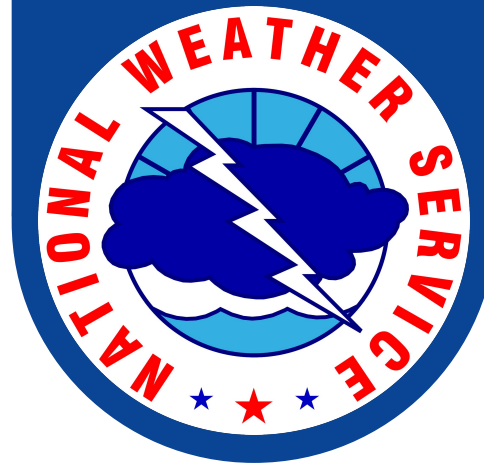




FEMA



Prepared by
Melissa Huffman

FEMA Region 6 Weather Threat Briefing

Tuesday, May 21, 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

- **Near daily risk for severe thunderstorms across W-Ctrl/N TX, OK, and AR through the upcoming weekend. Storms may produce heavy rainfall Wednesday/Thursday.**
- **Early season heat in S/SE TX continues into the holiday weekend.**
- **Elevated to critical fire weather conditions in NM, Far W TX through the week.**
- **Moderate to major river flooding across E/SE TX and LA through the week will gradually improve with lessening impacts.**
- **No tropical cyclone activity is expected during the next 7 days.**





FEMA Region 6 Threat Matrix

Next 5 Days

	Tuesday, May 21	Wednesday, May 22	Thursday, May 23	Friday, May 24	Saturday, May 25
Severe Storms	W-Ctrl TX, OK, NW AR	SE OK, AR, N/W-Ctrl TX	OK, AR, N TX, N LA		SE OK, AR, N TX
Heavy Rain / Flash Flooding	E OK, NW AR	SE OK, AR, N TX	SE OK, AR, N TX	AR	NE OK, N AR
Fire Weather	NM, W TX, TX/OK Panhandle	NM, W TX	NM, W TX	NM, W TX	NM, W TX
Wind					
Heat	S/SE TX	S/SE TX	S/SE TX	S/SE TX	S/SE TX
River Flooding	E/SE TX, LA	E/SE TX, LA	E/SE TX, LA	E/SE TX, LA	E/SE TX, LA

**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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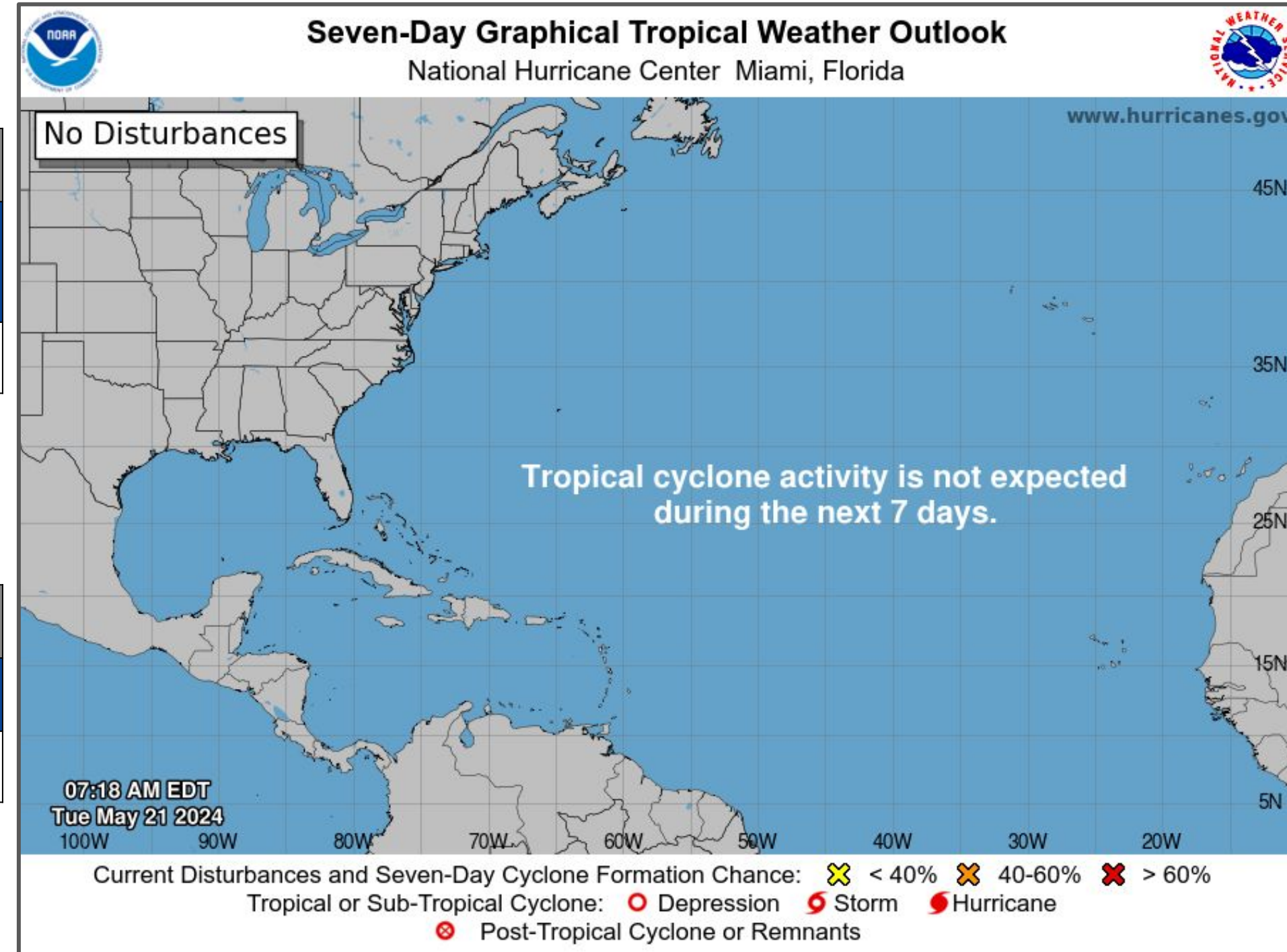
Tropical Weather Outlook – Atlantic/Gulf

Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6



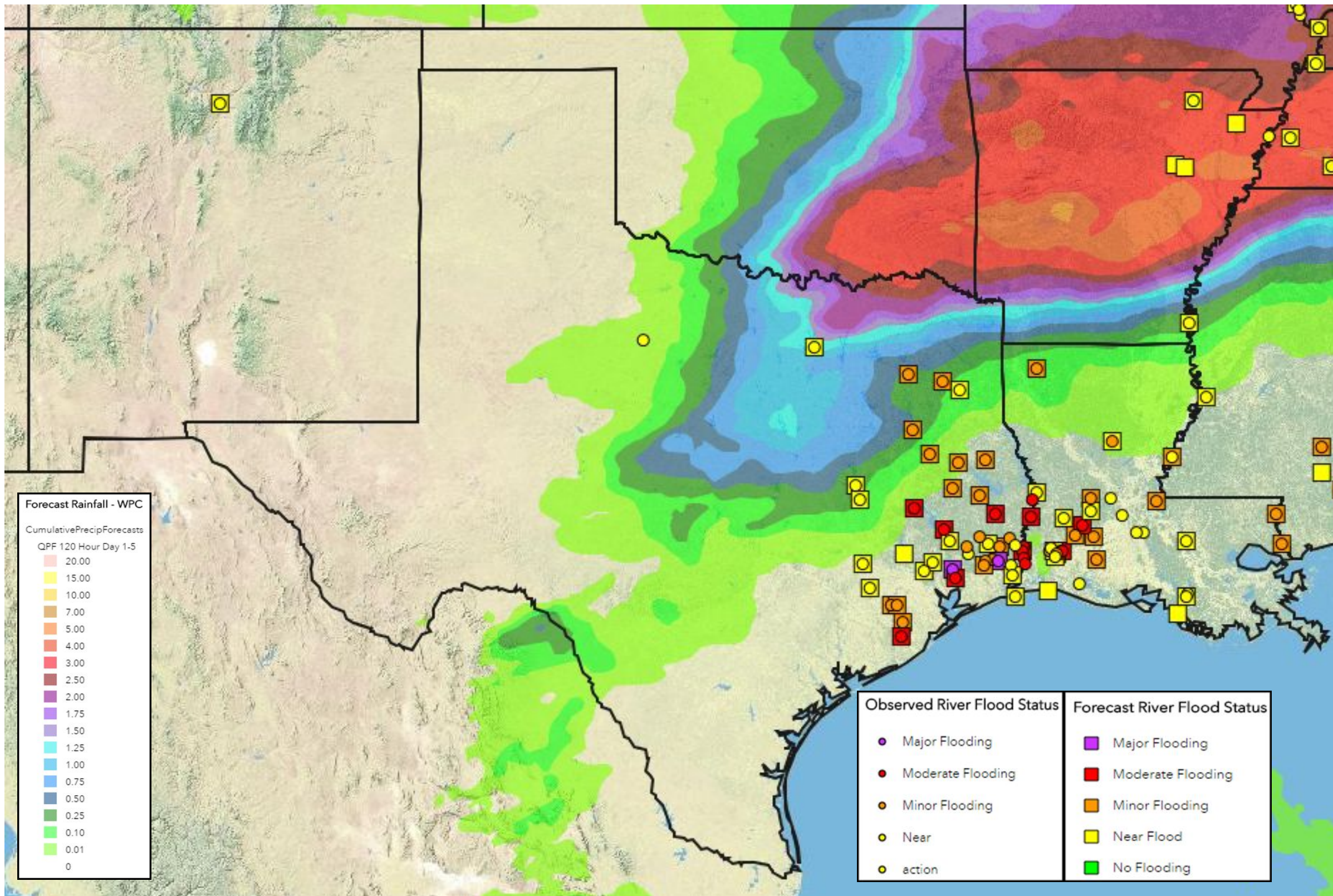
See <http://www.hurricanes.gov> for the latest on the tropics or any active storms



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

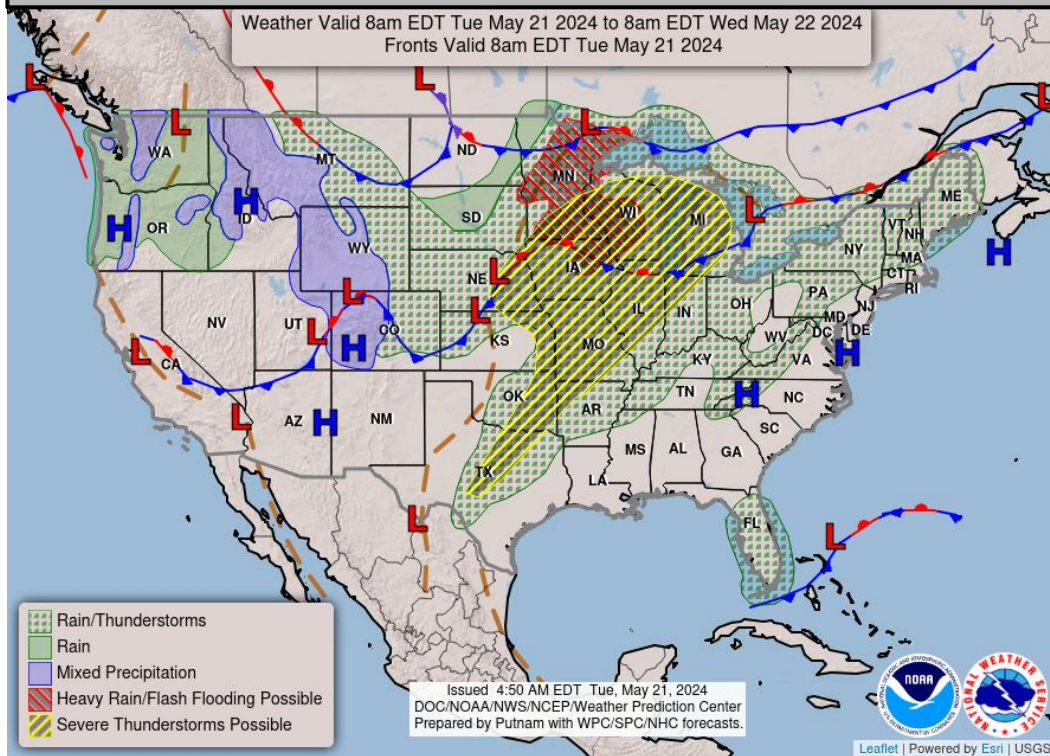
Moderate/Major river flooding SE TX and LA will gradually improve with lessening impacts.



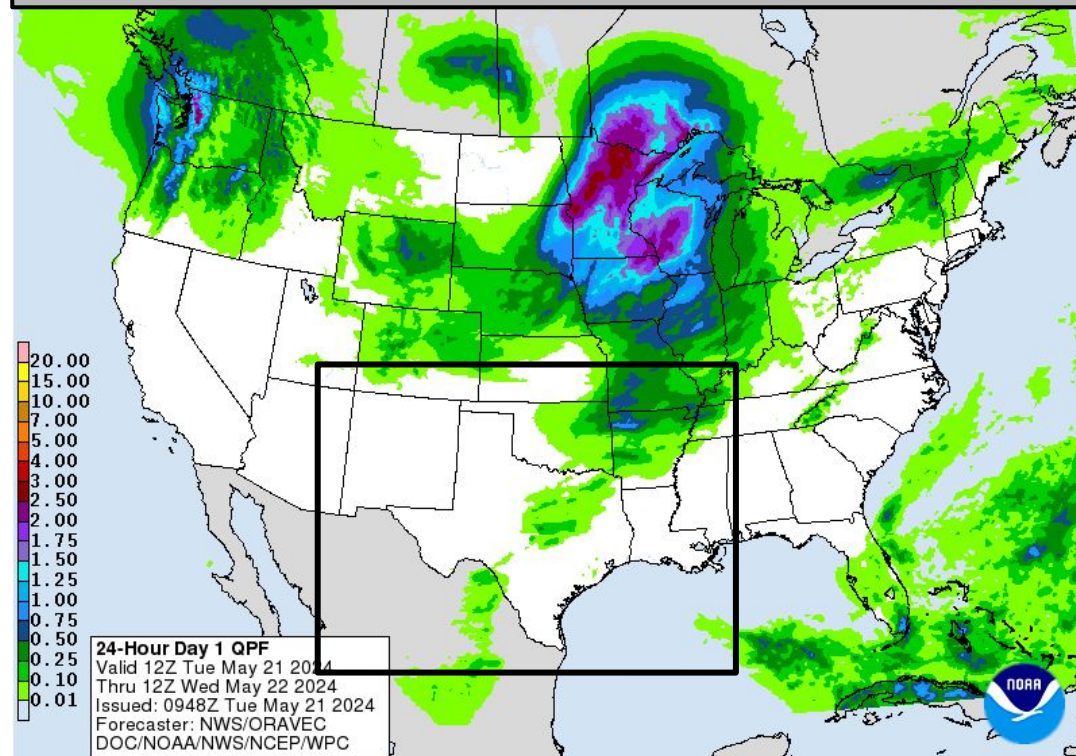


Today's Weather

Forecast Chart



Forecast Rainfall



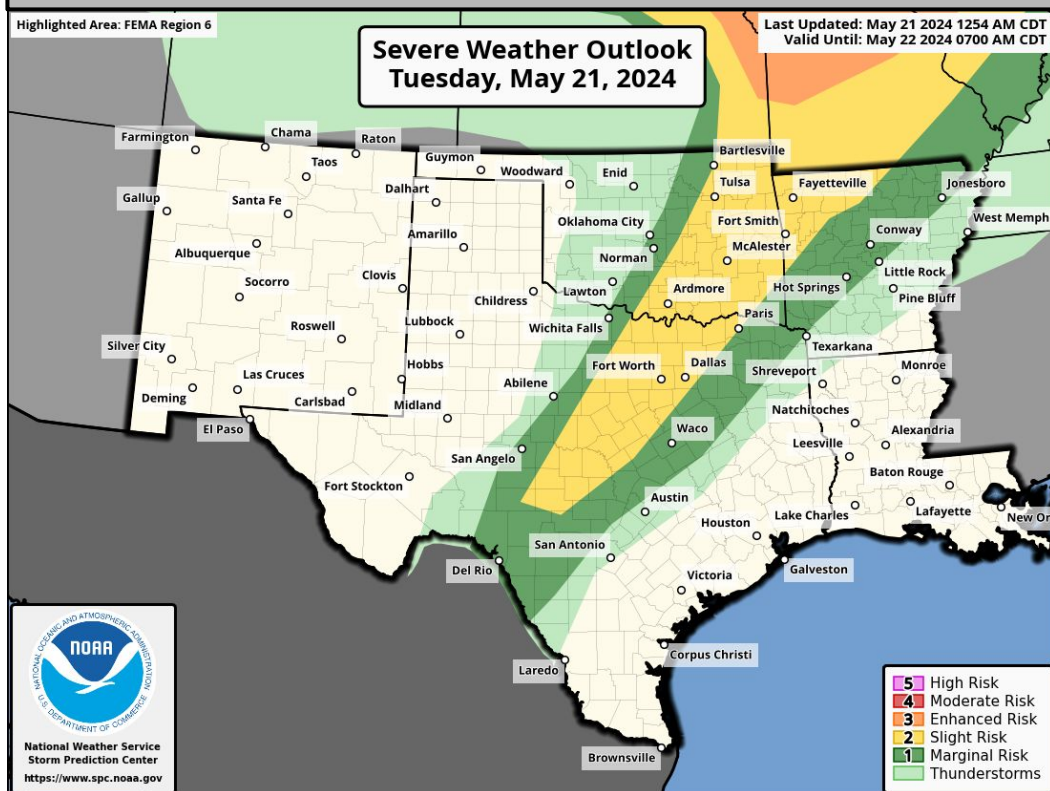
Slight risk of severe storms for W-Ctrl TX, OK, and NW AR.

Heat index values over 100 in SE TX and 105-115 in S TX.

