



# FEMA



Prepared by  
*Todd Beal*

# FEMA Region 6 Weather Threat Briefing

Friday July 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).



- **Marginal risk of severe storms today across NM and parts of TX, AR, and LA today.**
- **Heavy rainfall/flash flooding threat continues across N AR today.**
- **Hurricane Isaias is 385 southeast of Nassau and moving NW at 17 mph. No impacts to FEMA Region 6.**

# FEMA Region 6 Threat Matrix



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Jul 31, 2020 - Aug 4, 2020

DAY / THREAT	Fri	Sat	Sun	Mon	Tue
Severe Storms	TX, AR, LA NM				
Heavy Rain / Flash Flooding	N AR	NM, W TX, NE AR	NM		
Fire Weather					
Tropical Winds / Surge					
Heat					
River Flooding	STX, N OK	STX			

	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.*

# Tropical Weather Outlook – Atlantic/Gulf



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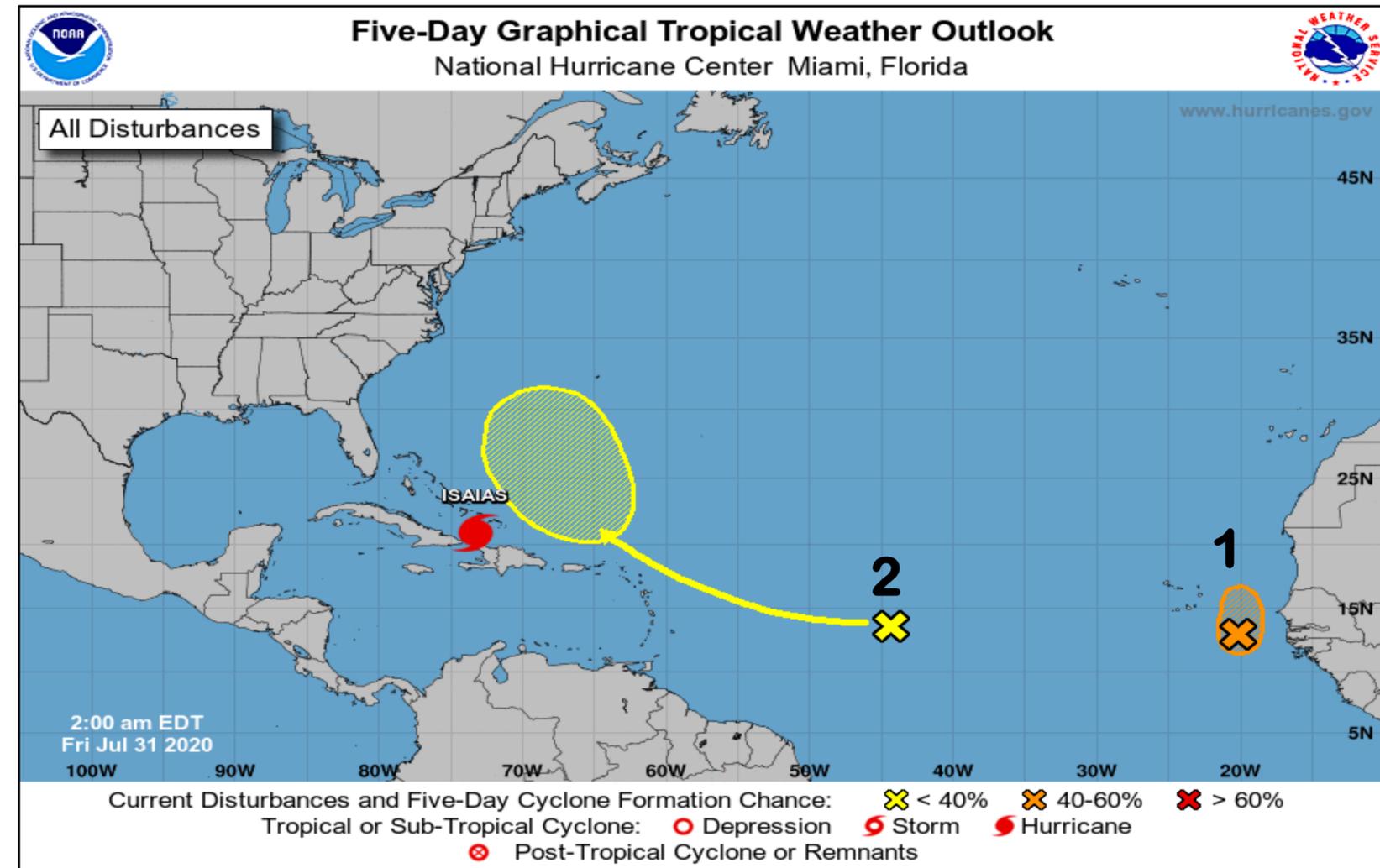
See next slide for more information

## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Medium	None.
2	Low	None.

