



FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Monday August 31, 2020

**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).



- **Slight risk of severe storms and flash flooding today across OK, AR, and NTX. Flash flood risk continues into Tue-Wed.**
- **Heat advisories in effect for portions of TX/LA today & tomorrow.**
- **Marginal risk of severe storms for north/central/western portions of TX on Tuesday and Wednesday, also for SE OK on Tuesday.**
- **Several tropical waves coming off the African coast will need to be monitored this week; not expecting any near-term (within 5 days) threats to Region 6, some development possible in the eastern Atlantic by this weekend.**
  - **A tropical wave over the Central Caribbean is likely to become a tropical depression in the next couple of days, however this system is expected to move westward into Central America/southern Mexico; no impacts to Region 6 expected.**

# FEMA Region 6 Threat Matrix

Aug 31, 2020 - Sep 4, 2020



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DAY / THREAT	Mon	Tue	Wed	Thu	Fri
Severe Storms	OK, NTX, AR	TX, SE OK	TX		
Heavy Rain / Flash Flooding	S/E OK, NTX, AR	OK, NTX, AR	SE OK, NTX, AR		
Fire Weather					
Tropical Winds / Surge					
Heat	TX, LA	TX, LA			
River Flooding	SW LA	SW LA	SW LA	SW LA	SW LA
	SETX, AR	AR	AR	AR	AR

	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.*

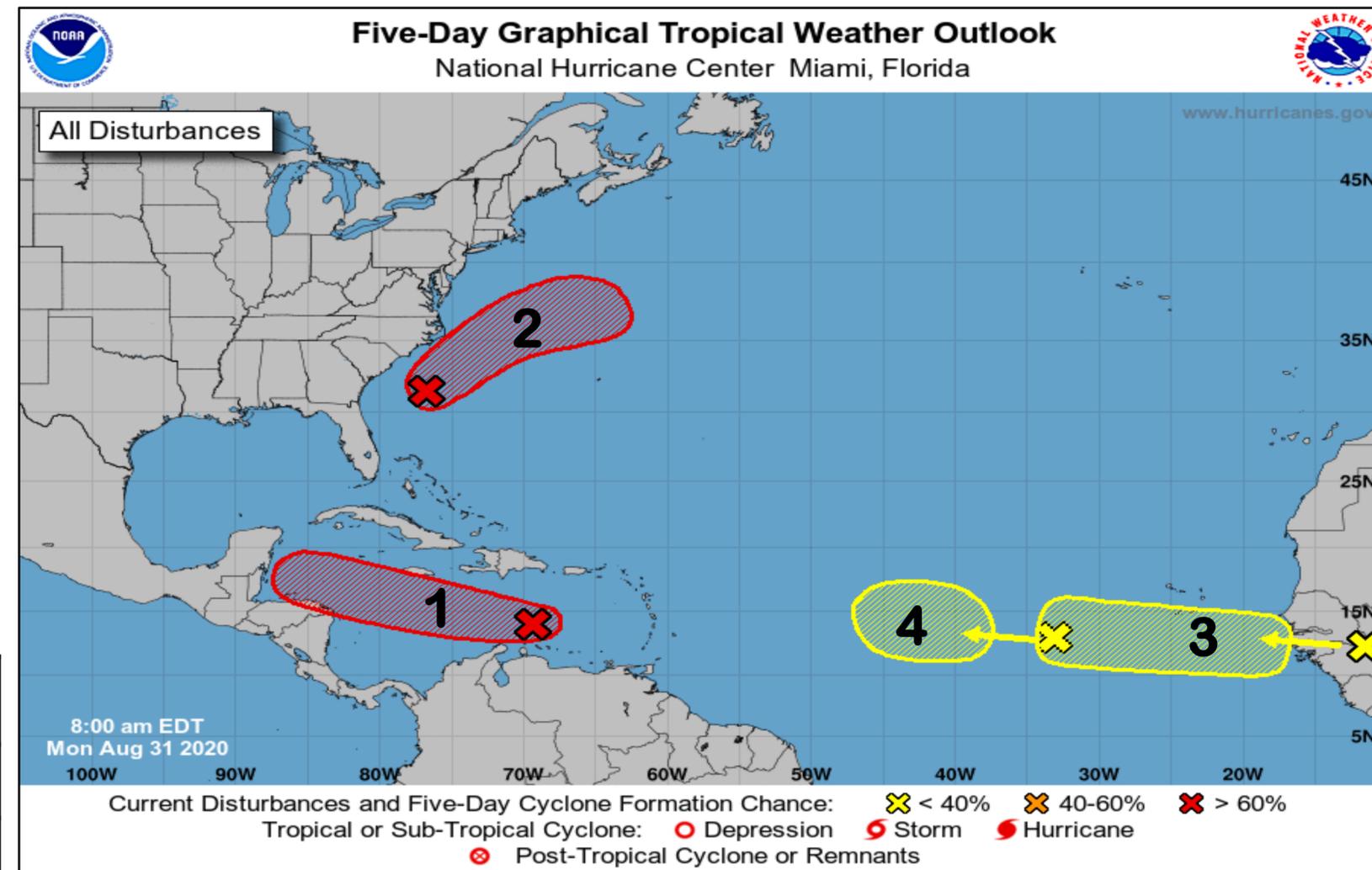


## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	High	None expected at this time. System likely to impact Central America and southern Mexico.
2	High	None.
3	Low	None in the next five days.
4	Low	None in the next five days.

## Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
-	

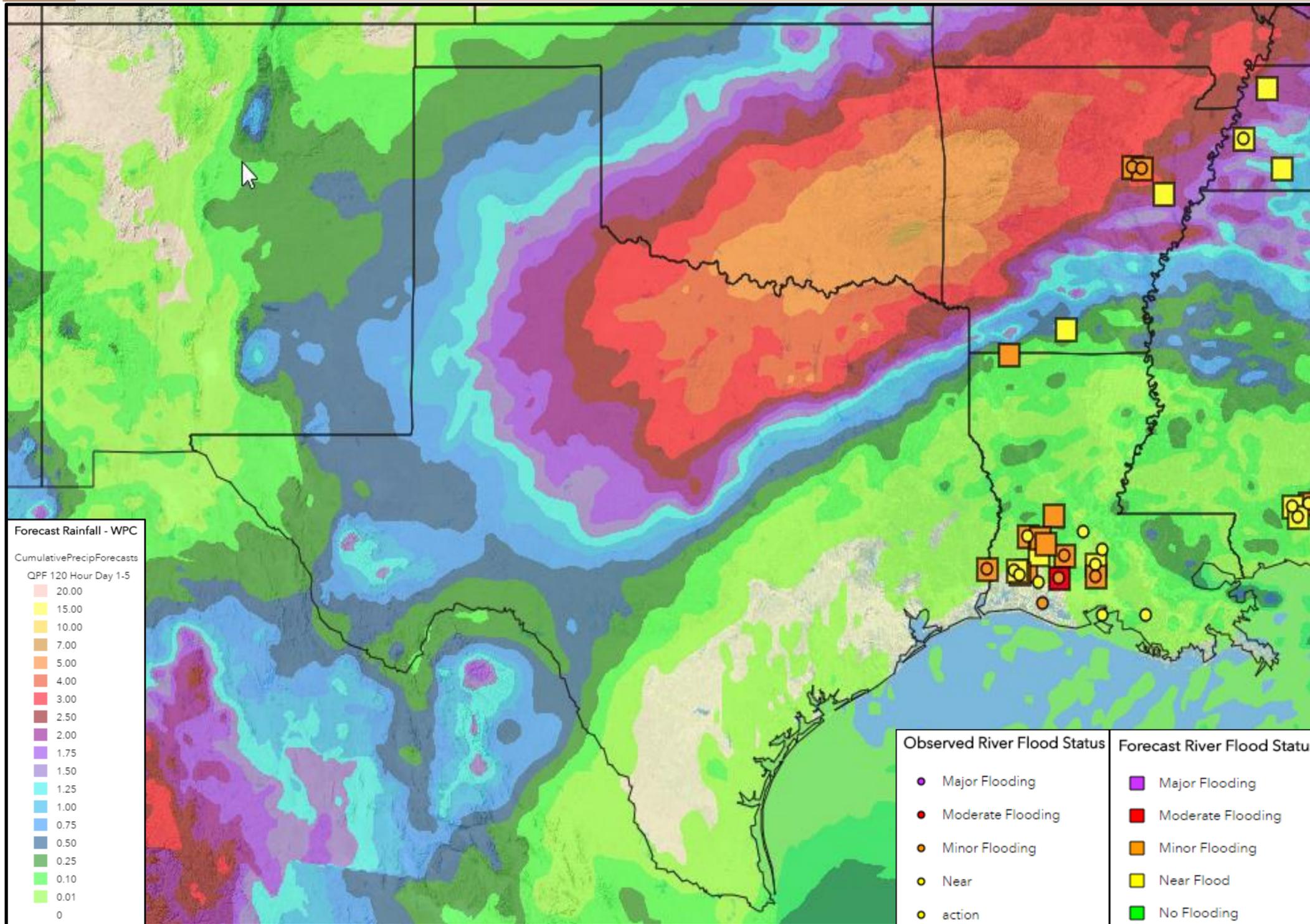


# 5-Day Precipitation Forecast & River Flood Status



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



## Louisiana:

- The Mermentau River at Mermentau is rising and expected to be near moderate flood stage on Wednesday; at the expected crest, flooding of the shipyard begins, portions of Castex Landing and LA 3166 become flooded and impassible.
- Several other locations in SW LA will remain in minor flood through the next several days.

