



FEMA



Prepared by
Melissa Huffman

FEMA Region 6 Weather Threat Briefing

Monday, May 20, 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

- **Slight risk area for severe thunderstorms across OK, NW AR on Tuesday; SE OK, AR, N/W-Ctrl TX on Wednesday; and OK, AR, NE TX, N LA on Thursday. Late week storms may have heavy rainfall.**
- **Early season heat ramps up starting today in S TX and 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.**
- **No tropical cyclone activity is expected during the next 7 days.**





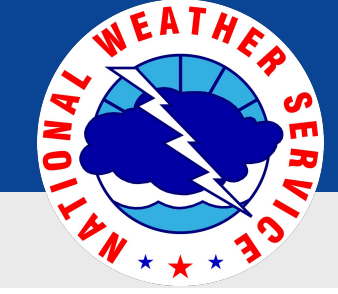
FEMA Region 6 Threat Matrix

Next 5 Days

	Monday, May 20	Tuesday, May 21	Wednesday, May 22	Thursday, May 23	Friday, May 24
Severe Storms		OK, NW AR	SE OK, AR, N/W-Ctrl TX	OK, AR, NETX, N LA	
Heavy Rain / Flash Flooding		E OK, NW AR	SE OK, AR, NETX	SE OK, AR, NETX	
Fire Weather	NM, WTX	NM, WTX, TX/OK Panhandle	NM, WTX	NM, WTX	NM, WTX
Wind					
Heat	STX	STX	STX	STX	STX
River Flooding	E/SETX, LA	E/SETX, LA	E/SETX, LA	E/SETX, LA	E/SETX, 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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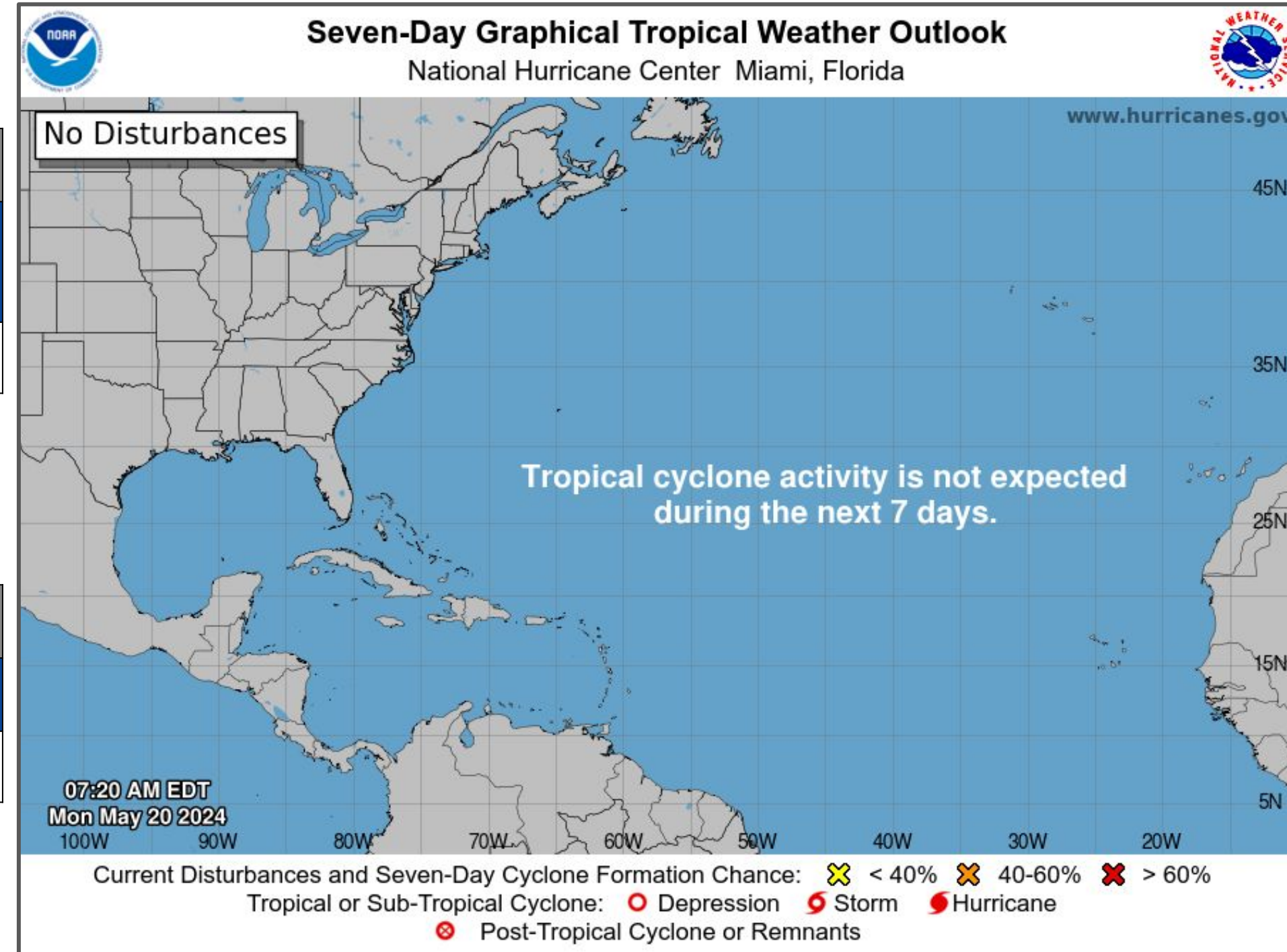
Tropical Weather Outlook – Atlantic/Gulf

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

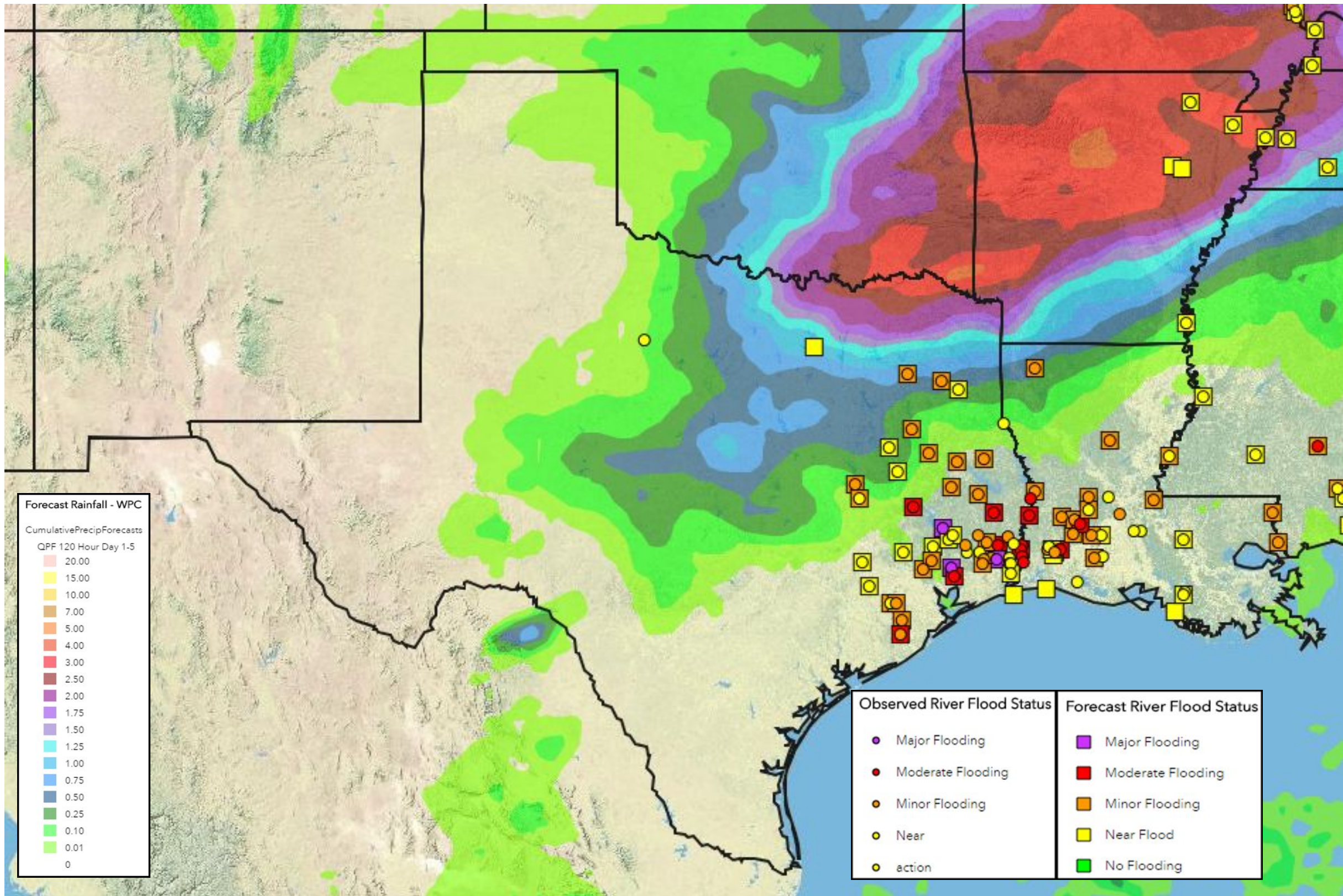




5-Day Precipitation Forecast & River Flood Status

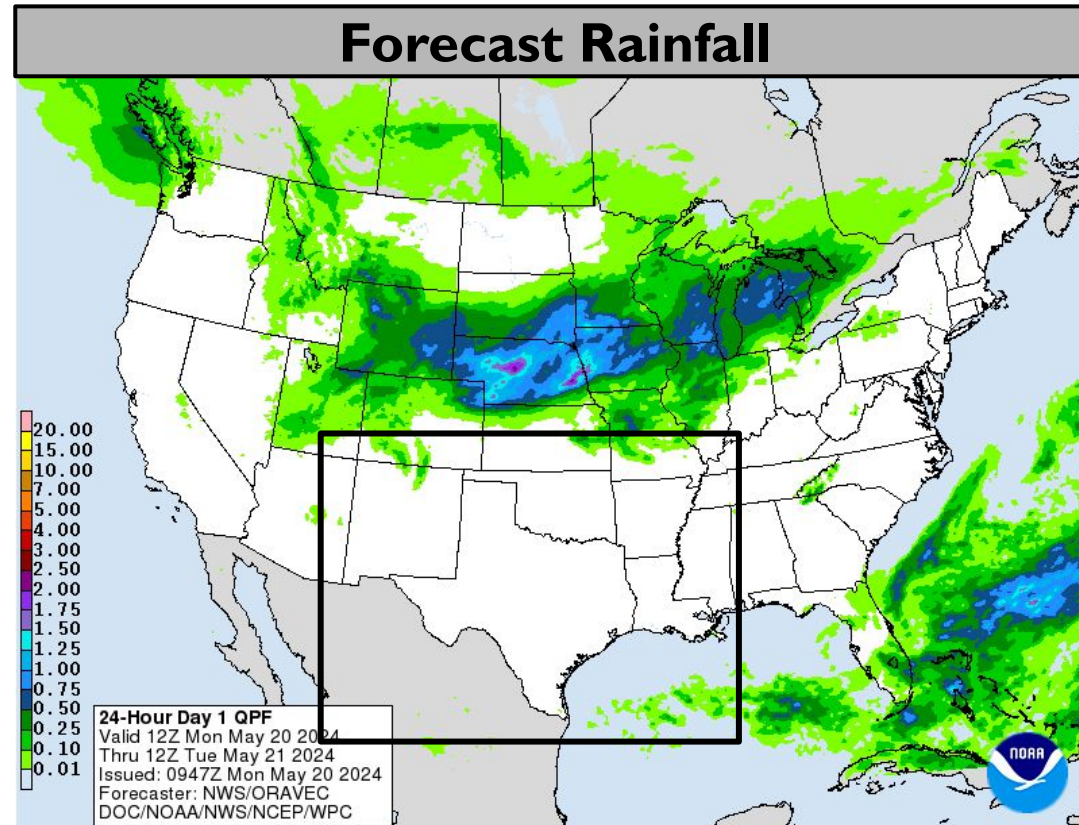
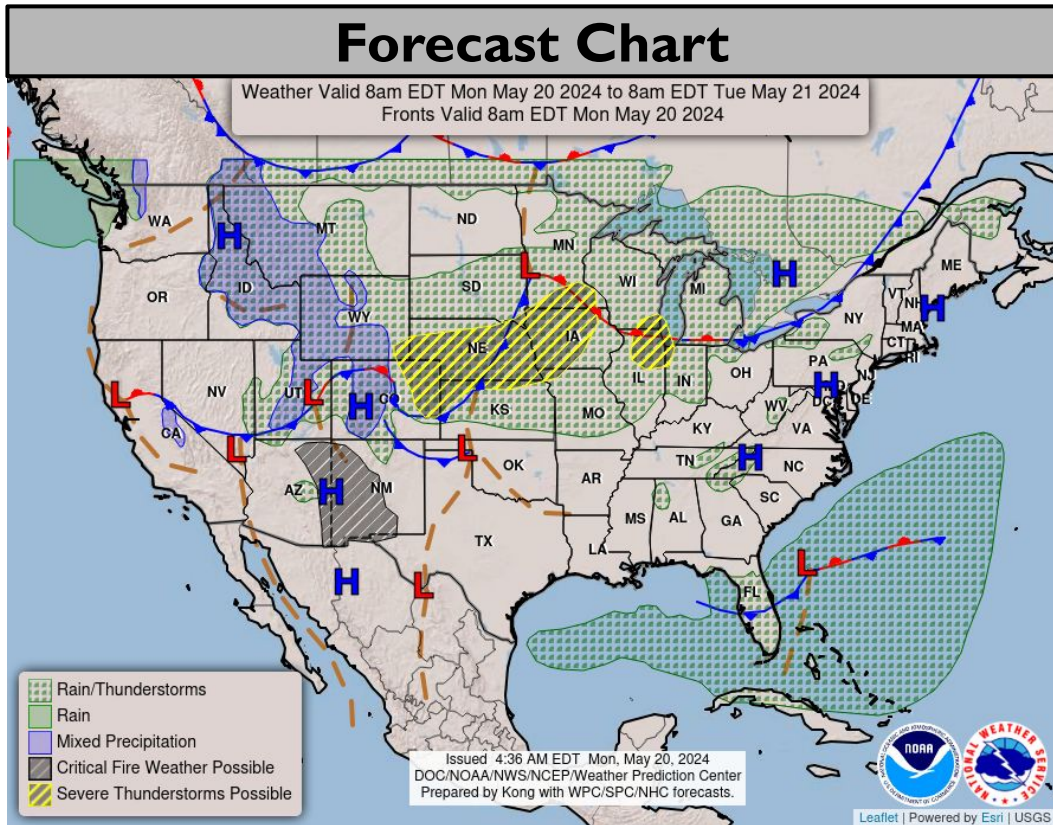
Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall

Moderate/Major river flooding SE TX and LA. Homes, roads, and agricultural areas are flooded.