## Active Tropical Cyclones

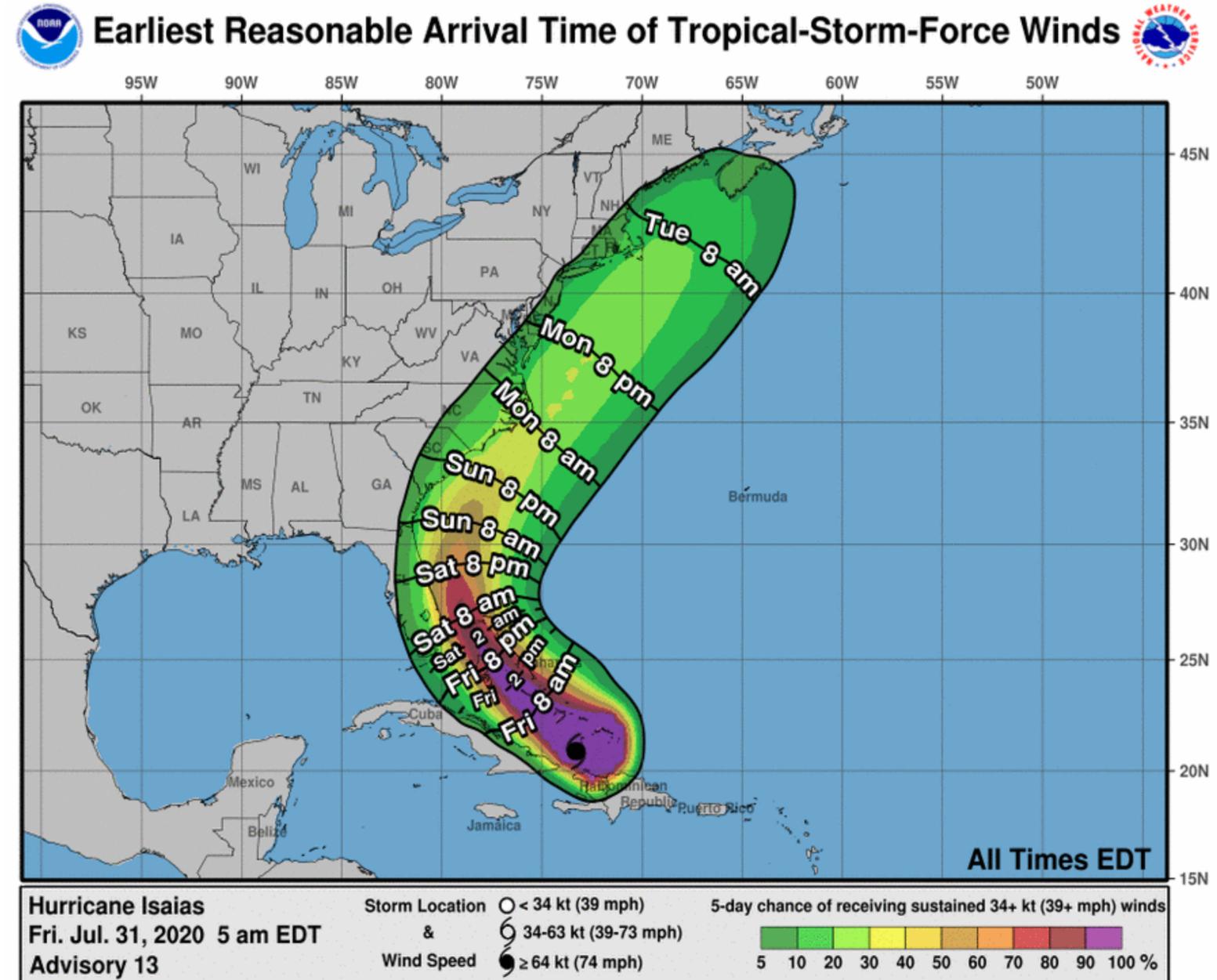
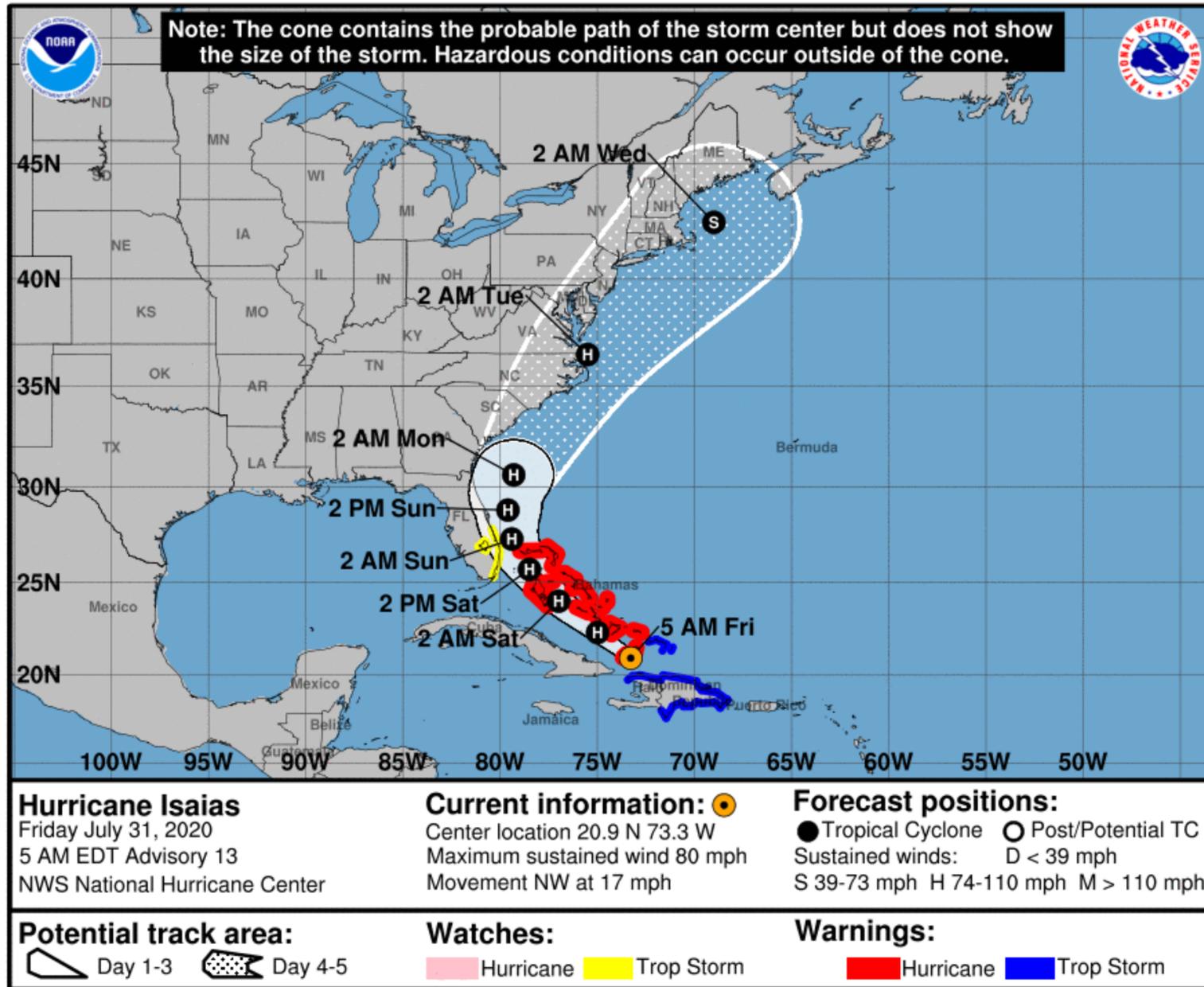
Storm	Potential Impacts to FEMA 6
Isaias	No Impacts to FEMA Region 6.



# Hurricane Isaias



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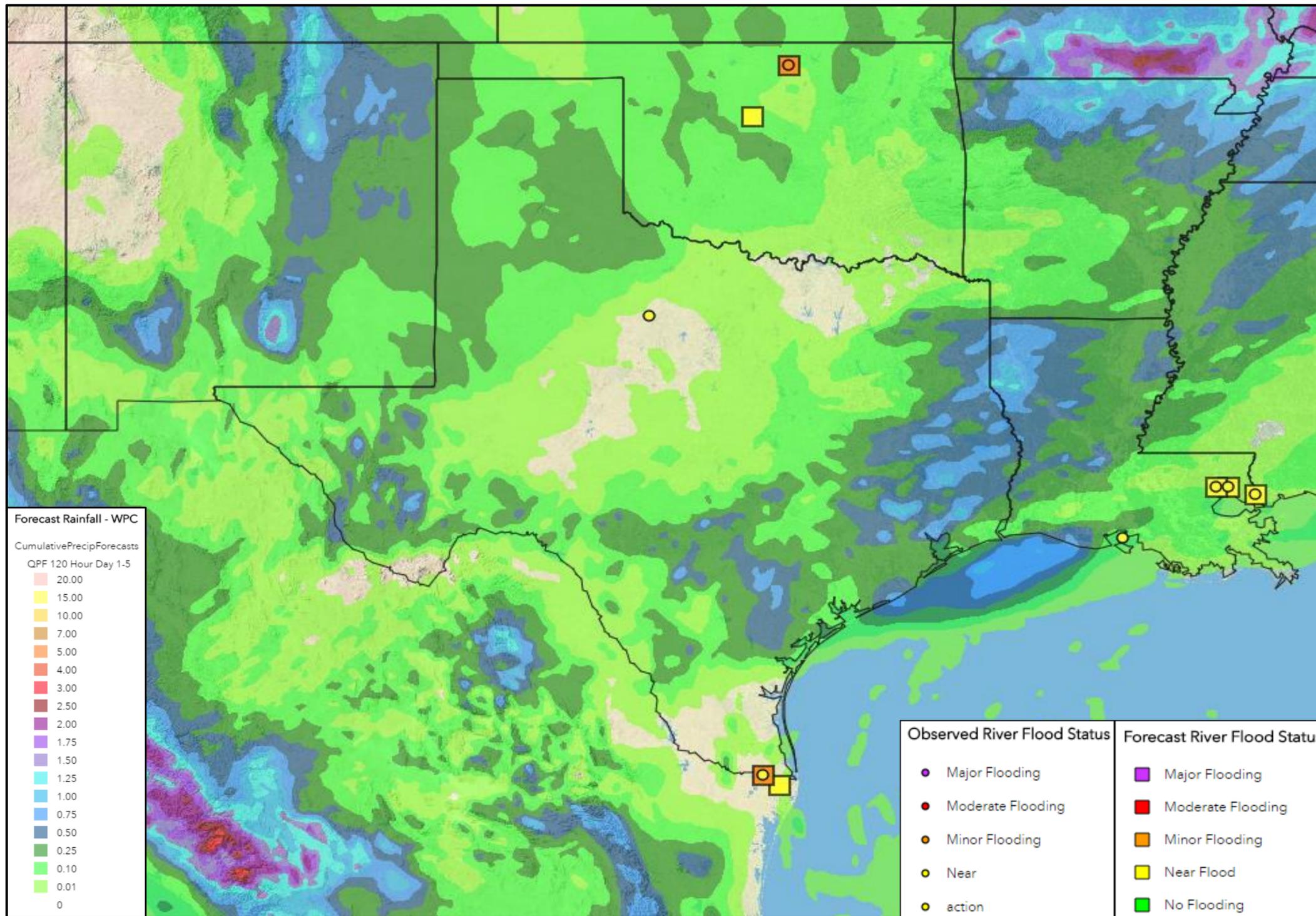


# 5-Day Precipitation Forecast & River Flood Status



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



Minor flooding is expected on the Rio Grande near San Benito. Minor lowland flooding reaches into the lowest sections of the flood plain inside the levees with no significant damage.