The Ouachita and White Rivers in AR are in minor flood stage due to expected rainfall in the next several days.

The rain expected today through Wednesday over OK, AR and NTX will be mostly beneficial, a few river points may rise into minor flood, but no widespread river flooding expected.

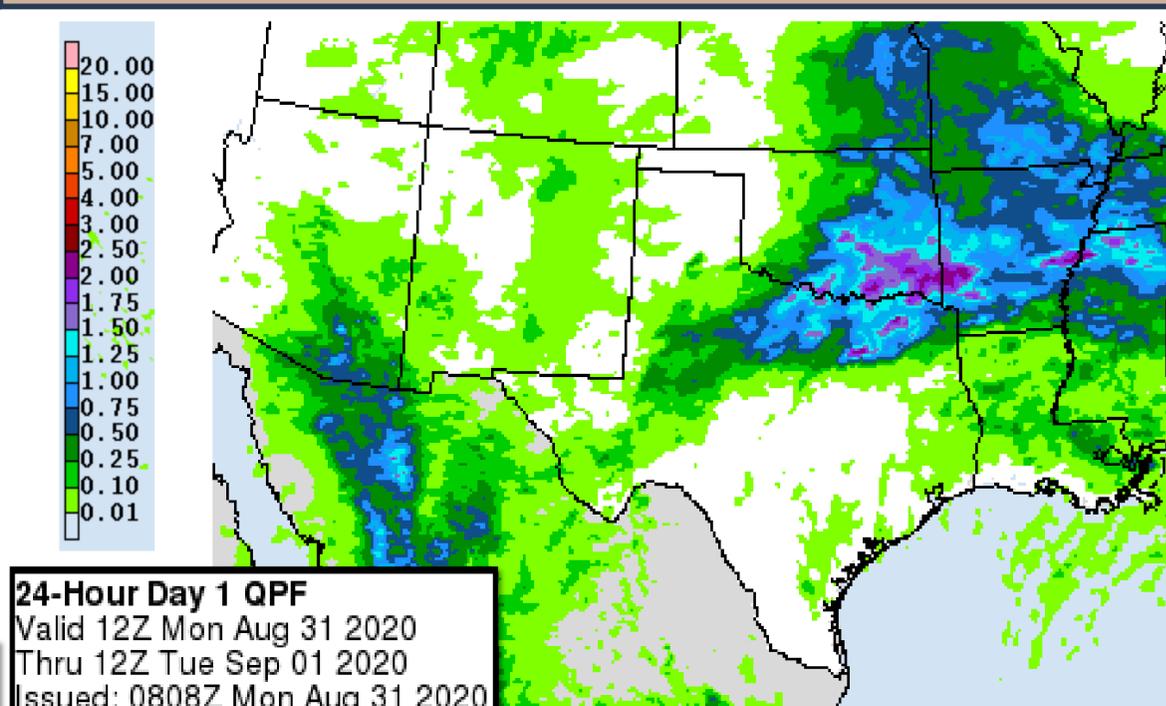
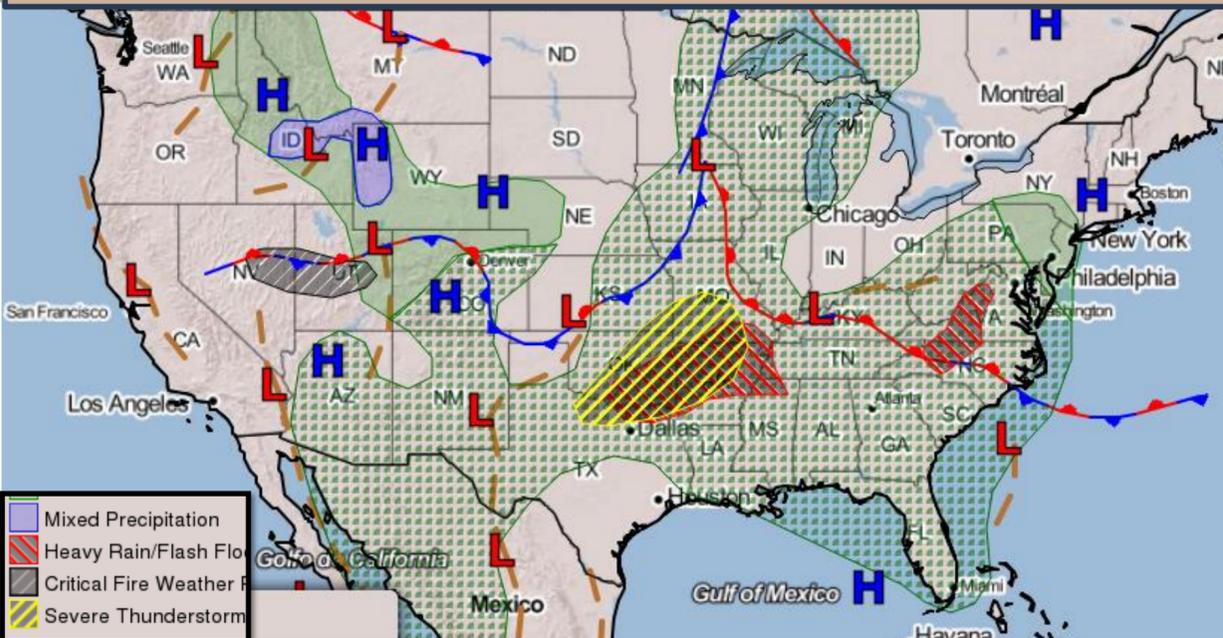
# Today's Weather



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## Forecast Chart

## Forecast Rainfall



**Slight risk of severe storms over OK, NTX and AR; damaging winds and hail are the main threats.**

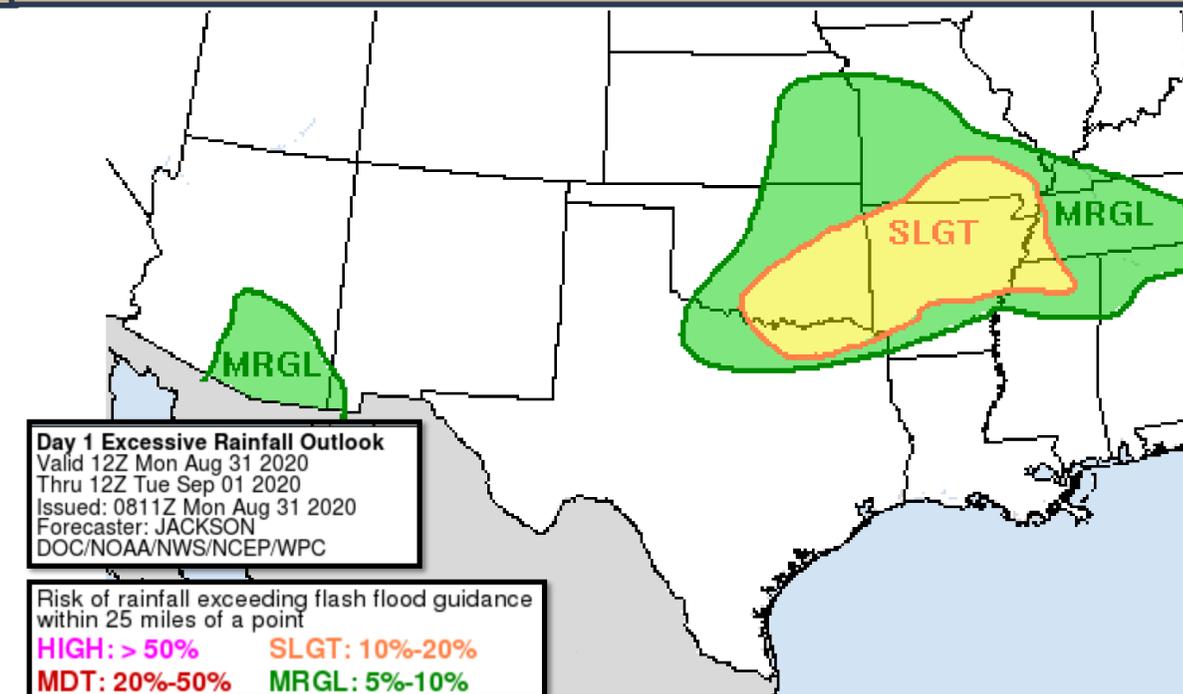
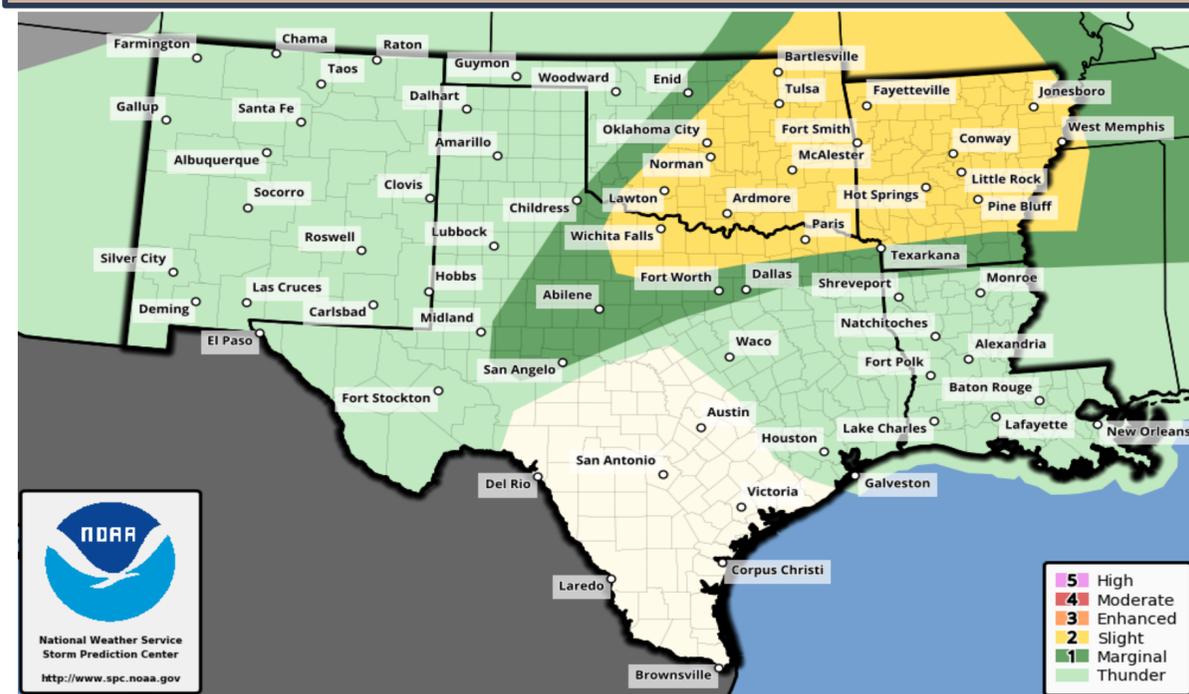
**Isolated heavy rain/flash flooding possible over S&E OK, NTX, and AR.**