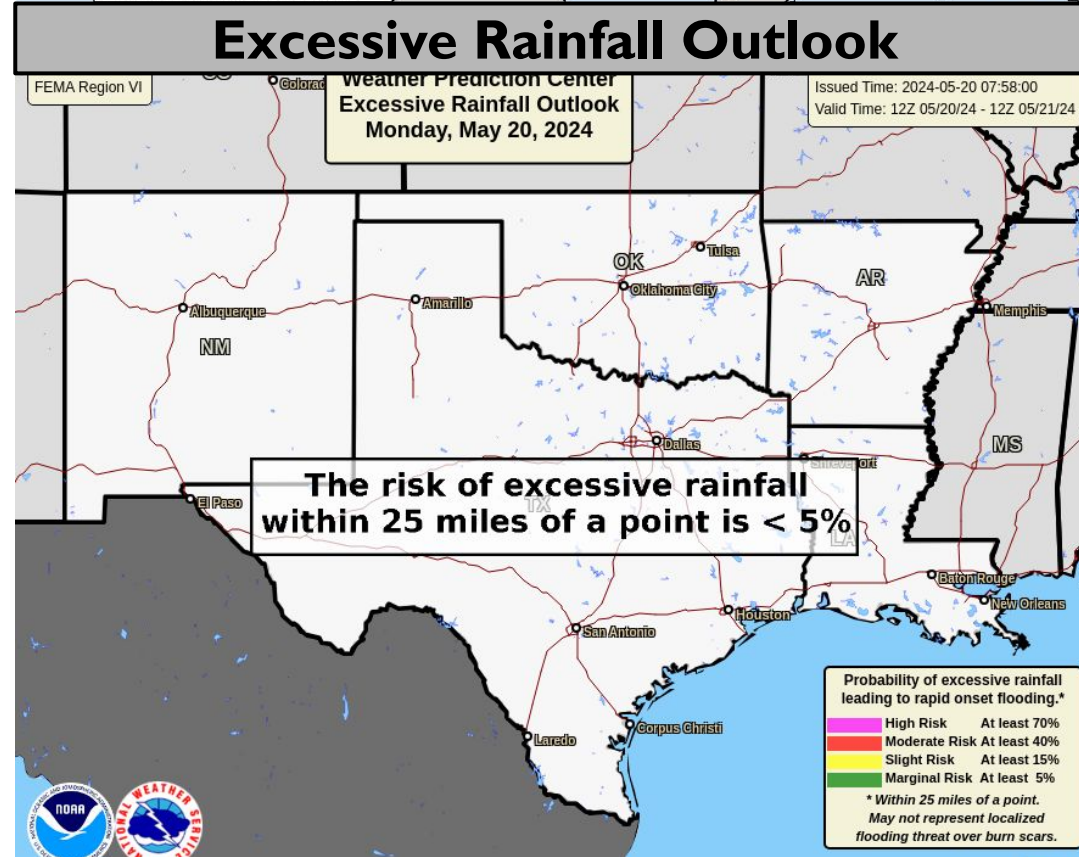
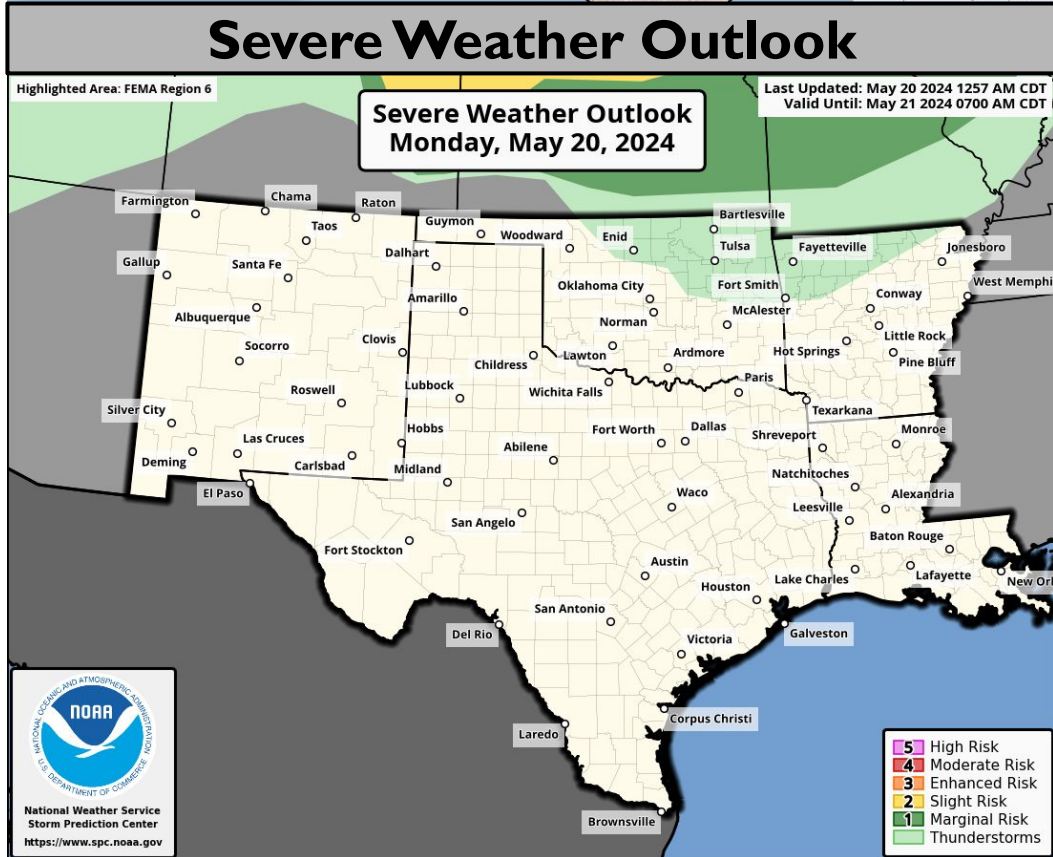


Today's Weather



Elevated to critical fire weather conditions in NM, Far W TX.

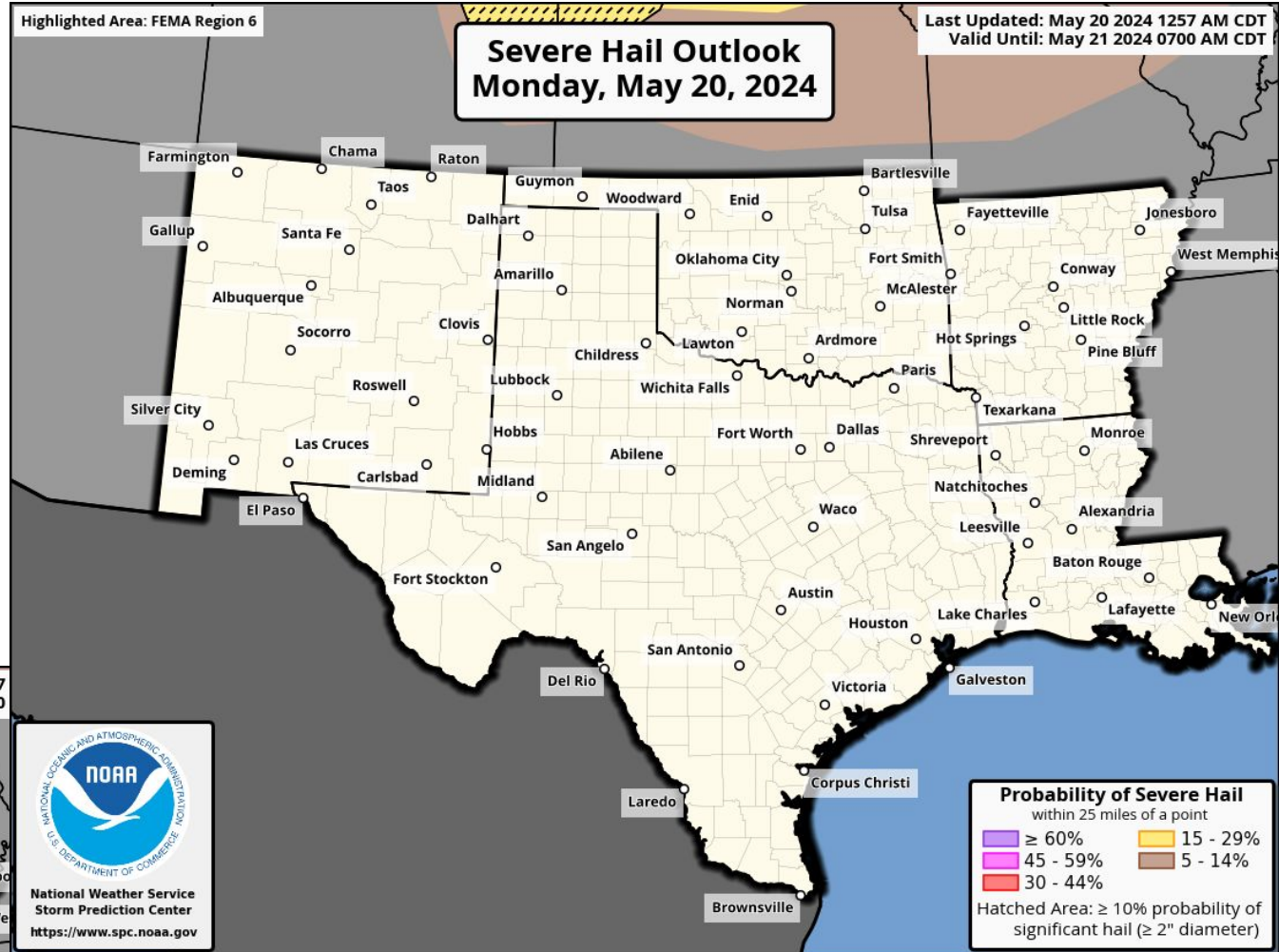
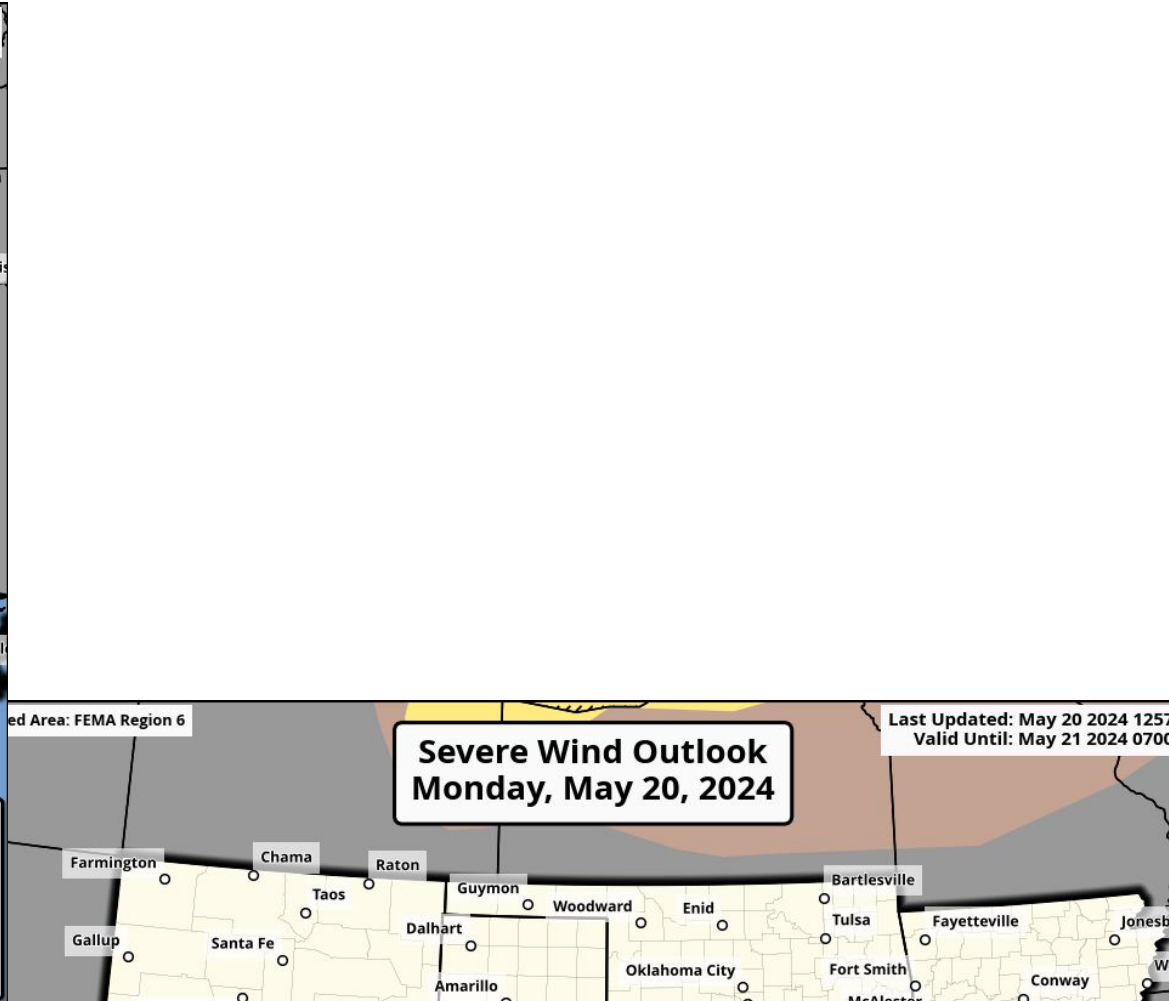
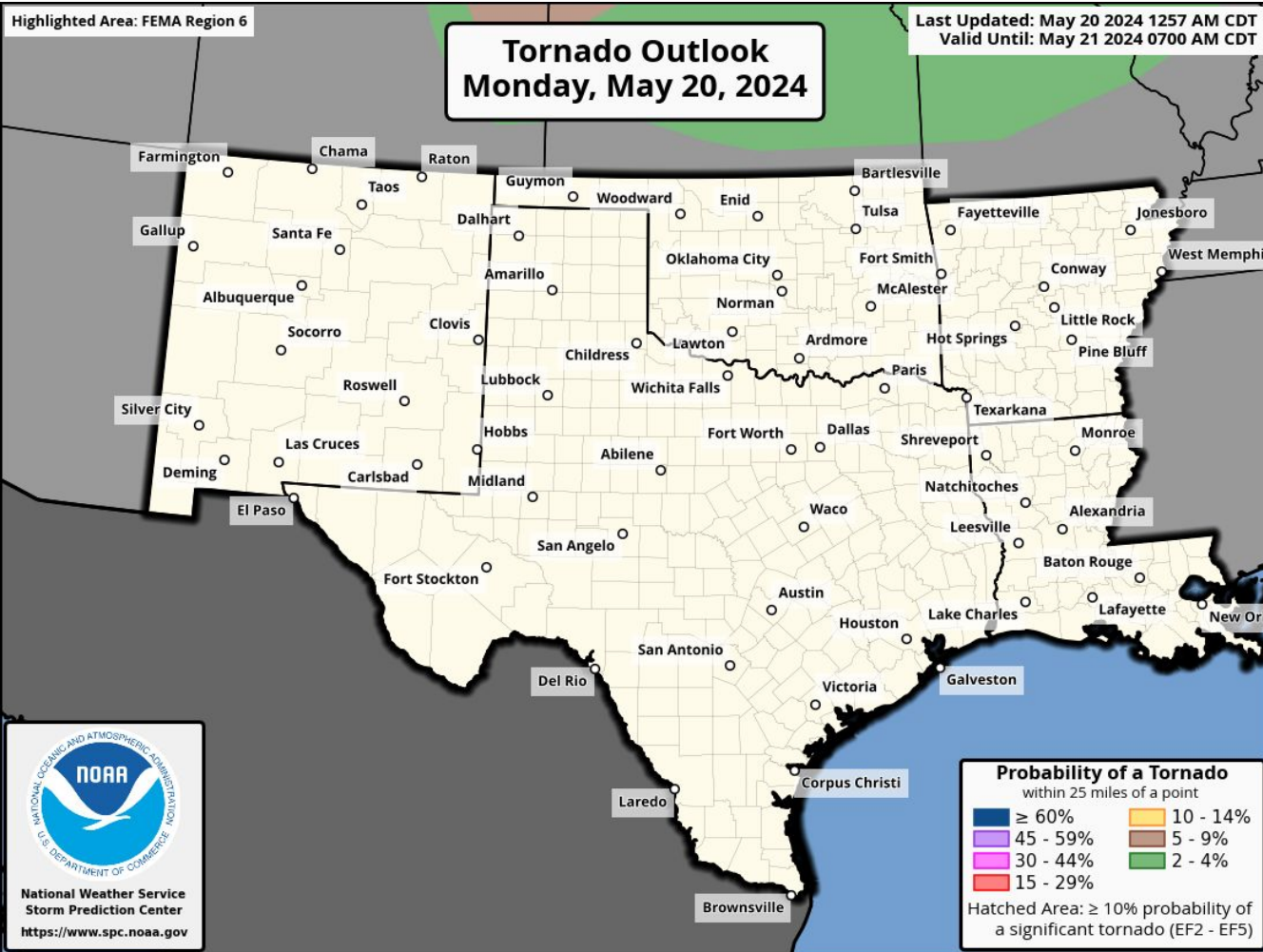
Early season heat starting to ramp up in STX.