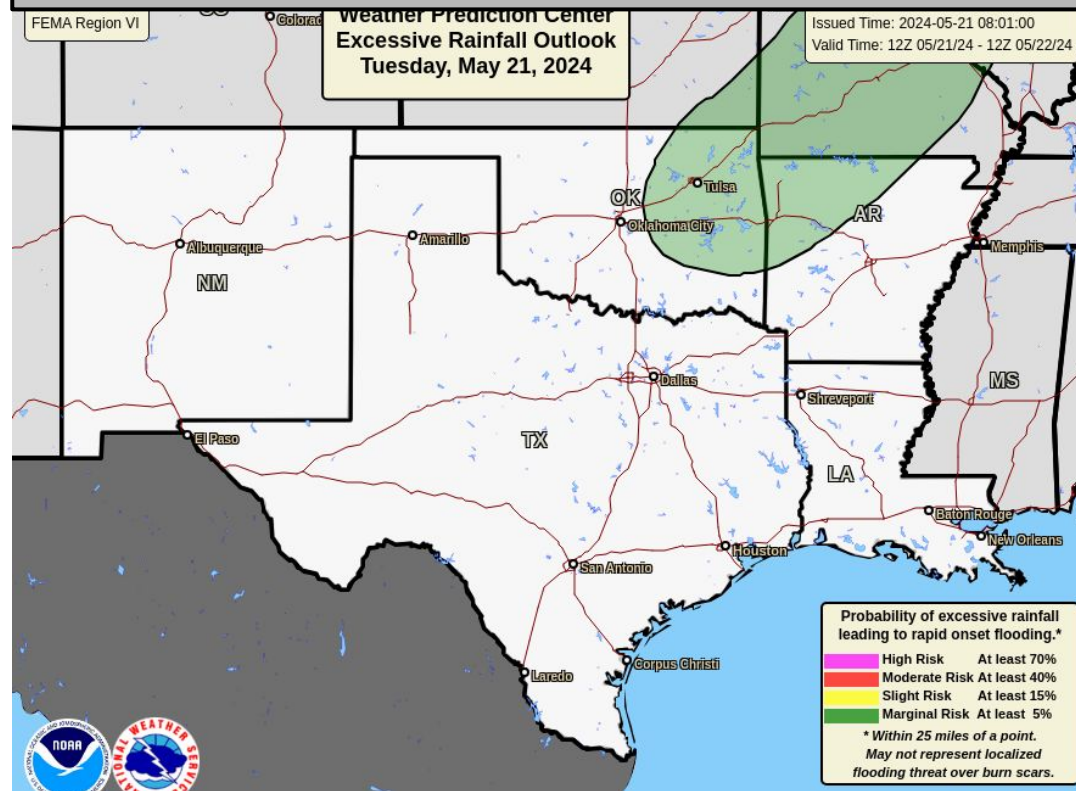
Marginal risk of heavy rainfall for E OK, NW AR.

Elevated fire weather conditions in NM, Far W TX.

Severe Weather Outlook

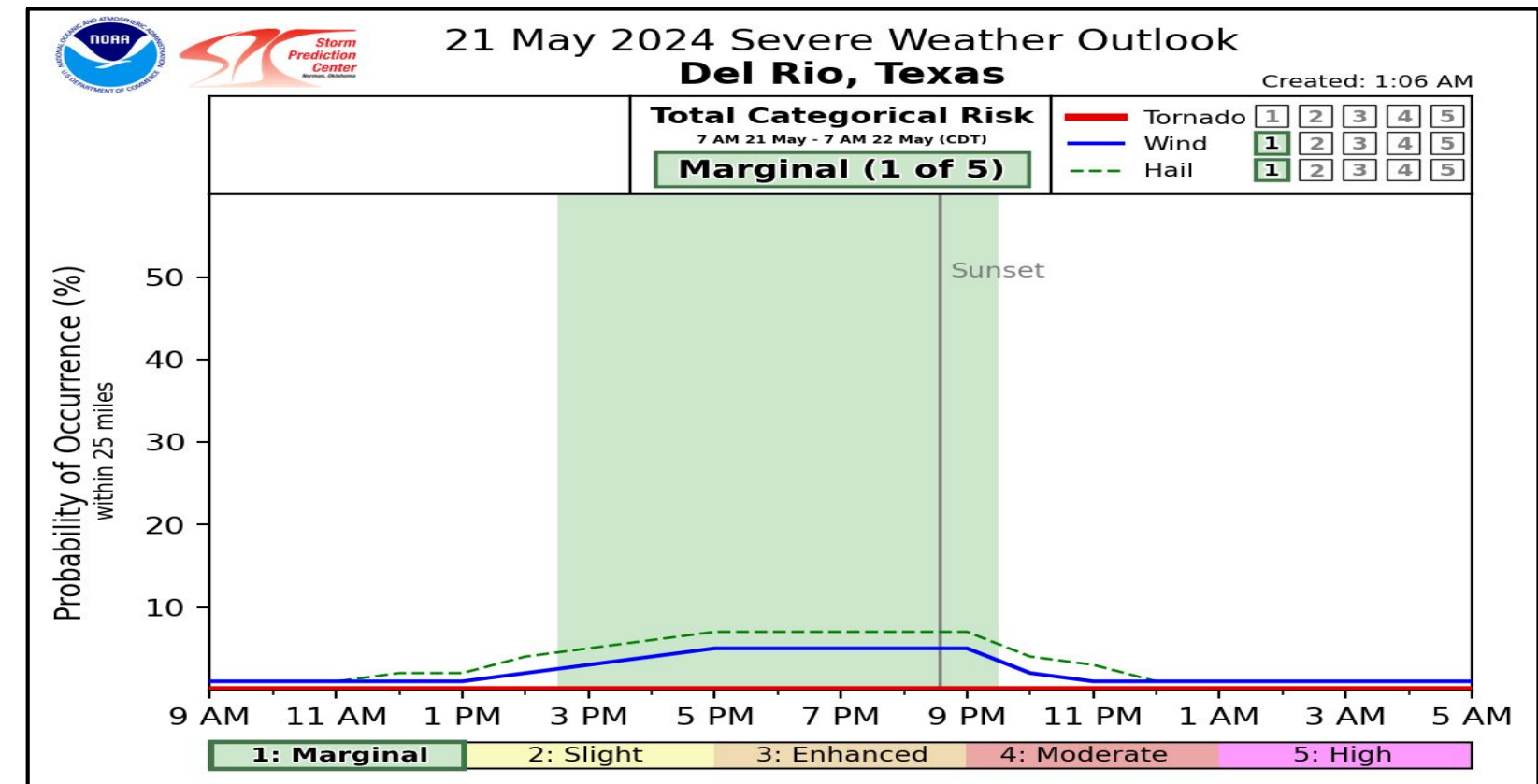
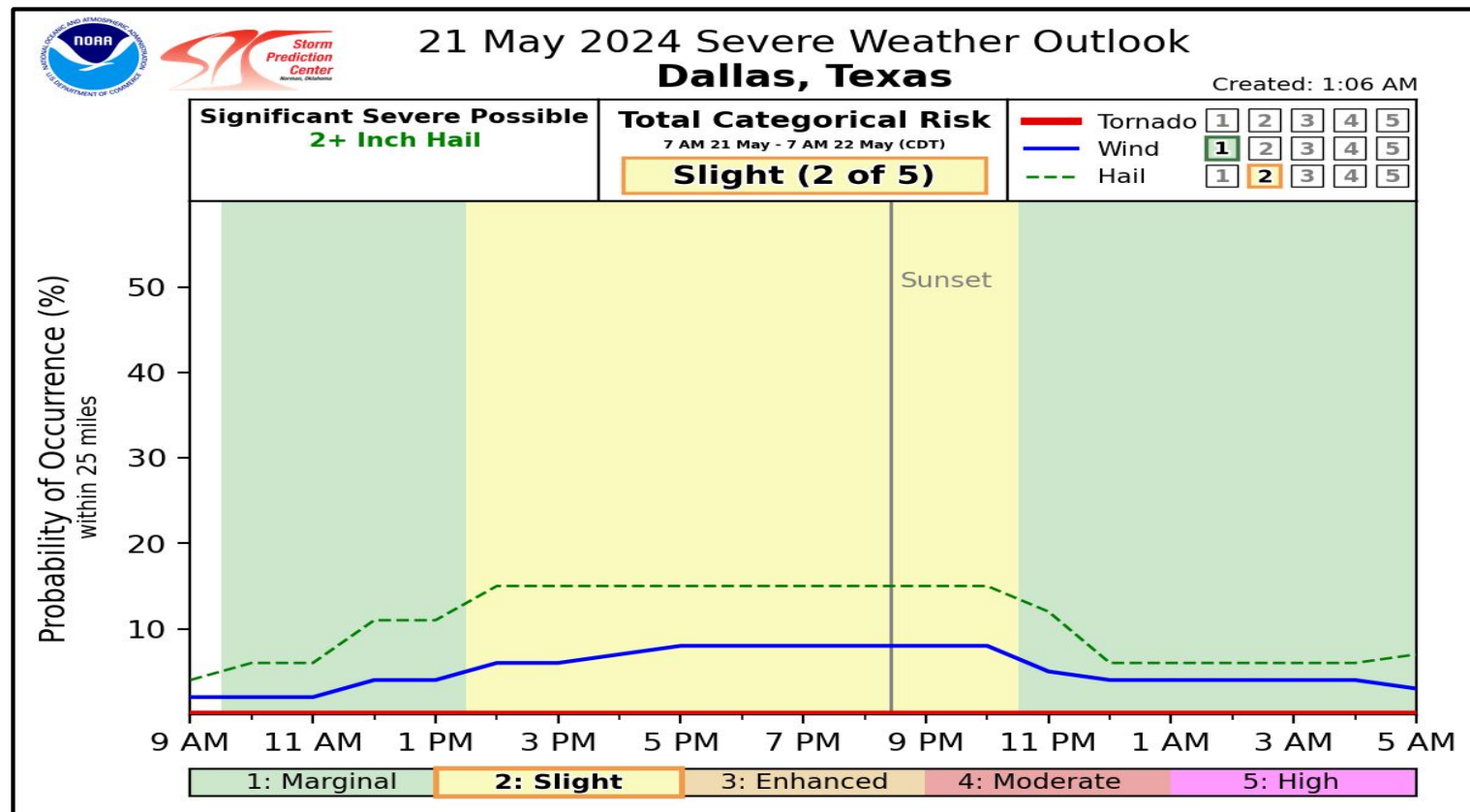
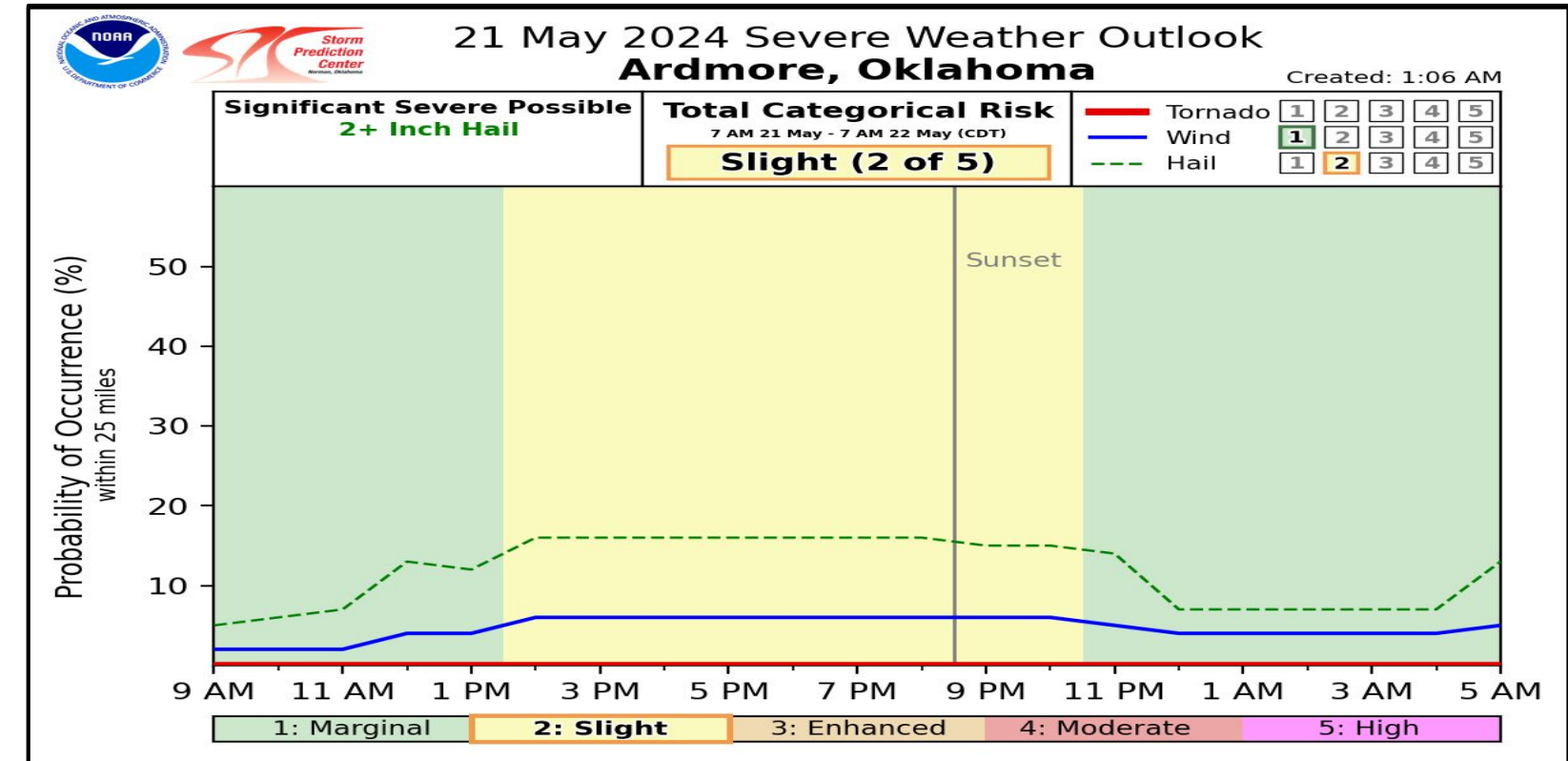
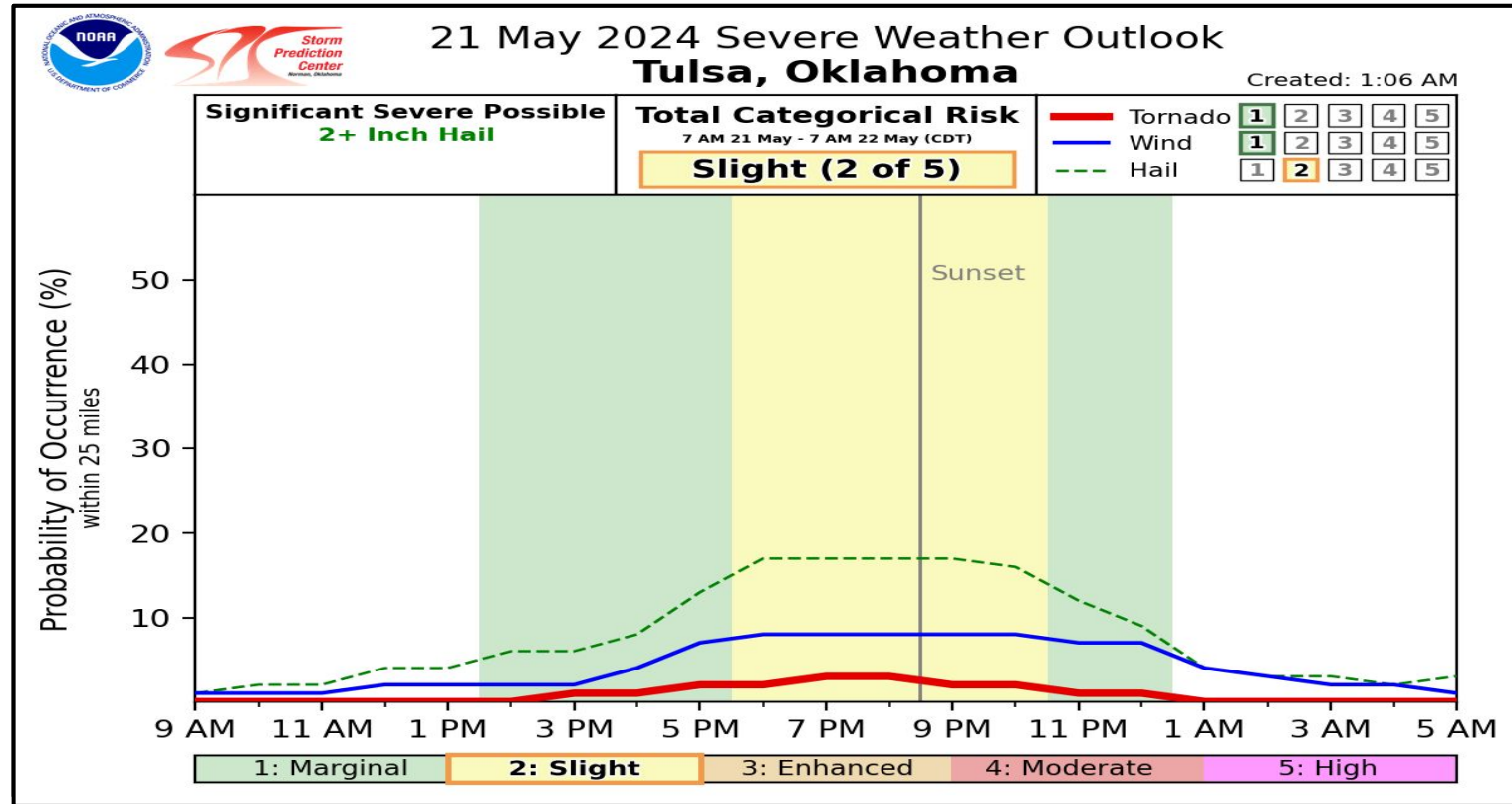