Weather Valid 8am EDT Mon Aug 31 2020 to 8am EDT Tue Sep 01 2020  
Fronts Valid 8am EDT Mon Aug 31 2020  
Issued 4:08 AM EDT Mon, Aug 31, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Santorelli with WPC/SPC/NHC forecasts.

24-Hour Day 1 QPF  
Valid 12Z Mon Aug 31 2020  
Thru 12Z Tue Sep 01 2020  
Issued: 0808Z Mon Aug 31 2020

## Severe Weather Outlook

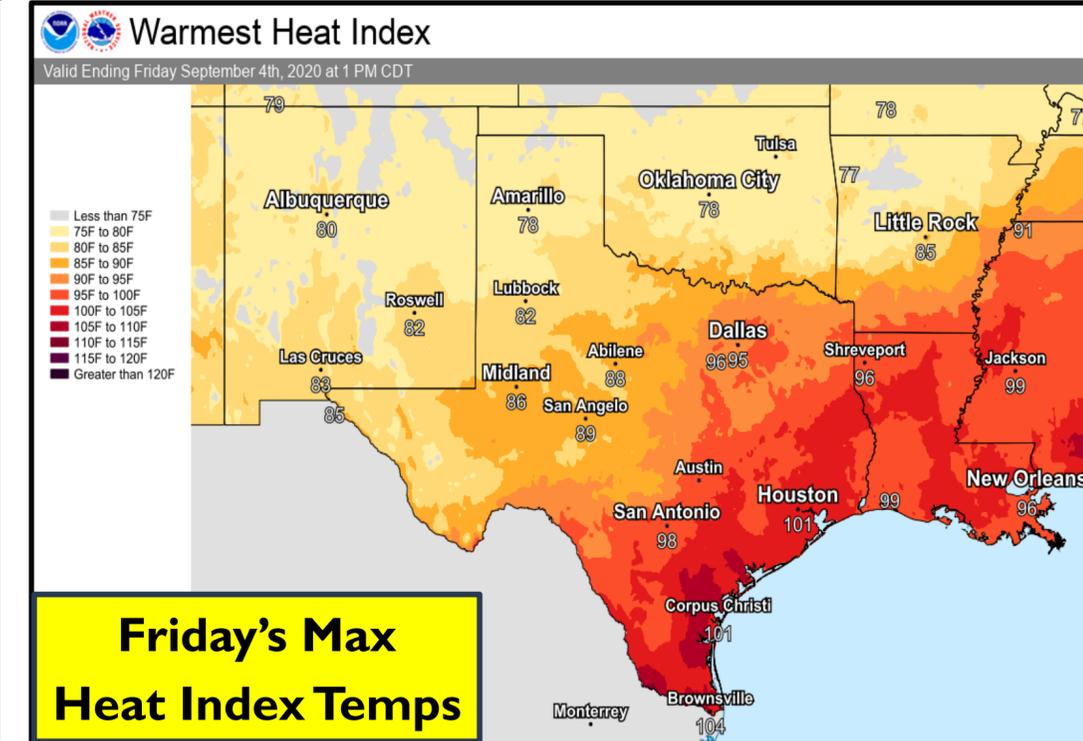
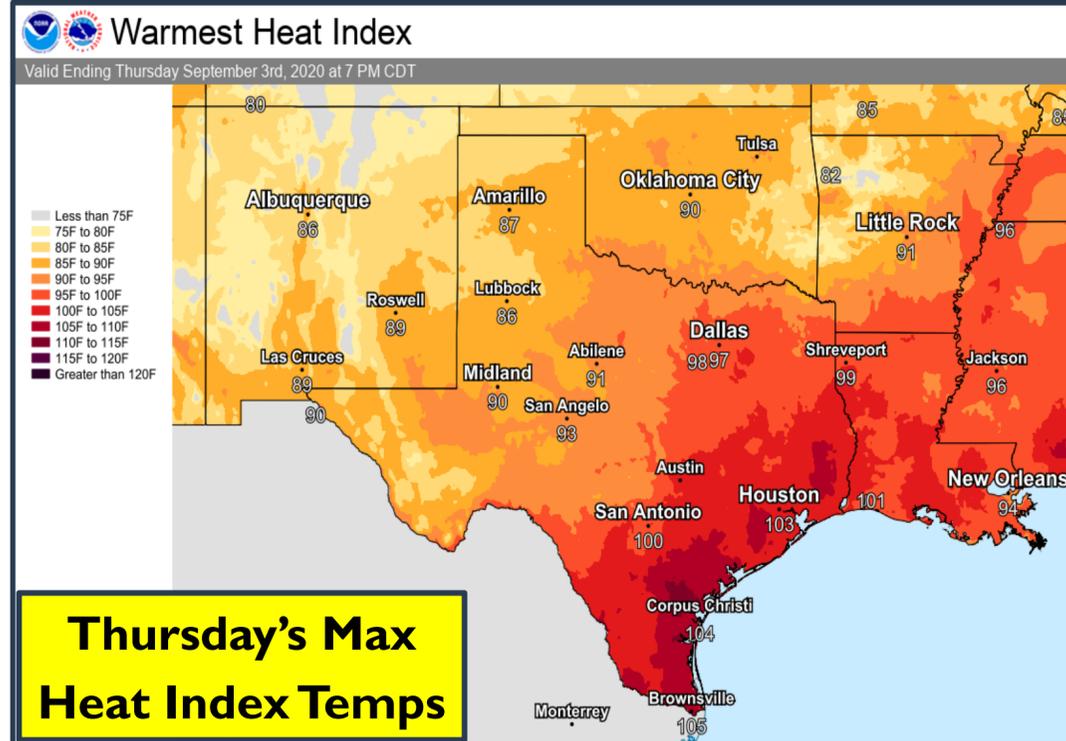
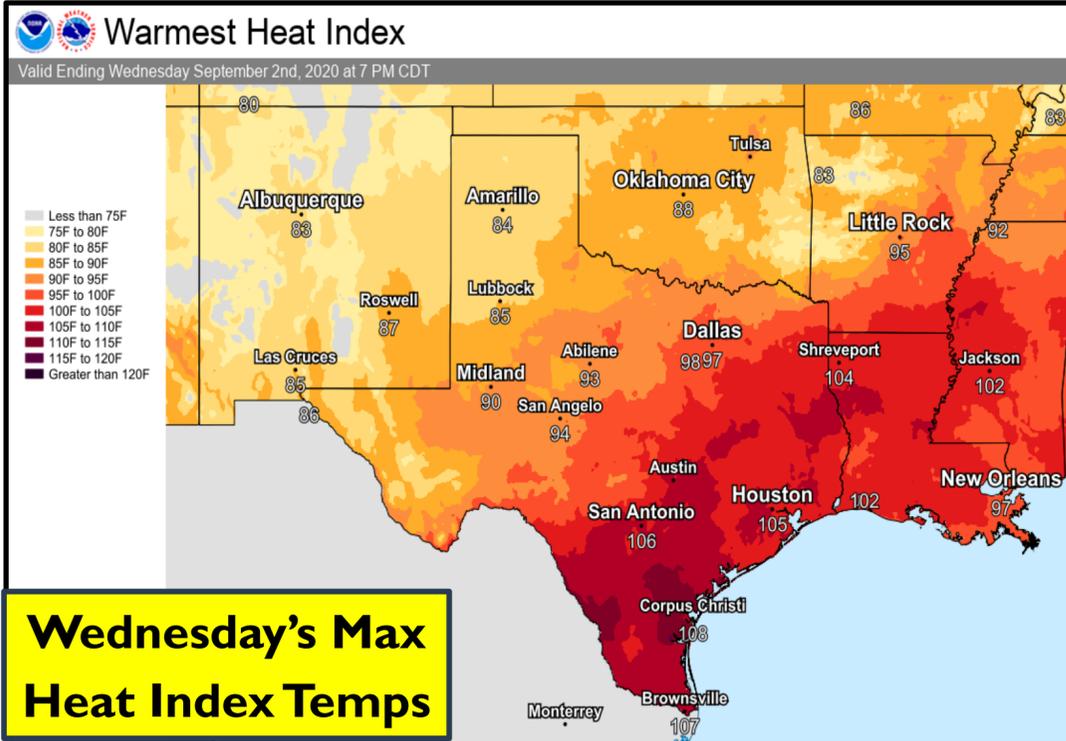
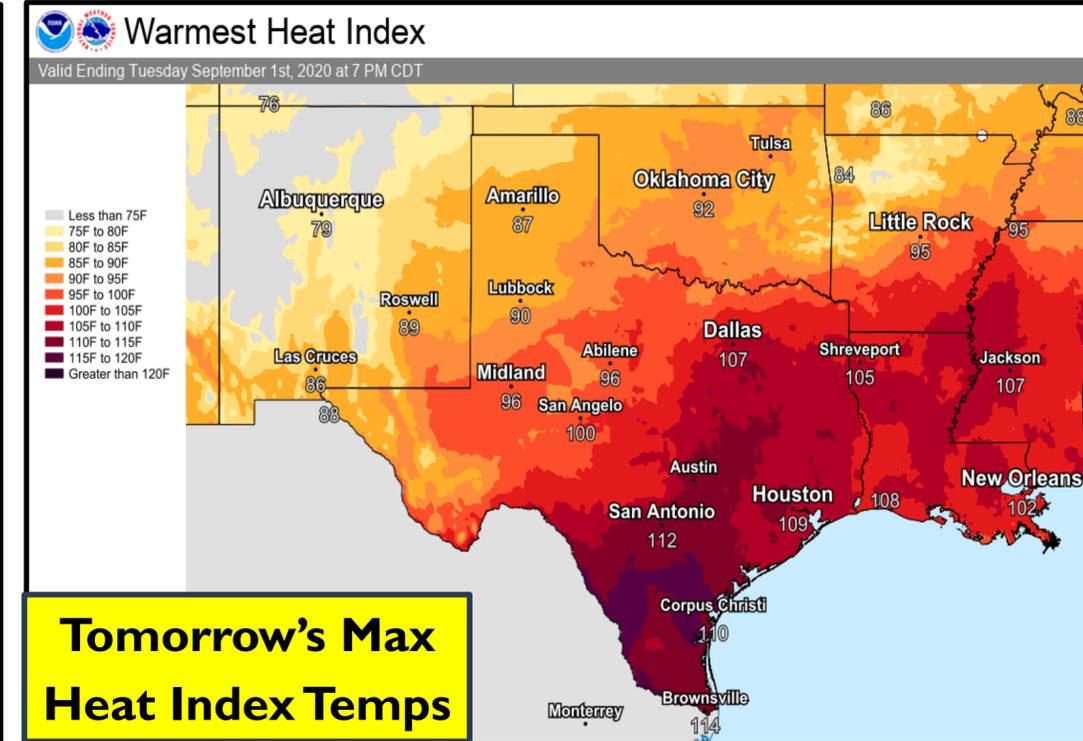
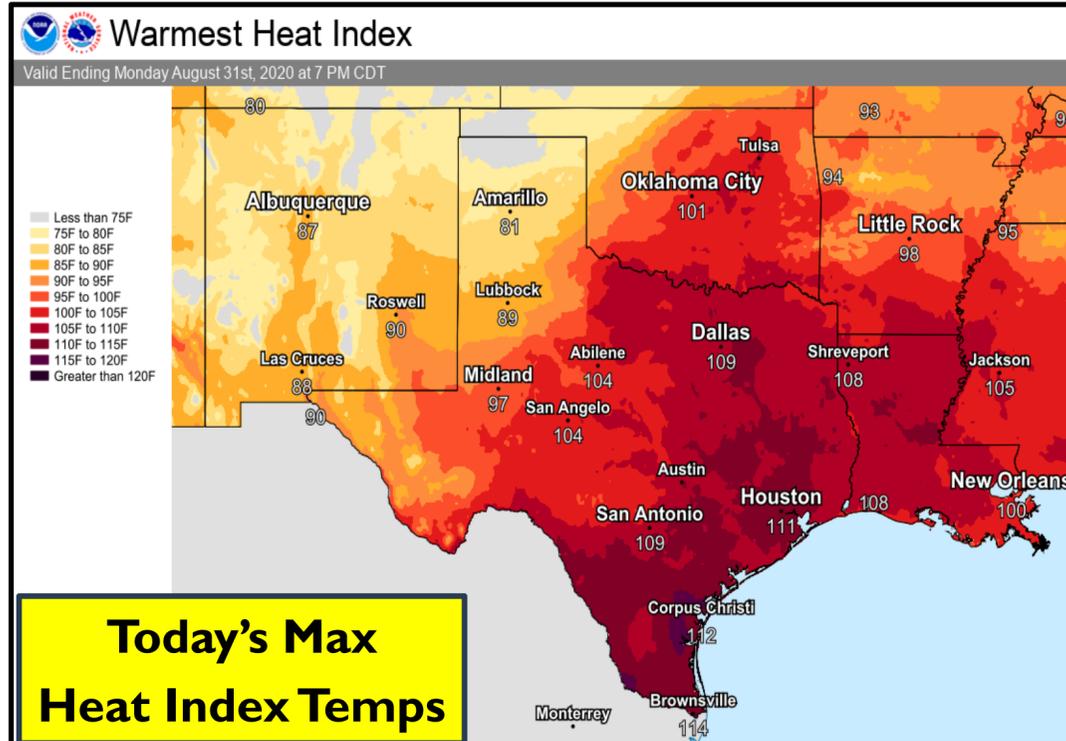
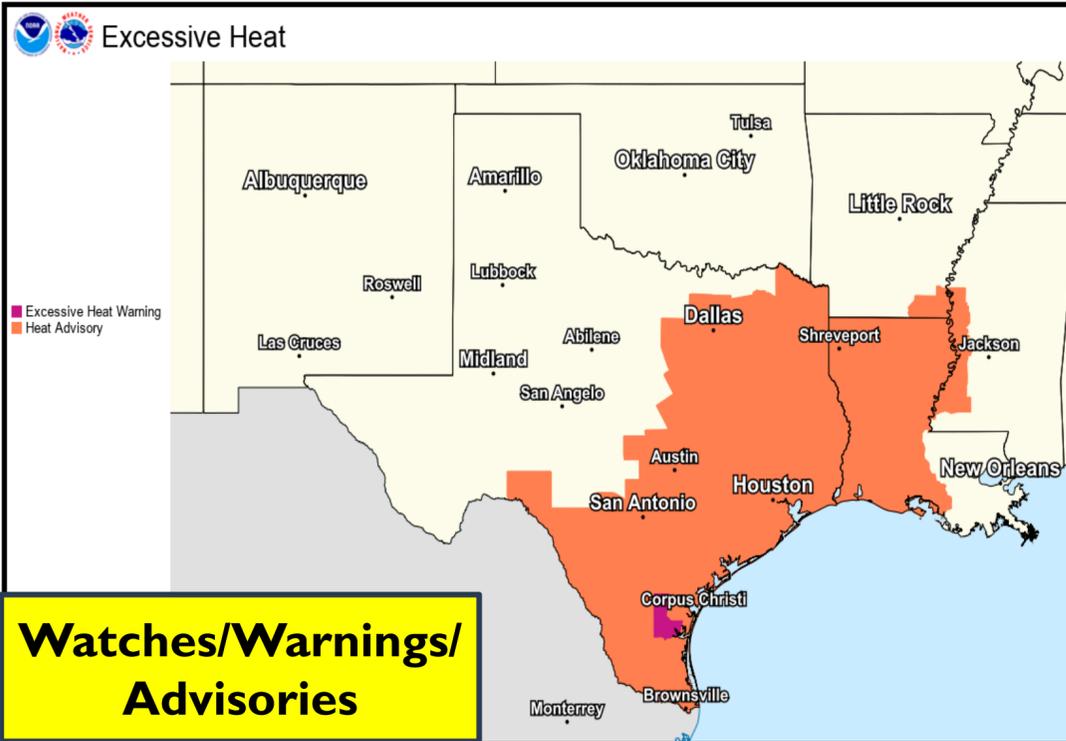
## Excessive Rainfall Outlook



