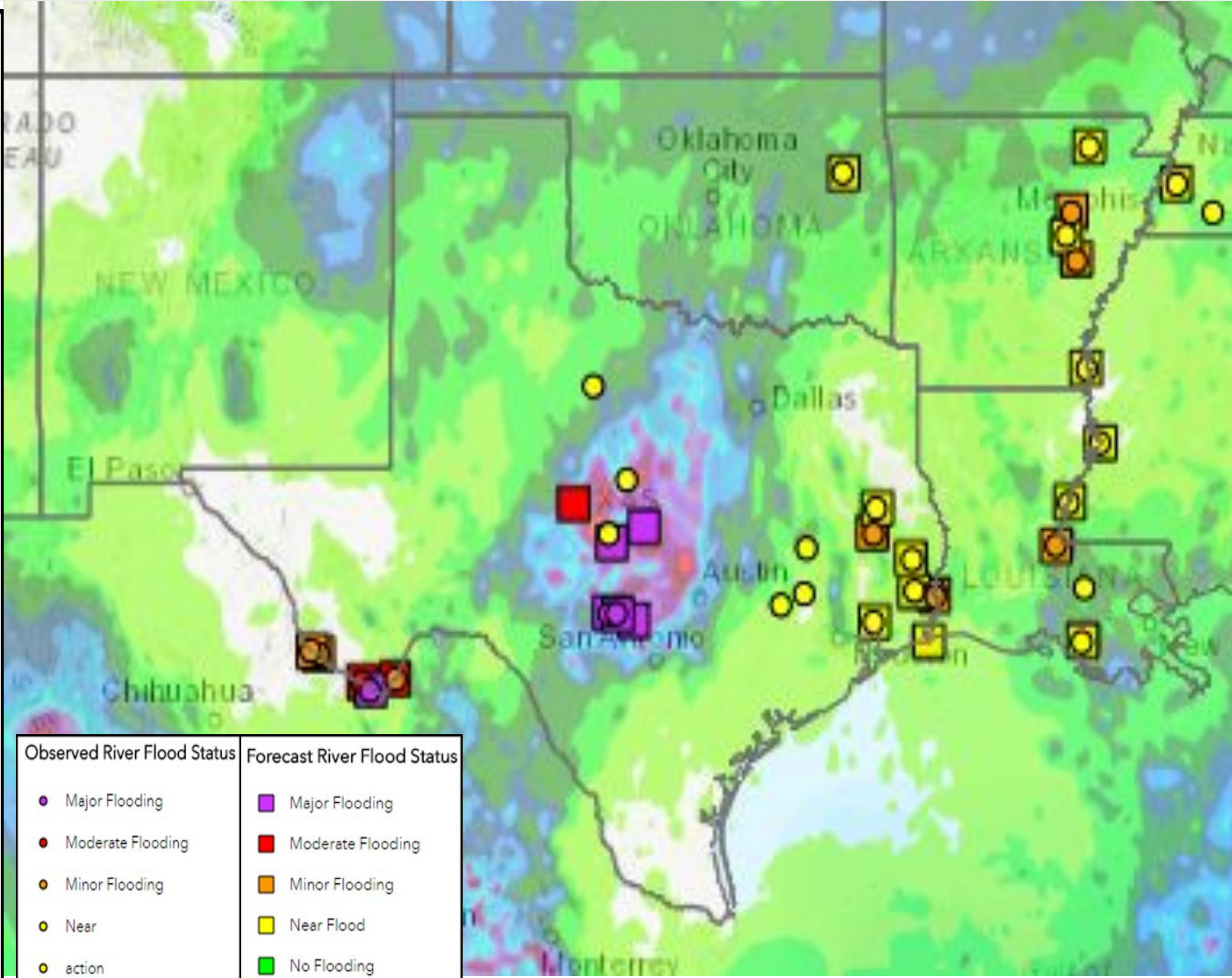
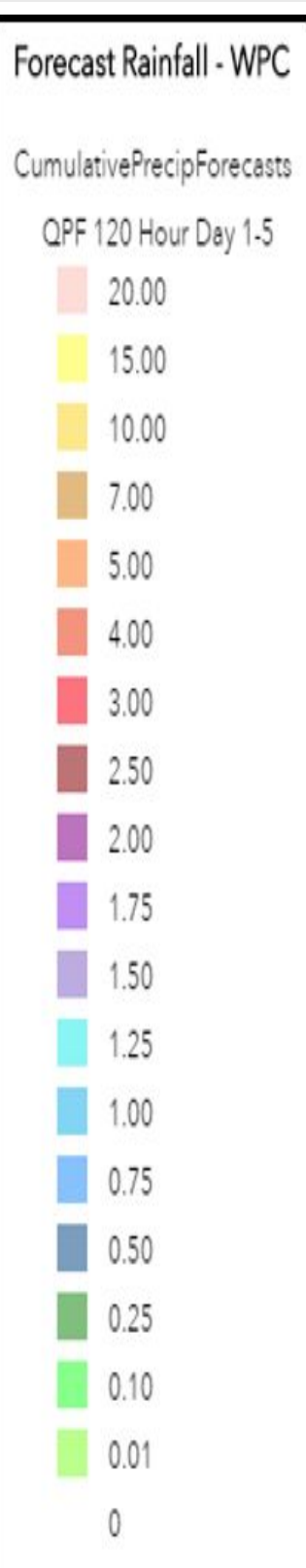






# 5-Day Precipitation Forecast & River Flood Status

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



**Major flooding along the Guadalupe and San Saba Rivers west of I-35 today. Moderate to major flooding along the Rio Grande in the TX Big Bend area. Extensive flooding to homes/buildings in Kerrville and Comfort, TX**

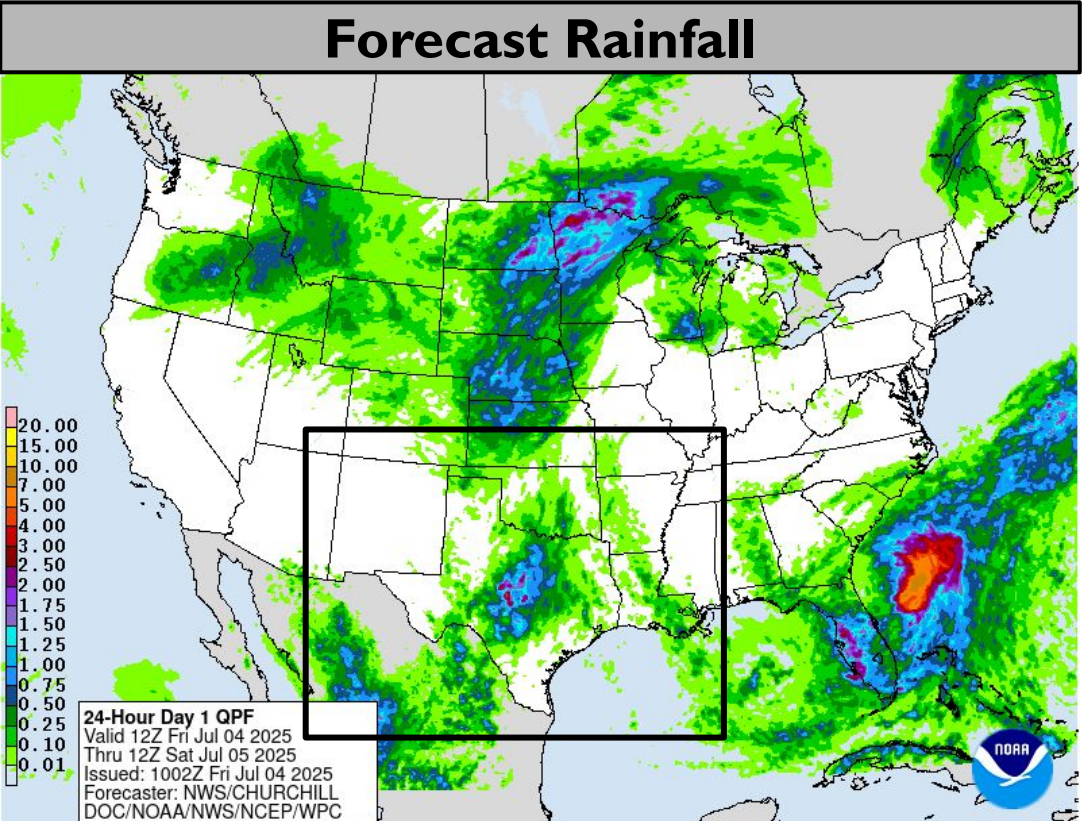
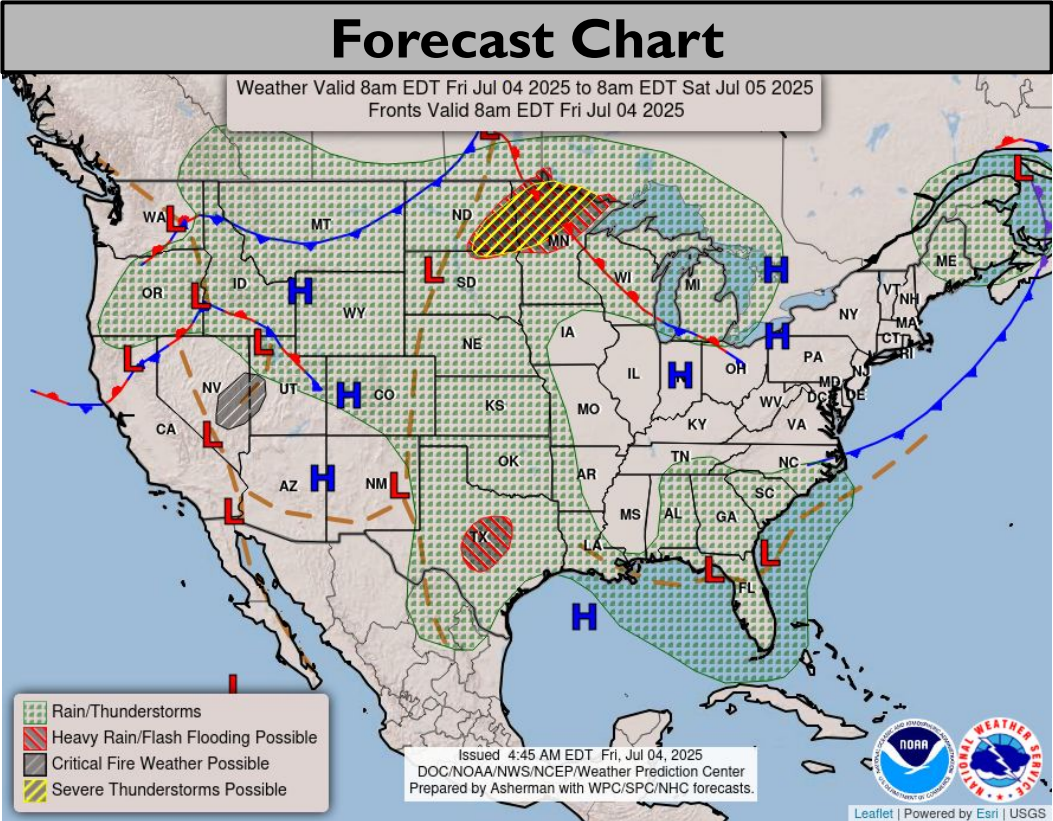
*Note: Numerical levels (e.g. level 1 of 4) will not be assigned to riverine flooding due to the varying levels of impacts across flood categories.*





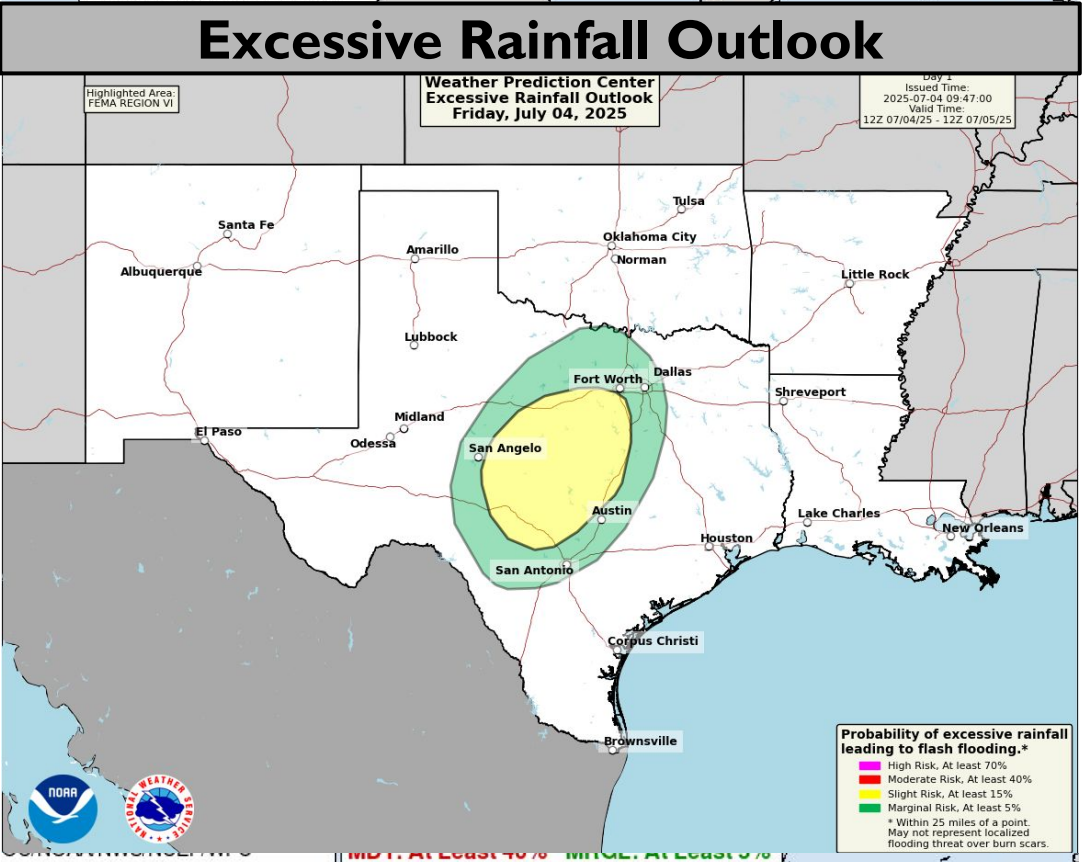
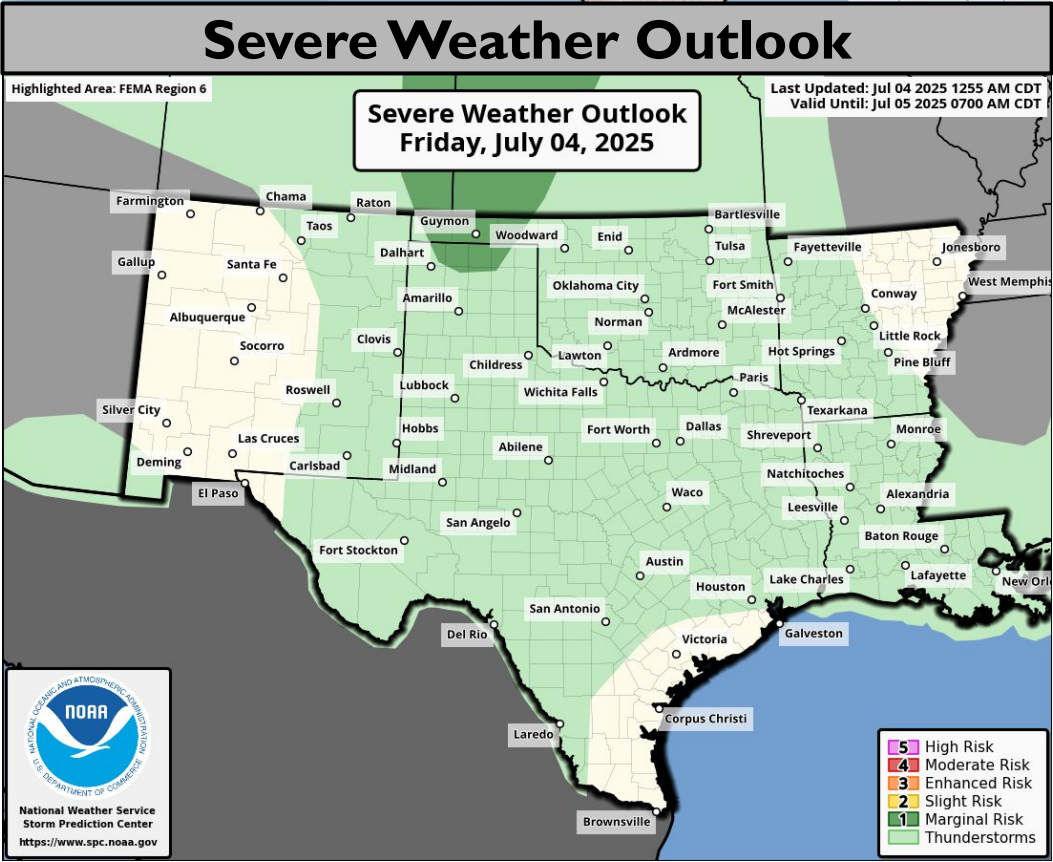


