



# FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Monday, April 08, 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 of the Upcoming Week

- **Elevated fire weather conditions across S NM, W TX today; Elevated to critical fire weather conditions for W TX Tuesday.**
- **Increased severe storm and/or flash flood potential from late this afternoon through Wednesday across TX, S OK, S AR, and LA.**
- **Increasing low clouds are forecast along the eclipse path across Texas, southeast Oklahoma, and southern Arkansas today.**
- **Widespread minor river flooding expected with isolated moderate possible for N/E TX, SE OK, AR, LA due to heavy rain from early to mid-week.**





# FEMA Region 6 Threat Matrix

Next 5 Days

	Monday, Apr 8	Tuesday, Apr 9	Wednesday, Apr 10	Thursday, Apr 11	Friday, Apr 12
<b>Severe Storms</b>	TX, S OK, SAR, N/W LA	TX, SAR, LA	E/SE TX, SAR, LA		
<b>Heavy Rain / Flash Flooding</b>	NETX, SE OK, SAR, N LA	N/Ctr/E TX, SE OK, AR, LA	NETX, SE OK, AR, LA		
<b>Fire Weather</b>	S NM, WTX	WTX			
<b>Cold</b>					
<b>Winter Weather</b>					
<b>River Flooding</b>	LA	N/ETX, SE OK, LA, AR	N/ETX, SE OK, LA, AR	N/ETX, SE OK, LA, AR	N/ETX, SE OK, LA, AR

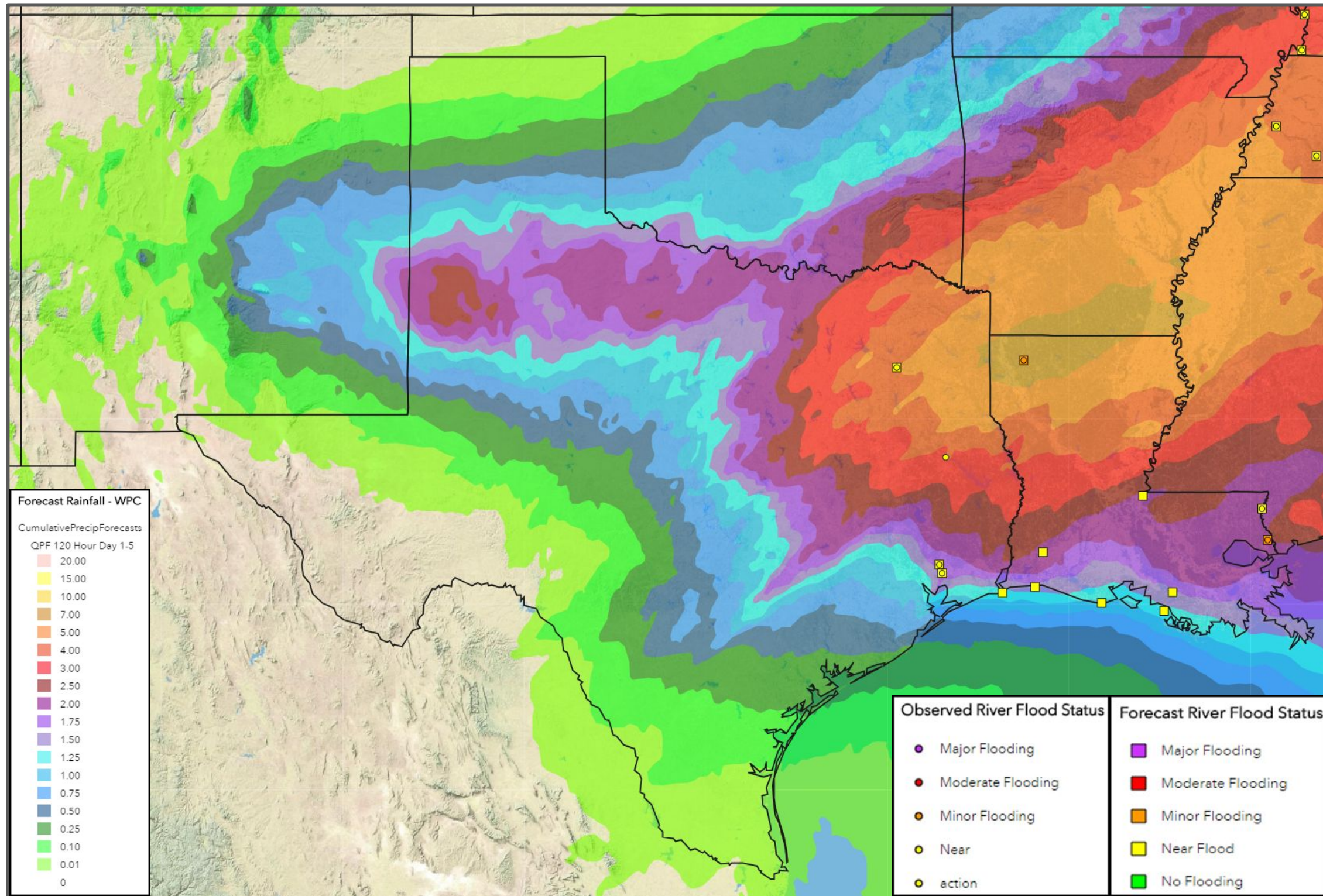
*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

<b>Risk Levels</b>	Little to None	Minor	Moderate	Major	Extreme
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# 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

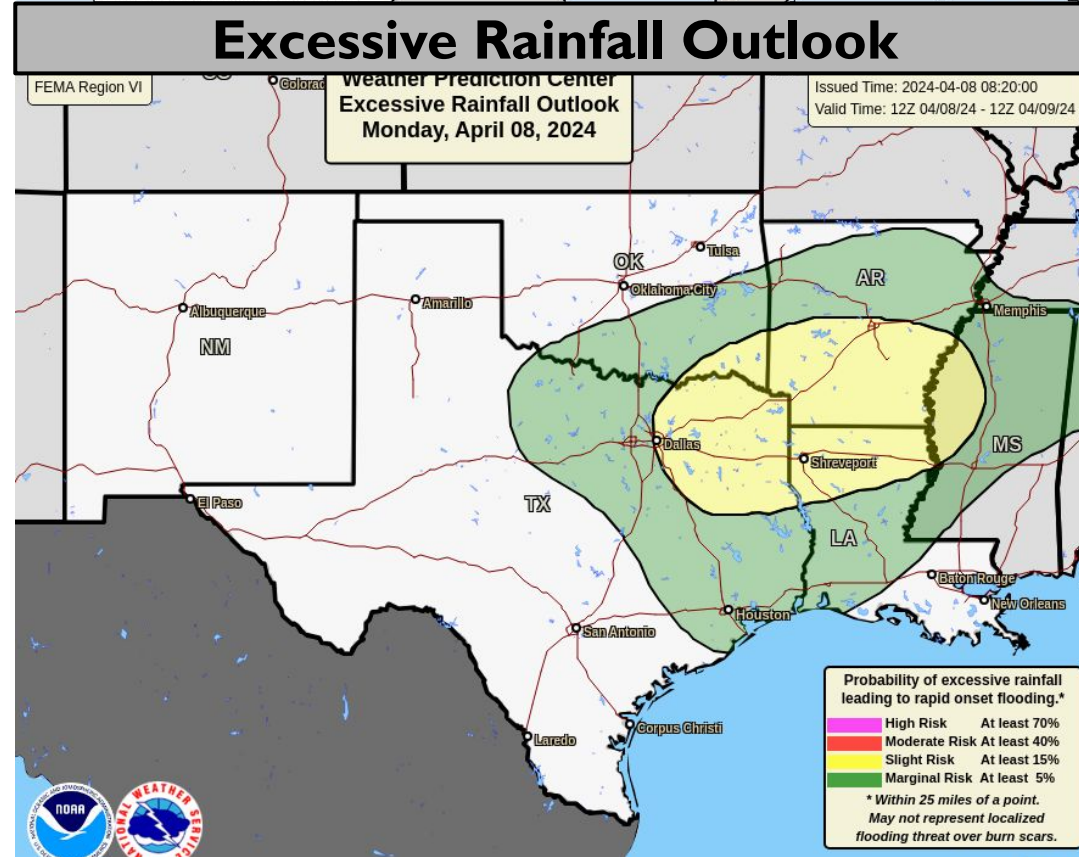
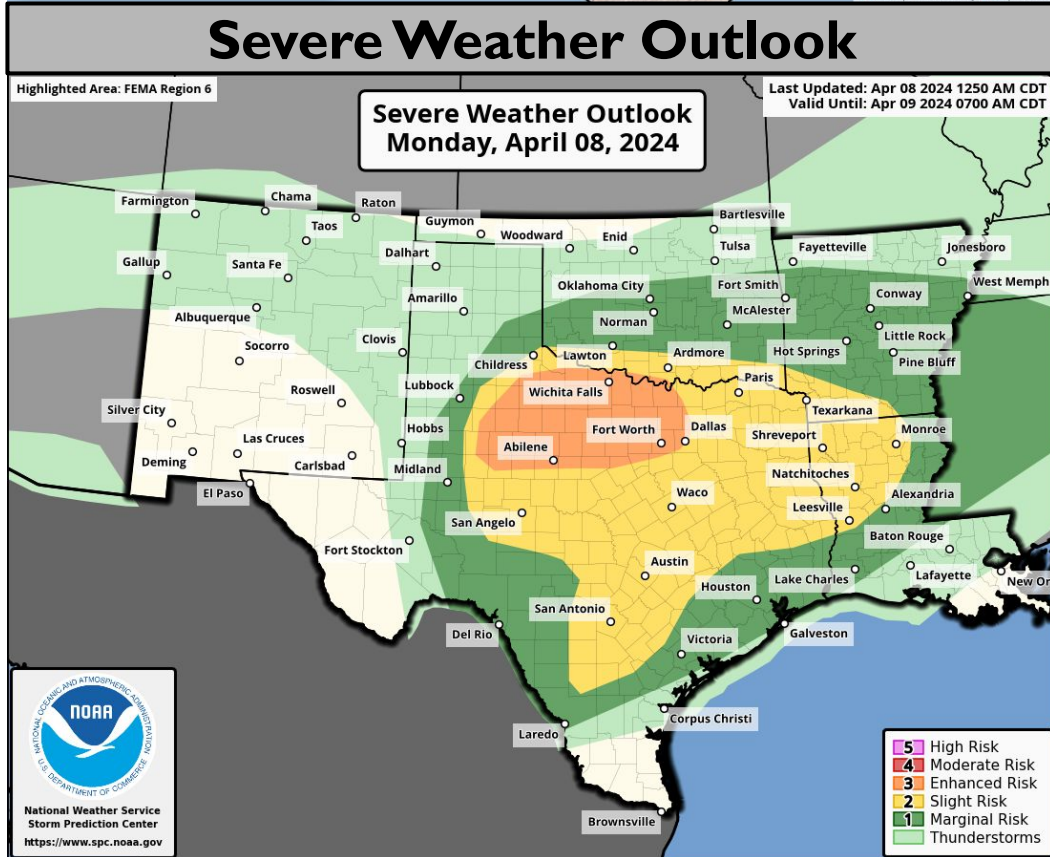
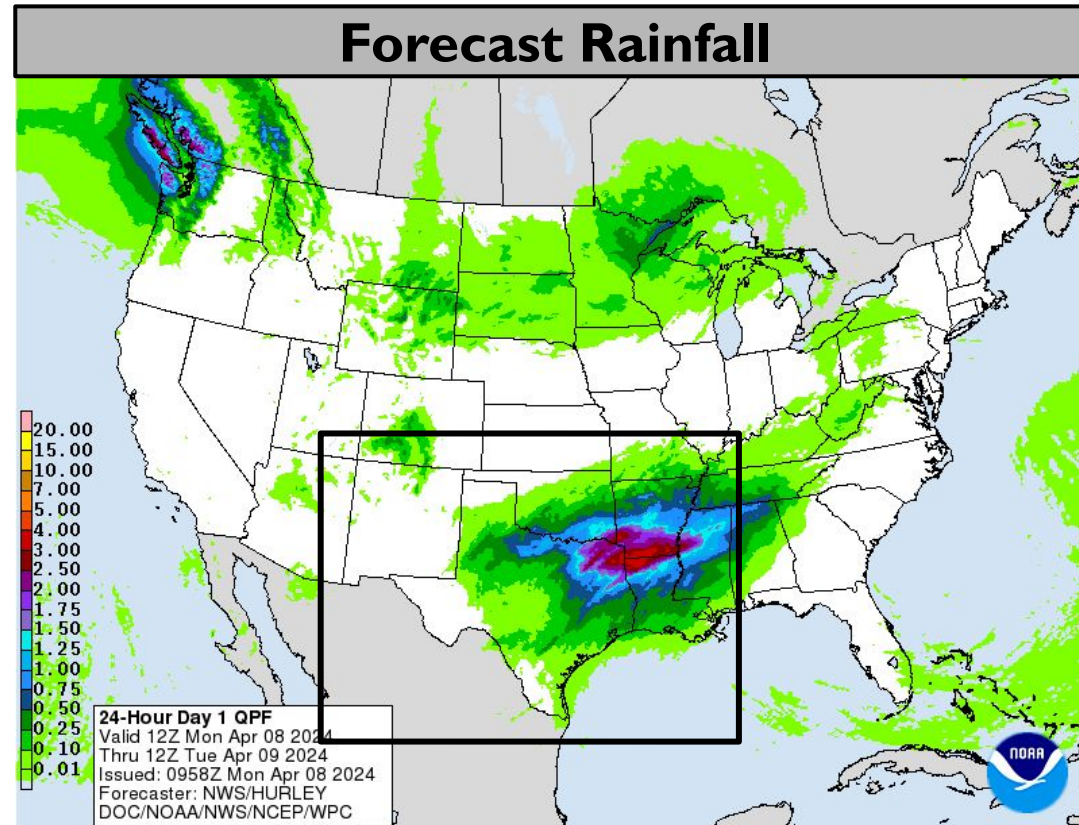
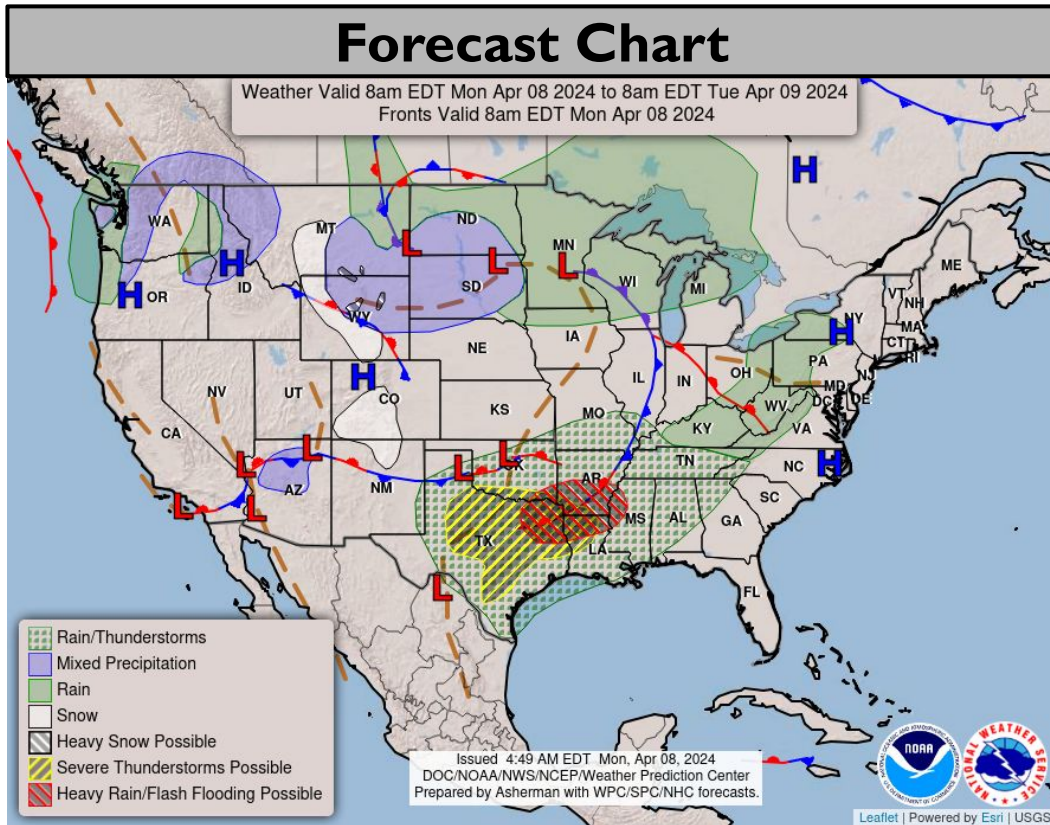


**Isolated minor river flooding continues in E TX and LA. Flooding of lowlands, agricultural lands, and secondary roads.**

**Widespread minor river flooding expected with isolated moderate possible for N/E TX, SE OK, AR, LA due to heavy rain from early to mid-week.**



