



FEMA



Prepared by
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Friday July 17, 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.



- **Dangerous heat continues across parts of the Region with a relative “cool down” by the weekend.**
- **Marginal risk of flash flooding over NE AR today and over N NM on Sunday.**

FEMA Region 6 Threat Matrix



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Jul 17, 2020 - Jul 21, 2020

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

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
-	

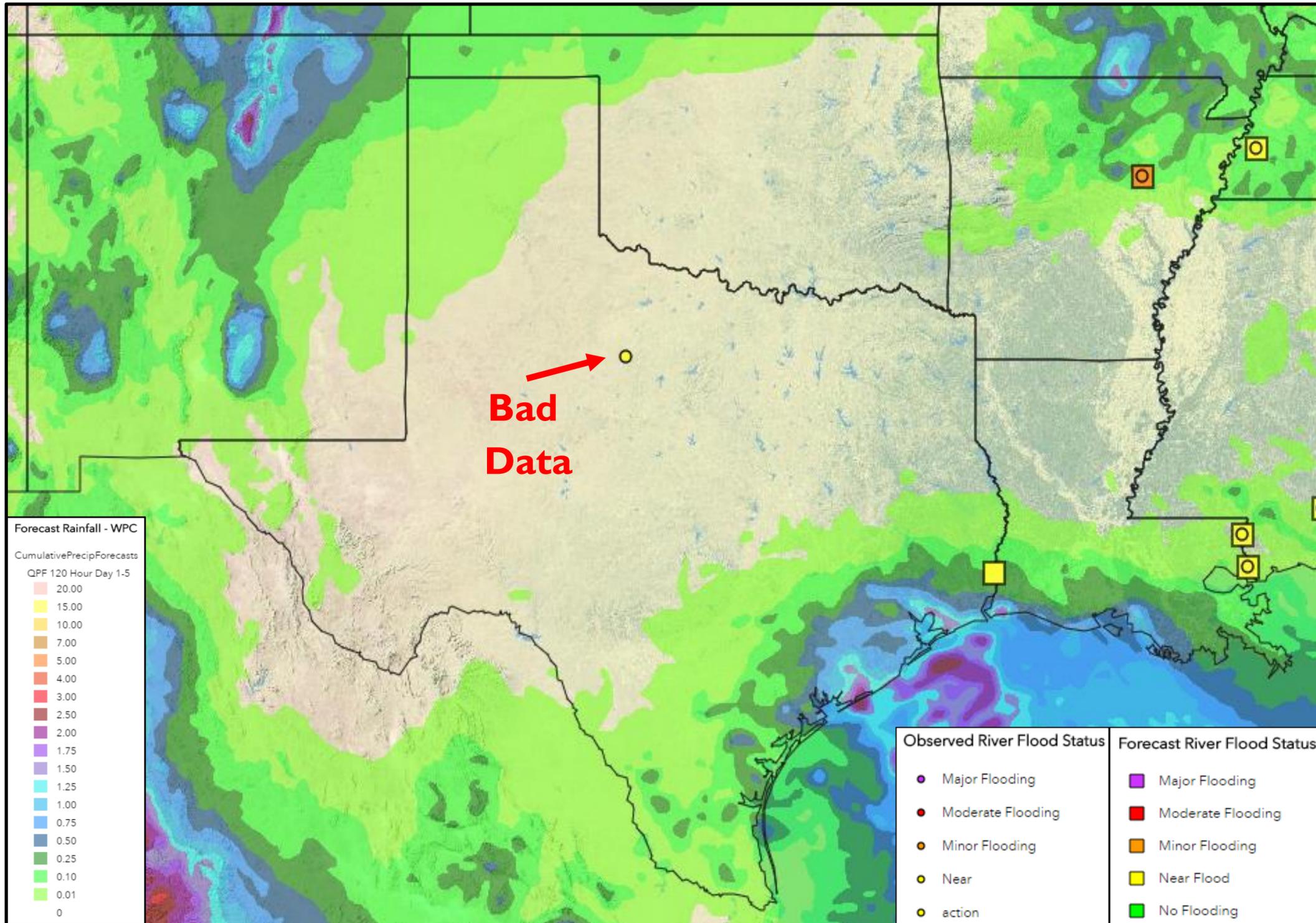


5-Day Precipitation Forecast & River Flood Status



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



The White River near Augusta in NE AR remains in minor flood stage through next week, with seasonal agricultural impacts.

No additional flooding is expected due to the forecast rainfall the next 5 days.

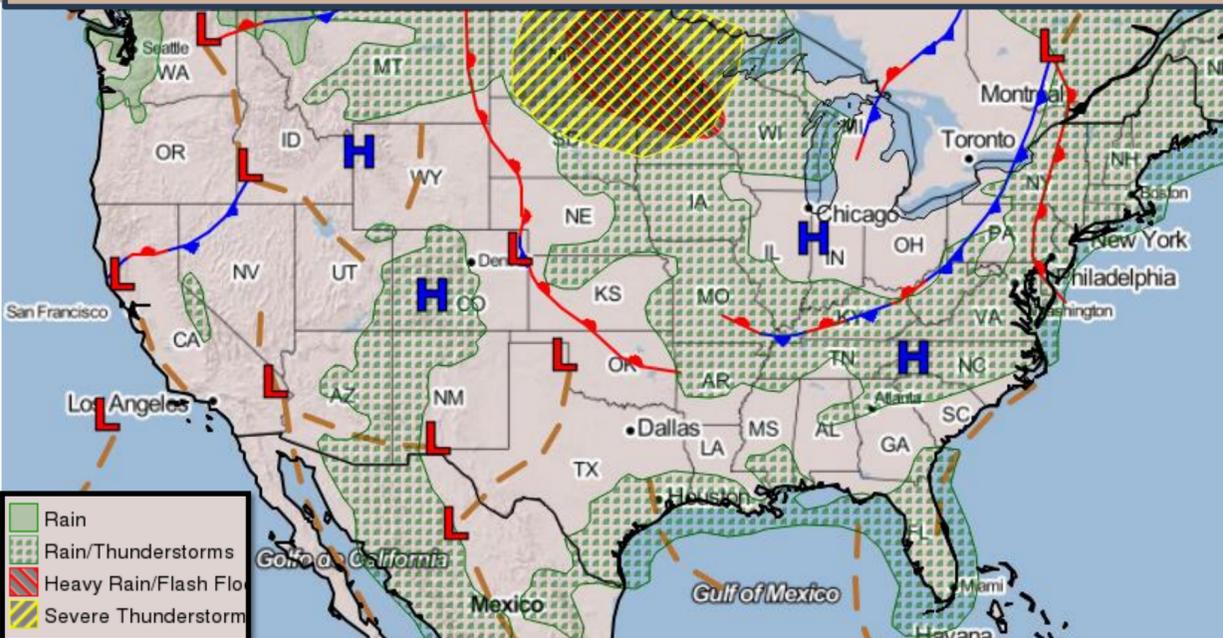
Today's Weather



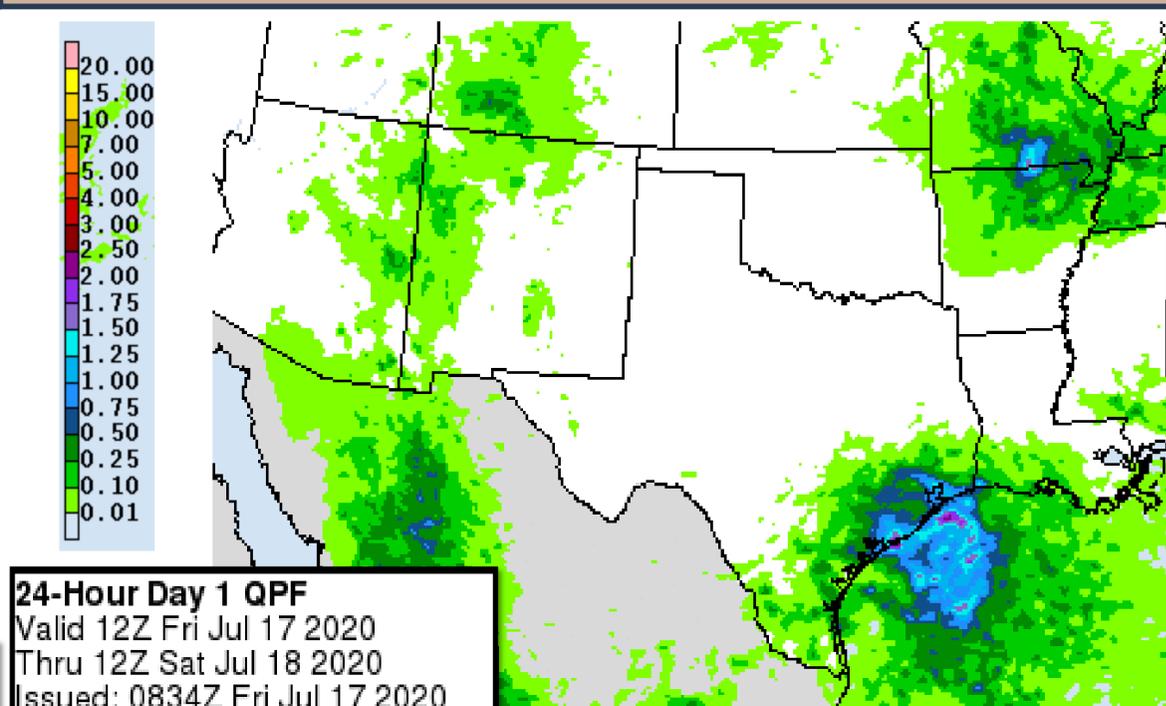
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Forecast Chart

Forecast Rainfall



Weather Valid 8am EDT Fri Jul 17 2020 to 8am EDT Sat Jul 18 2020
Fronts Valid 8am EDT Fri Jul 17 2020
Issued 4:27 AM EDT Fri, Jul 17, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Gallina with WPC/SPC/NHC forecasts.