Minor flooding on the Salt Fork Arkansas River at Tonkawa (OK). Farmland and oilfields may be flooded.

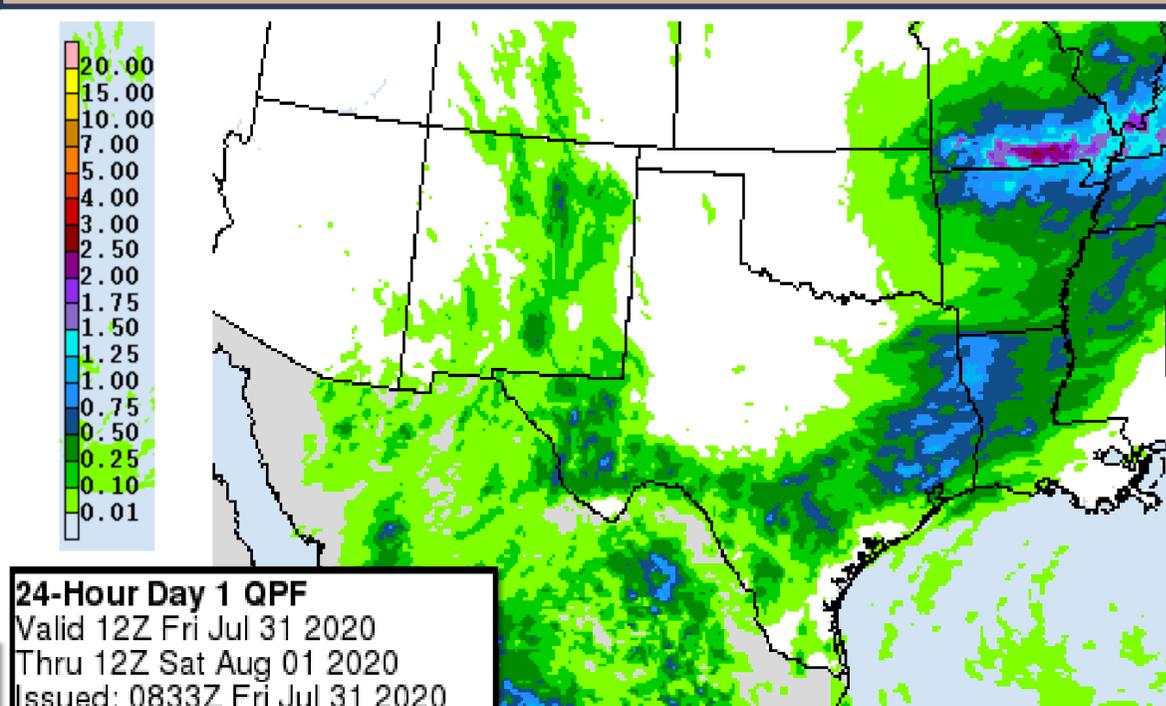
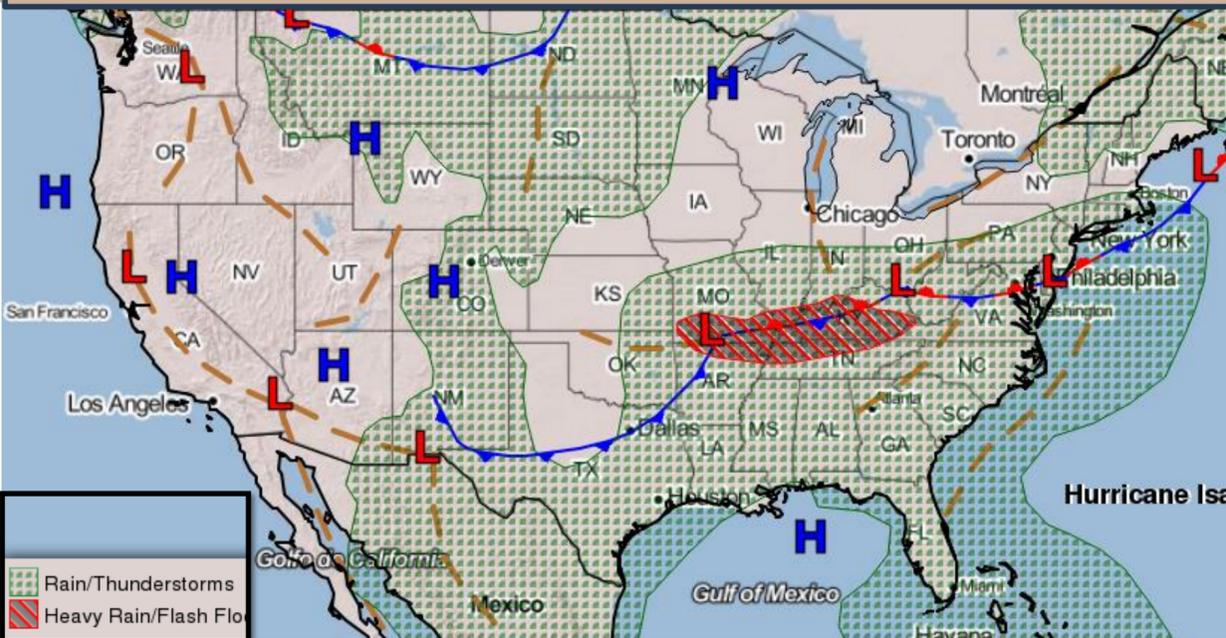
# Today's Weather