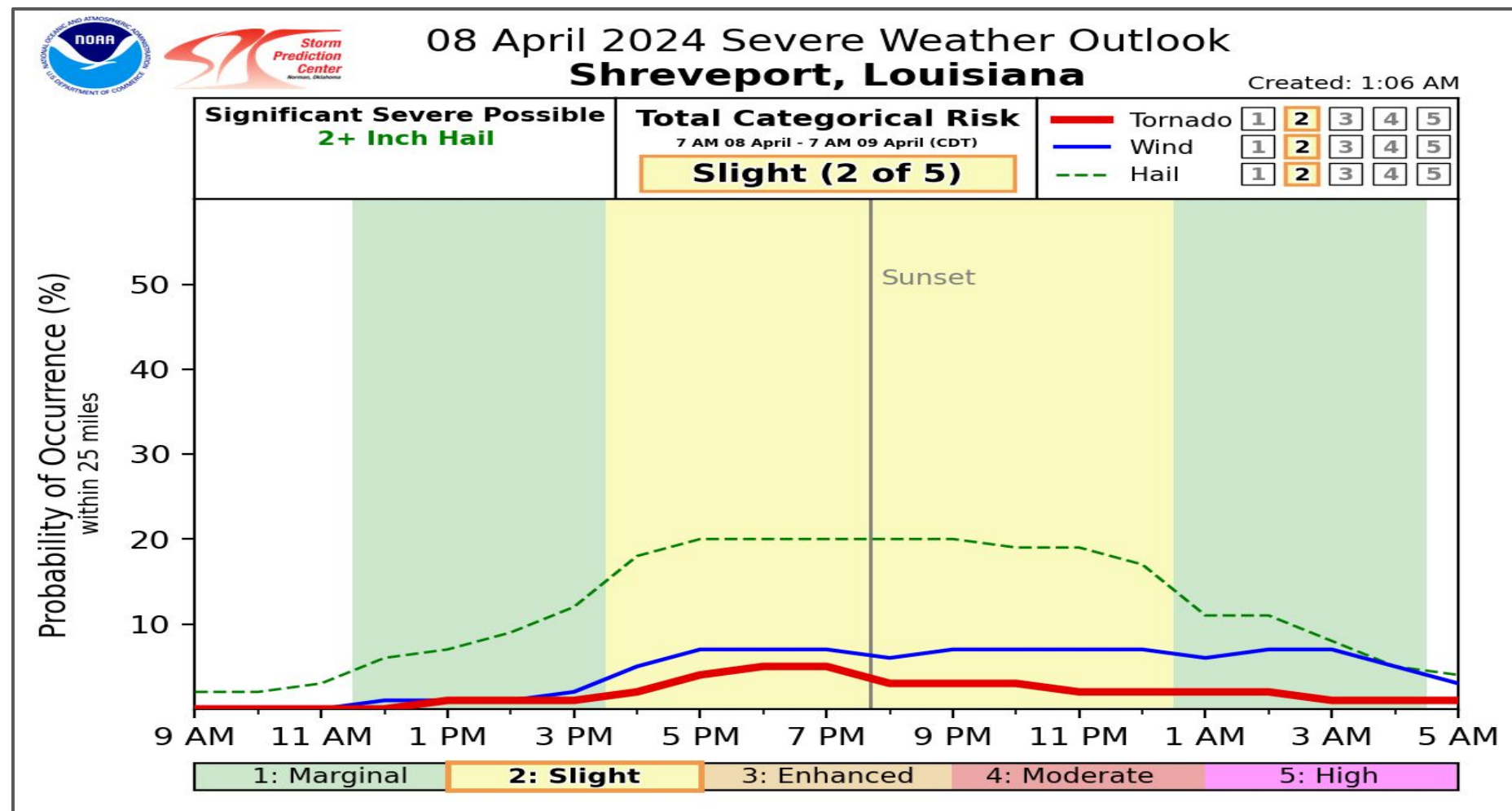
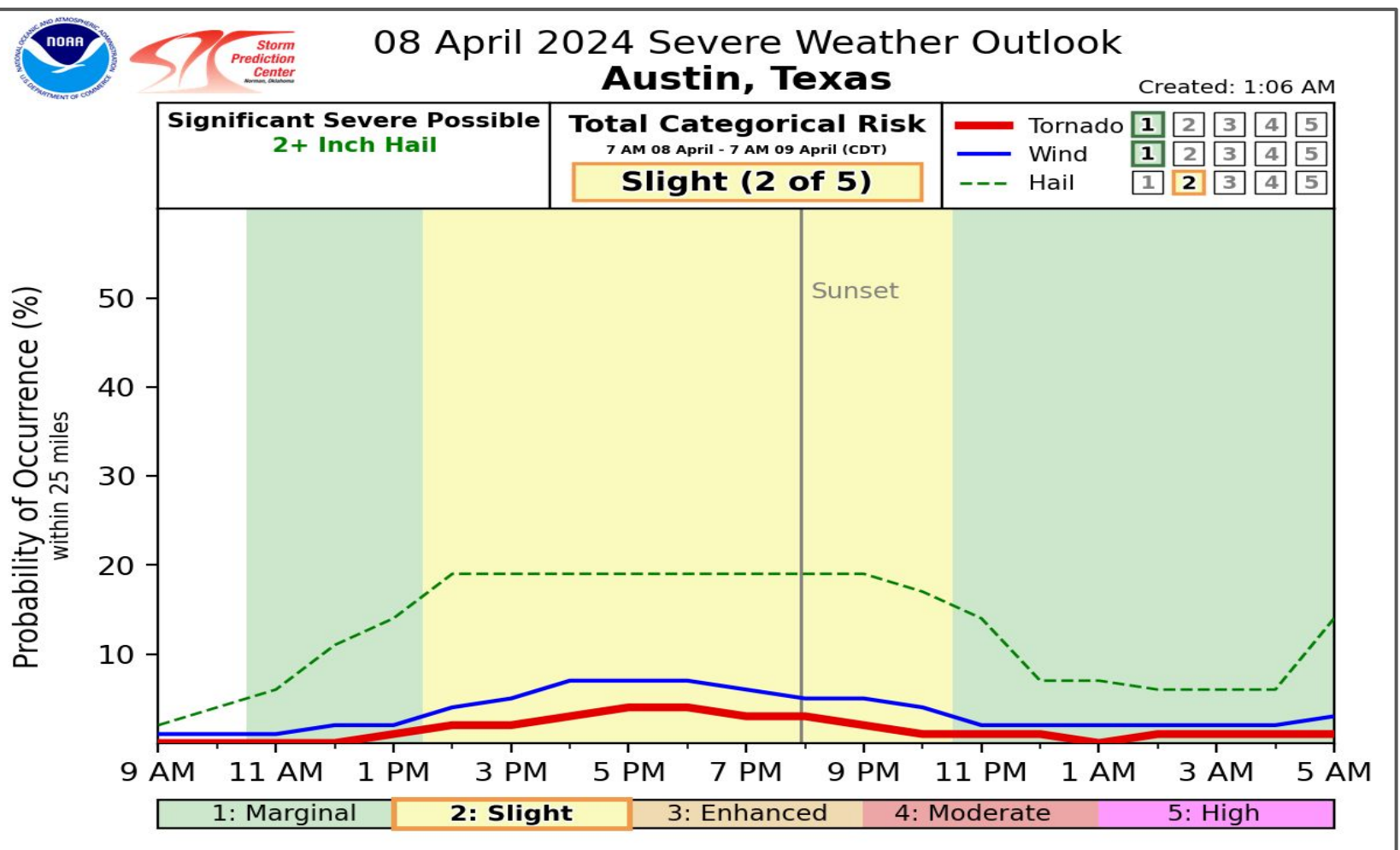
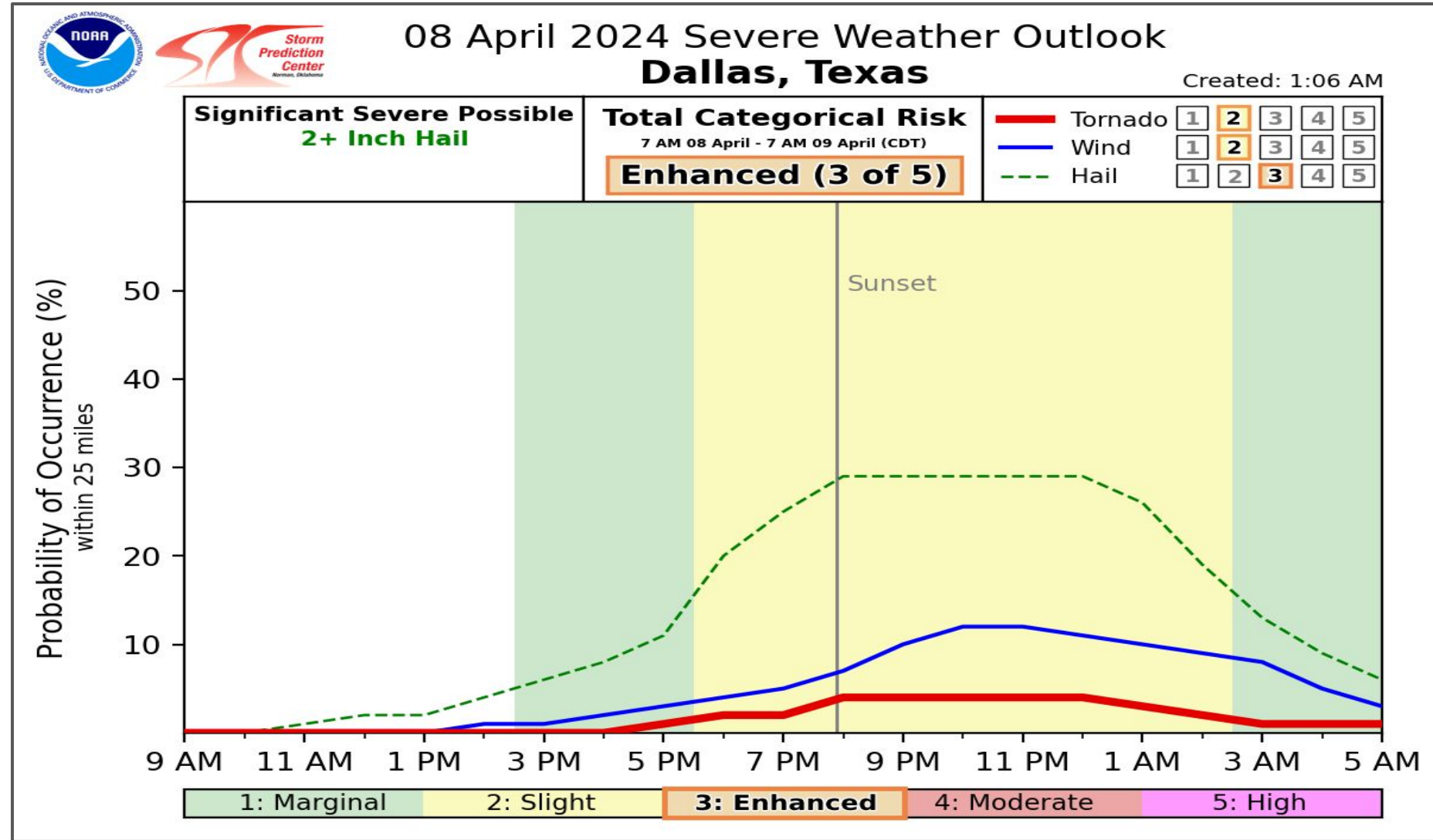
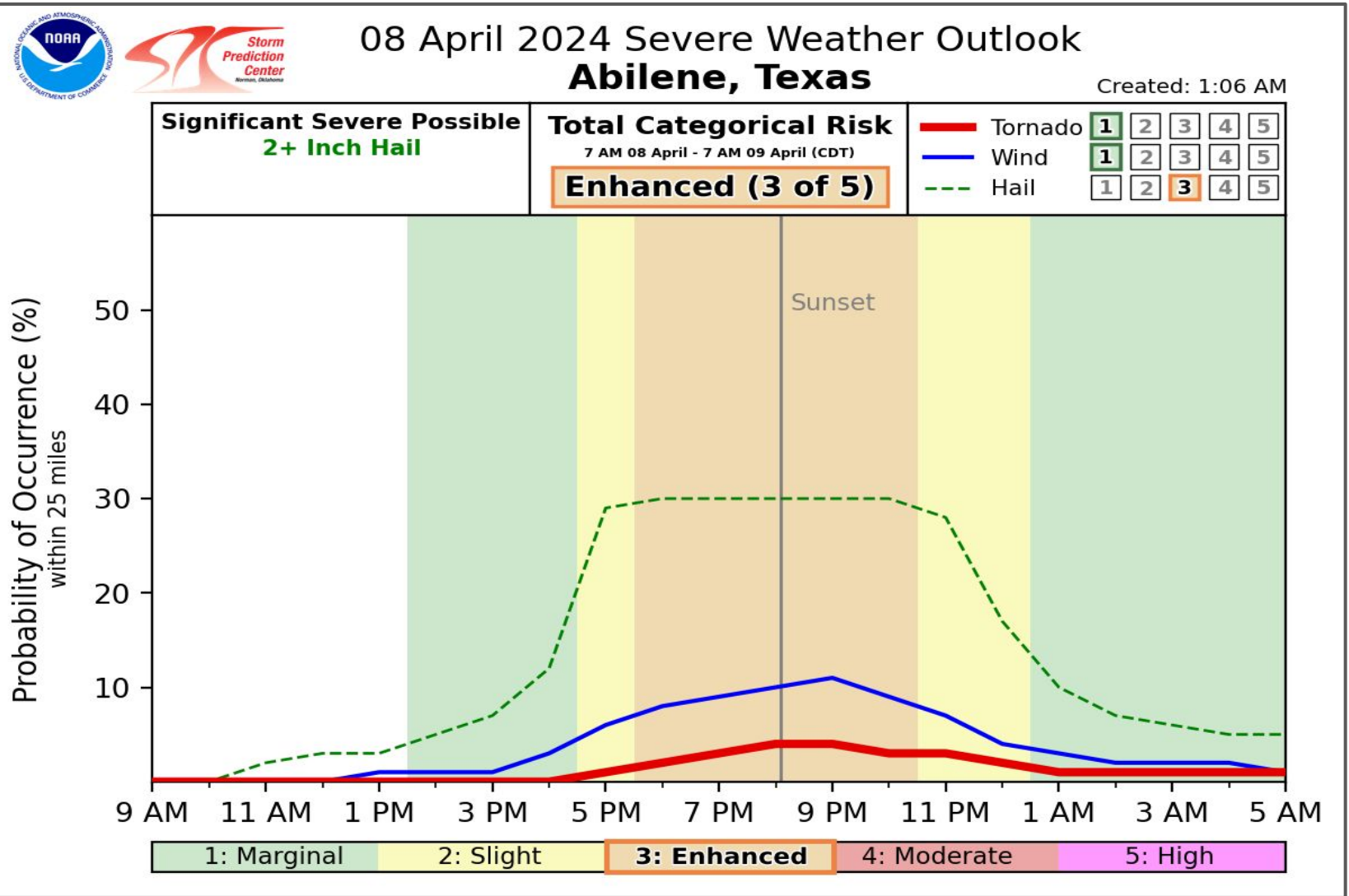
# Today's Weather

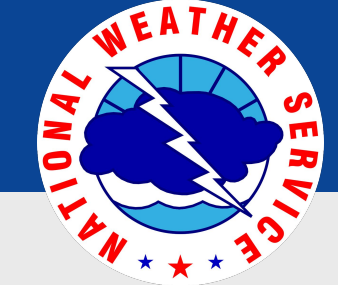


Slight to Enhanced risk of severe storms afternoon into tonight for much of TX, S OK, S AR, N/W LA.

Slight risk of heavy rain/flash flooding this afternoon into tonight for NETX, SE OK, S AR, N LA

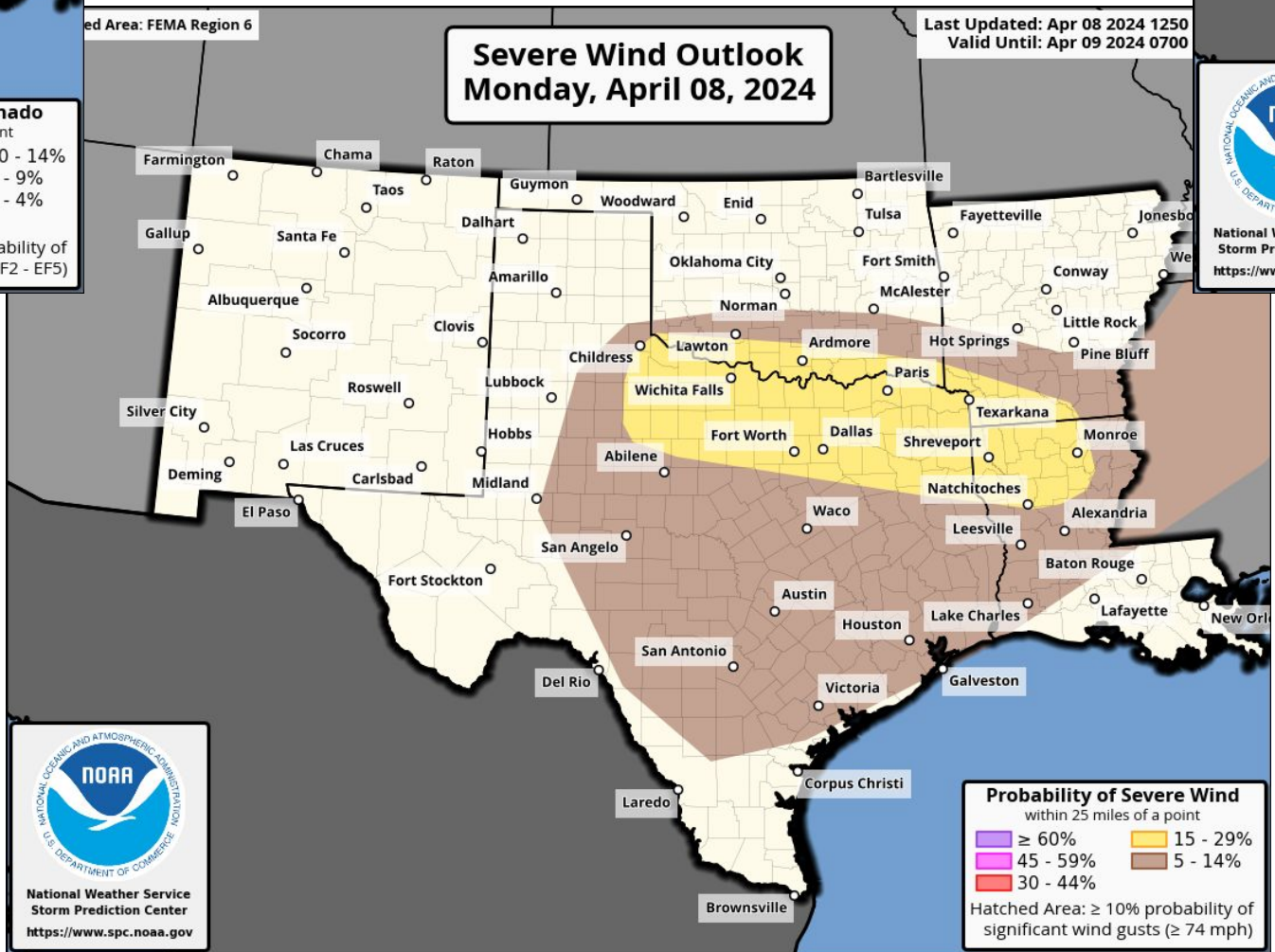
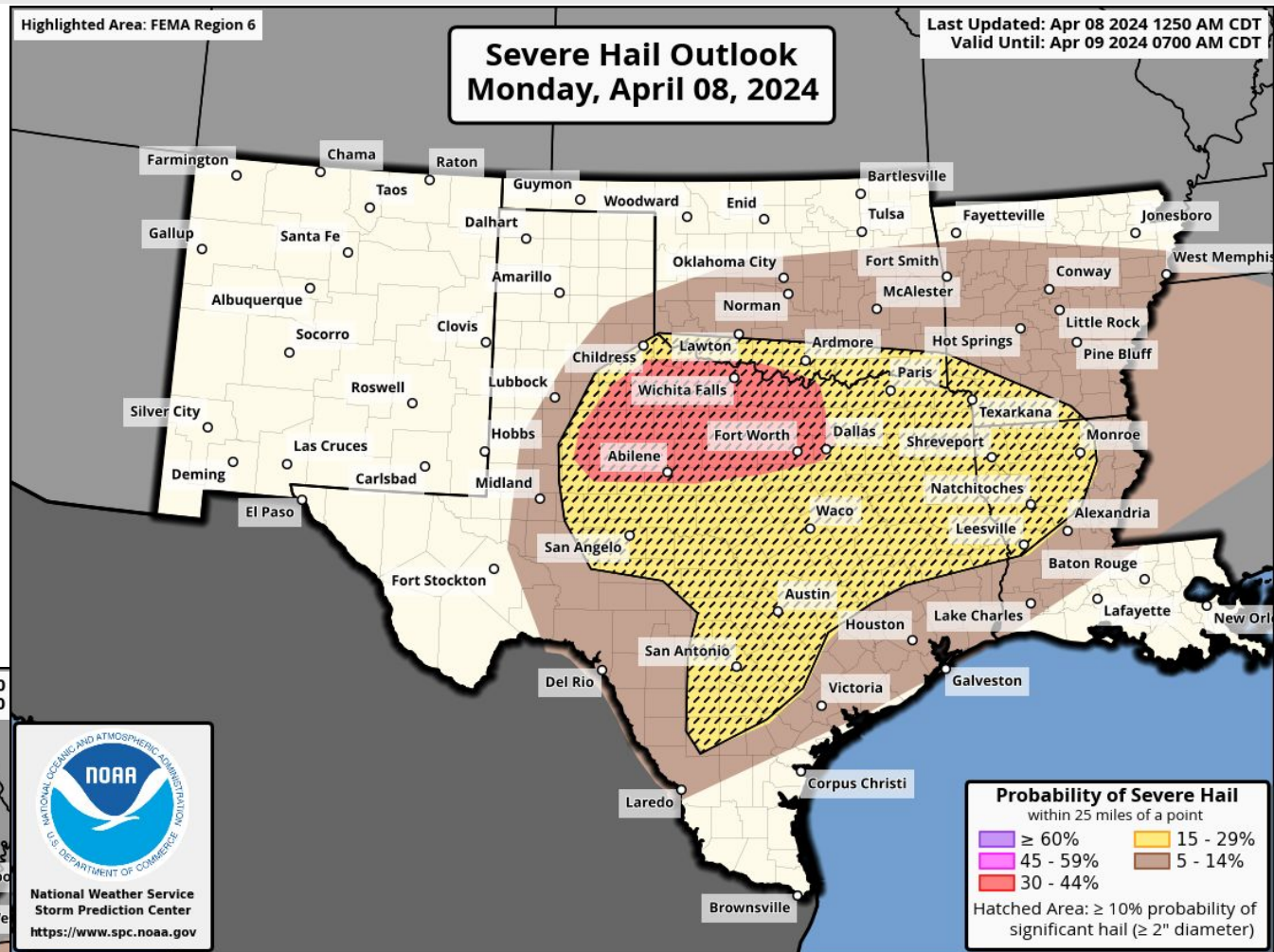
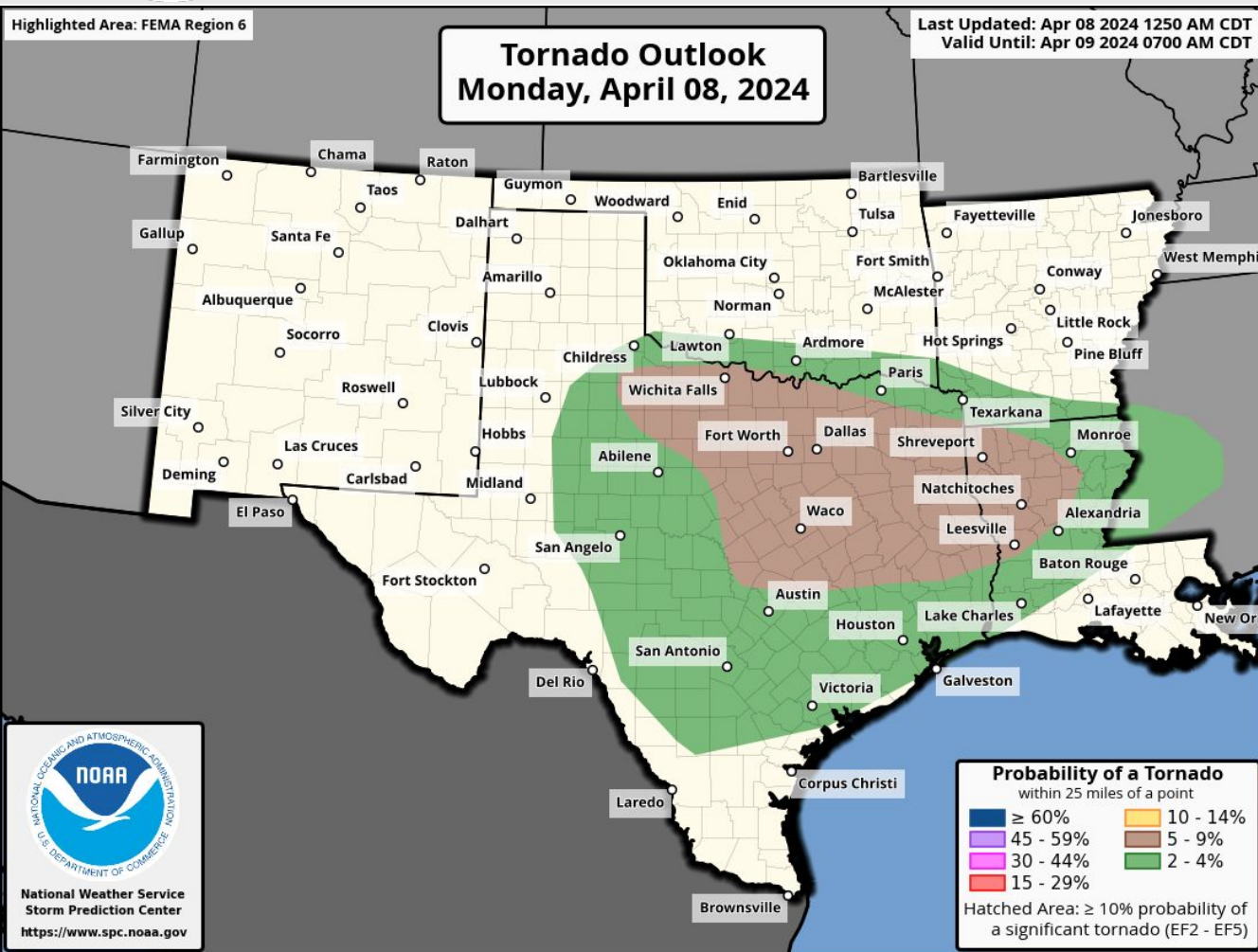
Elevated fire weather conditions for S NM, W TX