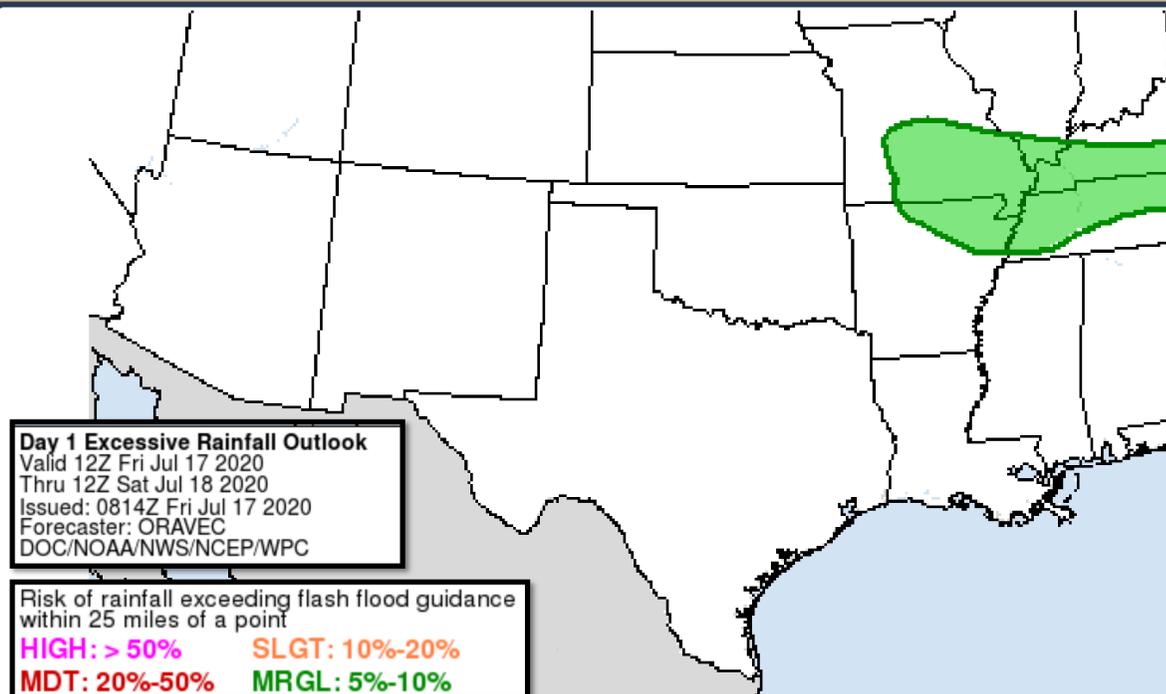
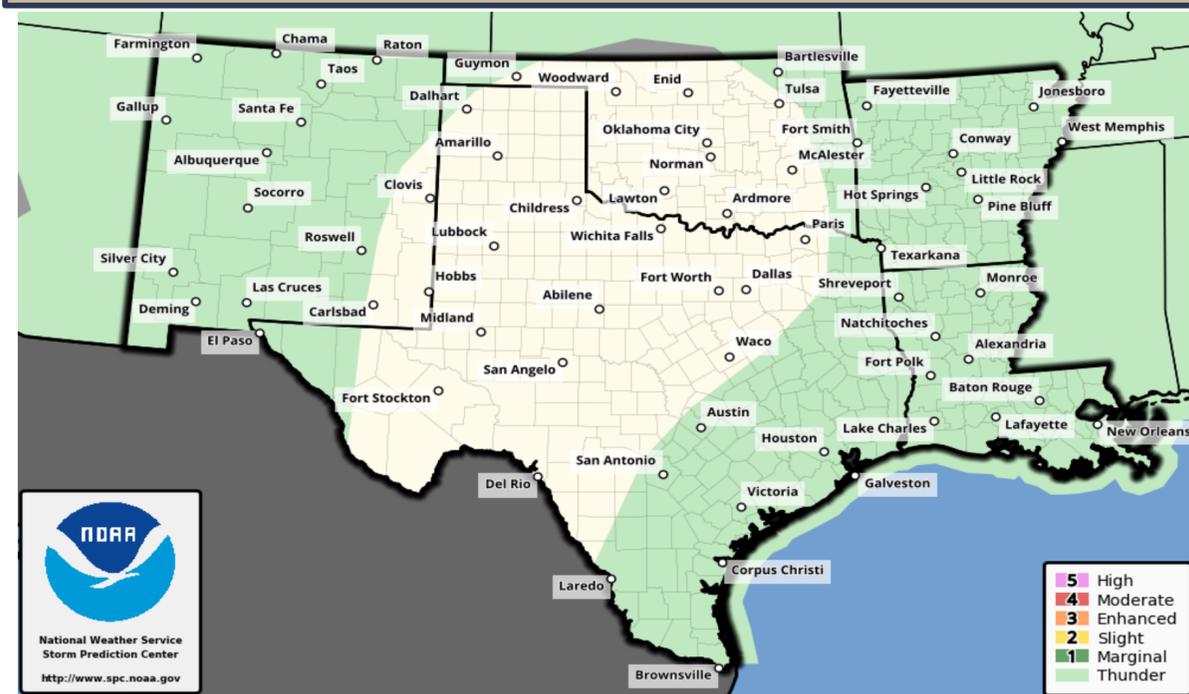
24-Hour Day 1 QPF
Valid 12Z Fri Jul 17 2020
Thru 12Z Sat Jul 18 2020
Issued: 0834Z Fri Jul 17 2020