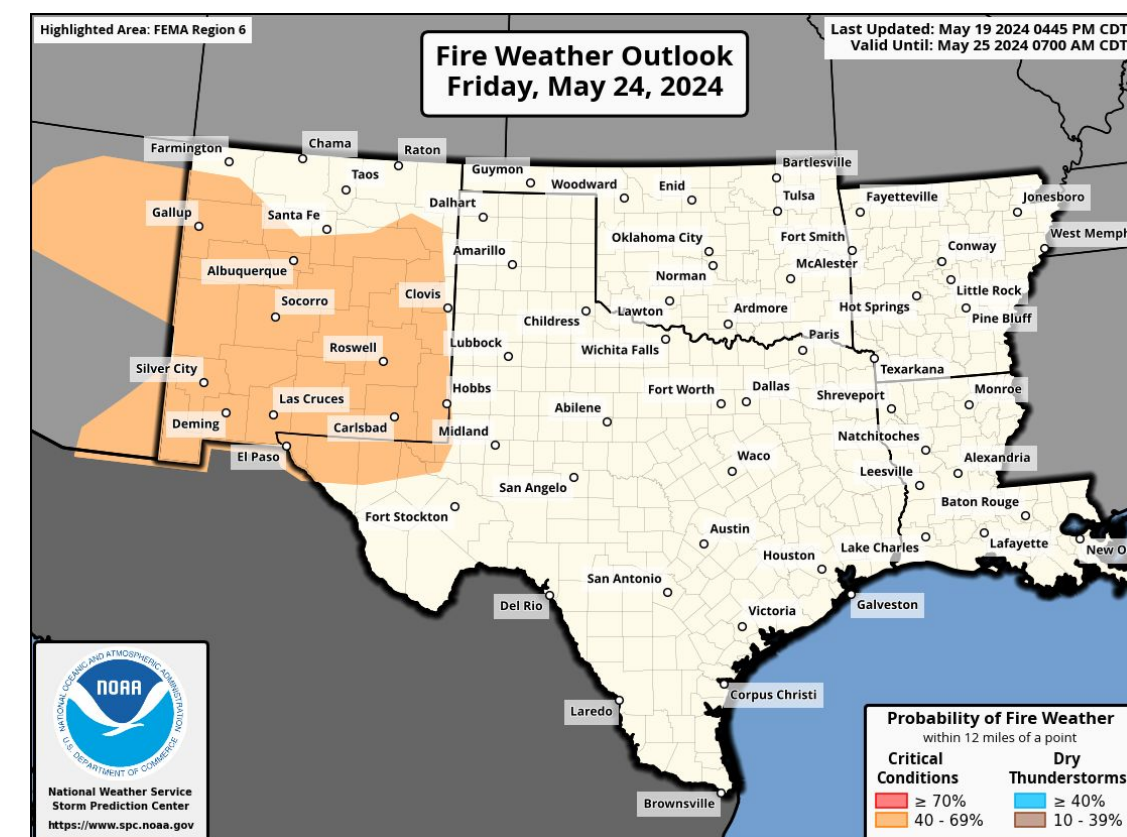
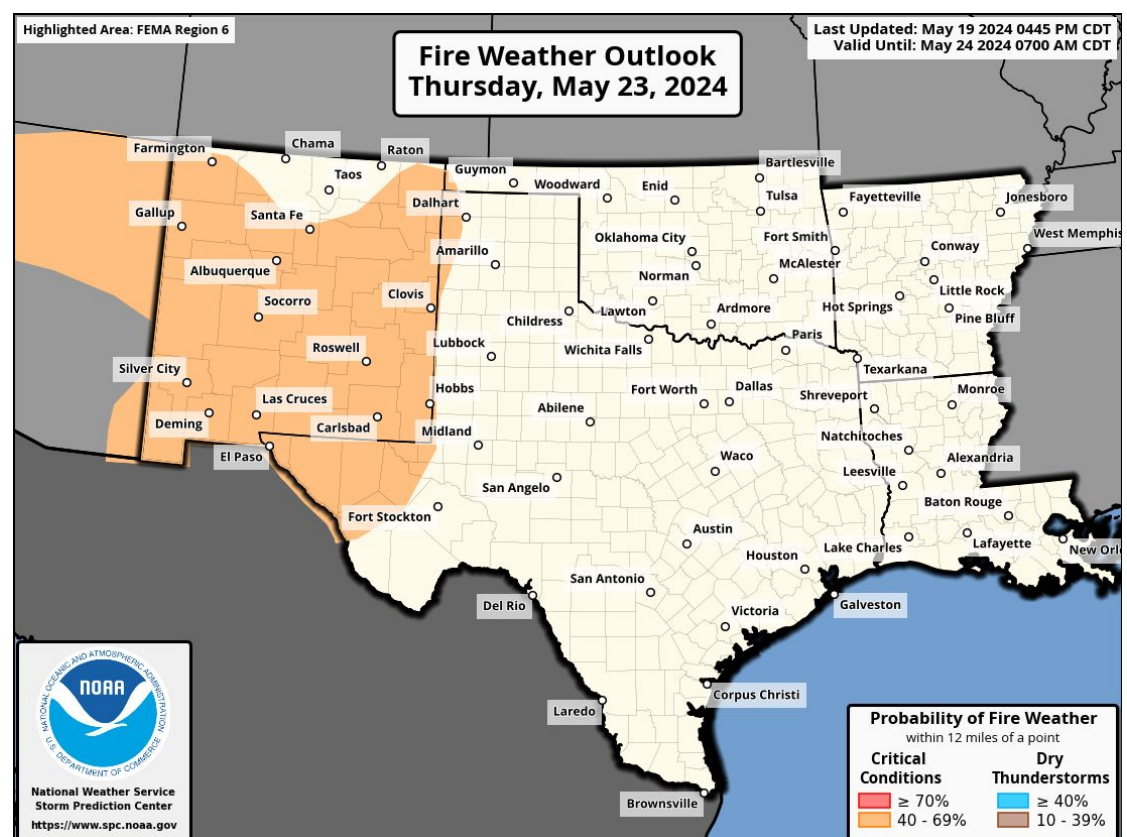
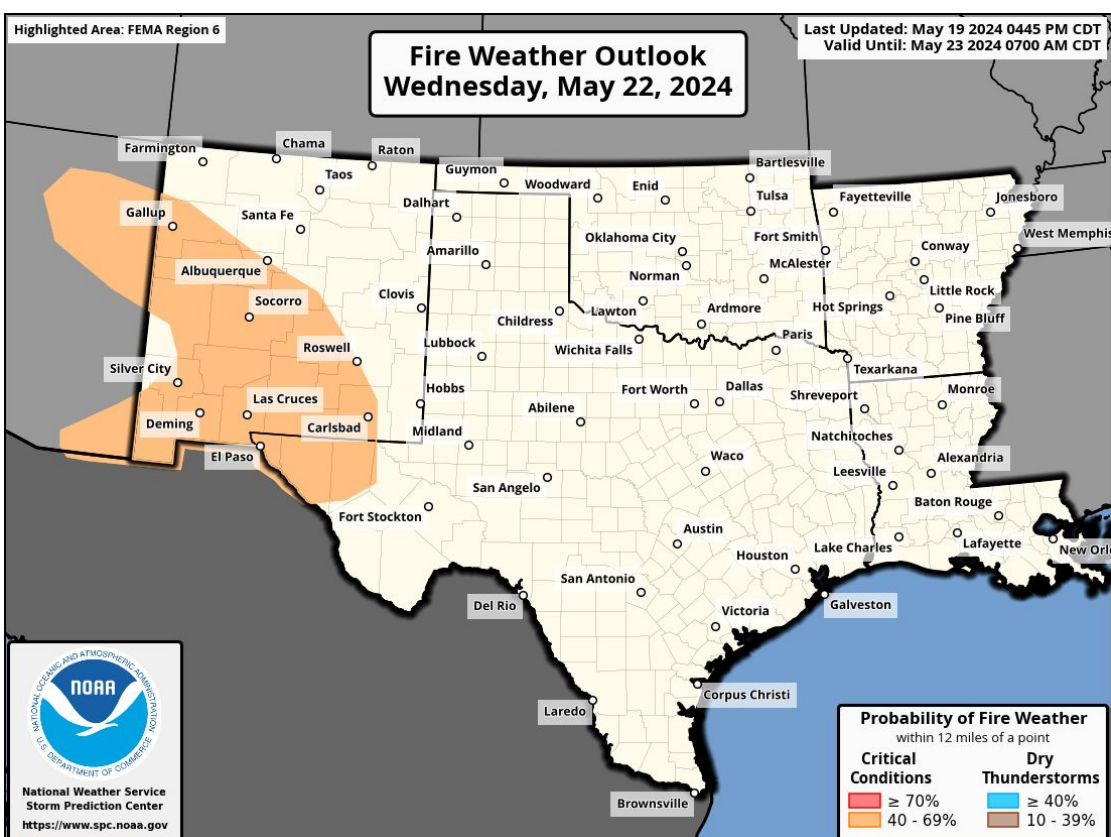
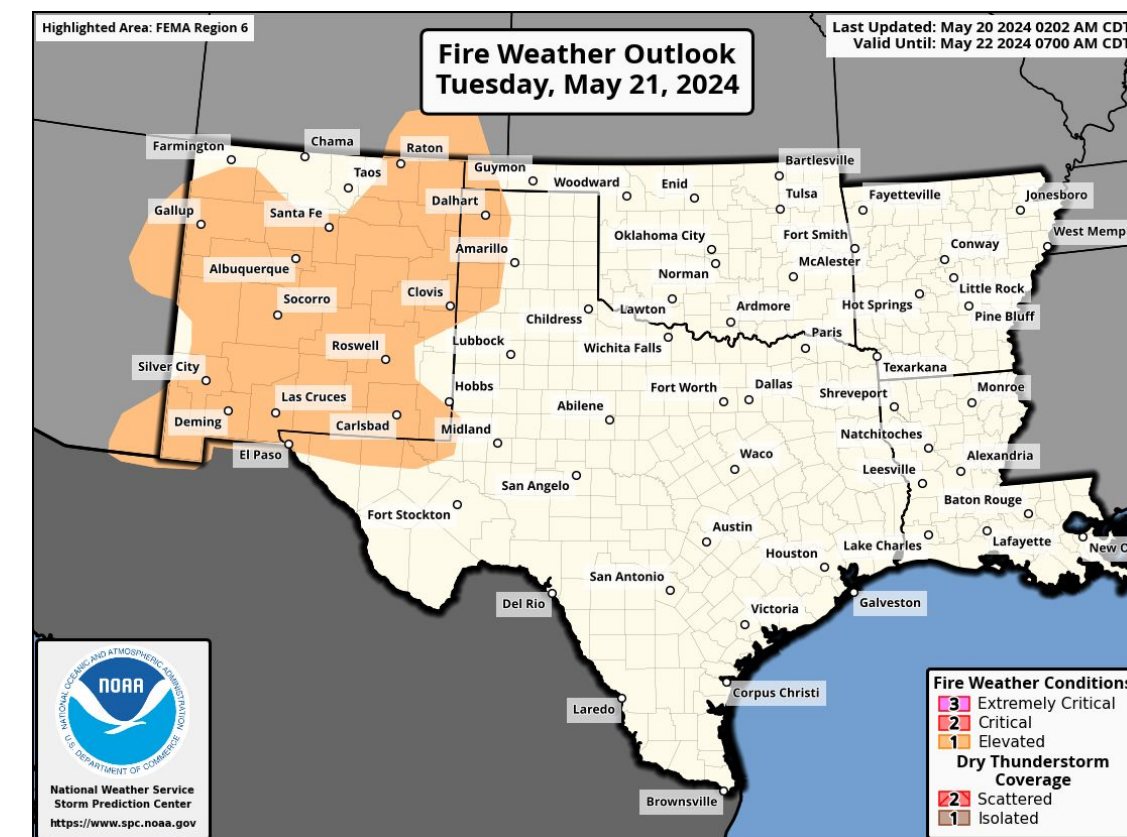
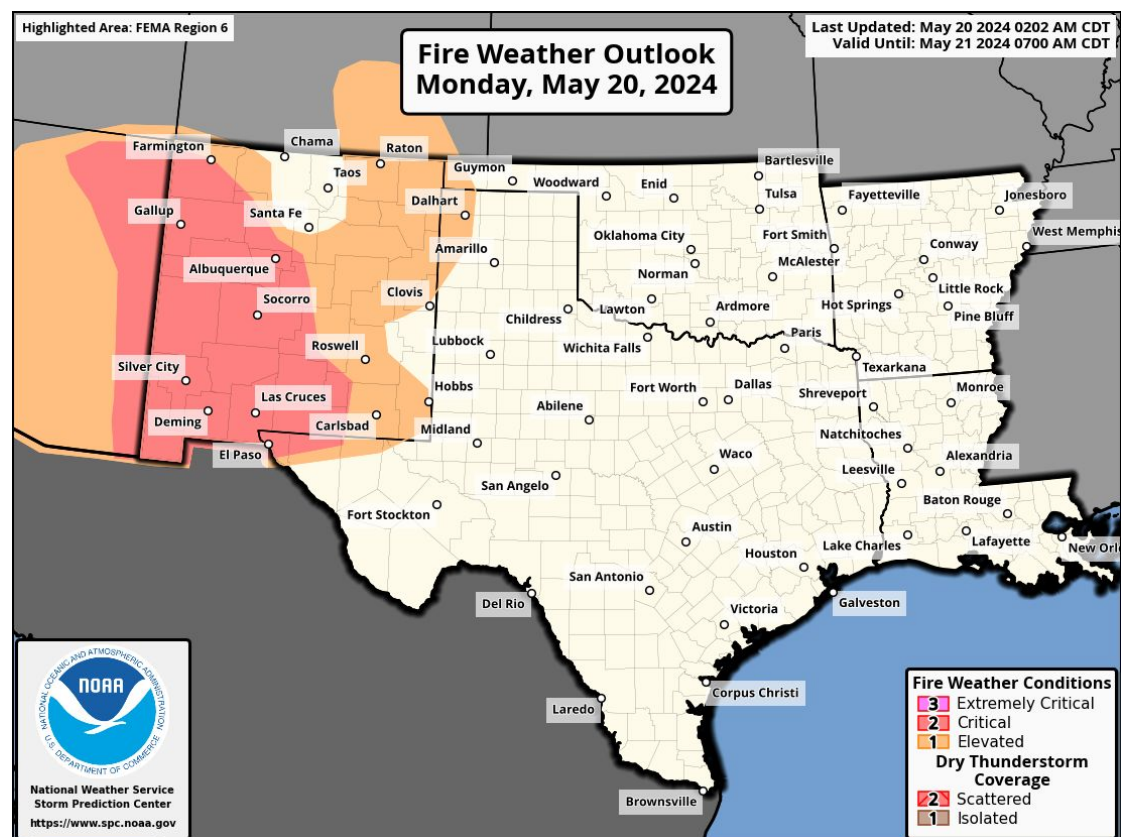
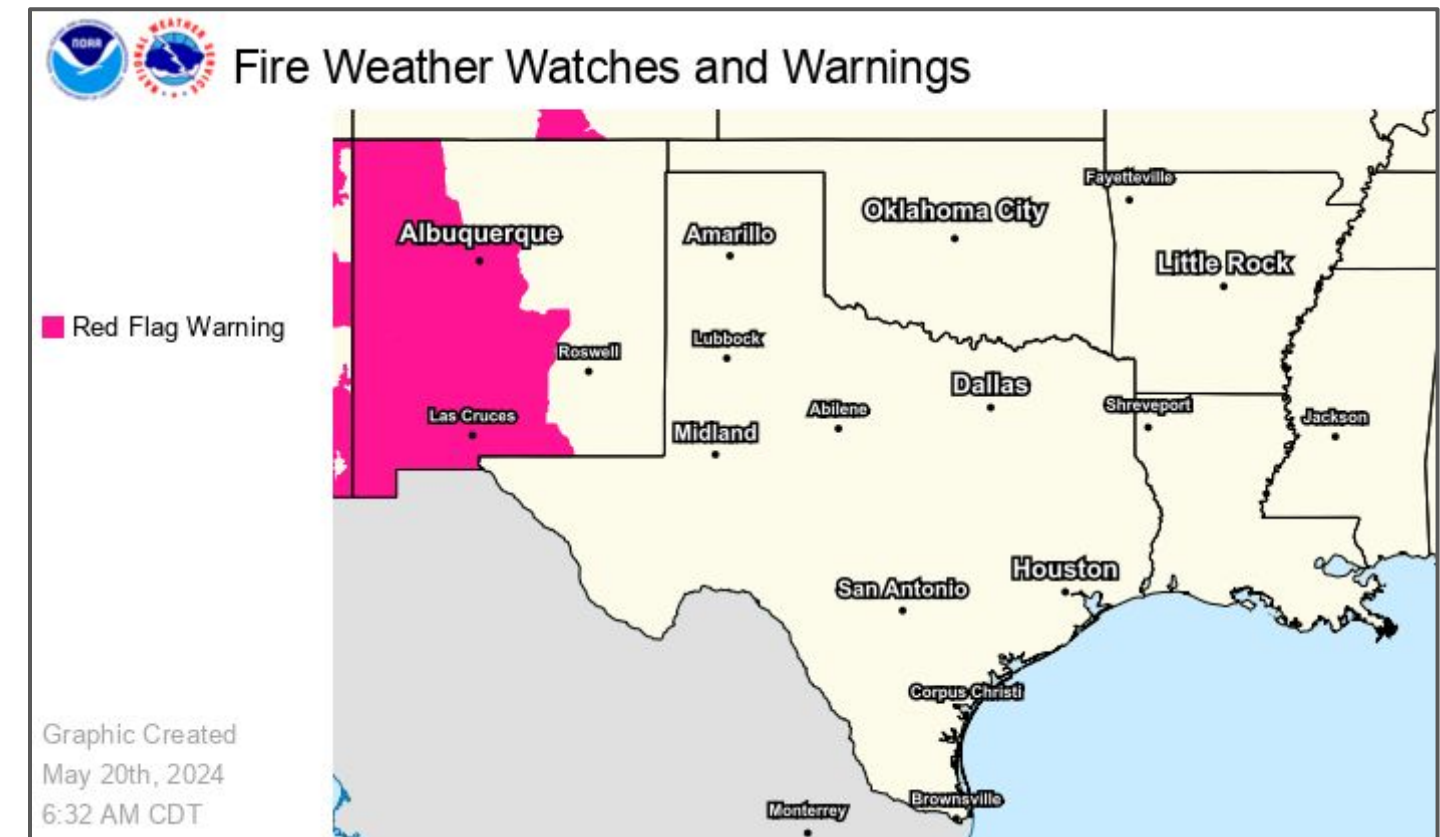
Today's Tornado & Severe Wind / Hail Probabilities

