



FEMA



Prepared by
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Thursday June 4, 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.



- **Strong/severe thunderstorms today across AR/OK/TX Panhandle. Isolated flash flooding for AR/E OK.**
- **Tropical Storm Cristobal is over southern Mexico and is nearly stationary. No impacts through Friday.**
 - **Heavy rainfall/flash flooding for portions of LA Saturday through Monday, threat also for AR and E TX/OK on Monday.**
 - **Tropical storm force winds could begin as early as Saturday evening along the LA Coast and as early as Sunday for the Upper TX Coast.**

FEMA Region 6 Threat Matrix



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Jun 4, 2020 - Jun 8, 2020

DAY / THREAT	Thu	Fri	Sat	Sun	Mon
Severe Storms	OK/AR/TX Panhandle				
Heavy Rain / Flash Flooding	AR/E OK		SE LA	S LA	LA/AR/ETX/OK
Fire Weather				NM	
Tropical Weather			LA (Late)	LA/TX	
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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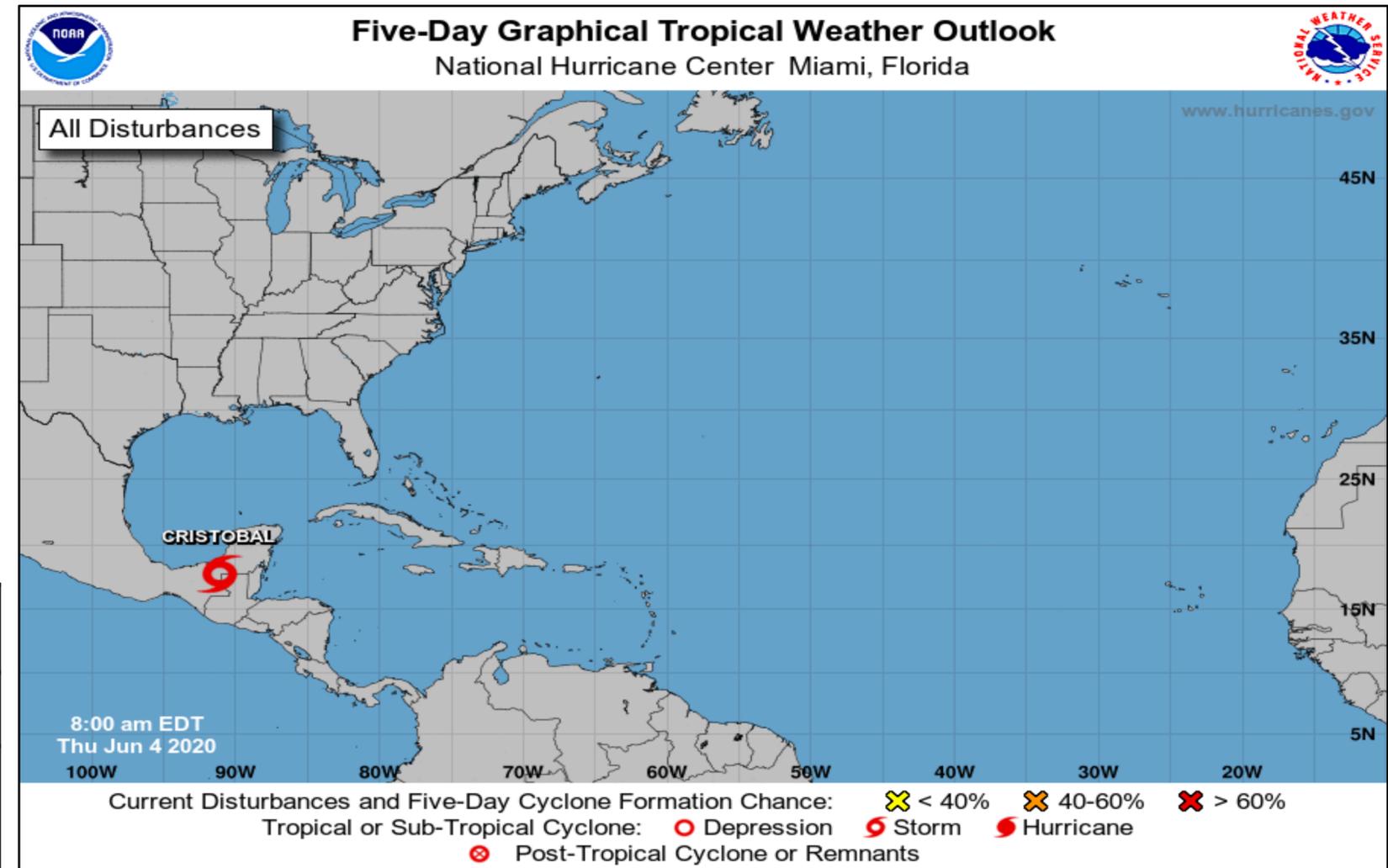
See next slide for more information

Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
-		

Active Tropical Cyclones

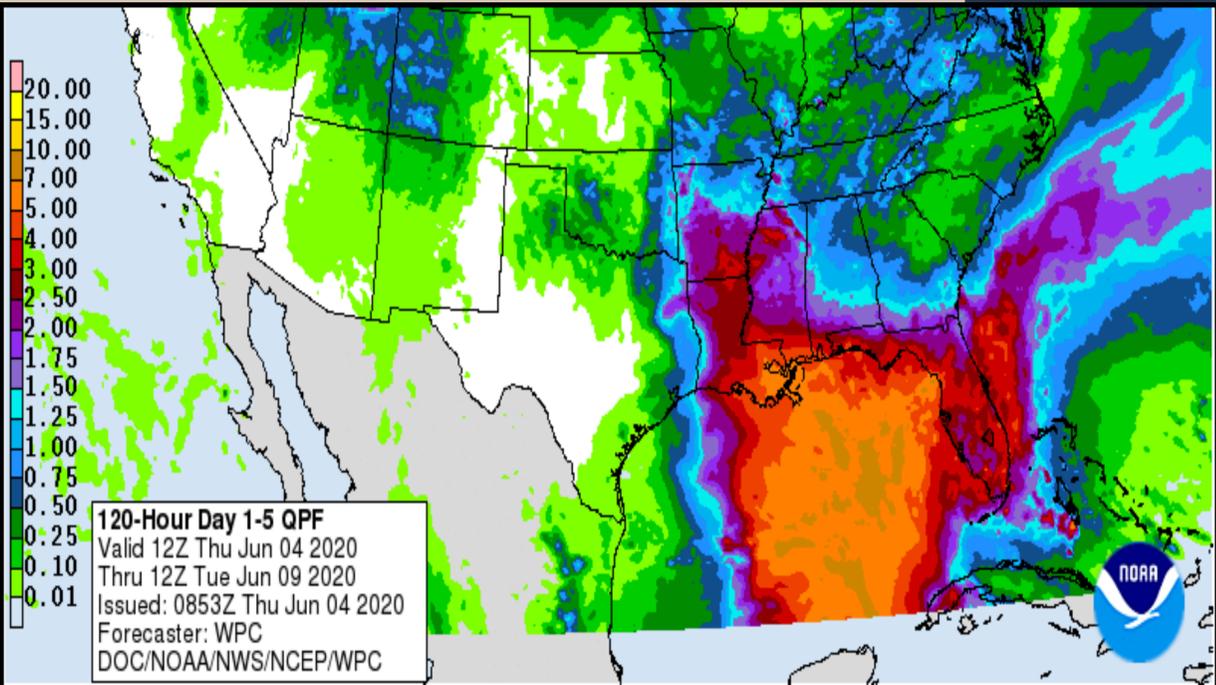
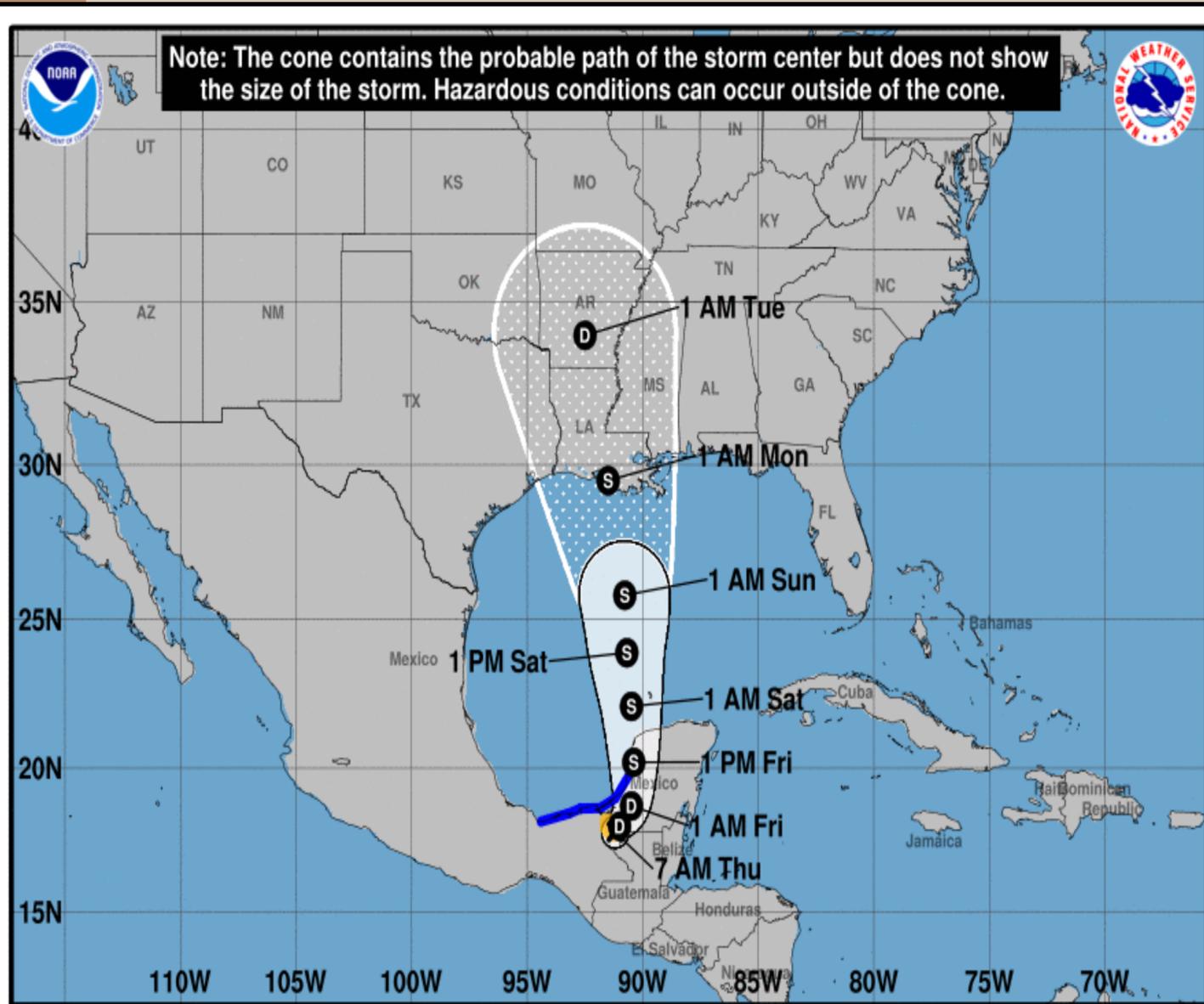
Storm	Potential Impacts to FEMA 6
Cristobal	Heavy rainfall/flash flooding for portions of LA Saturday through Monday. Threat also for AR and ETX/OK on Monday.