**Dangerous heat continues for
OK/NW TX/W AR.**

**Marginal risk of flash flooding
over NE AR.**

Severe Weather Outlook

Excessive Rainfall Outlook



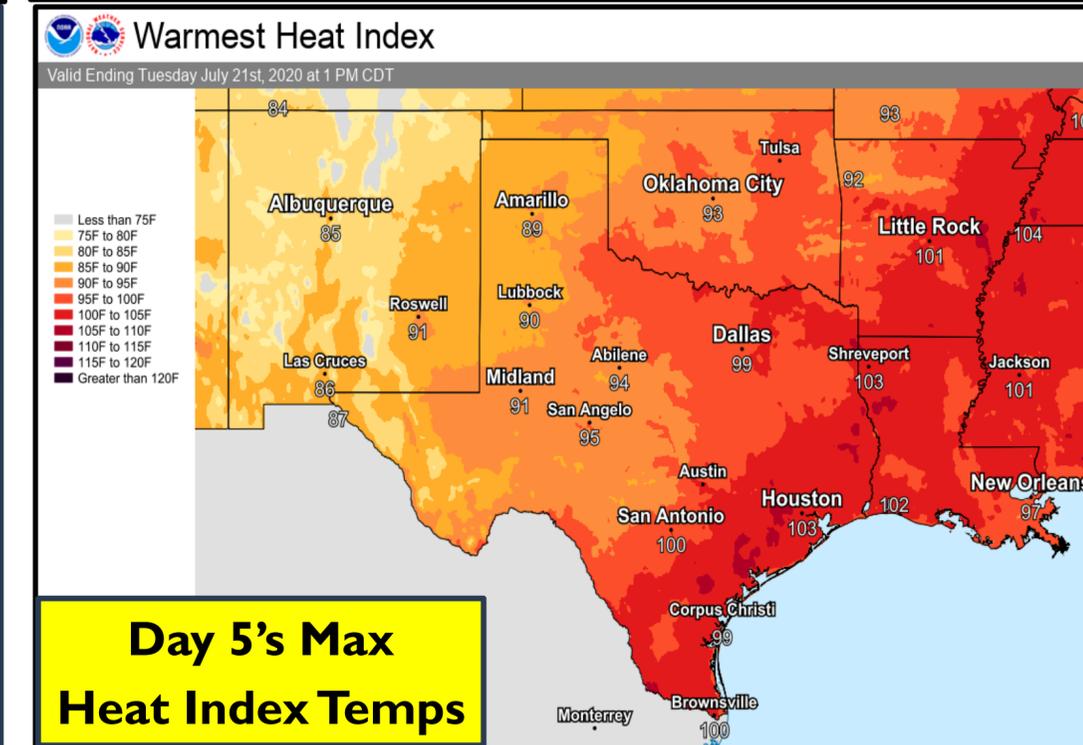
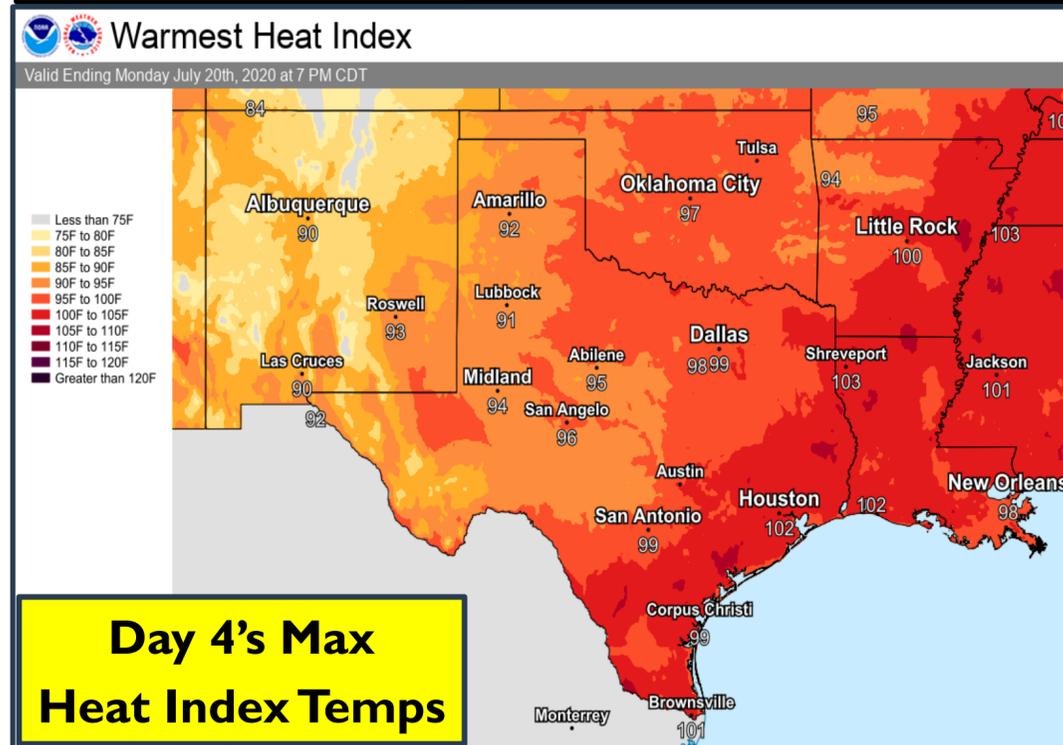
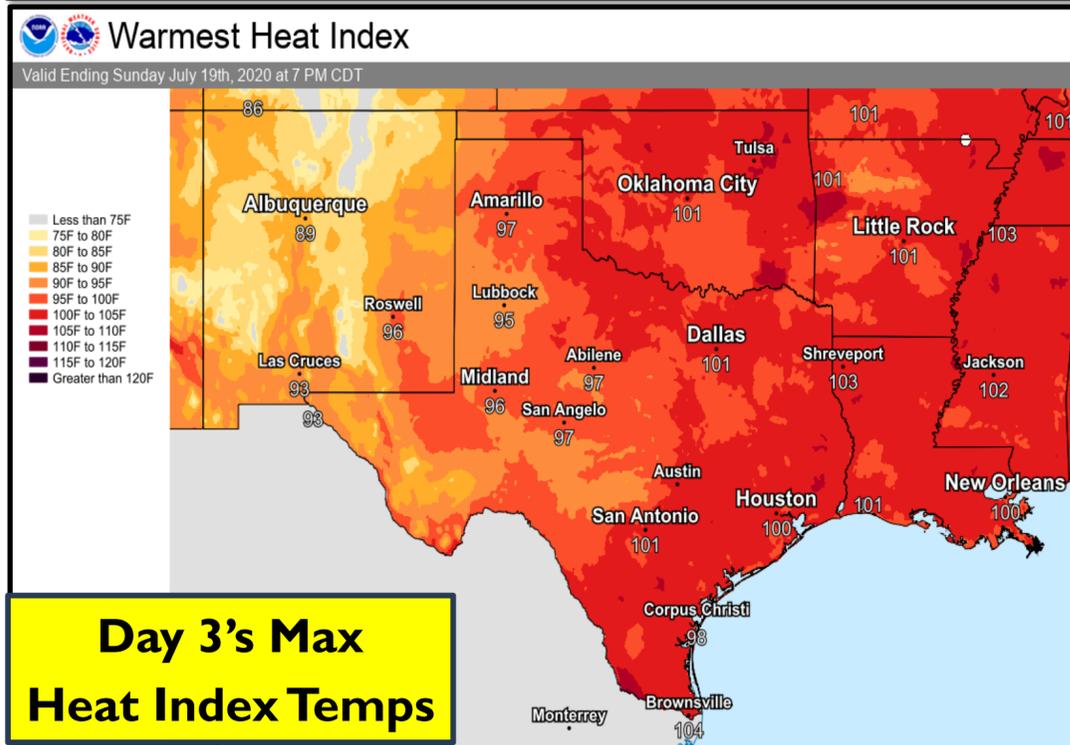
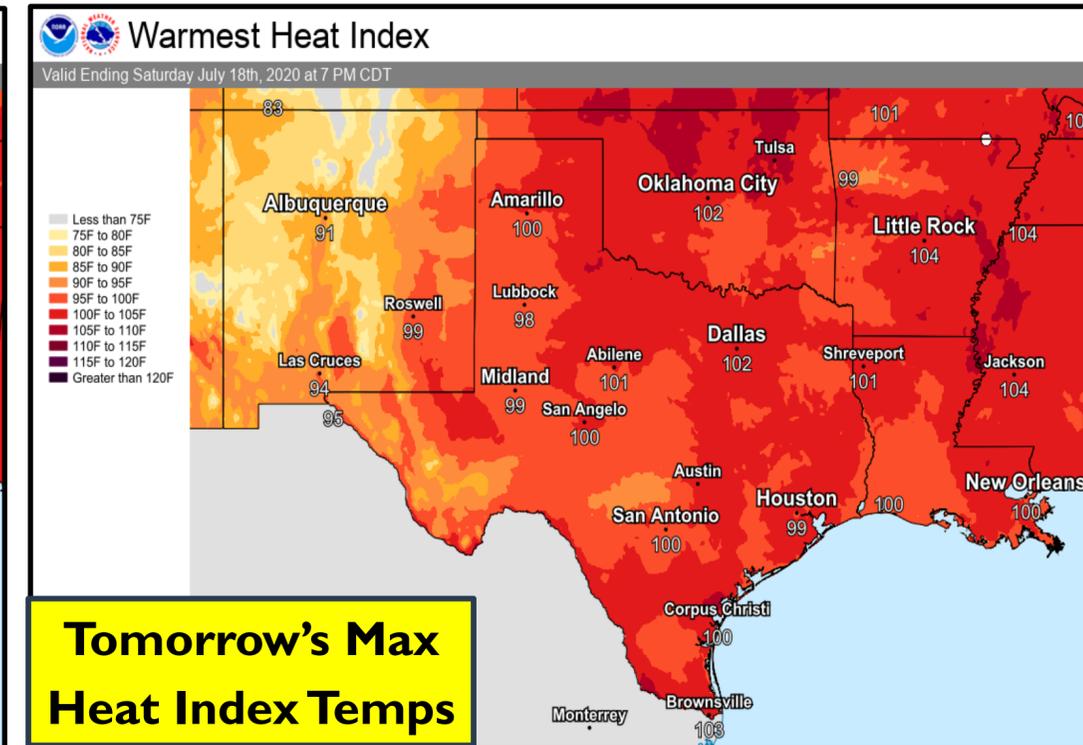
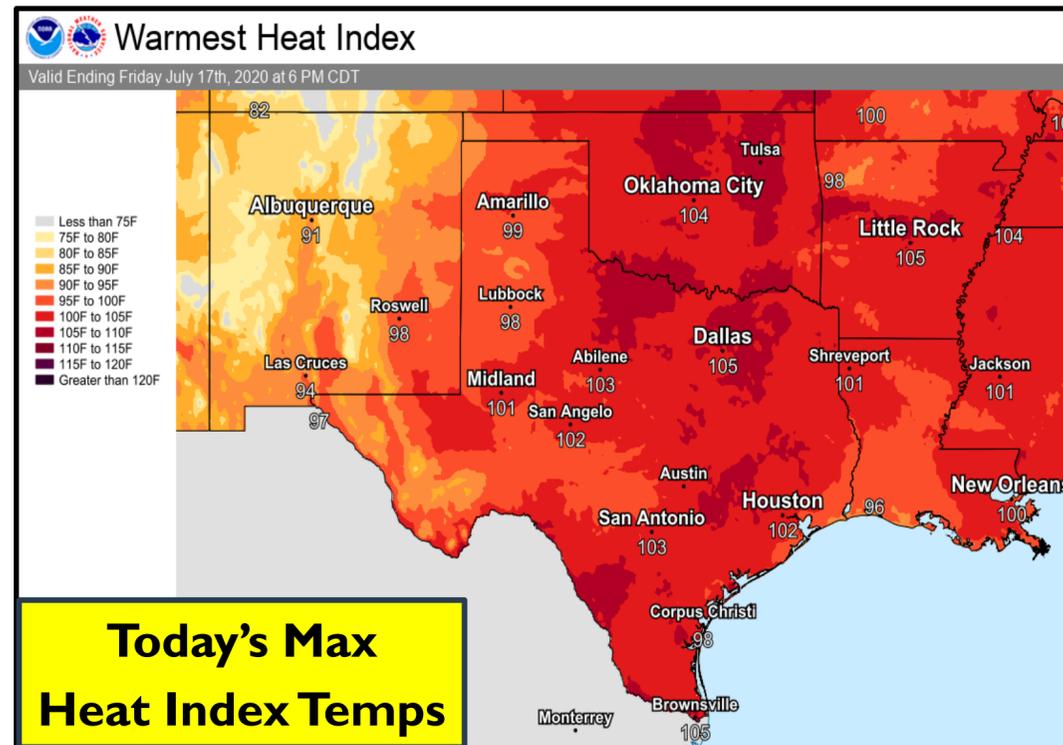
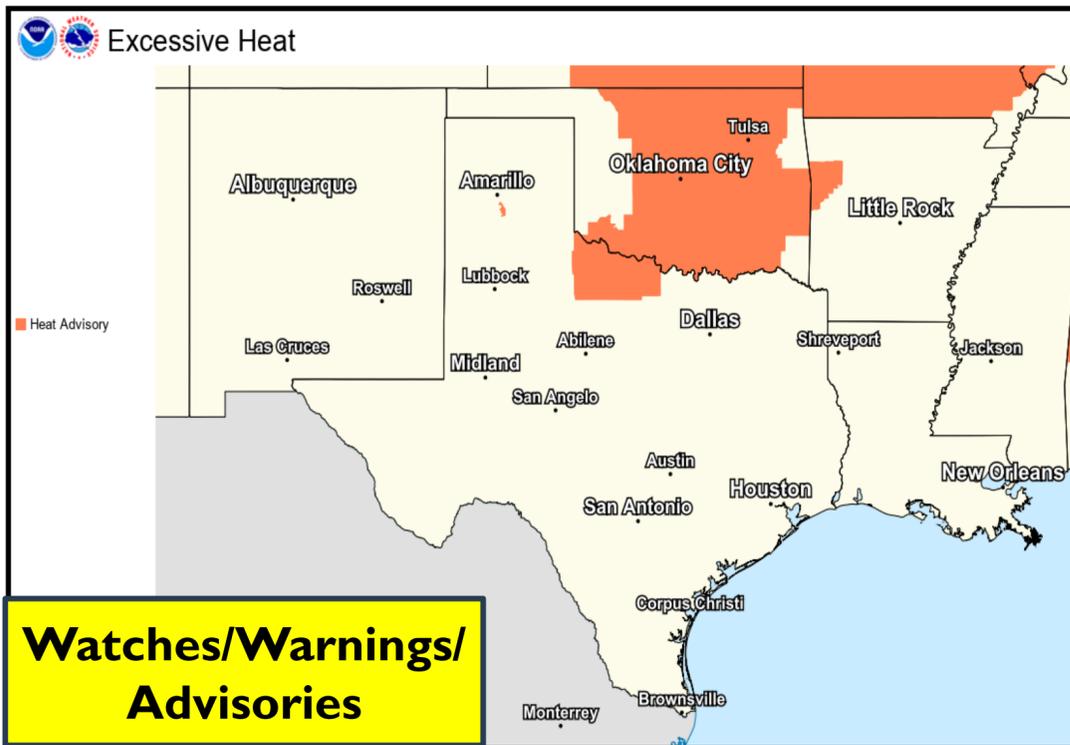
Day 1 Excessive Rainfall Outlook
Valid 12Z Fri Jul 17 2020
Thru 12Z Sat Jul 18 2020
Issued: 0814Z Fri Jul 17 2020
Forecaster: ORAVEC
DOC/NOAA/NWS/NCEP/WPC

