



FEMA



Prepared by  
*Kurt Van Speybroeck*

# FEMA Region 6 Weather Threat Briefing

Sunday June 7, 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).



- **Tropical Storm Cristobal is 70 miles south of Grand Isle, LA and moving north at 12 mph.**
  - **Heavy rainfall/flash flooding for LA through Monday and for AR Monday into early Tuesday.**
  - **Tropical storm force winds are expected this morning along the LA Coast.**
  - **Storm surge flooding this morning into early Monday from the mouth of the MS River east to Ocean Springs, MS.**
- **Isolated tornadoes are possible across SE LA today and across parts of AR and NE LA Monday.**

# FEMA Region 6 Threat Matrix



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Jun 7, 2020 - Jun 11, 2020

DAY / THREAT	Sun	Mon	Tue	Wed	Thu
Severe Storms	SE LA	AR/LA	TX/AR/LA		
Heavy Rain / Flash Flooding	SE LA	N LA/AR			
Fire Weather	NM	NE NM TX/OK Panhandles			
Tropical Weather	LA				
Winter Weather					
River Flooding	AR/LA	AR/LA	AR/LA	AR/LA	AR/LA

	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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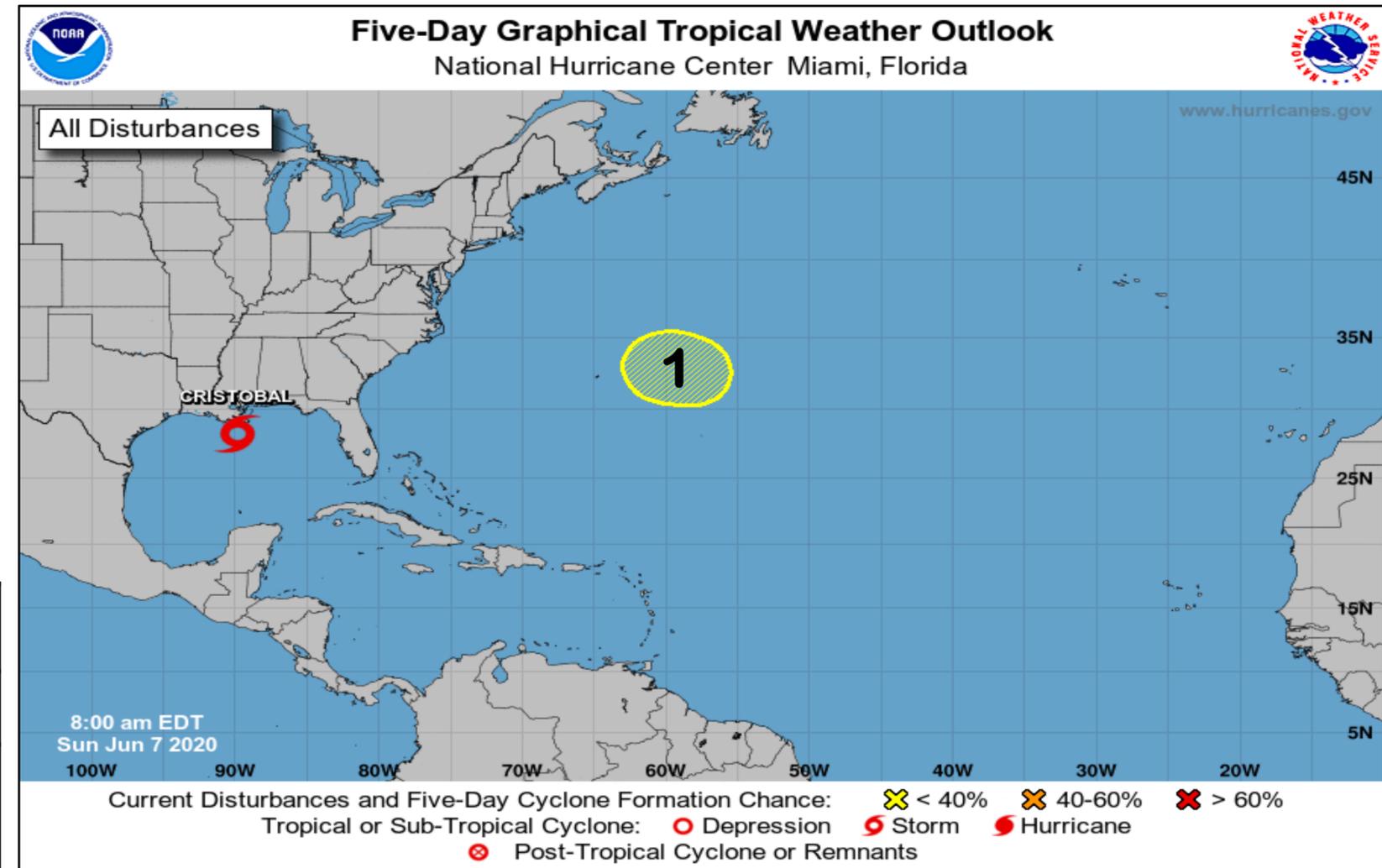
See next slide for more information

## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
I	Low	None

## Active Tropical Cyclones

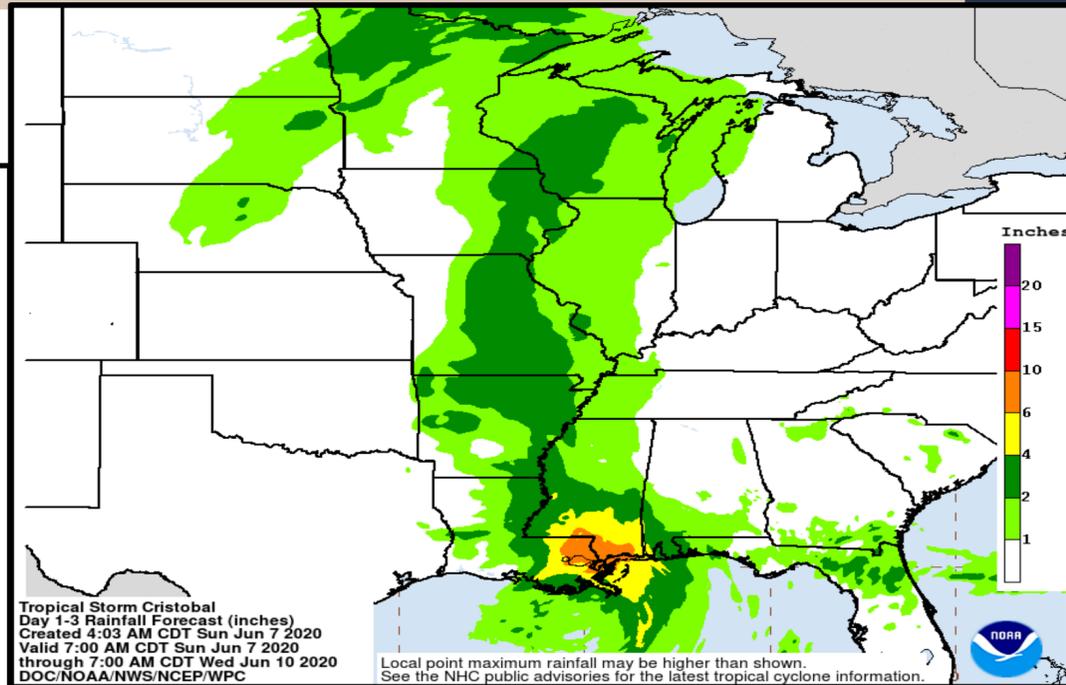
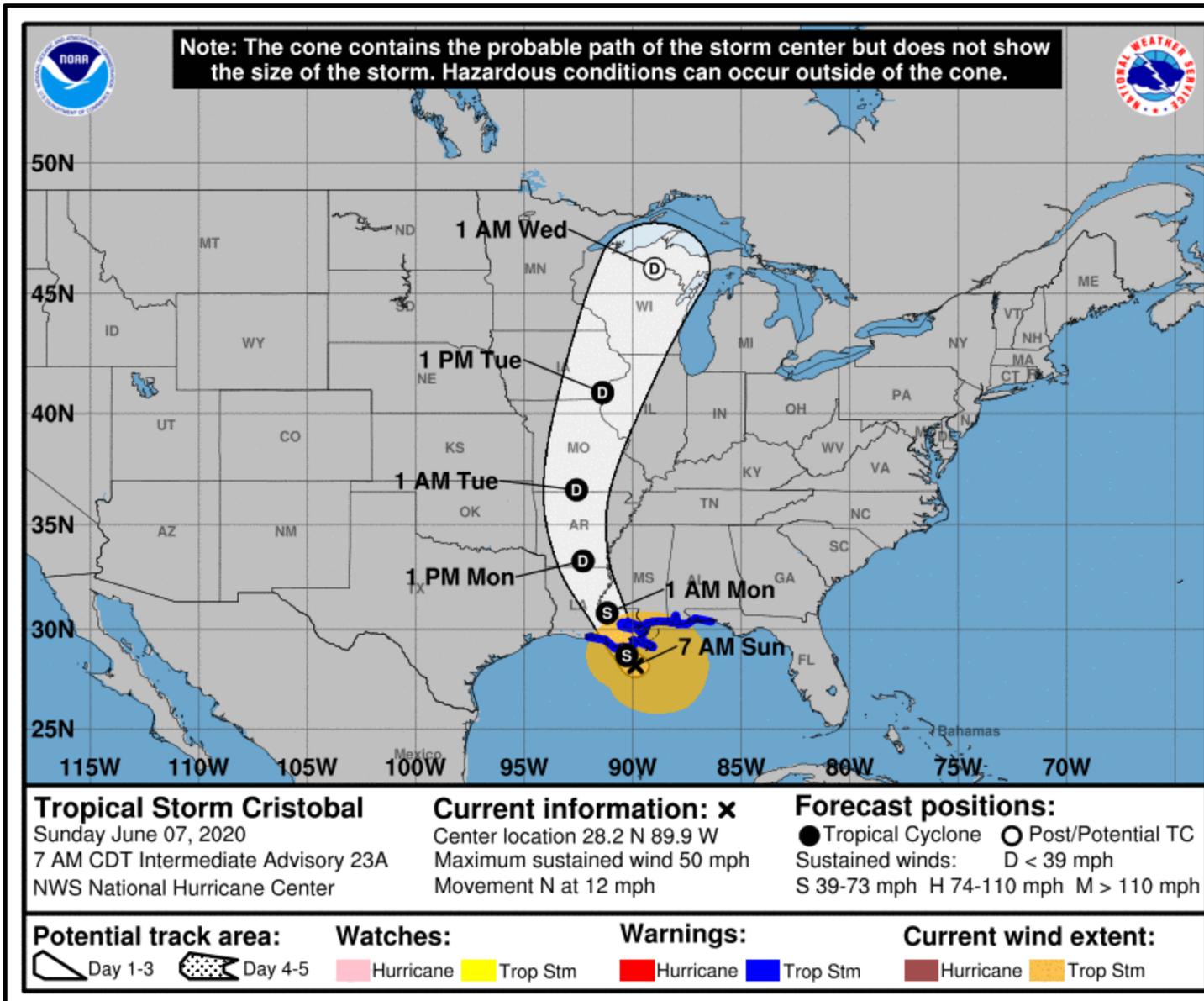
Storm	Potential Impacts to FEMA 6
<b>Cristobal</b>	<b>Heavy rainfall/flash flooding for LA through Monday and for AR Monday</b>