Excessive Rainfall Outlook





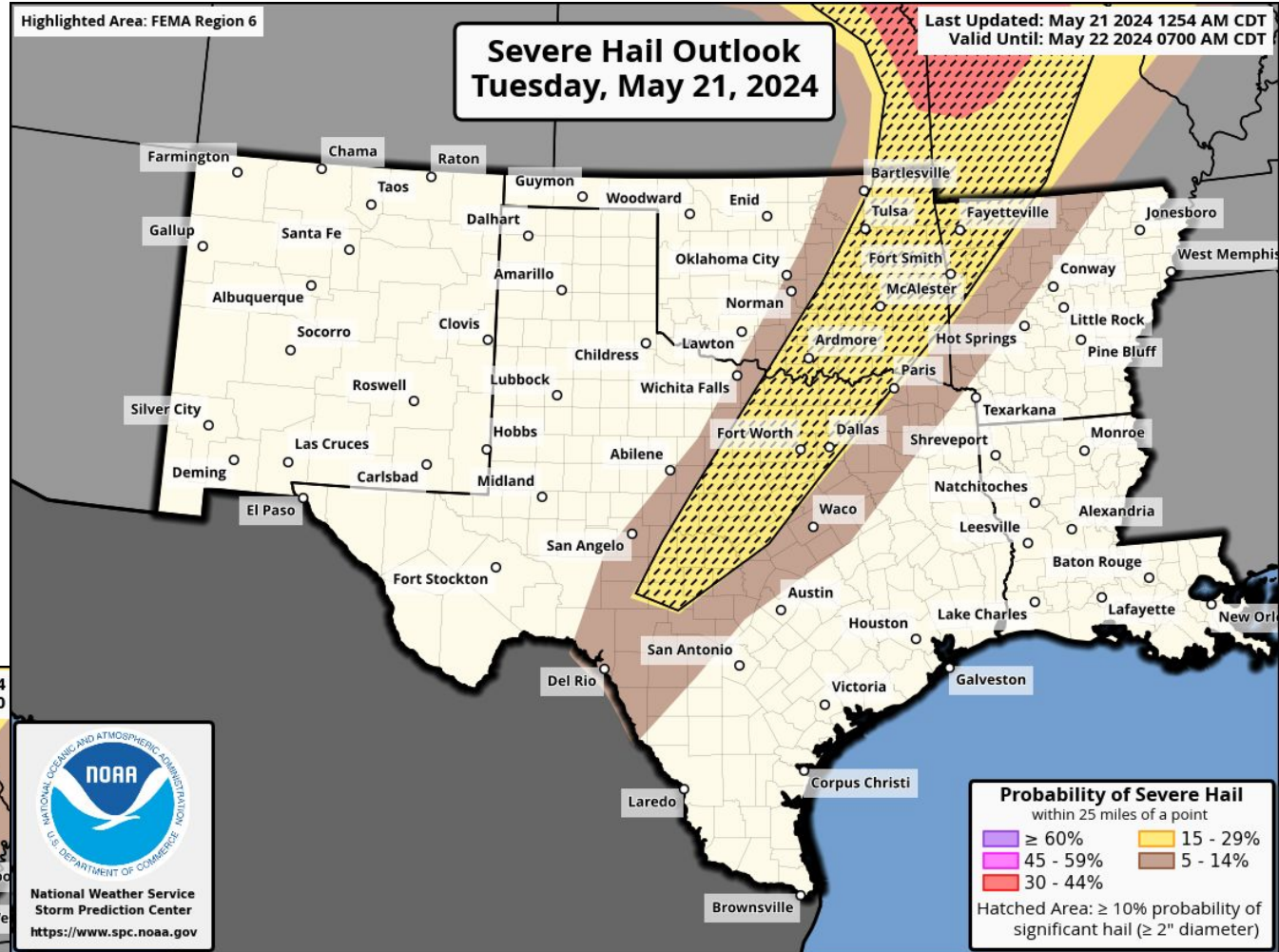
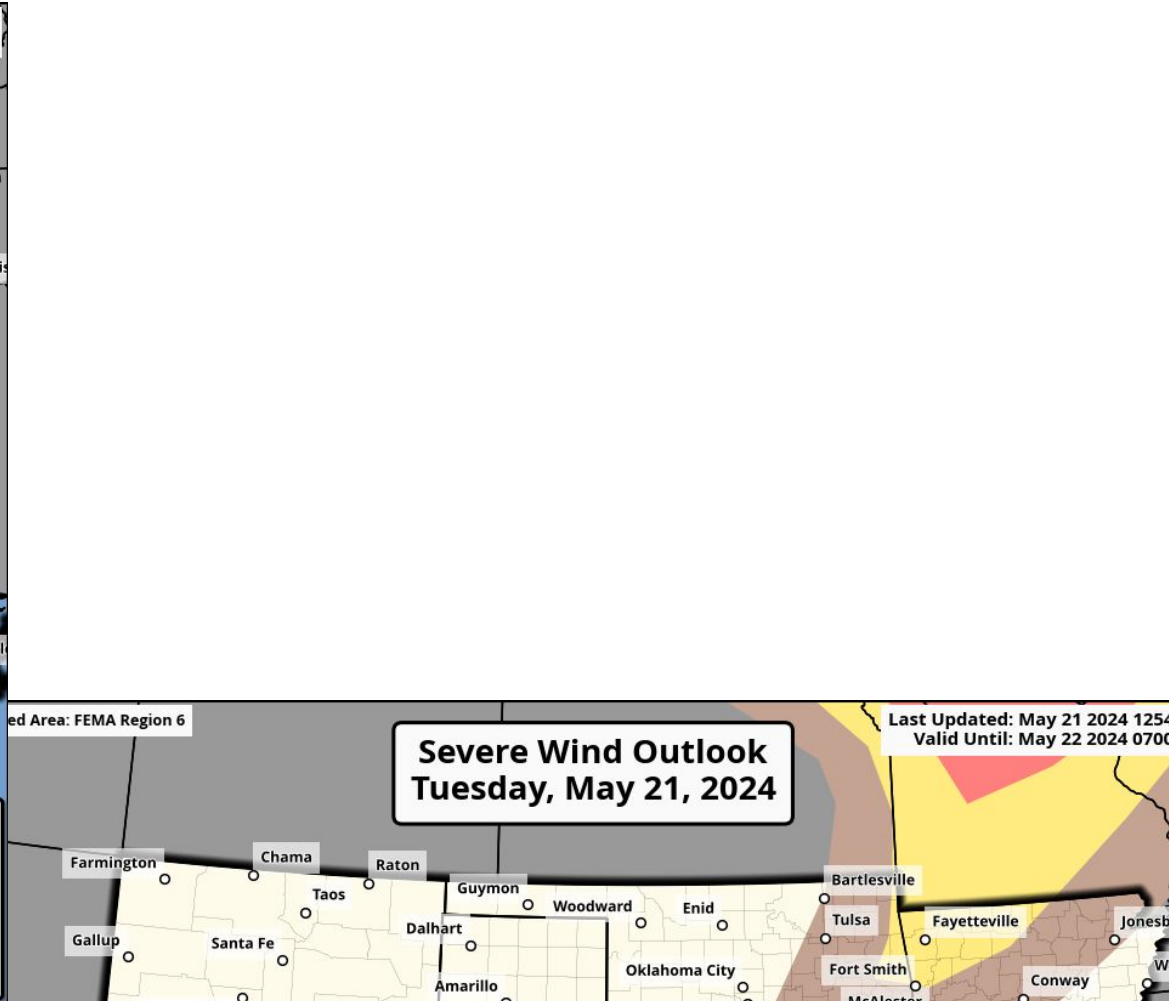
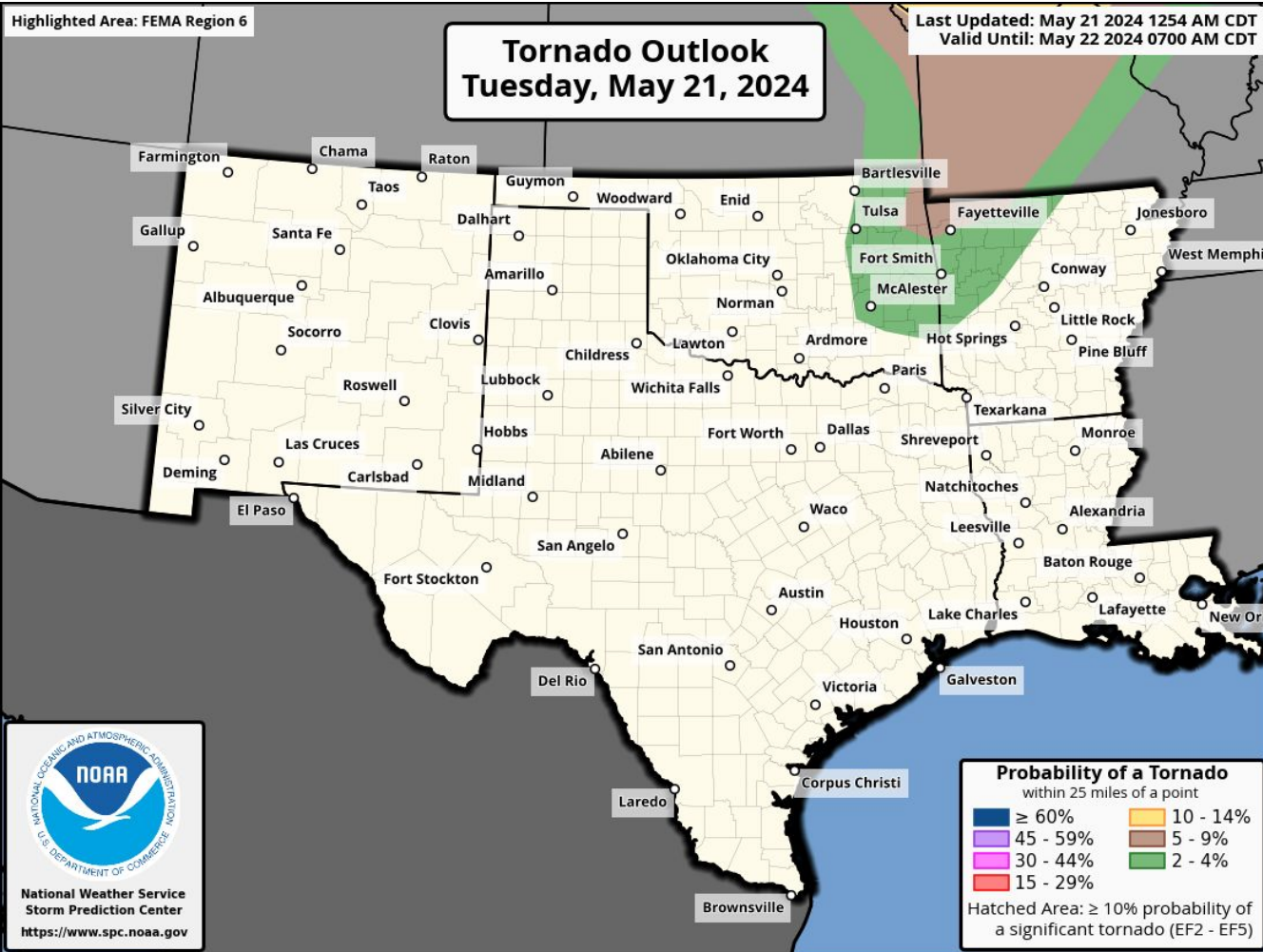
Thunderstorm Outlook Timing