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

Excessive Heat Outlook



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Tomorrow's Weather

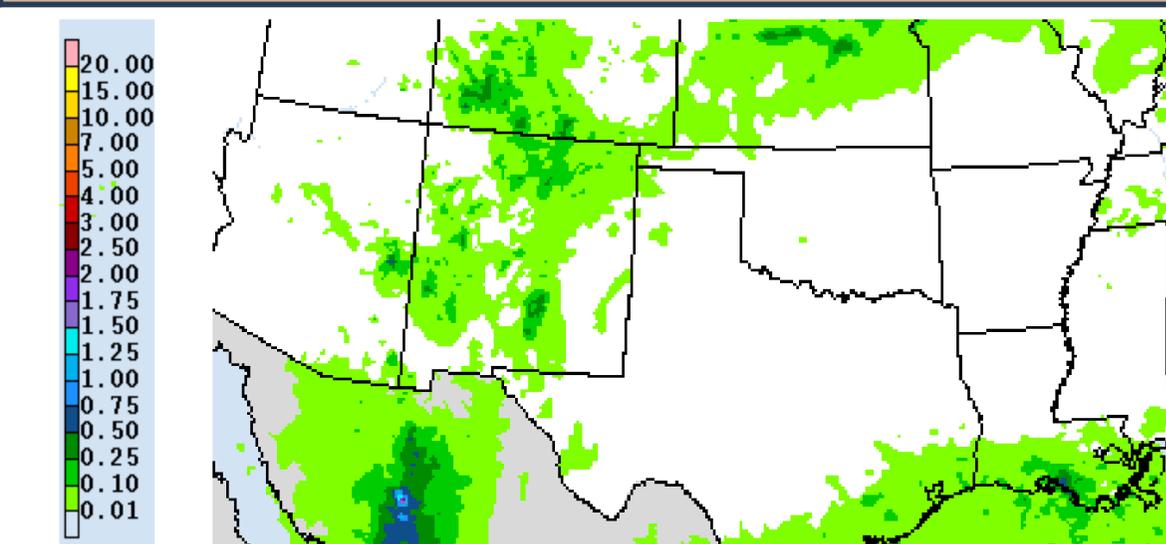
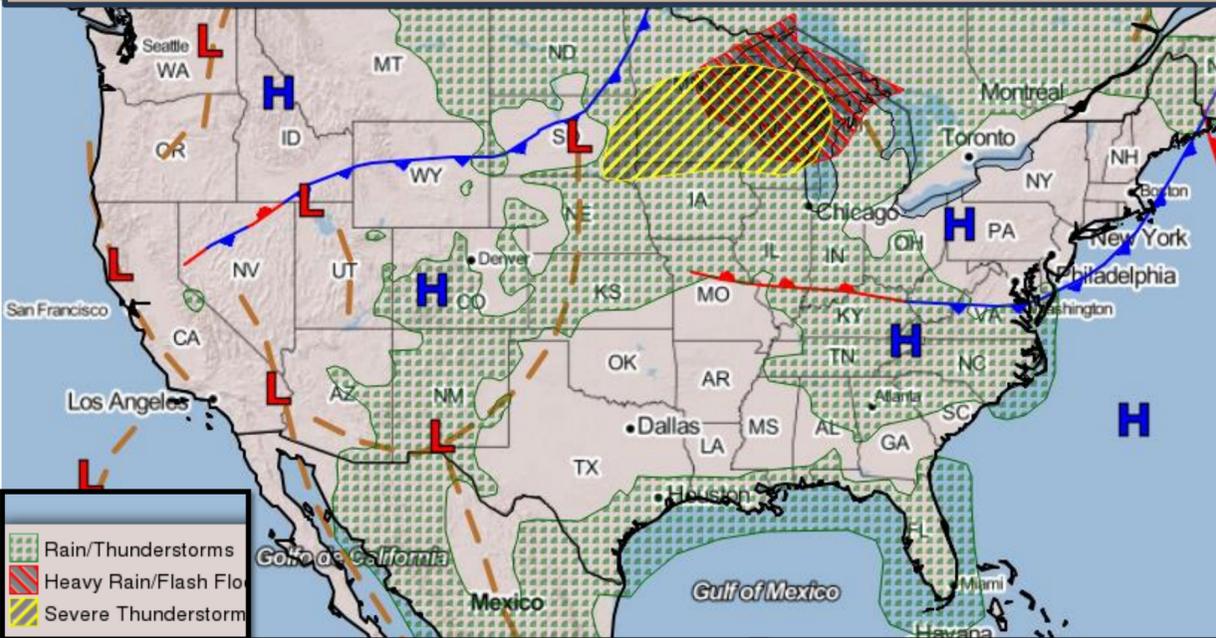


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Forecast Chart

Forecast Rainfall

No significant weather expected.