# Tropical Depression Cristobal

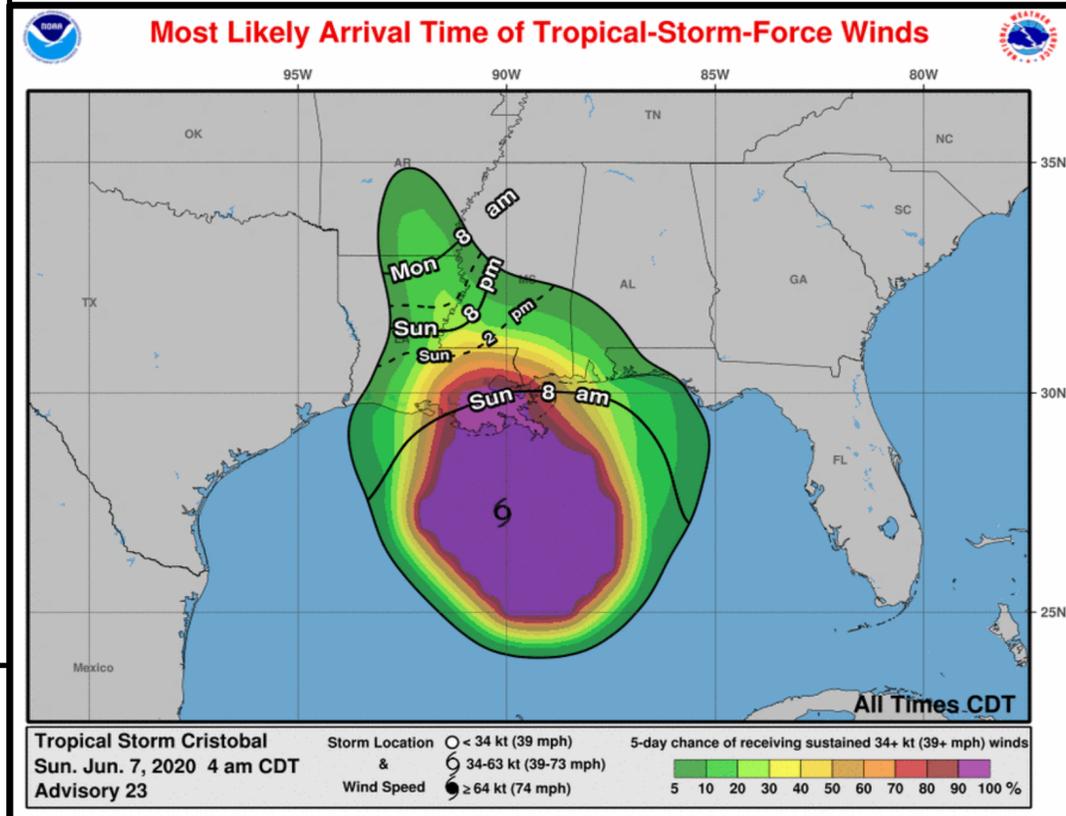


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**Heavy rainfall/flash flooding for LA through Monday. Heavy rain/flash flooding for AR on Monday.**

**Tropical storm force winds across S LA.**

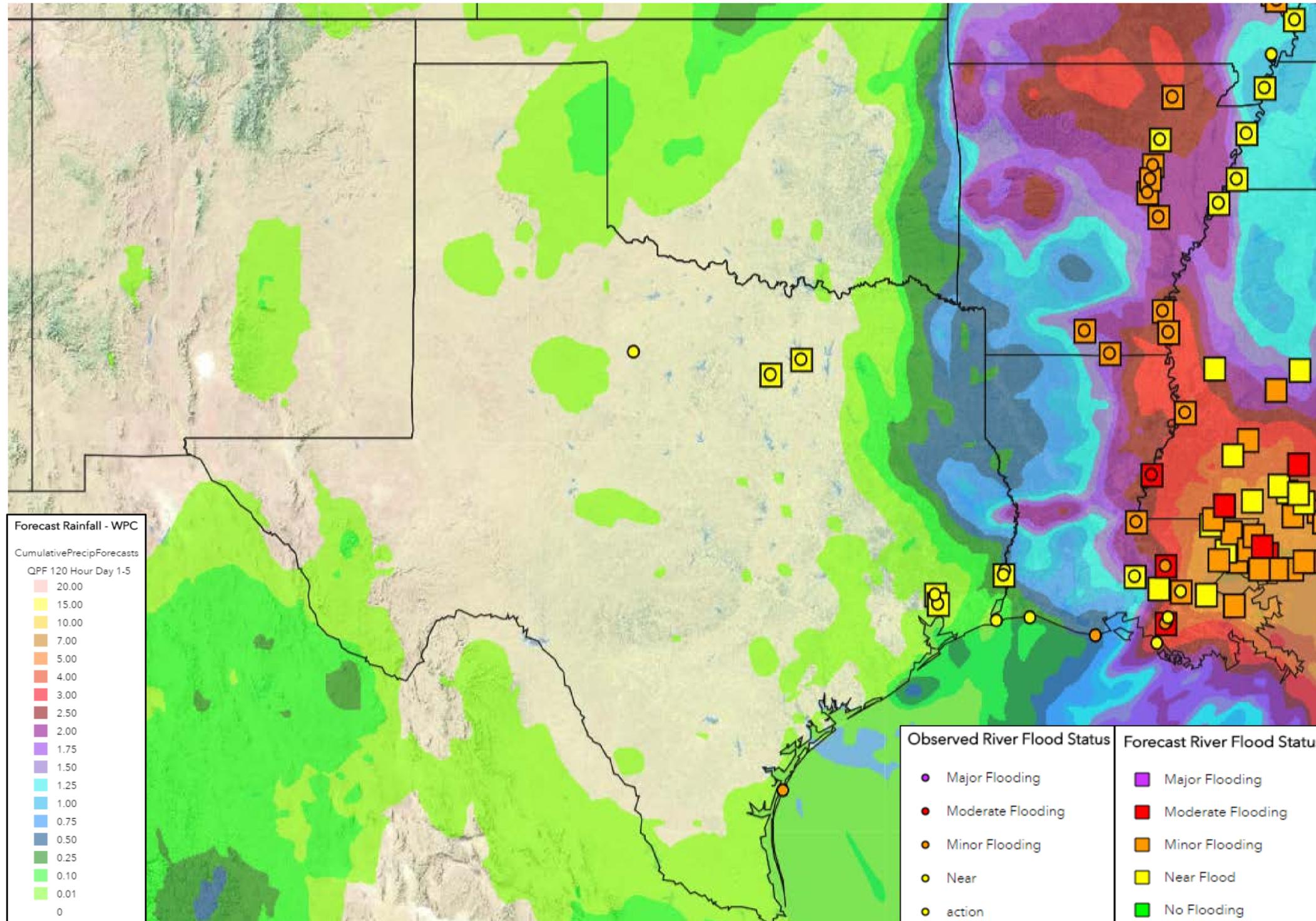


# 5-Day Precipitation Forecast & River Flood Status



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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 river flooding continues across AR/LA. Impacts are primarily to agriculture and secondary roads.**

### River Flooding from Cristobal

- **Rises of 1 to 3 feet are expected on the lower Mississippi River. Rises of 3 to 3 ½ feet are expected on the lower Atchafalaya River.**
- **Significant flooding will be possible on the smaller tributaries in Louisiana and Arkansas, especially where the heavier rainfall bands setup.**



# Tropical Storm Cristobal Inland Flood Risk



Issued: 11:30 UTC 07 June 2020 - Valid through 11:30 UTC June 12 2020

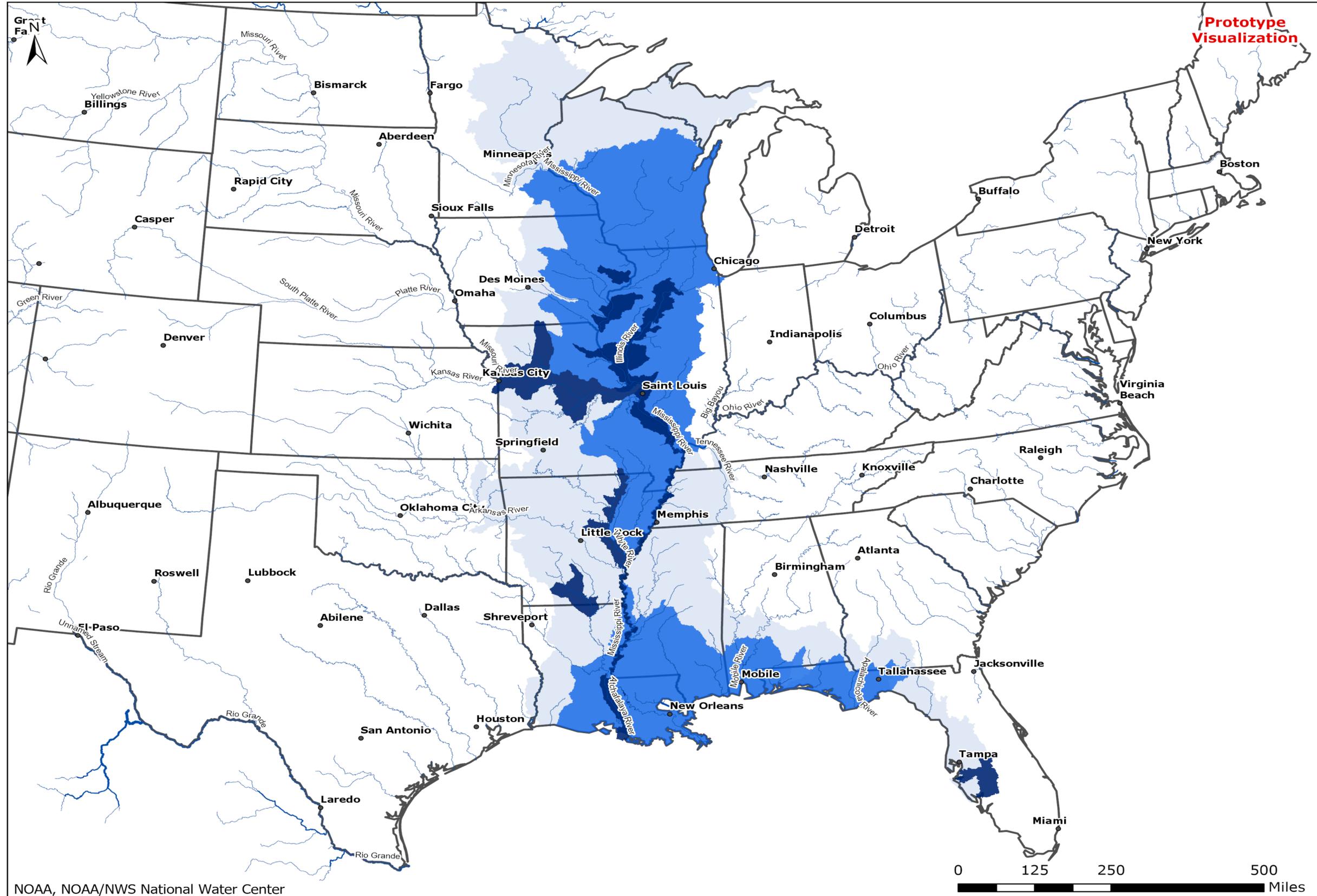
## Key Messages

- Heavy rainfall will continue to spread into portions of the Gulf Coast, from Florida to Louisiana, which will result in areas of flash flooding. New and renewed significant river flooding is possible along the central Gulf Coast and into the Lower Mississippi Valley; especially where the heavier rainfall bands materialize.
- As T.S. Cristobal continues to move inland, the risk of flash flooding and significant new and renewed river flooding increases across the Middle and Upper Mississippi River Valley. Remnant moisture from T.S. Cristobal will interact with a frontal system to produce heavy rainfall and potentially exacerbate ongoing river flooding across the region. However, uncertainty still remains with respect to the placement and magnitude of the heaviest rainfall axis.
- Interests from the Gulf Coast up into the Upper Mississippi River Valley should monitor progress of T.S. Cristobal and ensure they have their flood plan in place.