# Today's Weather



**Slight risk (level 2 of 4) for flash flooding in W-Cntrl TX with higher threat where very high rainfall rates occur.**

**Marginal risk (level 1 of 5) for severe storms over the OK/TX Panhandles.**



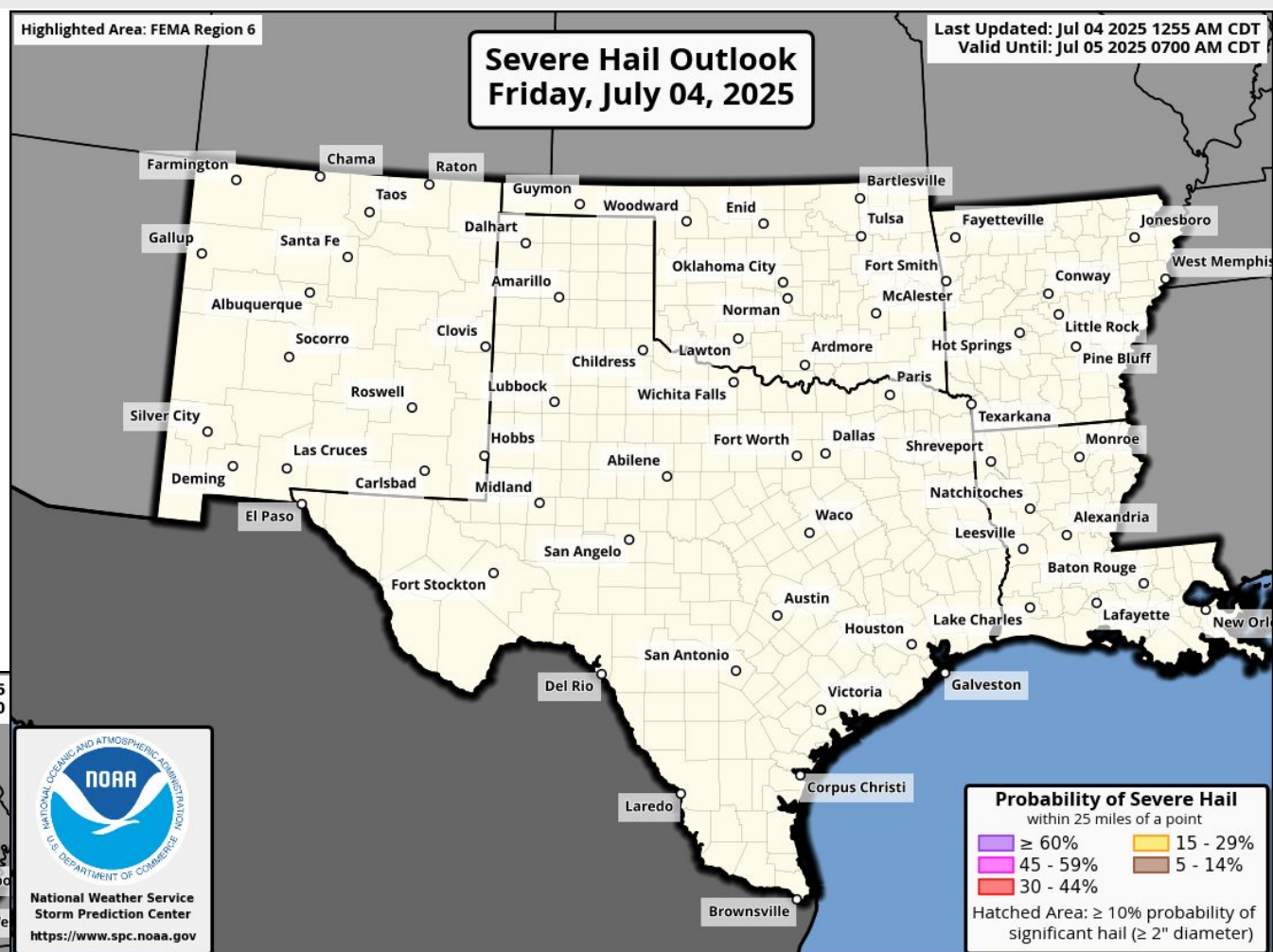
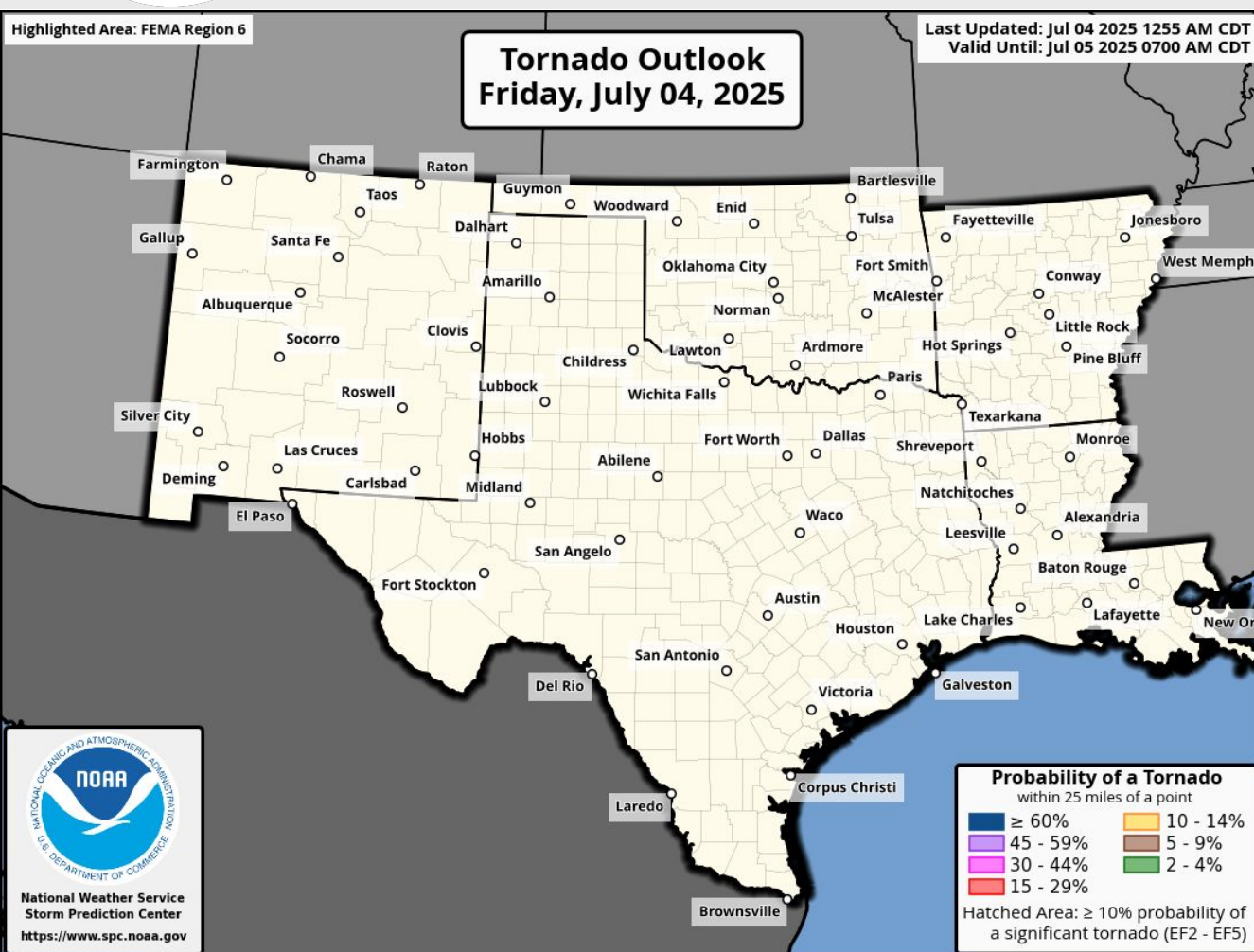
***\*Burn Scar Flash Flooding information on Burn Scar Matrix slides\****







# Today's Tornado & Severe Wind / Hail Probabilities



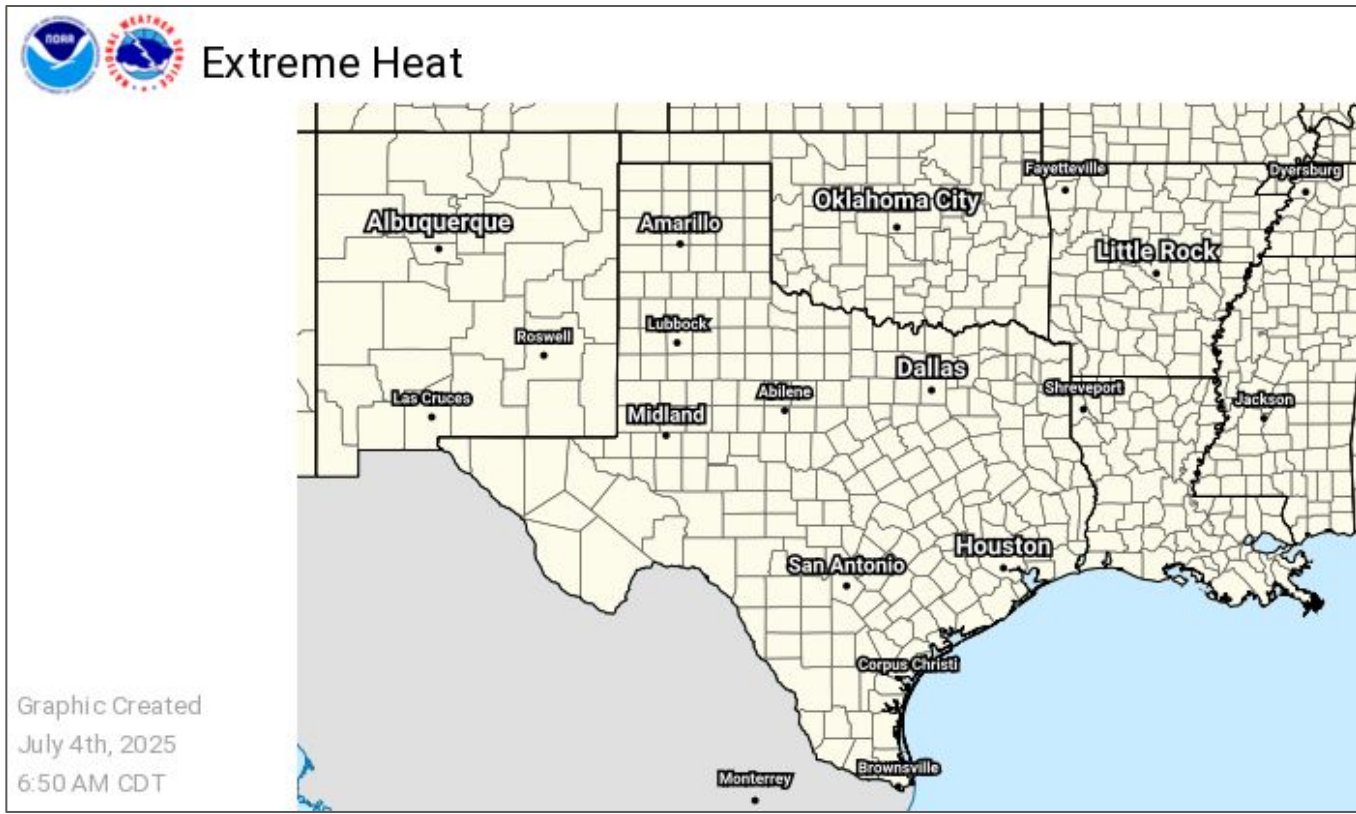
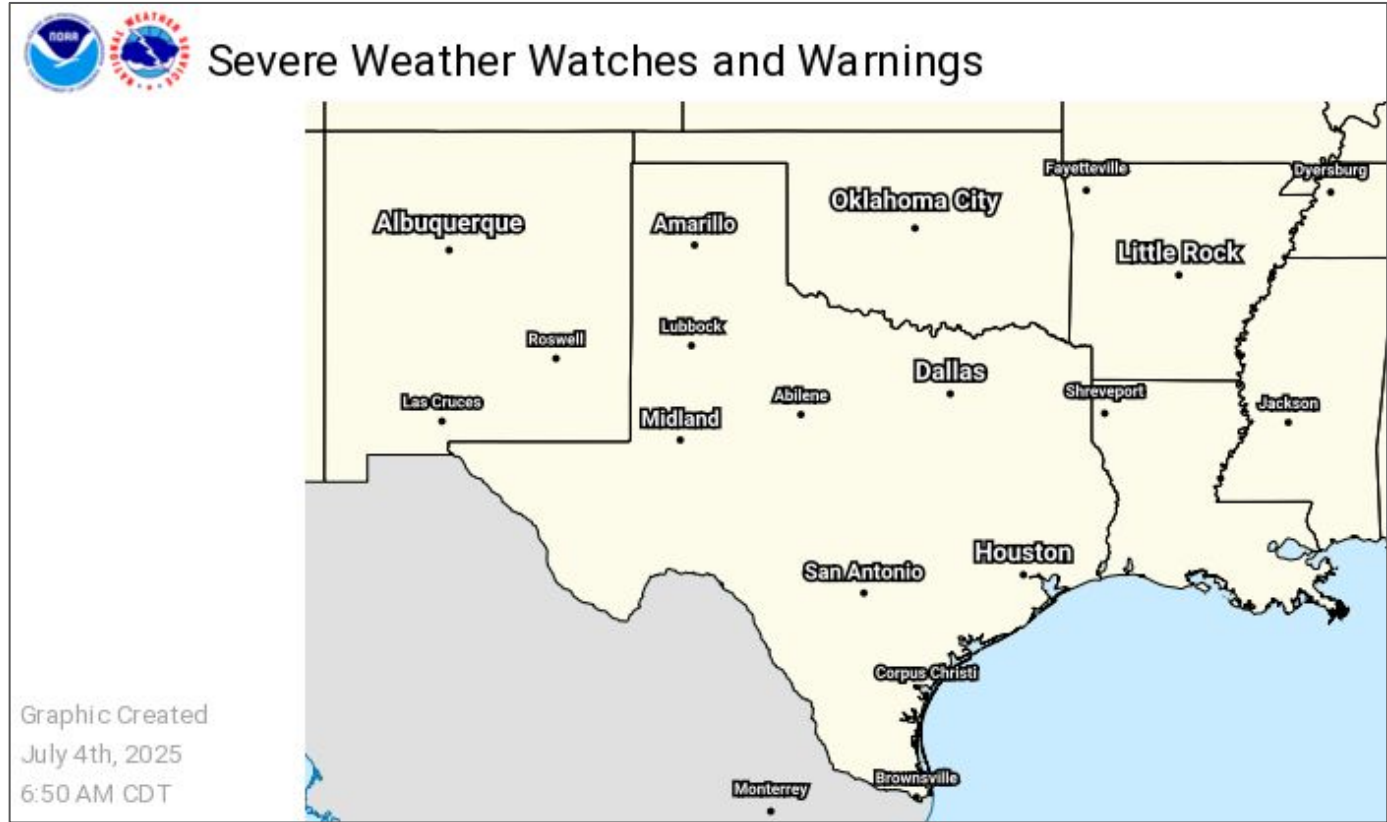




# Watches, Warnings, and Advisories

Wind, Severe, Heat, and Flood Hazards

**Flood Watch through 1 PM over W Cntrl TX**



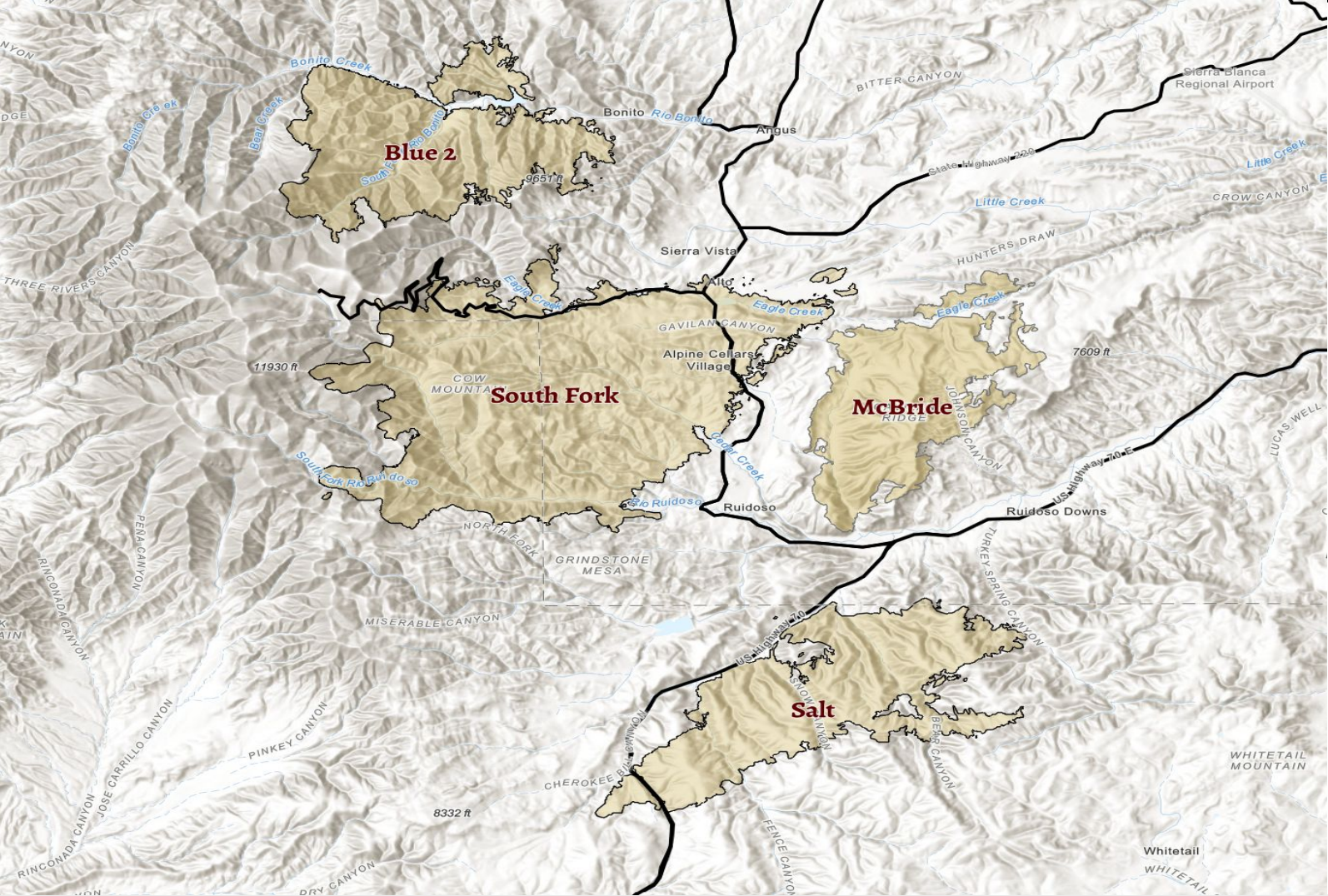




# Burn Scar Debris Flow Risk - Ruidoso, New Mexico

## Sacramento Complex

	Friday, Jul 4	Saturday, Jul 5	Sunday, Jul 6	Monday, Jul 7
Flash Flooding			Moderate	Major
Timing - CDT			Afternoon	Afternoon