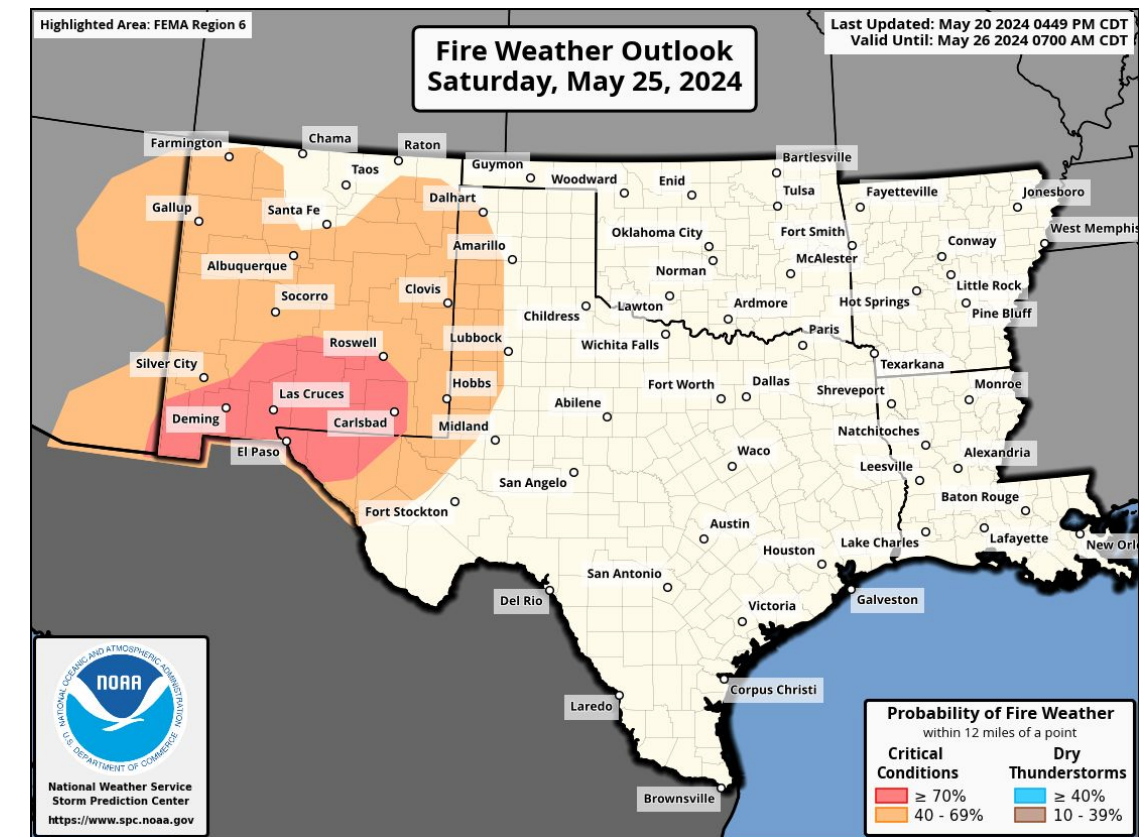
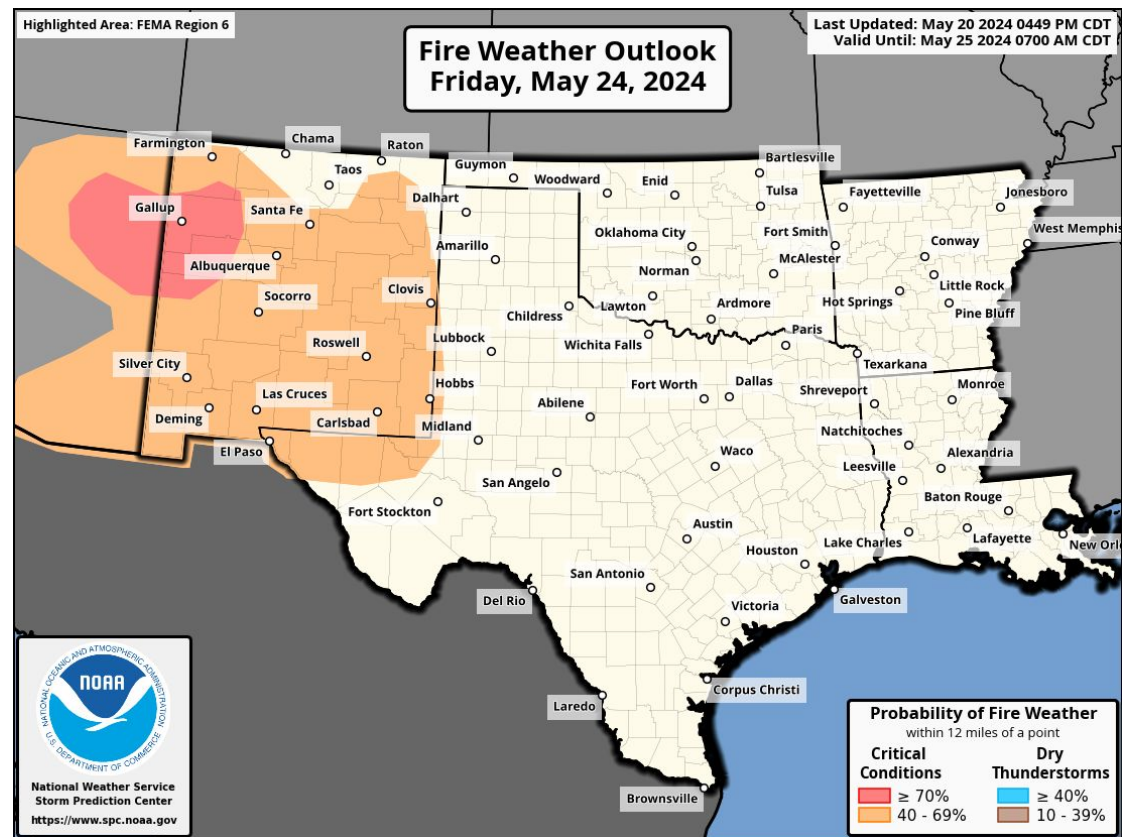
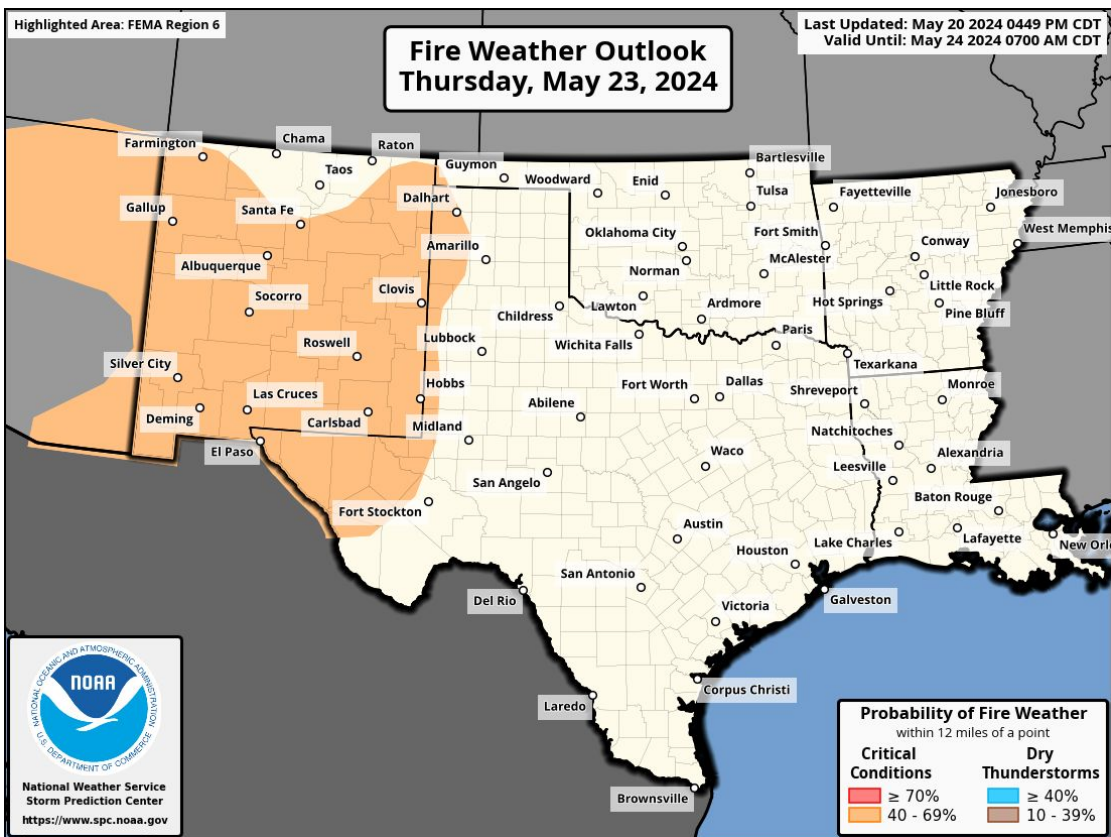
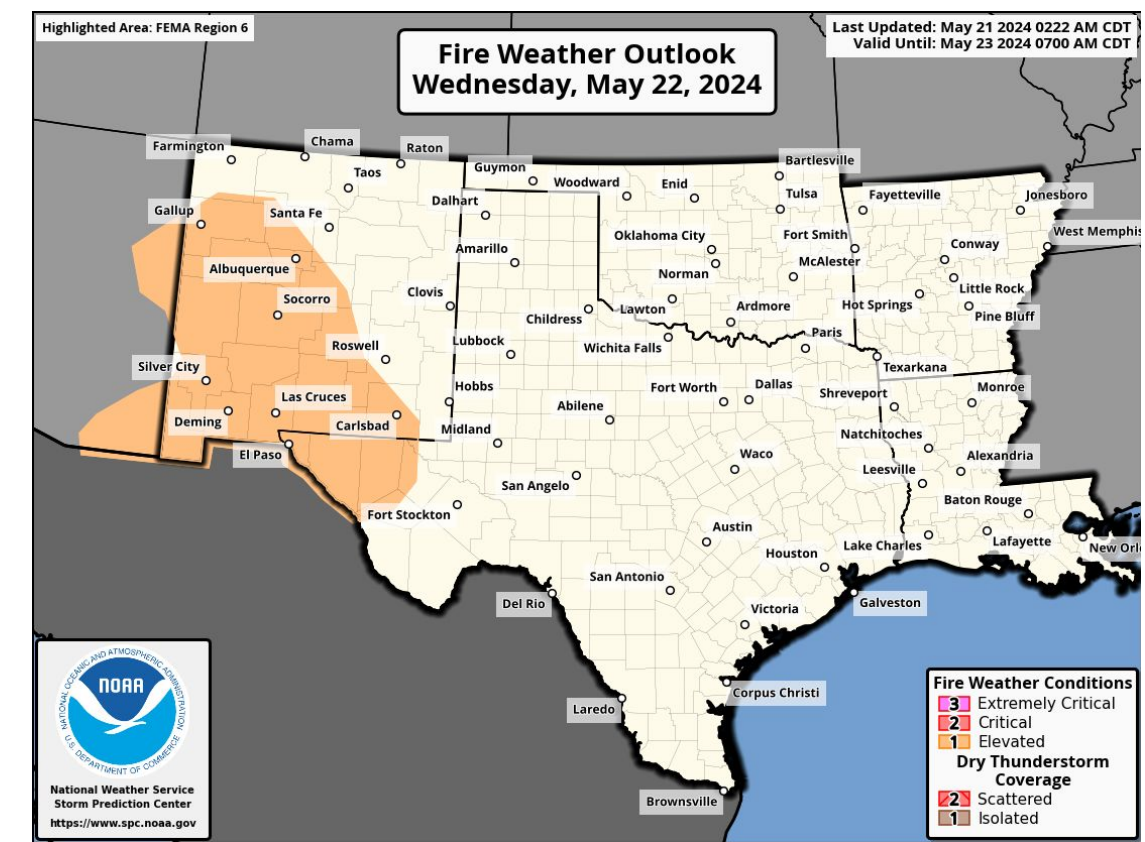
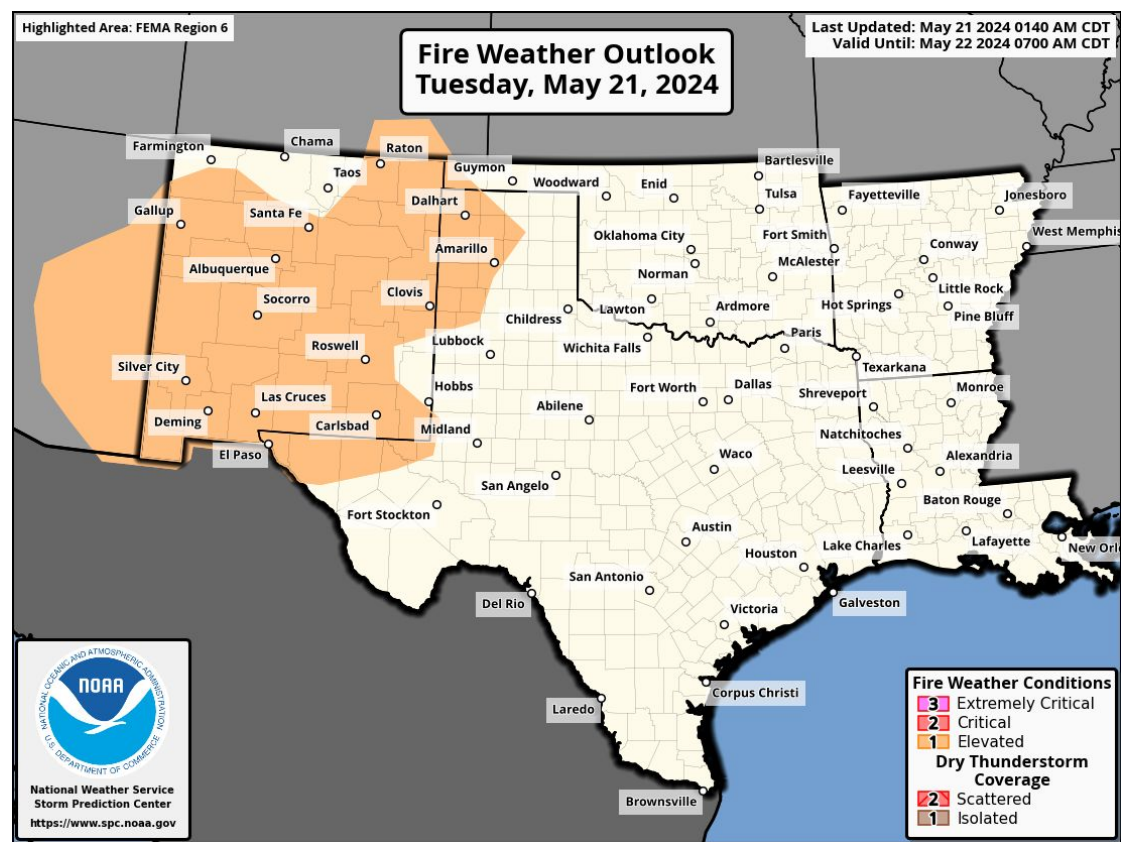
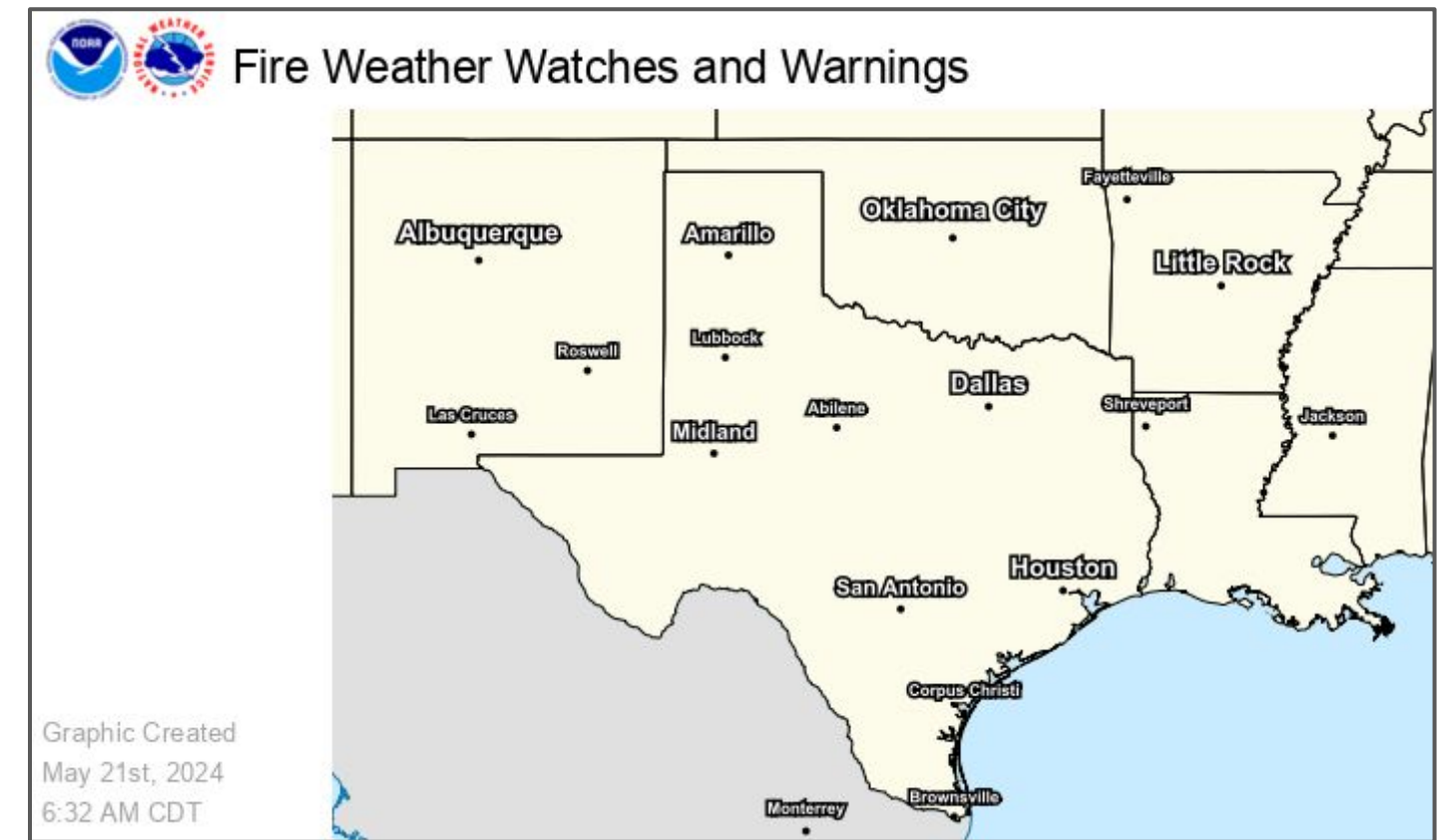
Today's Tornado & Severe Wind / Hail Probabilities

May 21, 2024



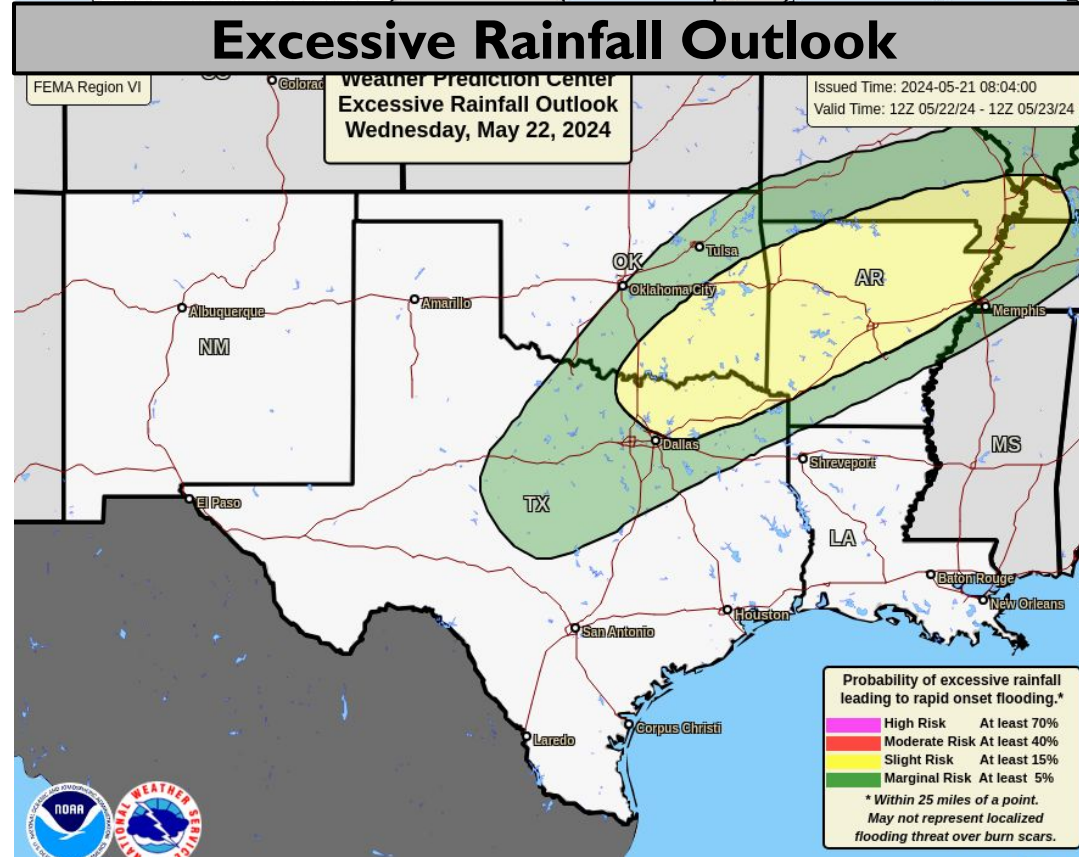
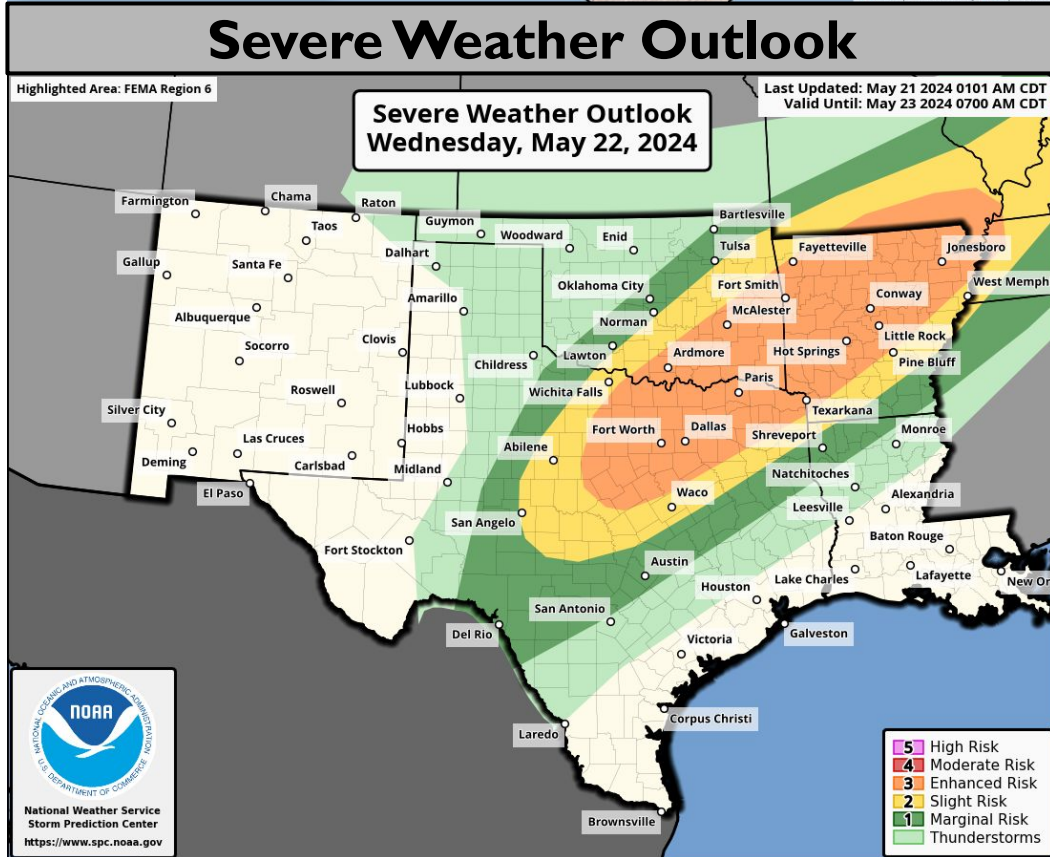
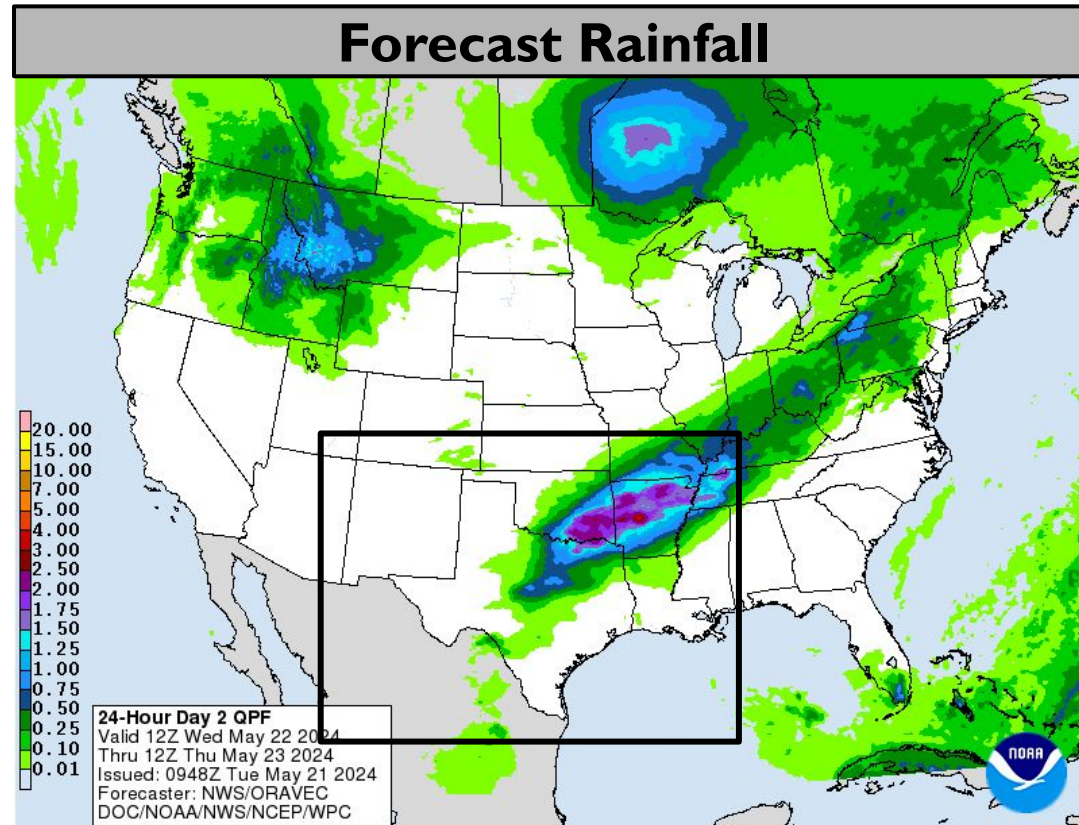
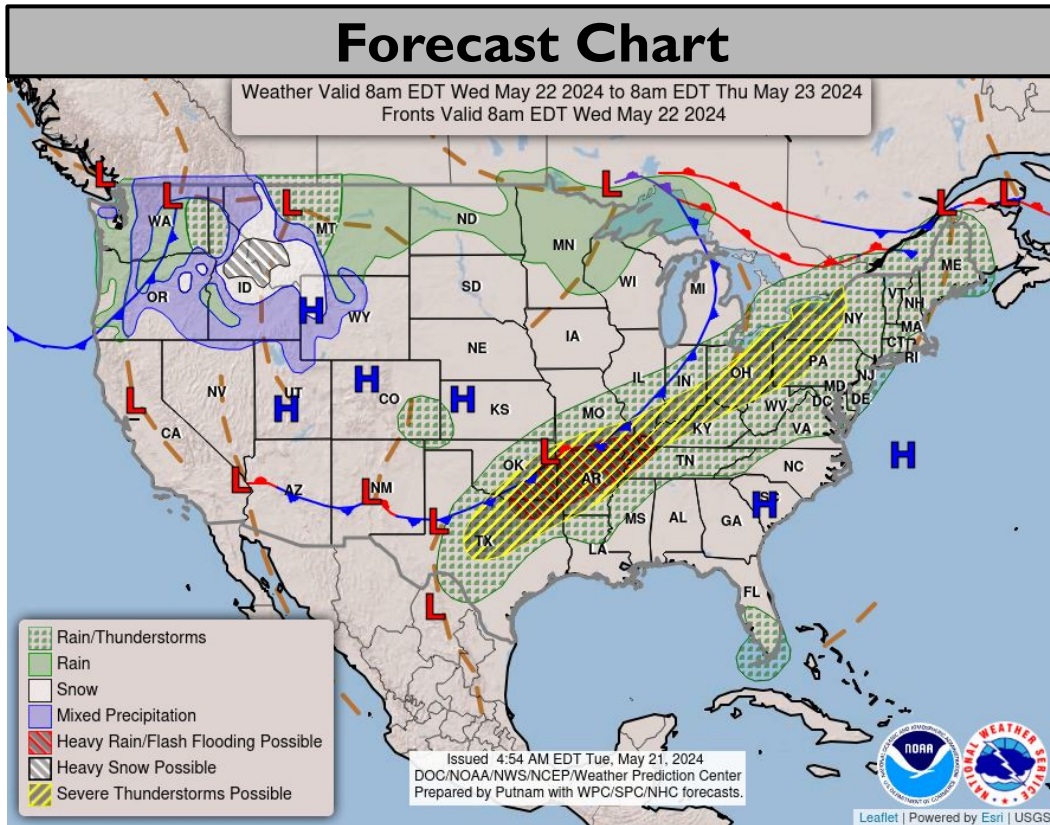