Tropical Storm Cristobal

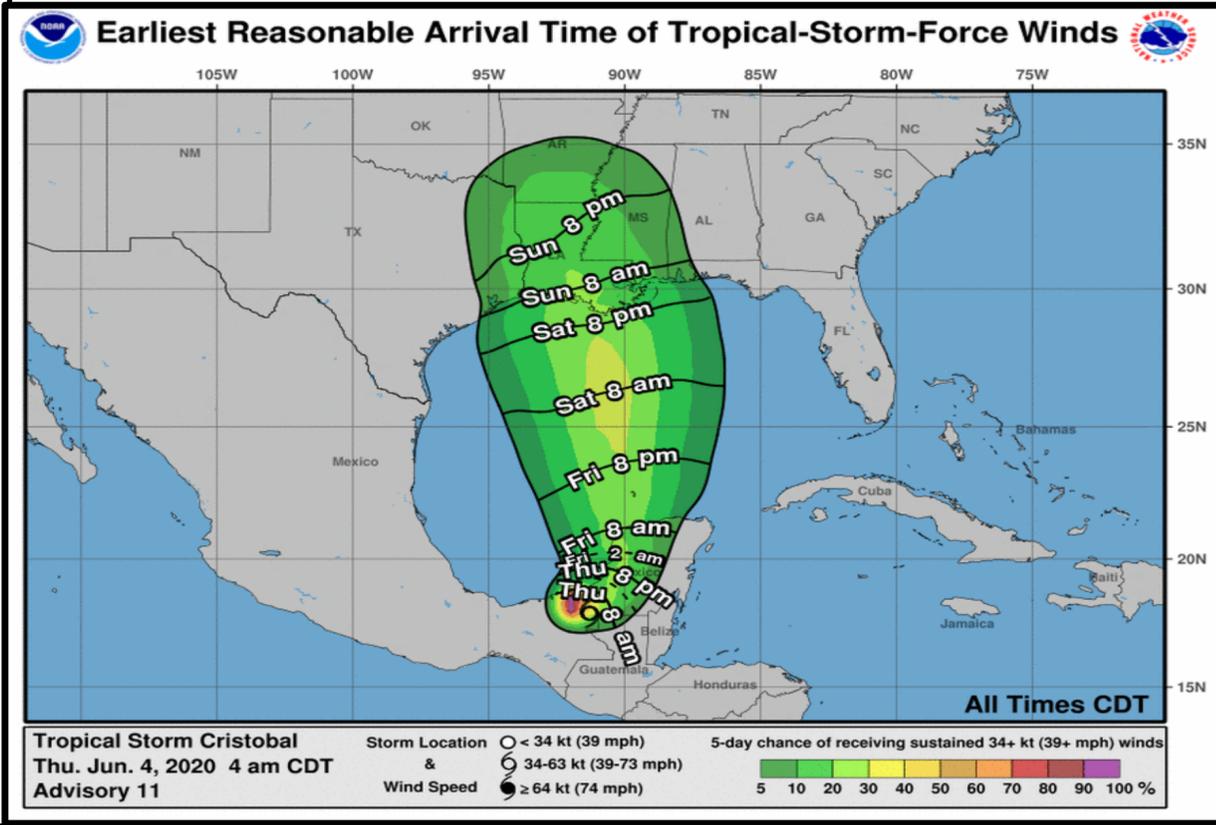


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Heavy rainfall/flash flooding for portions of LA Saturday through Monday. Threat also for AR and E TX/OK on Monday.

Tropical storm force winds could arrive as early as Sat evening along the LA coast and as early as Sunday for the Upper TX coast.



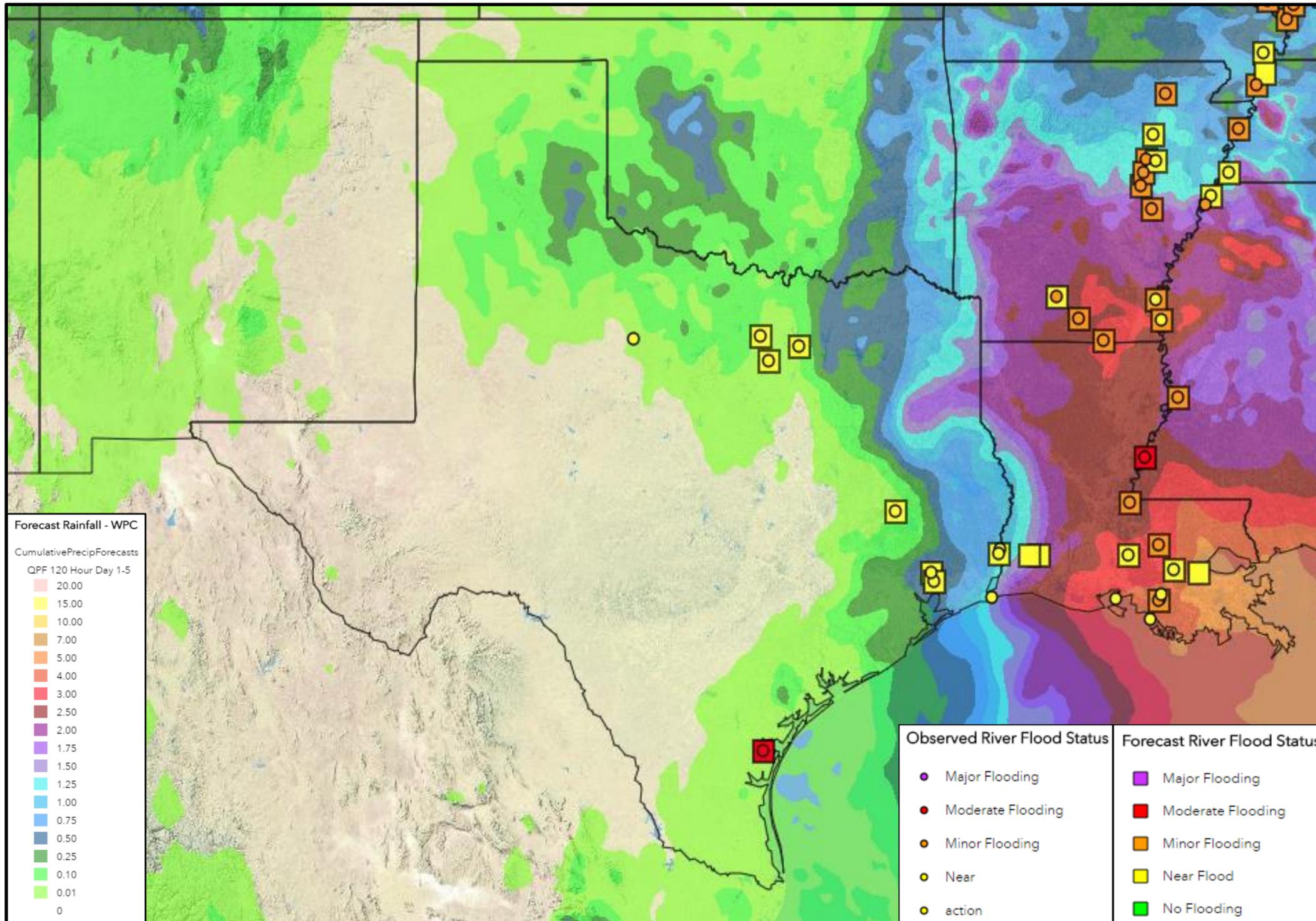
<p>Tropical Storm Cristobal Thursday June 04, 2020 7 AM CDT Intermediate Advisory 11A NWS National Hurricane Center</p>	<p>Current information: x Center location 17.8 N 91.2 W Maximum sustained wind 40 mph Movement SE at 2 mph</p>	<p>Forecast positions: ● Tropical Cyclone ○ Post/Potential TC Sustained winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110 mph</p>
<p>Potential track area: Day 1-3 Day 4-5</p>	<p>Watches: Hurricane Trop Stm</p>	<p>Warnings: Hurricane Trop Stm</p>
<p>Current wind extent: Hurricane Trop Stm</p>		