Little to None	No Flash Flood Threat
Minor (level 1 of 4)	Slight Risk of Flash Flooding
Moderate (level 2 of 4)	Probability of Flash Flooding Issuance 40% to 60%
Major (level 3 of 4)	Flood Watch Issued OR Debris Flow Probability > 50%
Extreme (level 4 of 4)	Life Threatening Flash Flooding Likely - Historic Type Day
<ul style="list-style-type: none"><li>WPC's Excessive Rainfall Outlook is <i>Not Applicable</i> to burn scars.</li><li>*Note* 2nd year burn scars can be <u>more dangerous</u> than year 1.</li></ul>	



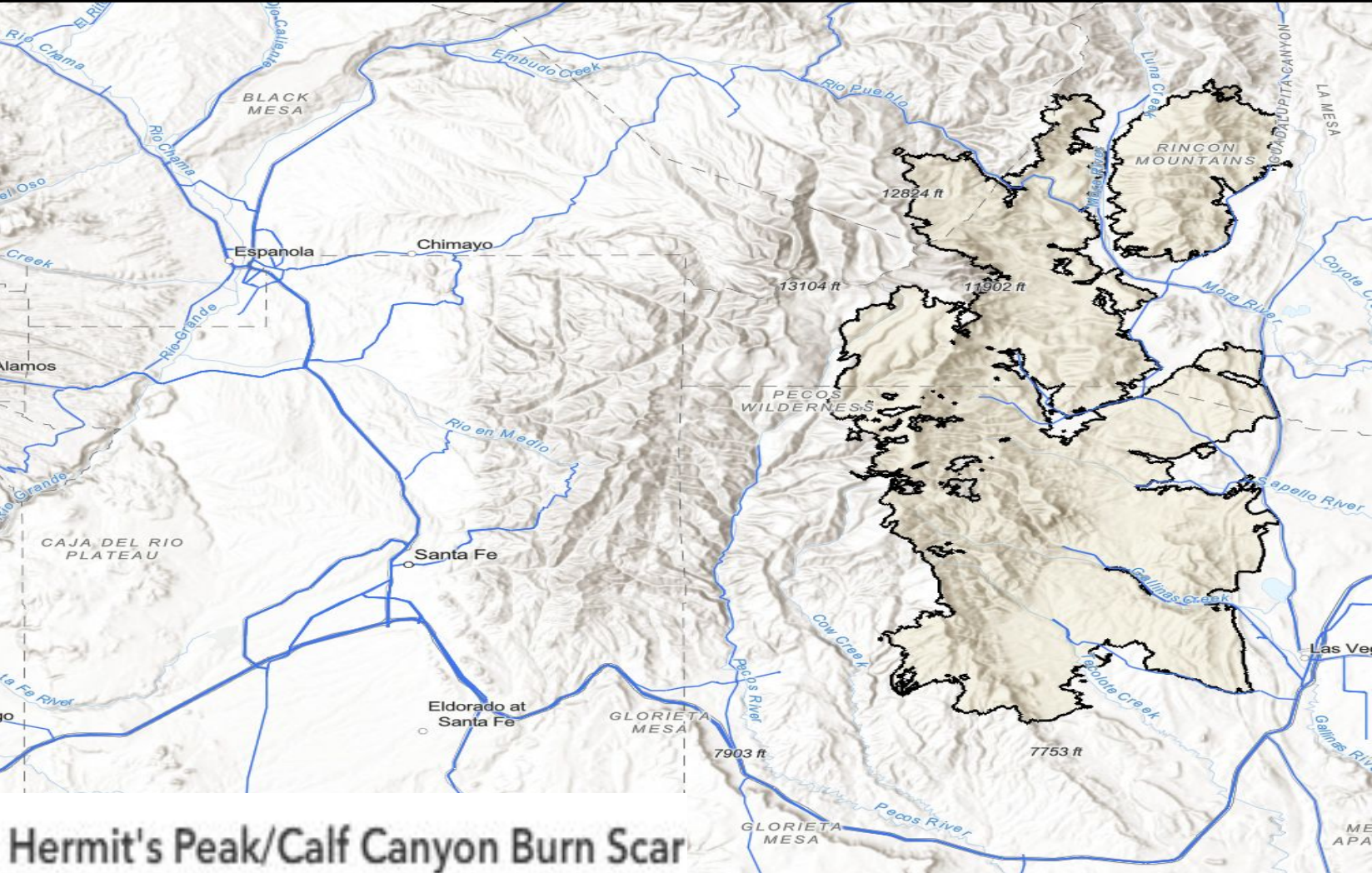




# Burn Scar Debris Flow Risk - HPCC Scars New Mexico

## Hermit's Peak/Calf Canyon Burn Scar

	Friday, Jul 4	Saturday, Jul 5	Sunday, Jul 6	Monday, Jul 7
Flash Flooding			Moderate	Moderate
Timing - CDT			Afternoon	Afternoon

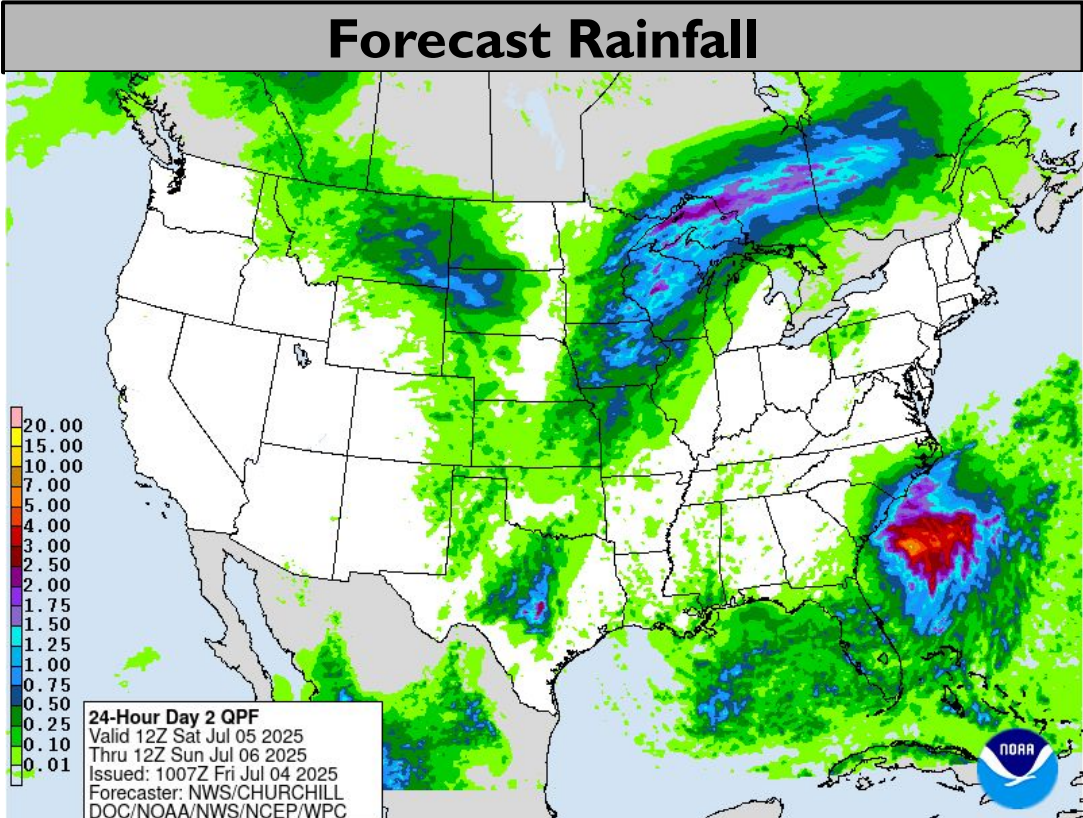
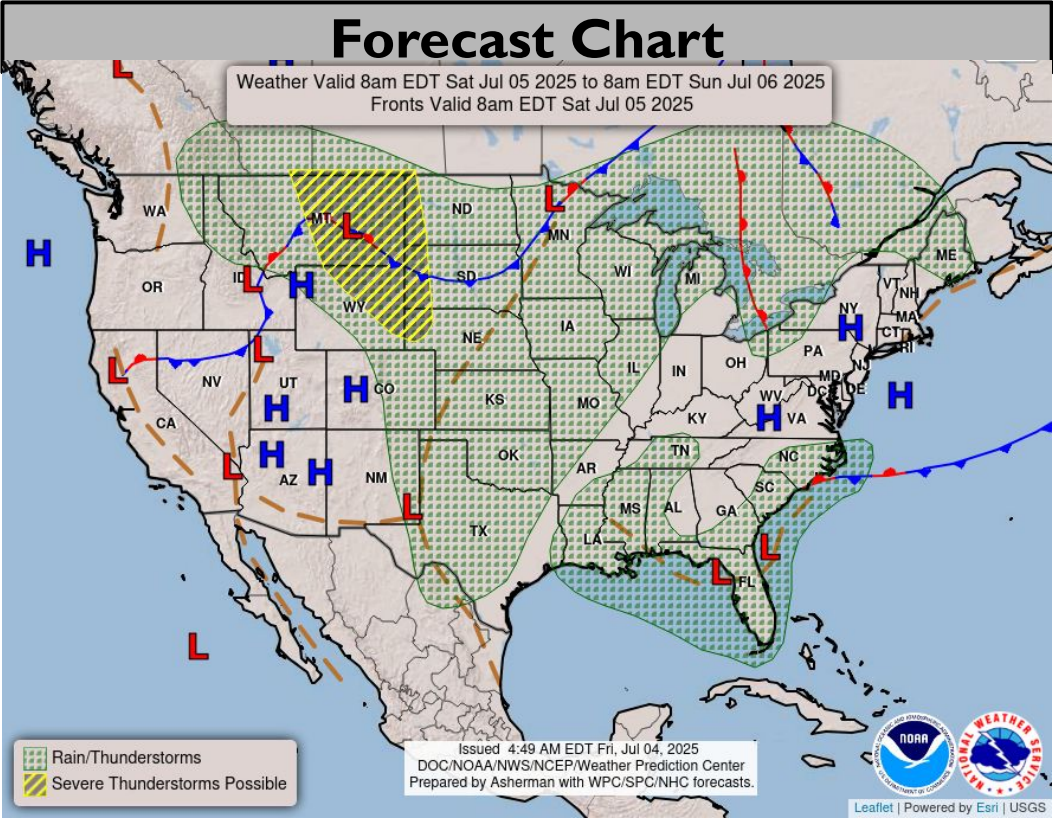


Little to None	No Flash Flood Threat
Minor (level 1 of 4)	Slight Risk of Flash Flooding
Moderate (level 2 of 4)	Probability of Flash Flooding Issuance 40% to 60%
Major (level 3 of 4)	Flood Watch Issued OR Debris Flow Probability > 50%
Extreme (level 4 of 4)	Life Threatening Flash Flooding Likely - Historic Type Day
<ul style="list-style-type: none"><li>WPC's Excessive Rainfall Outlook is <i>Not Applicable</i> to burn scars.</li></ul>	



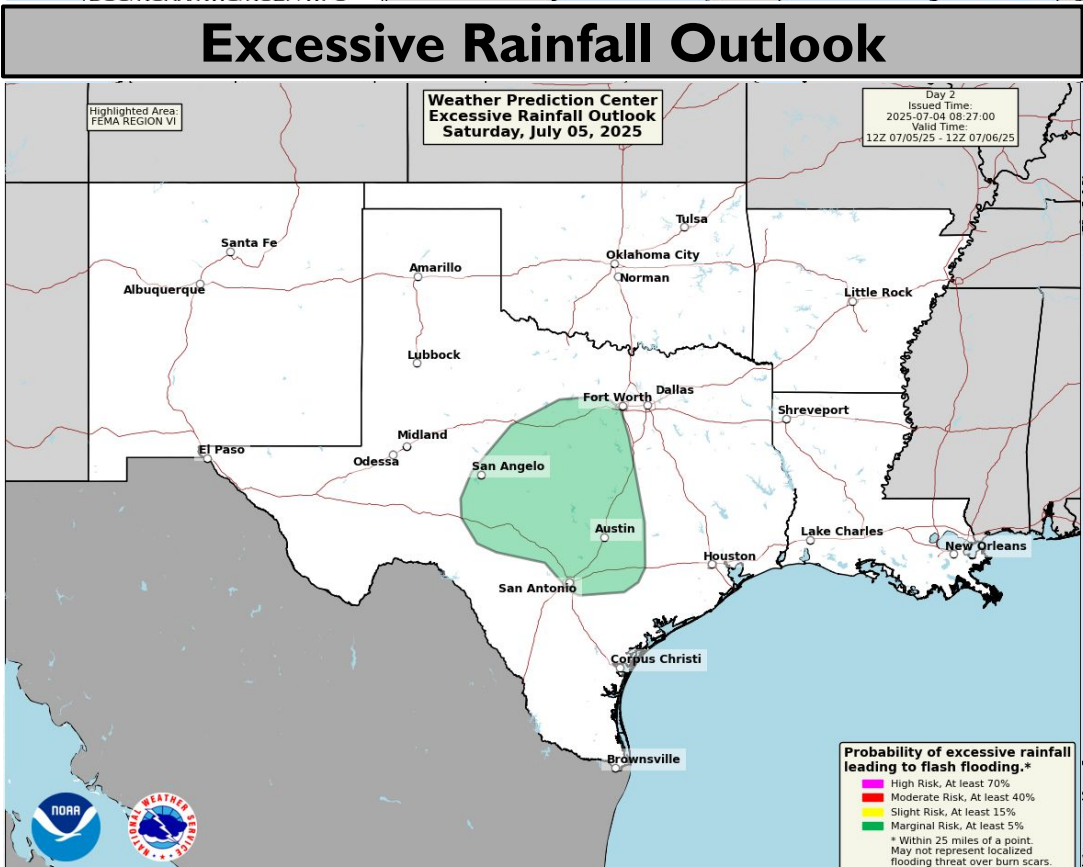
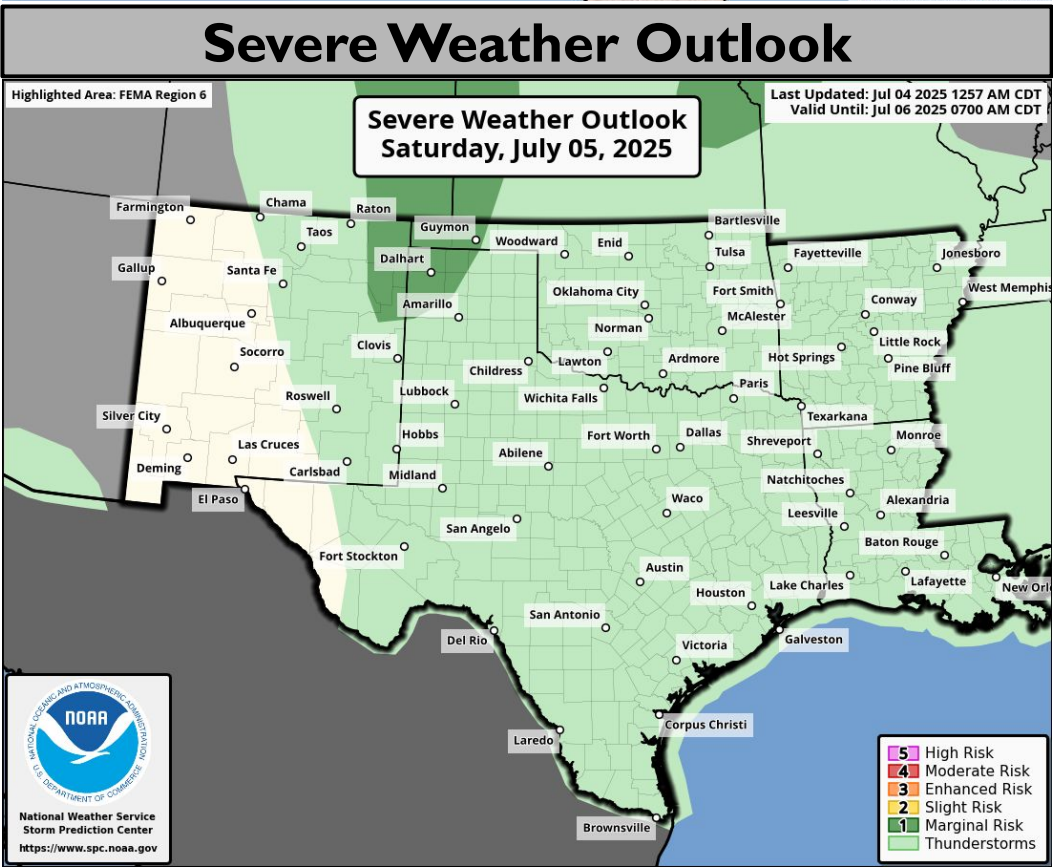