# Excessive Heat Outlook



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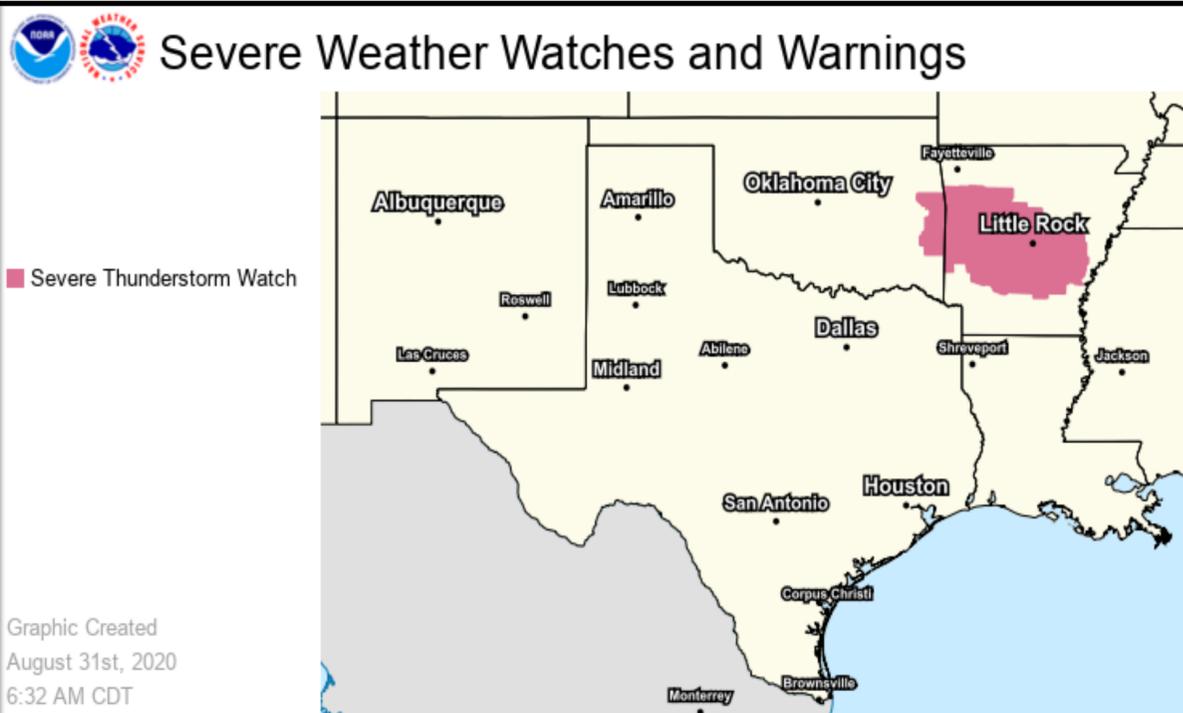


# Watches, Warnings, and Advisories



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Wind, Severe, Winter, and Flood Hazards



**Severe Thunderstorm Watch in effect through 2pm today for E OK into AR.**



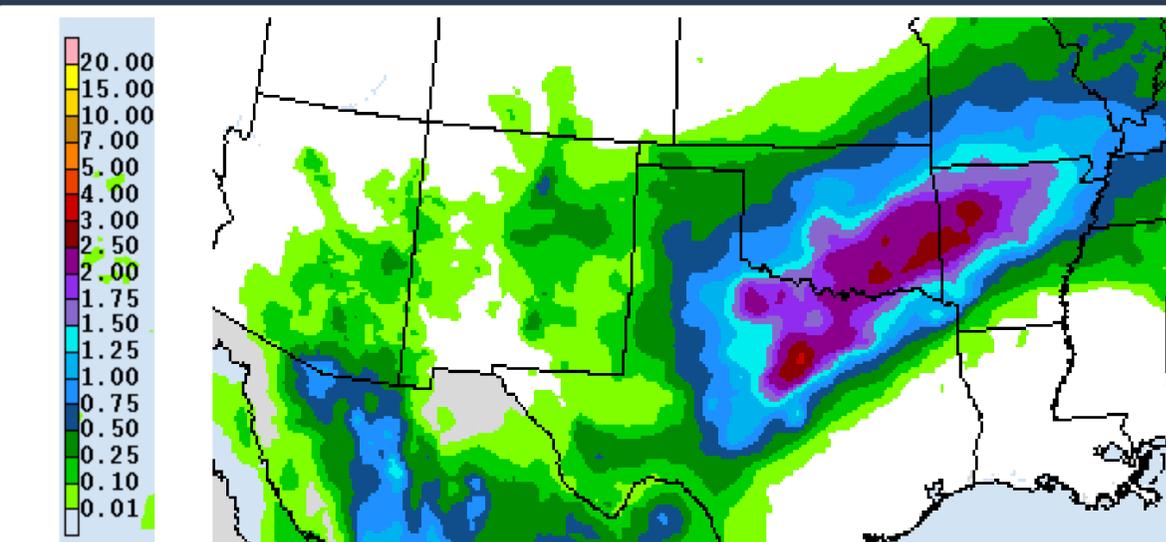
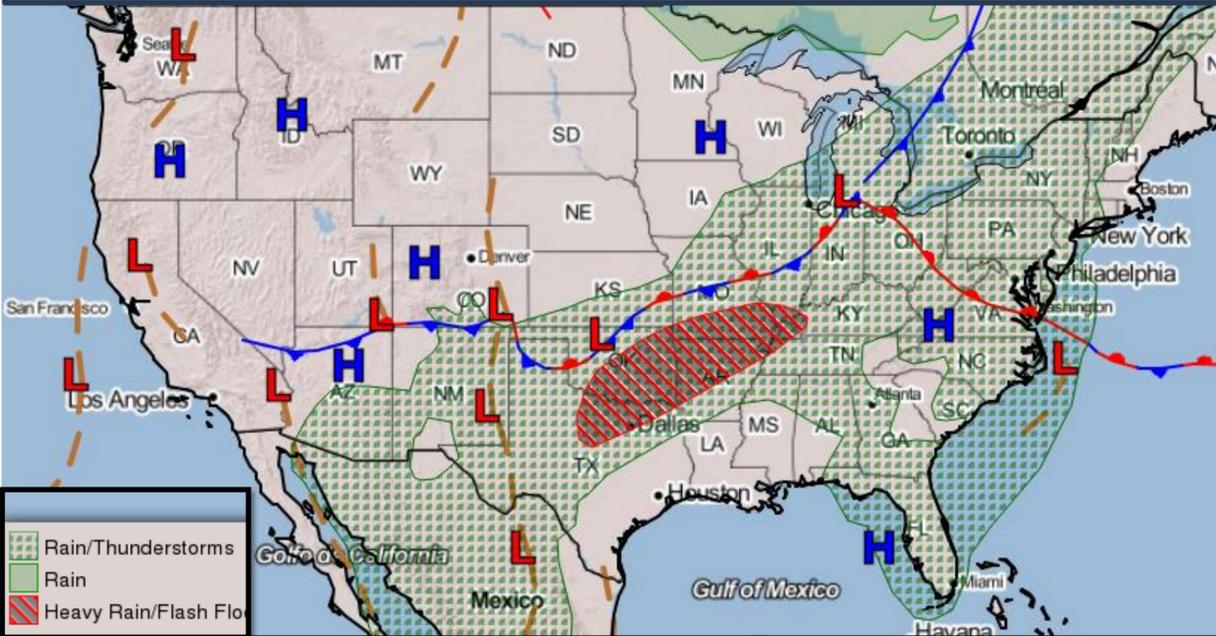
# Tomorrow's Weather



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## Forecast Chart

## Forecast Rainfall



**Marginal risk of severe storms for north/central/western portions of TX into SE OK; damaging winds and hail are the main threats.**