**Disclaimer:** This graphic is intended to provide a general outlook for inland flood risk. It is not intended to depict coastal flood risk due to storm surge. Please refer to the detailed products issued by local National Weather Service offices for official forecasts and warnings. [www.weather.gov](http://www.weather.gov)

Graphic Generated: 11:30 UTC 7 June 2020



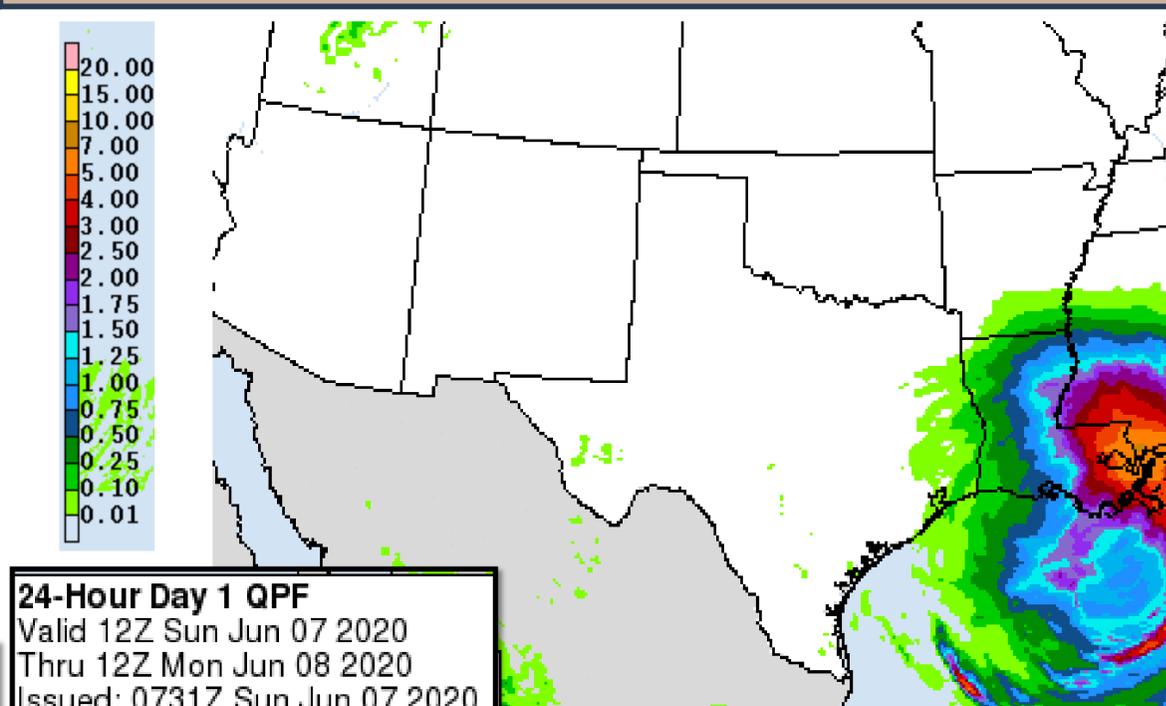
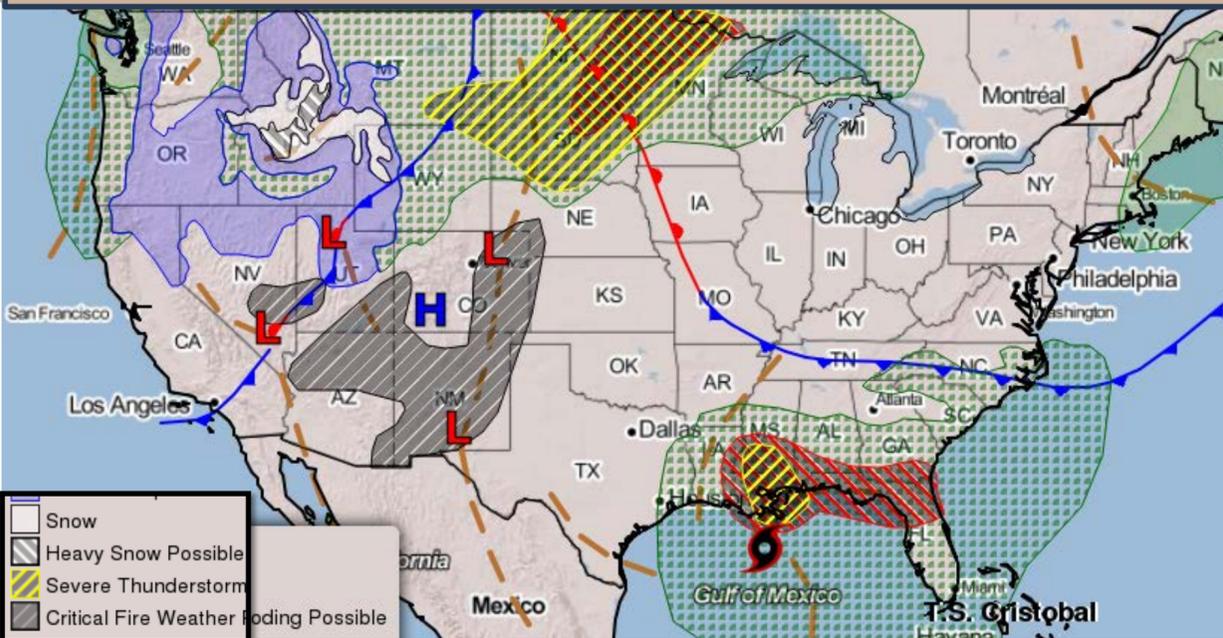
# Today's Weather



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## Forecast Chart

## Forecast Rainfall



**Heavy rainfall/flash flooding across SE LA.**

**Tropical storm force winds and surge flooding for the LA coast.**

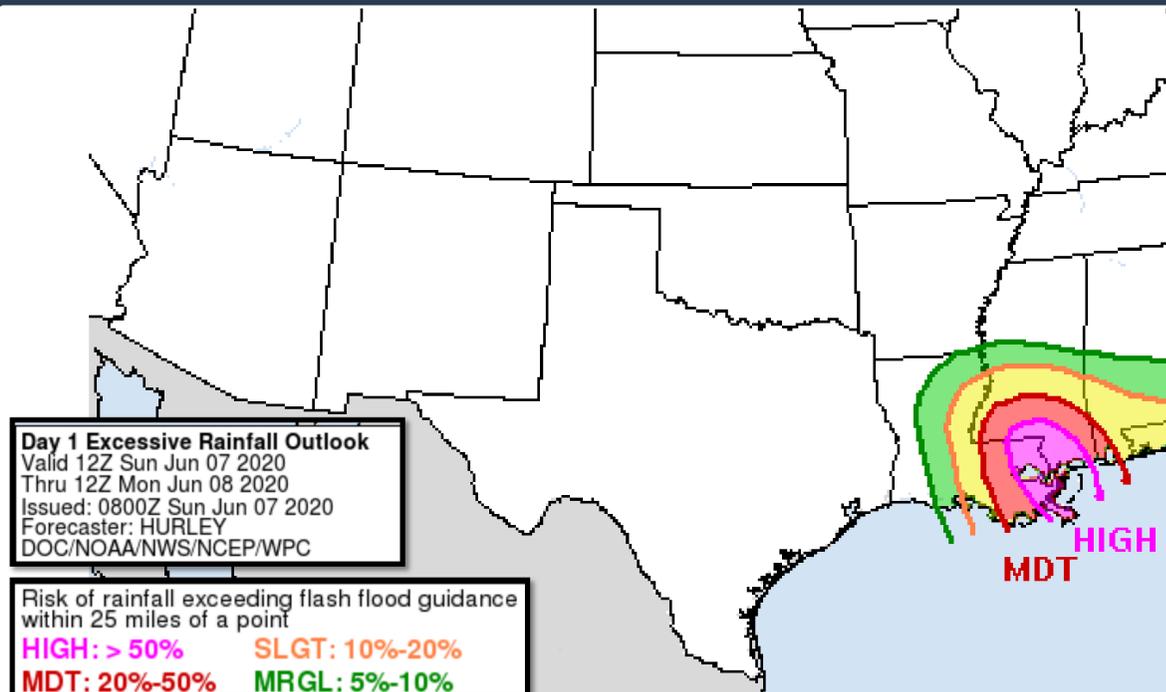
**Isolated tornadoes for SE LA.**

Weather Valid 8am EDT Sun Jun 07 2020 to 8am EDT Mon Jun 08 2020  
Fronts Valid 8am EDT Sun Jun 07 2020  
Issued 4:59 AM EDT Sun, Jun 07, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Otto with WPC/SPC/NHC forecasts.