Fire Weather Outlooks





Tomorrow's Weather

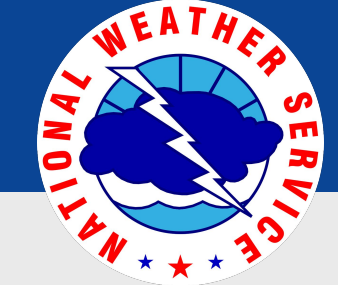


Enhanced risk for severe storms in SE OK, AR, N/W-Ctrl TX.

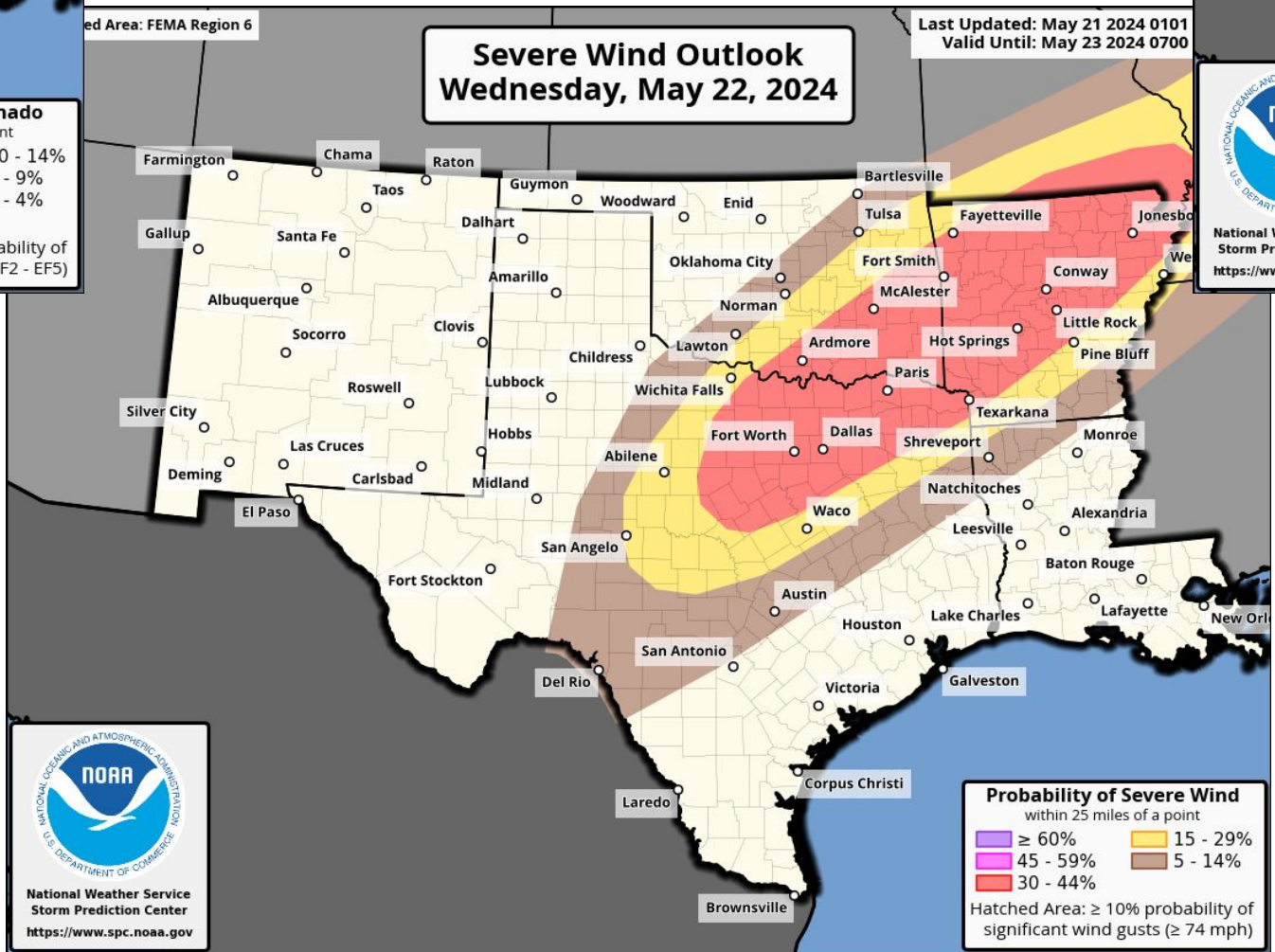
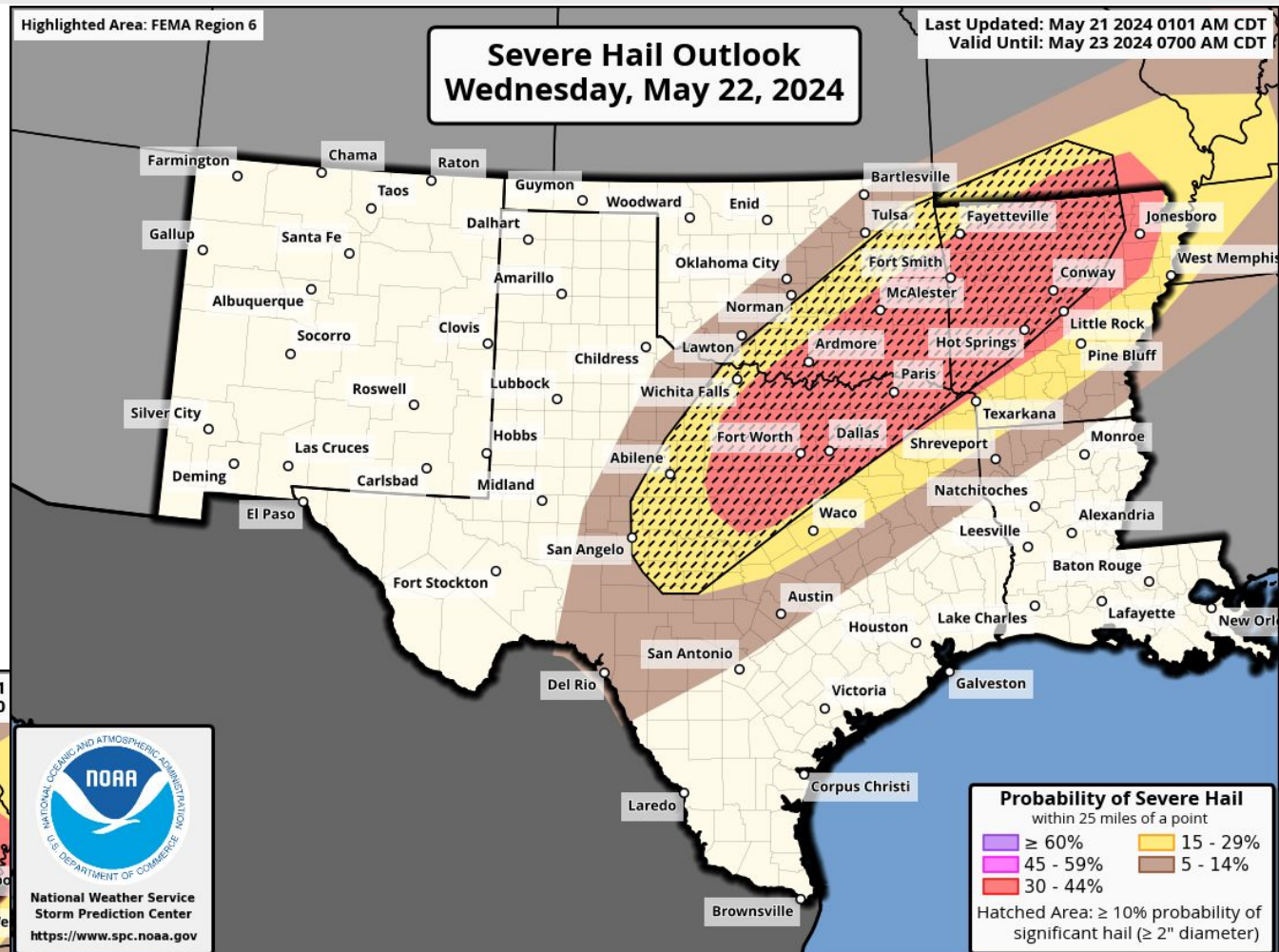
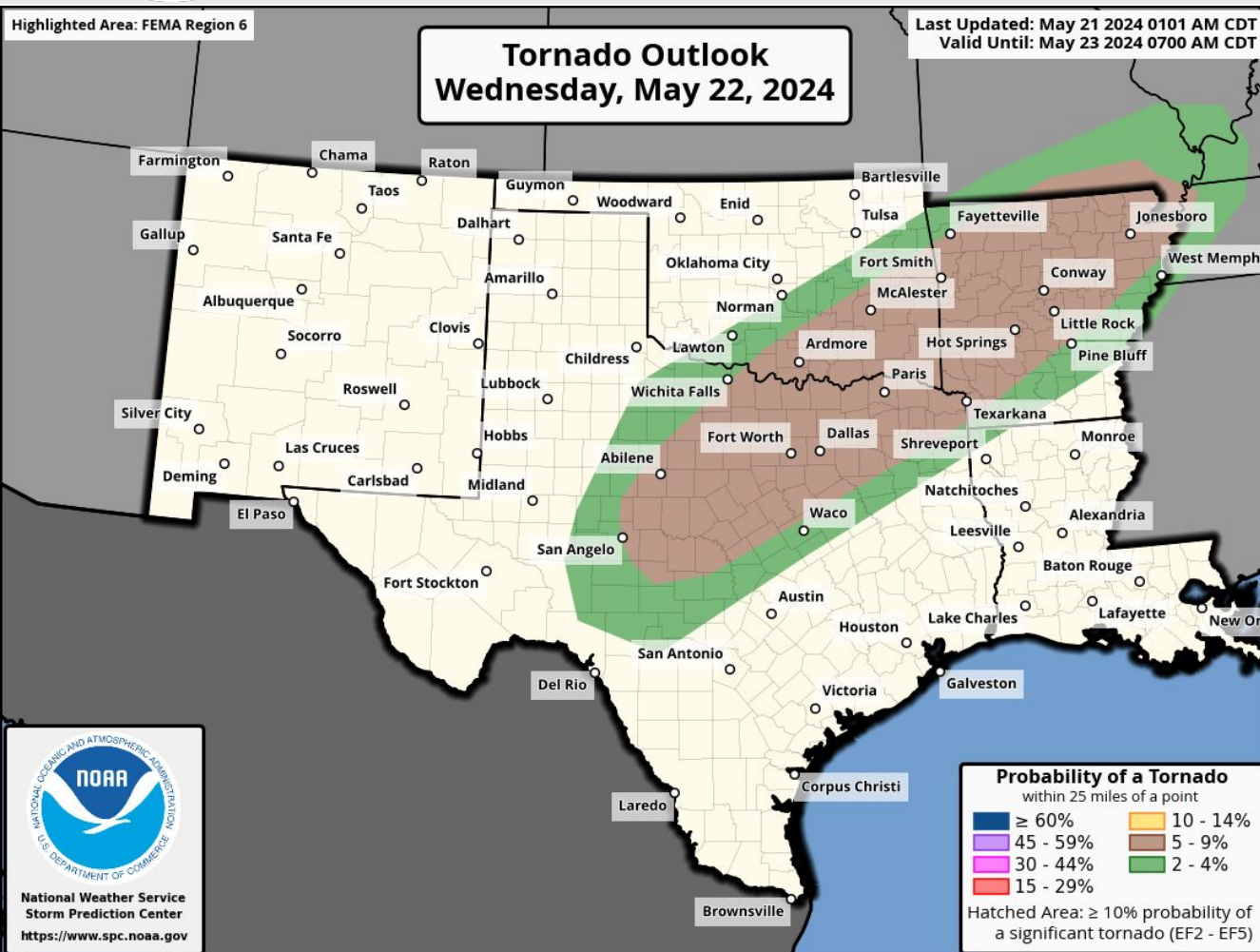
Slight risk for heavy rainfall in SE OK, AR, NETX.

Heat index values over 100 in SE TX and 105-115 in STX.

Elevated fire weather conditions in NM, Far W TX.



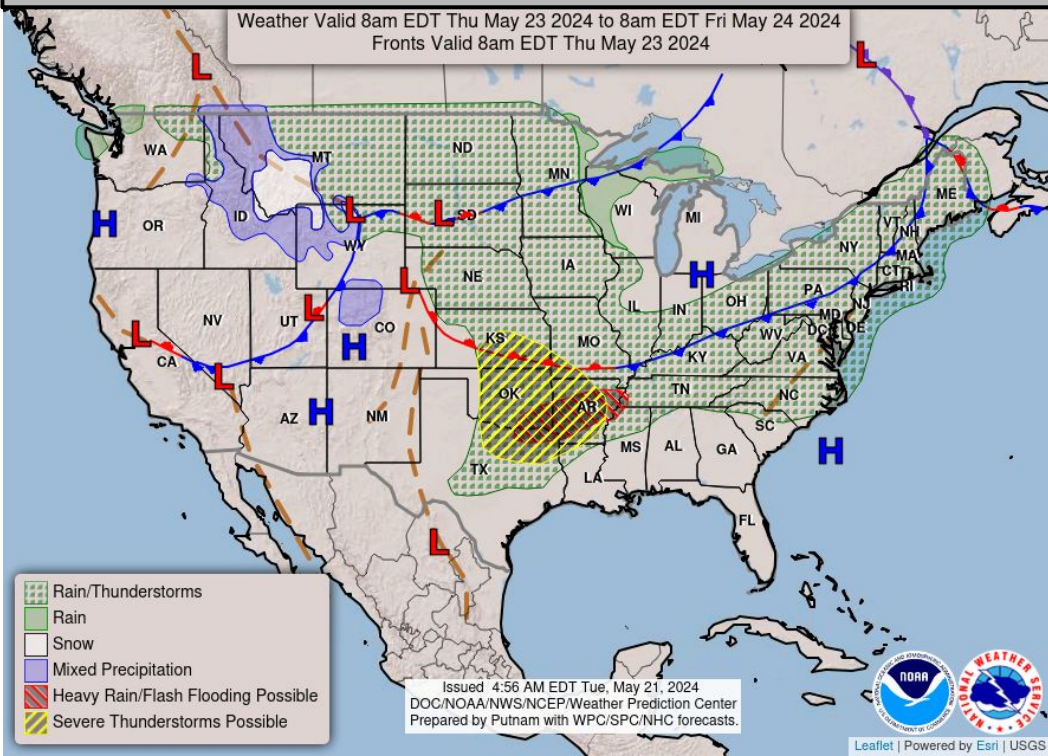
Tomorrow's Tornado & Severe Wind / Hail Probabilities