May 20, 2024¹





Fire Weather Outlooks

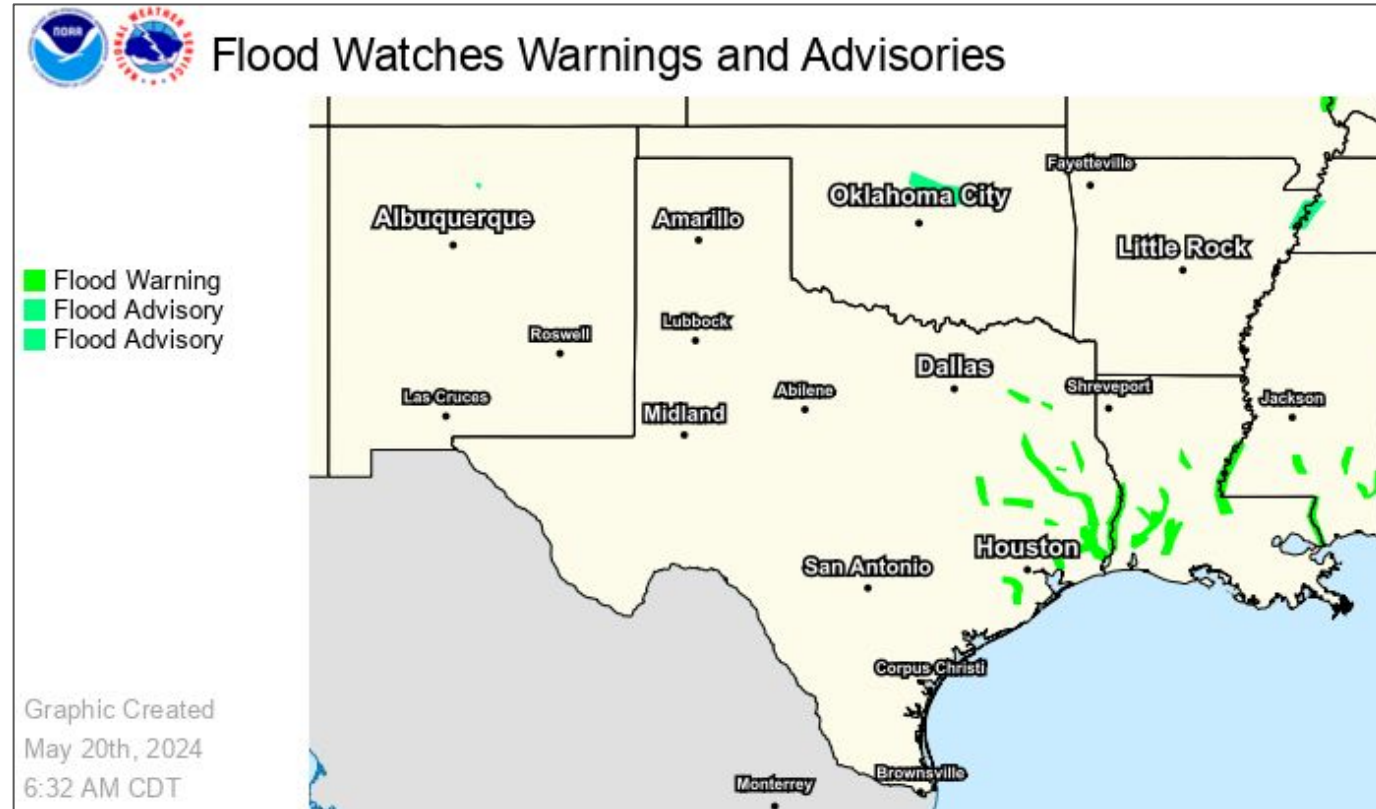
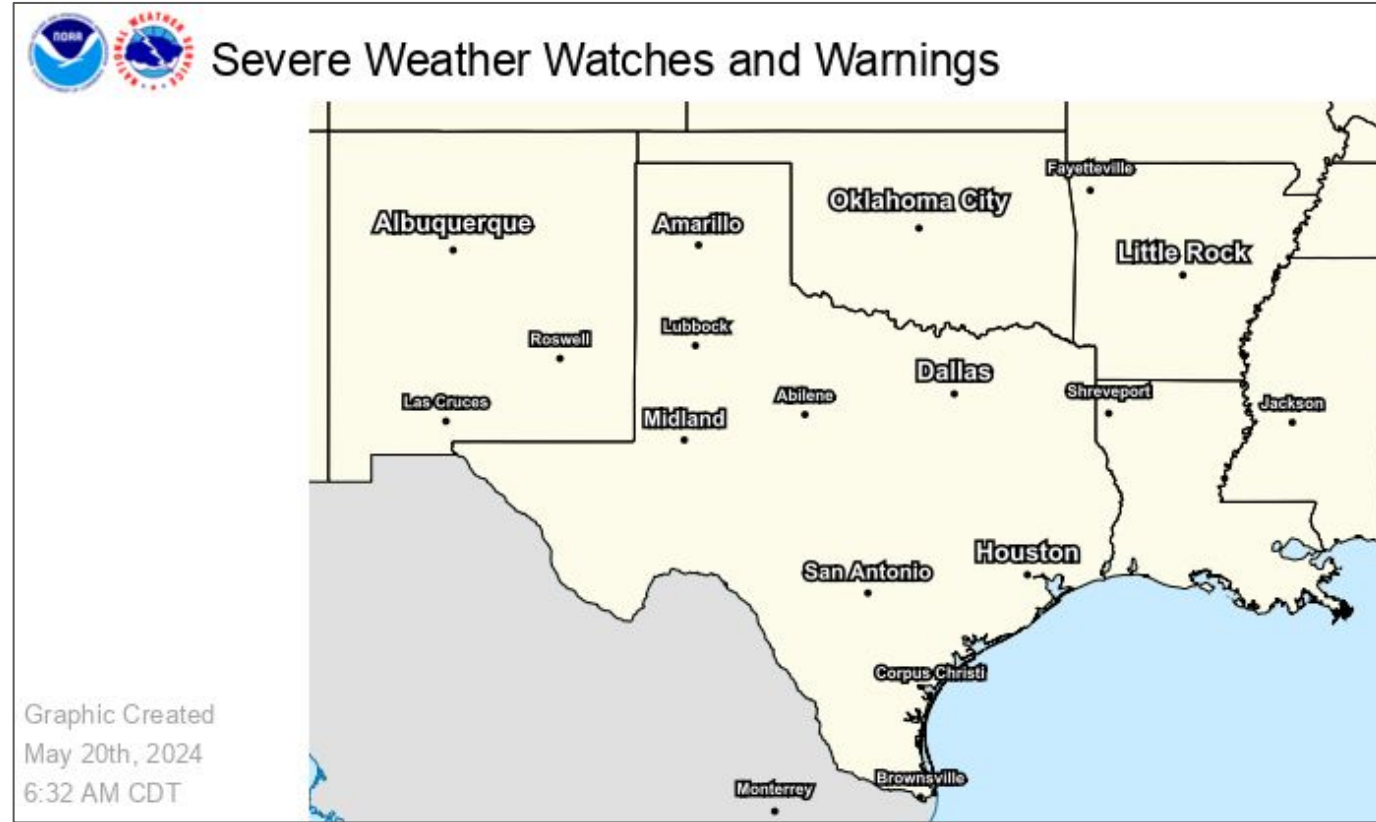
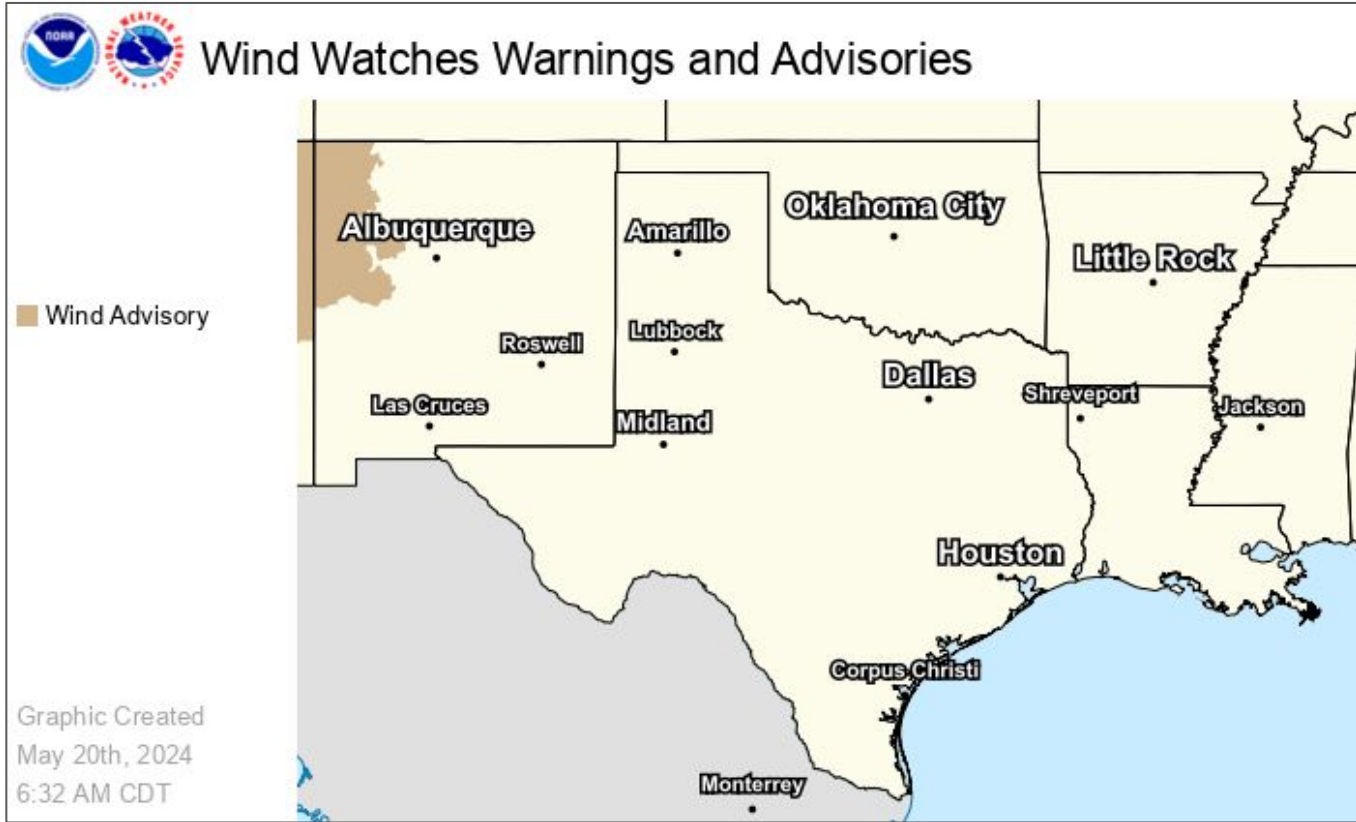




Watches, Warnings, and Advisories

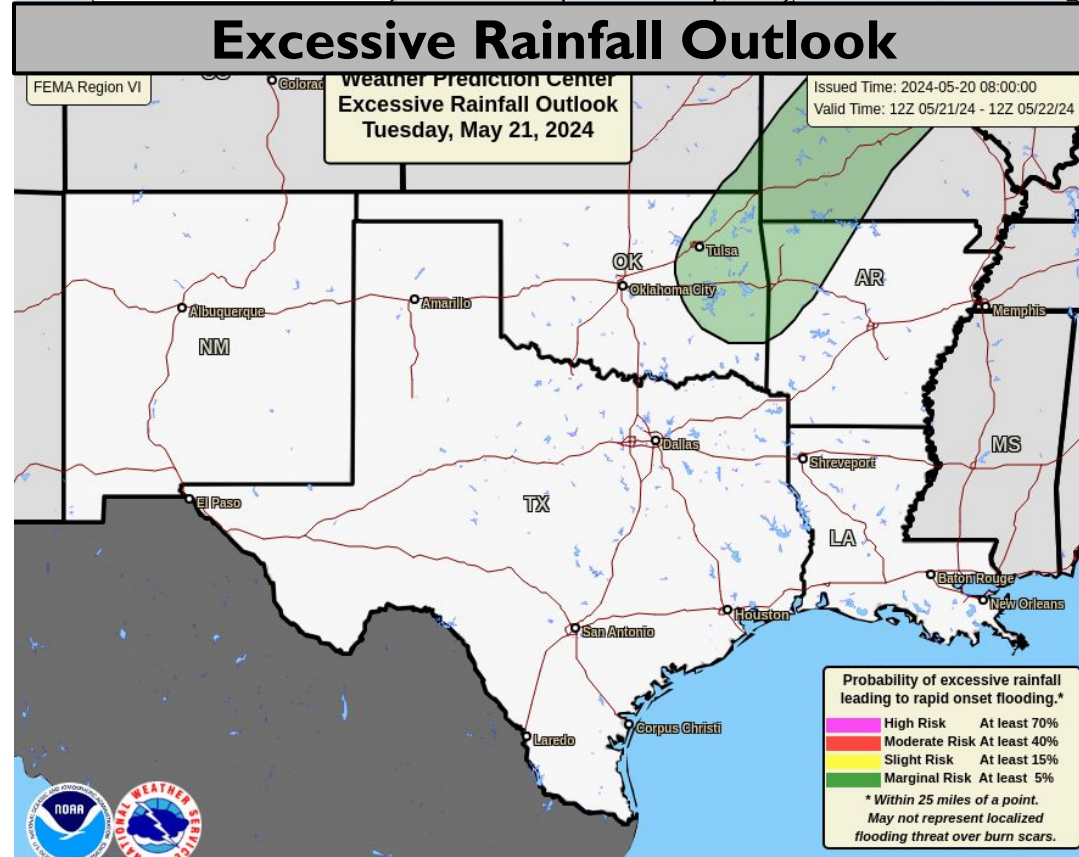
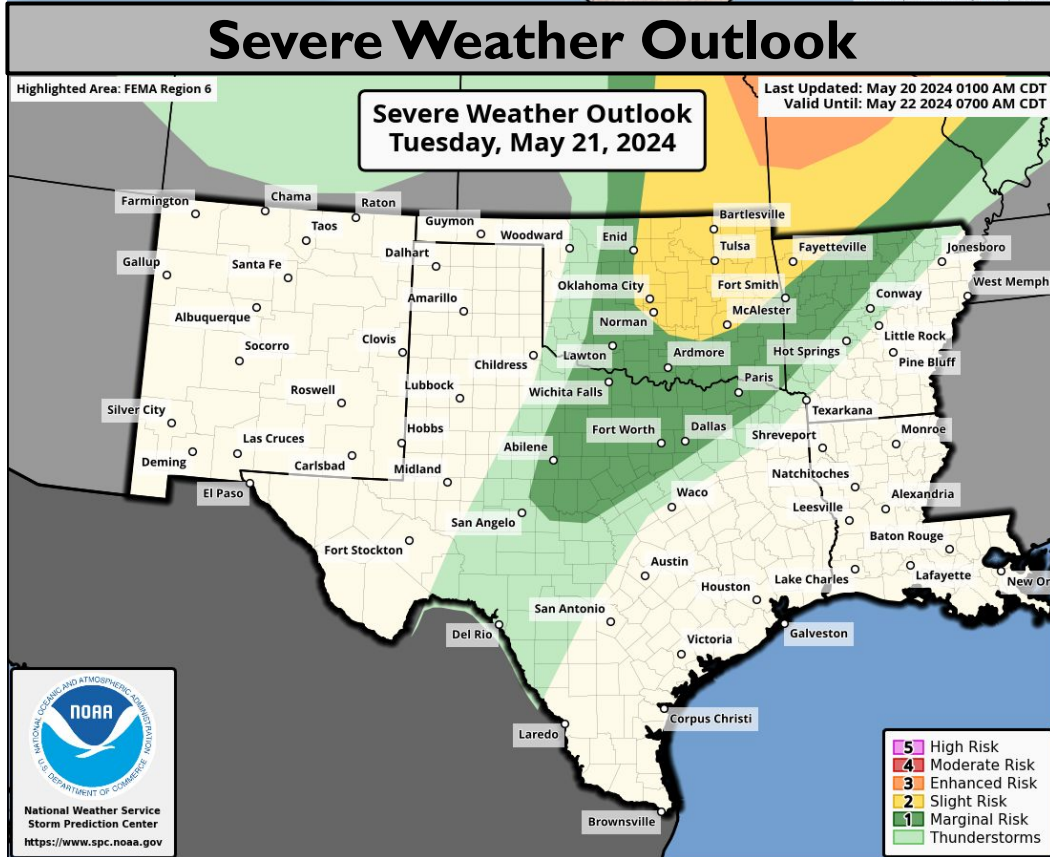
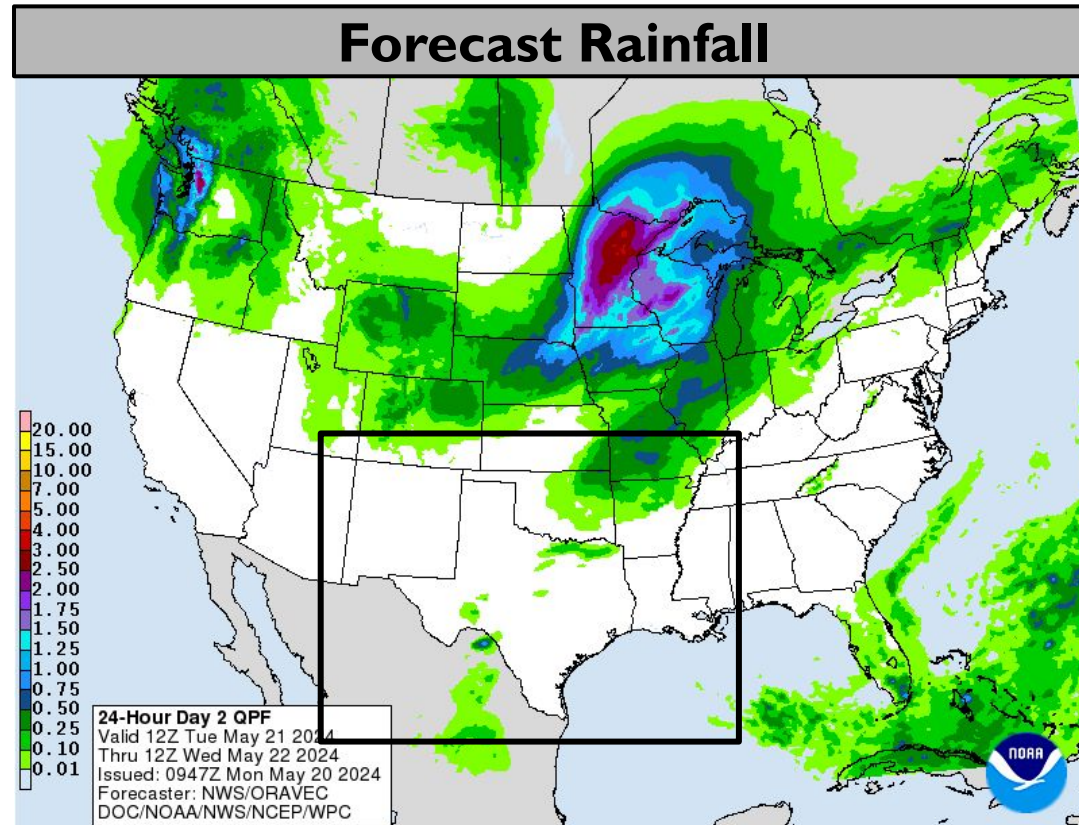
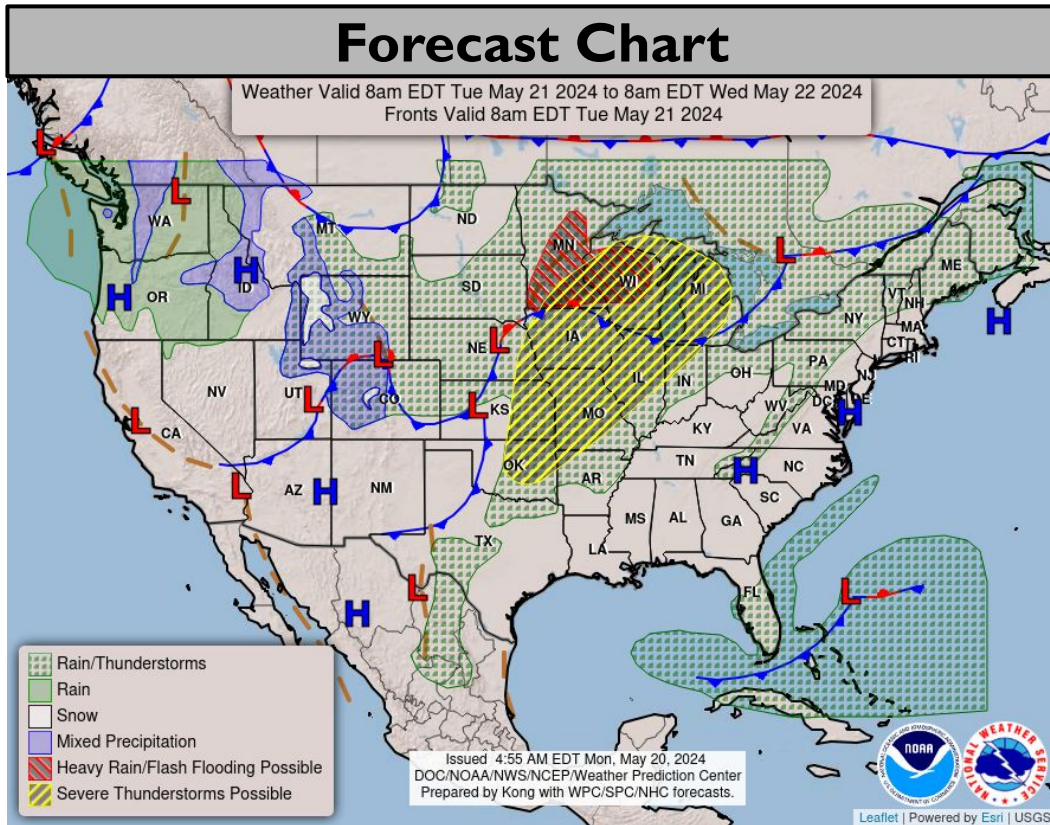
Wind, Severe, Winter, and Flood Hazards