**24-Hour Day 1 QPF**  
Valid 12Z Sun Jun 07 2020  
Thru 12Z Mon Jun 08 2020  
Issued: 0731Z Sun Jun 07 2020

## Severe Weather Outlook

## Excessive Rainfall Outlook



**Day 1 Excessive Rainfall Outlook**  
Valid 12Z Sun Jun 07 2020  
Thru 12Z Mon Jun 08 2020  
Issued: 0800Z Sun Jun 07 2020  
Forecaster: HURLEY  
DOC/NOAA/NWS/NCEP/WPC

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

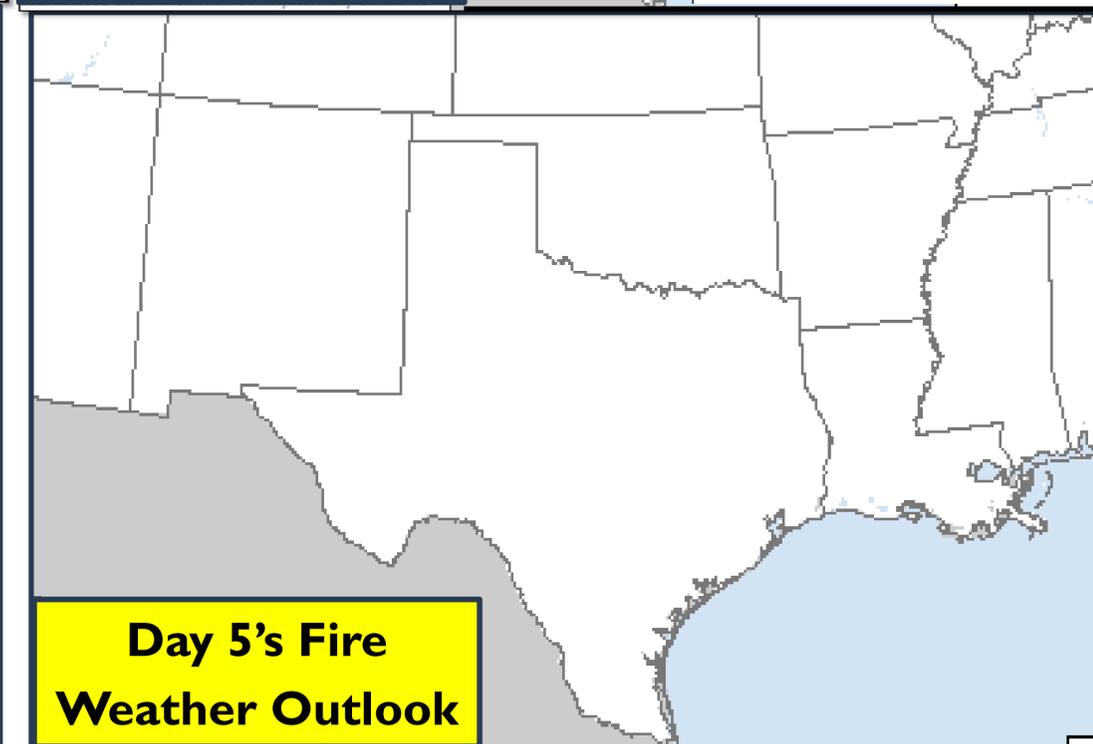
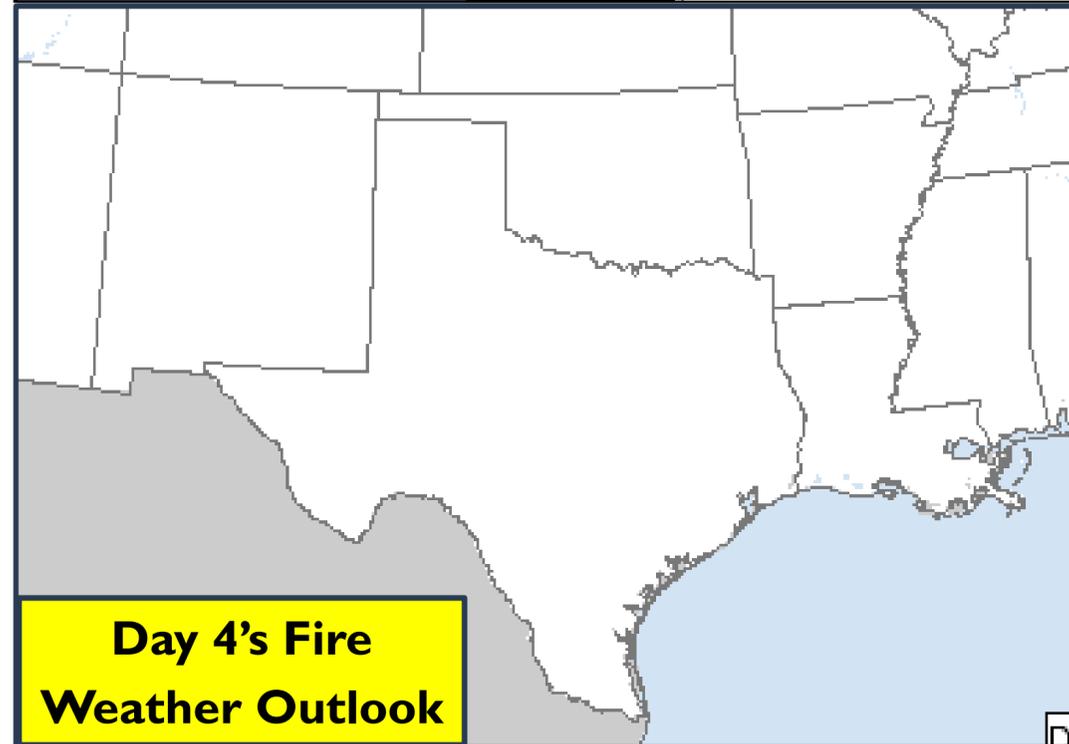
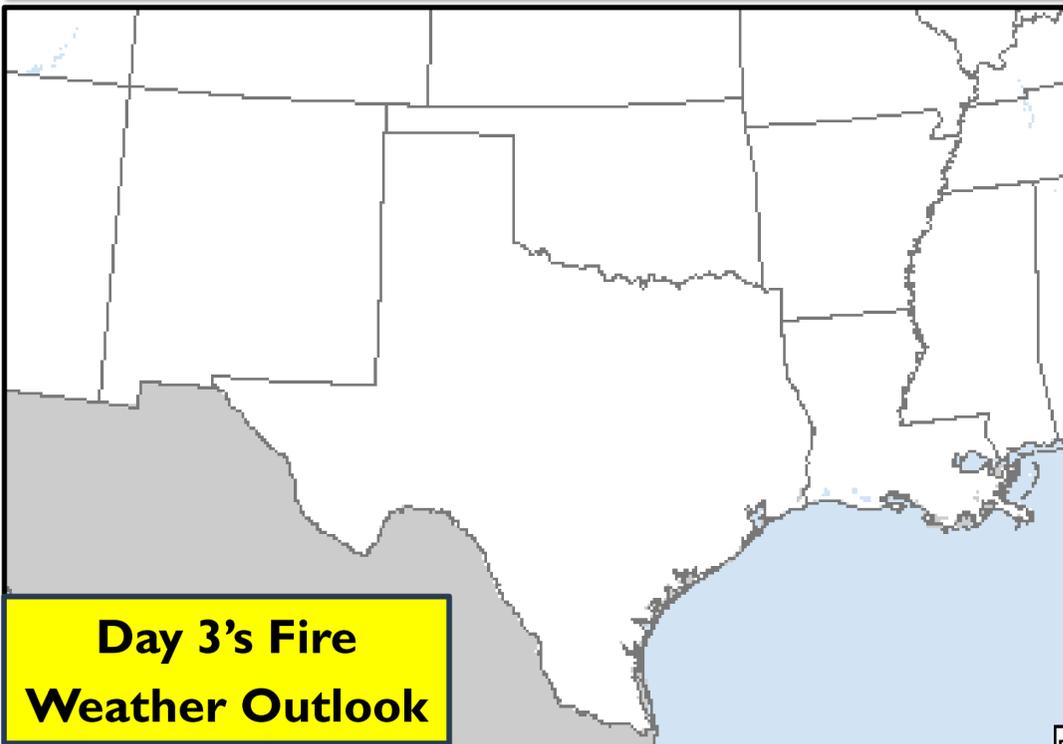
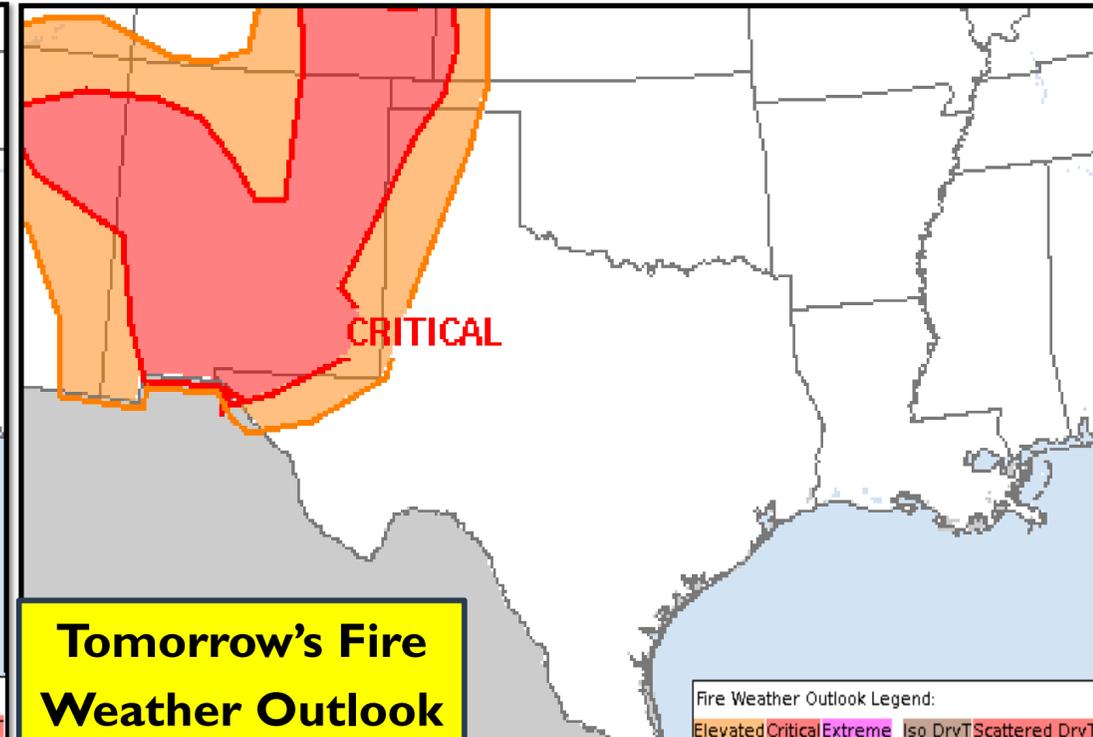
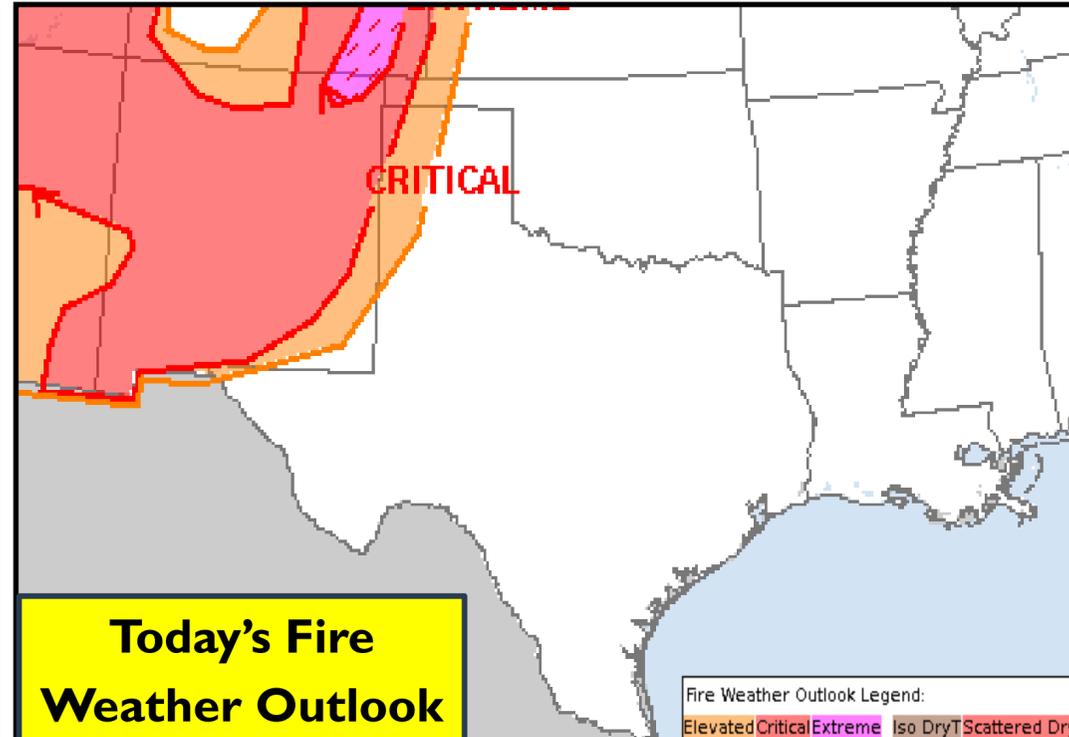
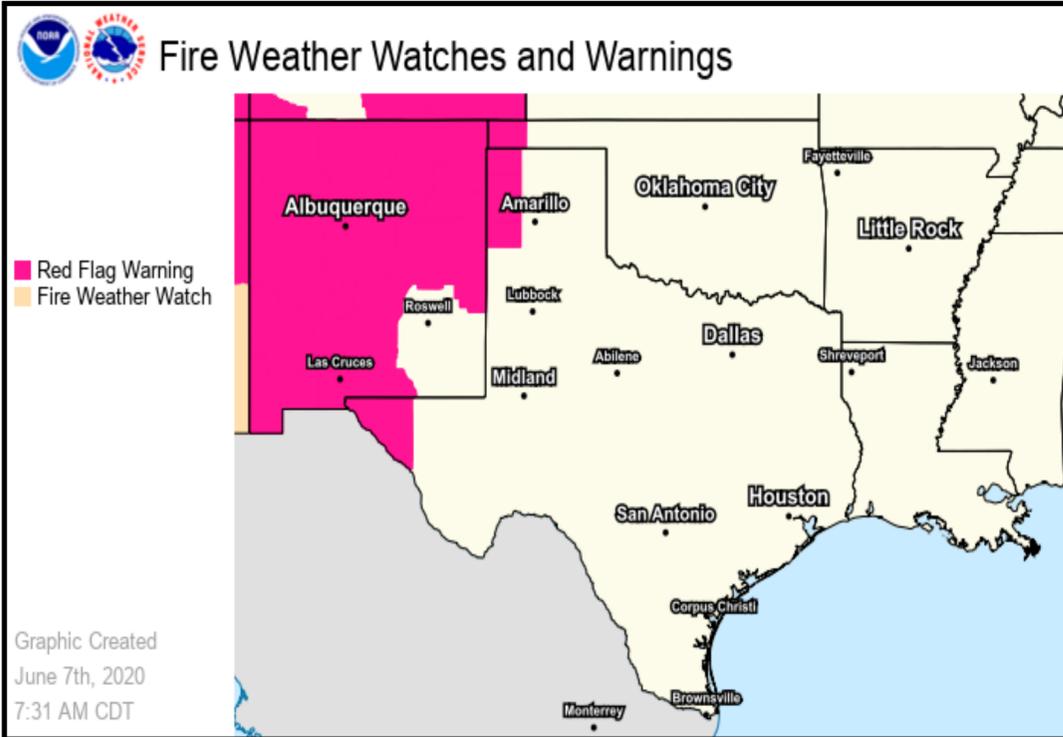
**HIGH: > 50%**      **SLGT: 10%-20%**  
**MDT: 20%-50%**    **MRGL: 5%-10%**