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## Forecast Chart

## Forecast Rainfall



**Heavy rainfall/flash flooding potential continues across NAR.**

**Isolated heavy rainfall/flash flooding across NM, W TX, SE TX, AR, and LA.**

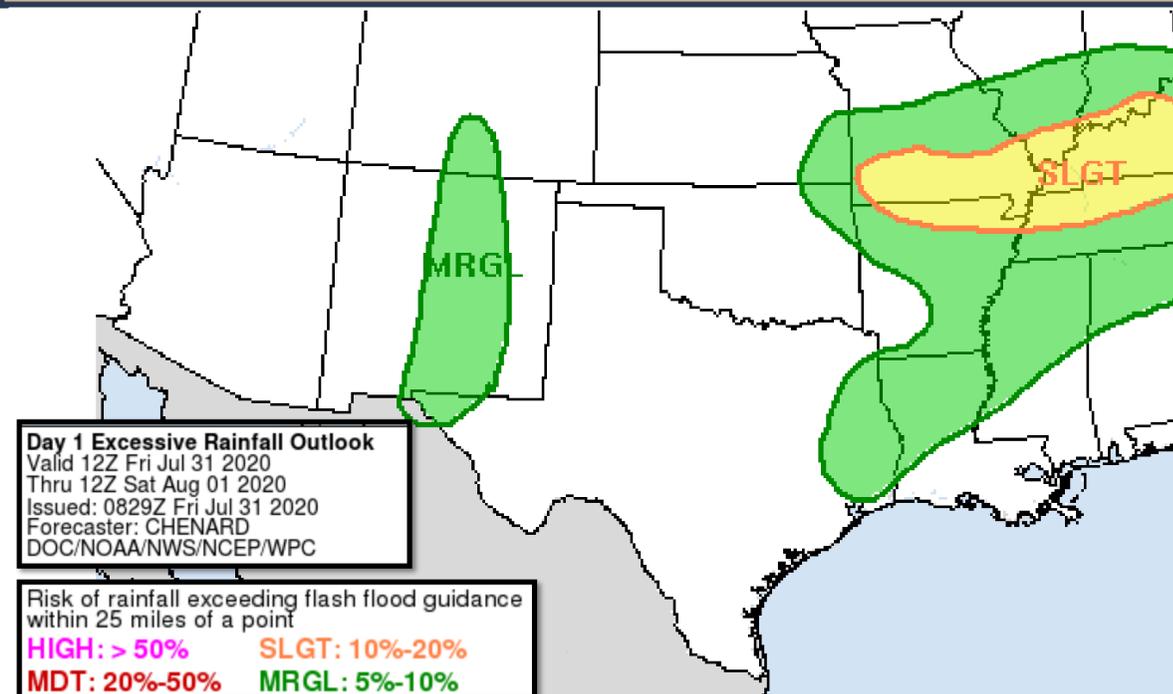
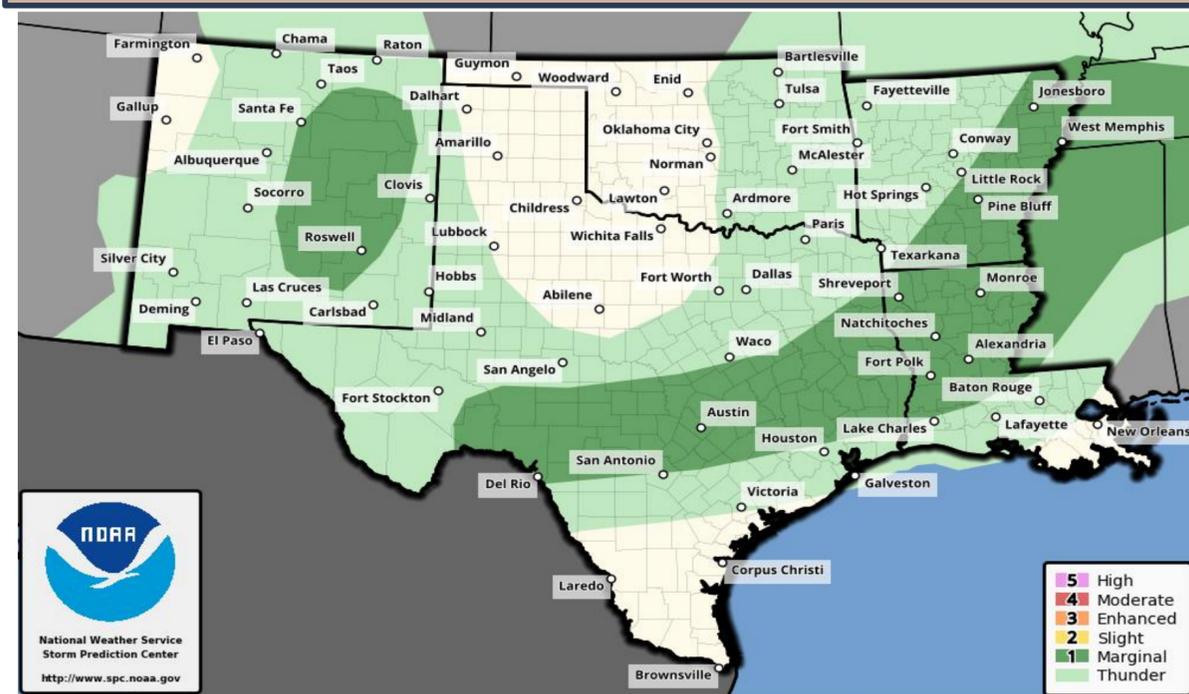
**Marginal risk of severe storms across NM, TX, LA, and AR.**

Weather Valid 8am EDT Fri Jul 31 2020 to 8am EDT Sat Aug 01 2020  
Fronts Valid 8am EDT Fri Jul 31 2020  
Issued 4:51 AM EDT Fri, Jul 31, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Pereira with WPC/SPC/NHC forecasts.

**24-Hour Day 1 QPF**  
Valid 12Z Fri Jul 31 2020  
Thru 12Z Sat Aug 01 2020  
Issued: 0833Z Fri Jul 31 2020

## Severe Weather Outlook

## Excessive Rainfall Outlook



**Day 1 Excessive Rainfall Outlook**  
Valid 12Z Fri Jul 31 2020  
Thru 12Z Sat Aug 01 2020  
Issued: 0829Z Fri Jul 31 2020  
Forecaster: CHENARD  
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%**



# Tomorrow's Weather

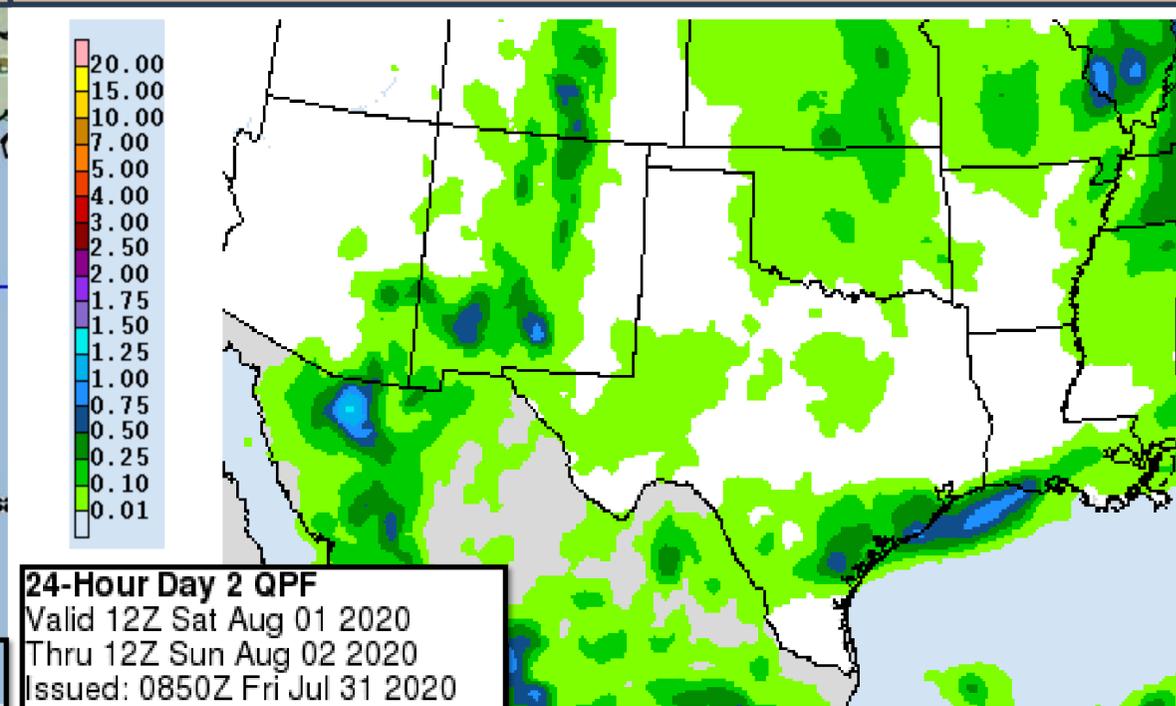
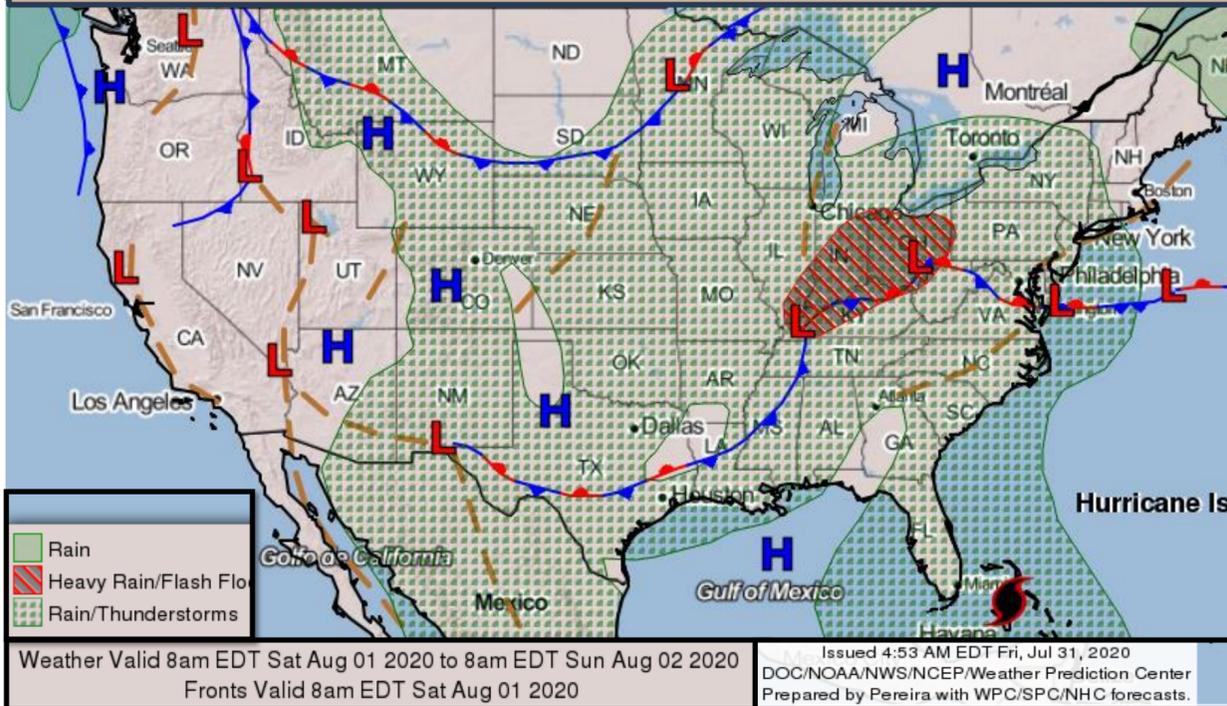