# Tomorrow's Weather



**Marginal risk (level 1 of 4) for flash flooding over Cntrl TX.**

**Marginal risk (level 1 of 5) for severe storms in NE NM, TX/OK Panhandles.**



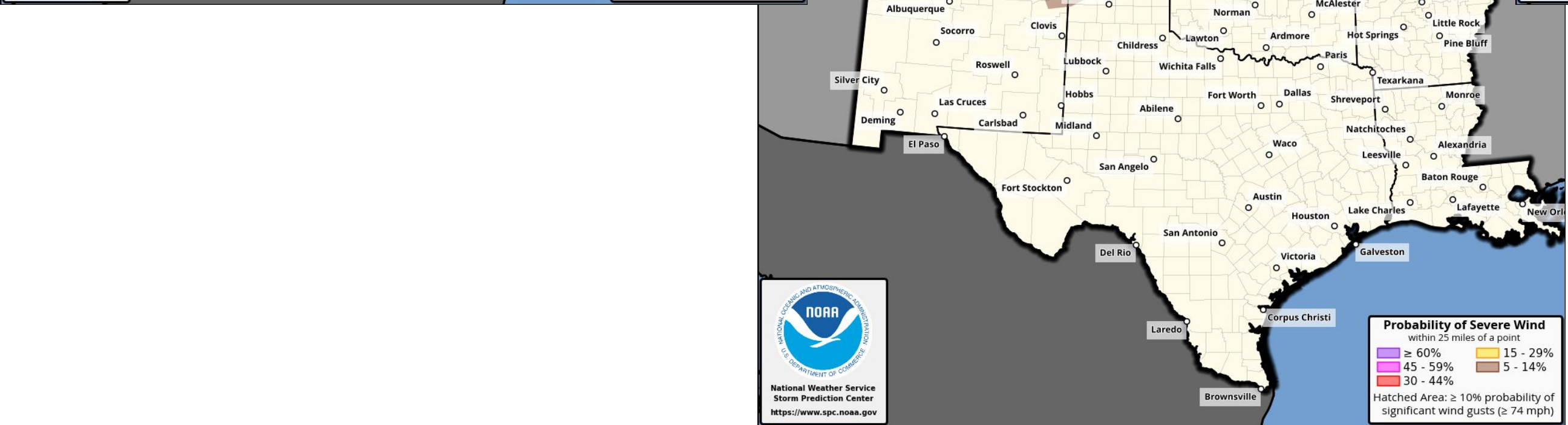
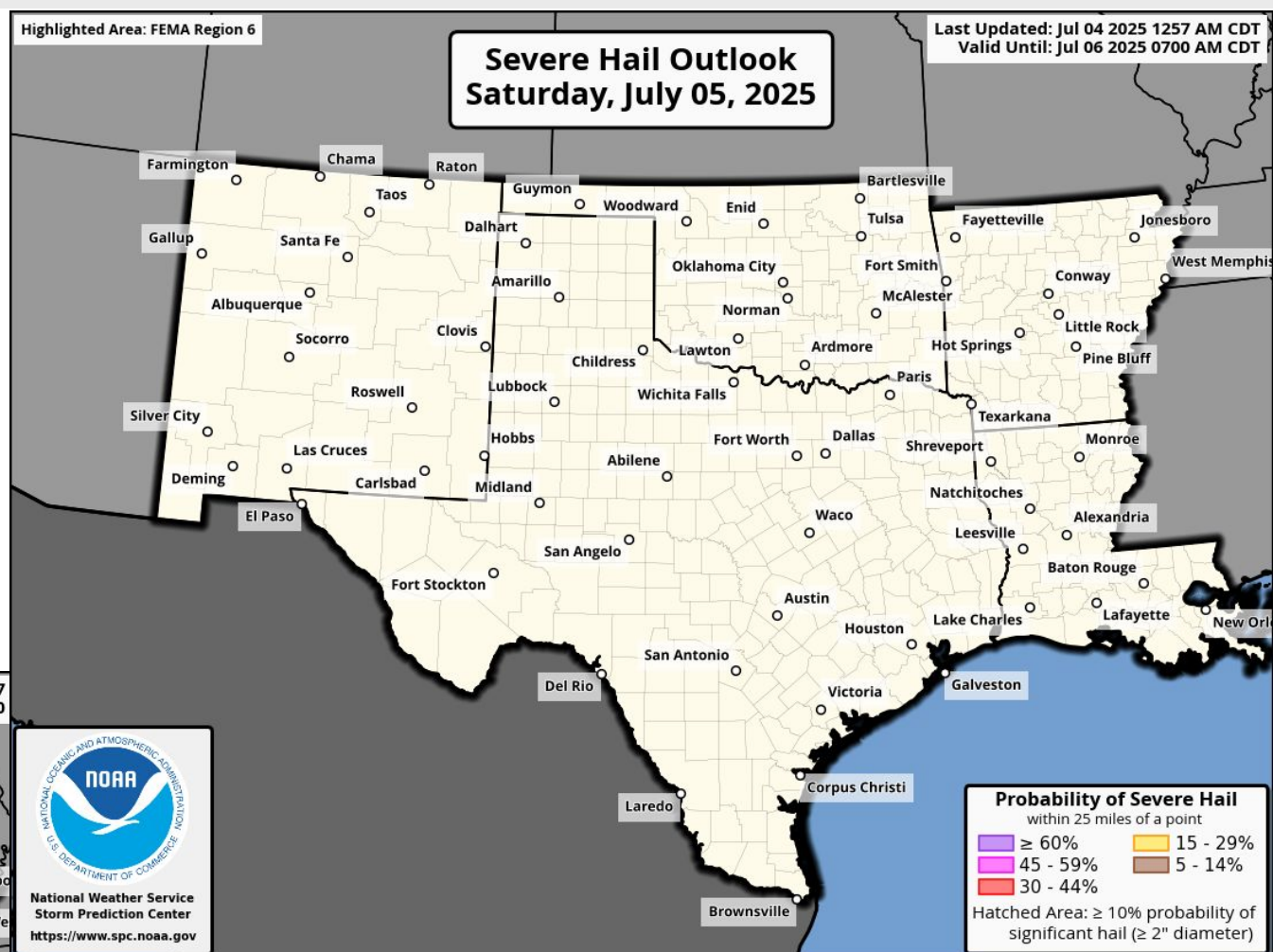
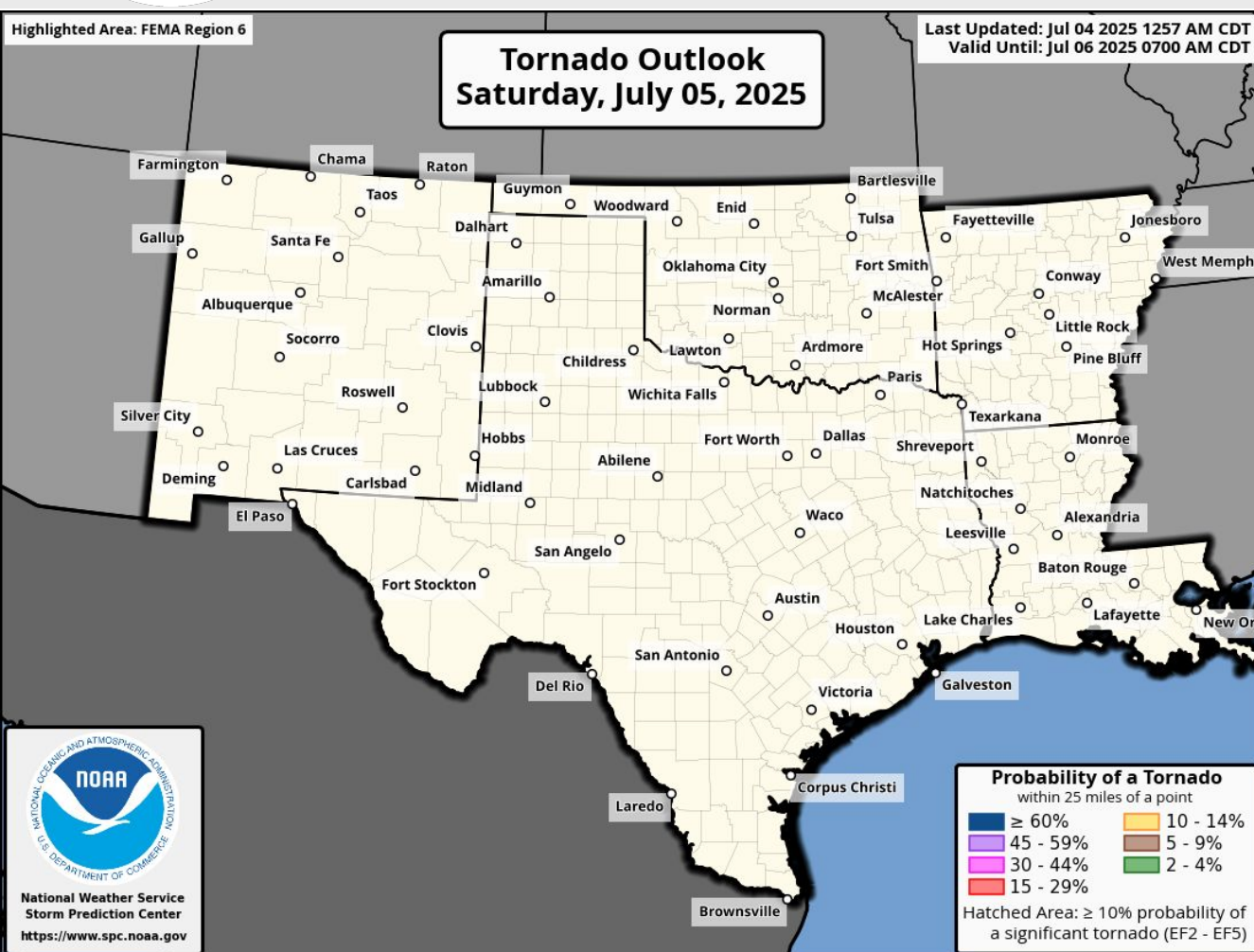
***\*Burn Scar Flash Flooding information on Burn Scar Matrix slides\****