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

The lower Mississippi River will rise 1 to 2 ½ feet over the next couple of weeks. Crests are not expected in Louisiana until the second week of June. Crests on the lower Mississippi River will be 4 to 7 feet lower than what occurred in April of this year. Minor to isolated moderate flooding will continue over the next few weeks.

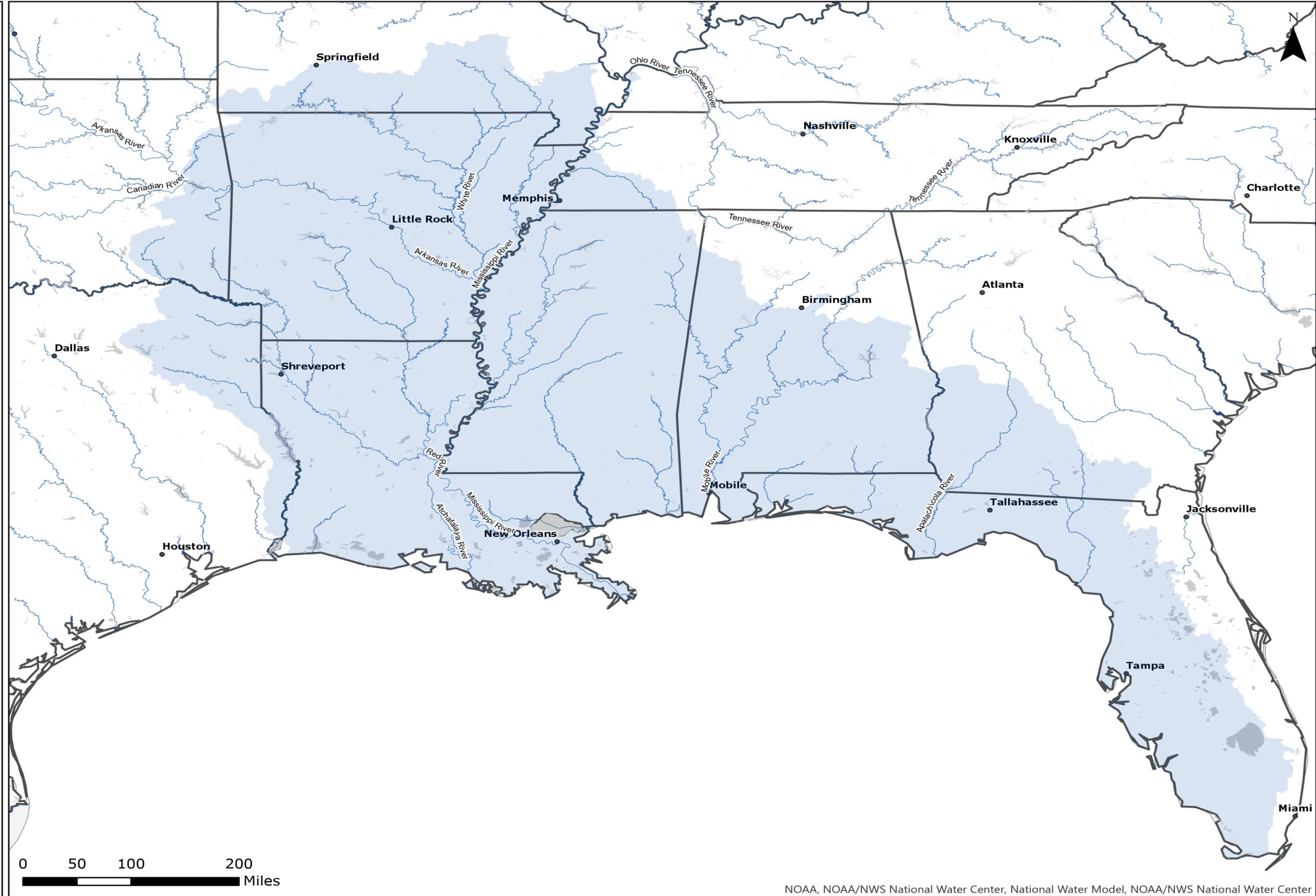
Key Messages:

- Much of the Gulf Coast from Louisiana through central Florida is under abnormally dry to extreme drought conditions.
- Although dry conditions may help lessen the impact of heavy tropical rains, rainfall associated with T.S. Cristobal may create flash flooding and ponding in low-lying/poorly drained areas, urban flooding, as well as rapid rises on smaller streams beginning this weekend through the early part of next week.
- While it is too soon to determine the exact location, timing, and magnitude of hydrologic impacts, parties with interests in these areas should monitor progress of TS Cristobal and ensure they have their flood plan in place.