**A Wind Advisory
is in effect until 8 PM
MDT today for NW NM.**





Tomorrow's Weather

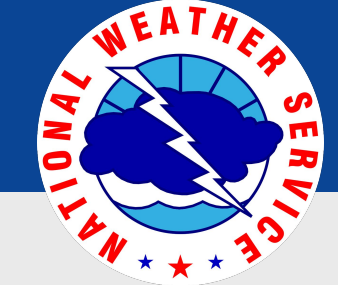


Slight risk of severe storms for OK and NW AR.

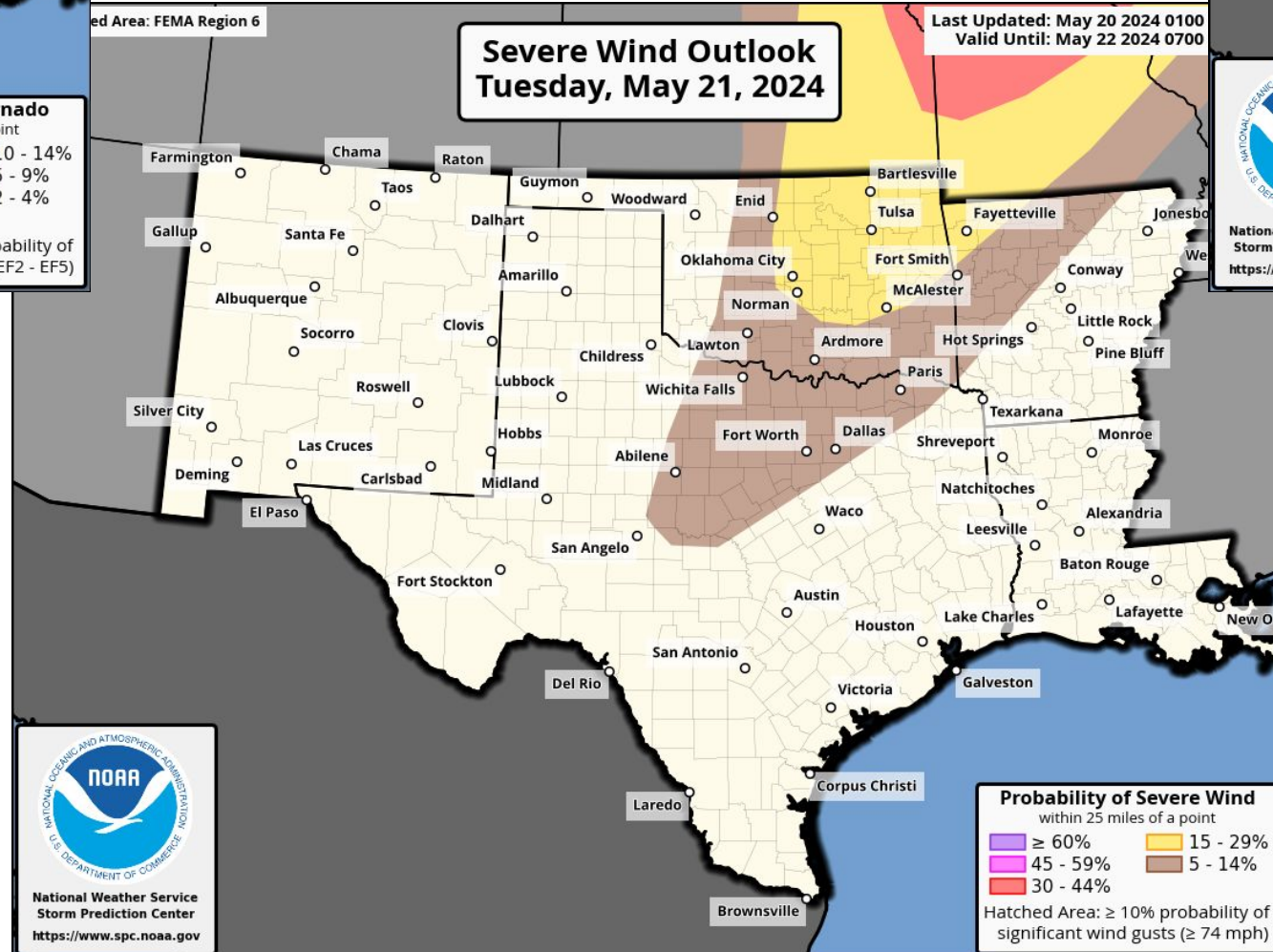
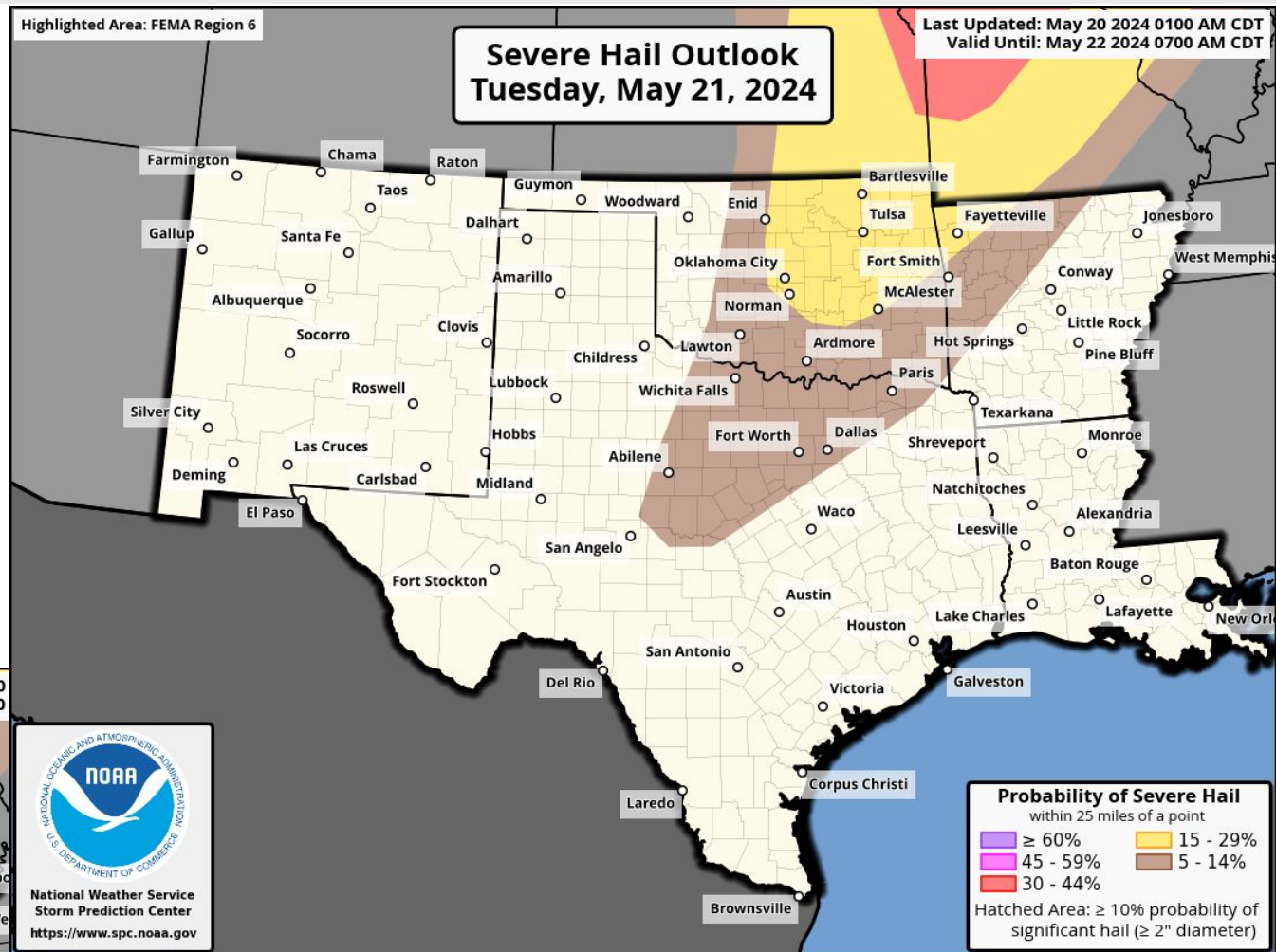
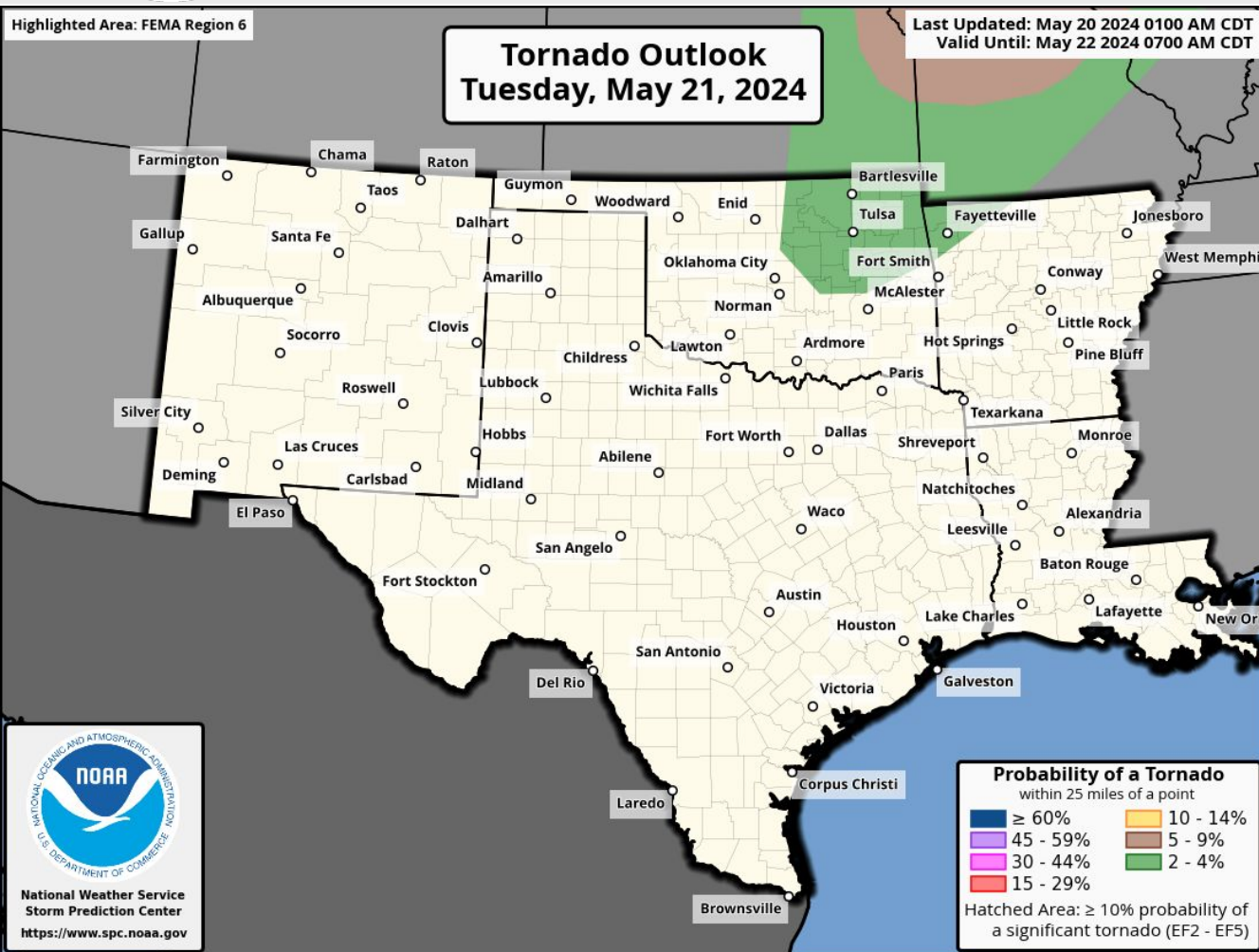
Heat index values will be around 105-115 in STX.