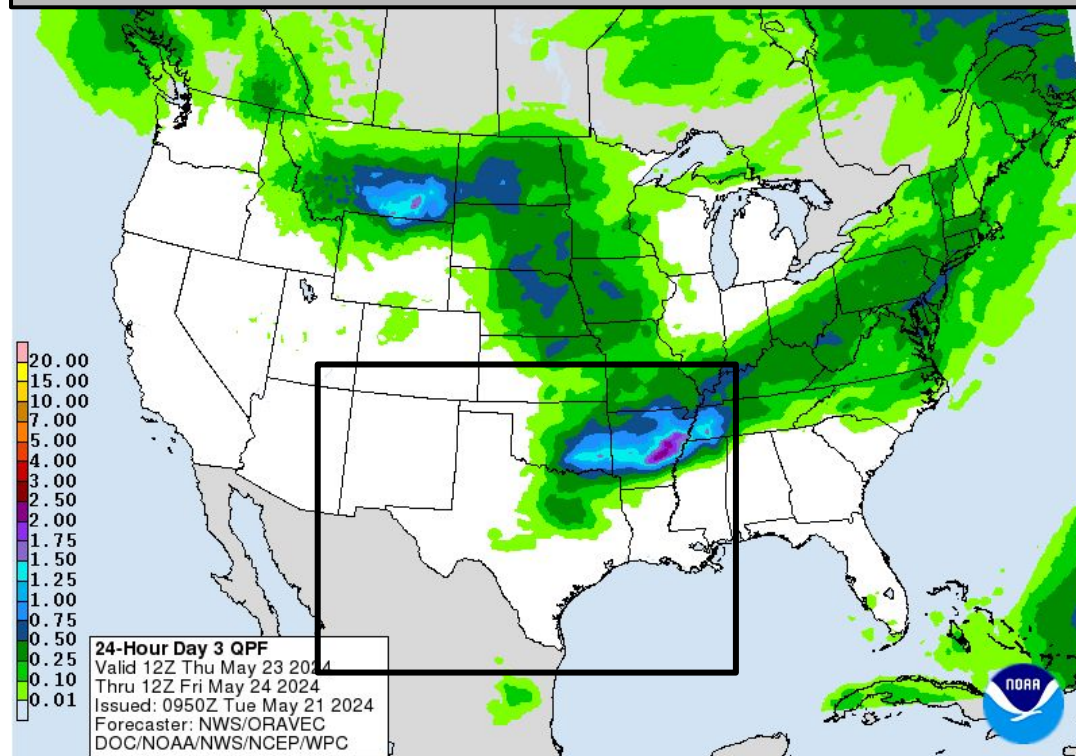


Thursday's Weather

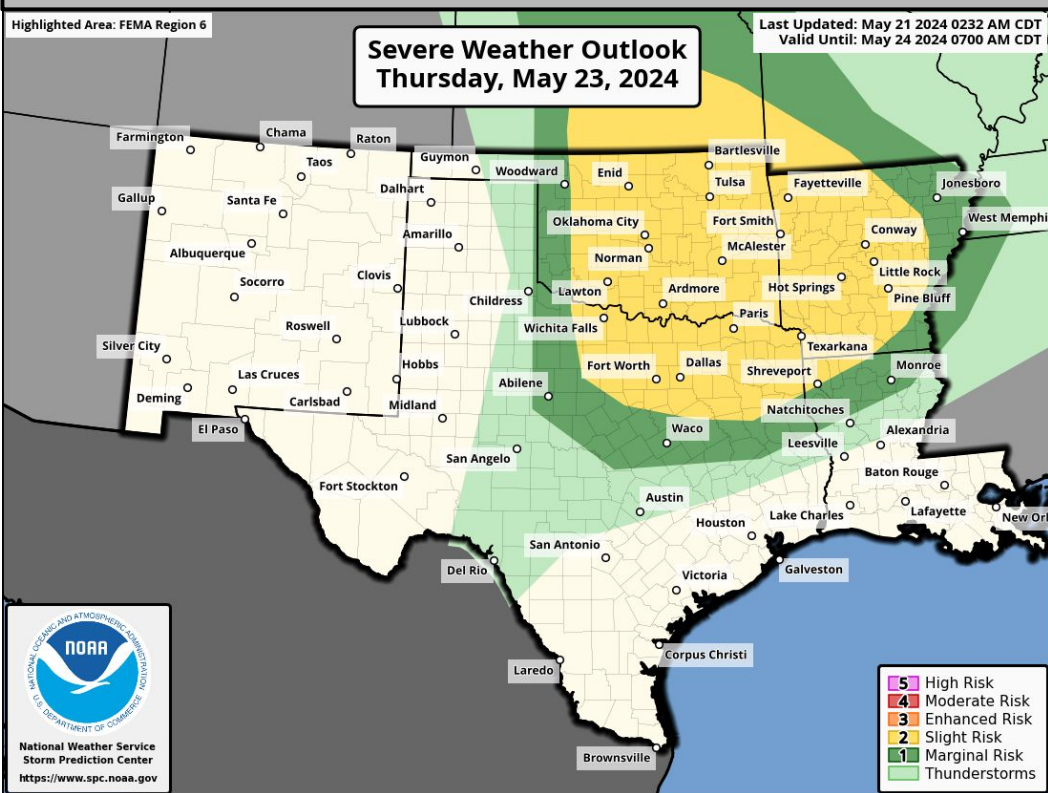
Forecast Chart



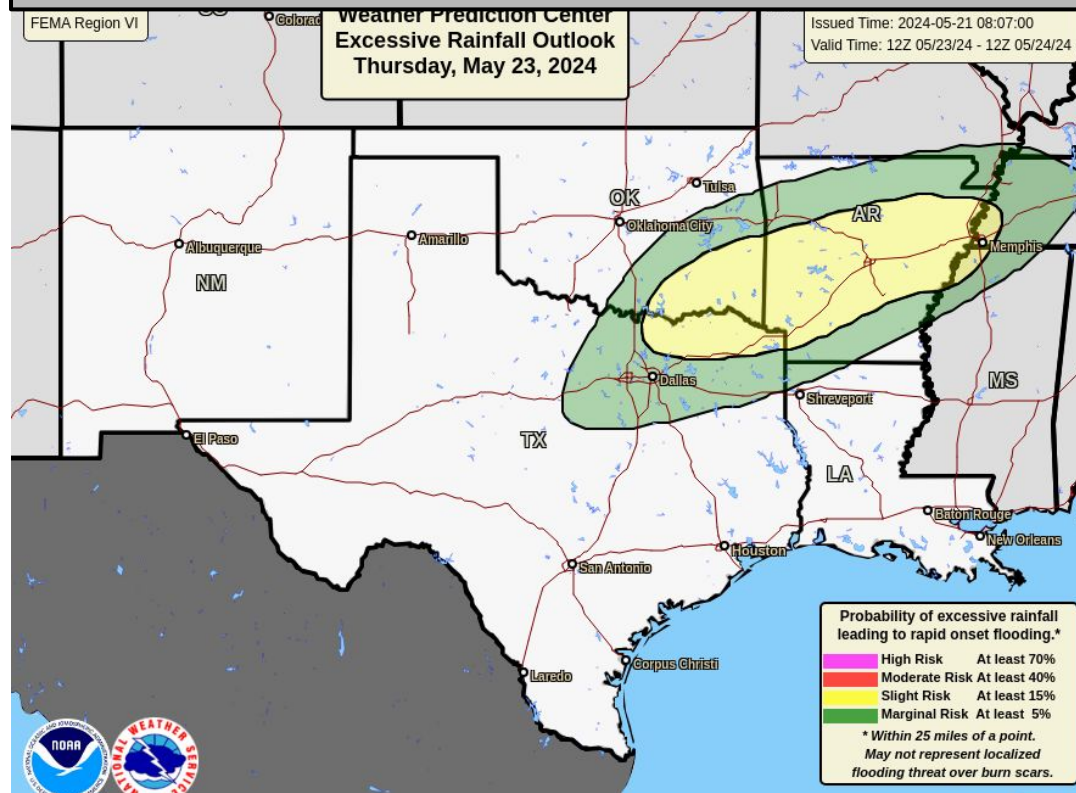
Forecast Rainfall



Severe Weather Outlook



Excessive Rainfall Outlook



Slight risk for severe storms over OK, AR, N TX, N LA.

Slight risk for heavy rainfall in SE OK, AR, N ETX.

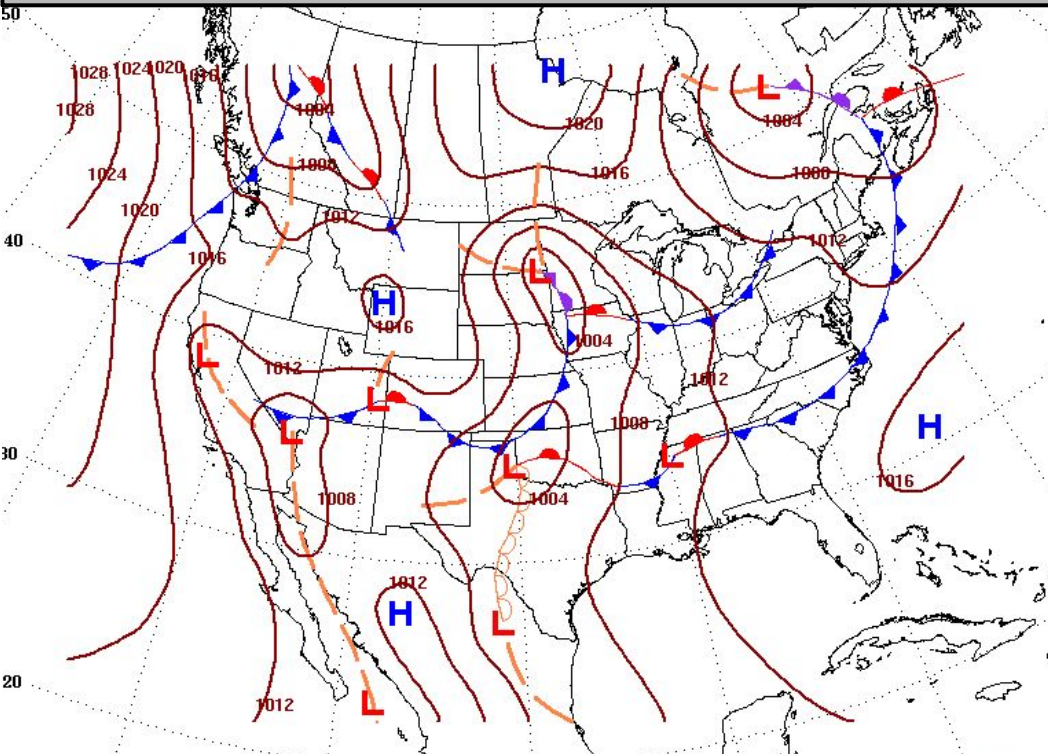
Heat index values over 100 in SE TX and 105-115 in STX.

Elevated fire weather conditions in NM, Far W TX.

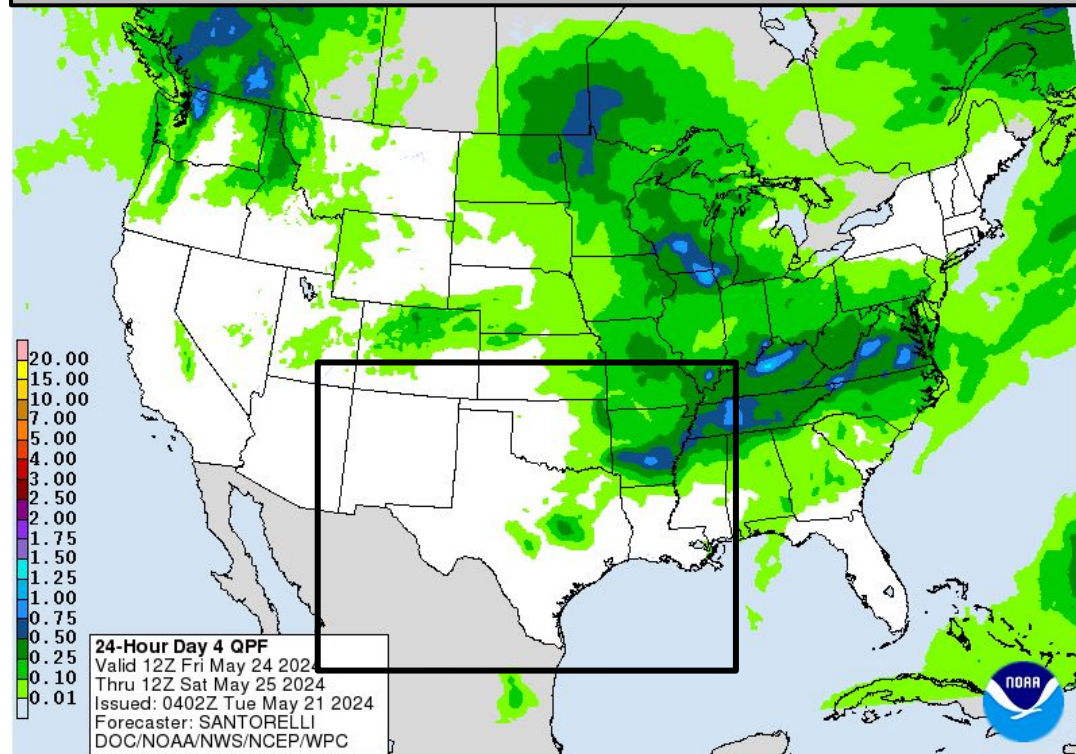


Friday's Weather

Forecast Chart



Forecast Rainfall

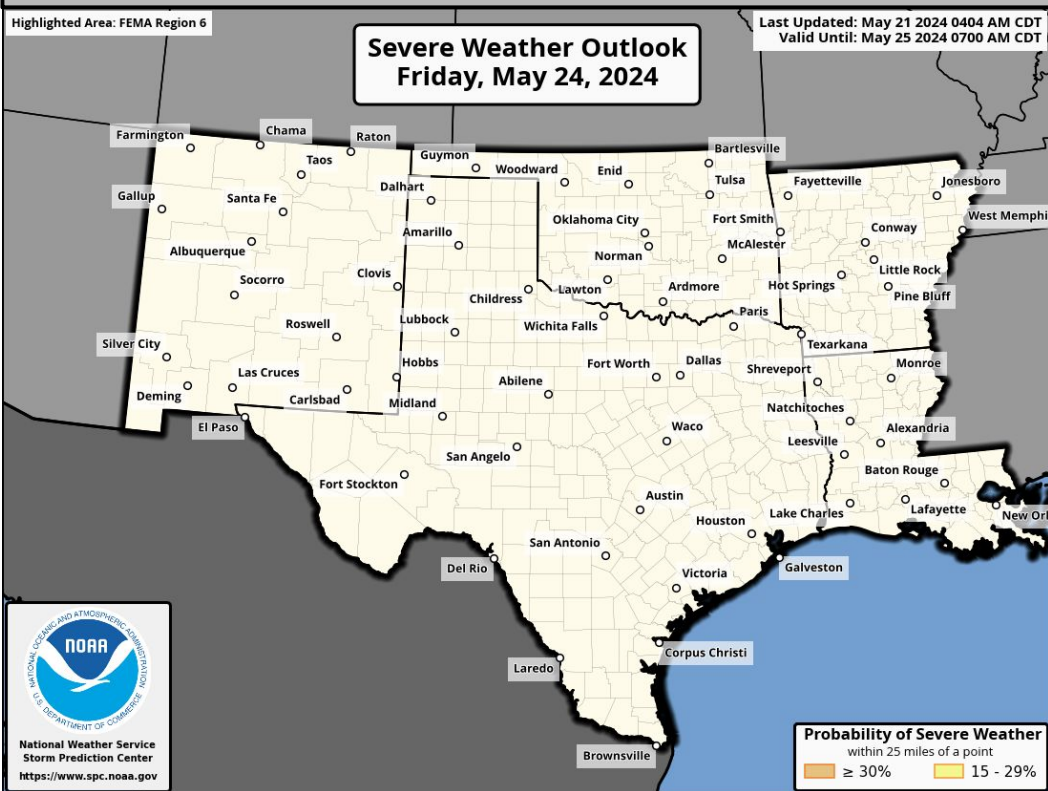


Heat index values over 100 in SE TX and 110-117 in STX.

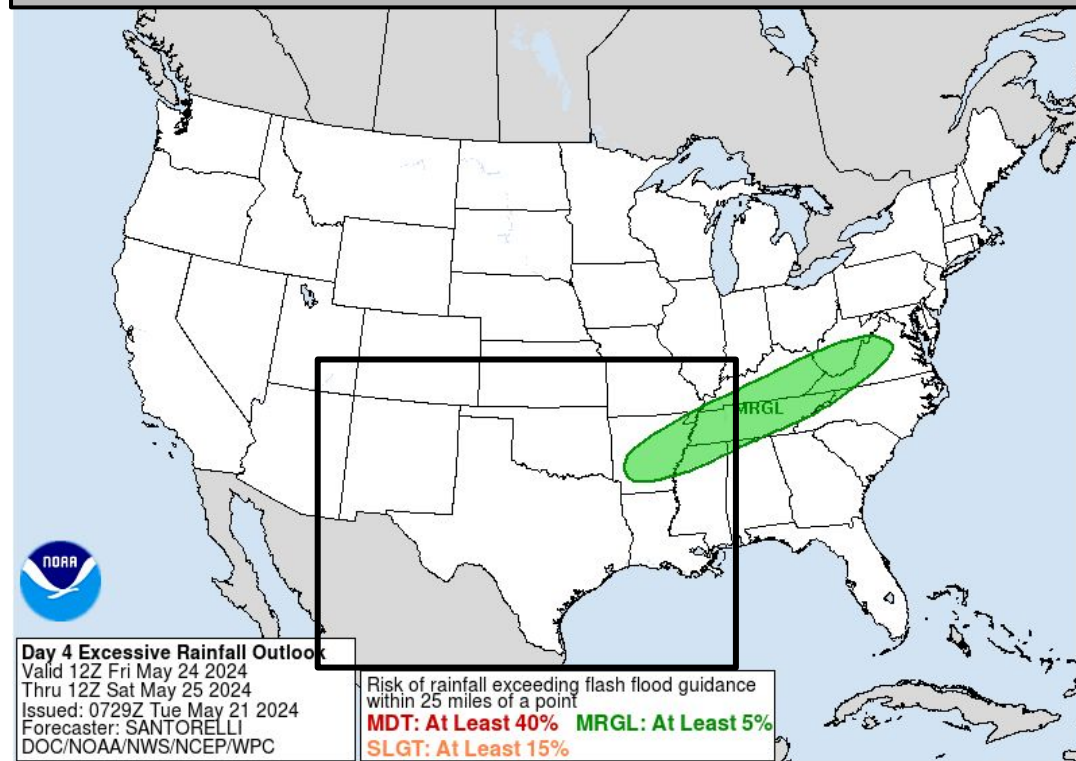
Marginal risk of excessive rainfall across AR.

Elevated fire weather conditions in NM, Far W TX.