Inland Flood Risk Area

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

Graphic Generated: 11:30 UTC 4 June 2020



Today's Weather



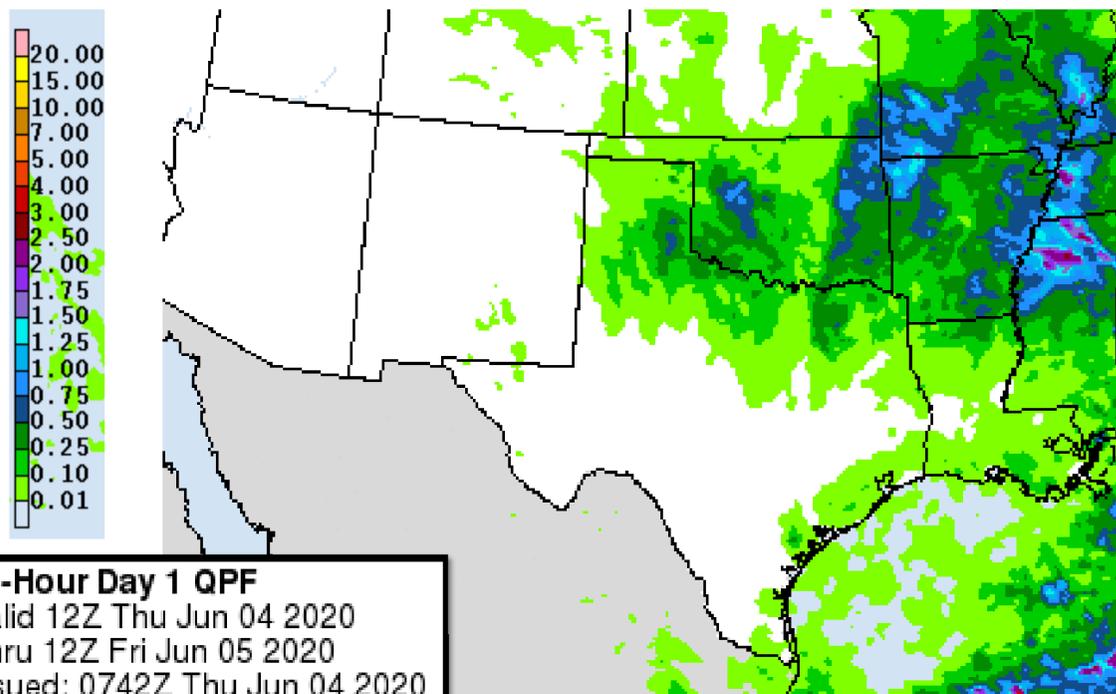
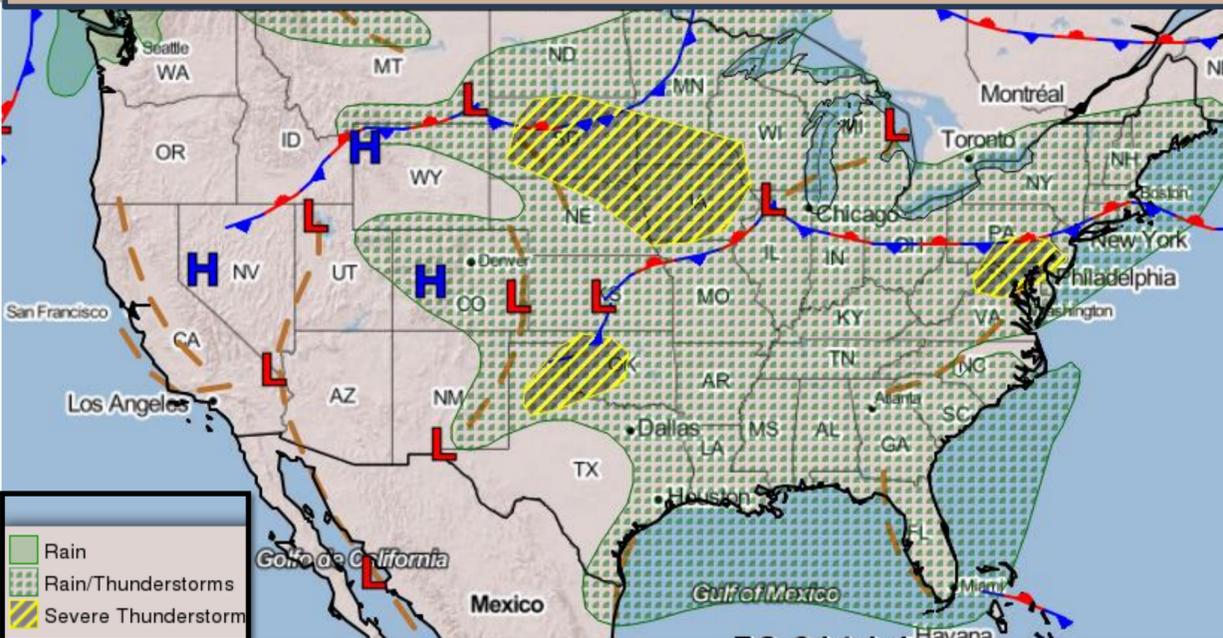
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Forecast Chart