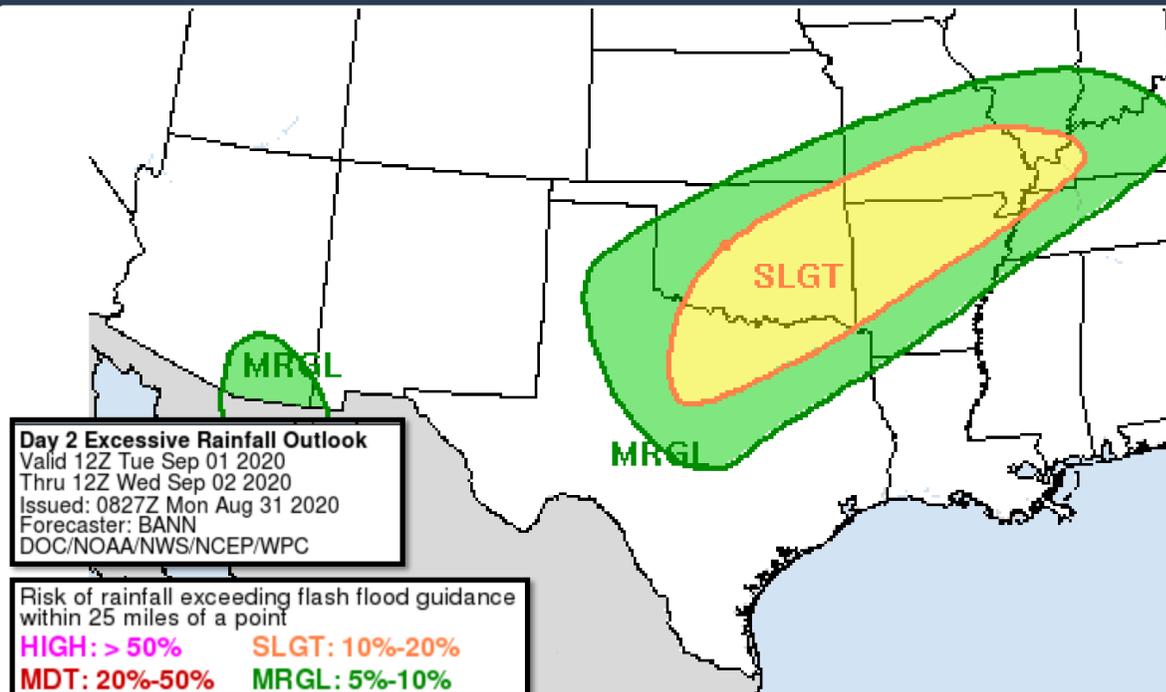
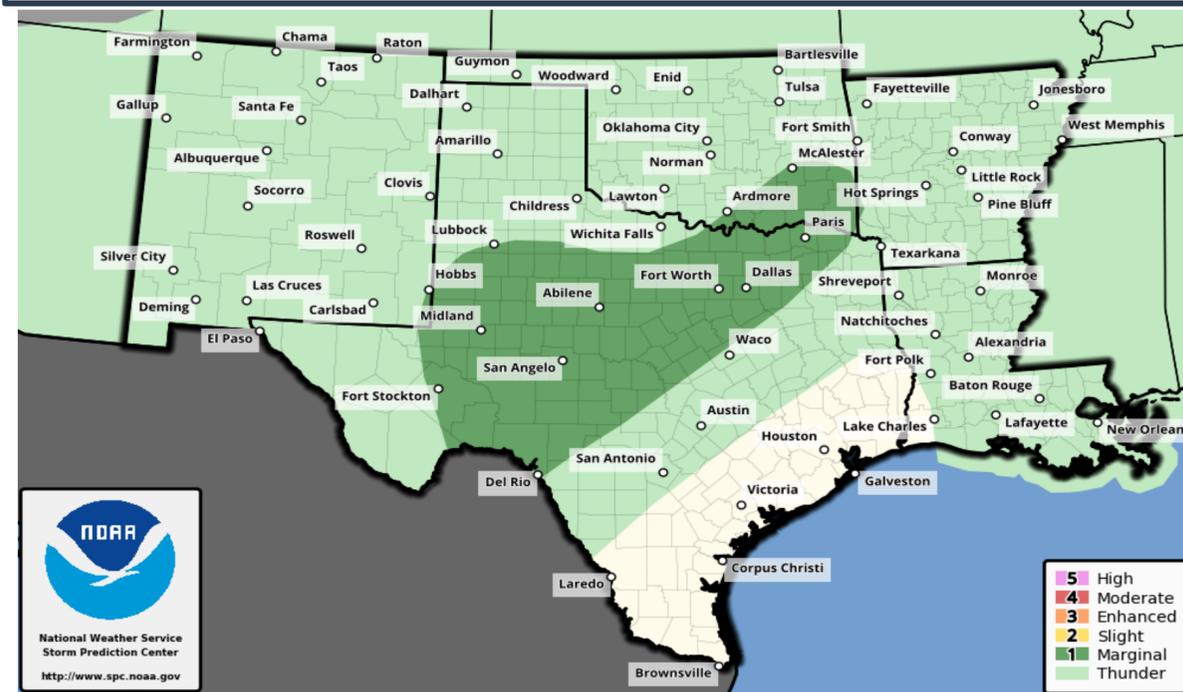
**Slight risk of heavy rain/flash flooding for OK, N TX, and AR.**

Weather Valid 8am EDT Tue Sep 01 2020 to 8am EDT Wed Sep 02 2020  
Fronts Valid 8am EDT Tue Sep 01 2020  
Issued 4:47 AM EDT Mon, Aug 31, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Roth with WPC/SPC/NHC forecasts.

**24-Hour Day 2 QPF**  
Valid 12Z Tue Sep 01 2020  
Thru 12Z Wed Sep 02 2020  
Issued: 0831Z Mon Aug 31 2020

## Severe Weather Outlook

## Excessive Rainfall Outlook



**Day 2 Excessive Rainfall Outlook**  
Valid 12Z Tue Sep 01 2020  
Thru 12Z Wed Sep 02 2020  
Issued: 0827Z Mon Aug 31 2020  
Forecaster: BANN  
DOC/NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

**HIGH: > 50%**      **SLGT: 10%-20%**  
**MDT: 20%-50%**    **MRGL: 5%-10%**

# Wednesday's Weather



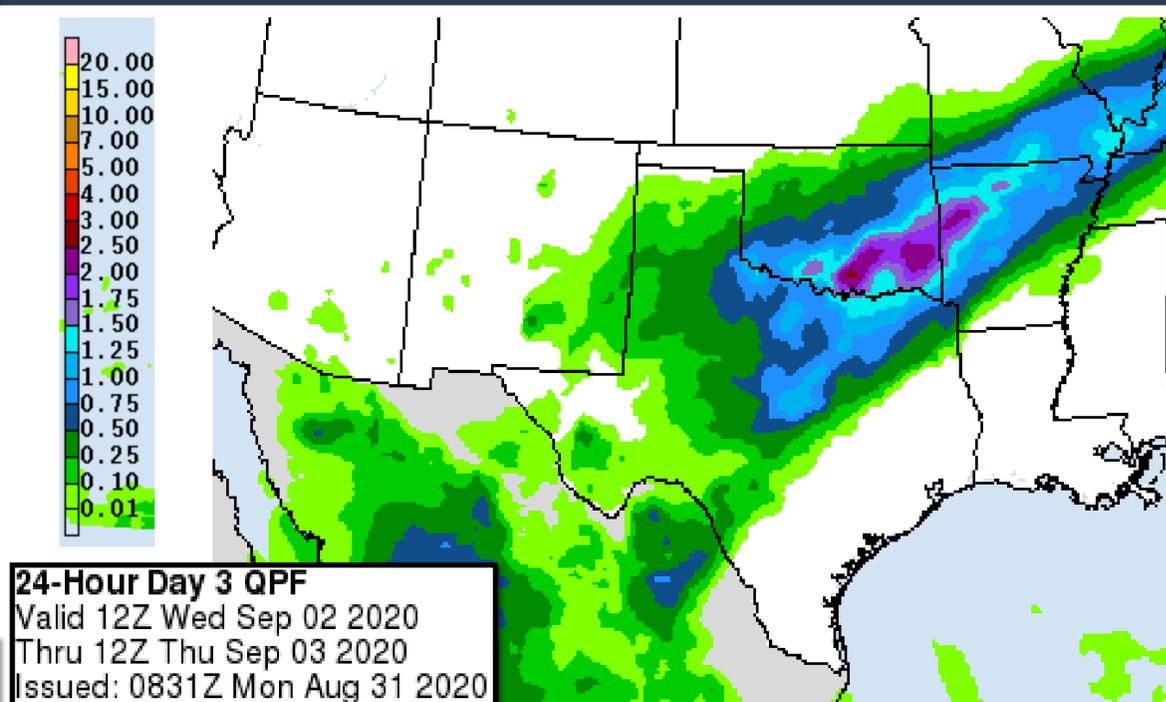
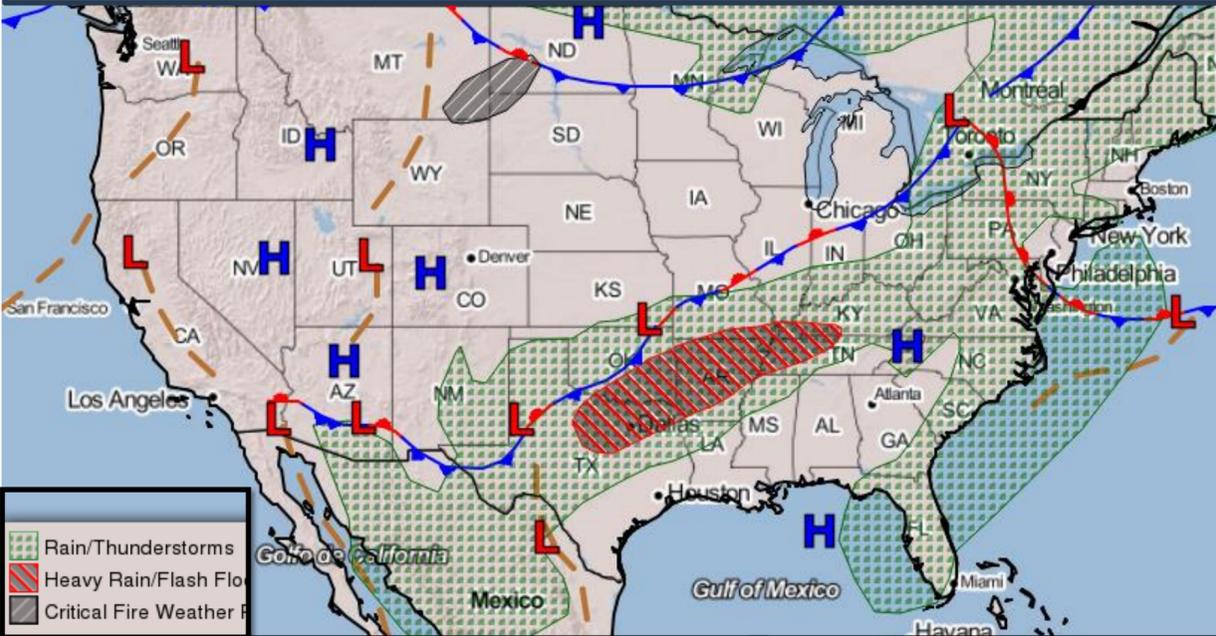
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## Forecast Chart