# Tomorrow's Tornado & Severe Wind / Hail Probabilities

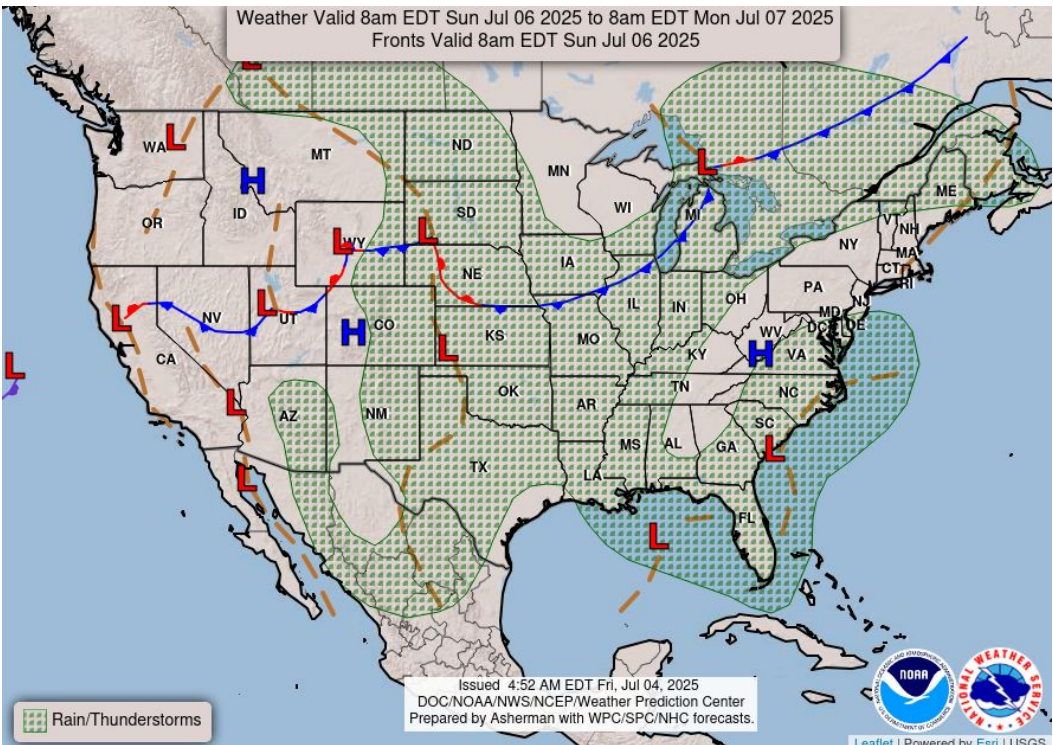




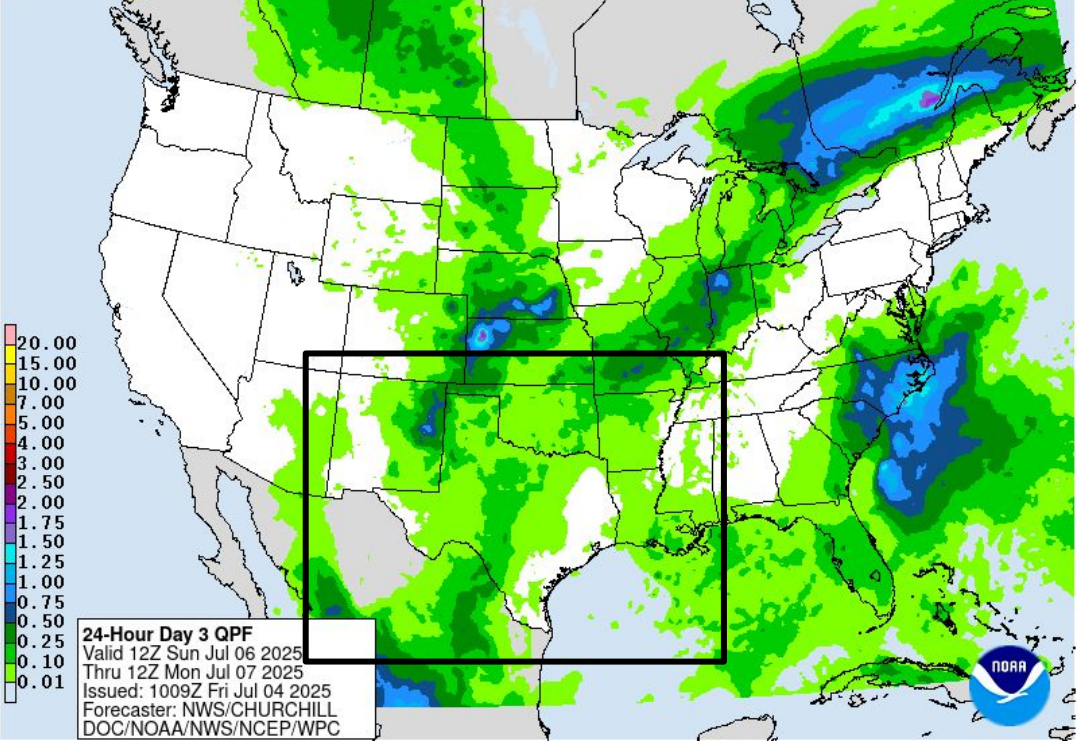


# Sunday's Weather

## Forecast Chart



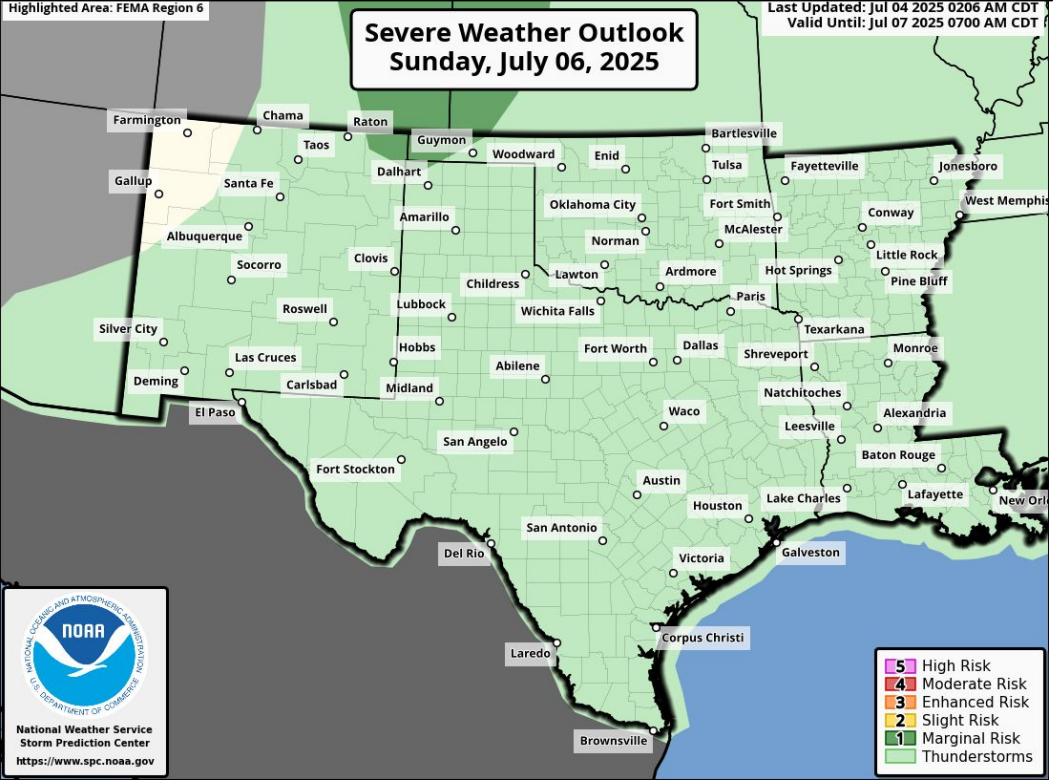
## Forecast Rainfall



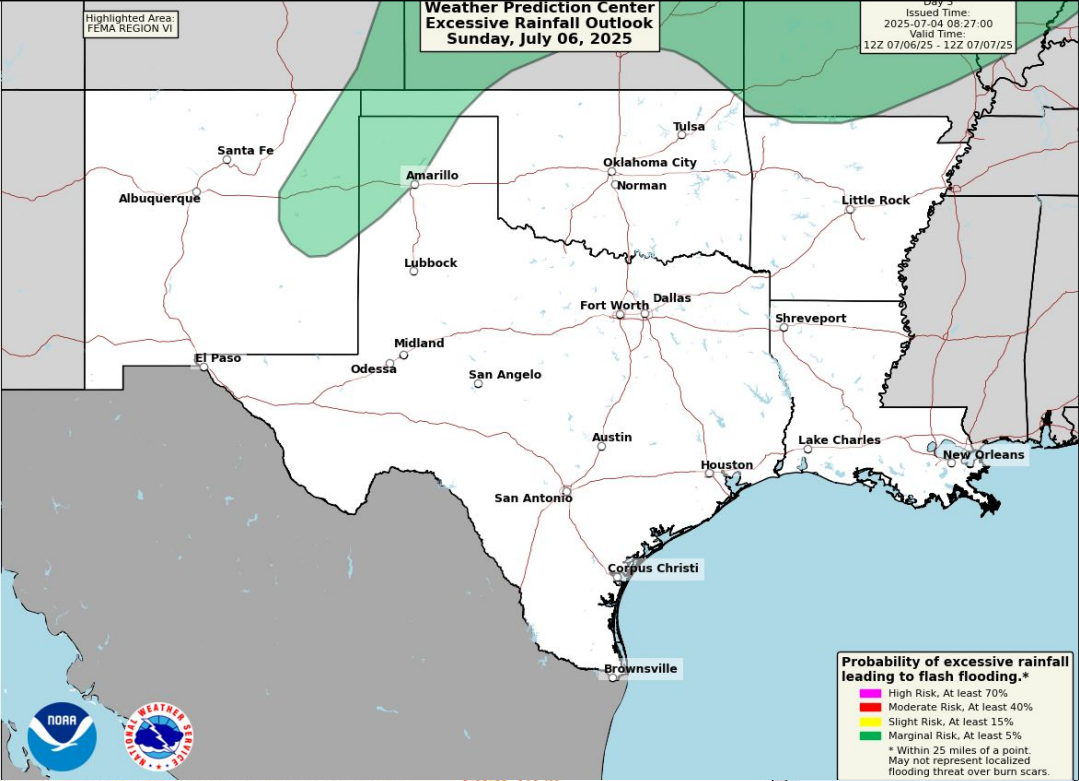
**Marginal risk (level 1 of 4) of flash flooding in NE NM, TX/OK Panhandles**

**Marginal risk for severe storms (level 1 of 5) over NE NM, TX/OK Panhandles**

## Severe Weather Outlook



## Excessive Rainfall Outlook



***\*Burn Scar Flash Flooding information on Burn Scar Matrix slides\****

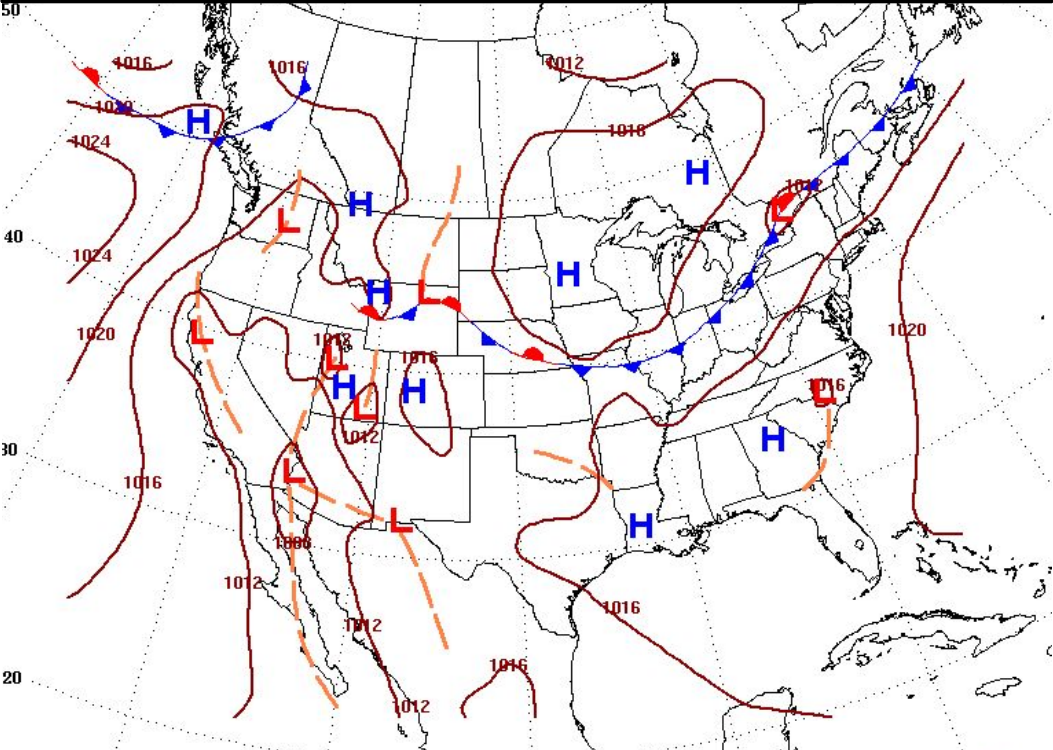




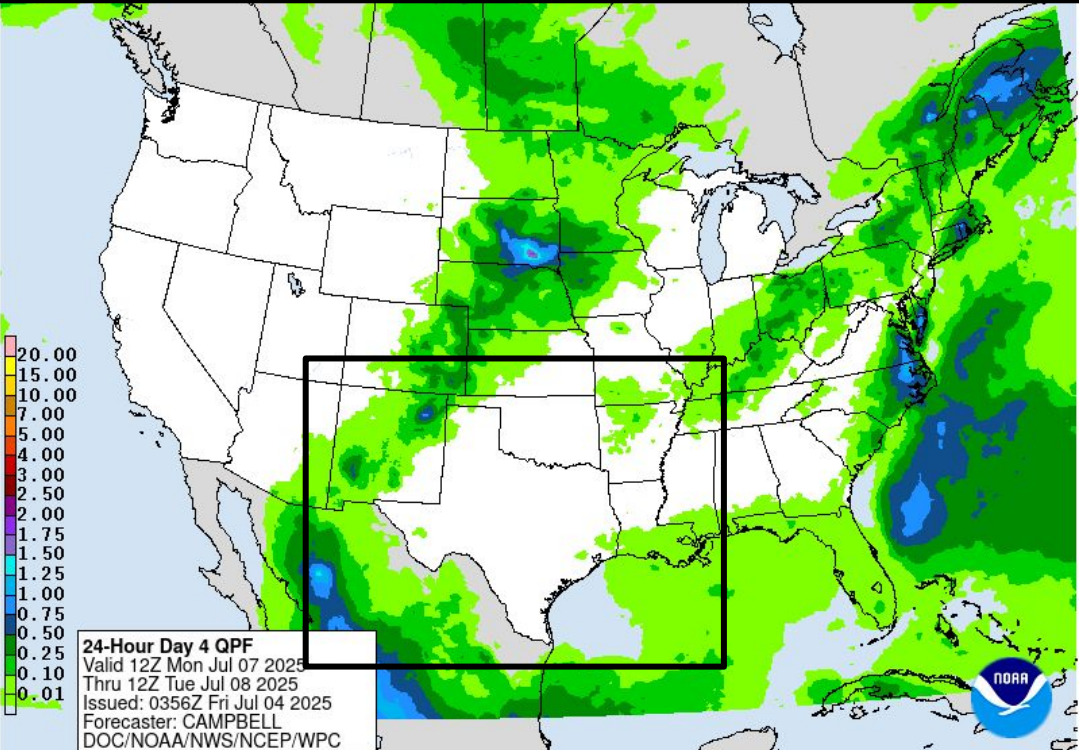


# Monday's Weather

Forecast Chart

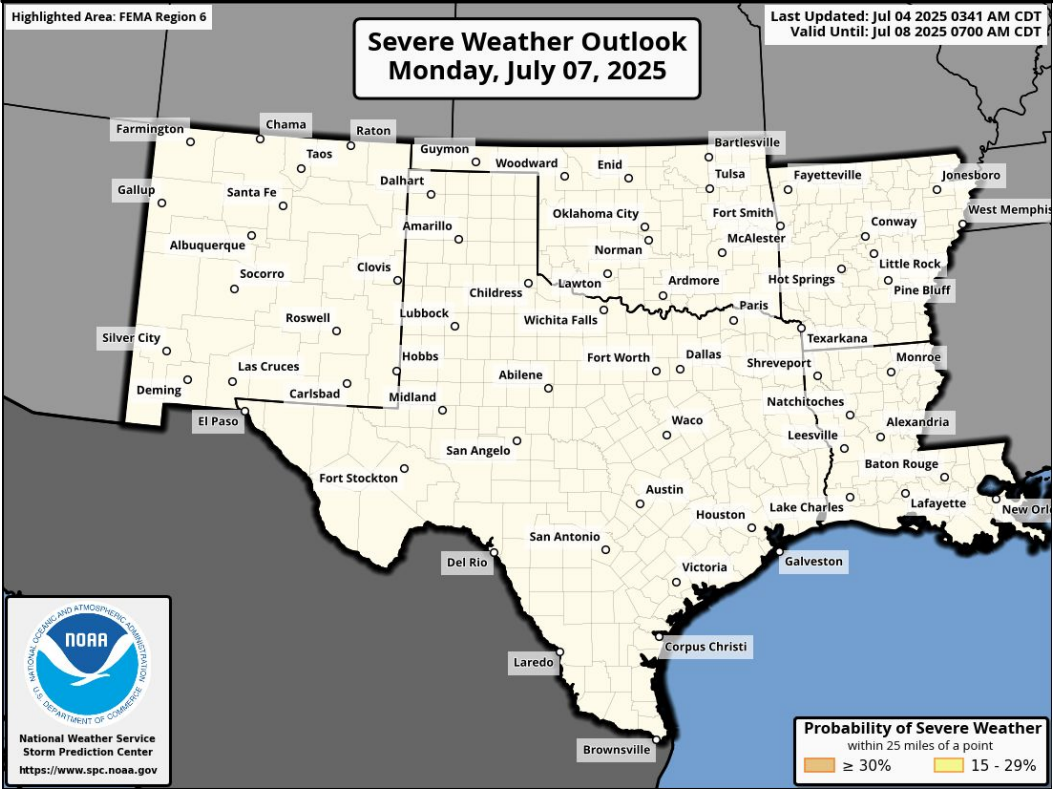


Forecast Rainfall

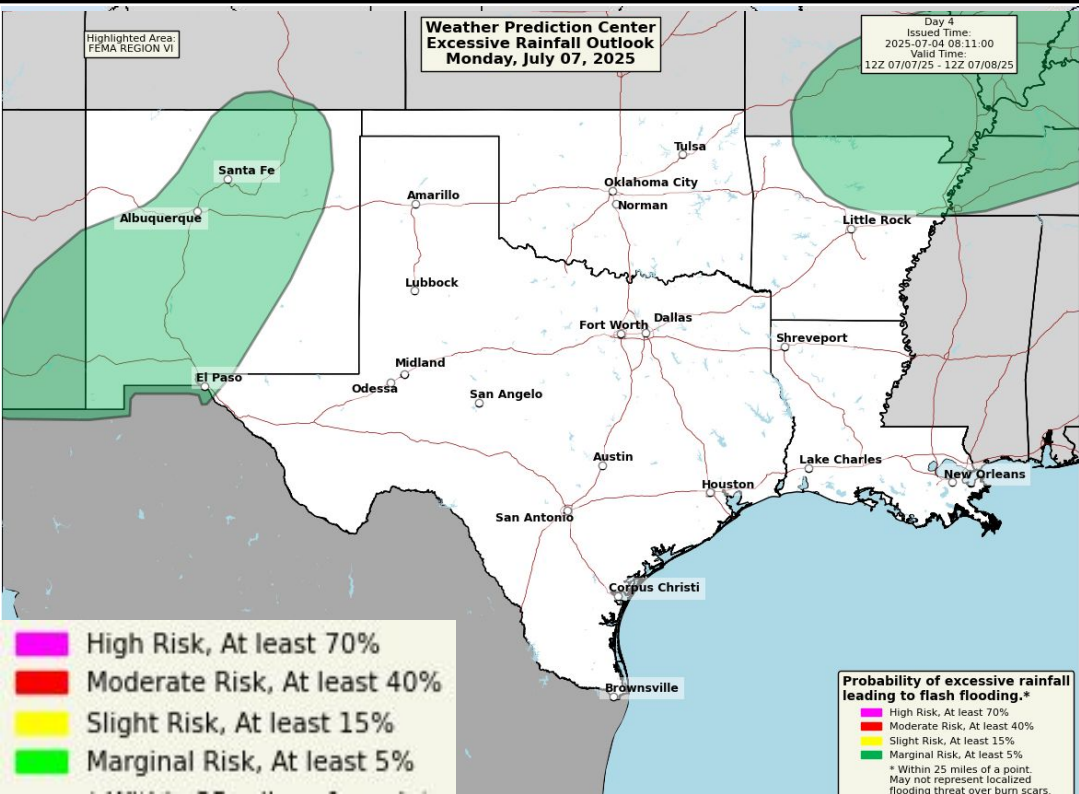


**Marginal risk (level I of 4) of flash flooding in NM and NAR.**

Severe Weather Outlook



Excessive Rainfall Outlook



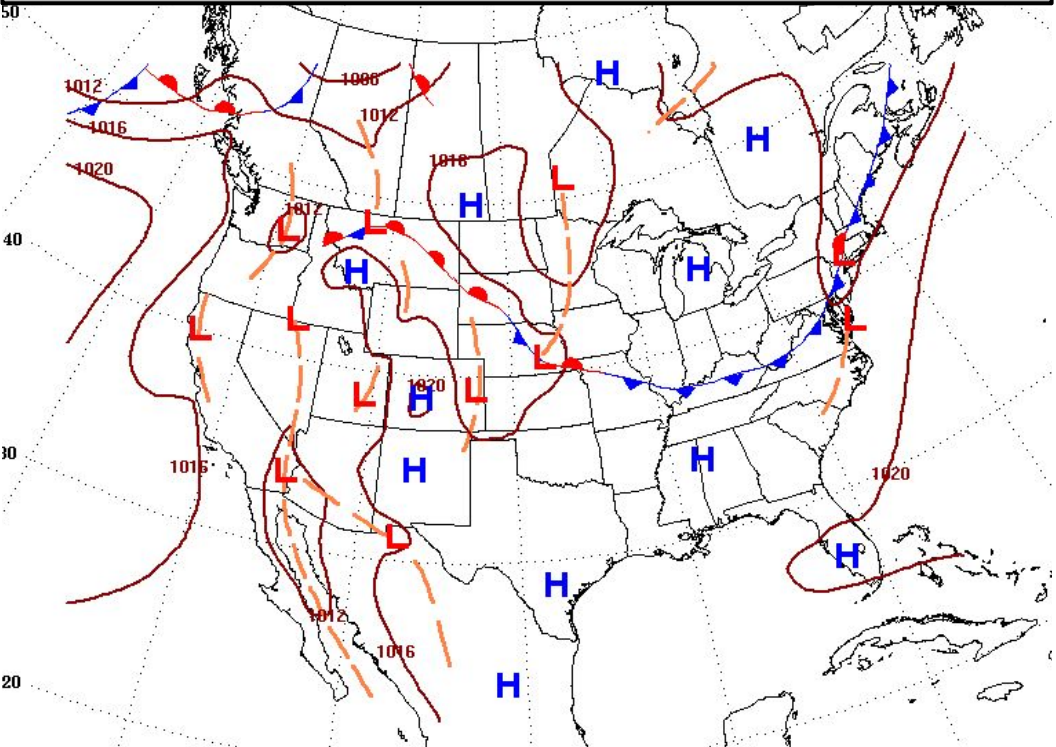
***\*Burn Scar Flash Flooding information on Burn Scar Matrix slides\****