Forecast Rainfall

Strong to severe storms with damaging winds/hail across AR/OK/TX Panhandle.

Isolated heavy rain/flash flooding for AR/E OK.



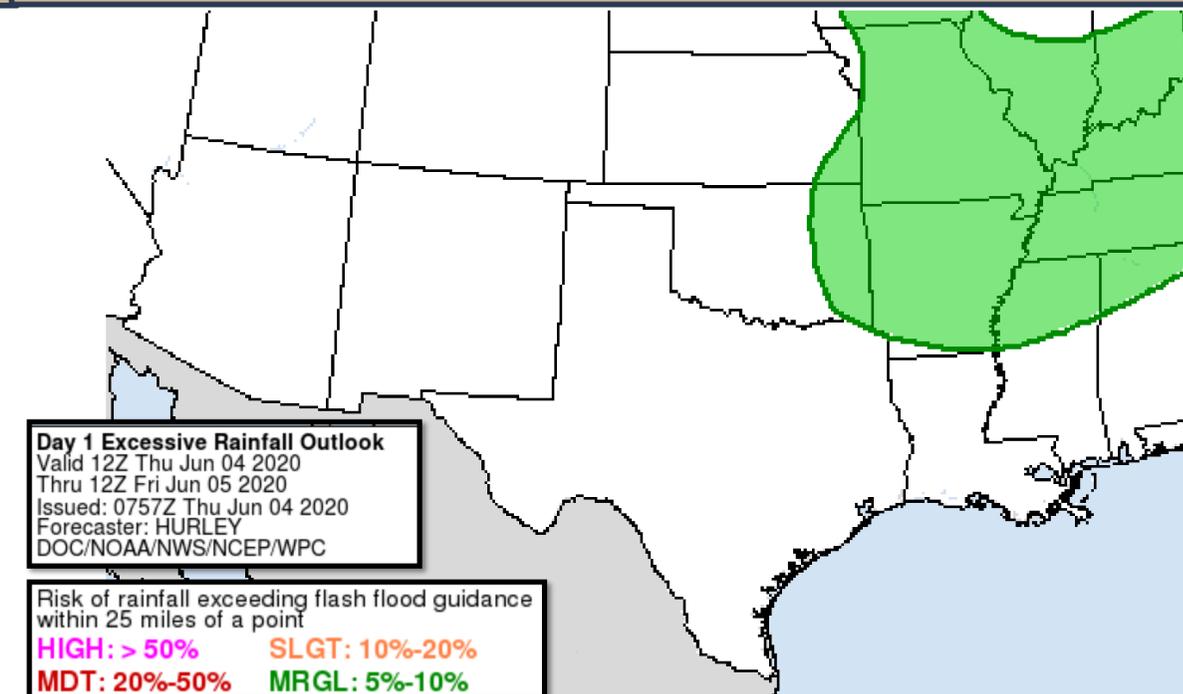
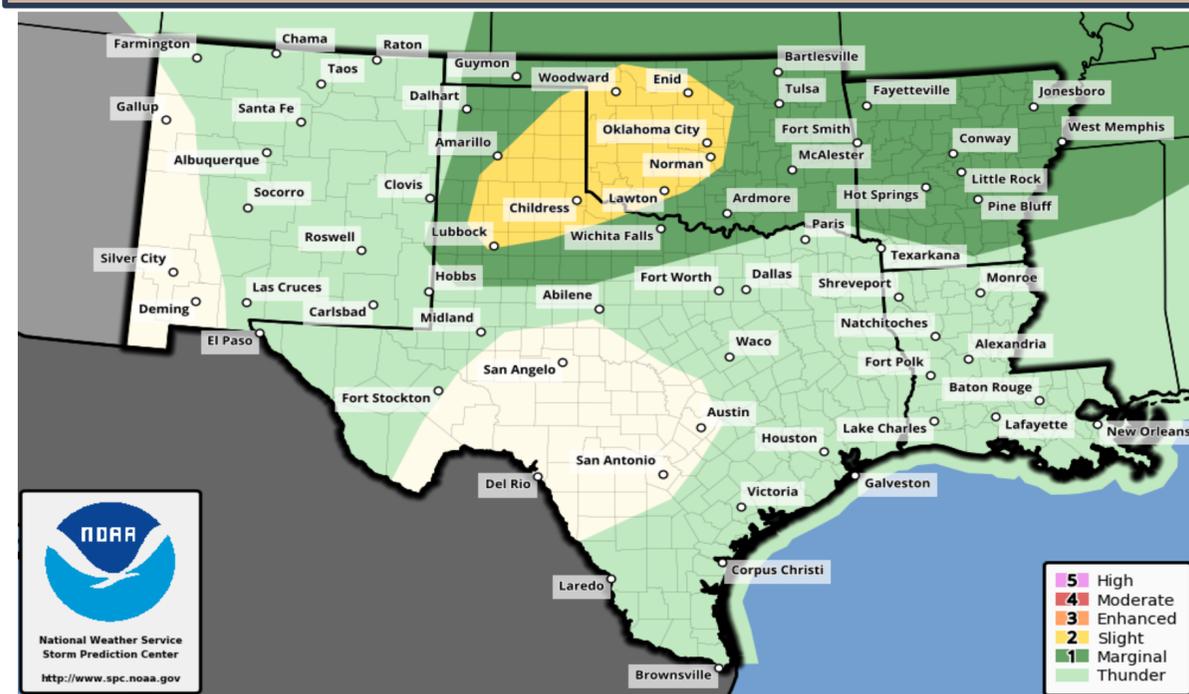
Weather Valid 8am EDT Thu Jun 04 2020 to 8am EDT Fri Jun 05 2020
Fronts Valid 8am EDT Thu Jun 04 2020