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## Forecast Chart

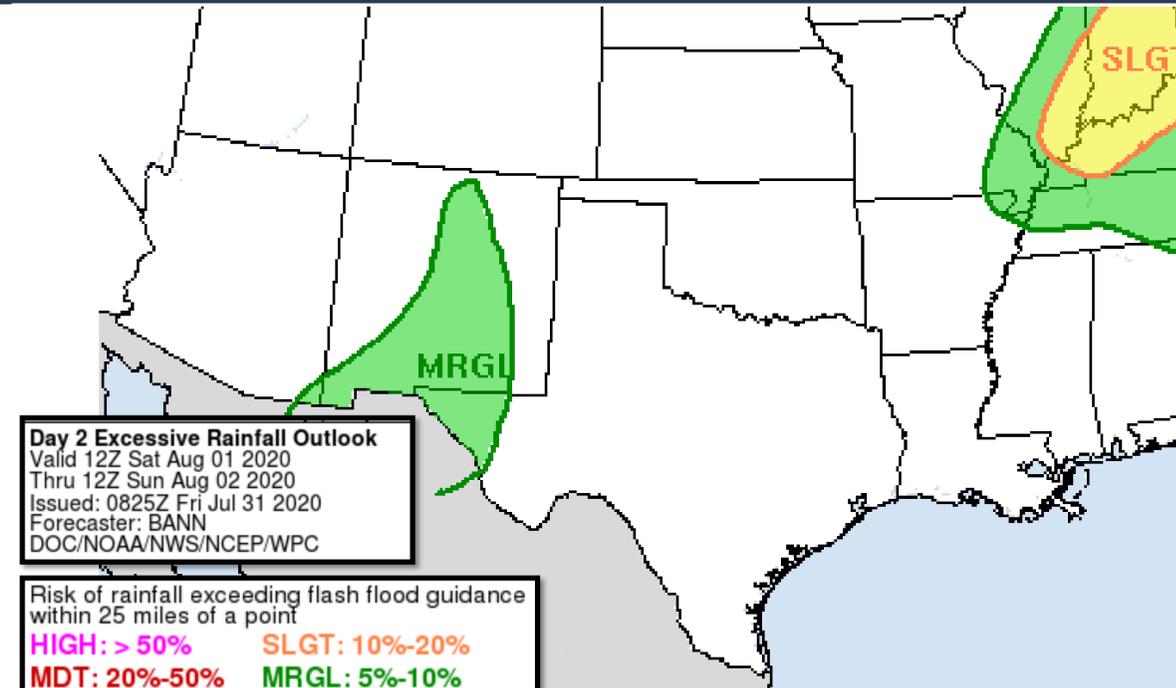
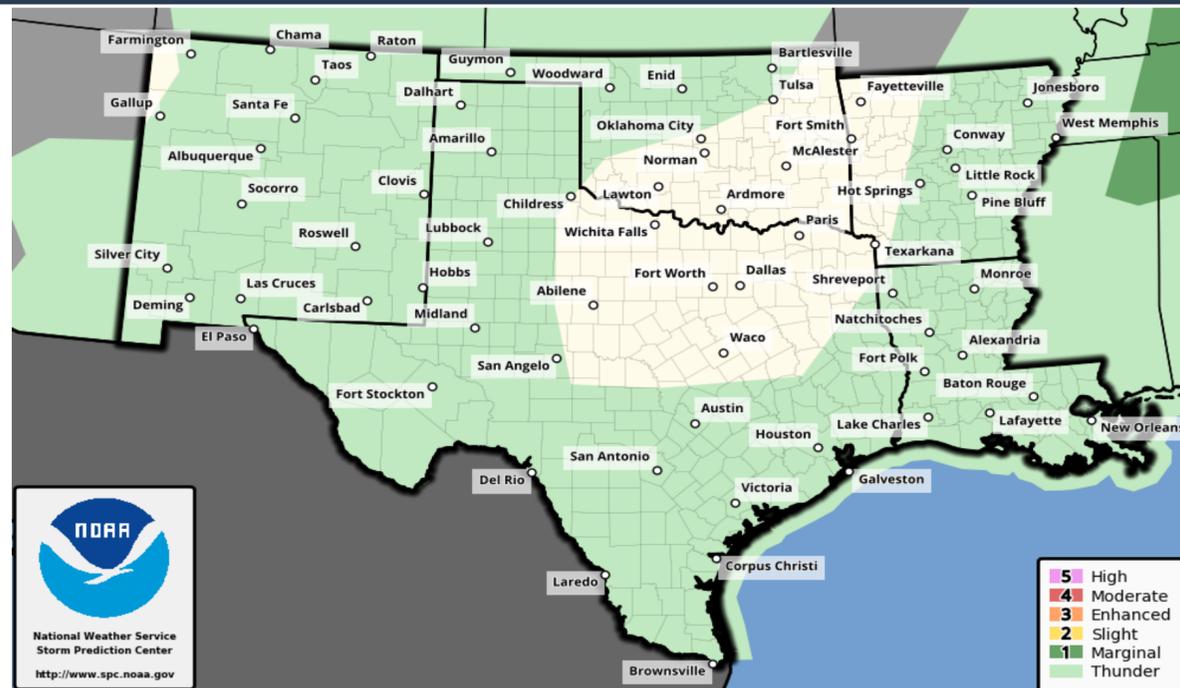
## Forecast Rainfall