Severe Weather Outlook



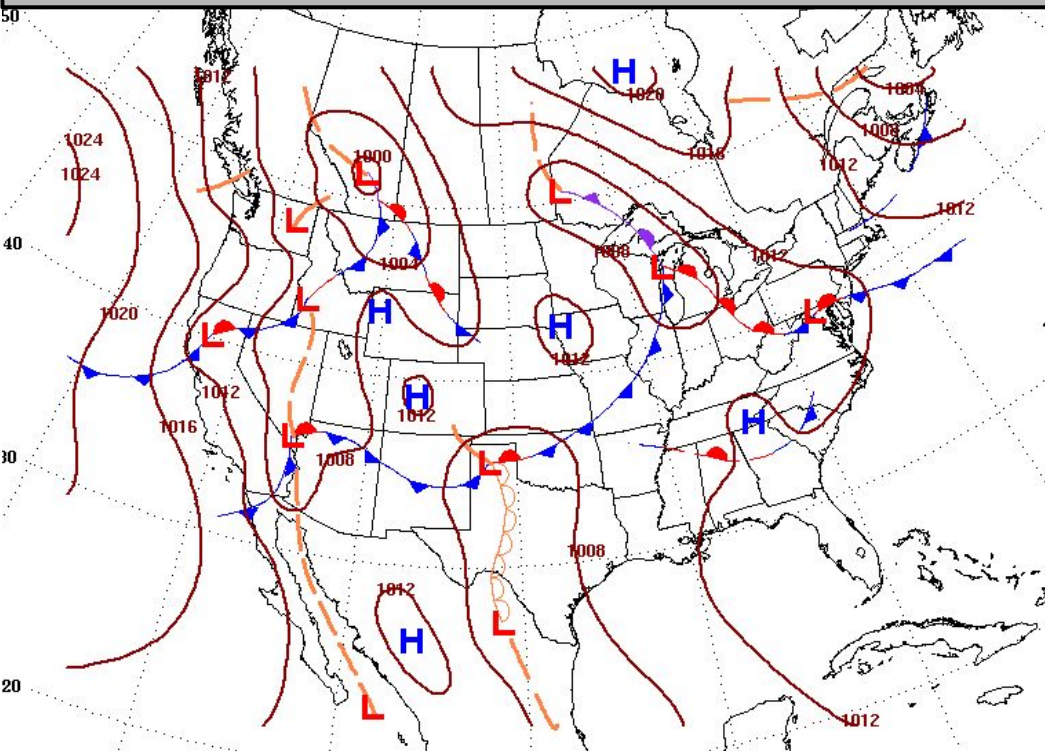
Excessive Rainfall Outlook



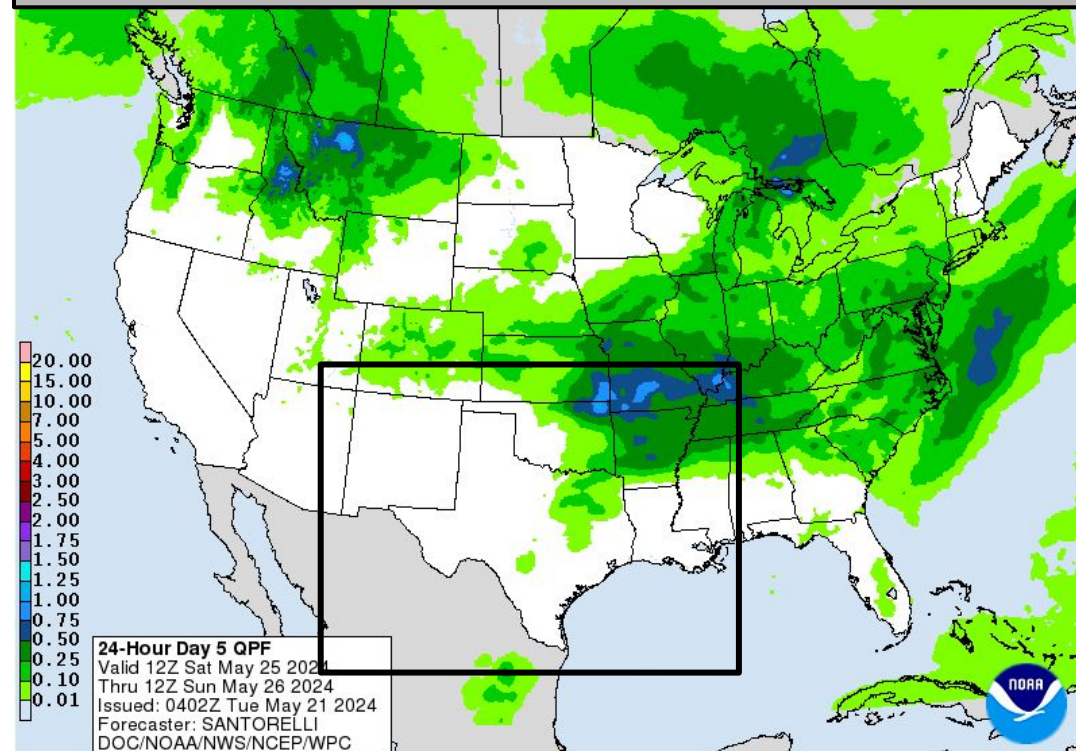


Saturday's Weather

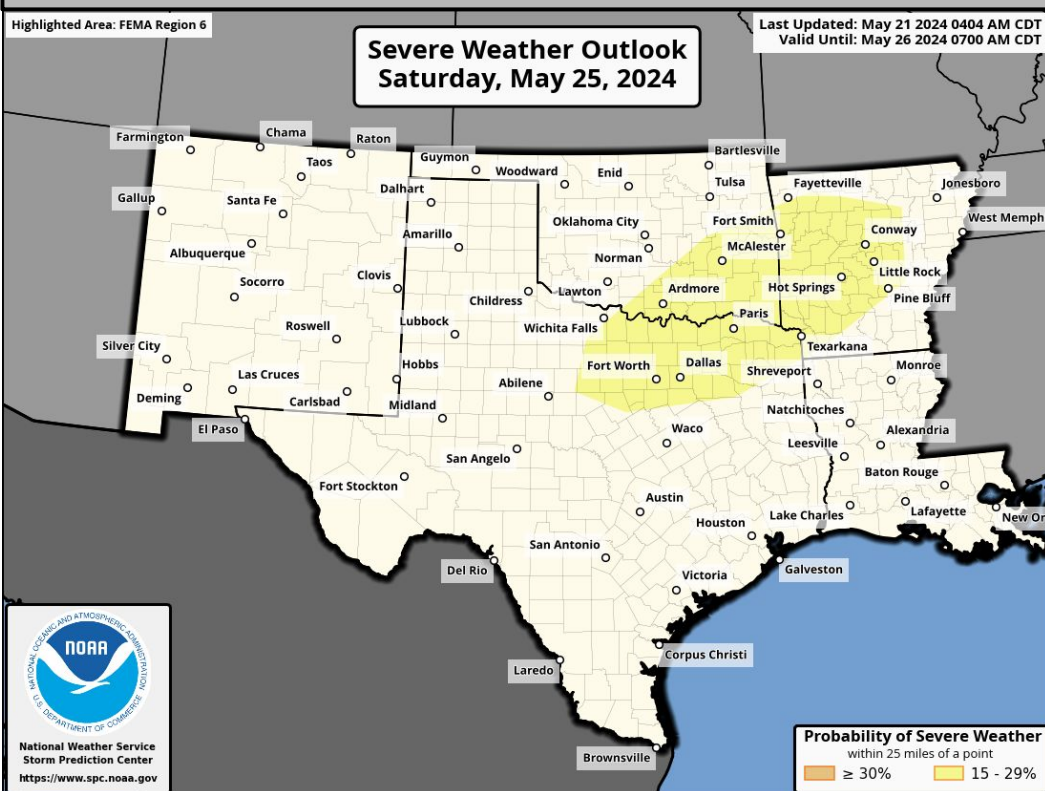
Forecast Chart



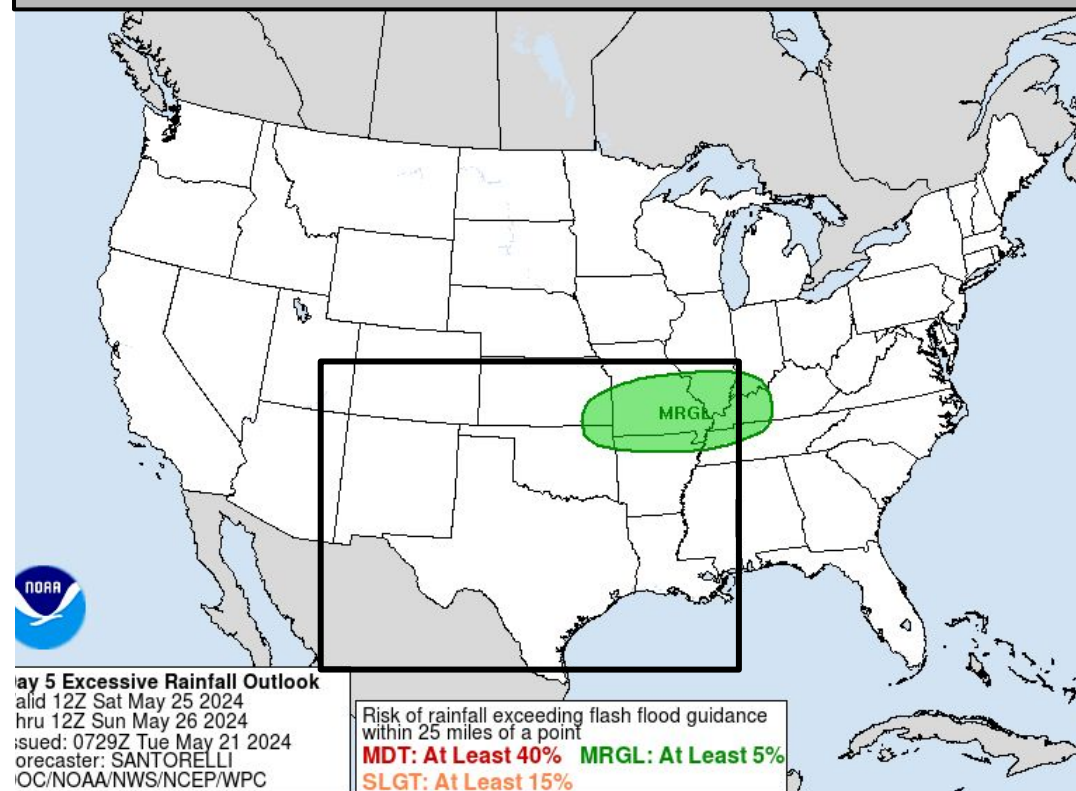
Forecast Rainfall



Severe Weather Outlook



Excessive Rainfall Outlook



Heat index values of 105-117 in S/SETX.

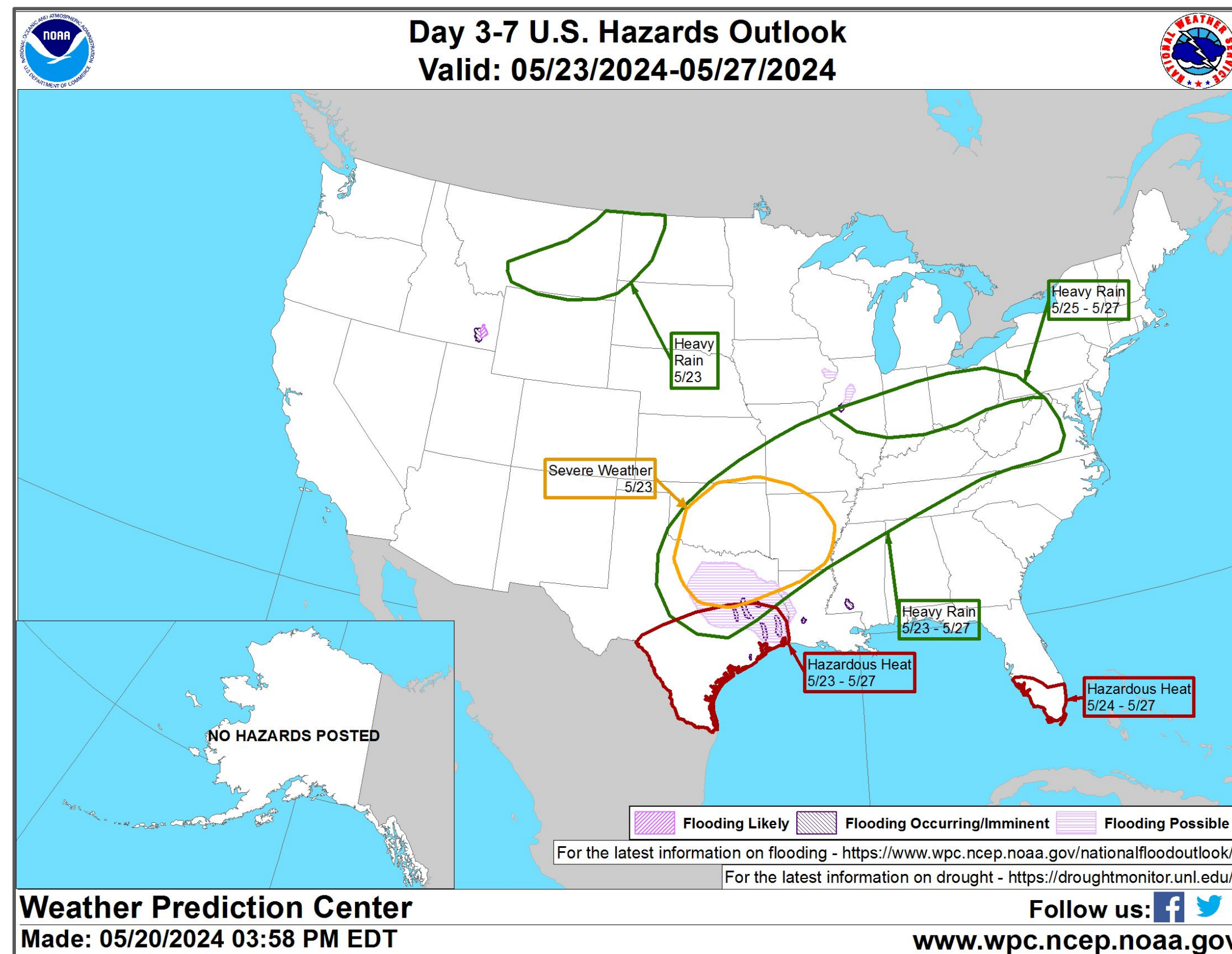
Slight risk of severe storms across SE OK, AR, N TX.

Marginal risk of excessive rainfall across NE OK, N AR.

Elevated fire weather conditions in NM, Far W TX.