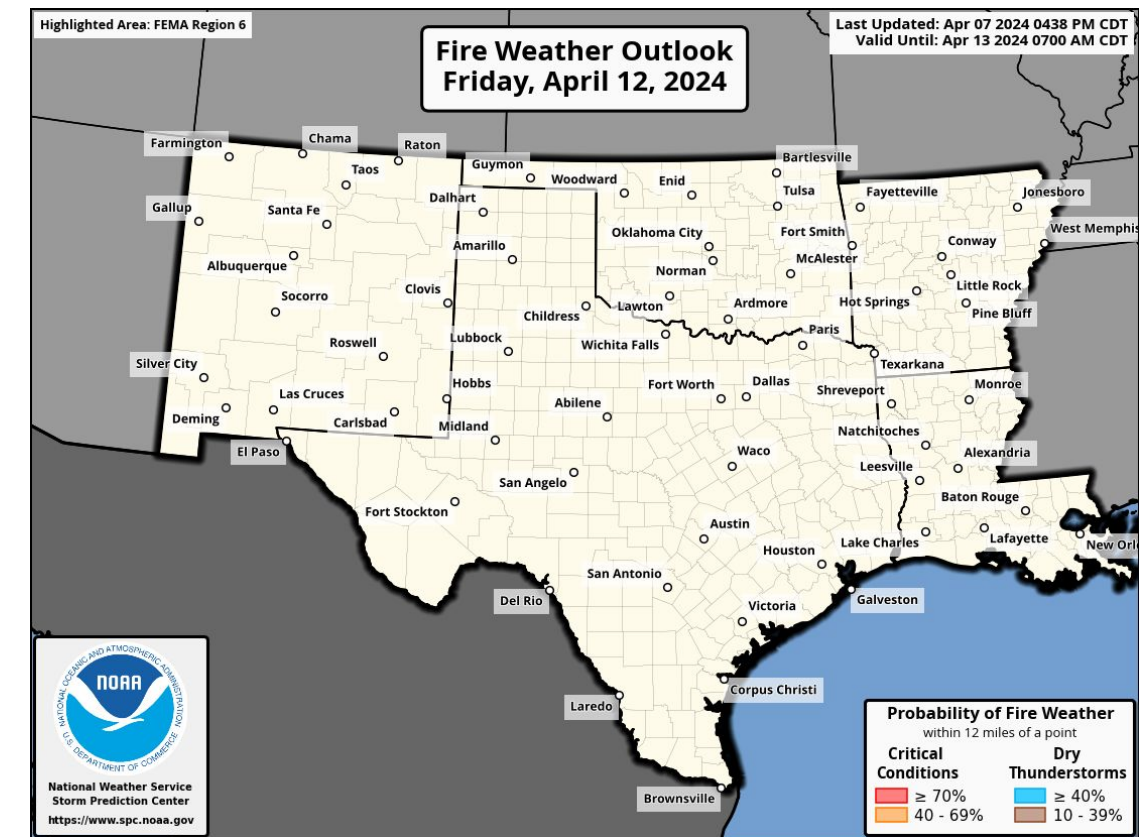
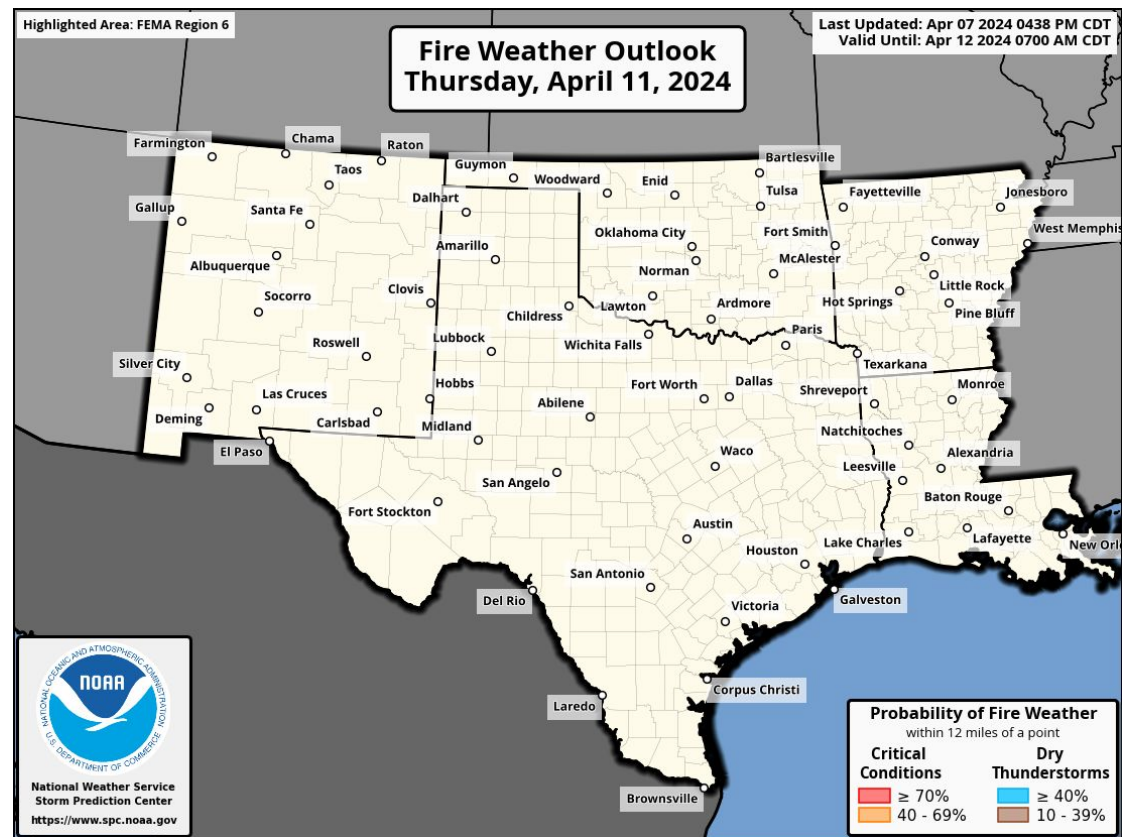
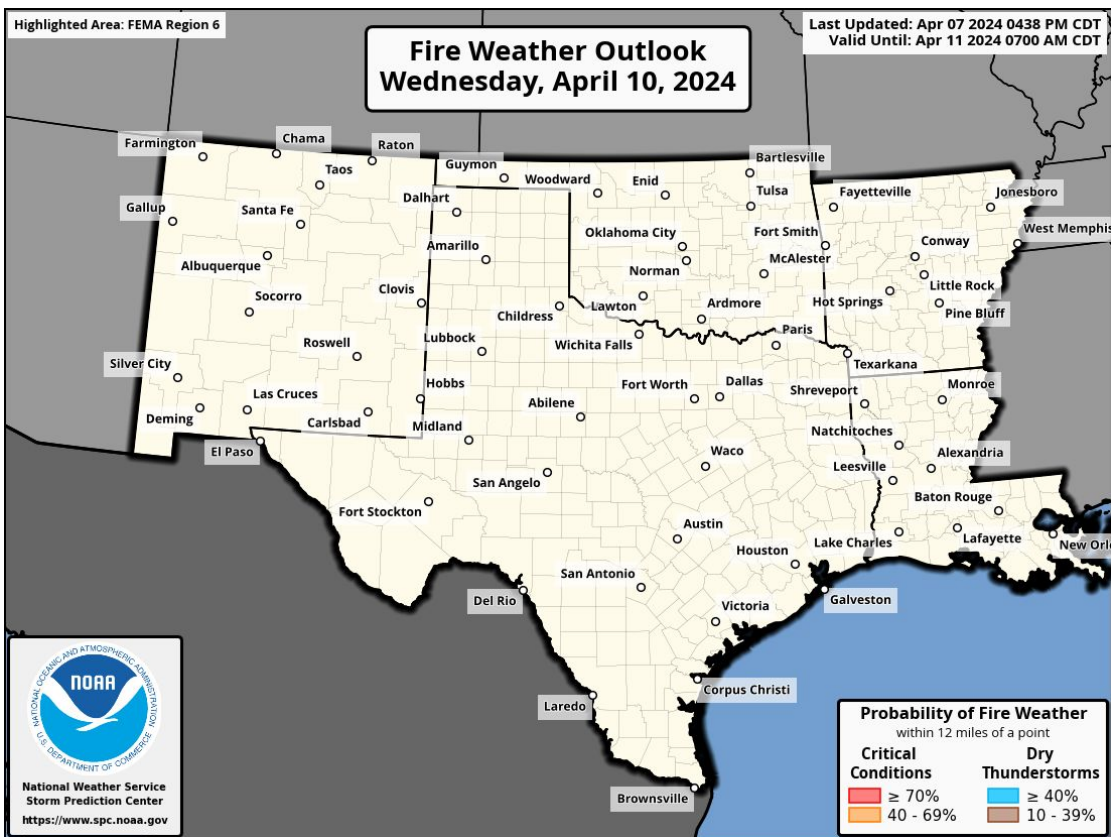
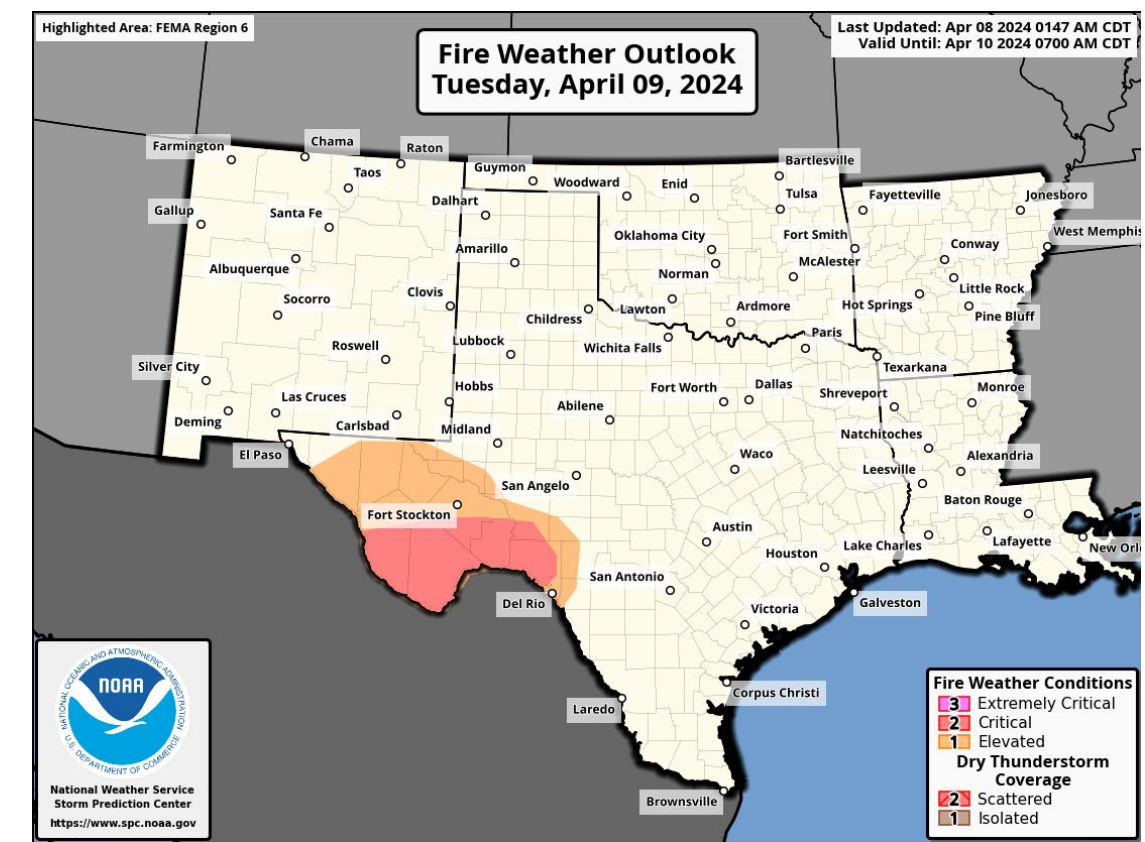
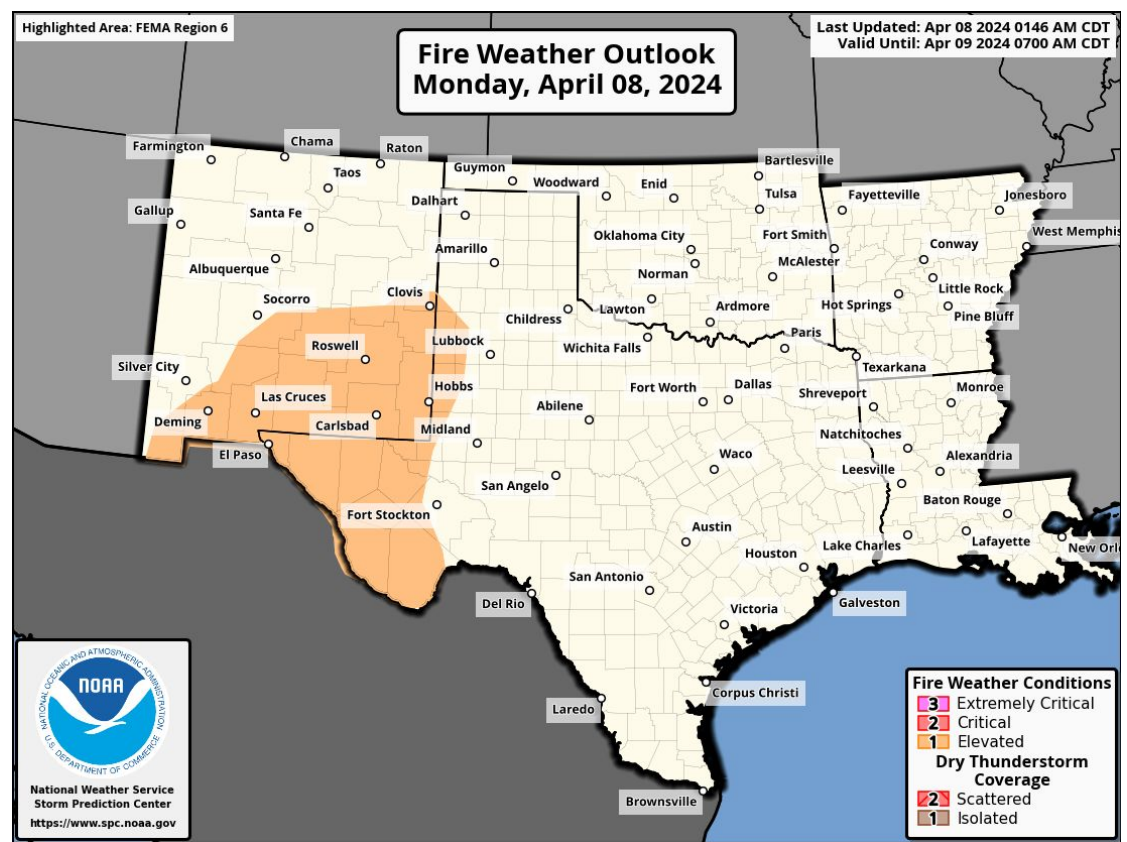
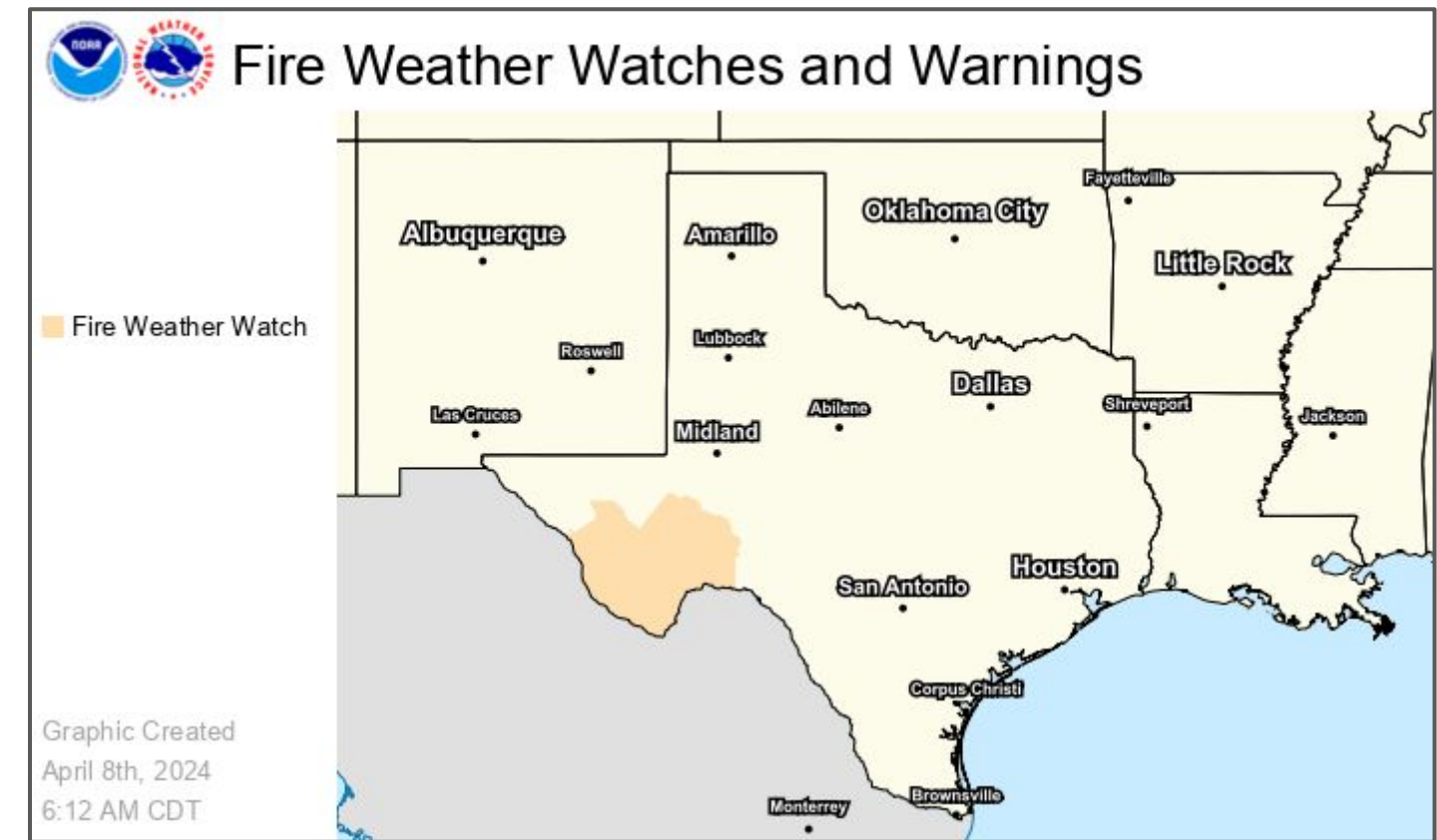
# Today's Tornado & Severe Wind / Hail Probabilities