**Isolated heavy rainfall and flash flooding across NM, W TX, and NE AR.**



## Severe Weather Outlook

## Excessive Rainfall Outlook



# Sunday's Weather

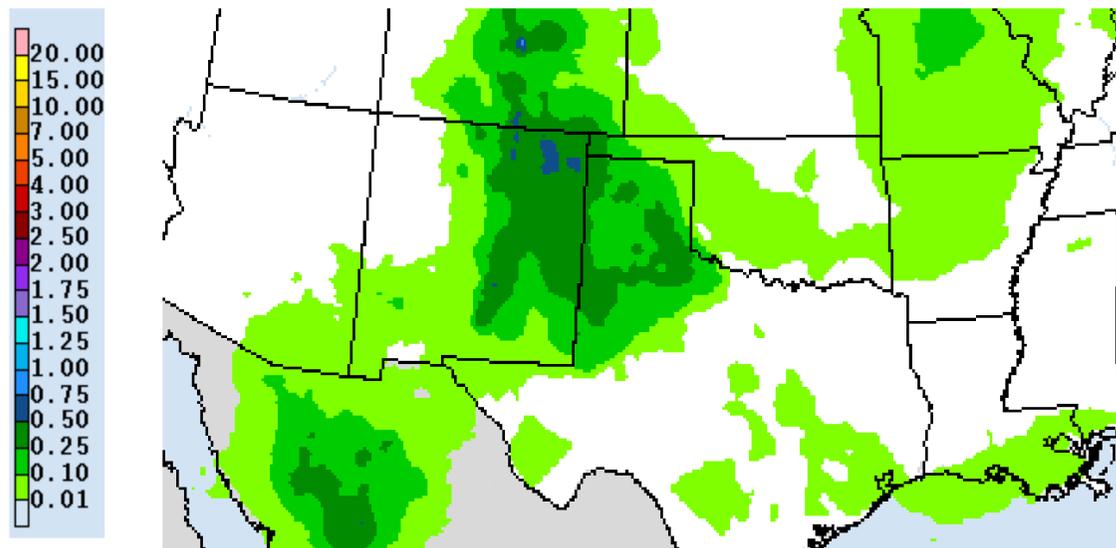
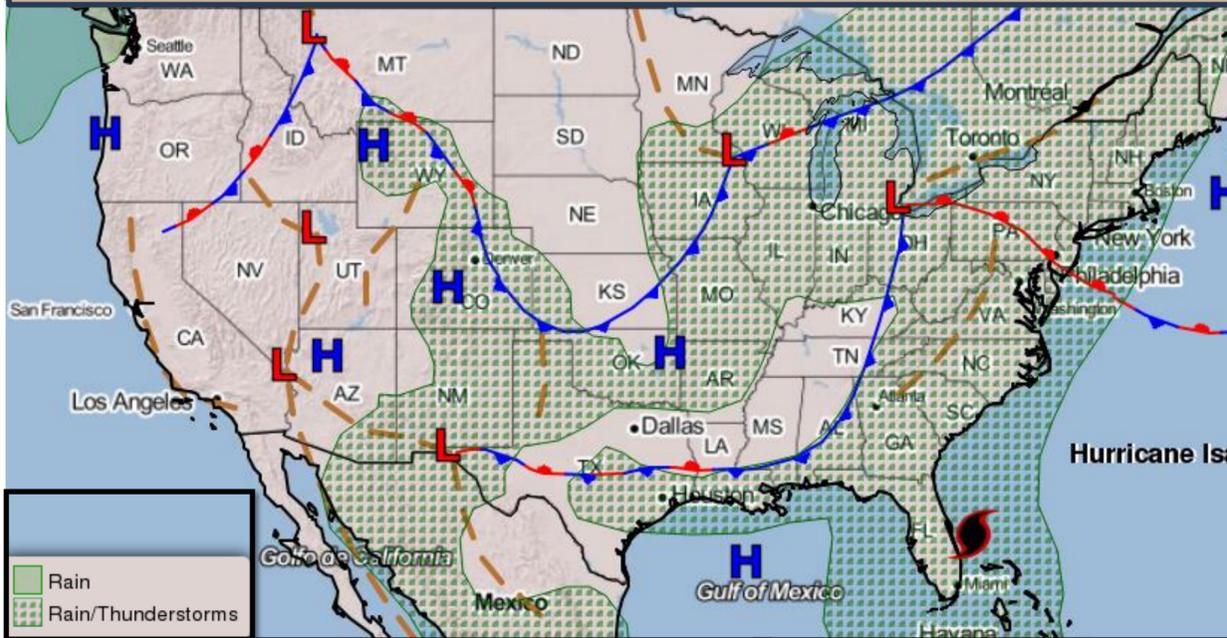


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## Forecast Chart

## Forecast Rainfall

**Isolated heavy rain/flash flooding across NM.**



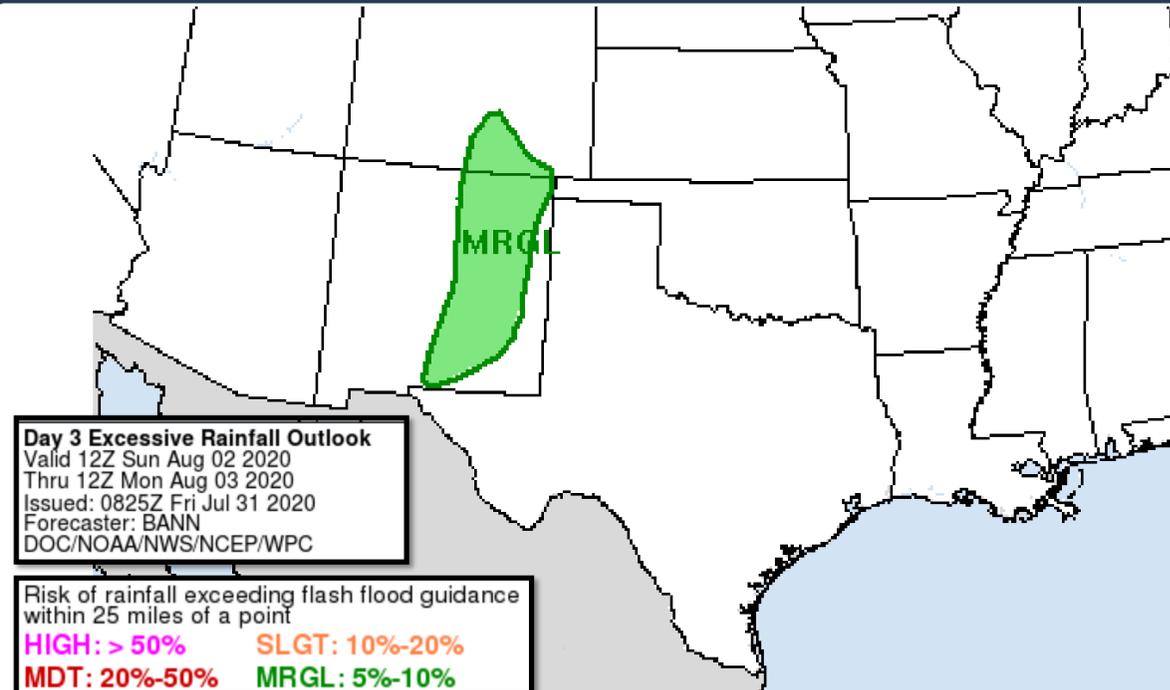
**24-Hour Day 3 QPF**  
Valid 12Z Sun Aug 02 2020  
Thru 12Z Mon Aug 03 2020  
Issued: 0850Z Fri Jul 31 2020

Weather Valid 8am EDT Sun Aug 02 2020 to 8am EDT Mon Aug 03 2020  
Fronts Valid 8am EDT Sun Aug 02 2020

Issued 4:56 AM EDT Fri, Jul 31, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Pereira with WPC/SPC/NHC forecasts.

## Severe Weather Outlook

## Excessive Rainfall Outlook



**Day 3 Excessive Rainfall Outlook**  
Valid 12Z Sun Aug 02 2020  
Thru 12Z Mon Aug 03 2020  
Issued: 0825Z Fri Jul 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%**