## Forecast Rainfall

**Slight risk of heavy rain/flash flooding for S&E OK, N TX, and AR.**

**Marginal risk of severe storms over north/central/western portions of TX; damaging winds are the main threat.**

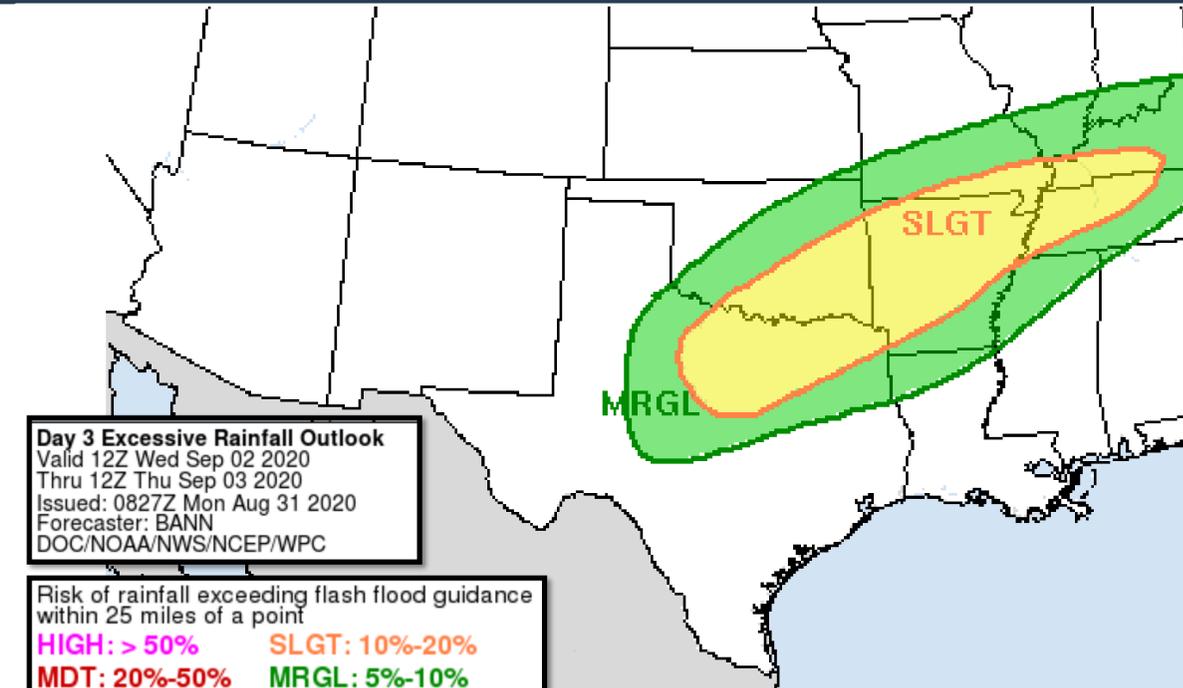
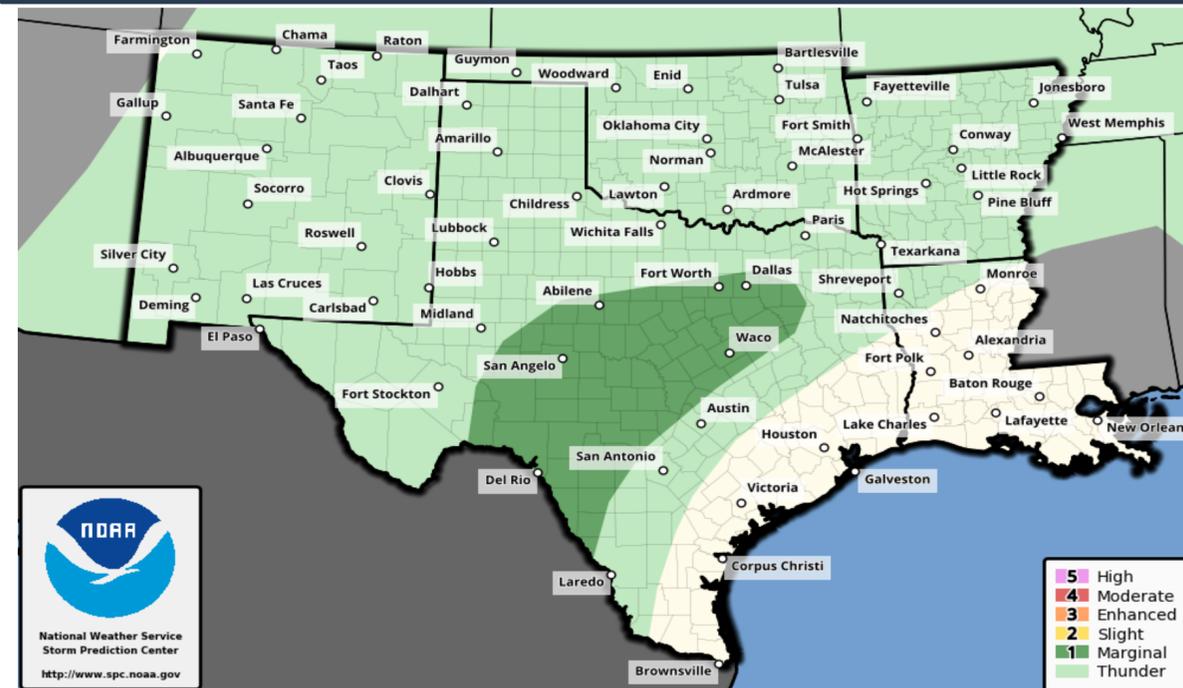


Weather Valid 8am EDT Wed Sep 02 2020 to 8am EDT Thu Sep 03 2020  
Fronts Valid 8am EDT Wed Sep 02 2020  
Issued 4:48 AM EDT Mon, Aug 31, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Roth with WPC/SPC/NHC forecasts.

**24-Hour Day 3 QPF**  
Valid 12Z Wed Sep 02 2020  
Thru 12Z Thu Sep 03 2020  
Issued: 0831Z Mon Aug 31 2020

## Severe Weather Outlook

## Excessive Rainfall Outlook



**Day 3 Excessive Rainfall Outlook**  
Valid 12Z Wed Sep 02 2020  
Thru 12Z Thu Sep 03 2020  
Issued: 0827Z Mon Aug 31 2020  
Forecaster: BANN  
DOC/NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point  
**HIGH: > 50%**    **SLGT: 10%-20%**  
**MDT: 20%-50%**    **MRGL: 5%-10%**