April 8, 2024





# Fire Weather Outlooks



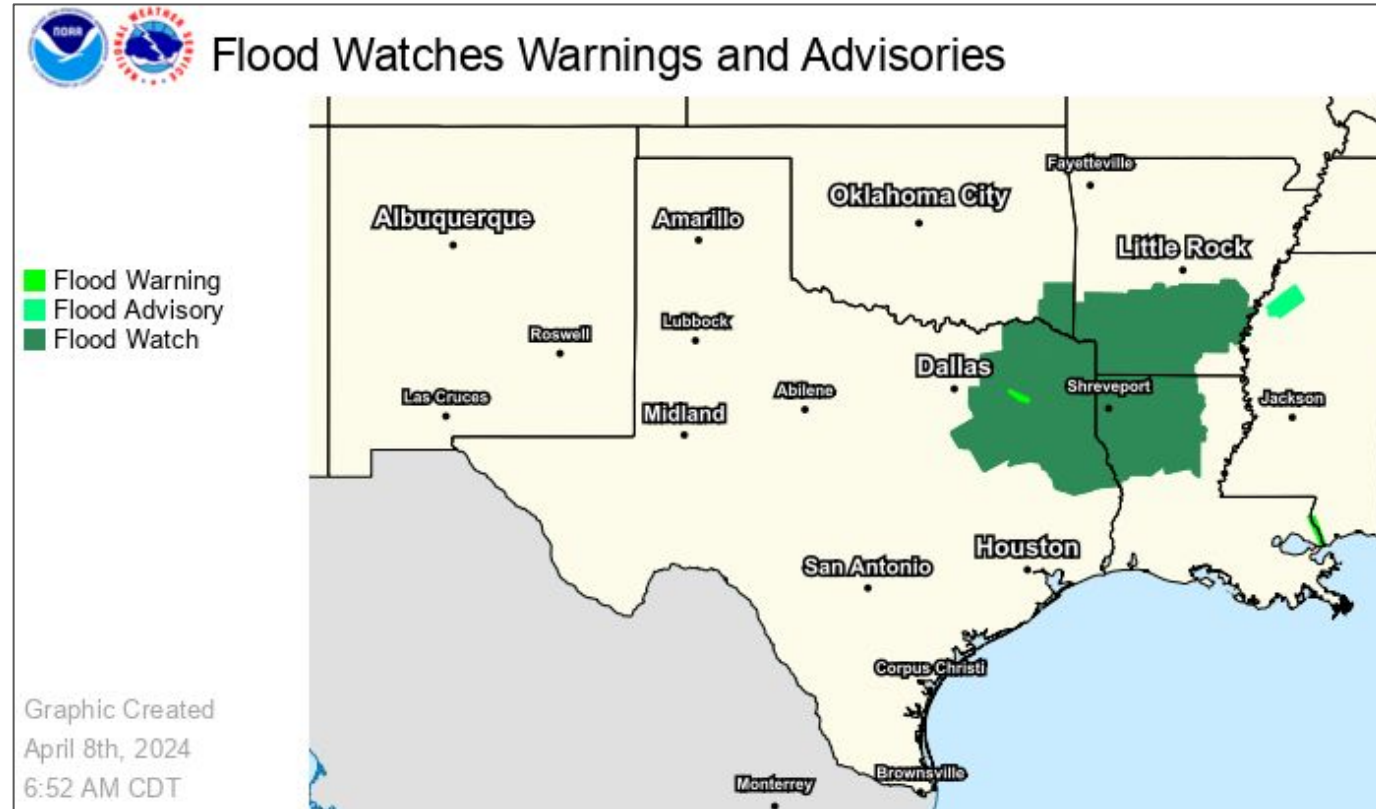
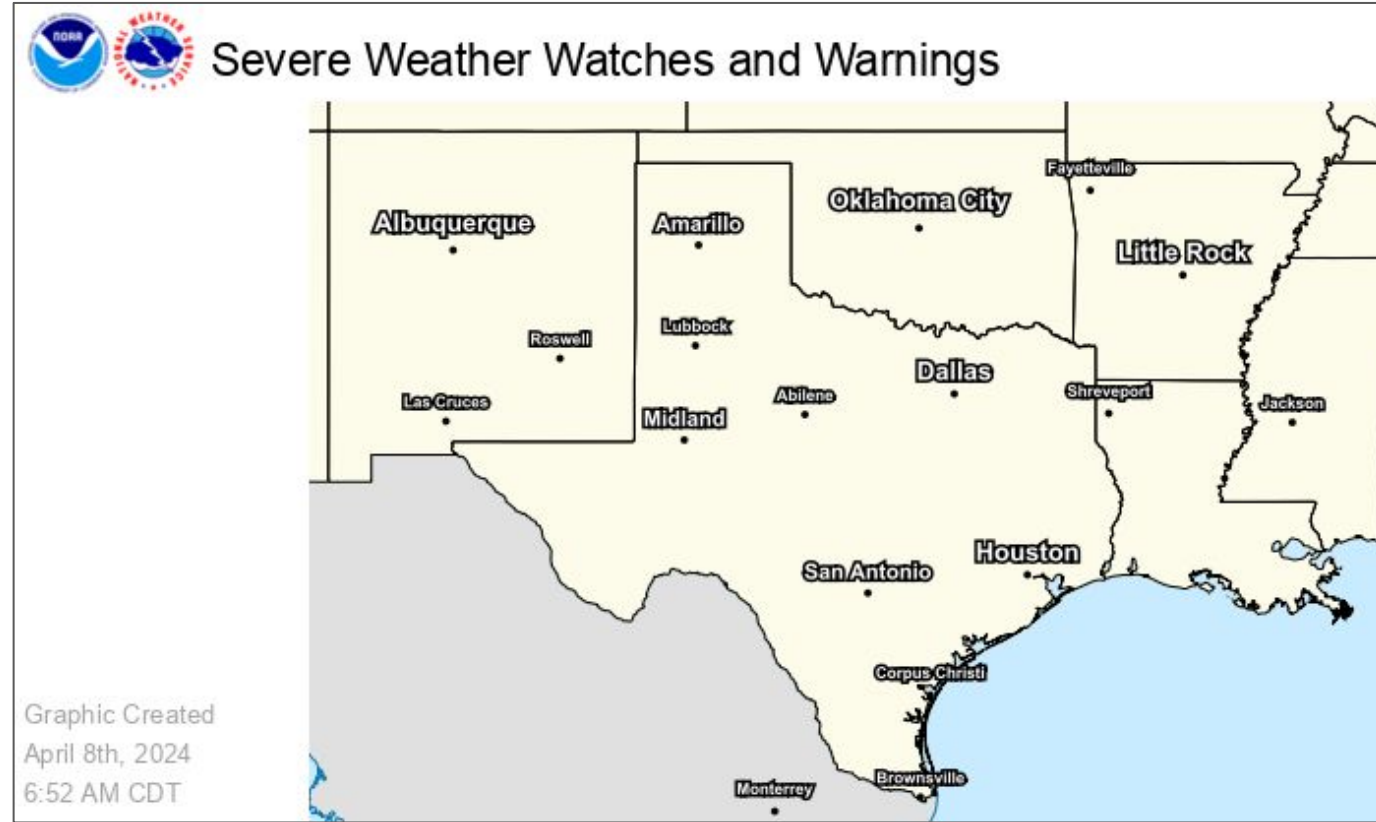


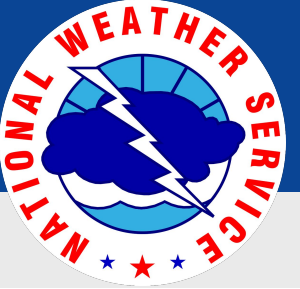


# Watches, Warnings, and Advisories

## Wind, Severe, Winter, and Flood Hazards

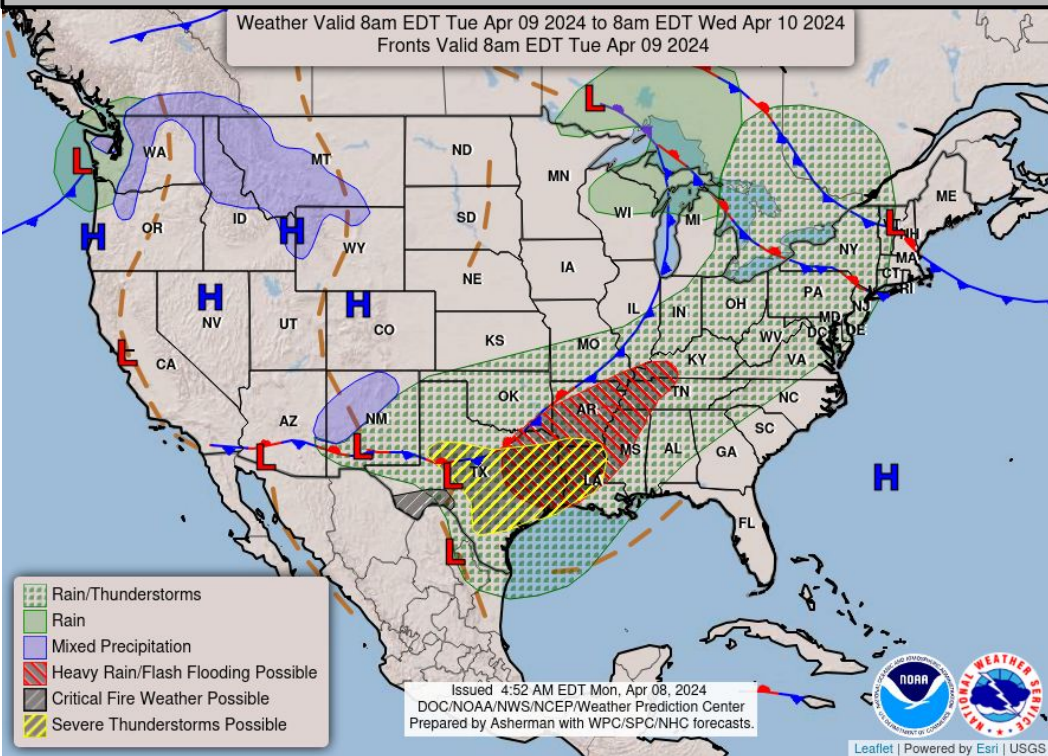
**Flood Watch for SE OK,  
S AR, E TX, N LA  
through Wednesday**