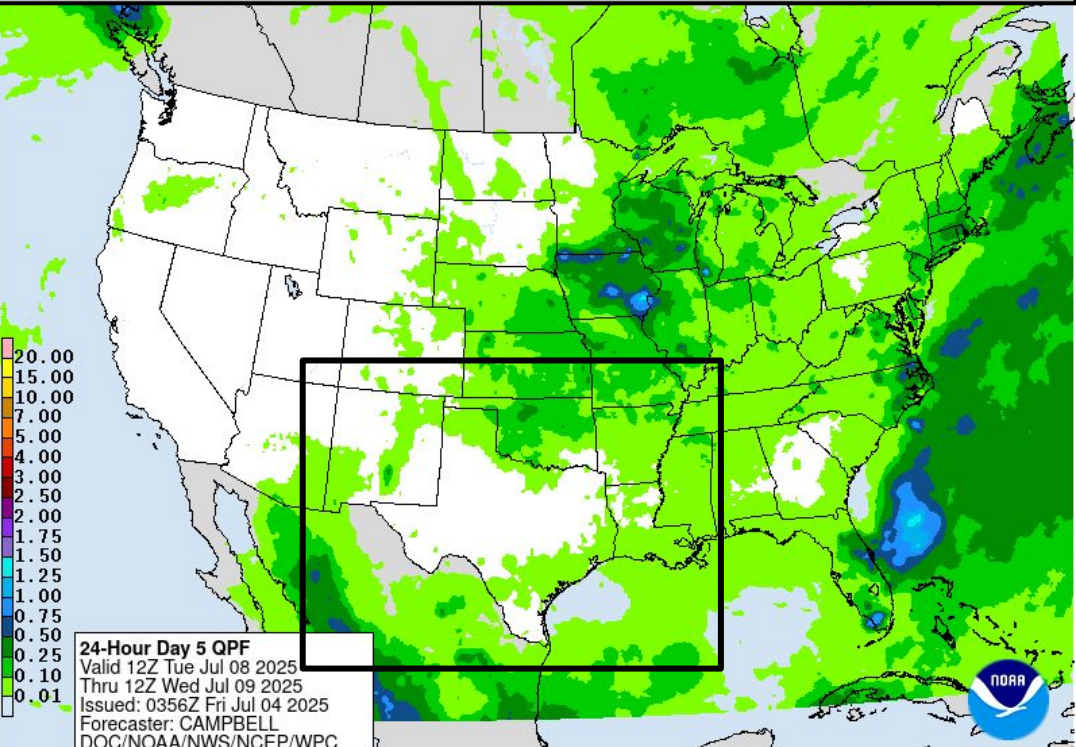


# Tuesday's Weather

Forecast Chart

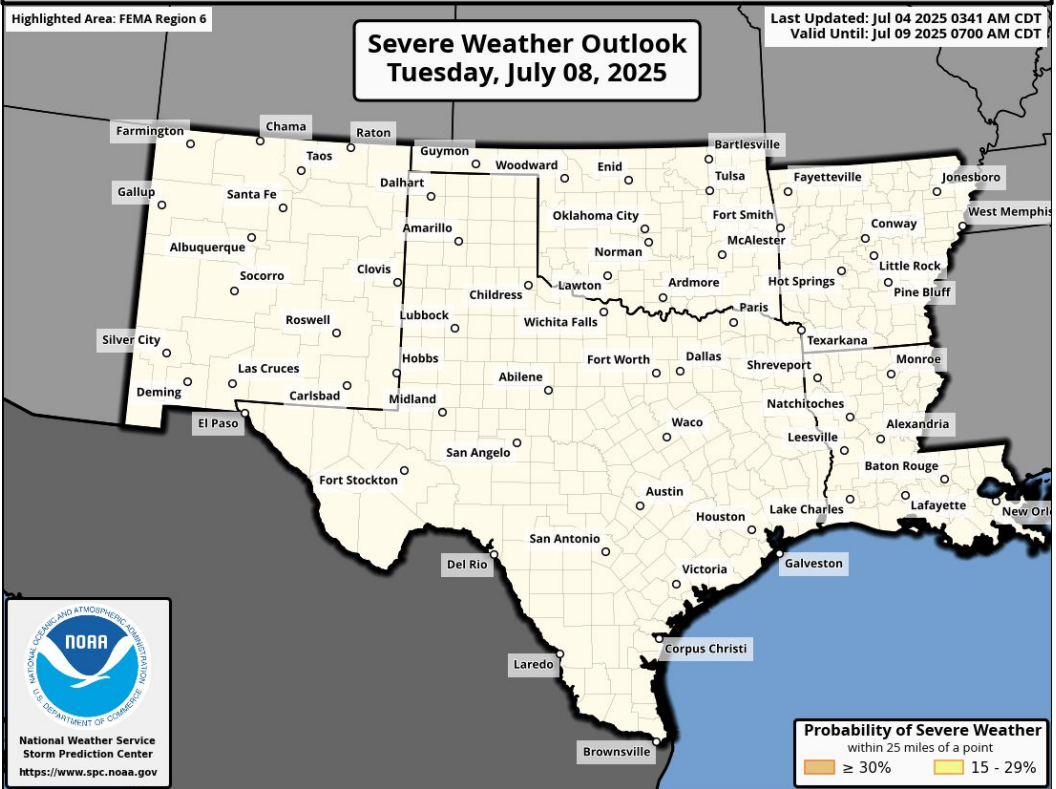


Forecast Rainfall

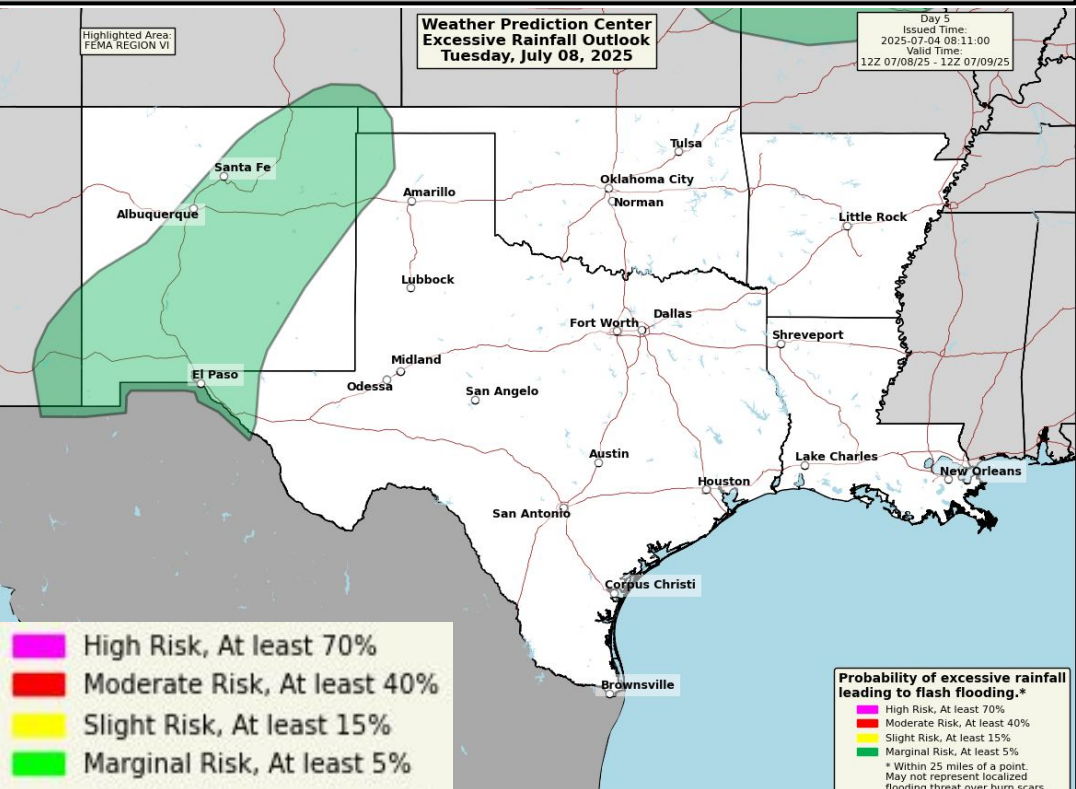


**Marginal risk (level I of 4) of flash flooding in NM and far W TX.**

Severe Weather Outlook



Excessive Rainfall Outlook

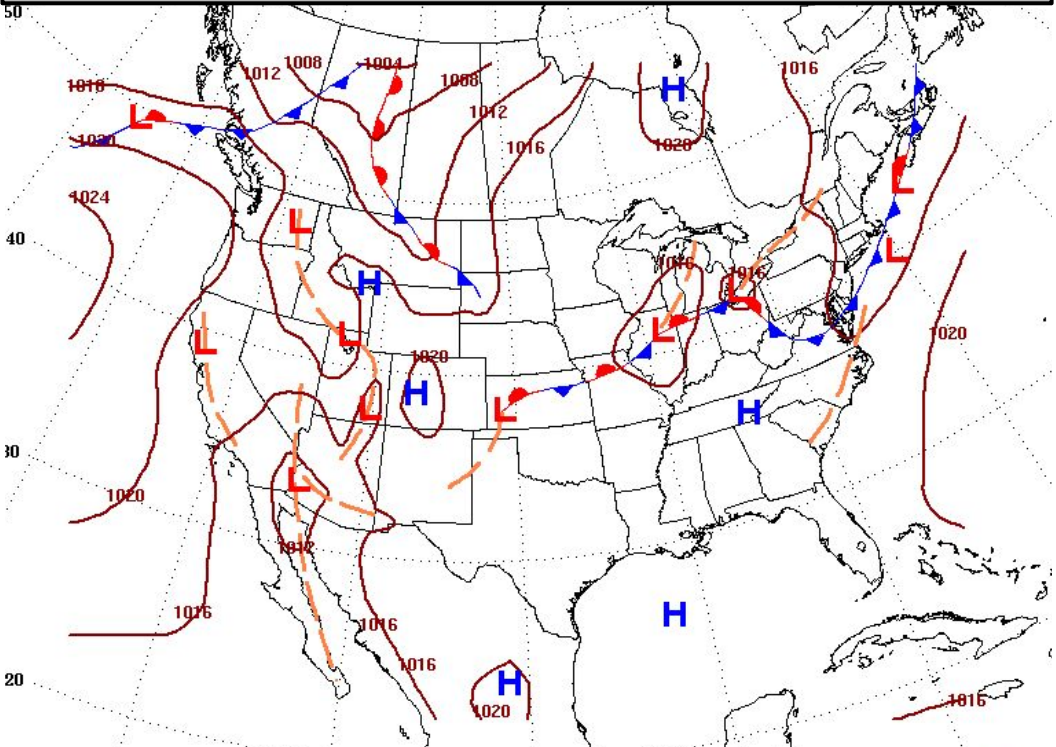




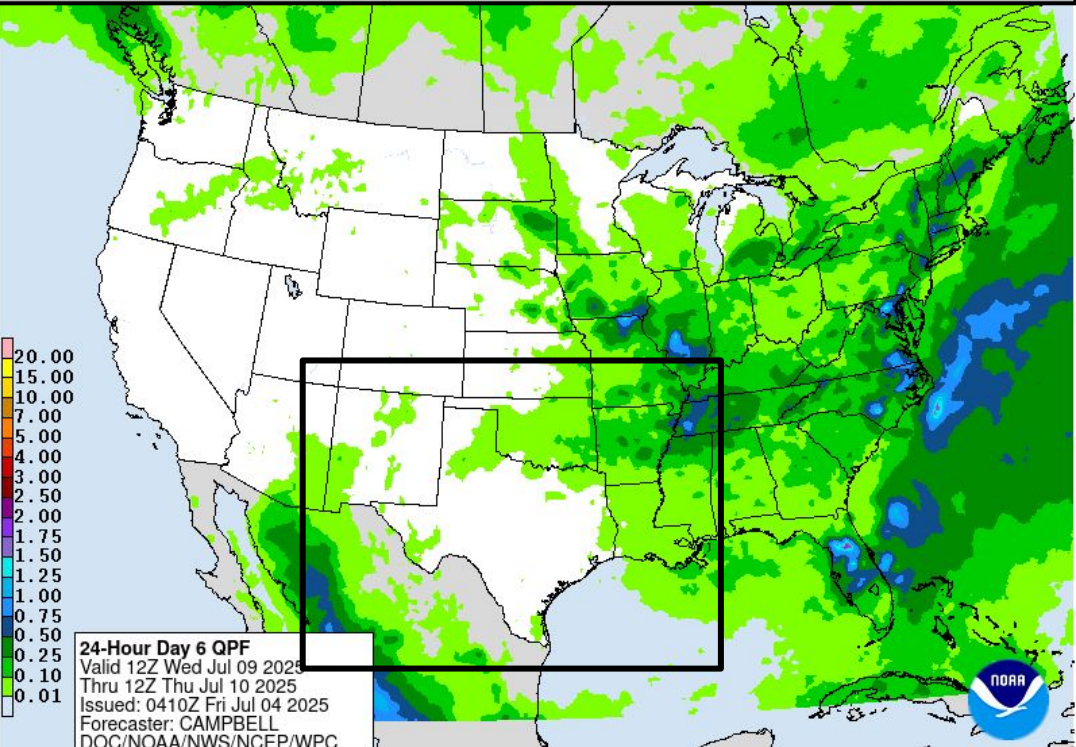


# Wednesday's Weather

Forecast Chart

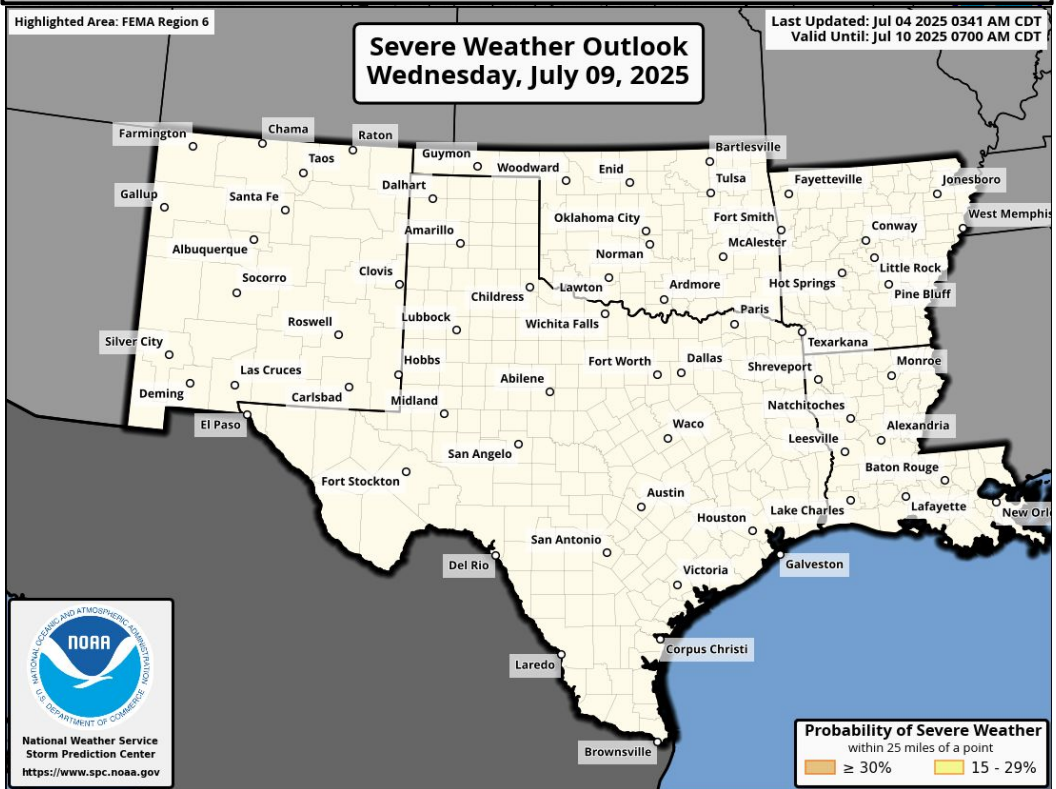


Forecast Rainfall



No significant weather expected.