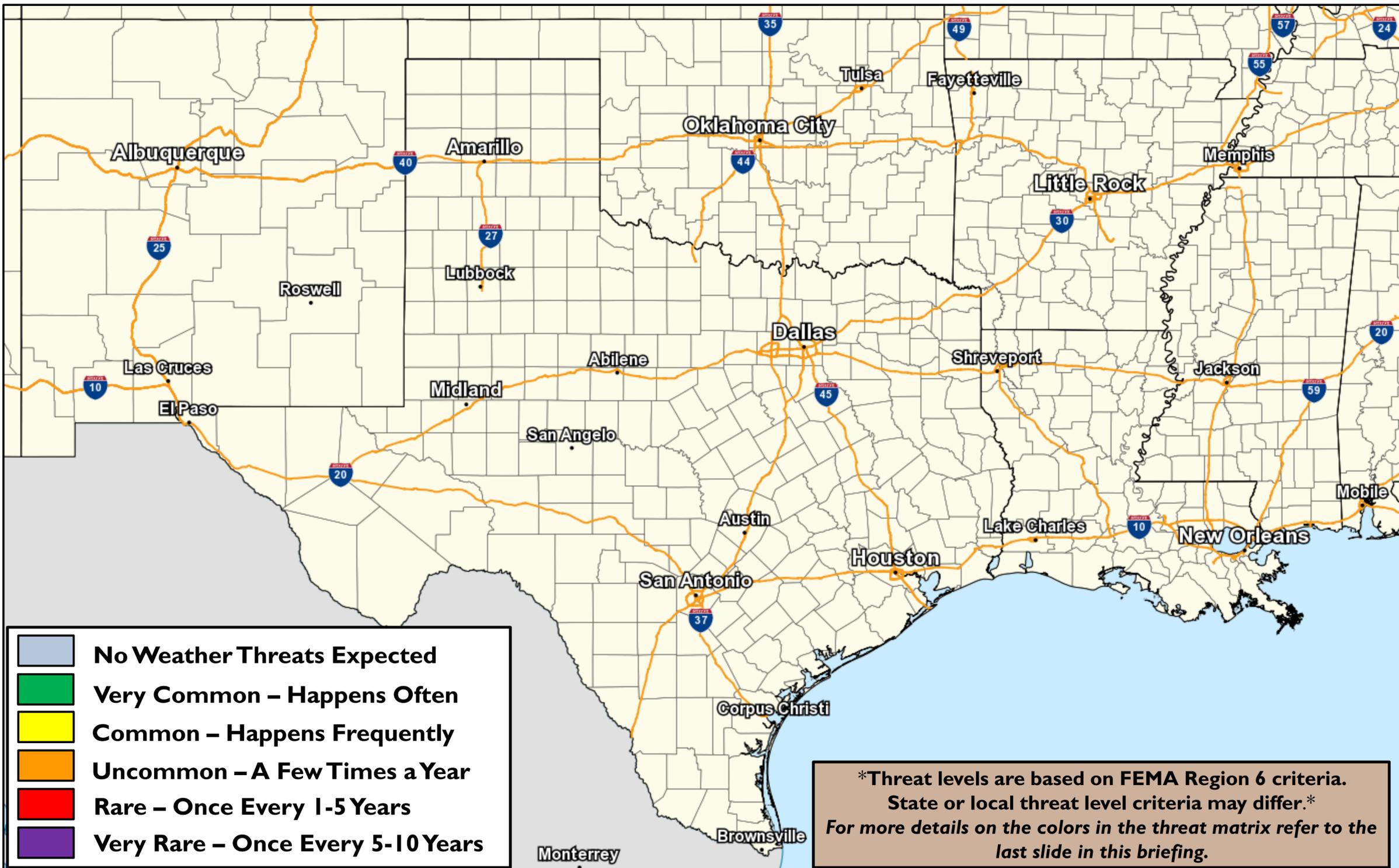
# Days 4-5 Weather Hazards

## Monday - Tuesday



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No significant weather impacts expected.

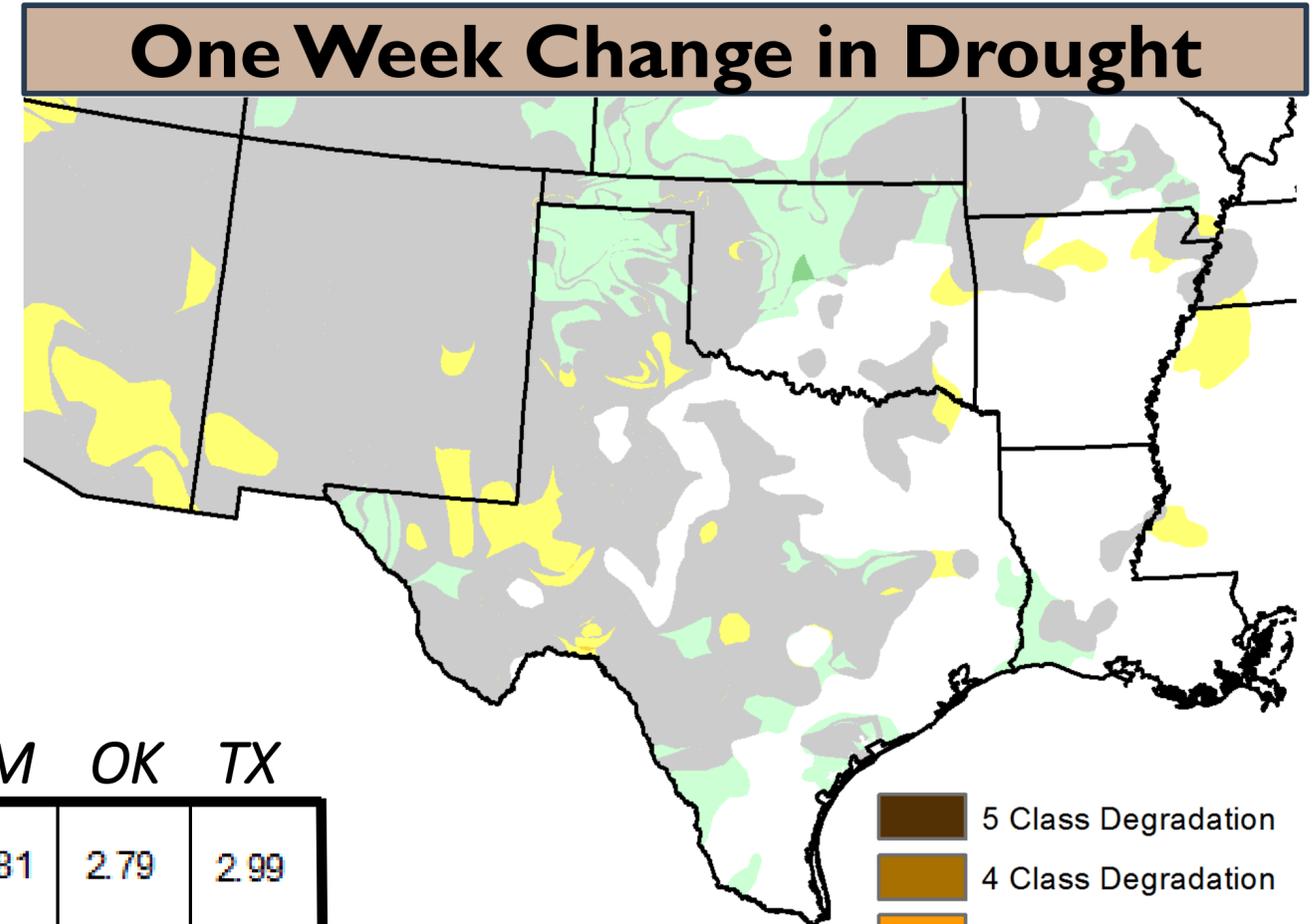
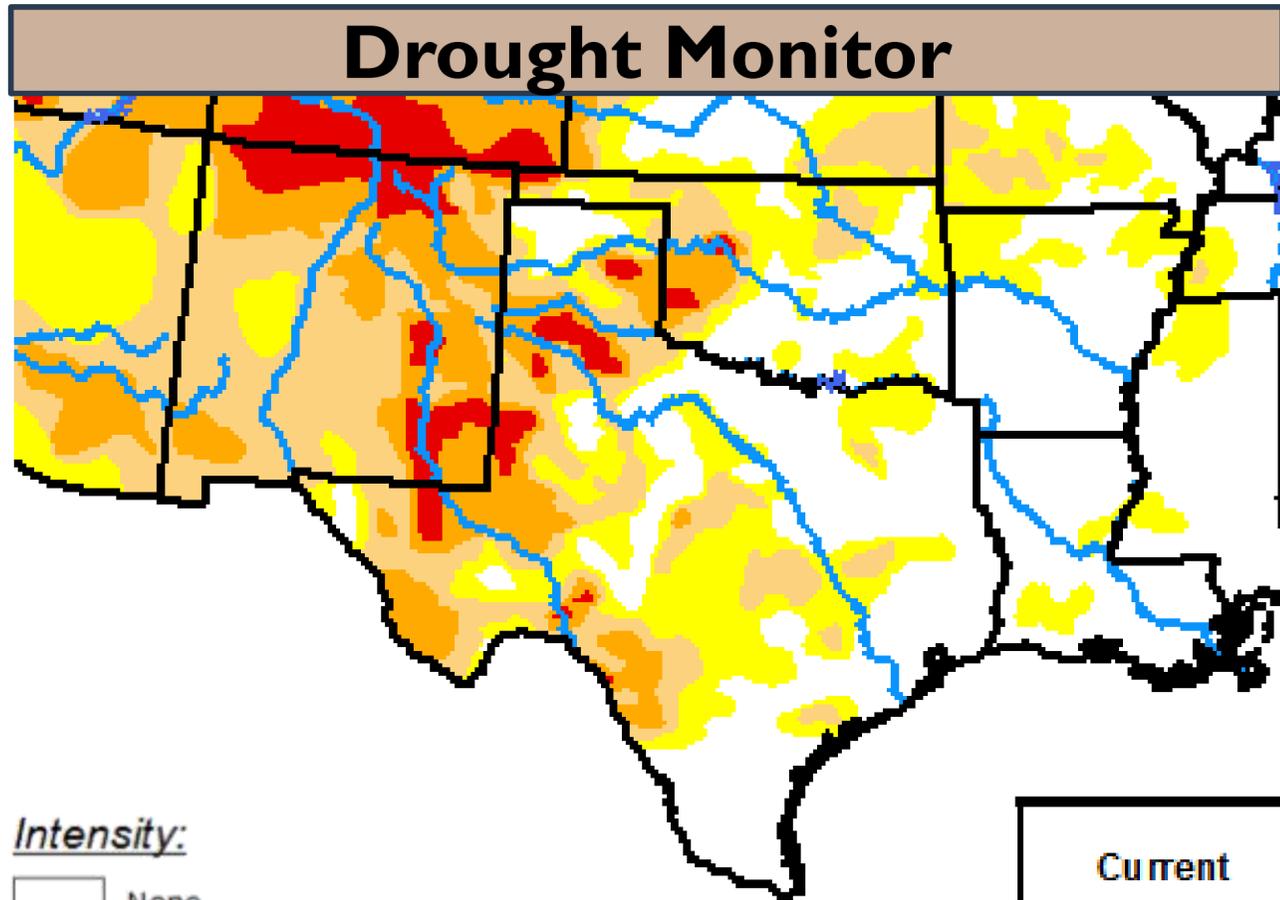