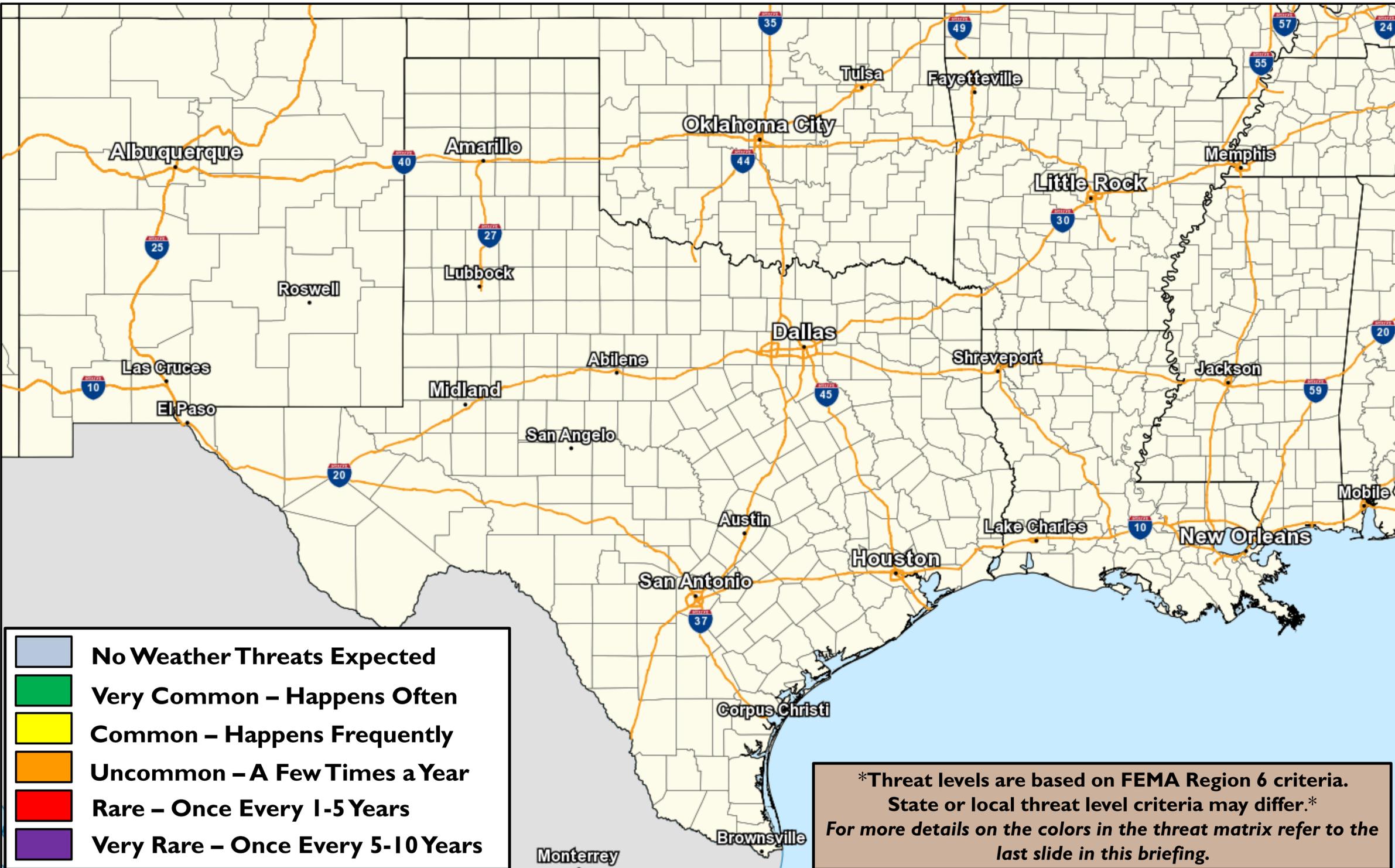
# Days 4-5 Weather Hazards

## Thursday - Friday



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**No significant impacts expected.**

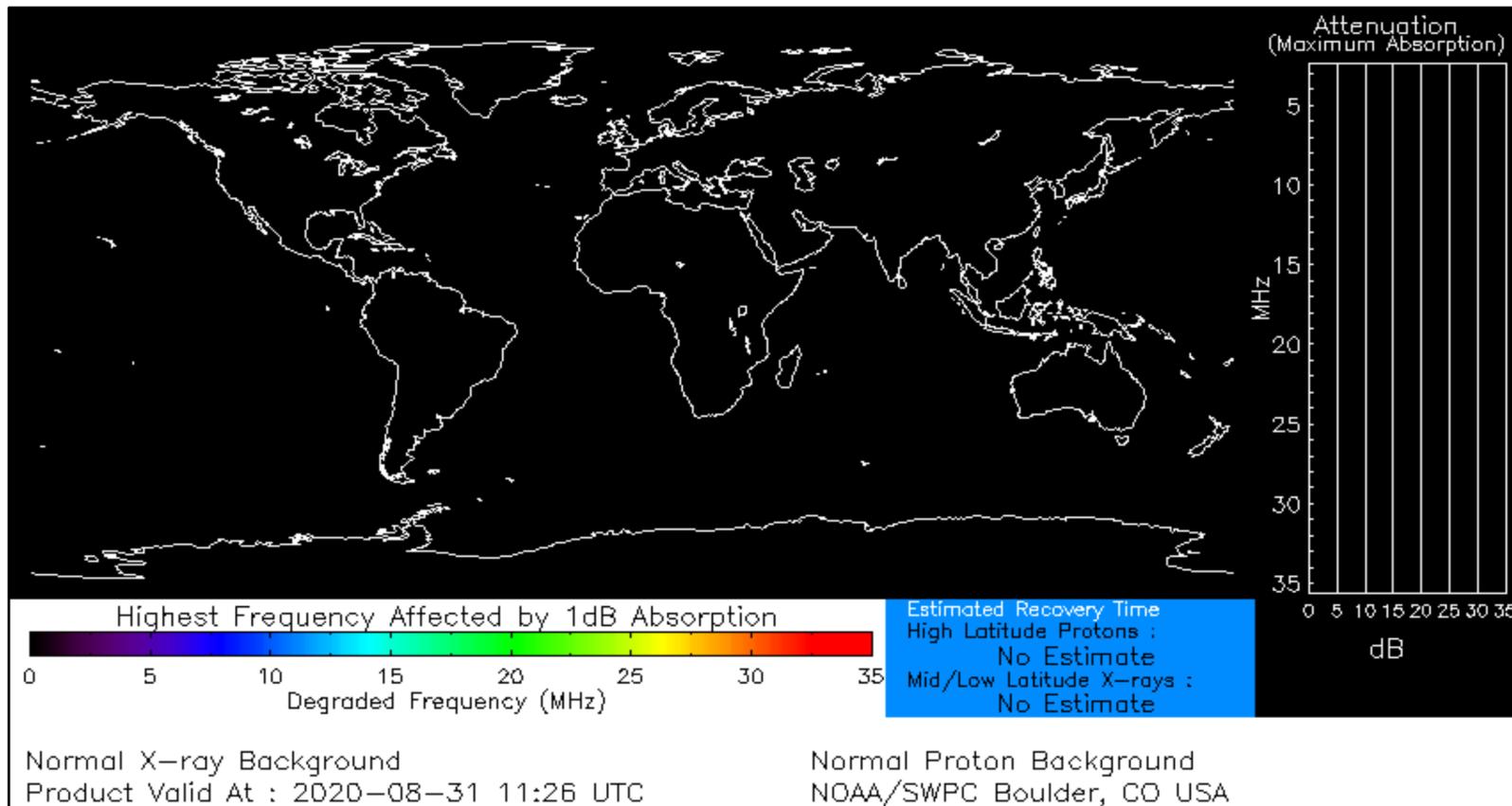


# Space Weather 3-Day Forecast



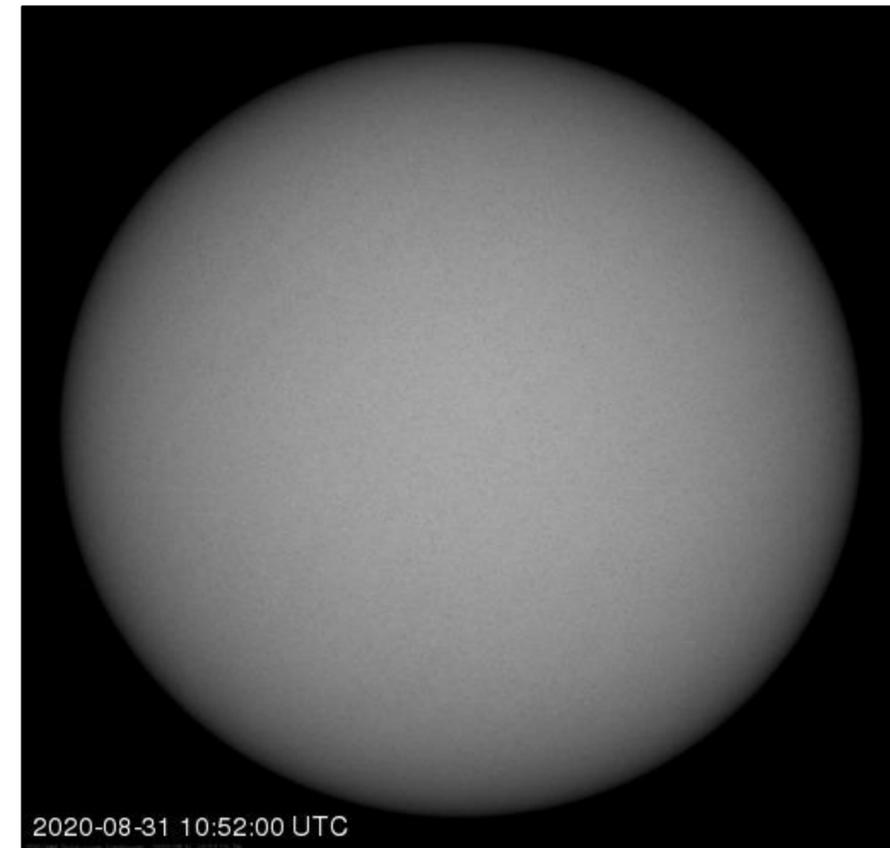
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	Monday	Tuesday	Wednesday
<b>Geomagnetic Storms</b>	<b>Unsettled to Active (Max Kp = 4)</b>	<b>Quiet to Unsettled (Max Kp = 3)</b>	<b>Quiet to Unsettled (Max Kp = 3)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<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

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 <u>seabreeze</u> 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).**