Severe Weather Outlook



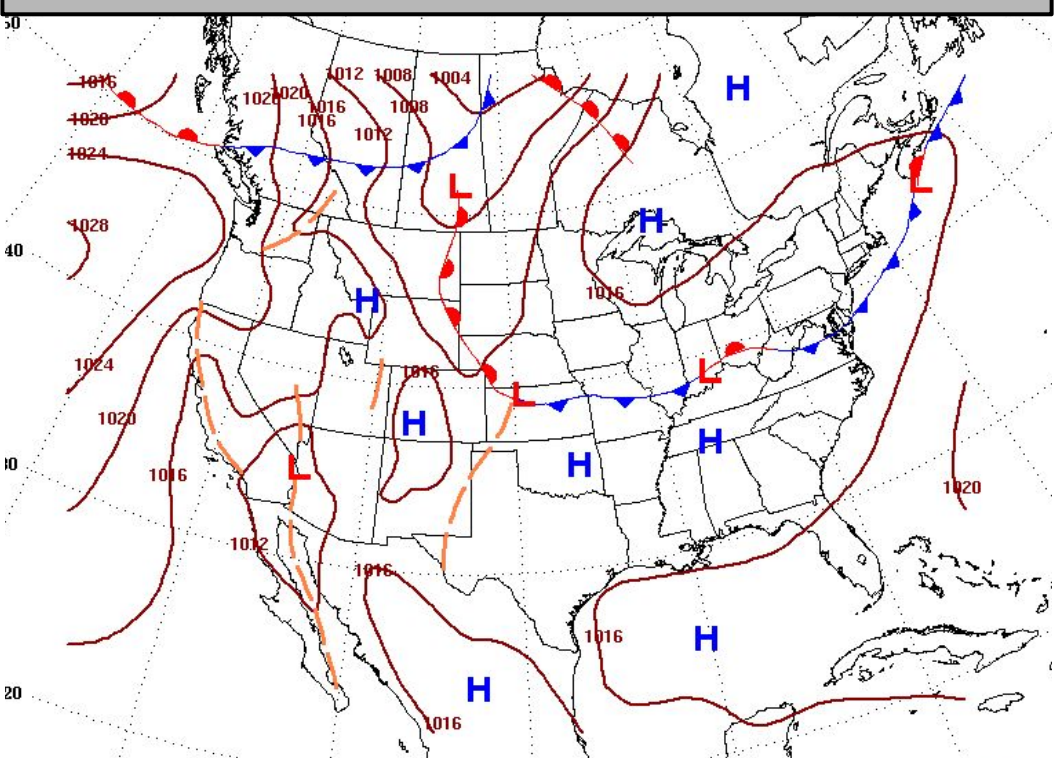
Excessive Rainfall Outlooks not available beyond Day 5



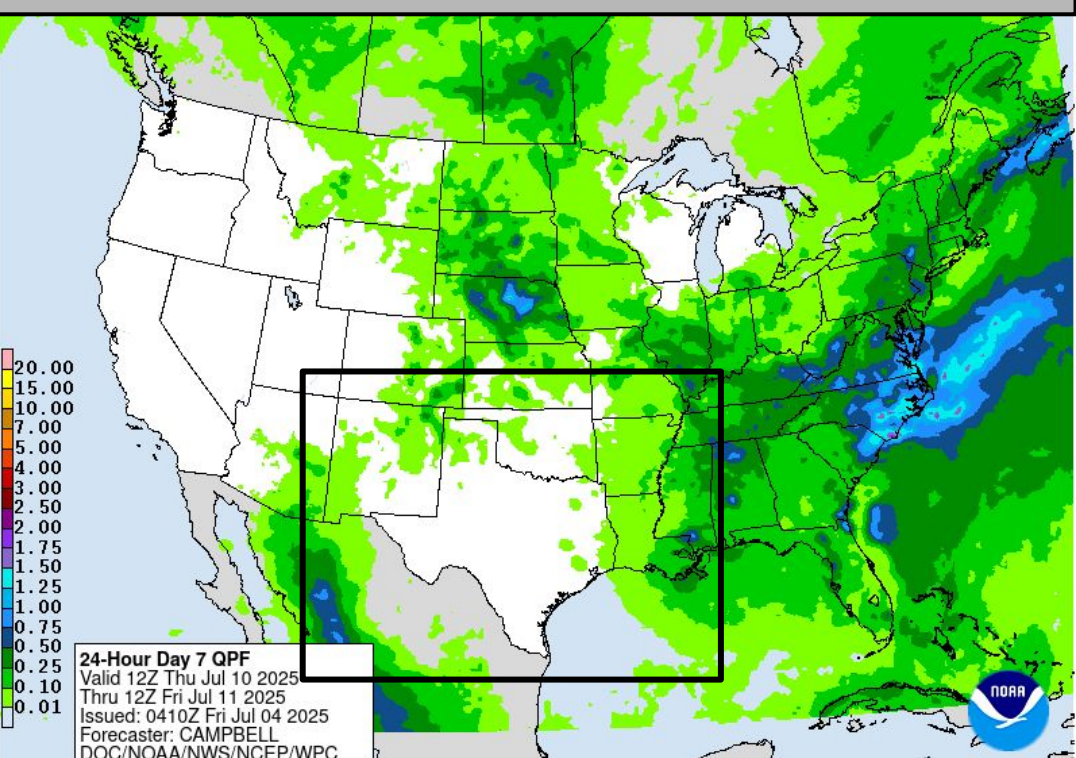


# Thursday's Weather

Forecast Chart

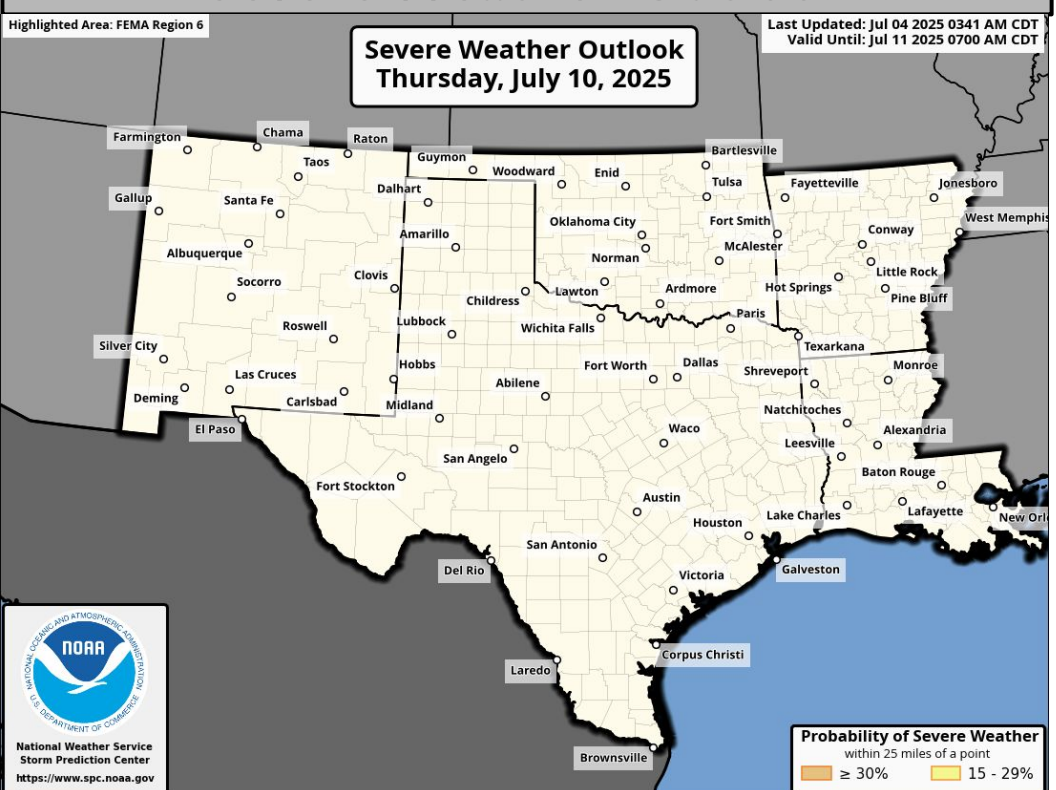


Forecast Rainfall



No significant weather expected.

Severe Weather Outlook



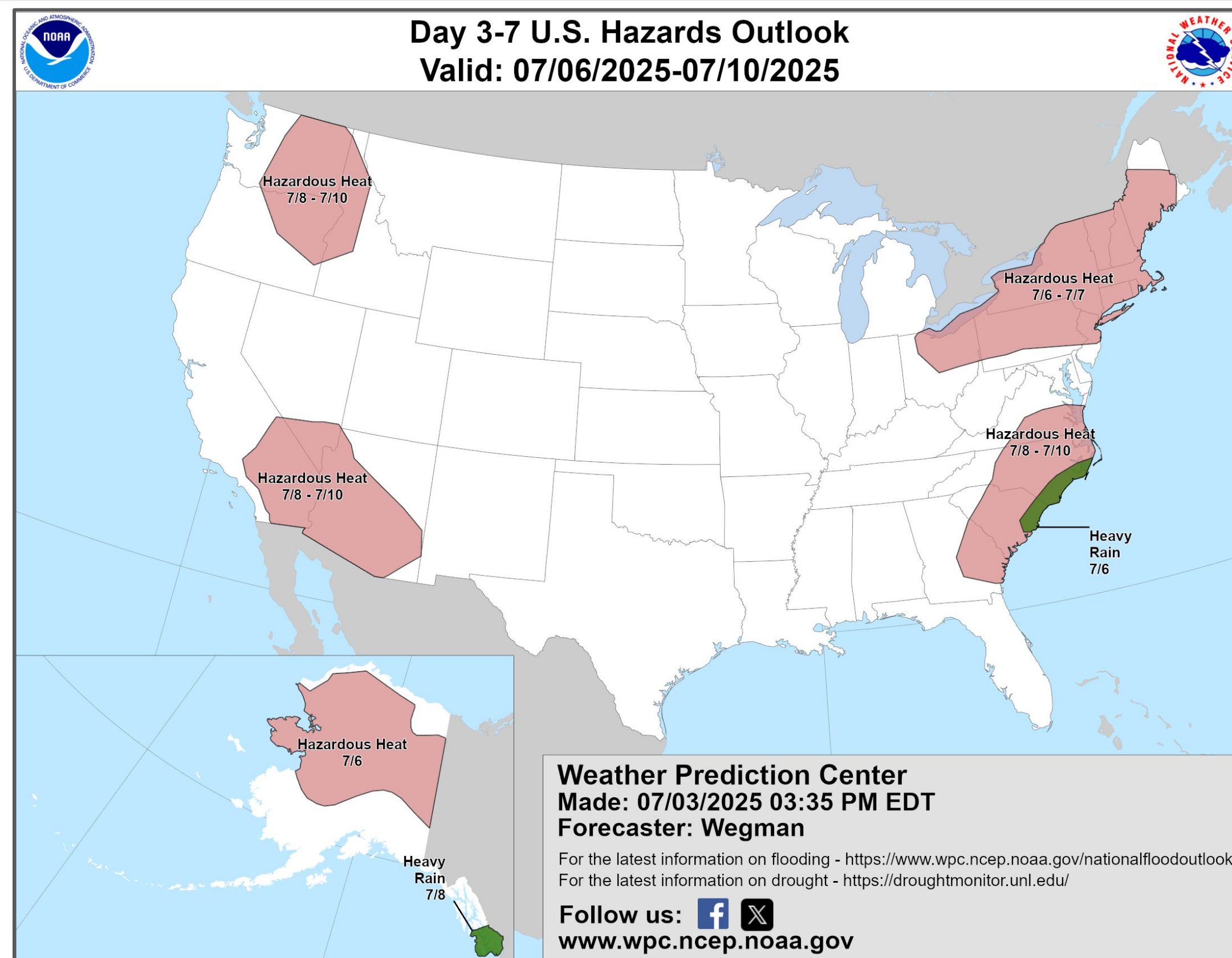
Excessive Rainfall Outlooks not available beyond Day 5