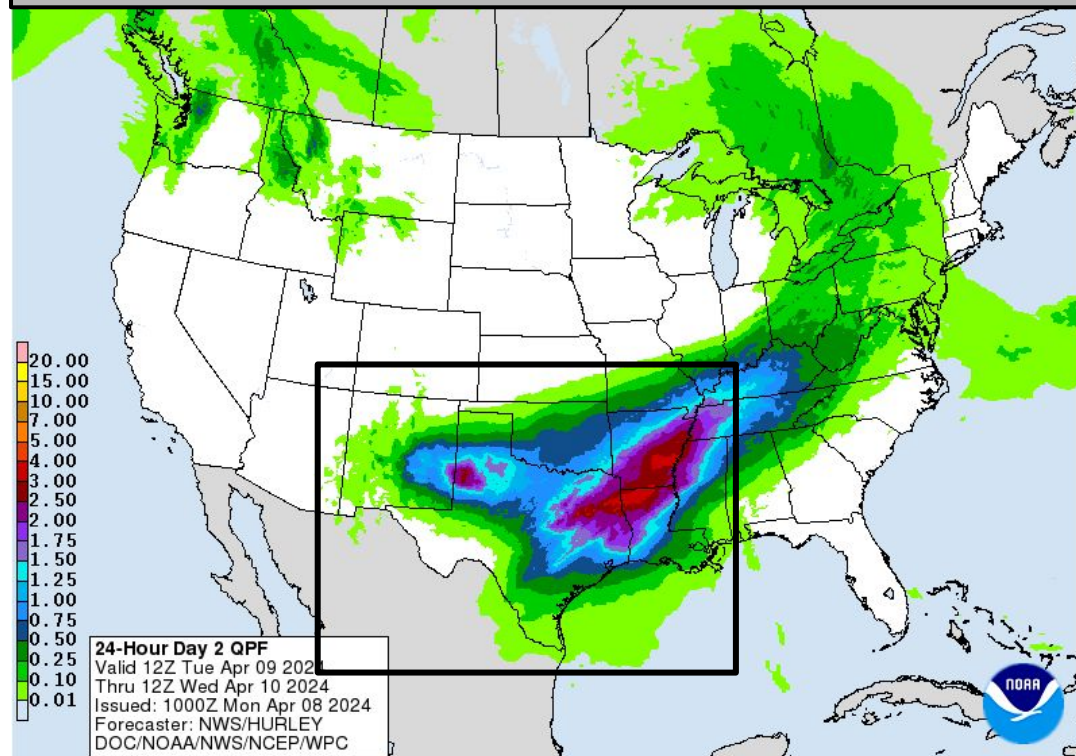


# Tomorrow's Weather

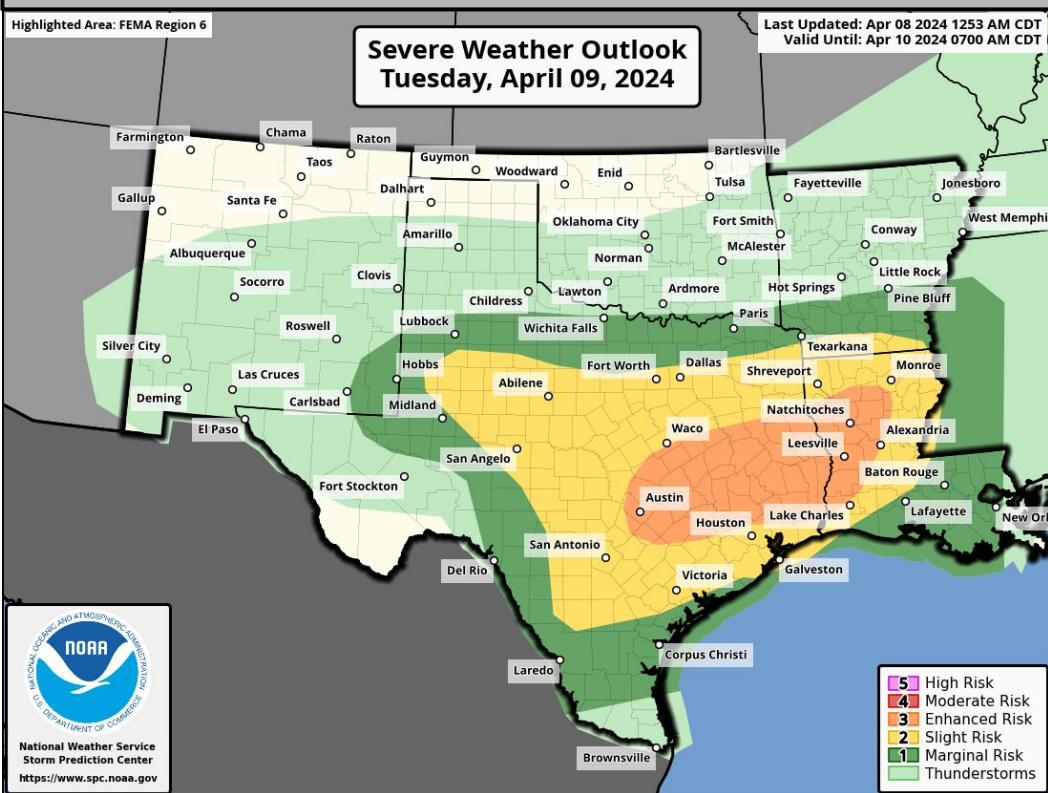
## Forecast Chart



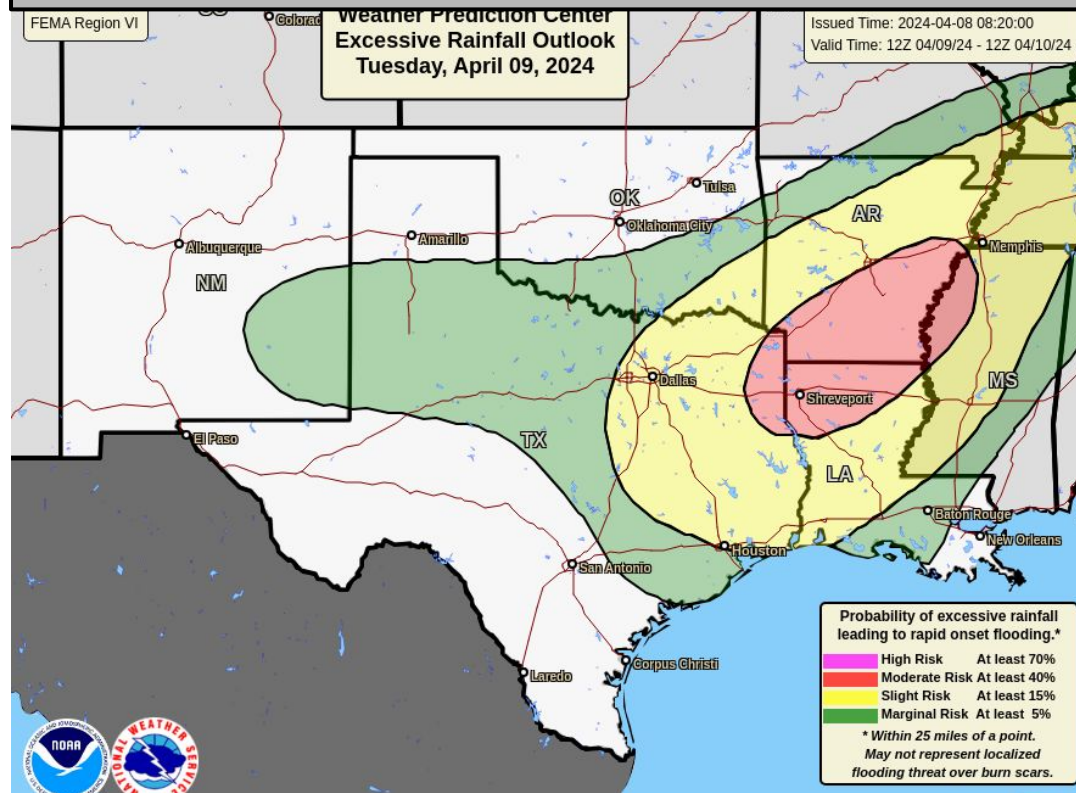
## Forecast Rainfall



## Severe Weather Outlook



## Excessive Rainfall Outlook



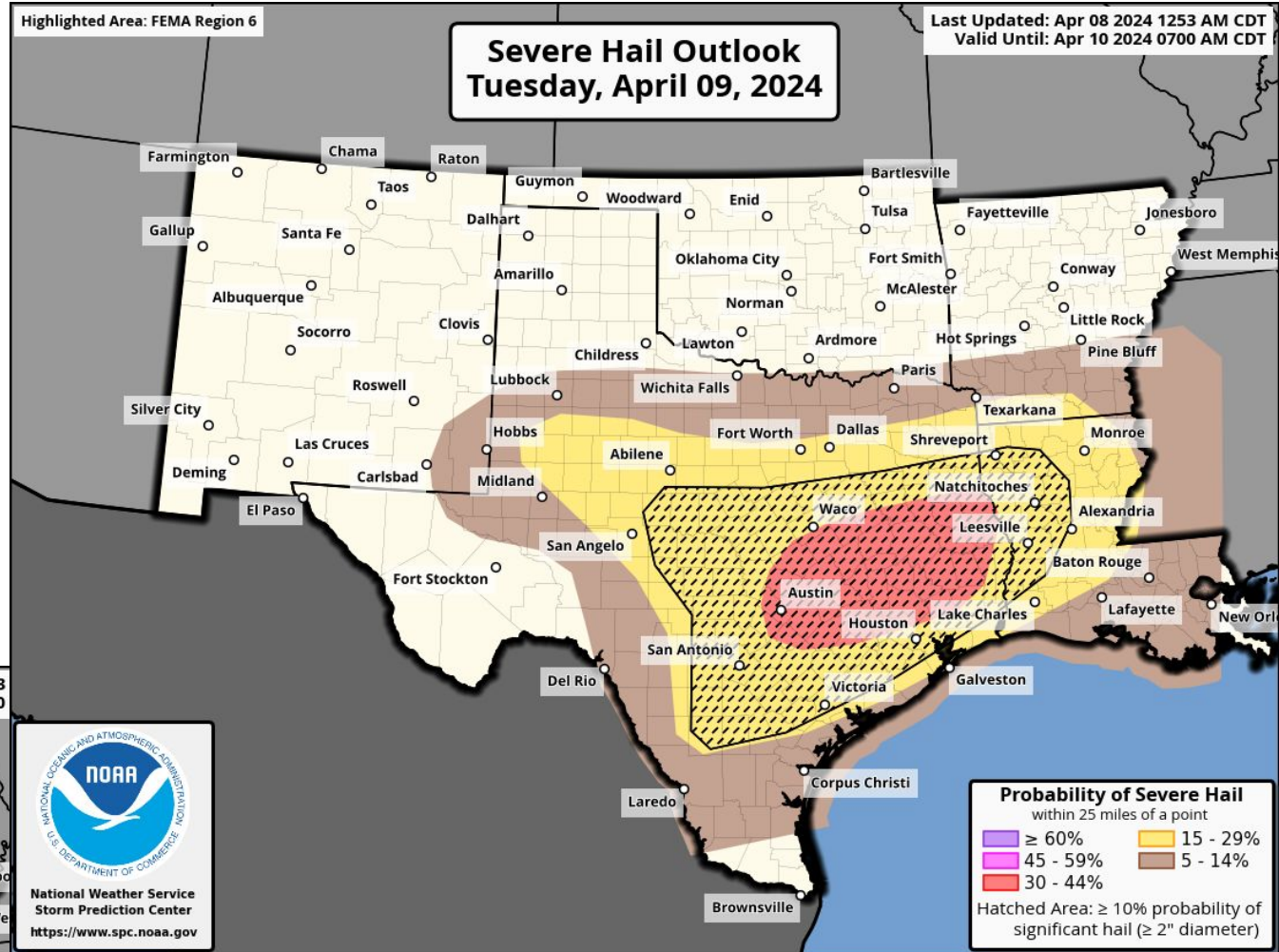
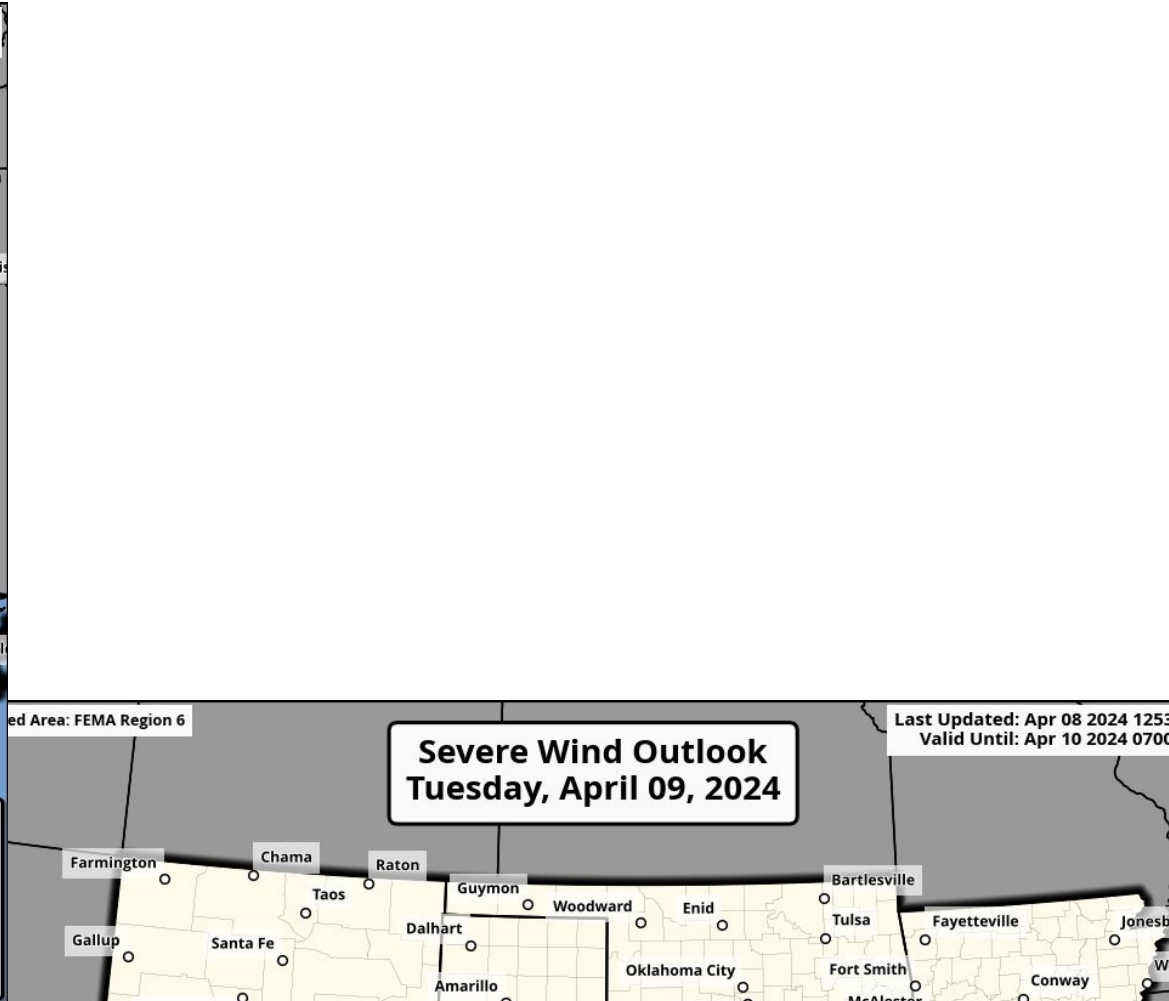
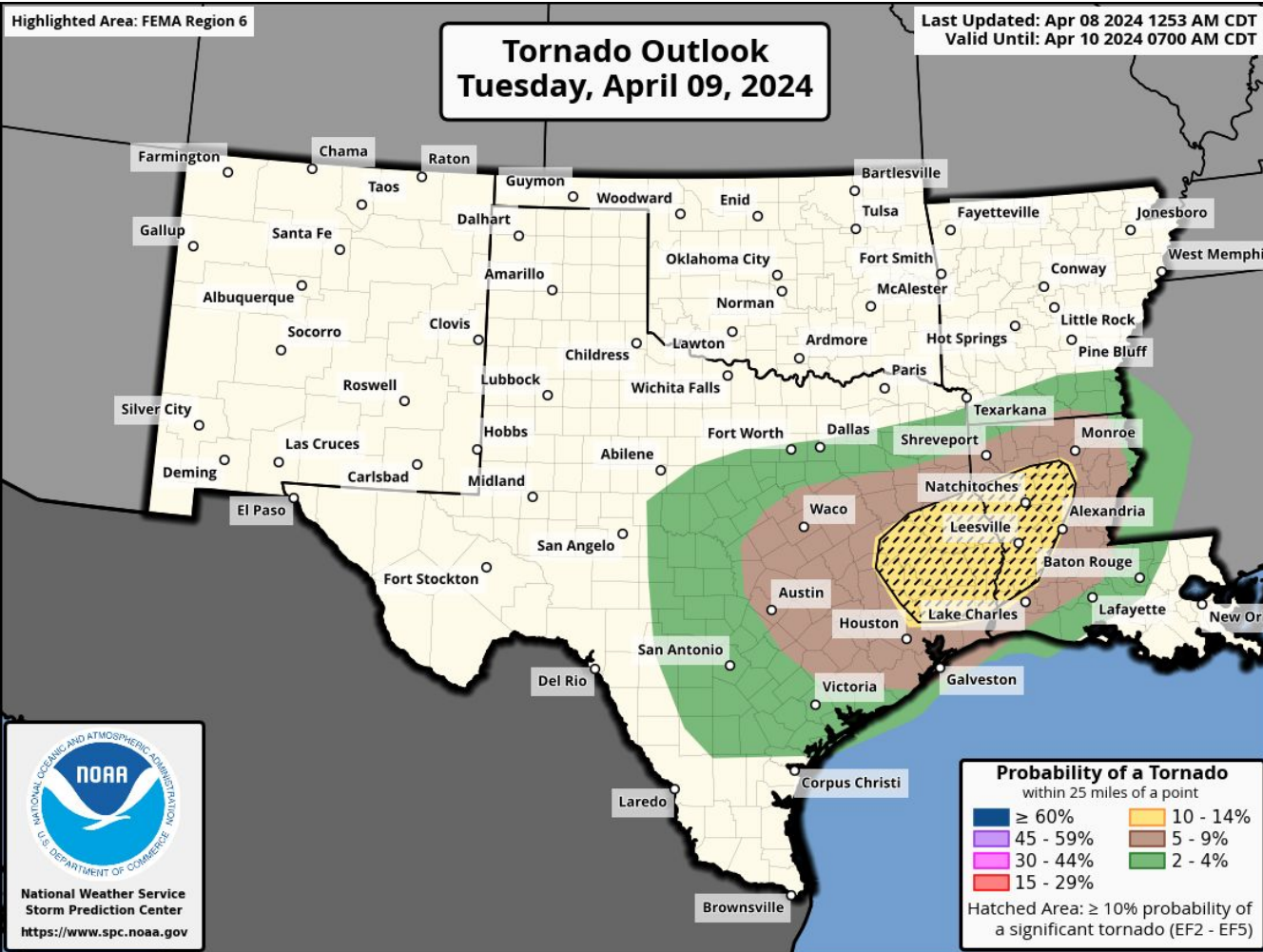
Slight to Enhanced risk of severe storms for much of TX, S AR, LA.

Slight to Moderate risk of heavy rain/flash flooding for N/Ctrl/E TX, SE OK, AR, LA.

Critical fire weather conditions for WTX.

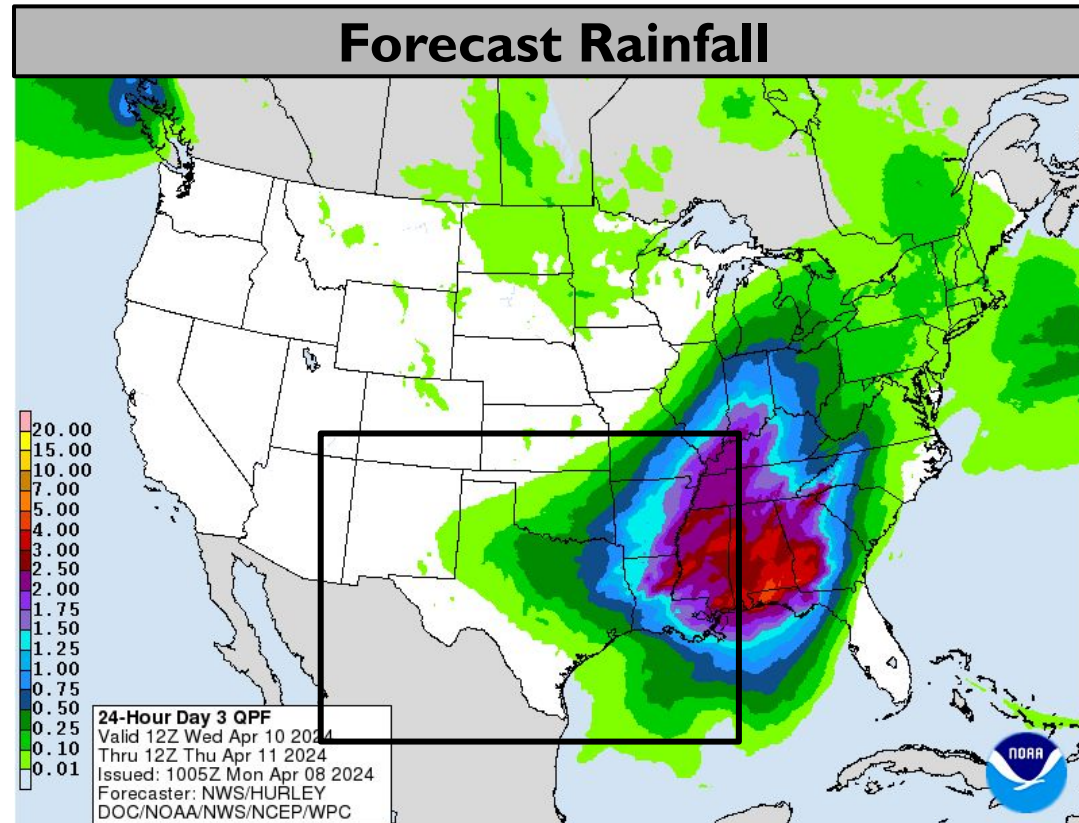
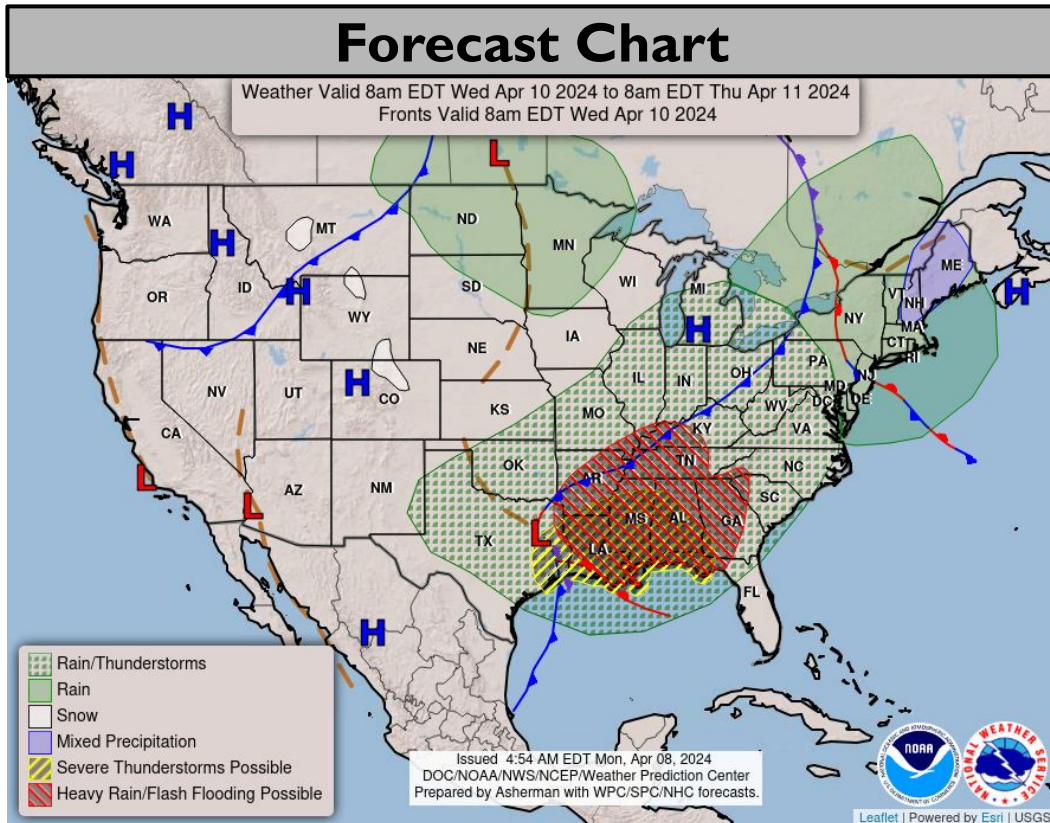