# Drought Monitor (Released Jul 30, 2020)



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Data valid as of 8 am ET on Tuesday, July 28, 2020



**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. See accompanying text summary for forecast statements.

	AR	LA	NM	OK	TX
<b>Current</b>	0.00	0.00	13.81	2.79	2.99
<b>Last Week</b> <i>07-21-2020</i>	0.00	0.00	11.85	2.98	2.84
<b>3 Months Ago</b> <i>04-28-2020</i>	0.00	0.00	0.00	0.00	1.59
<b>One Year Ago</b> <i>07-30-2019</i>	0.00	0.00	0.00	0.00	0.00

Drought Conditions (Percent Area)

**D3-D4 (Extreme to Exceptional Drought)**

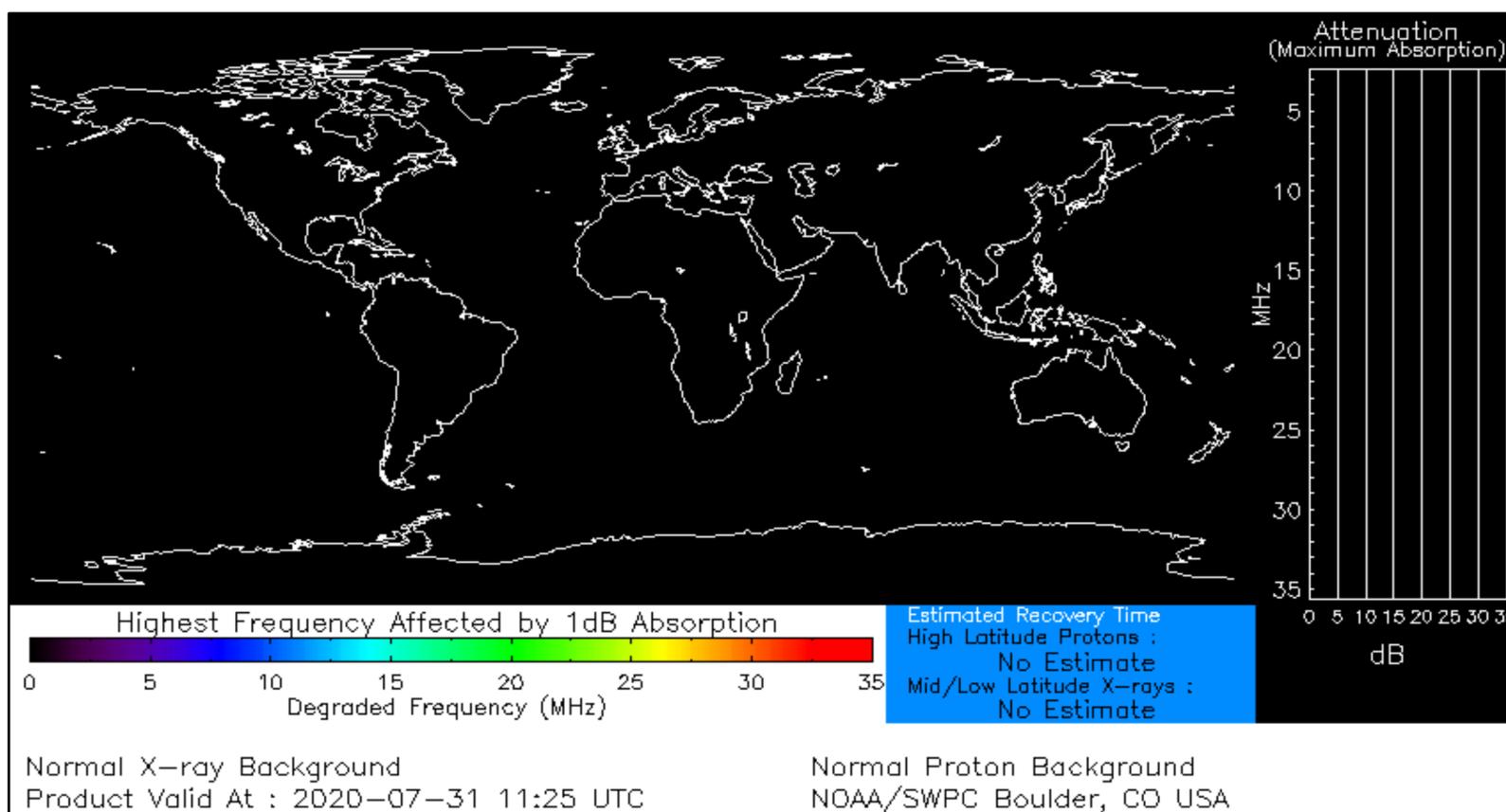
- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

# Space Weather 3-Day Forecast



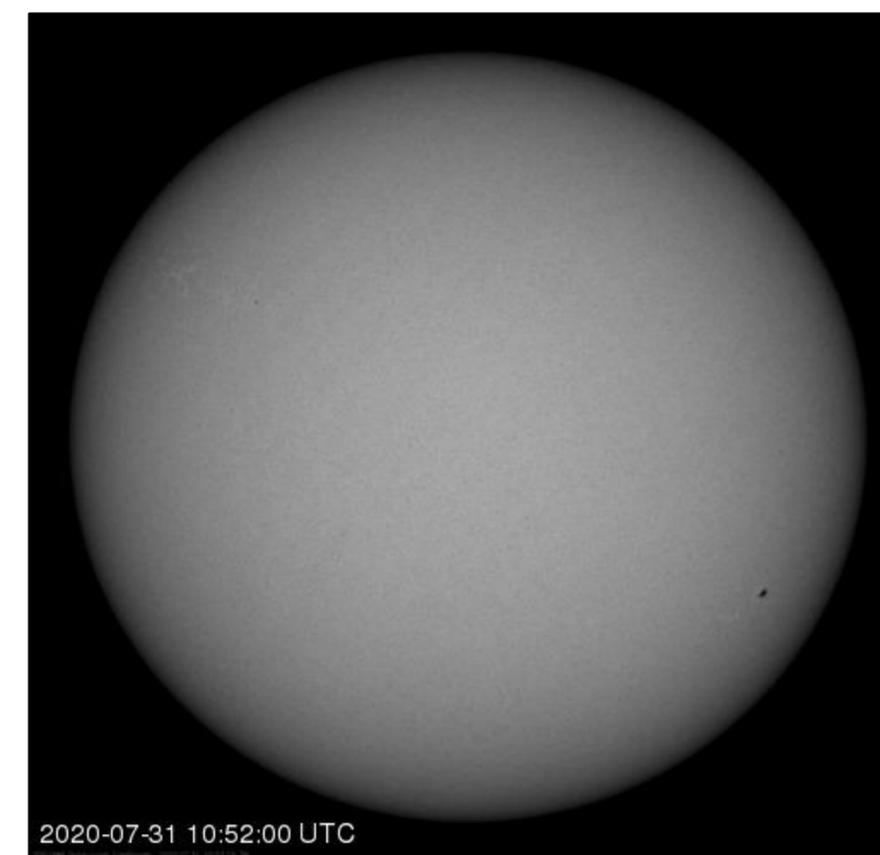
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	Friday	Saturday	Sunday
<b>Geomagnetic Storms</b>	Quiet (Max Kp = 2)	Quiet to Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[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).**