# “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:

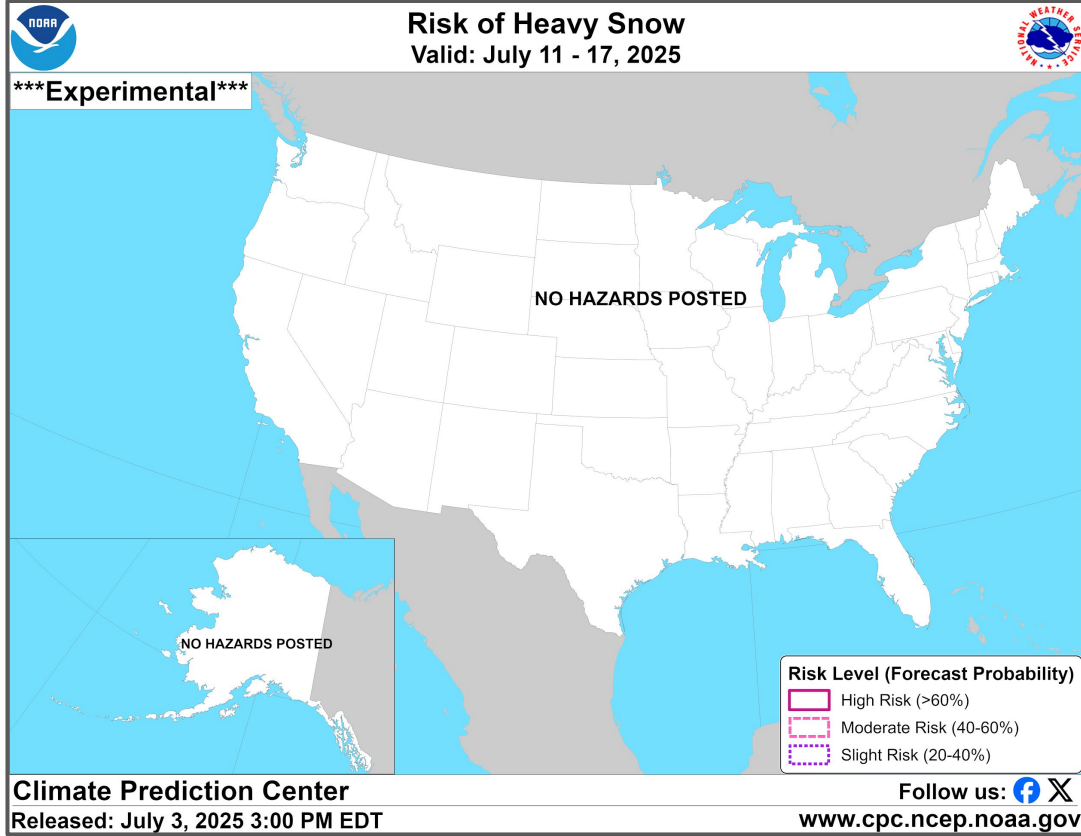
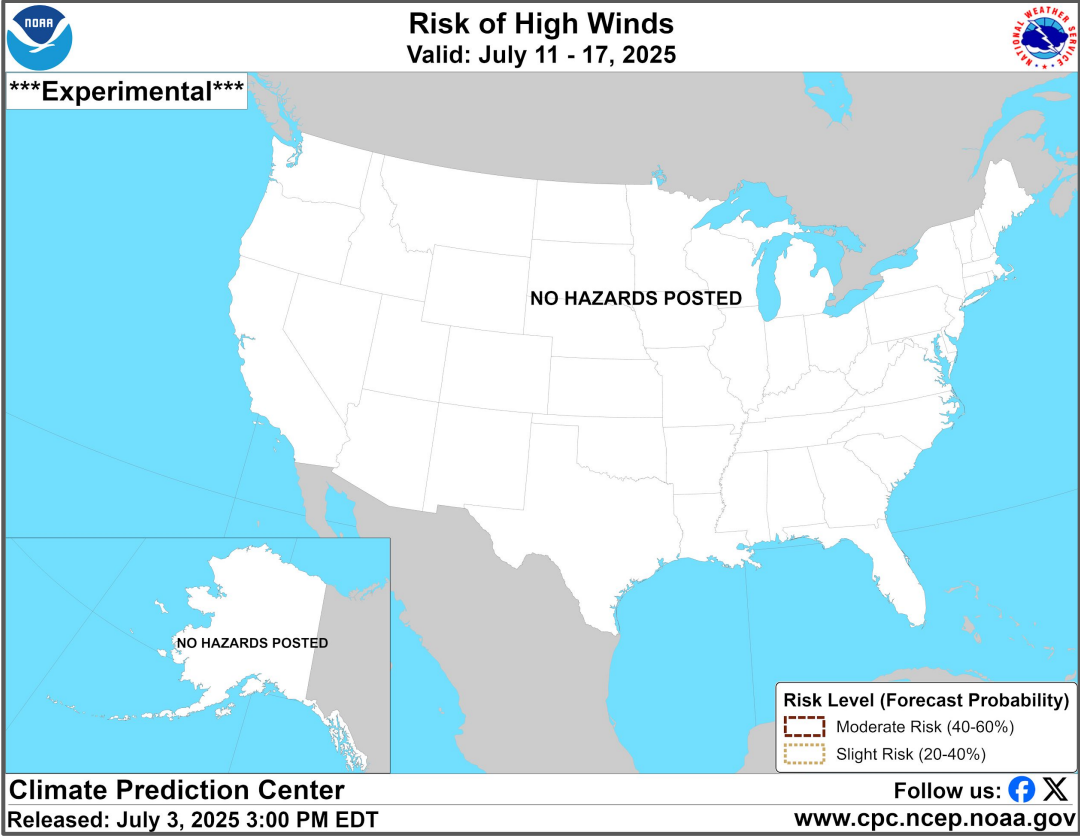
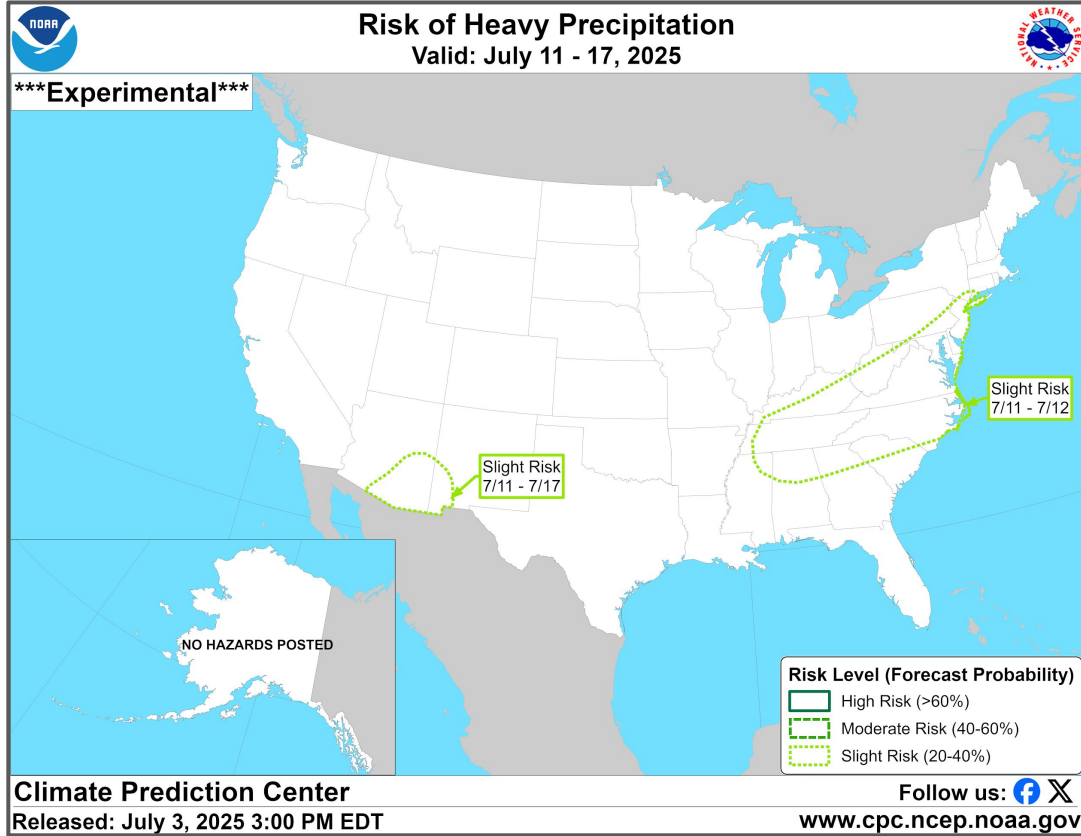
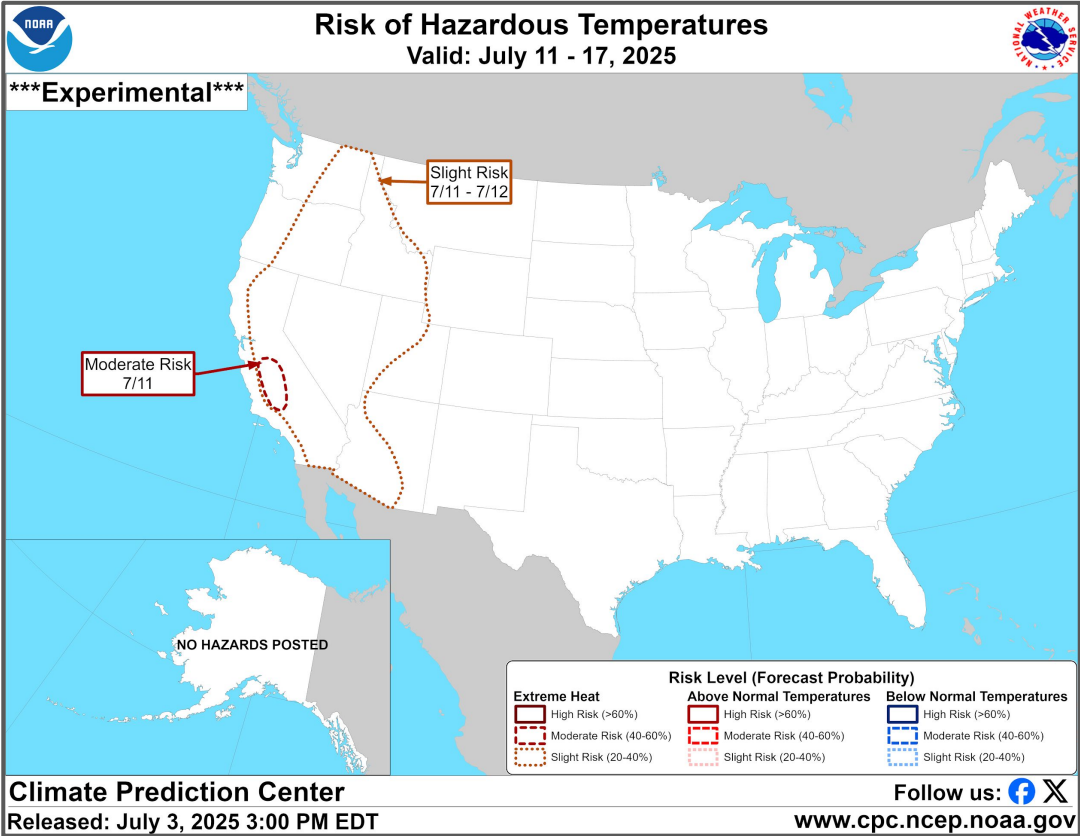
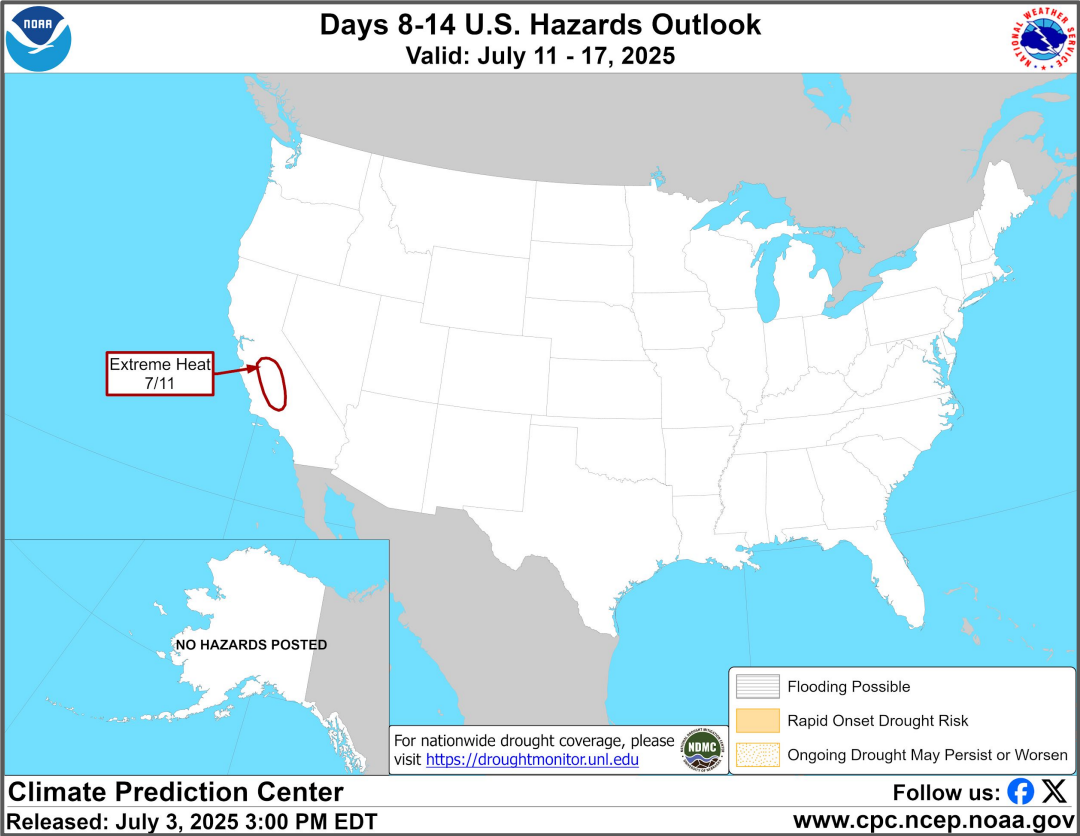
1. The “day 3-7” will really be days 2-6
2. This slide will be hidden on Mondays and Sundays so the data/information is not too old

For additional information on this outlook go to <https://www.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>

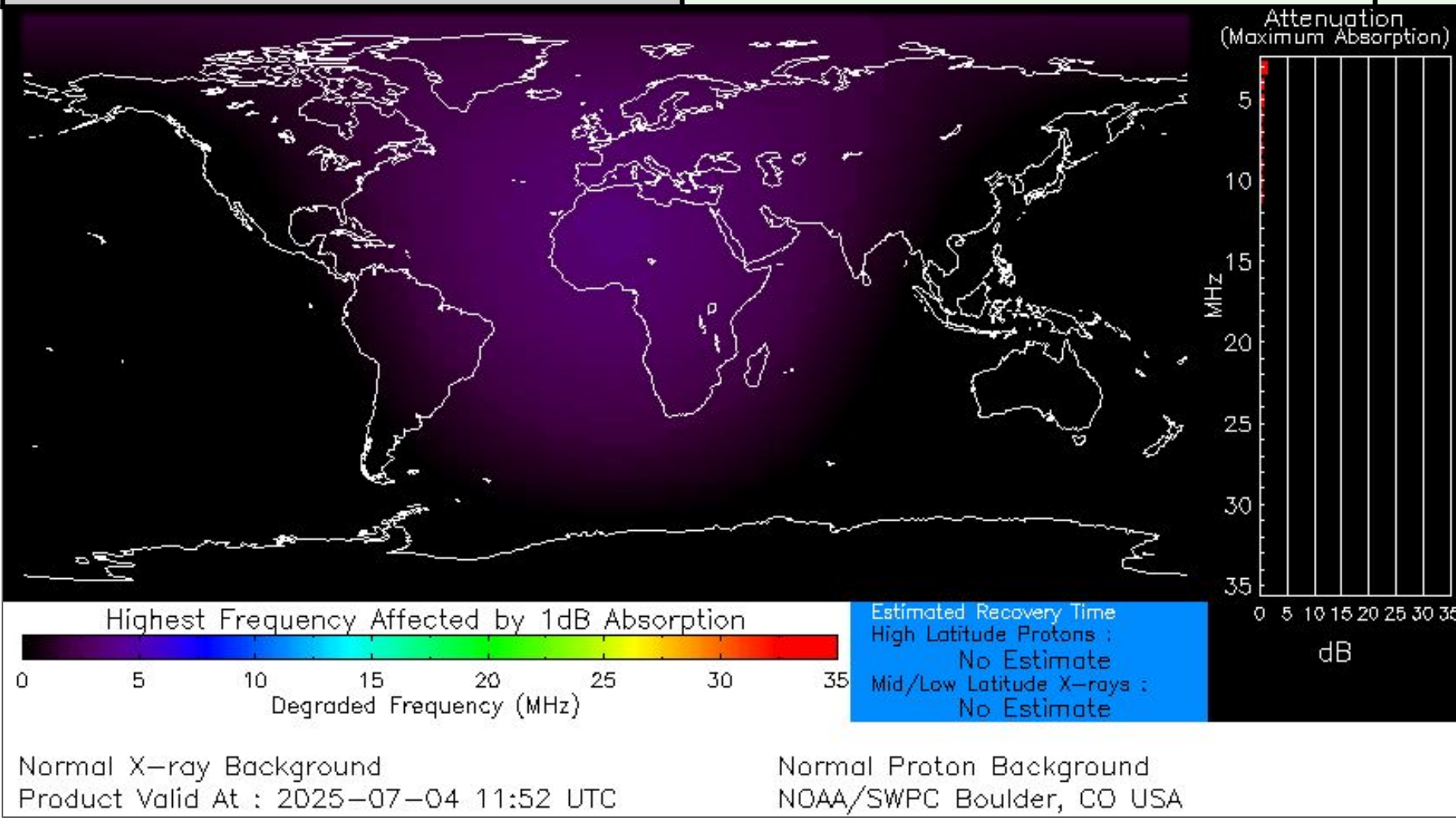






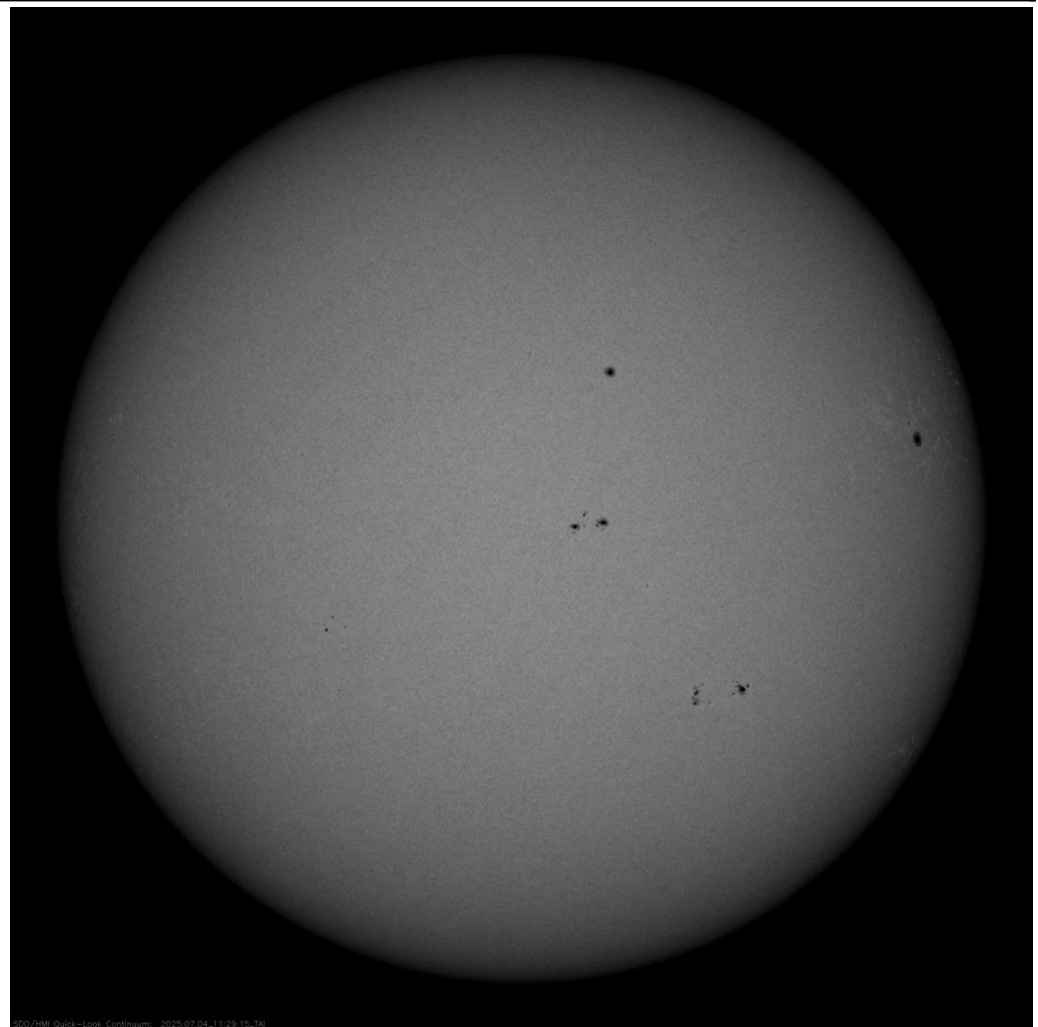
# Space Weather 3-Day Forecast

	Friday, Jul 4	Saturday, Jul 5	Sunday, Jul 6
Geomagnetic Storms	Unsettled (Max Kp = 3)	Unsettled (Max Kp = 3)	Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	20%	20%	20%
Radio Blackout (R3-R5)	1%	1%	1%



[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	<b>Little to None</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	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	<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	<b>Minor</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	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	<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	<b>Moderate</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	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	<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	<b>Major</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	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	<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	<b>Extreme</b> 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	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	<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

Regional Operations Center

Fort Worth, TX



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**X:** NWSSouthern



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