“Day 3-7” Hazards Outlook



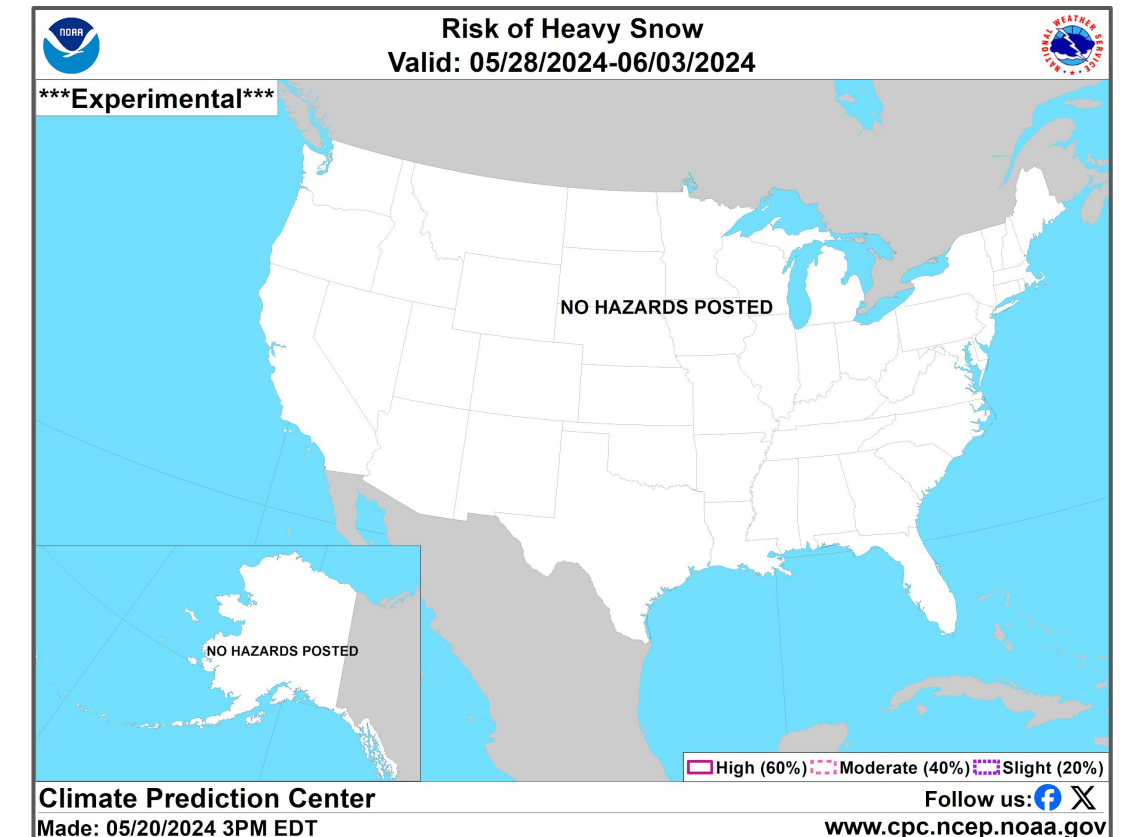
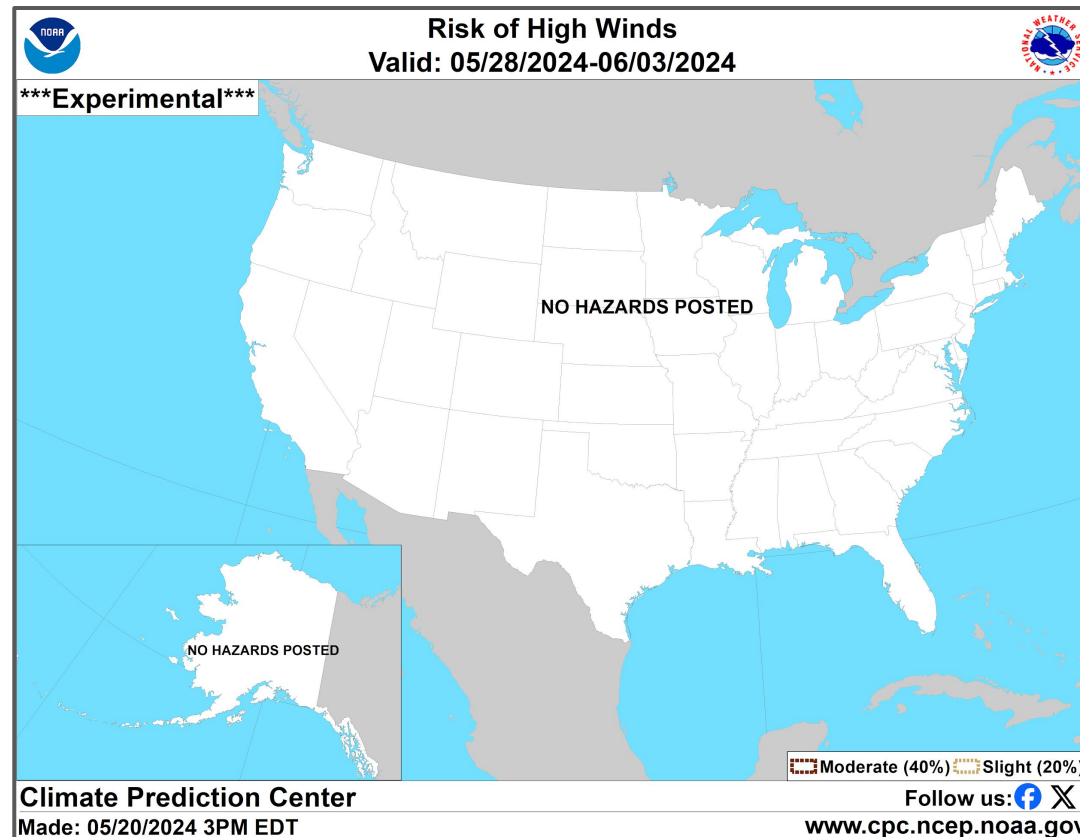
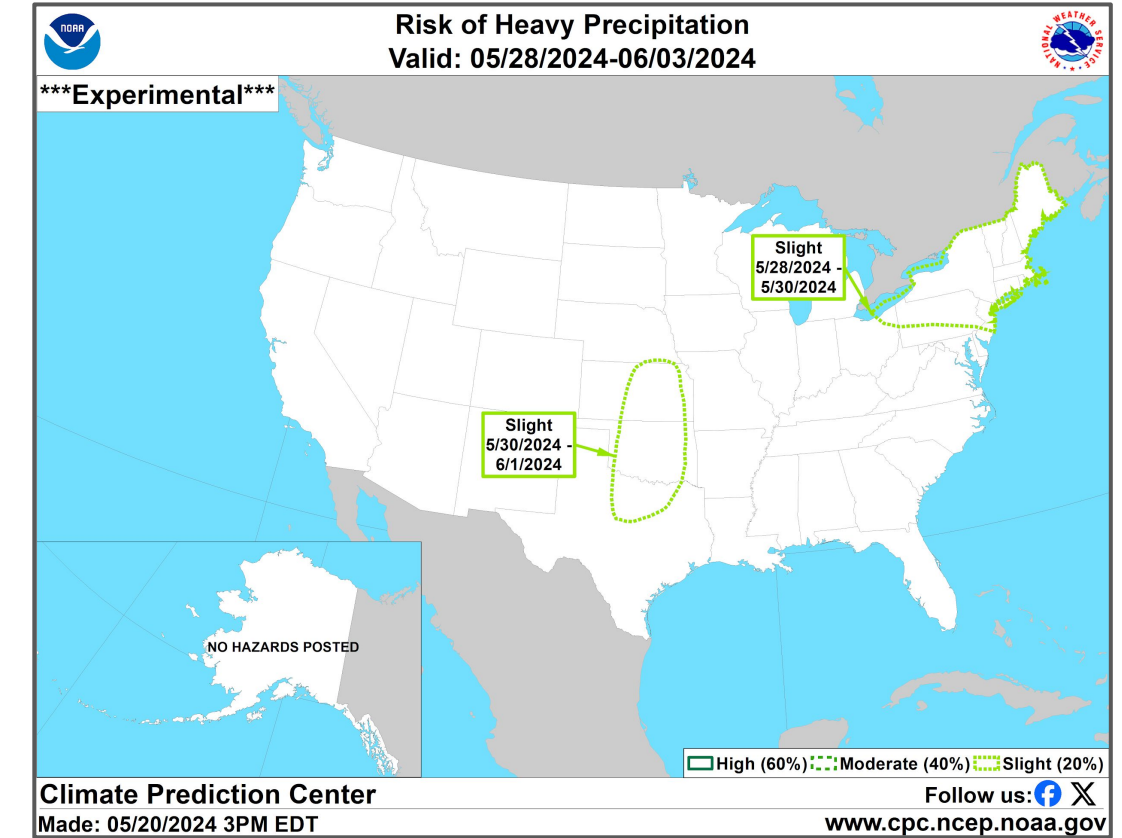
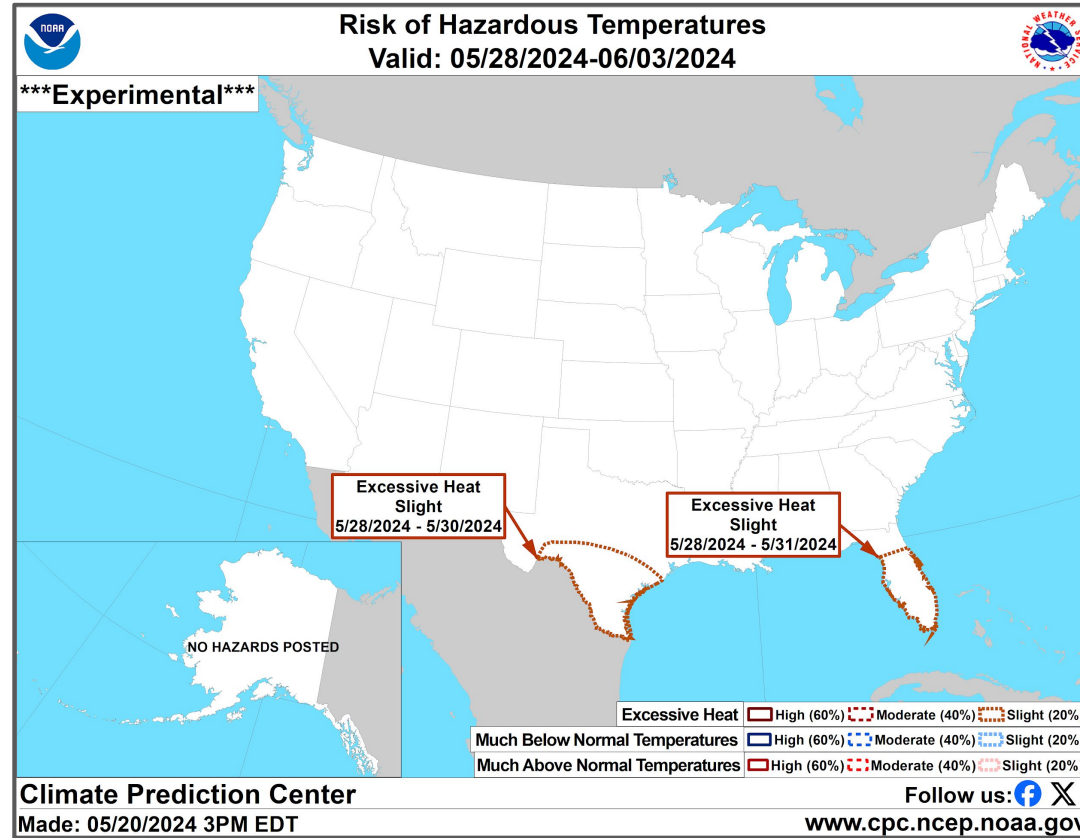
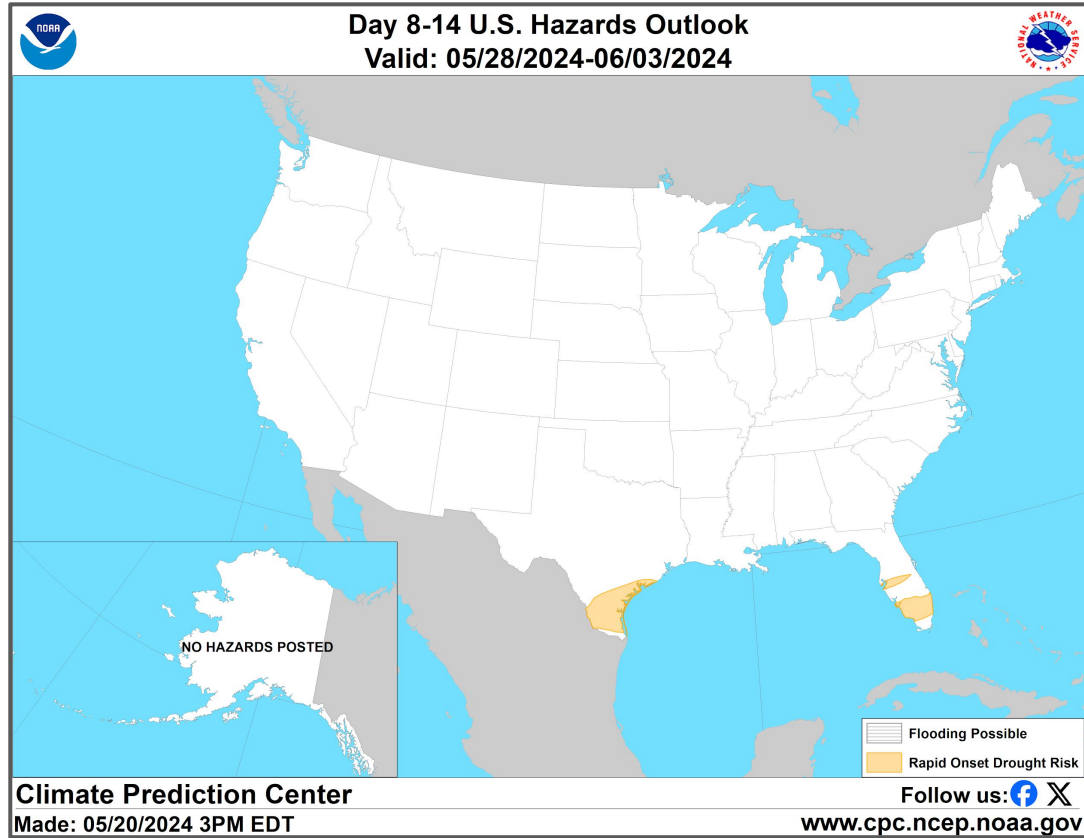
NOTE: These outlooks are issued in the afternoon and only issued on weekdays. Because of that and the fact that these slides are issued in the mornings:

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>



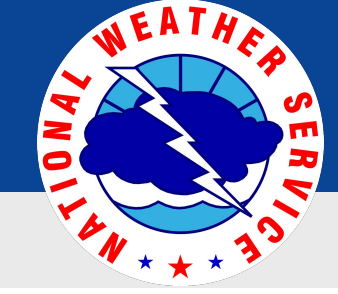
“Day 8-14” Hazards Outlook



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:

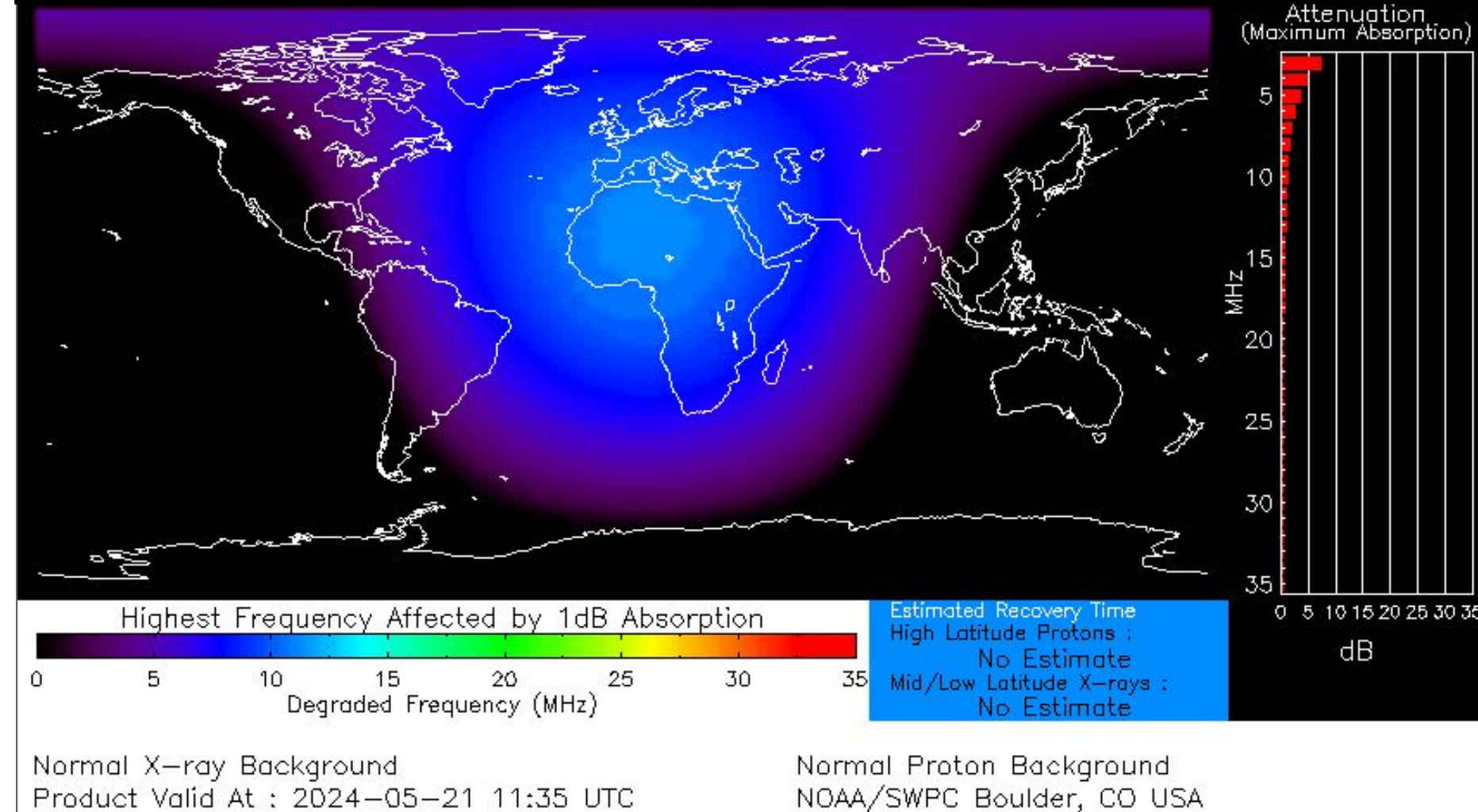
1. The “day 8-14” will really be days 7-13
2. This slide will be hidden on Mondays and Sundays so the data/information is not too old

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



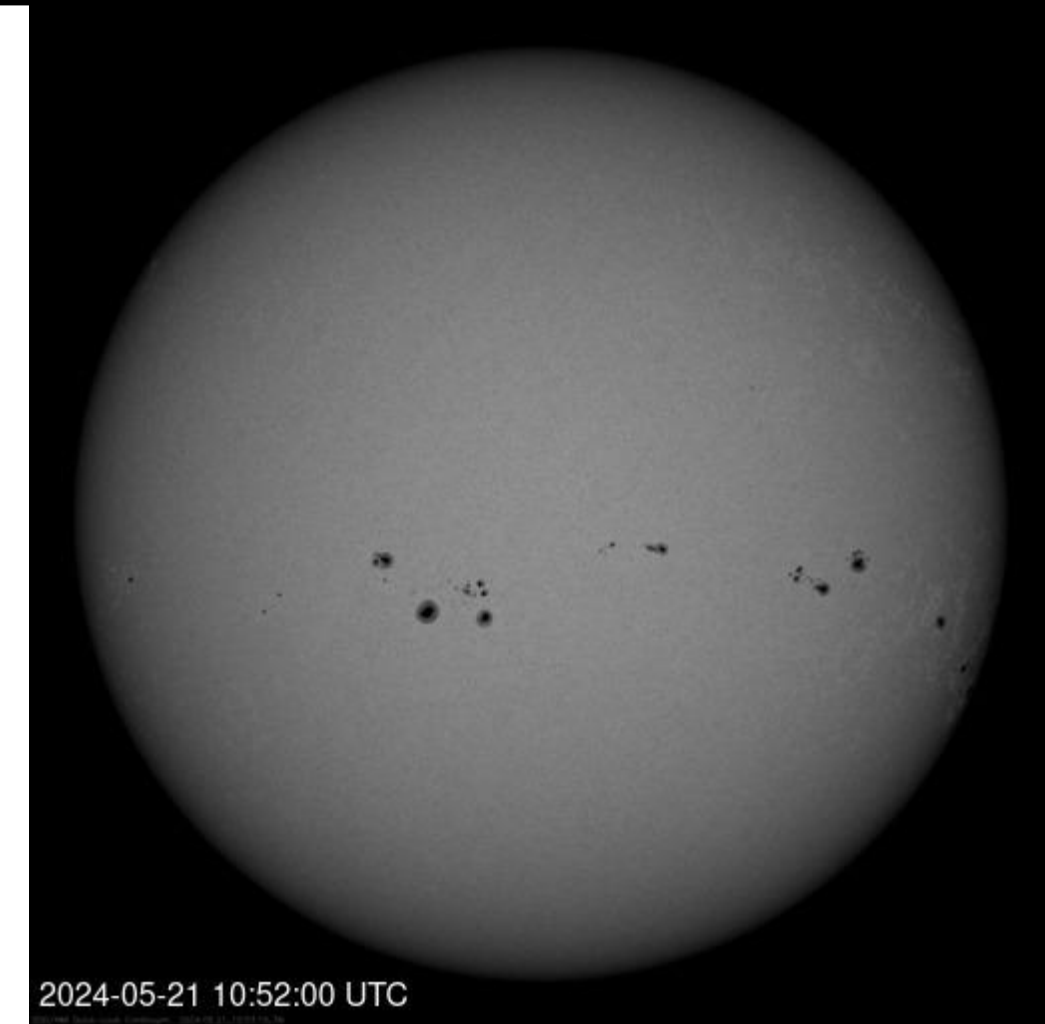
Space Weather 3-Day Forecast

	Tuesday, May 21	Wednesday, May 22	Thursday, May 23
Geomagnetic Storms	Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	10%	10%	10%
Radio Blackout (R1-R2)	55%	55%	50%
Radio Blackout (R3-R5)	10%	10%	10%



[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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Regional Operations Center

Fort Worth, TX



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Web: www.weather.gov/srh