# Tomorrow's Tornado & Severe Wind / Hail Probabilities



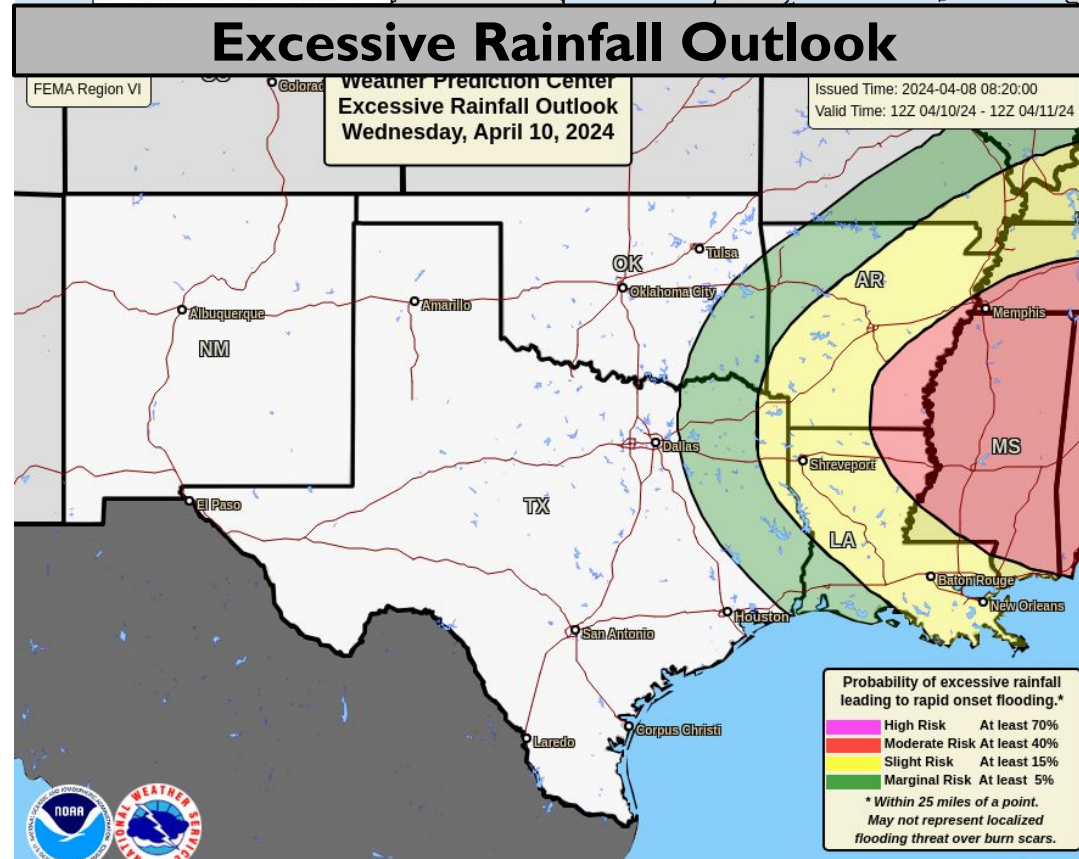
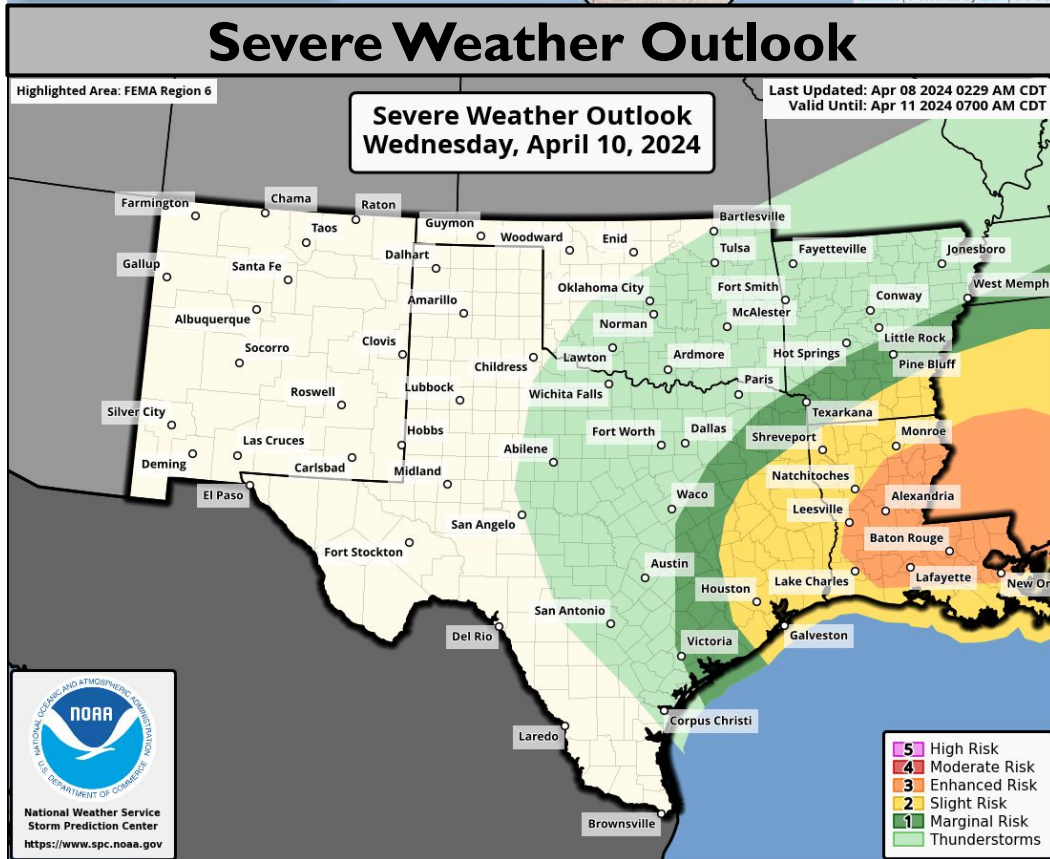


# Wednesday's Weather



Slight to Enhanced risk of severe storms for E/SE TX, S AR, LA.

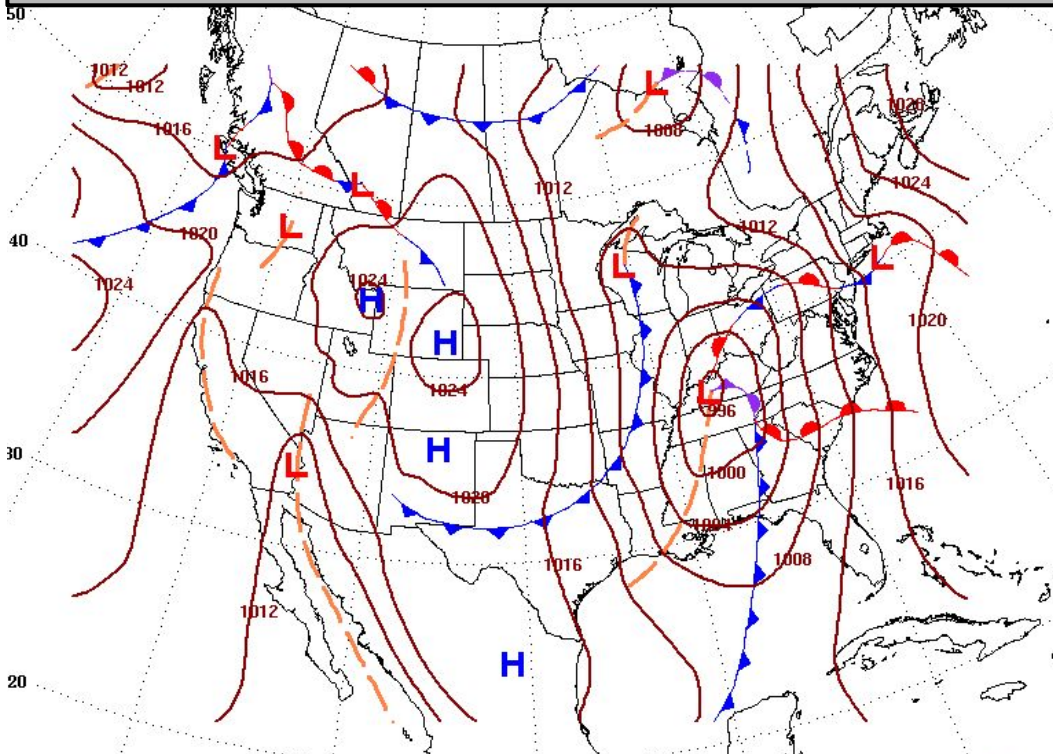
Slight to Moderate risk of heavy rain/flash flooding for NE TX, SE OK, AR, LA.