# Fire Weather Outlooks



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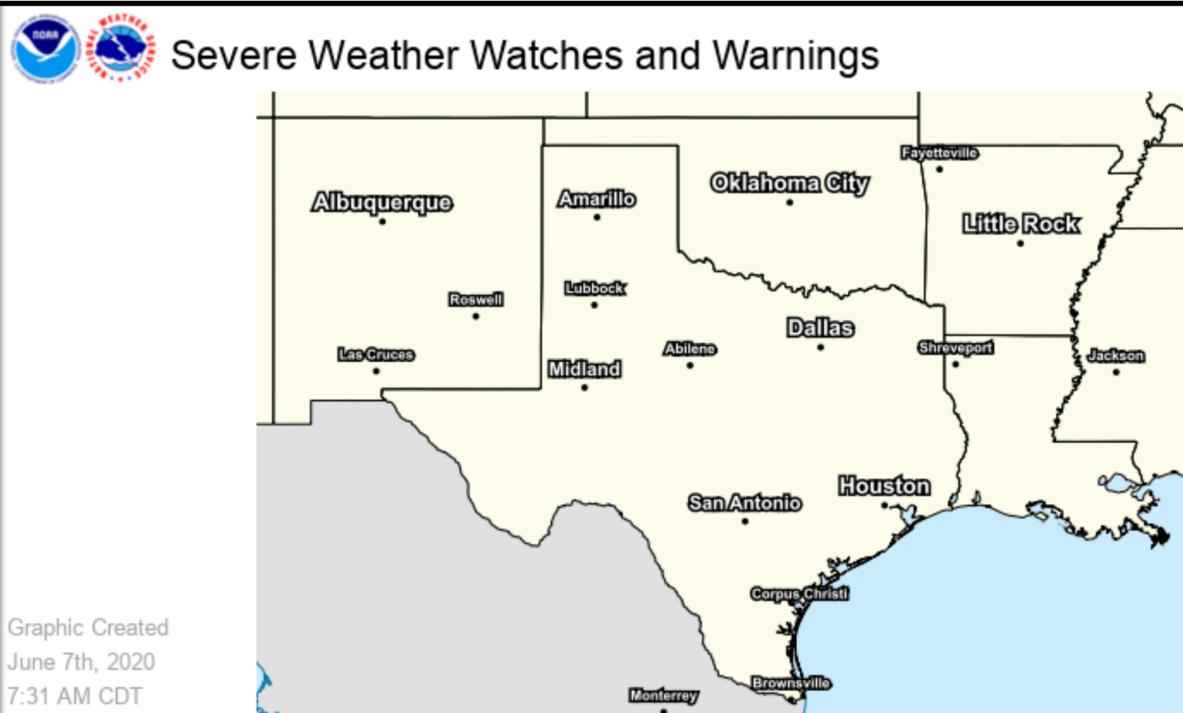


# Watches, Warnings, and Advisories

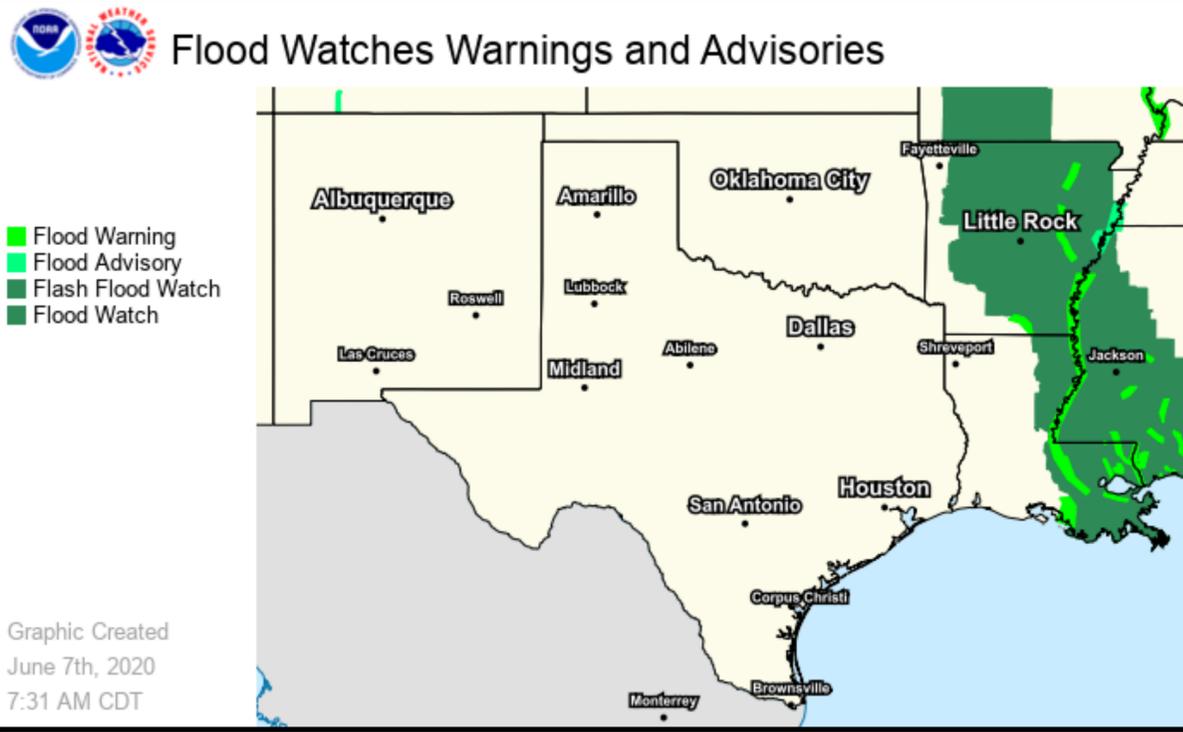
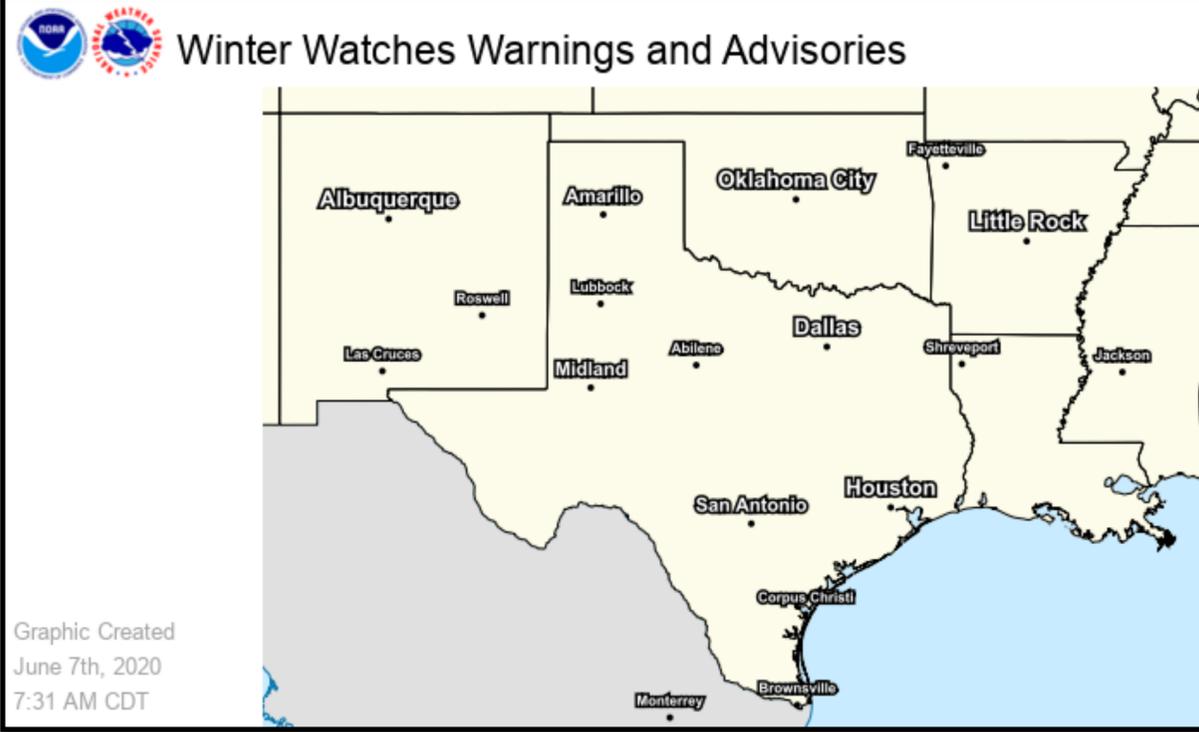