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

Elevated fire weather conditions in NM, Far W TX.

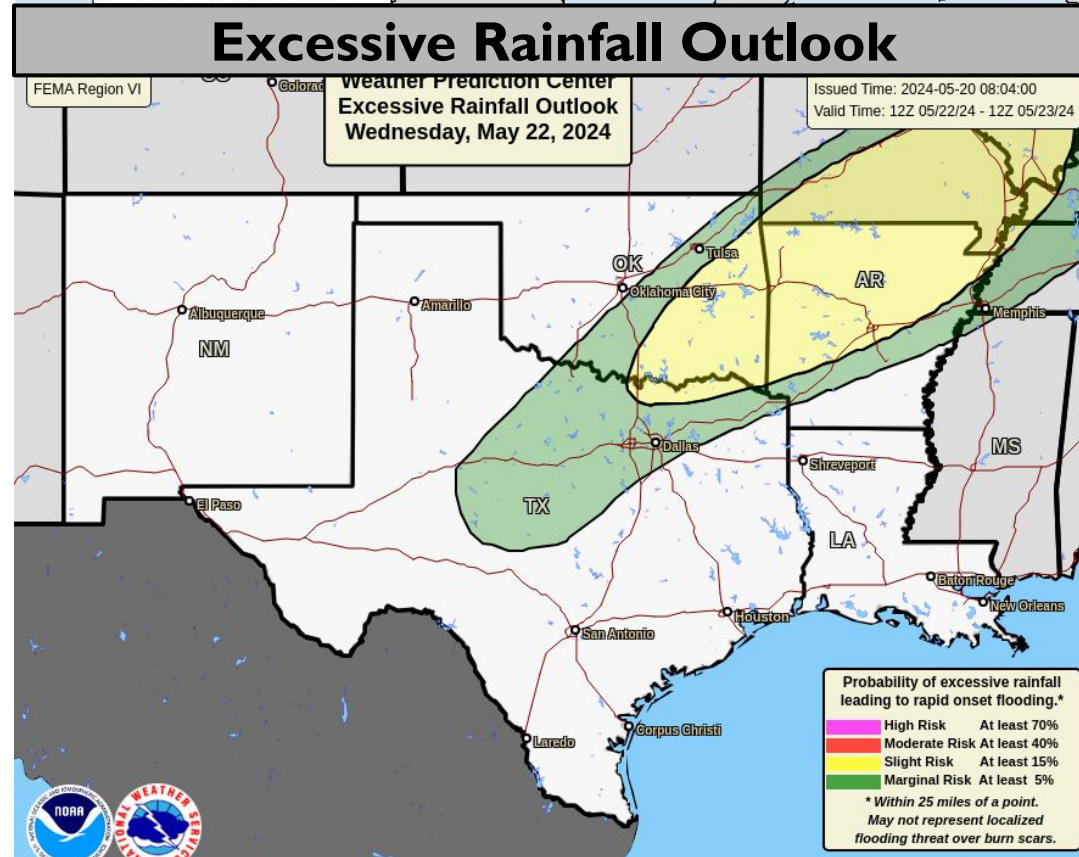
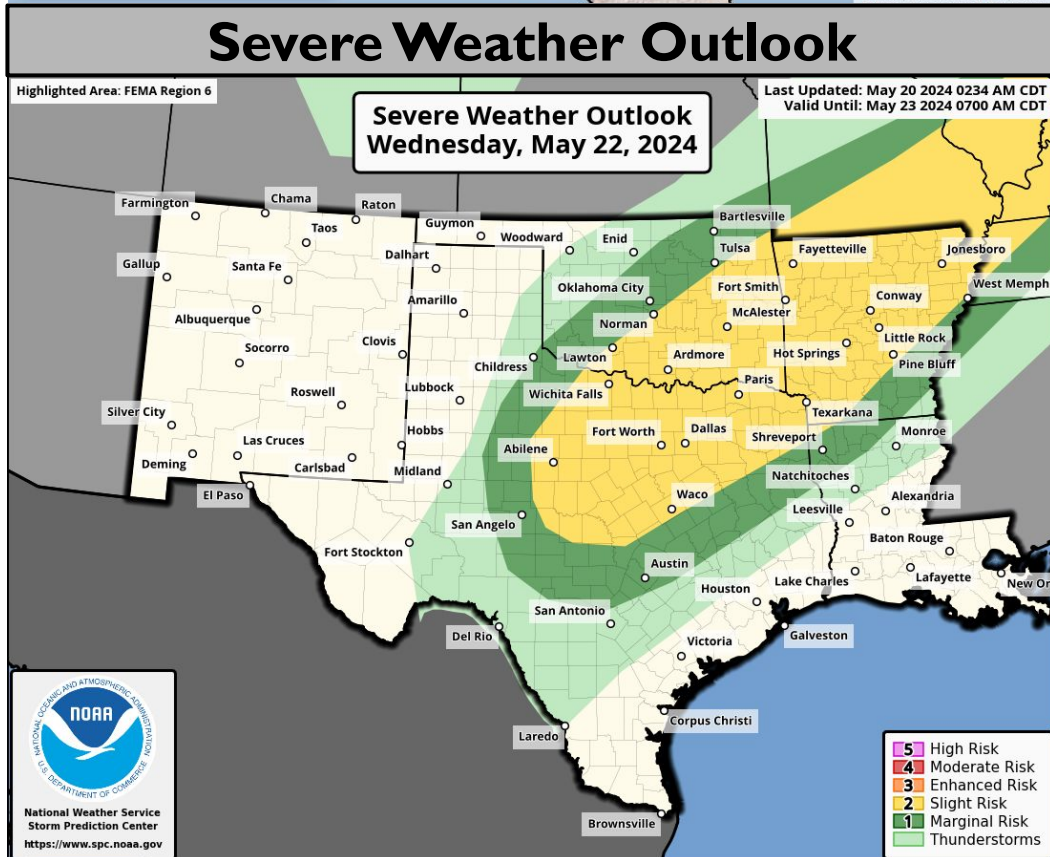
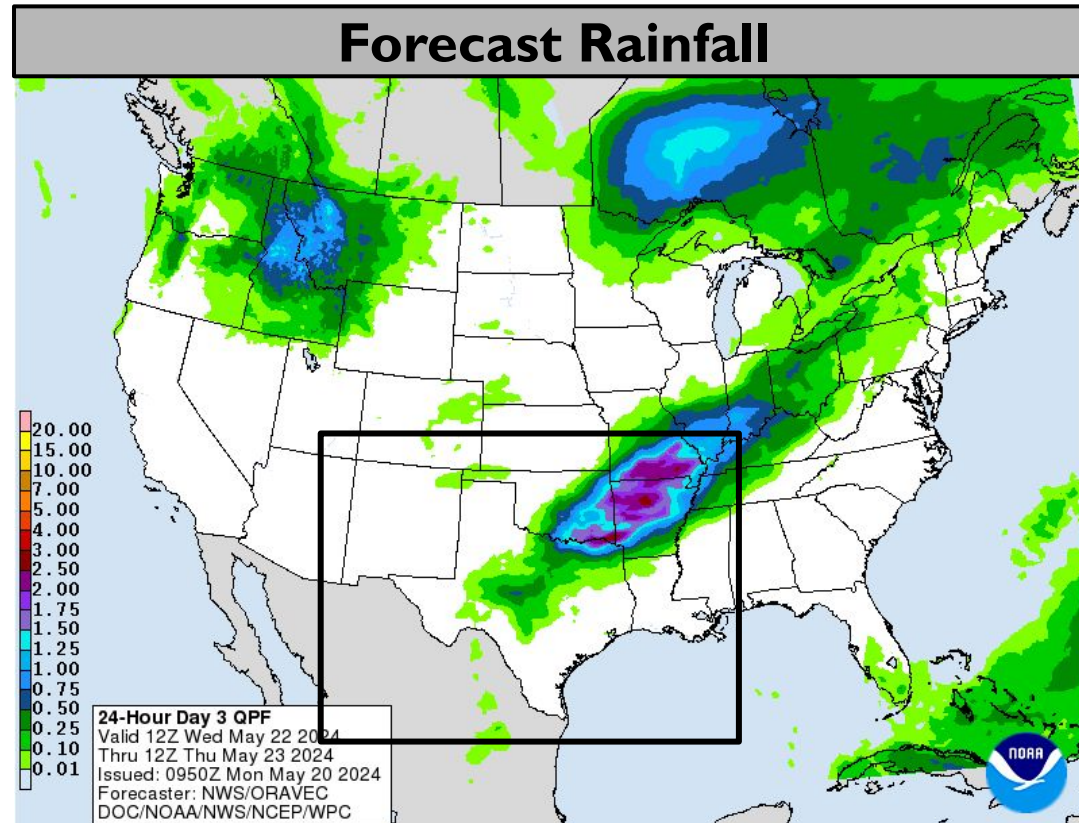
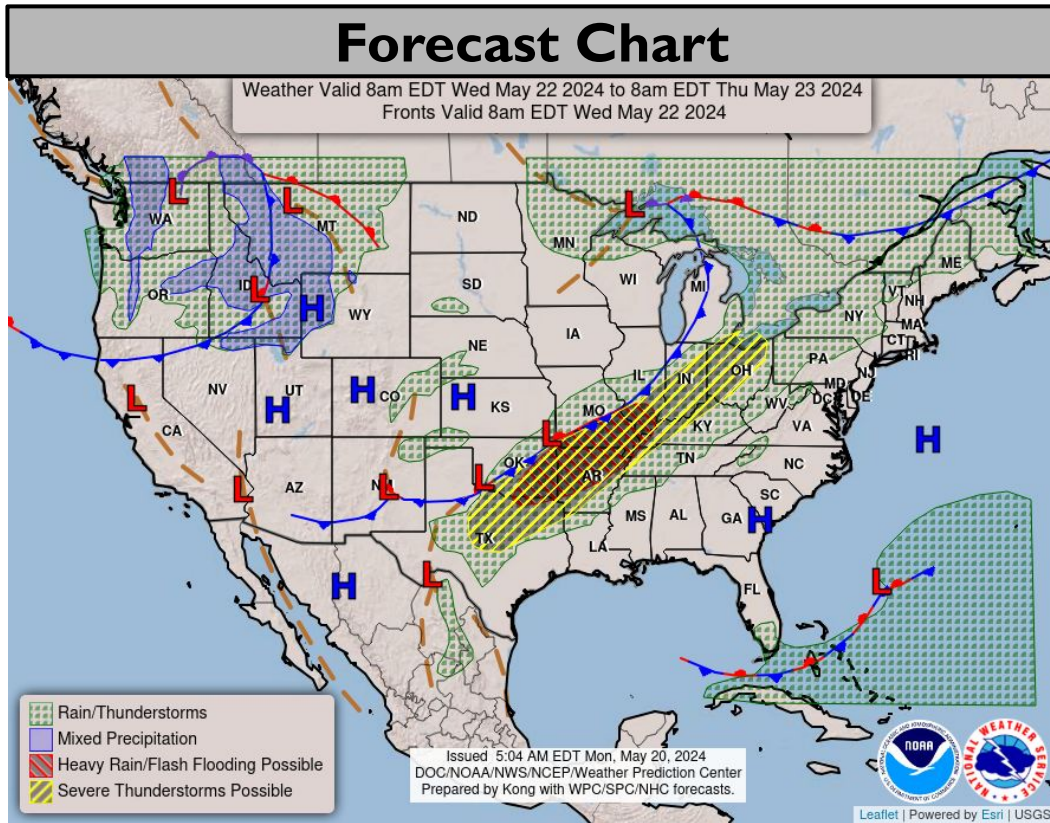


Tomorrow's Tornado & Severe Wind / Hail Probabilities





Wednesday's Weather



Slight risk for heavy rainfall in SE OK, AR, NE TX.

Slight risk for severe storms in SE OK, AR, N/W-Ctr TX.

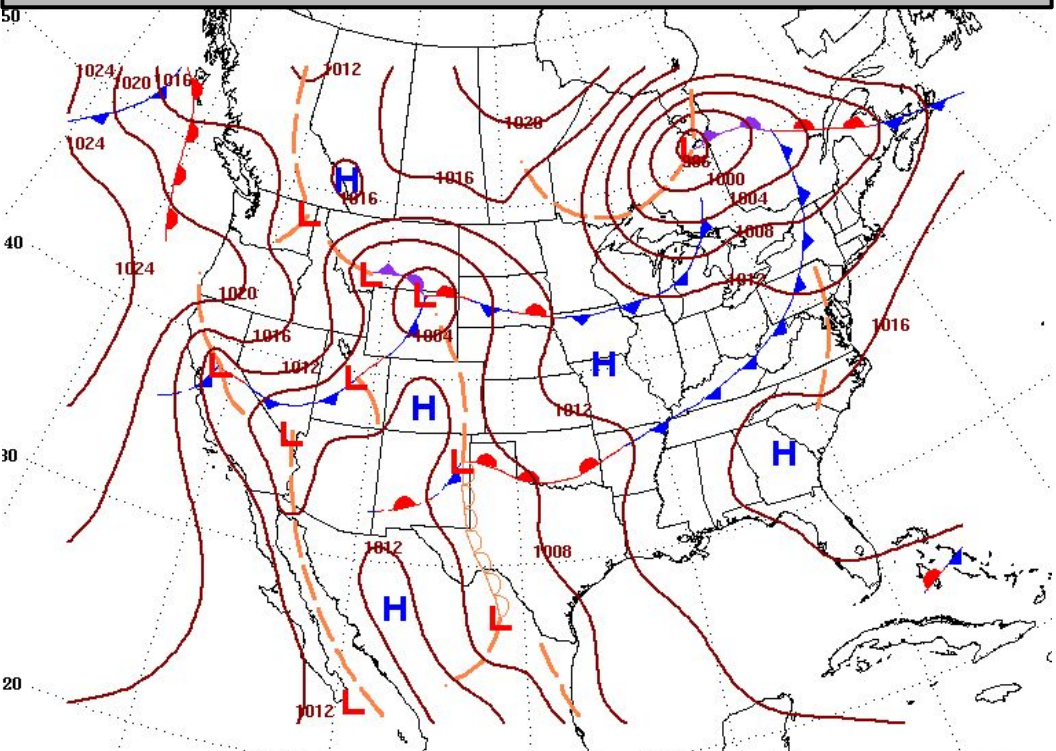
Heat index values will be around 105-115 in STX.

Elevated fire weather conditions in NM, Far W TX.