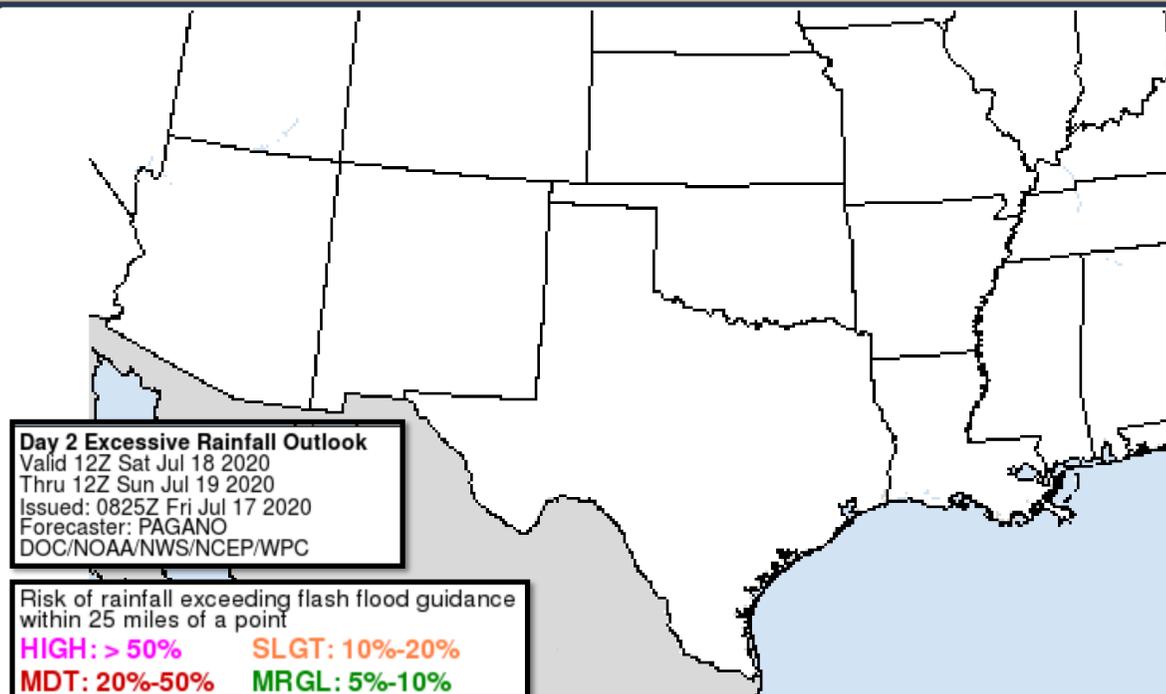
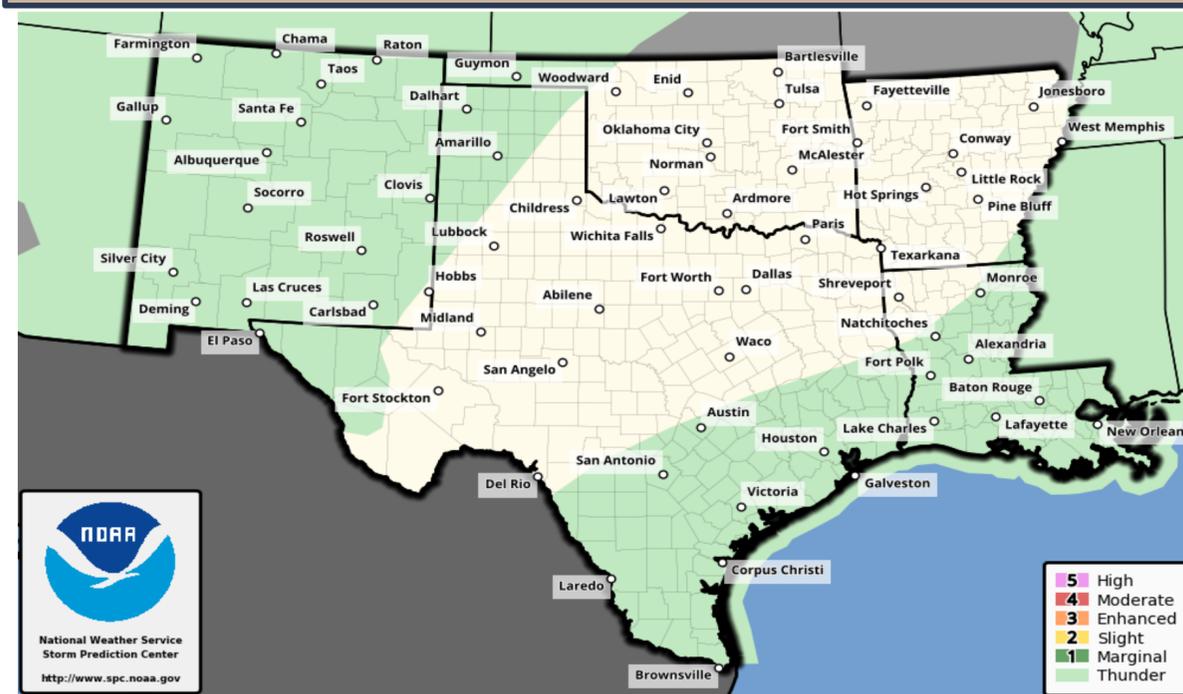


Weather Valid 8am EDT Sat Jul 18 2020 to 8am EDT Sun Jul 19 2020
Fronts Valid 8am EDT Sat Jul 18 2020
Issued 4:28 AM EDT Fri, Jul 17, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Gallina with WPC/SPC/NHC forecasts.

24-Hour Day 2 QPF
Valid 12Z Sat Jul 18 2020
Thru 12Z Sun Jul 19 2020
Issued: 0737Z Fri Jul 17 2020

Severe Weather Outlook

Excessive Rainfall Outlook



Day 2 Excessive Rainfall Outlook
Valid 12Z Sat Jul 18 2020
Thru 12Z Sun Jul 19 2020
Issued: 0825Z Fri Jul 17 2020
Forecaster: PAGANO
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%**

Sunday's Weather

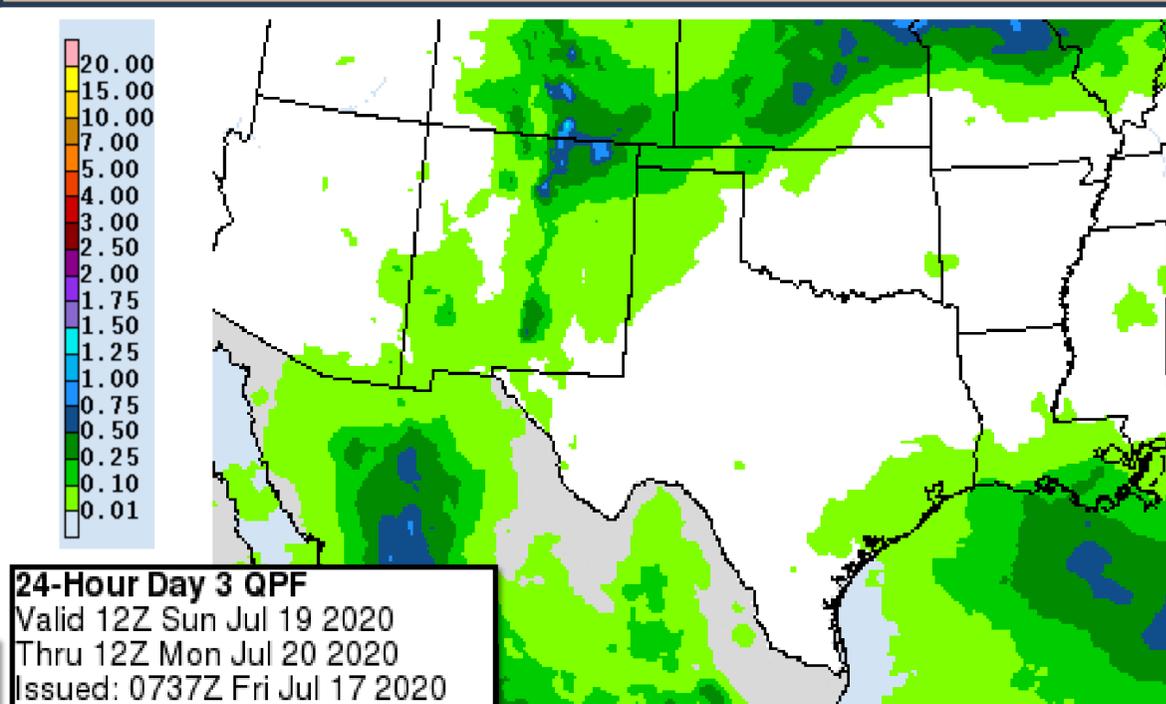
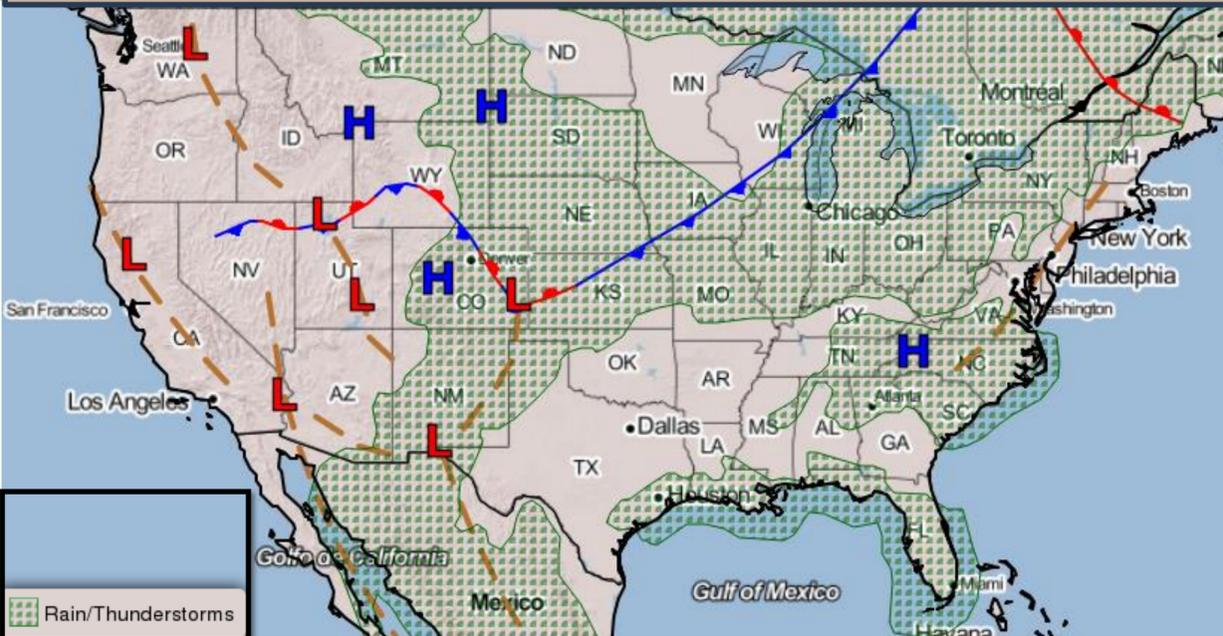