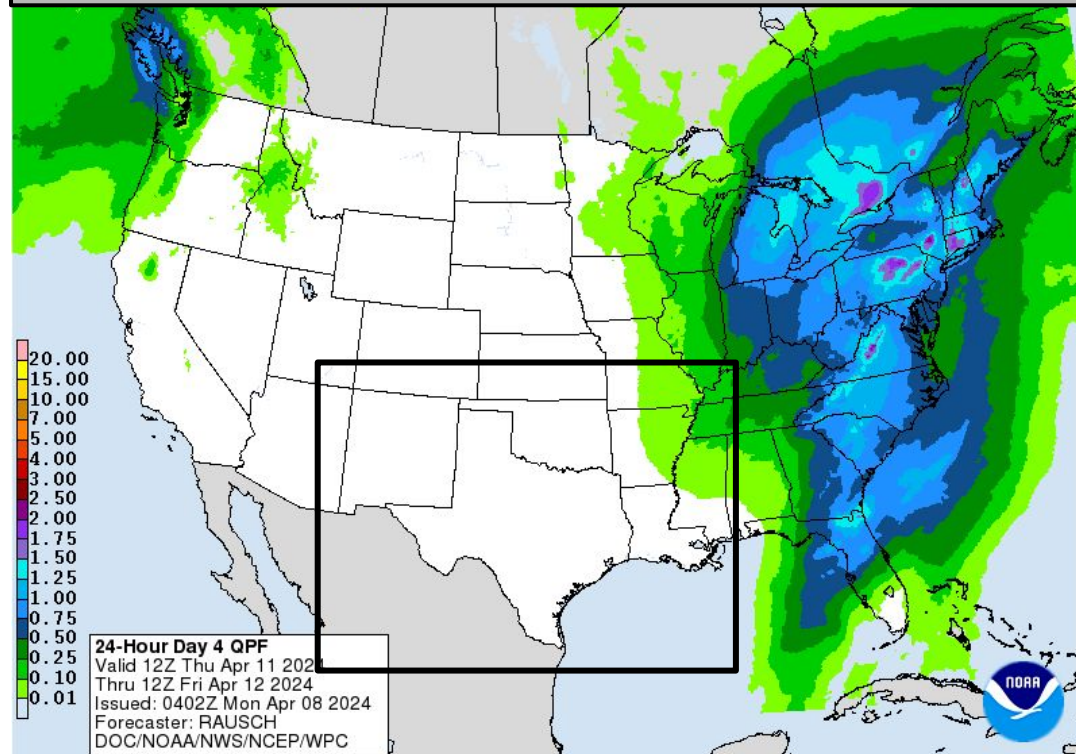


# Thursday's Weather

### Forecast Chart

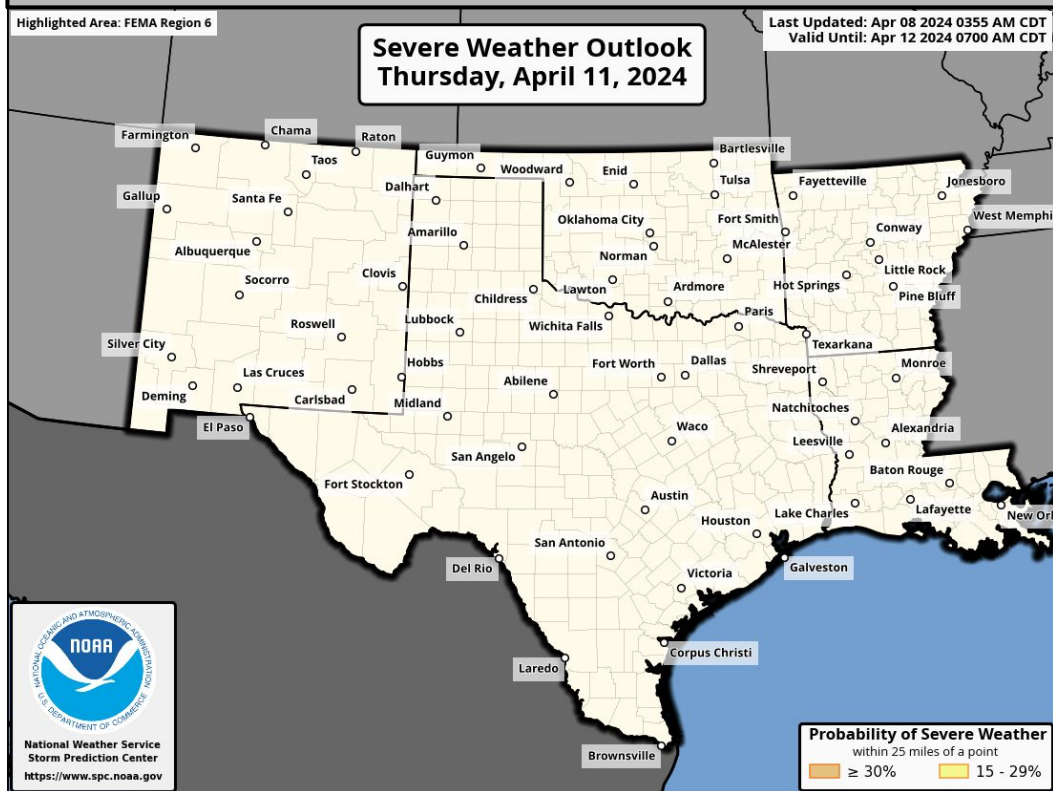


### Forecast Rainfall

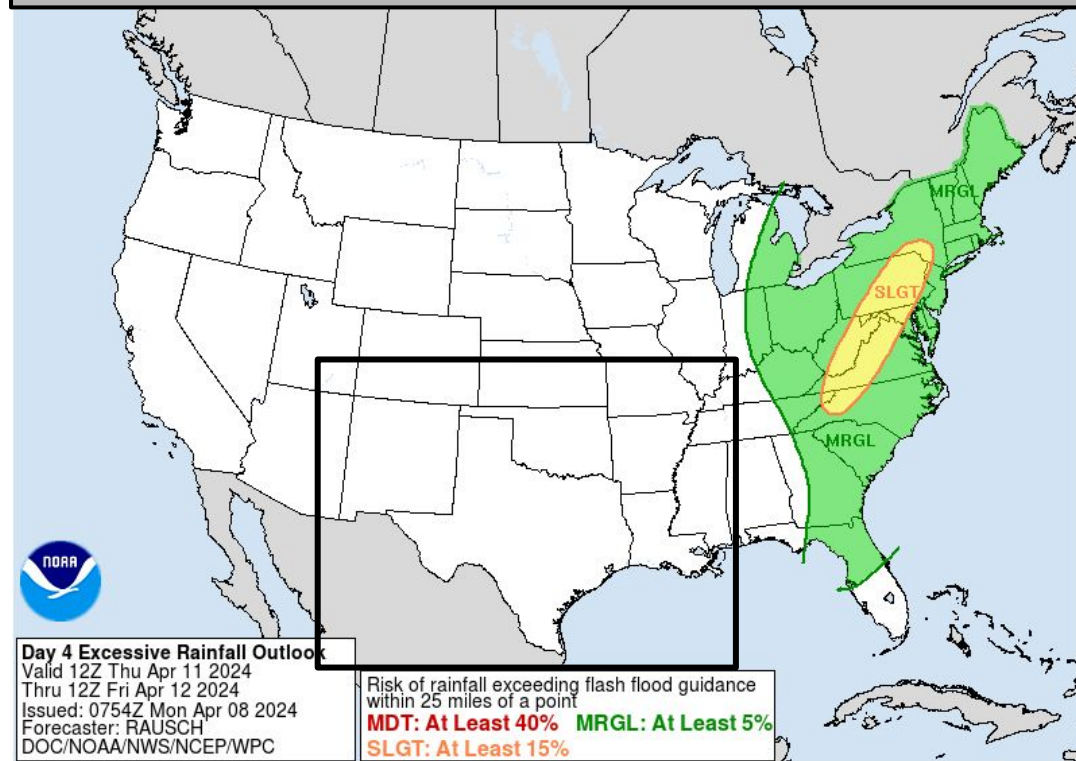


**No significant weather expected.**

### Severe Weather Outlook



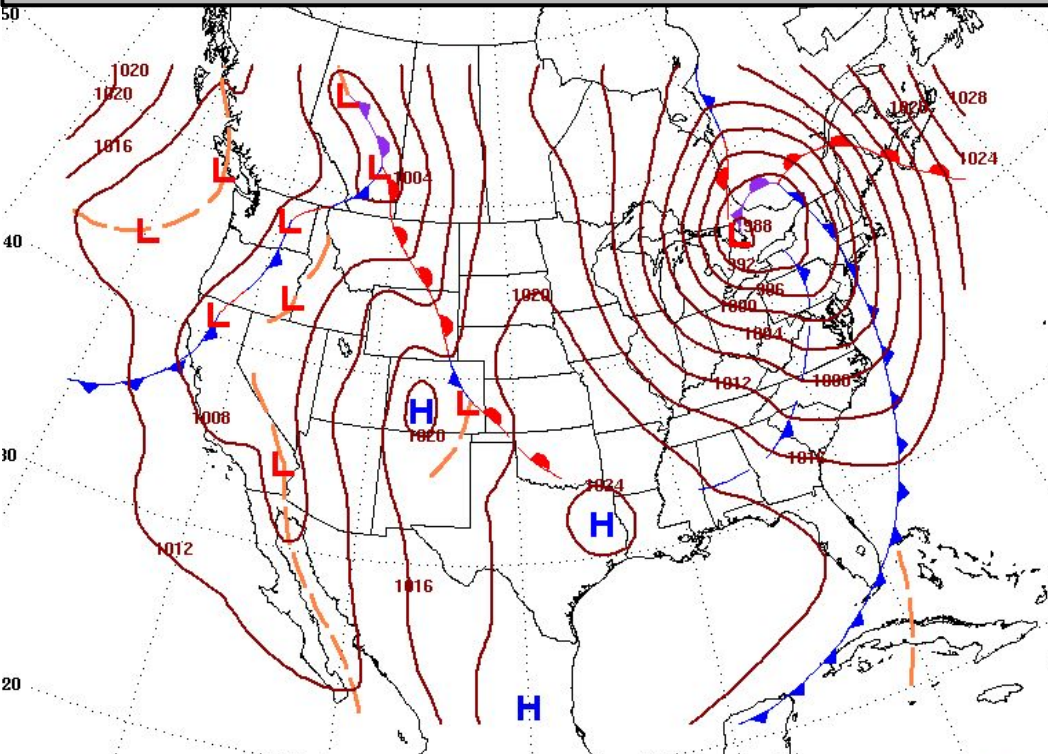
### Excessive Rainfall Outlook



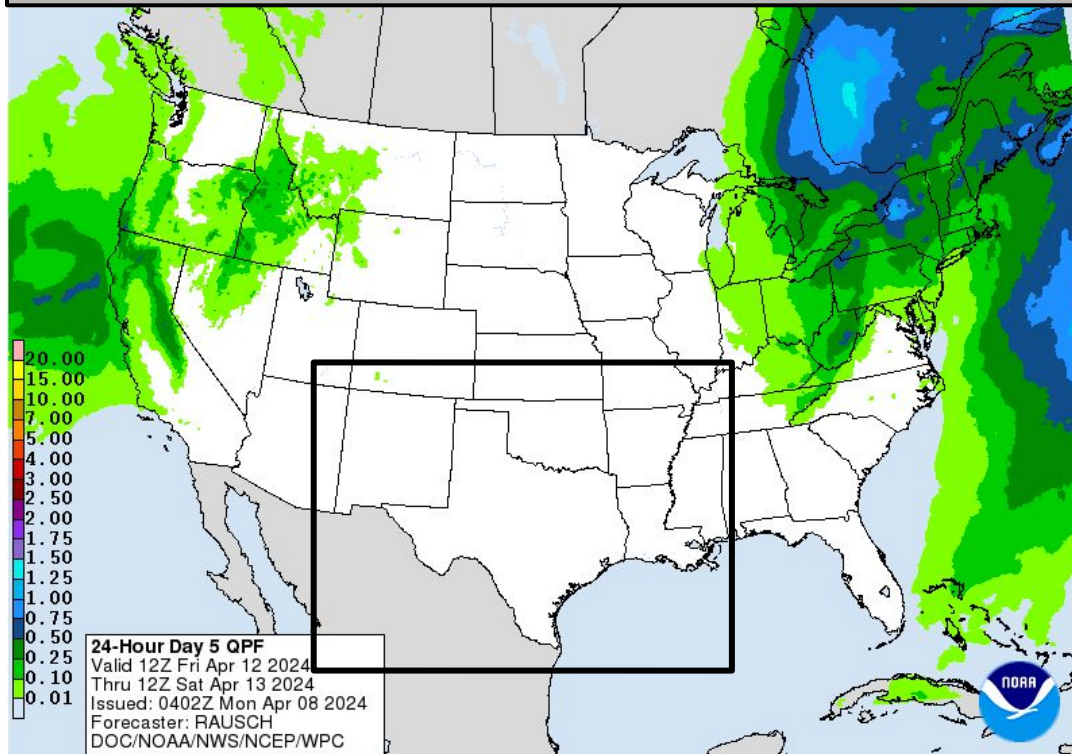


# Friday's Weather

### Forecast Chart

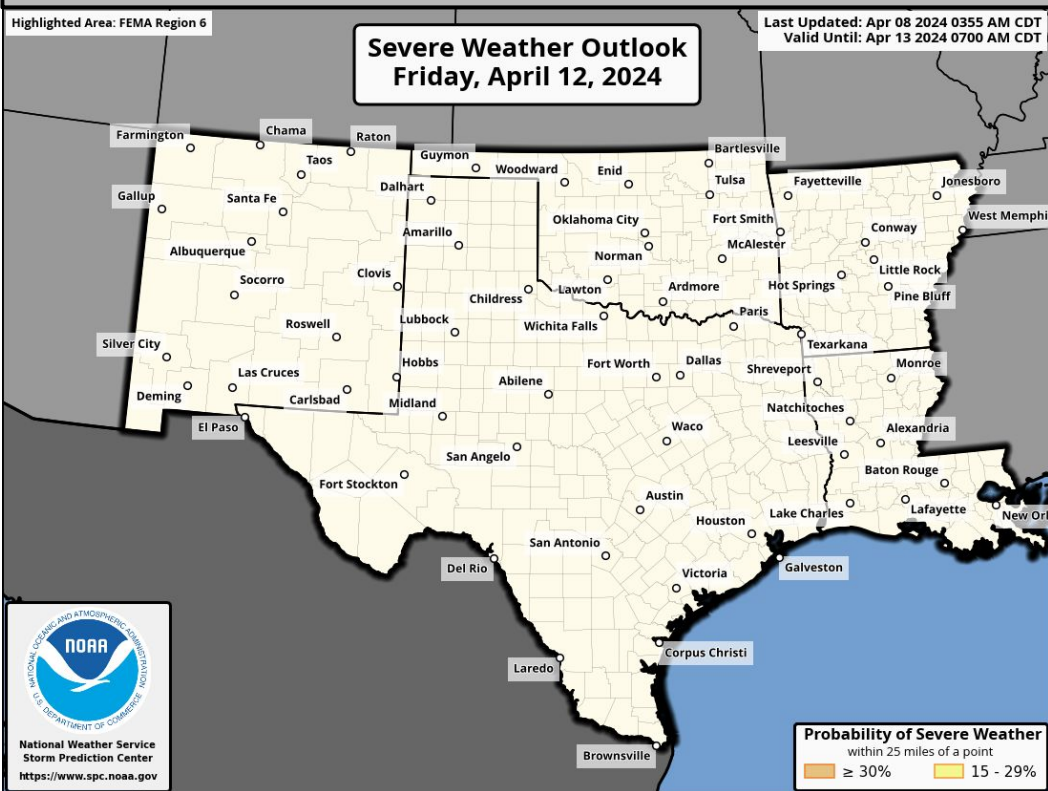


### Forecast Rainfall

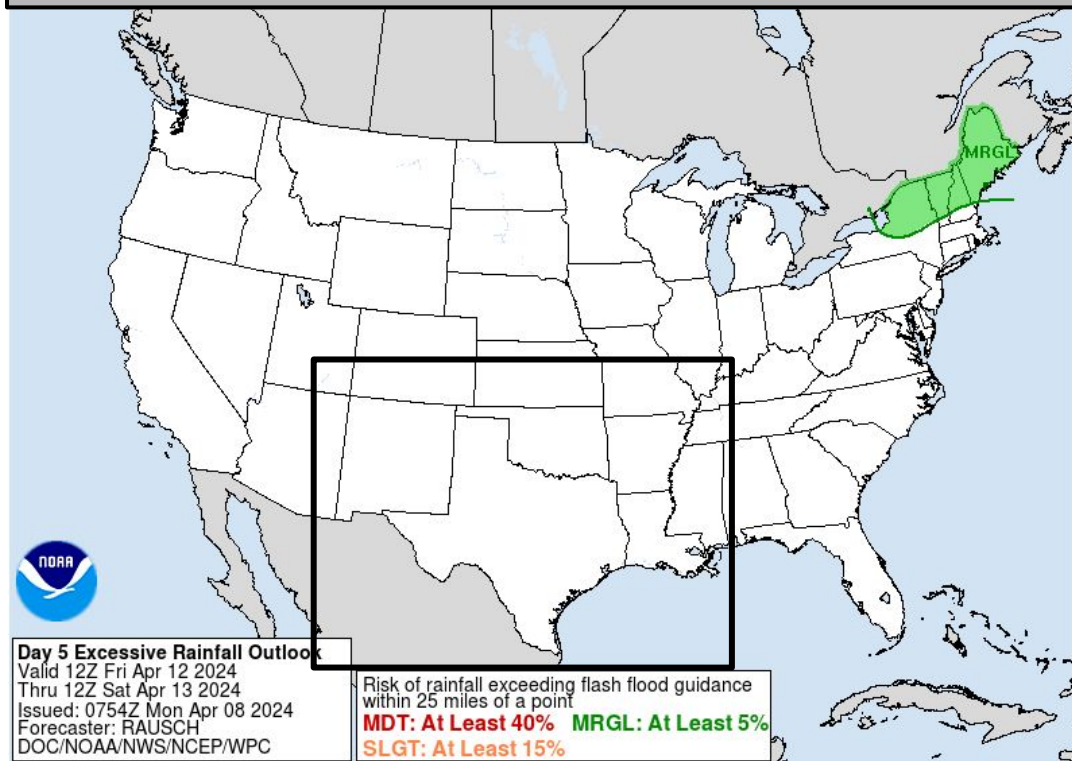


**No significant weather expected.**

### Severe Weather Outlook



### Excessive Rainfall Outlook

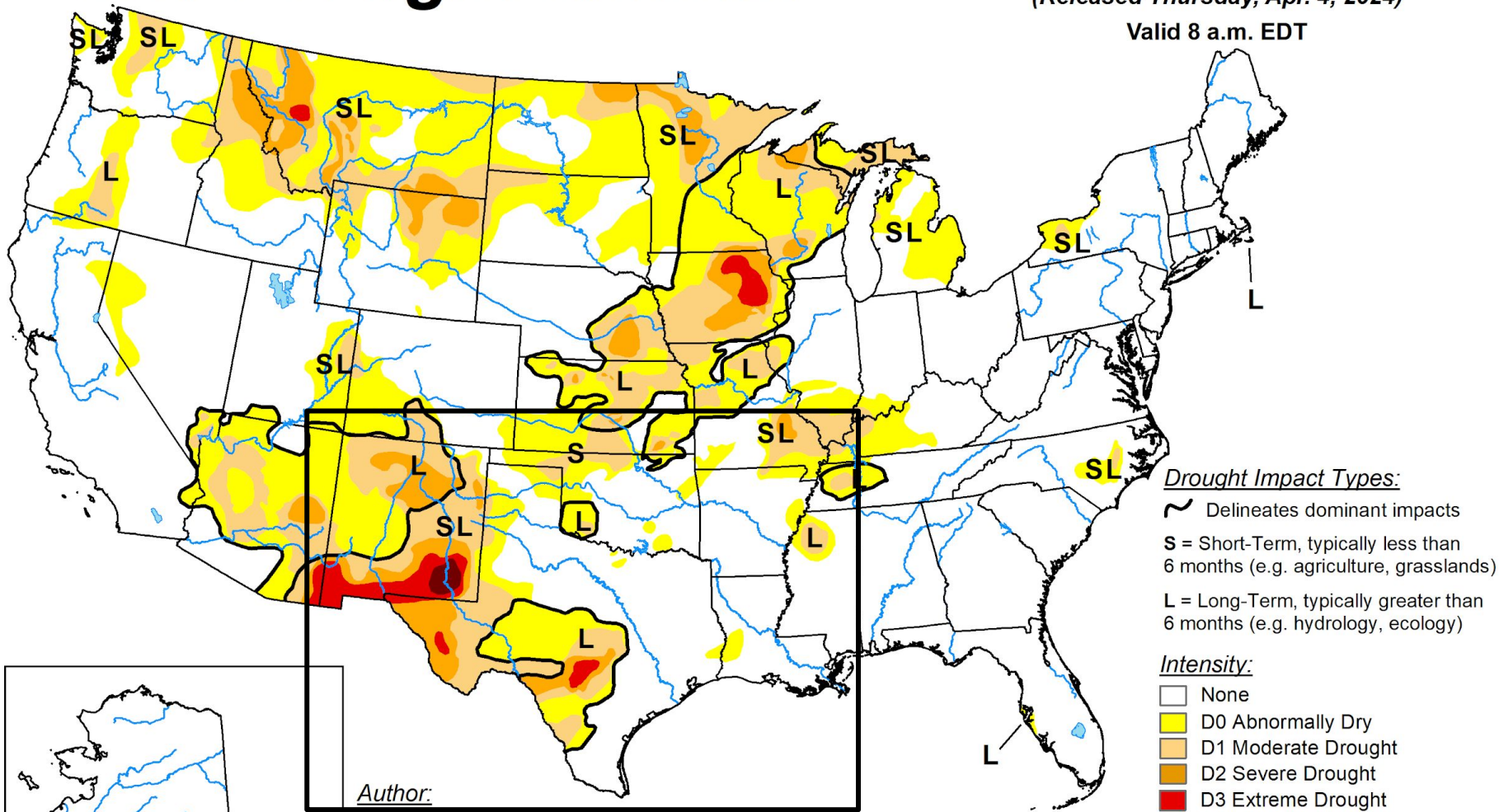




# Drought Monitor

## U.S. Drought Monitor

April 2, 2024  
(Released Thursday, Apr. 4, 2024)  
Valid 8 a.m. EDT

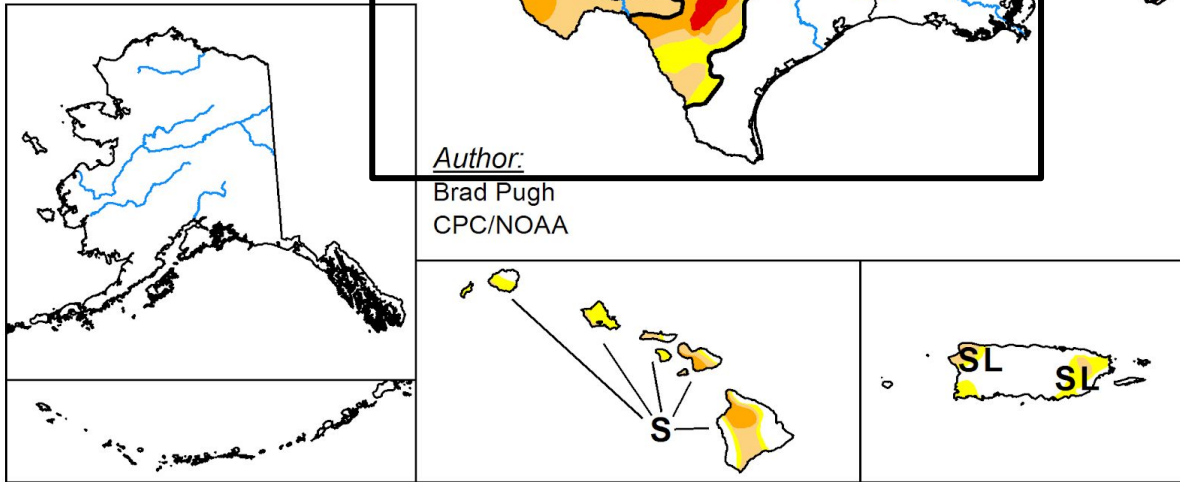


Author:  
Brad Pugh  
CPC/NOAA

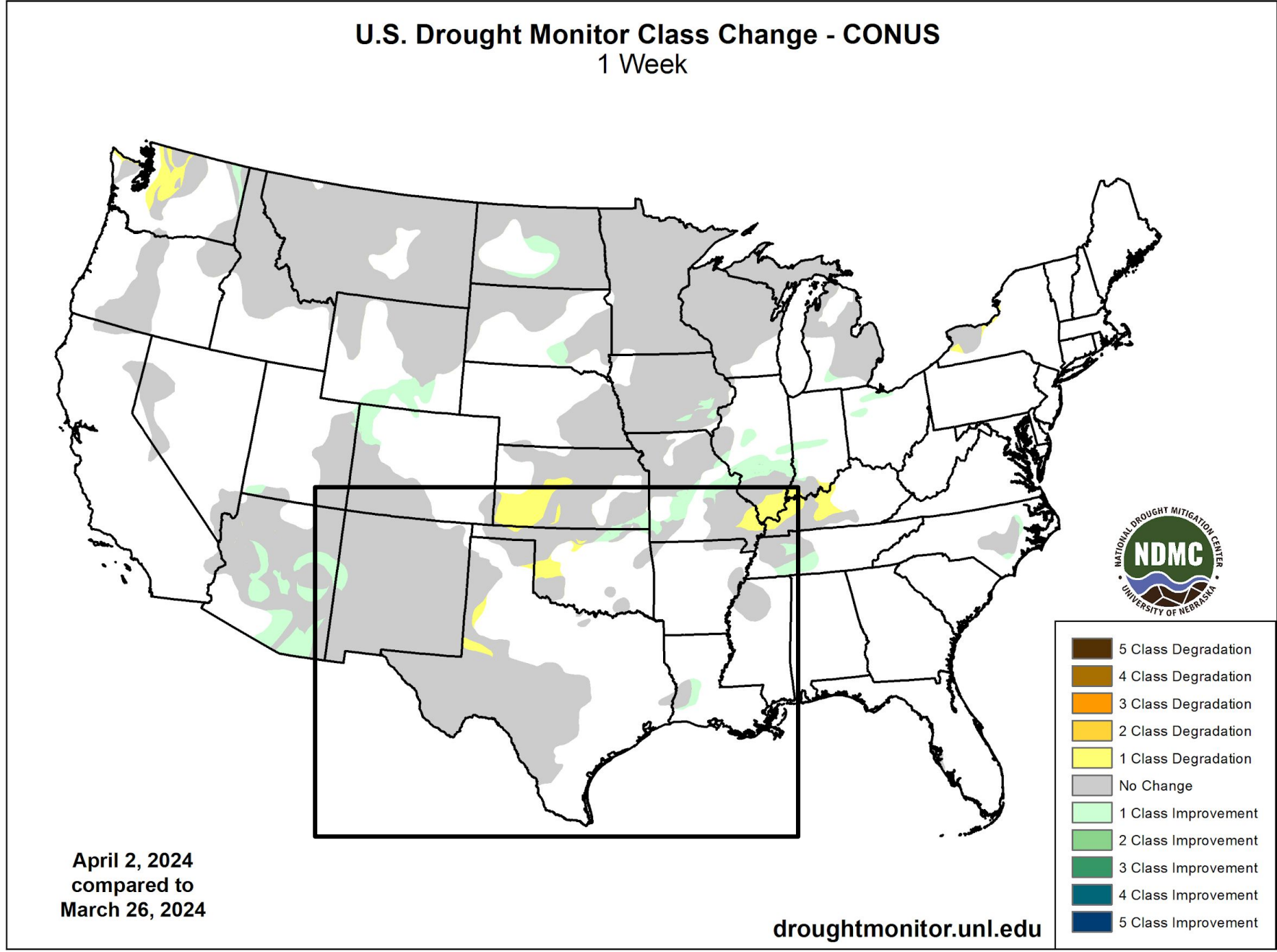
**Drought Impact Types:**  
~ Delineates dominant impacts  
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)  
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