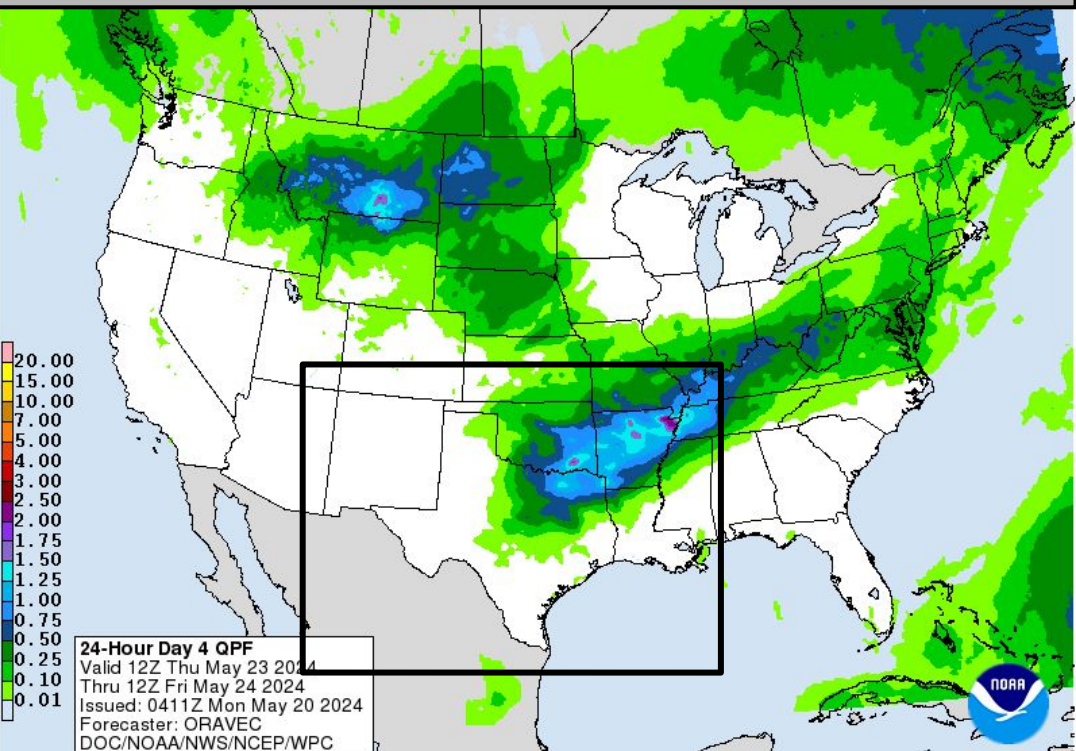


Thursday's Weather

Forecast Chart



Forecast Rainfall



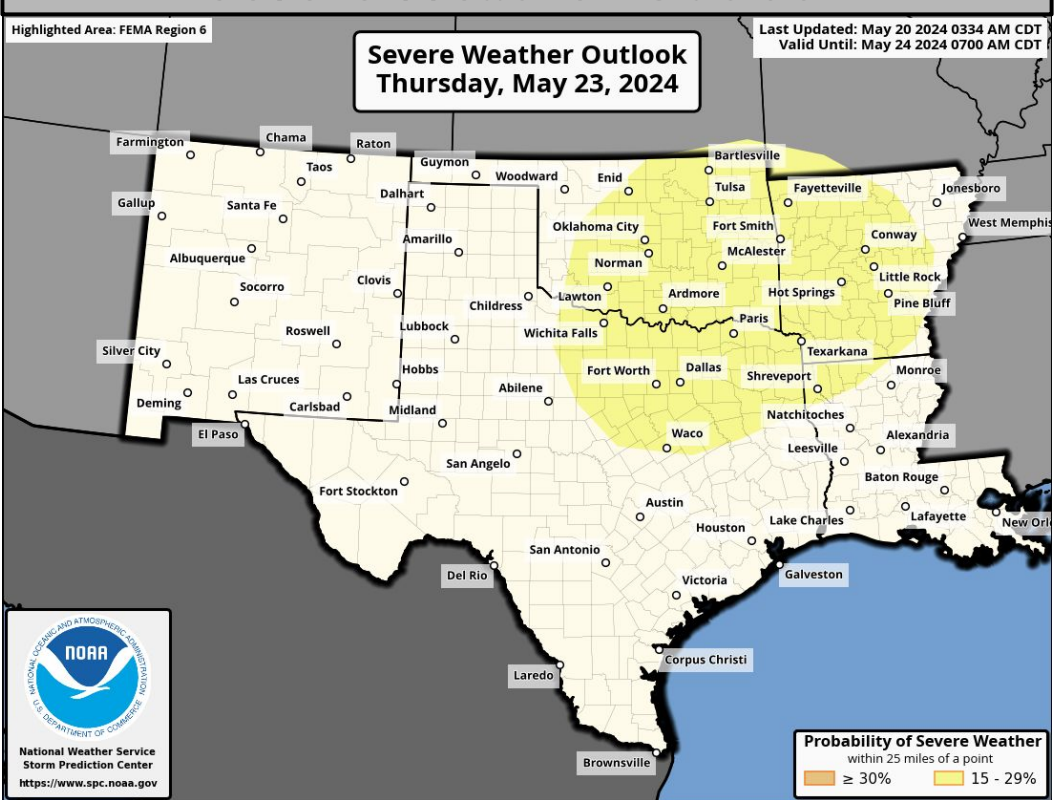
**Slight risk for severe storms over
OK, AR, NE TX, N LA.**

**Slight risk for heavy rainfall in SE
OK, AR, NE TX.**

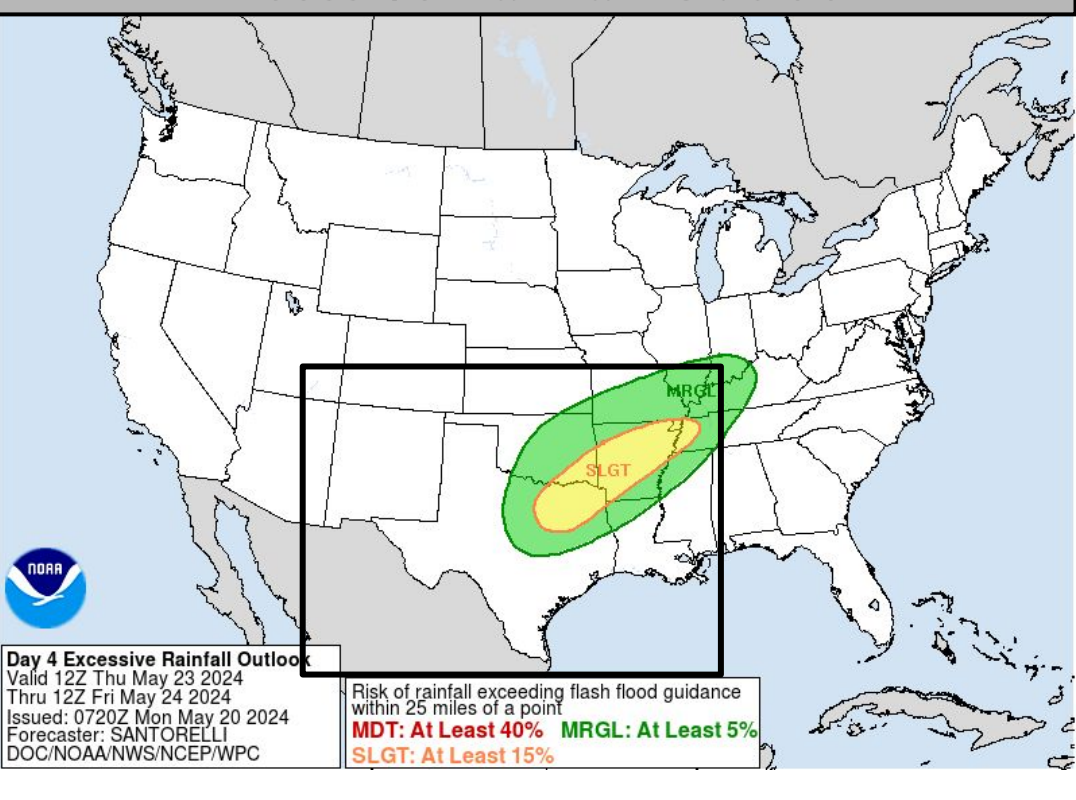
**Heat index values will be around
105-115 in STX.**

**Elevated fire weather conditions in
NM, Far W TX.**

Severe Weather Outlook



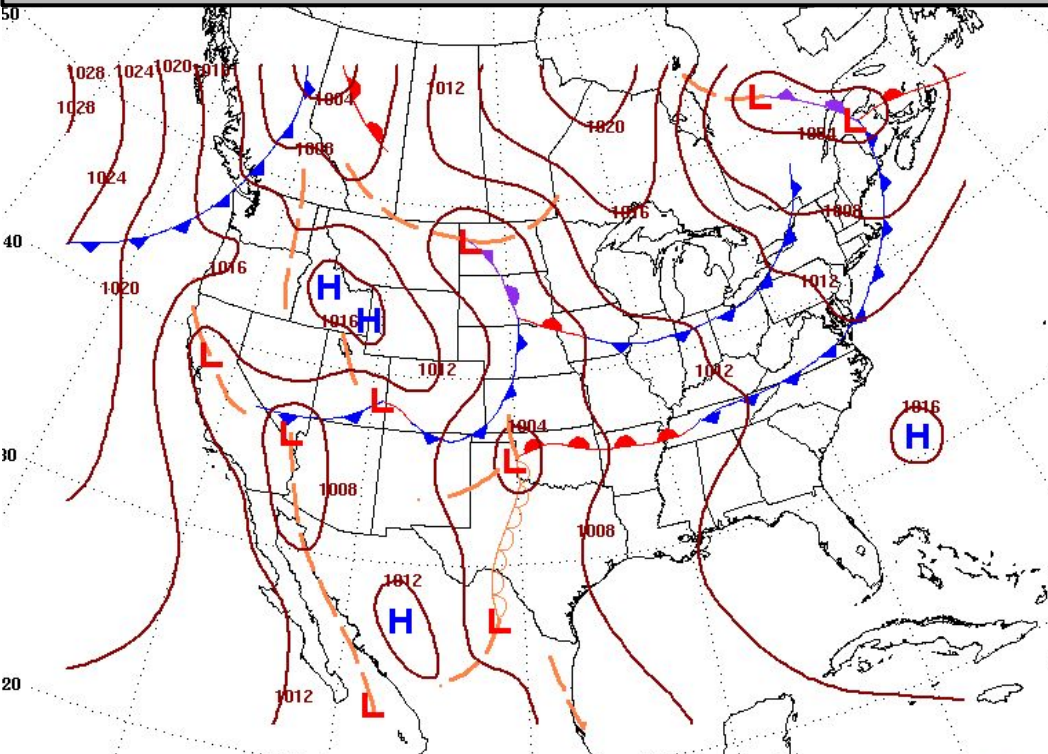
Excessive Rainfall Outlook



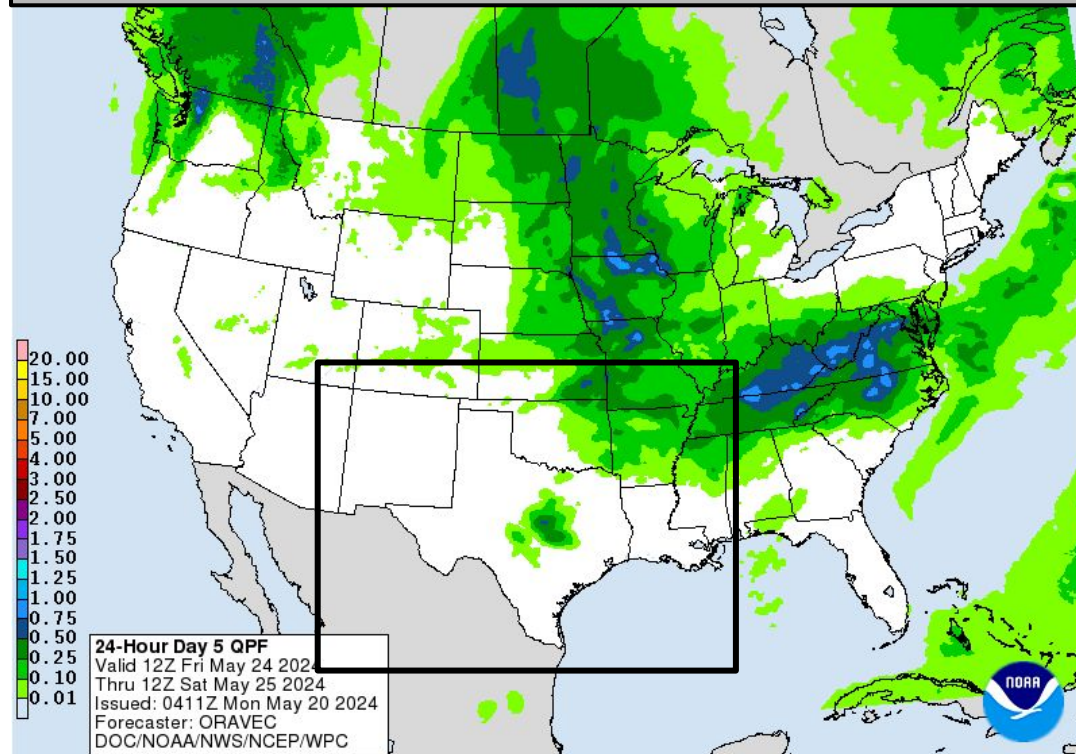


Friday's Weather

Forecast Chart



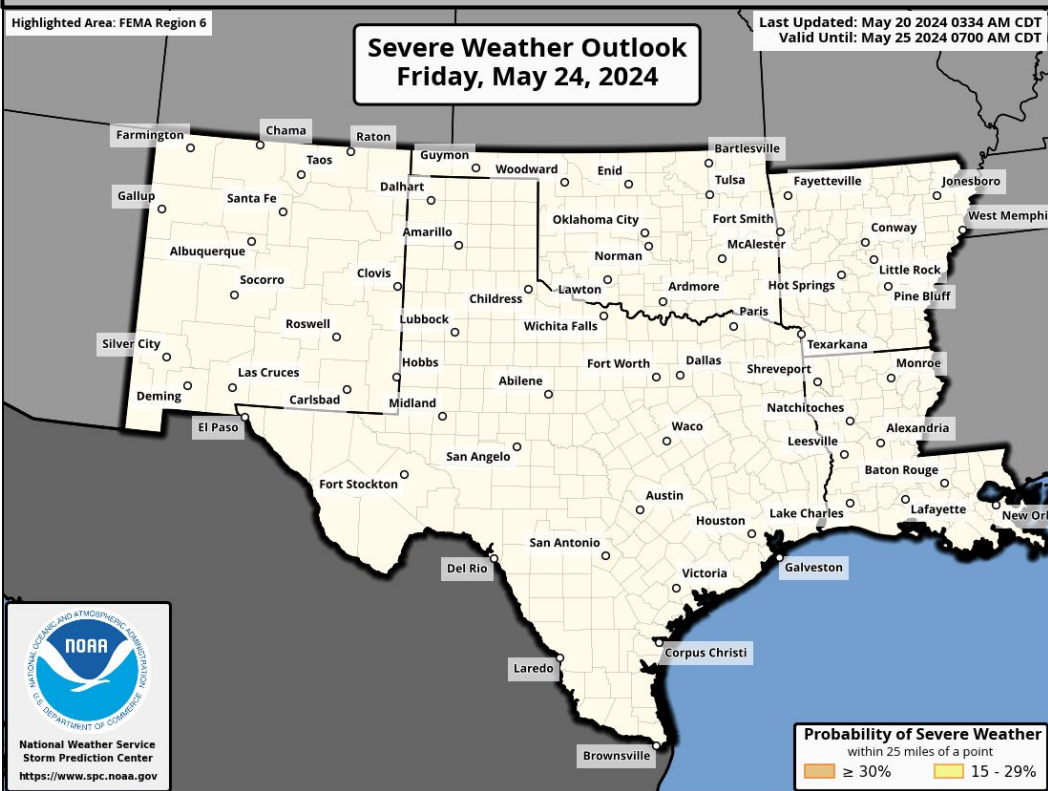
Forecast Rainfall



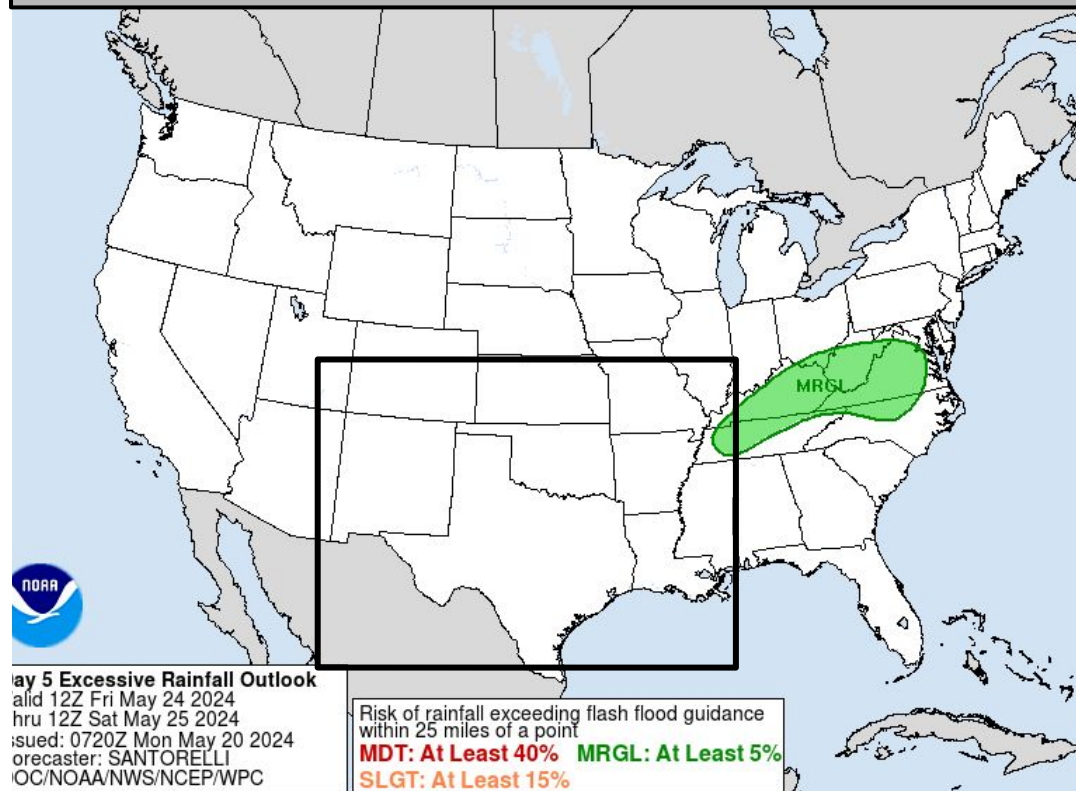
Heat index values will be around 110-117 in STX.

Elevated fire weather conditions in NM, Far W TX.