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Forecast Chart

Forecast Rainfall

Marginal risk of flash flooding over N NM.

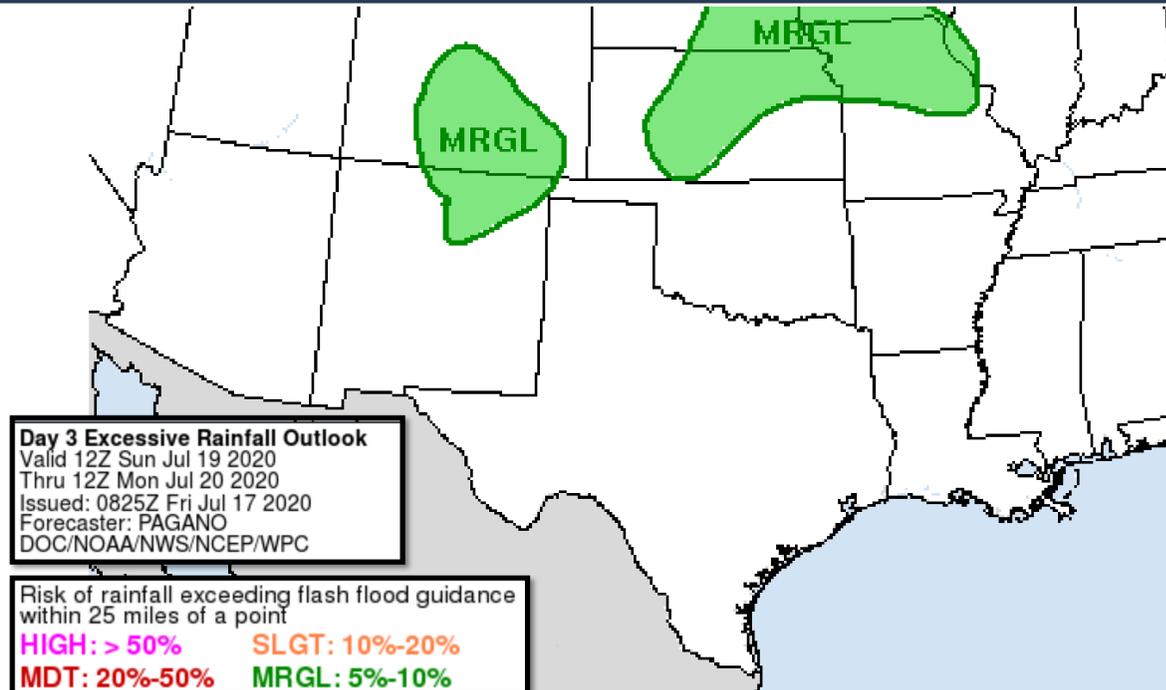
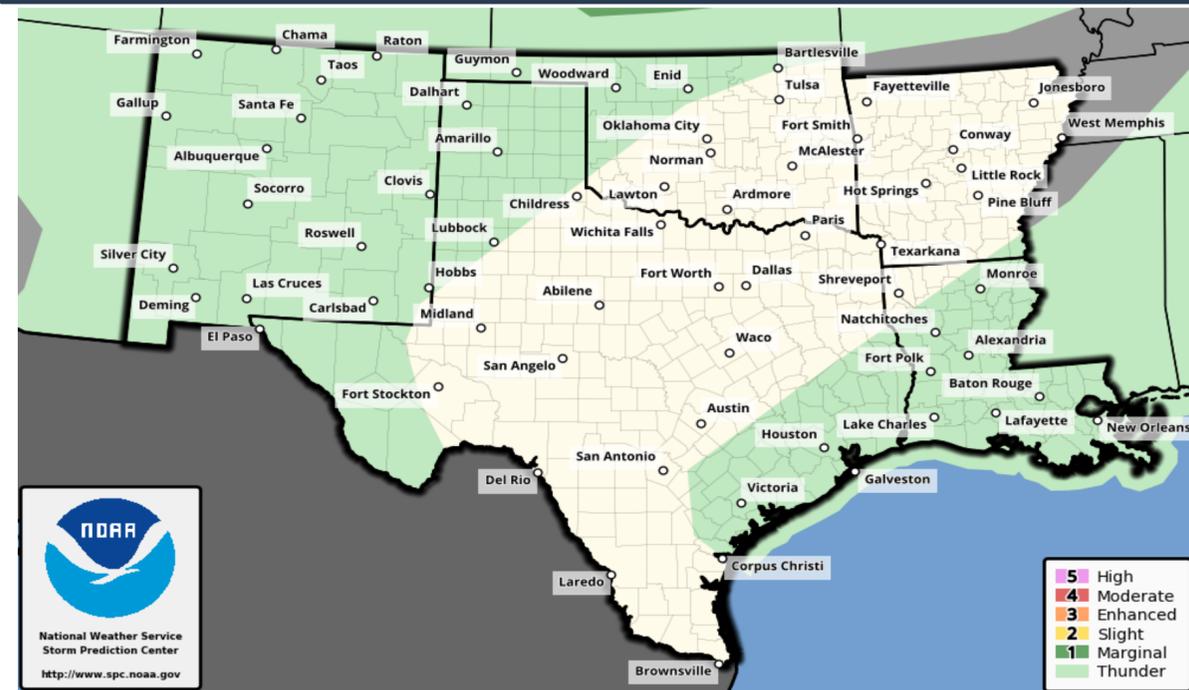


Weather Valid 8am EDT Sun Jul 19 2020 to 8am EDT Mon Jul 20 2020
Fronts Valid 8am EDT Sun Jul 19 2020
Issued 4:29 AM EDT Fri, Jul 17, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Gallina with WPC/SPC/NHC forecasts.