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

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>



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



April 2, 2024  
compared to  
March 26, 2024

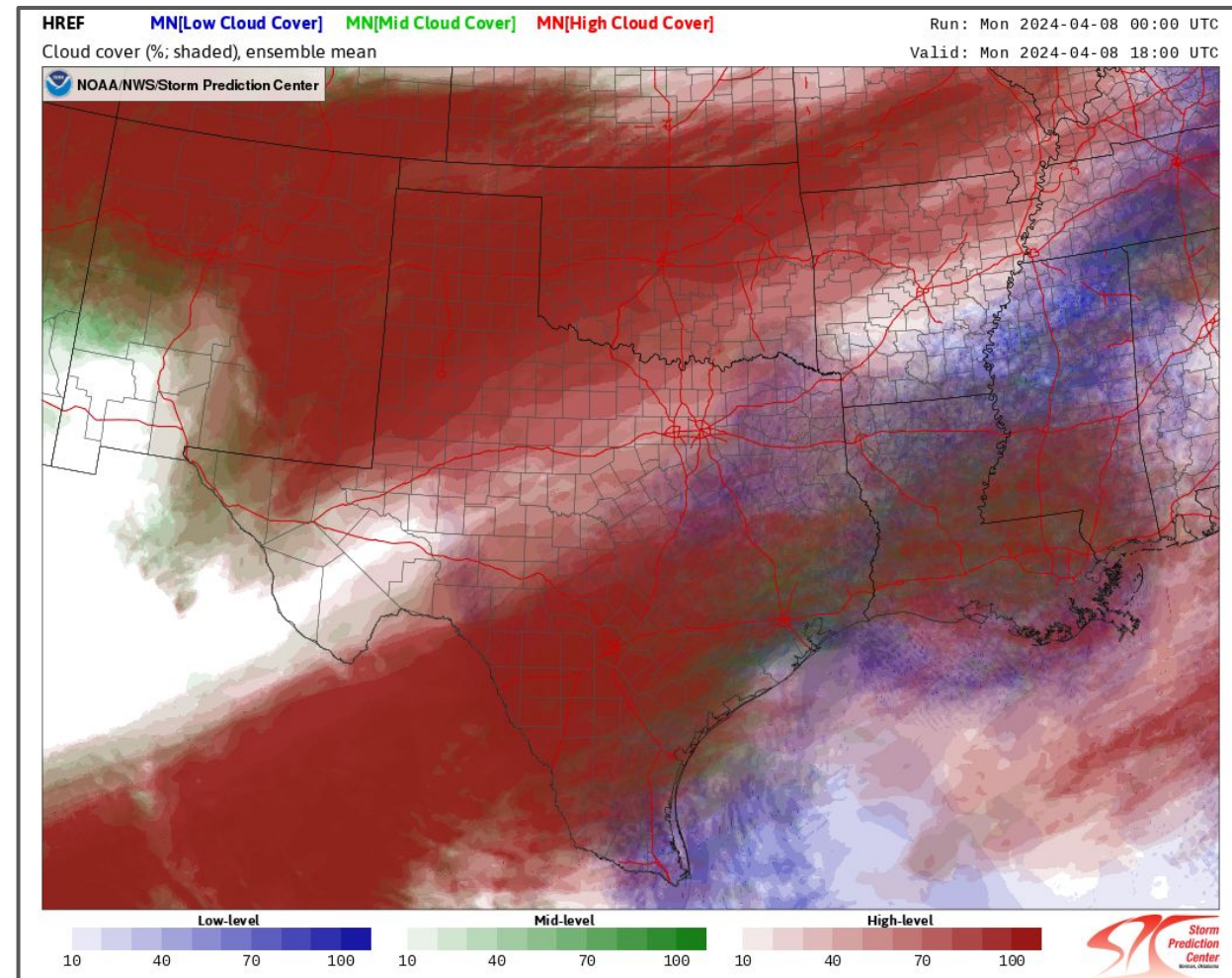
droughtmonitor.unl.edu



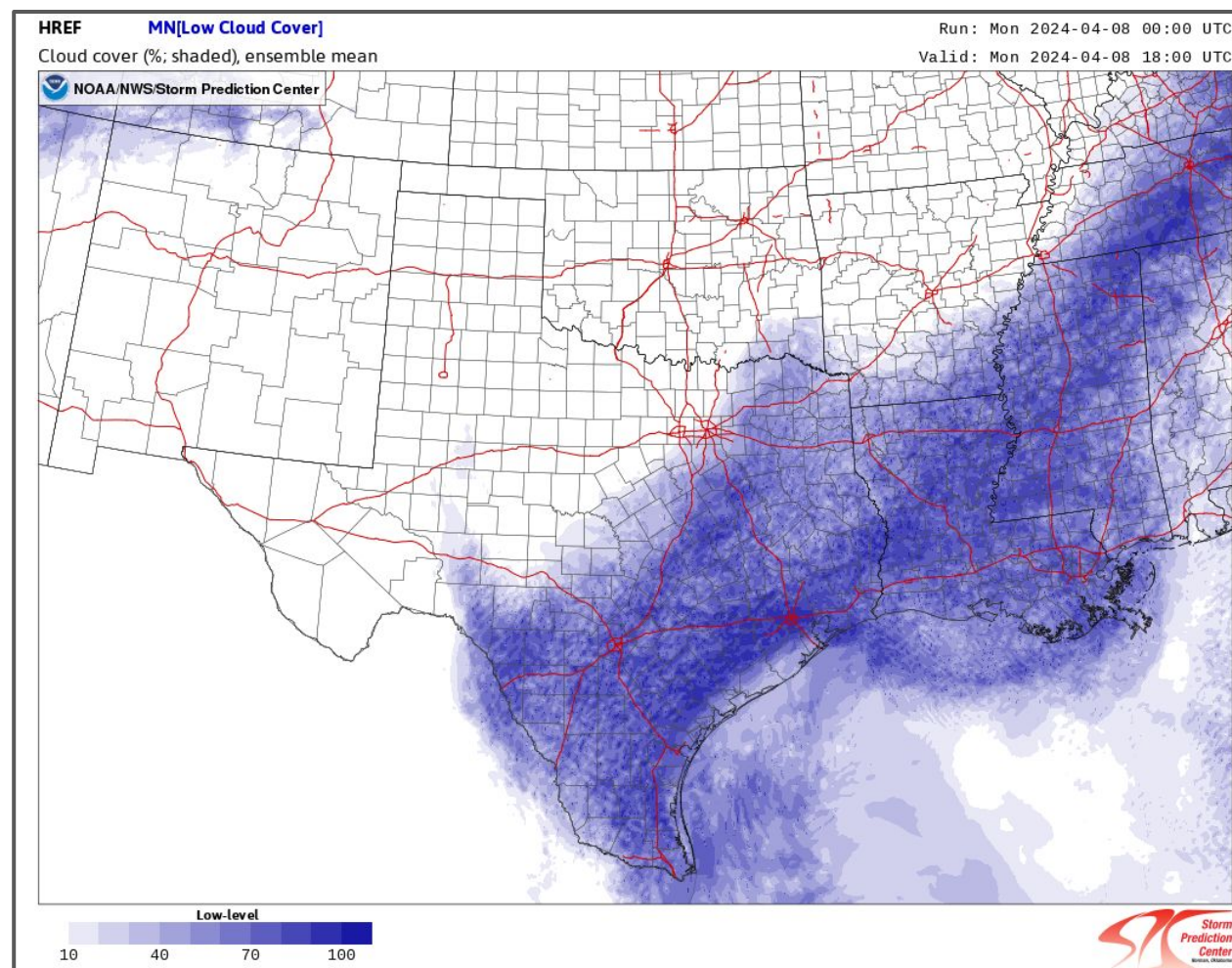
5 Class Degradation  
4 Class Degradation  
3 Class Degradation  
2 Class Degradation  
1 Class Degradation  
No Change  
1 Class Improvement  
2 Class Improvement  
3 Class Improvement  
4 Class Improvement  
5 Class Improvement



# April 8, 2024 Cloud Level Forecast

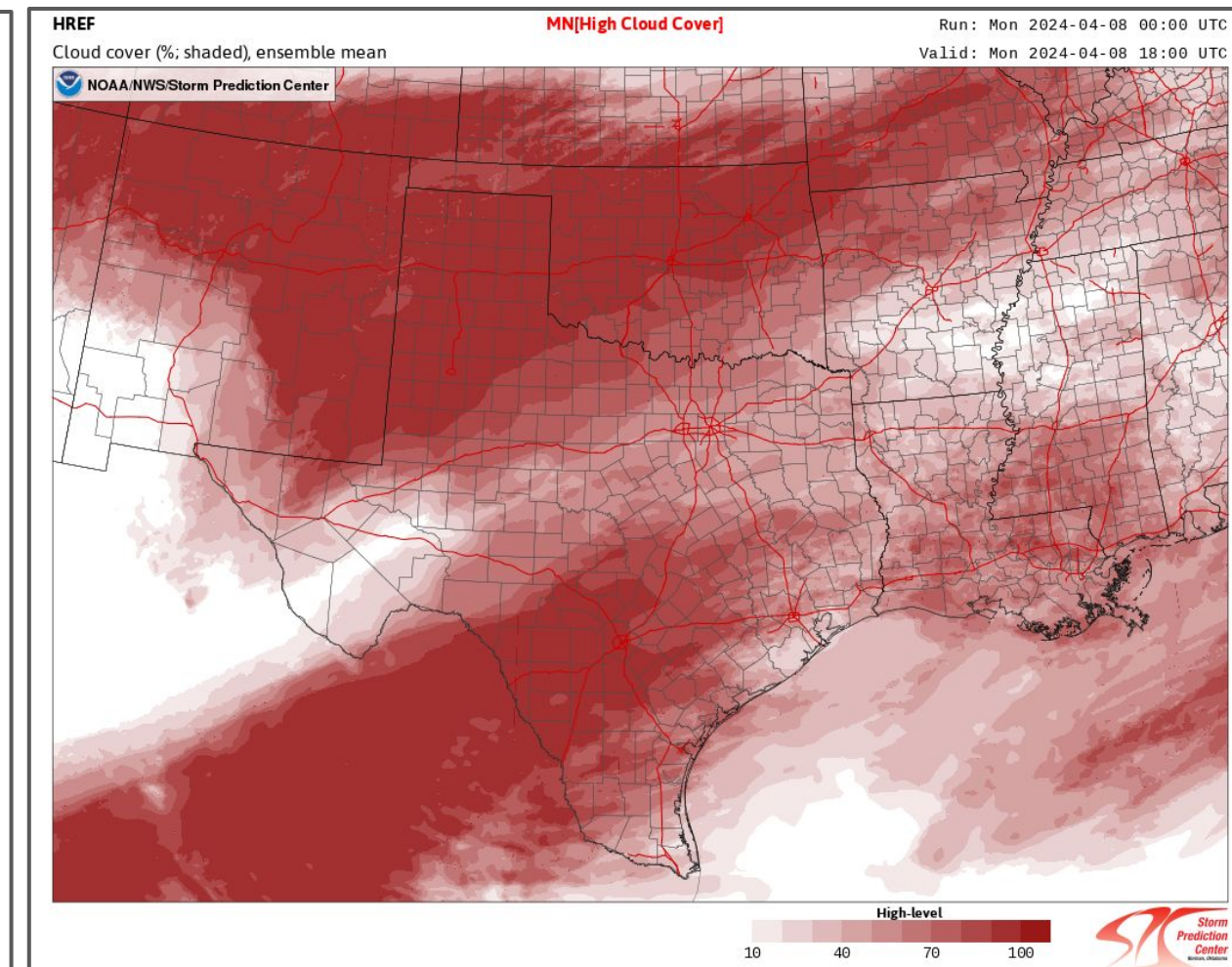


## Total Cloud Cover



## Low Cloud Cover

*Will Likely Prevent Eclipse Viewing*



## High Cloud Cover

*May Allow Some Eclipse Viewing*

Increasing clouds at different heights above the ground are expected today.

Low clouds will likely obscure viewing along the eclipse path.

For areas that do not have low clouds, some viewing of the eclipse may be possible through high clouds.

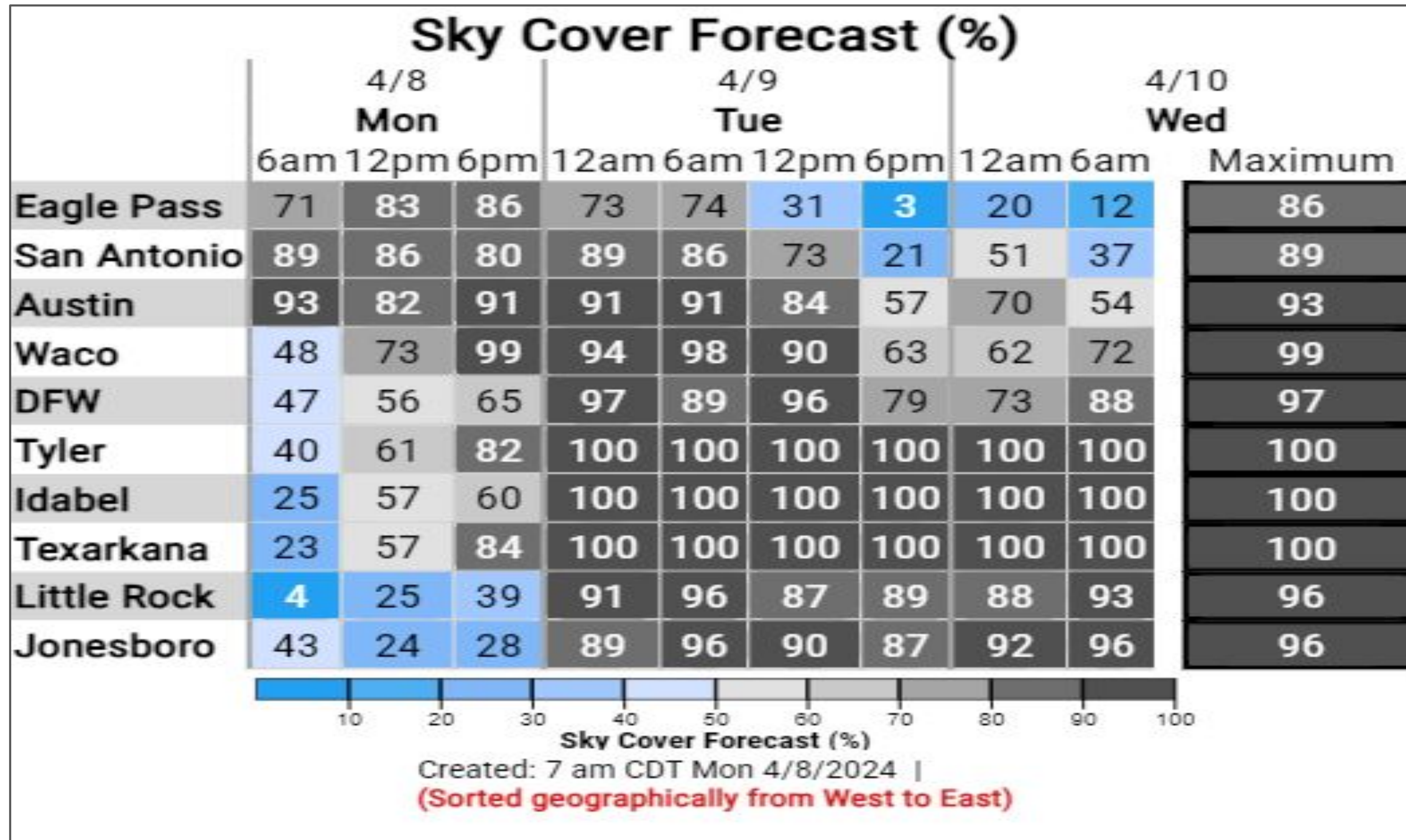


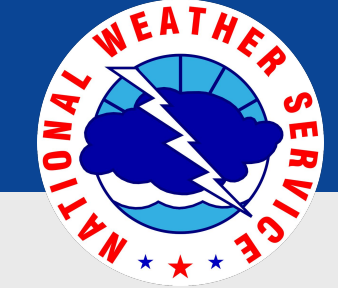


# Sky Cover Forecast

April 8, 2024  
1:25 PM

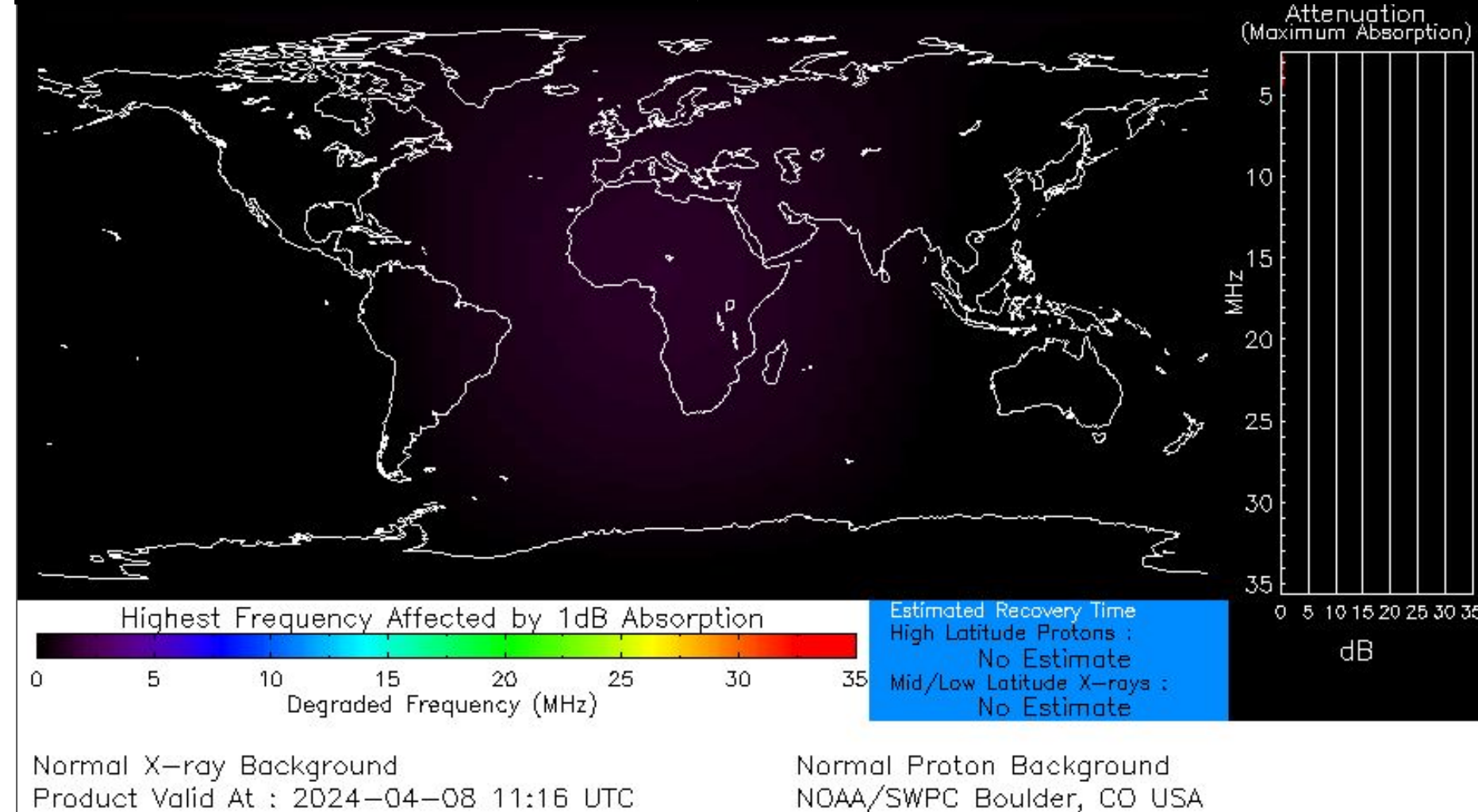
Approximate Timing for Clouds Before, During, and After the Eclipse





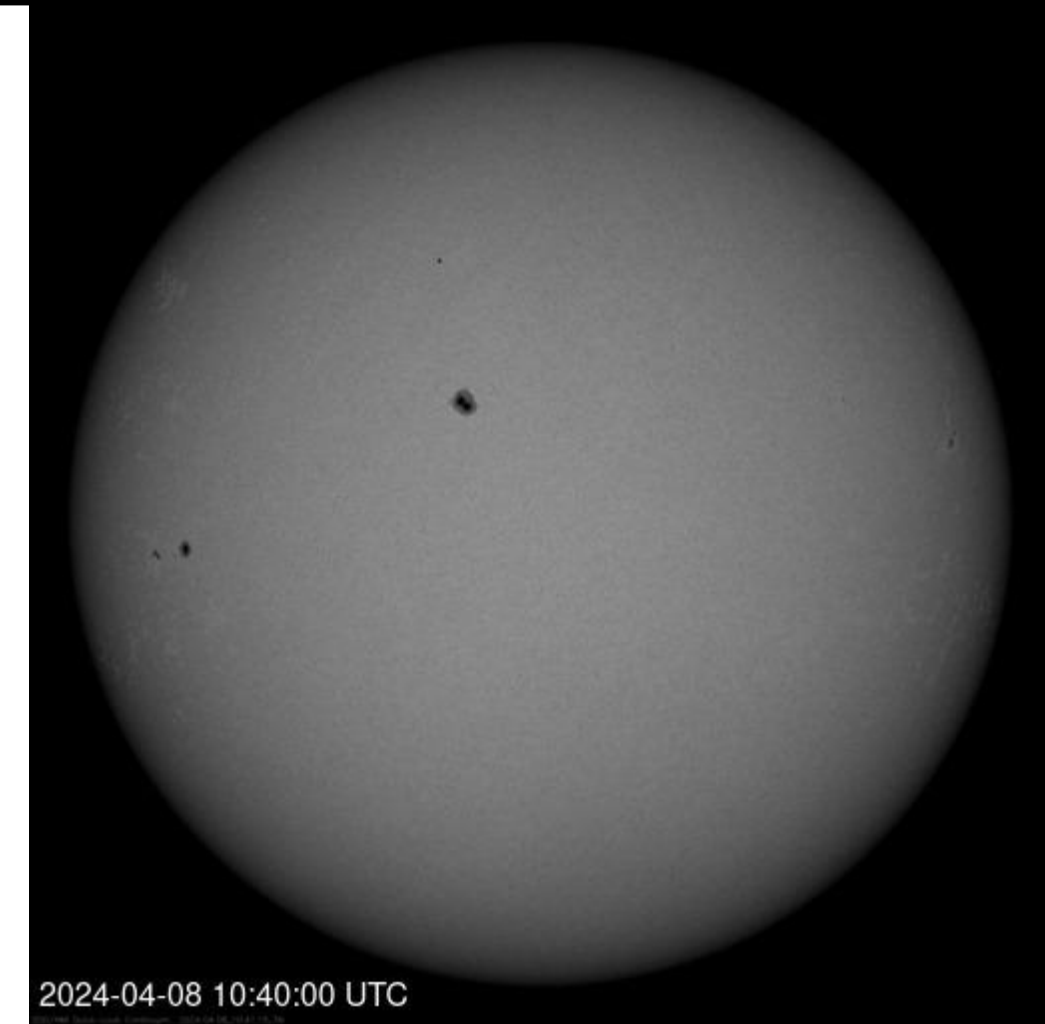
# Space Weather 3-Day Forecast

	Monday, Apr 8	Tuesday, Apr 9	Wednesday, Apr 10
<b>Geomagnetic Storms</b>	<b>Unsettled (Max Kp = 3)</b>	<b>Active (Max Kp = 4)</b>	<b>Unsettled (Max Kp = 3)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	5%	10%	10%
<b>Radio Blackout (R3-R5)</b>	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	<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

Regional Operations Center

Fort Worth, TX



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**Twitter:** NWSSouthern



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