Severe Weather Outlook



Excessive Rainfall Outlook

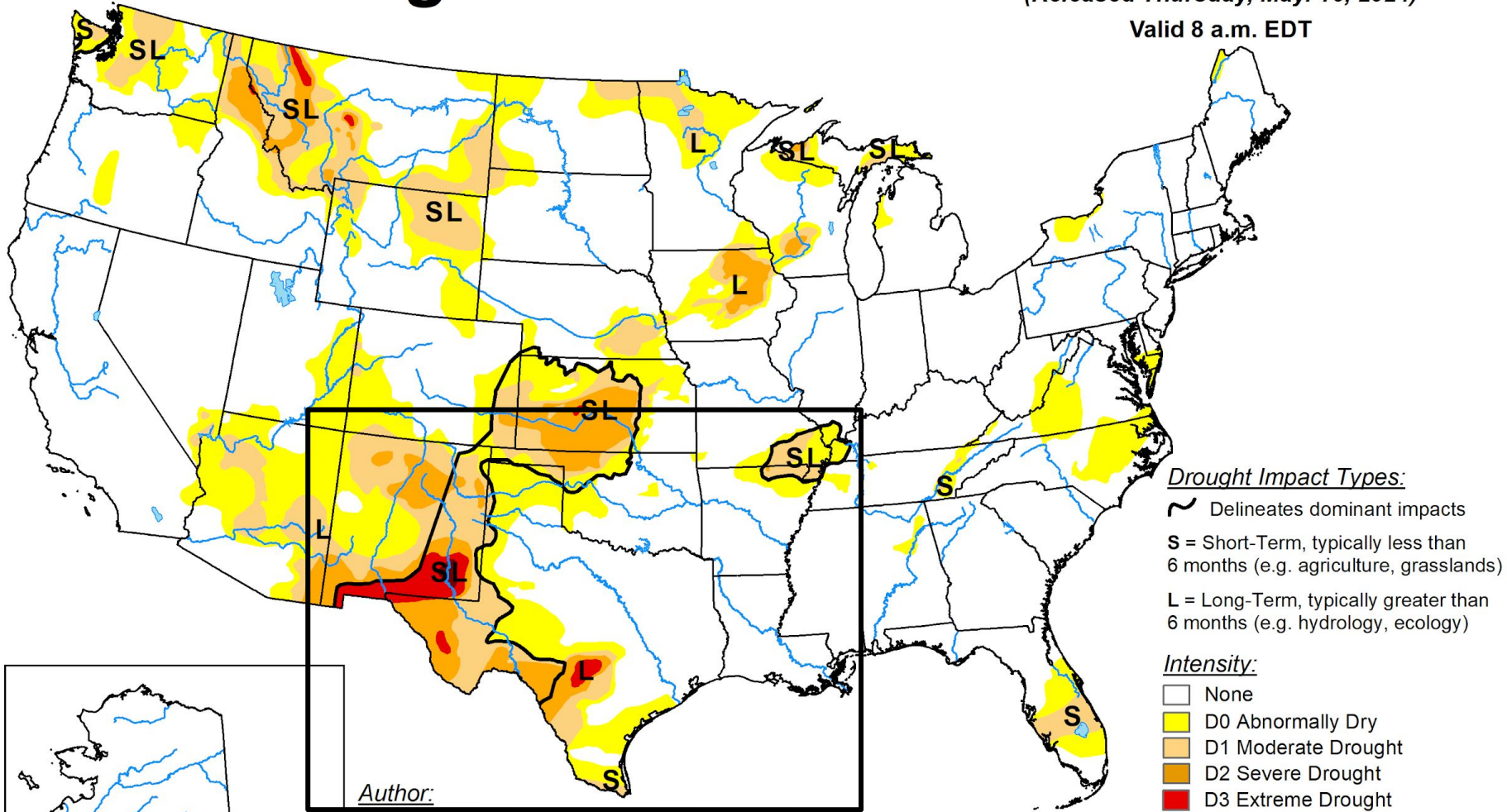




Drought Monitor

U.S. Drought Monitor

May 14, 2024
(Released Thursday, May. 16, 2024)
Valid 8 a.m. EDT



Drought Impact Types:
~ Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

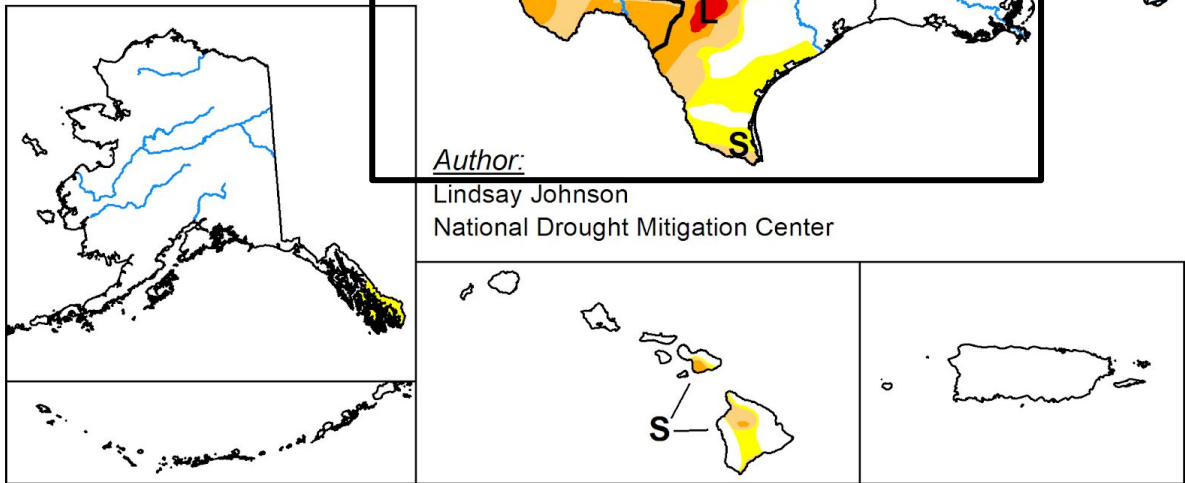
Intensity:
None
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought

Author:
Lindsay Johnson
National Drought Mitigation Center

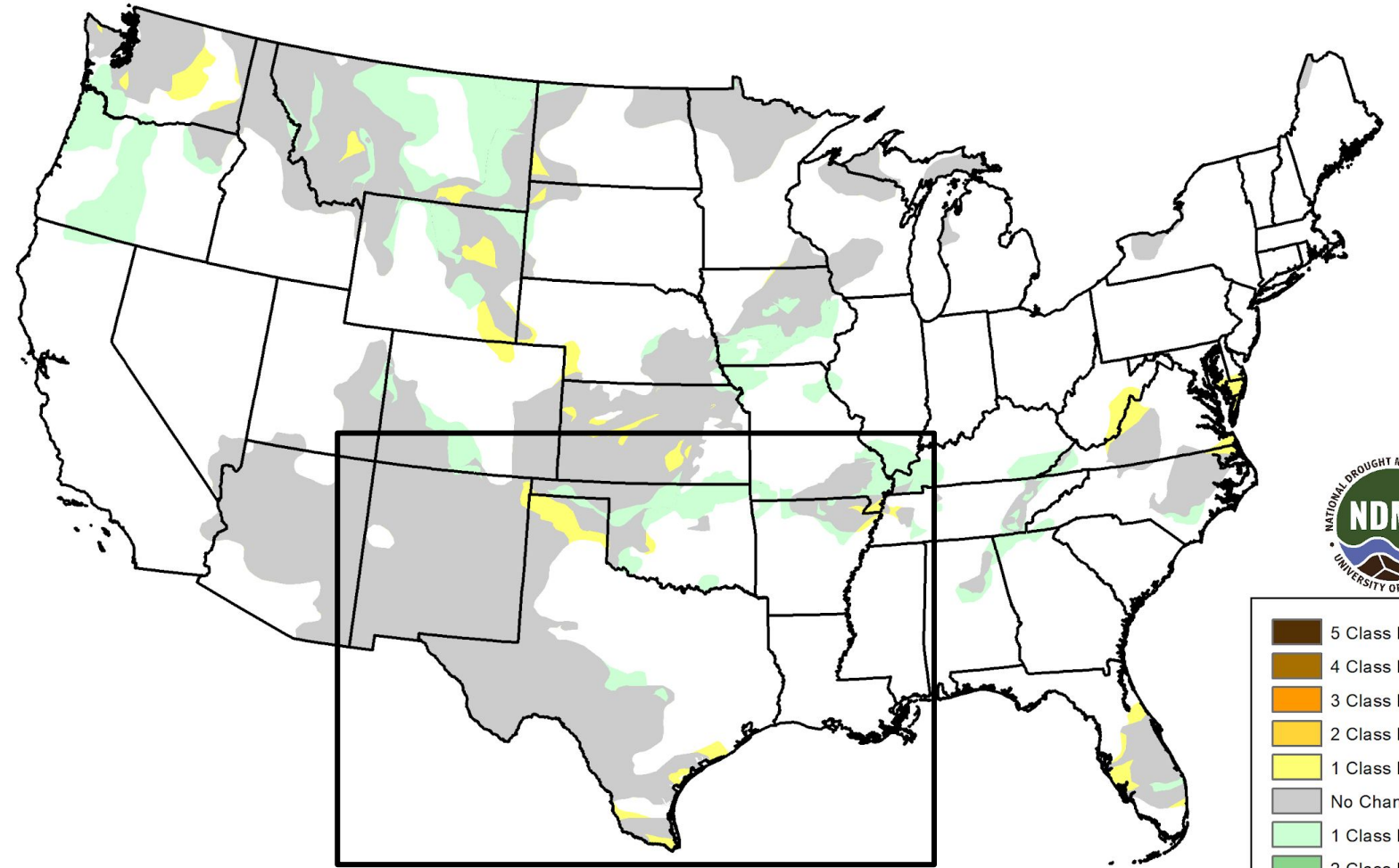
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



droughtmonitor.unl.edu



U.S. Drought Monitor Class Change - CONUS 1 Week



May 14, 2024
compared to
May 7, 2024

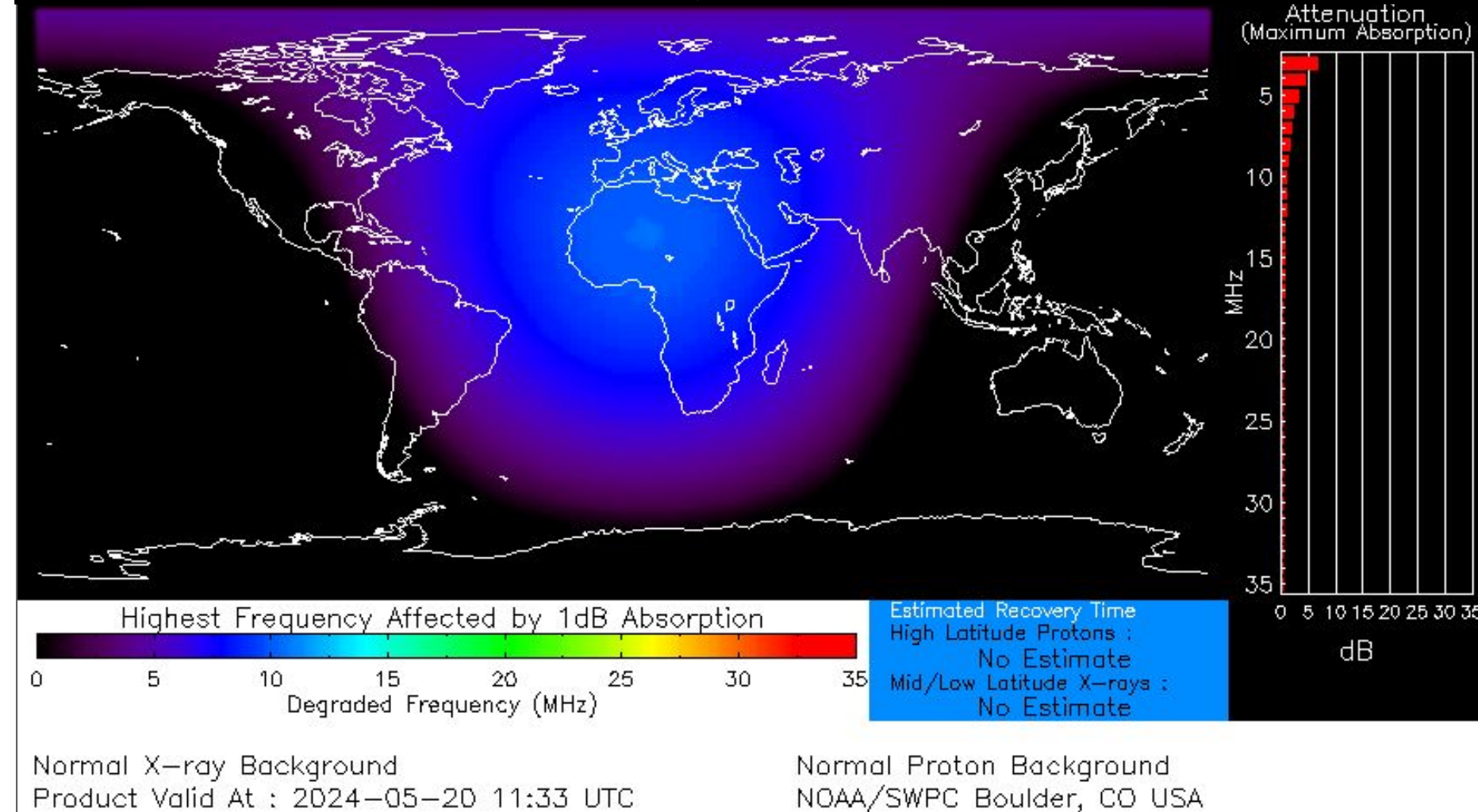
droughtmonitor.unl.edu





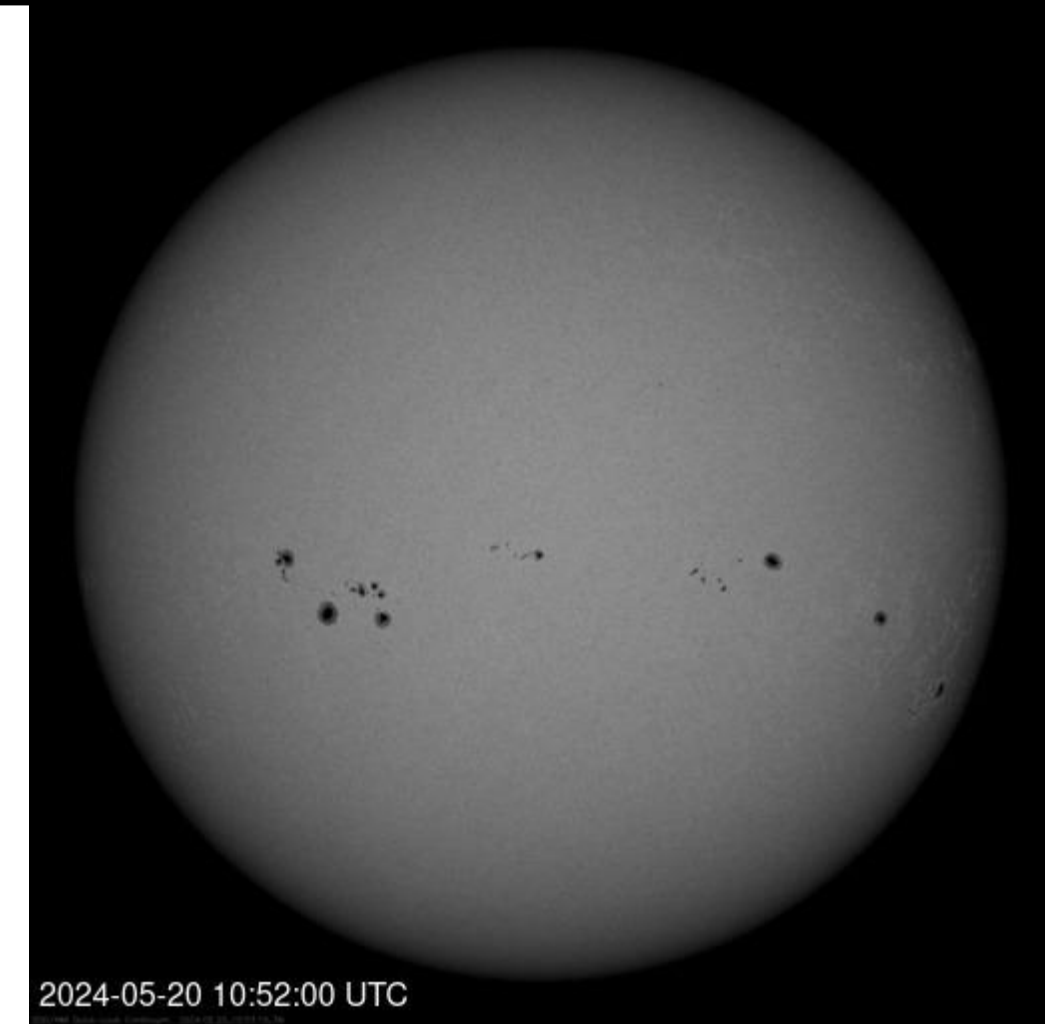
Space Weather 3-Day Forecast

	Monday, May 20	Tuesday, May 21	Wednesday, May 22
Geomagnetic Storms	Minor G1 (Max Kp = 5)	Unsettled (Max Kp = 3)	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>	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"> 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>	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"> 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>	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"> 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>	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"> 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>	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"> 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



Phone: (682) 703-3747



Facebook: NWSSouthern



E-mail: sr-srh.roc@noaa.gov



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Web: www.weather.gov/srh