24-Hour Day 3 QPF
Valid 12Z Sun Jul 19 2020
Thru 12Z Mon Jul 20 2020
Issued: 0737Z Fri Jul 17 2020

Severe Weather Outlook

Excessive Rainfall Outlook



Day 3 Excessive Rainfall Outlook
Valid 12Z Sun Jul 19 2020
Thru 12Z Mon Jul 20 2020
Issued: 0825Z Fri Jul 17 2020
Forecaster: PAGANO
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%



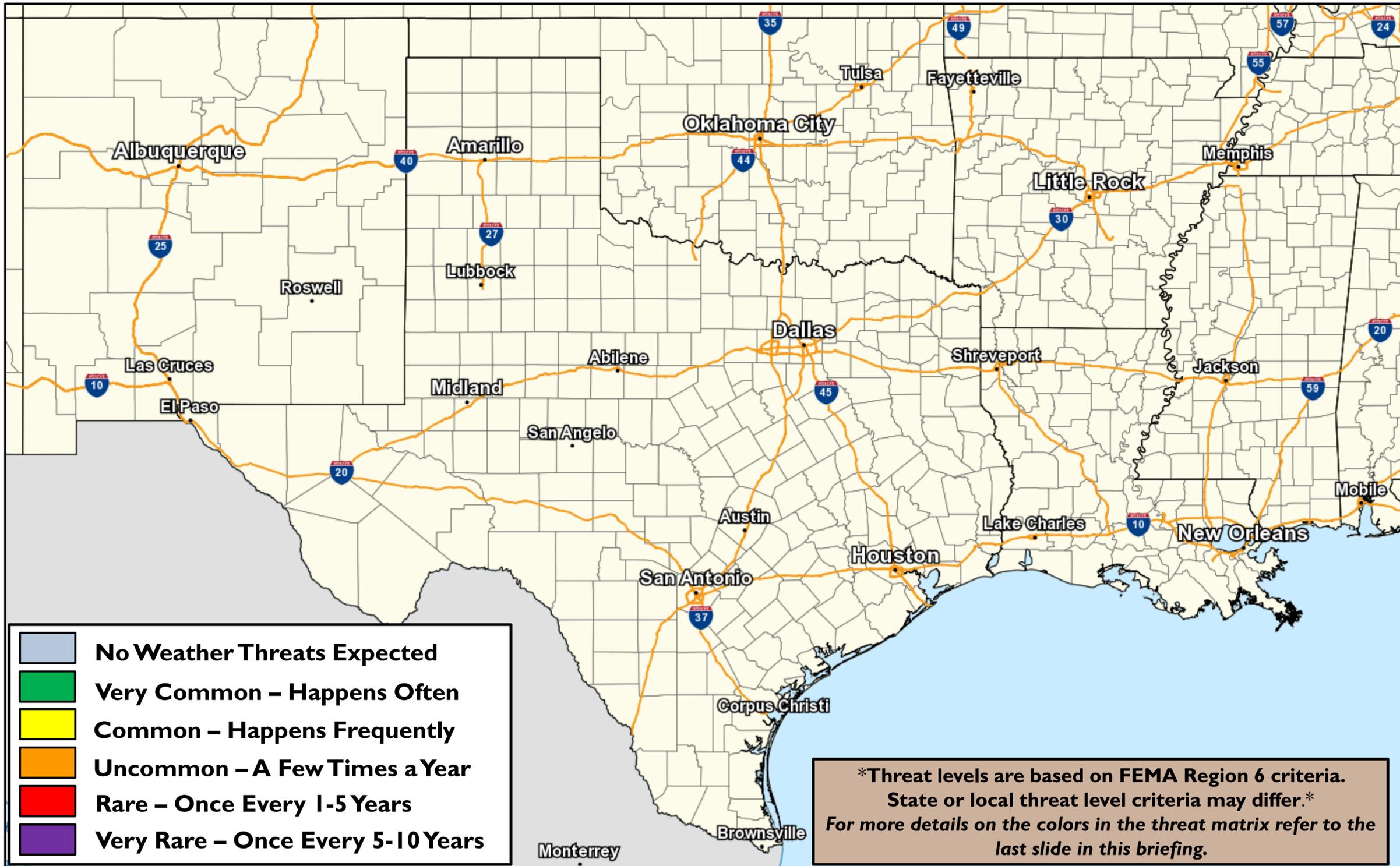
Days 4-5 Weather Hazards

Monday - Tuesday



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No significant weather expected.

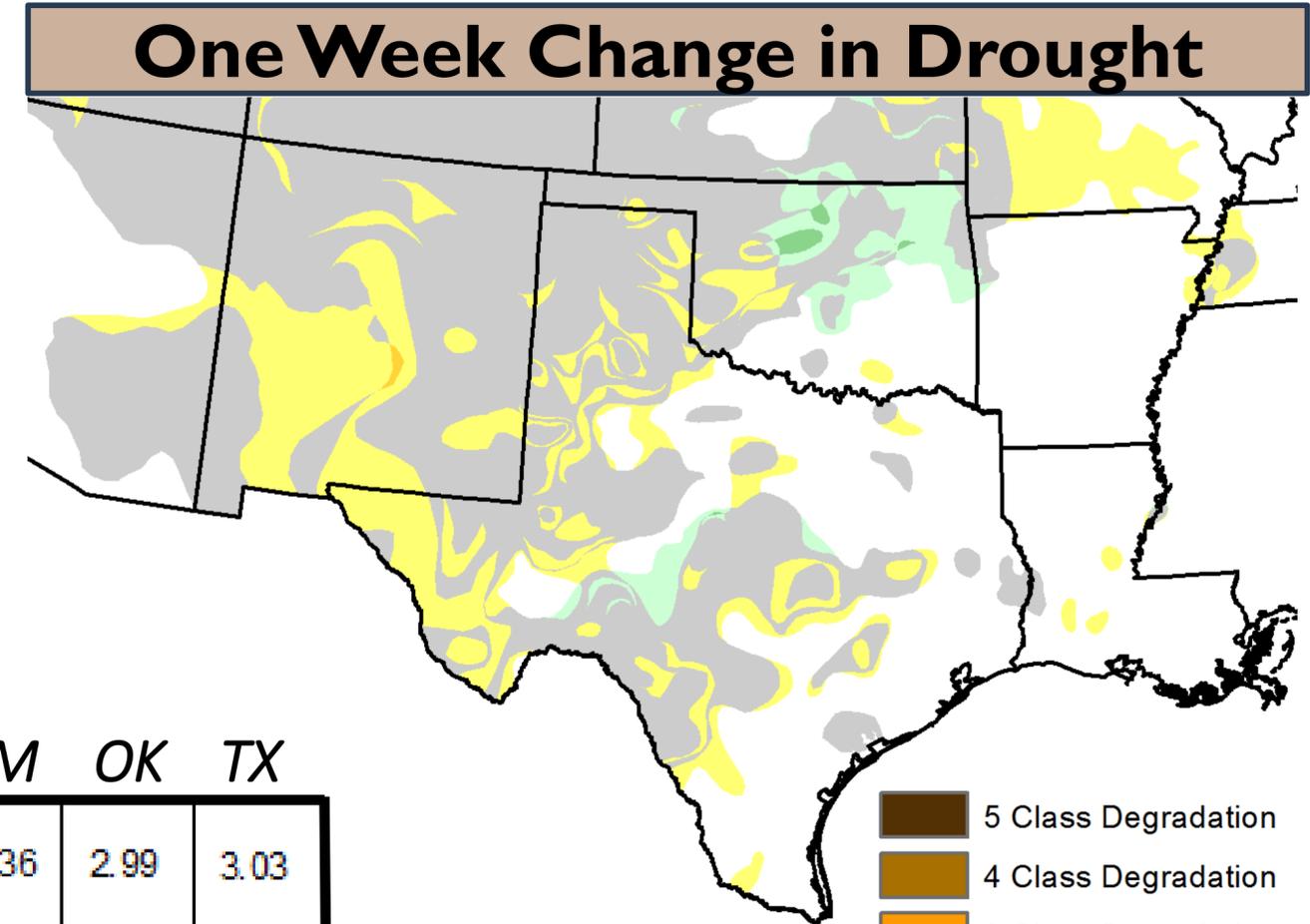
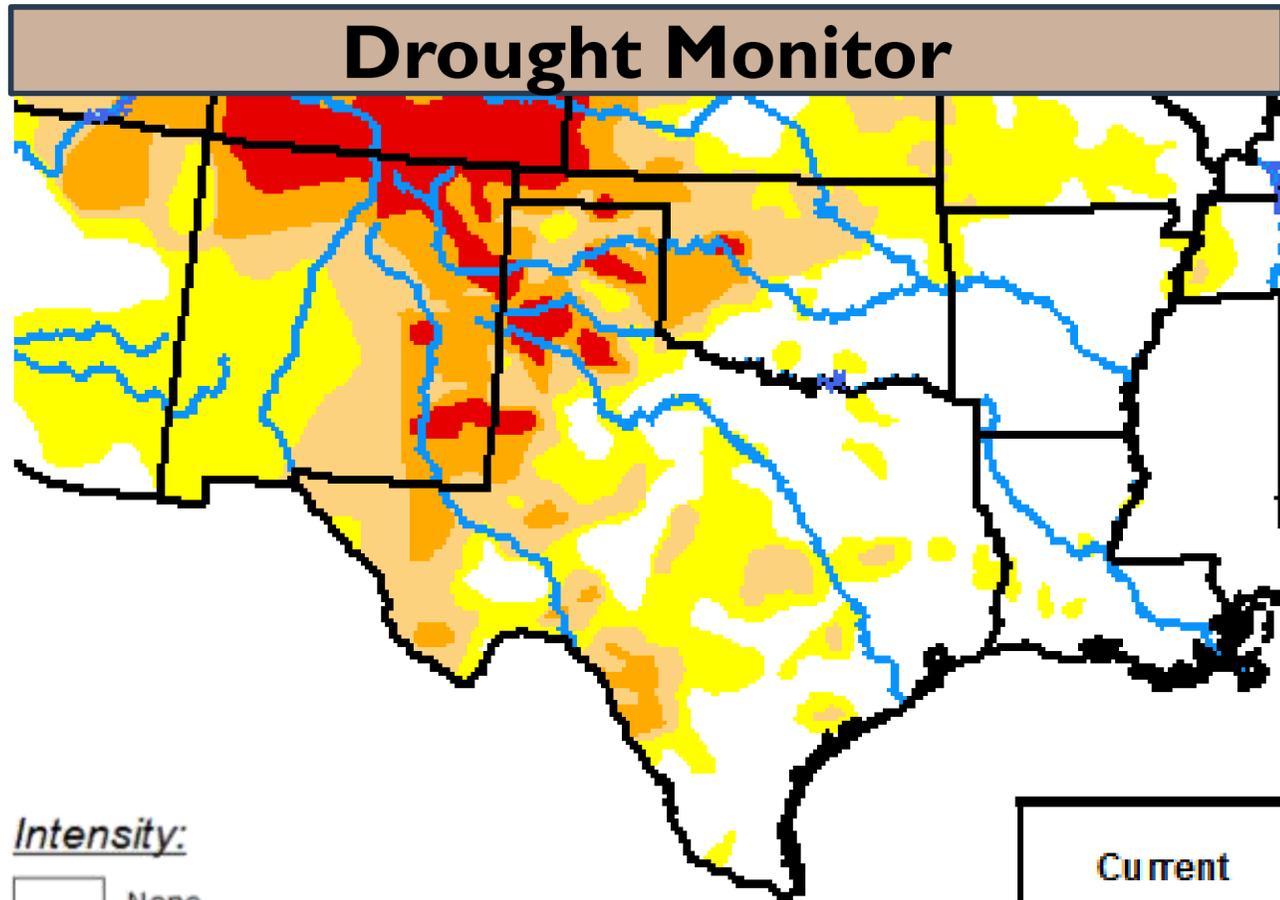