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Wind, Severe, Winter, and Flood Hazards



**Flood/Flash Flood watches in effect for SE LA and much of AR.**



# Tomorrow's Weather



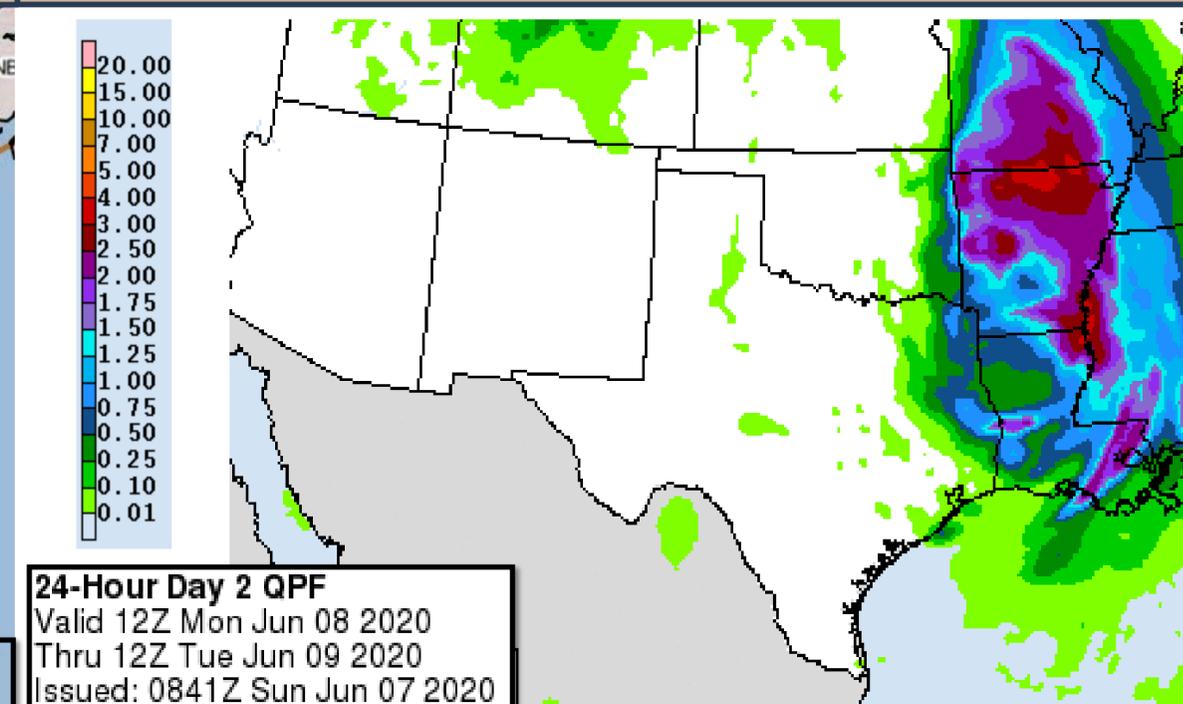
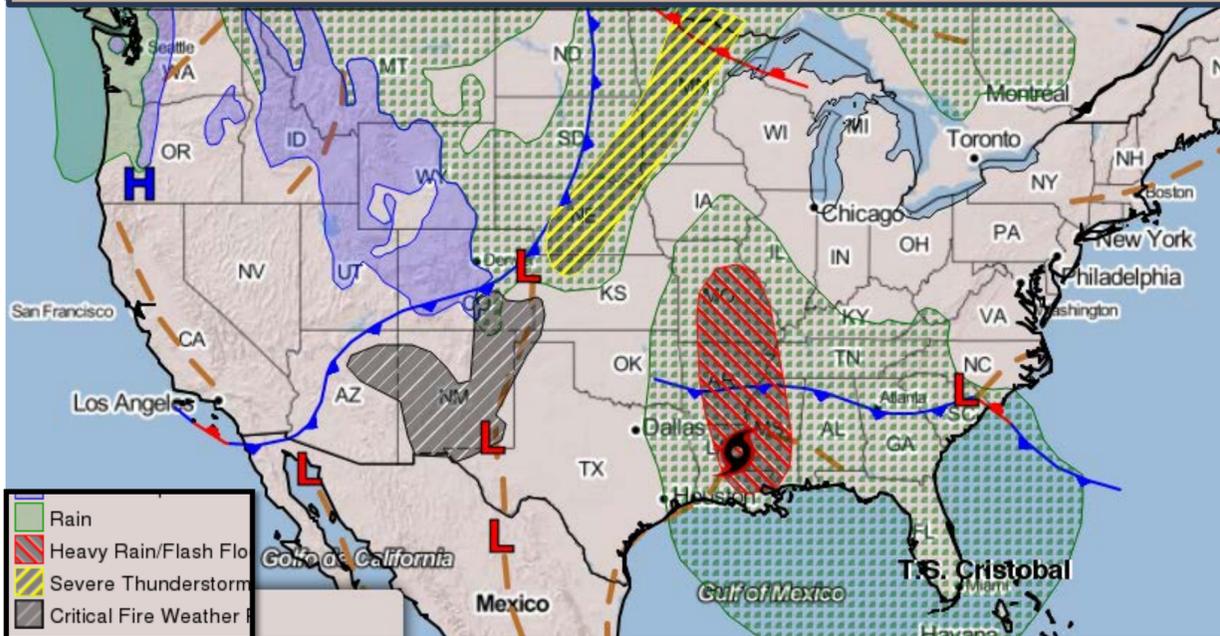
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## Forecast Chart

## Forecast Rainfall

**Heavy rainfall/flash flooding  
across LA/AR.**

**Isolated strong to severe  
thunderstorms across AR and  
LA.**

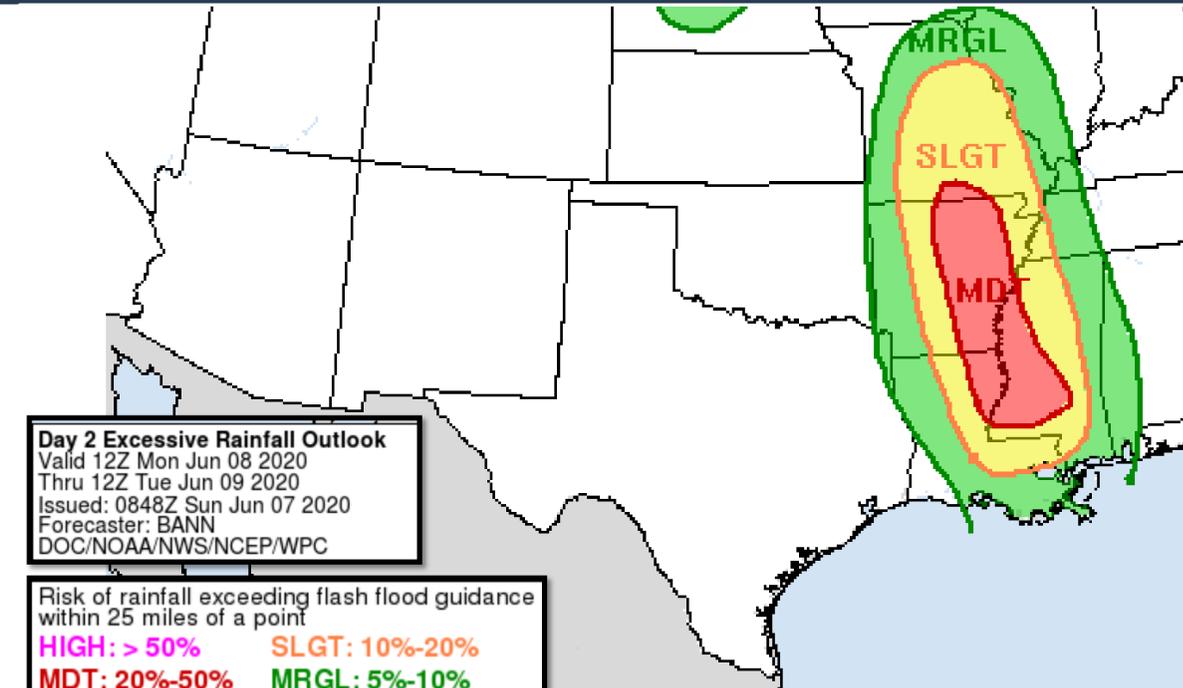
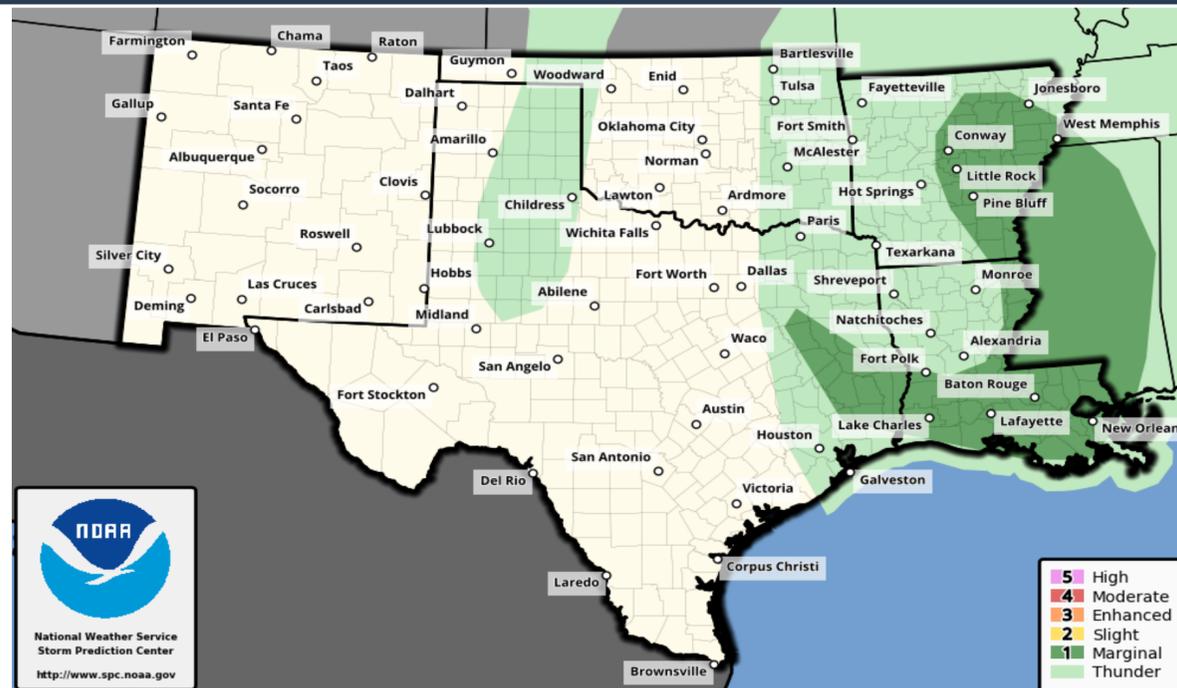


Weather Valid 8am EDT Mon Jun 08 2020 to 8am EDT Tue Jun 09 2020  
Fronts Valid 8am EDT Mon Jun 08 2020

Issued 5:11 AM EDT Sun, Jun 07, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Otto with WPC/SPC/NHC forecasts.

## Severe Weather Outlook

## Excessive Rainfall Outlook



# Tuesday's Weather

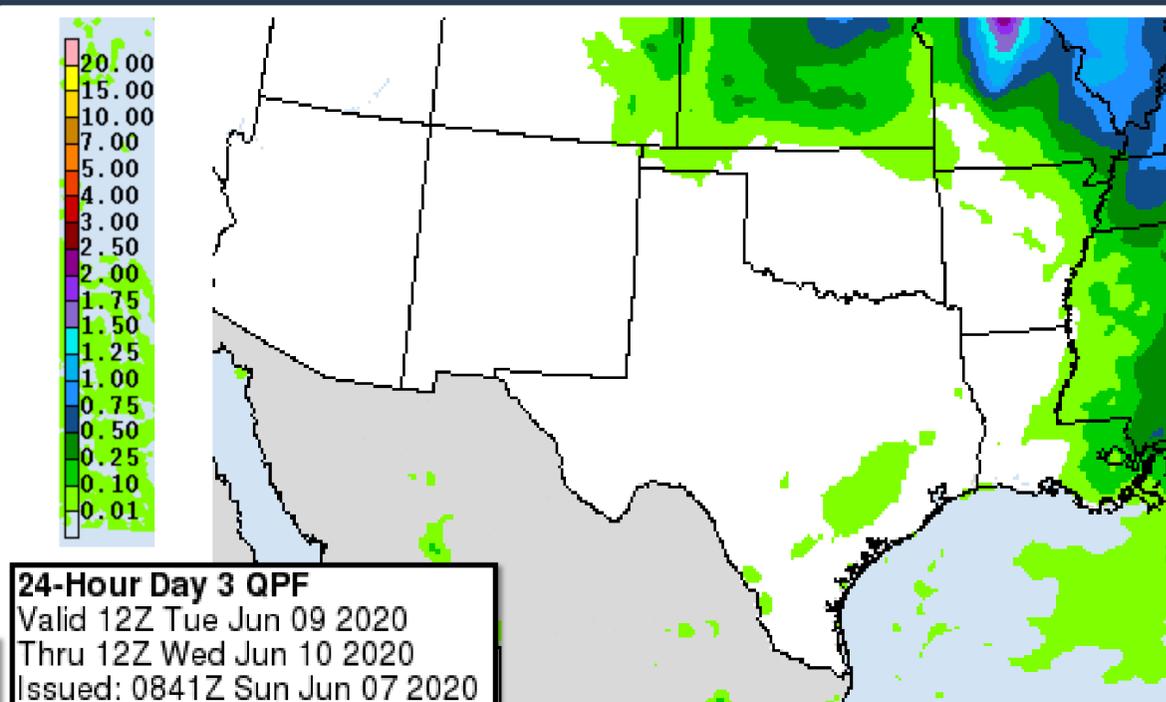
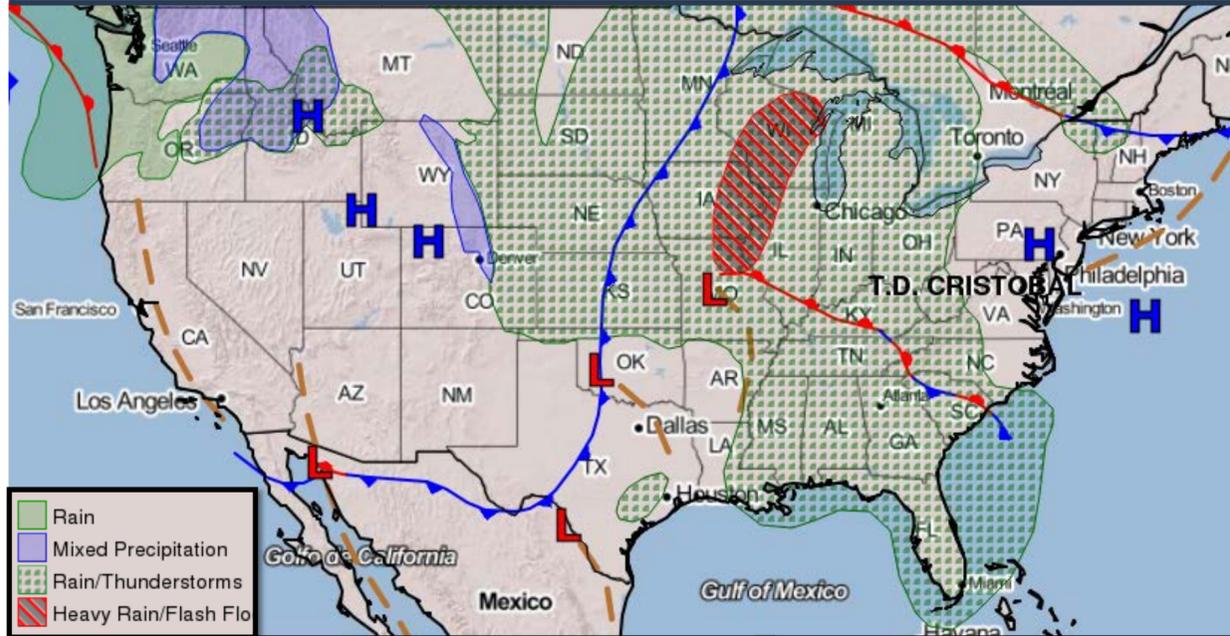


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## Forecast Chart

## Forecast Rainfall

**Isolated strong to severe storms across TX/AR and LA.**

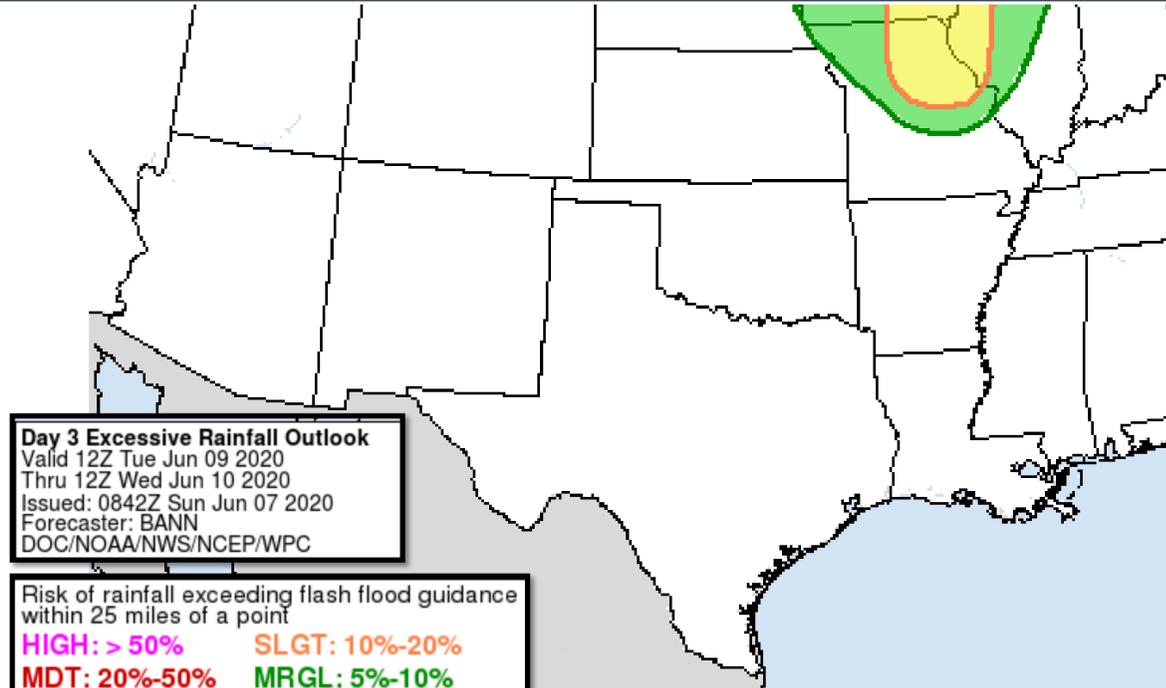
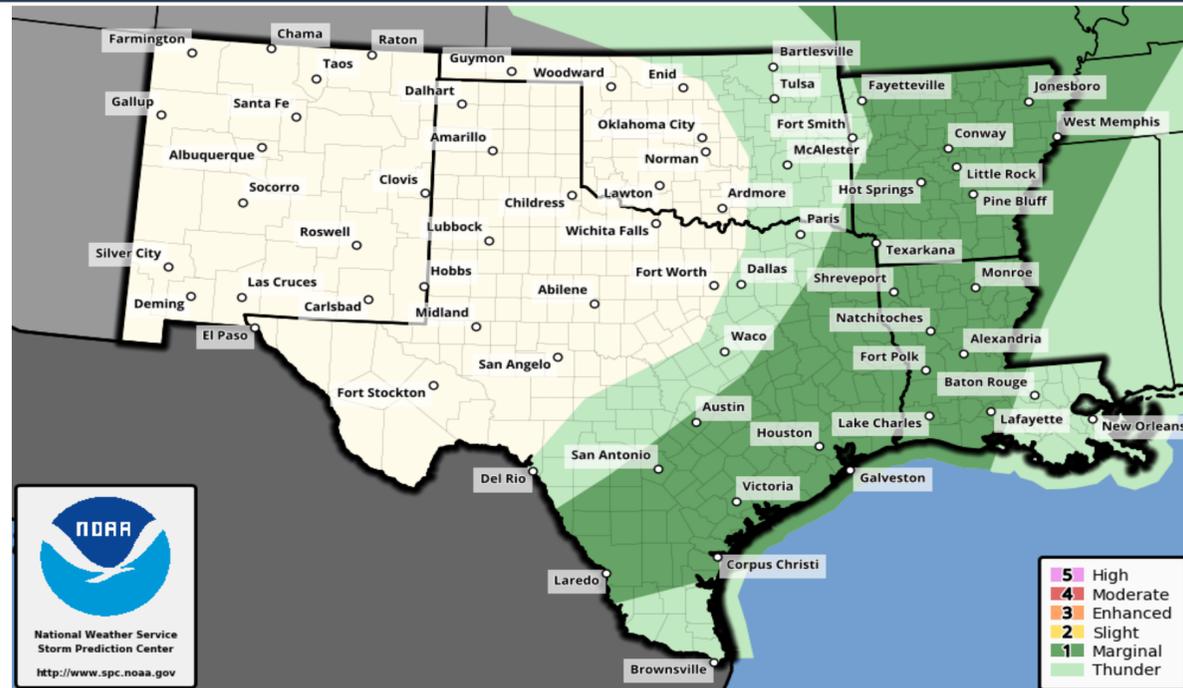


Weather Valid 8am EDT Tue Jun 09 2020 to 8am EDT Wed Jun 10 2020  
Fronts Valid 8am EDT Tue Jun 09 2020  
Issued 4:57 AM EDT Sun, Jun 07, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Kong with WPC/SPC/NHC forecasts.