Drought Monitor (Released Jul 16, 2020)



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Data valid as of 8 am ET on Tuesday, July 14, 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
Current	0.00	0.00	15.36	2.99	3.03
Last Week <i>07-07-2020</i>	0.00	0.00	11.17	3.74	2.23
3 Months Ago <i>04-14-2020</i>	0.00	0.00	0.00	0.00	1.80
One Year Ago <i>07-16-2019</i>	0.00	0.00	0.00	0.00	0.00

Drought Conditions (Percent Area)

D3-D4 (Extreme to Exceptional Drought)

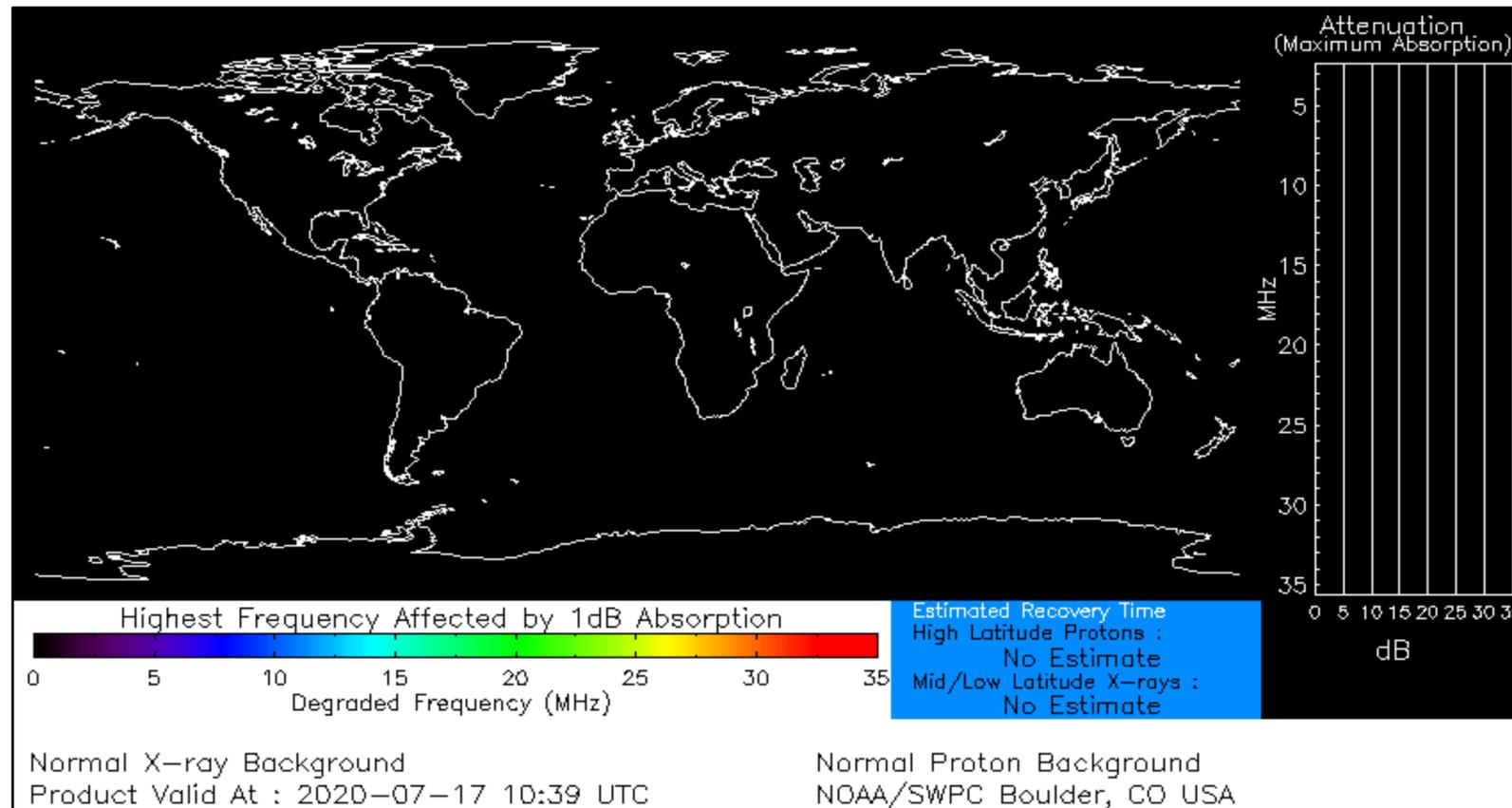
- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

Space Weather 3-Day Forecast



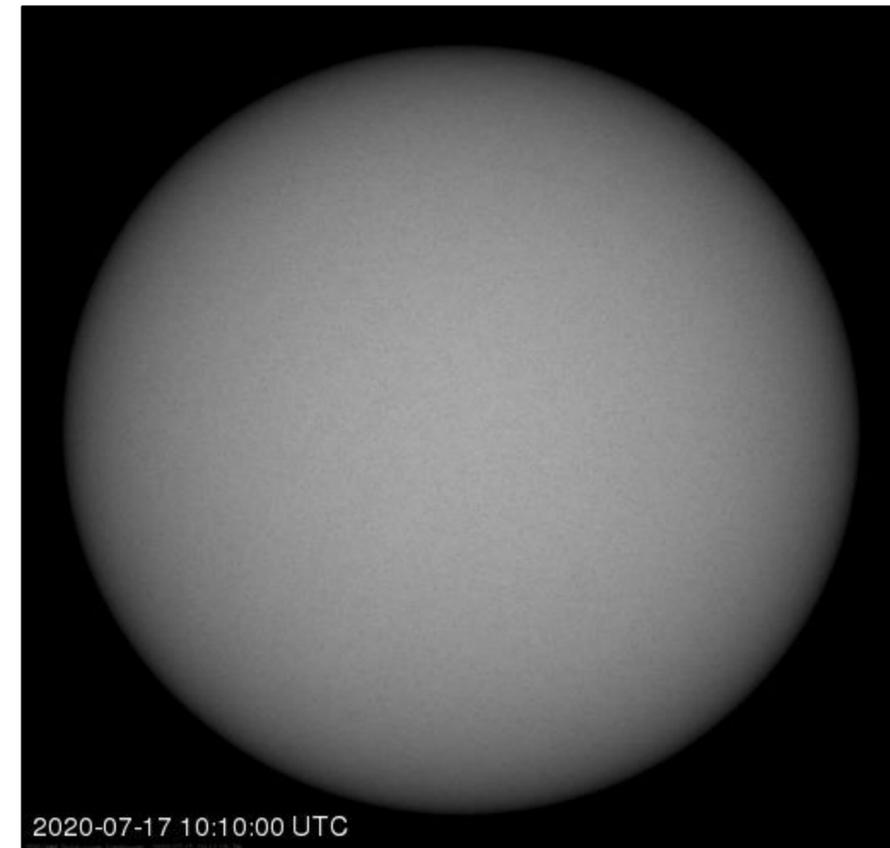
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	Friday	Saturday	Sunday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[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

Web: <http://www.weather.gov/srh>



Weather "Threat" Matrix

Color	Definition	Criteria	Example(s)
Green	<p style="text-align: center;">Very Common</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 <u>seabreeze</u> storms in coastal TX
Yellow	<p style="text-align: center;">Somewhat Common – Happens Frequently</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;">Uncommon – A Few Times a Year</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;">Rare – Once every 1-5 Years</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;">Very Rare – Once Every 5-10 Years</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.