24-Hour Day 3 QPF  
Valid 12Z Tue Jun 09 2020  
Thru 12Z Wed Jun 10 2020  
Issued: 0841Z Sun Jun 07 2020

## Severe Weather Outlook

## Excessive Rainfall Outlook



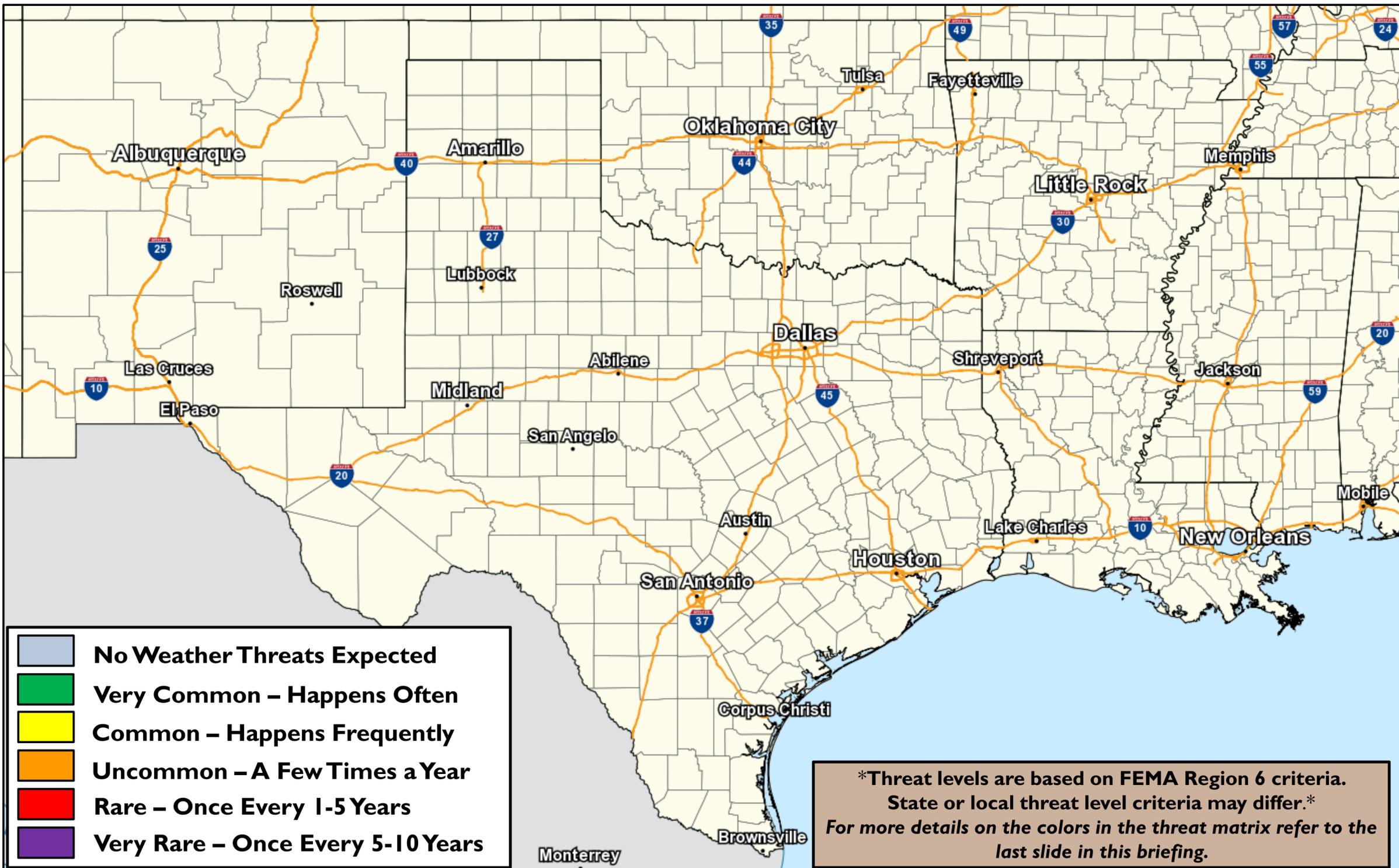
# Days 4-5 Weather Hazards

## Wednesday - Thursday



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No significant weather impacts expected.

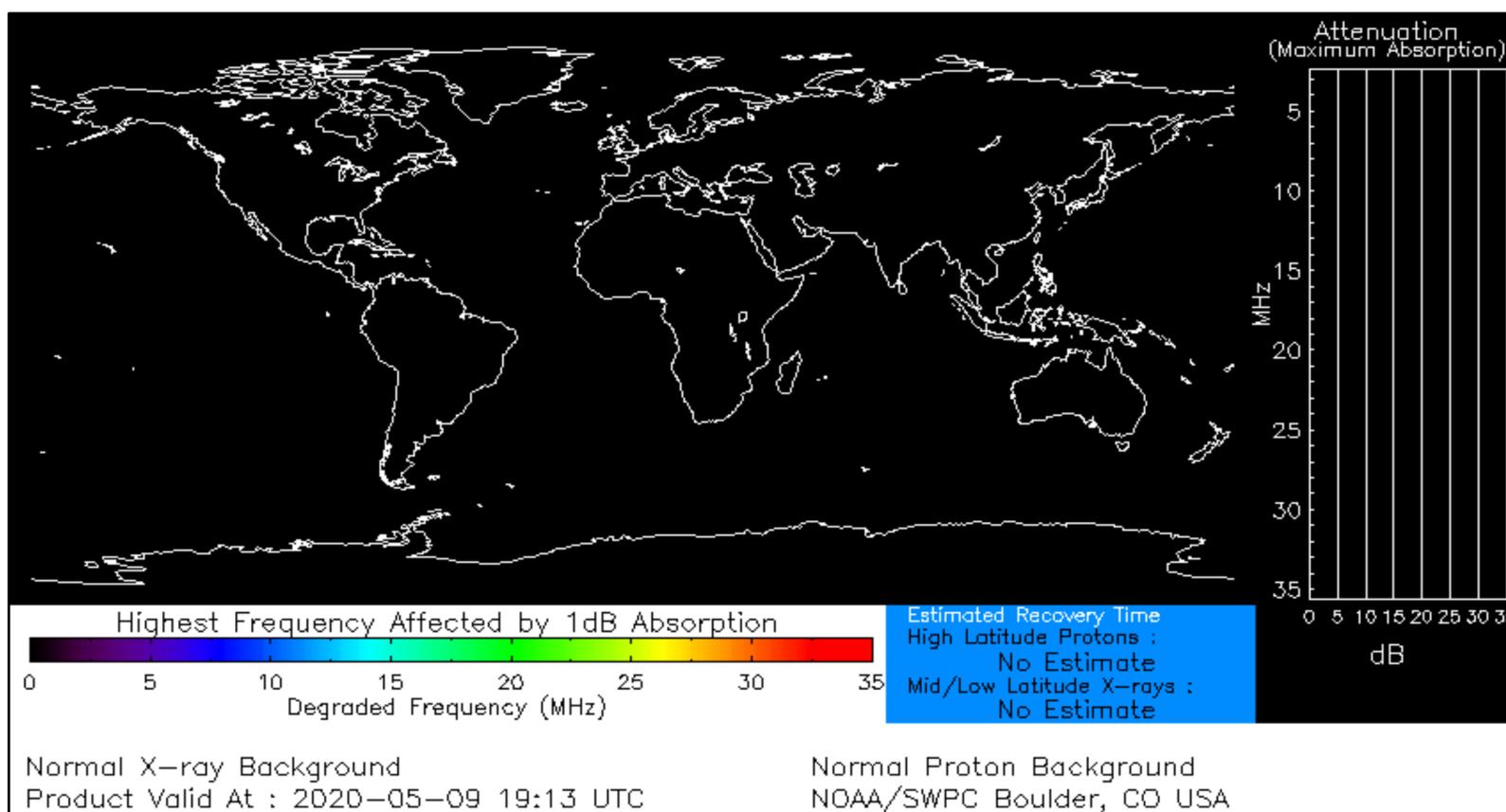


# Space Weather 3-Day Forecast



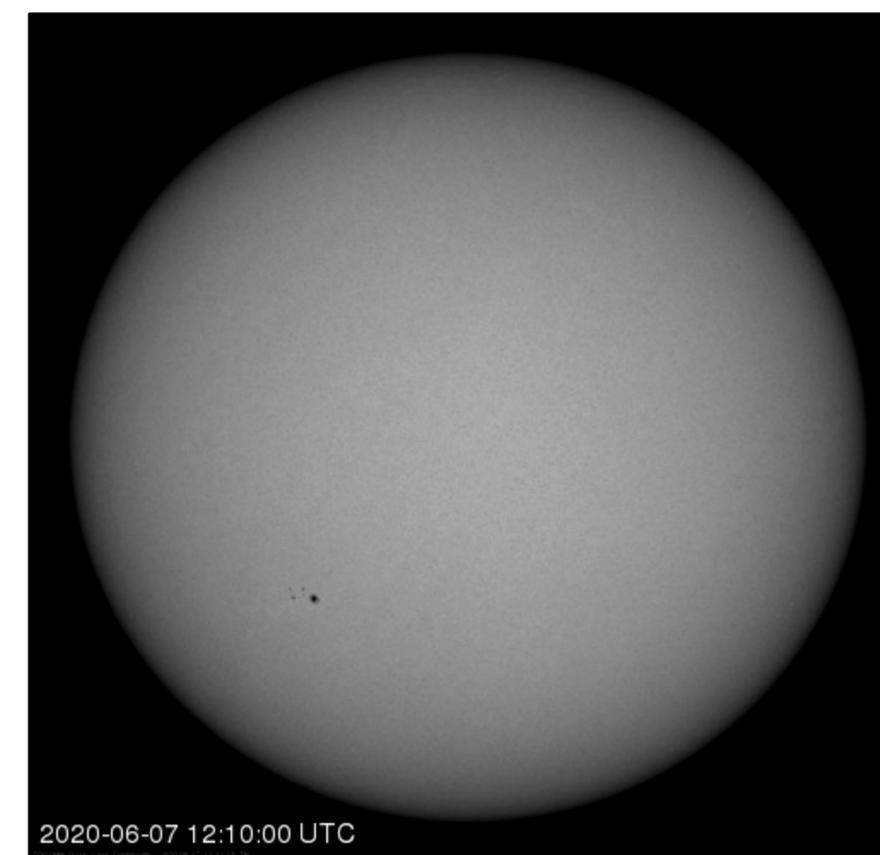
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	Sunday	Monday	Tuesday
<b>Geomagnetic Storms</b>	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout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