Issued 4:39 AM EDT Thu, Jun 04, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Hurley with WPC/SPC/NHC forecasts.

24-Hour Day 1 QPF
Valid 12Z Thu Jun 04 2020
Thru 12Z Fri Jun 05 2020
Issued: 0742Z Thu Jun 04 2020

Severe Weather Outlook

Excessive Rainfall Outlook



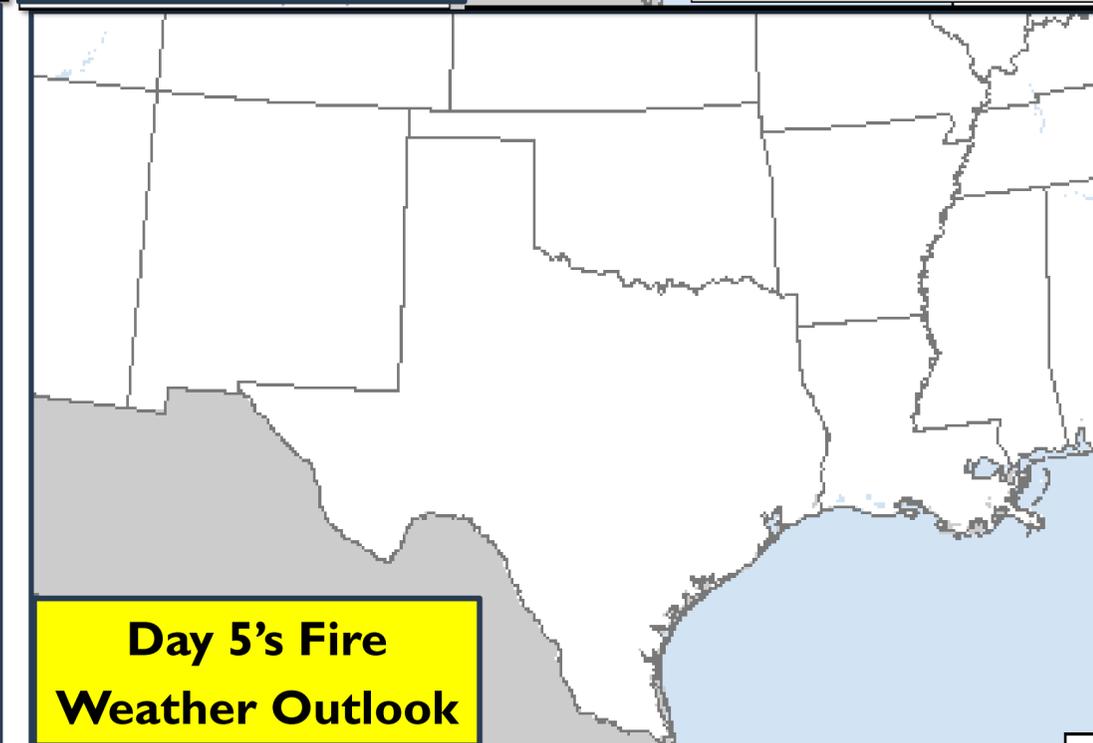
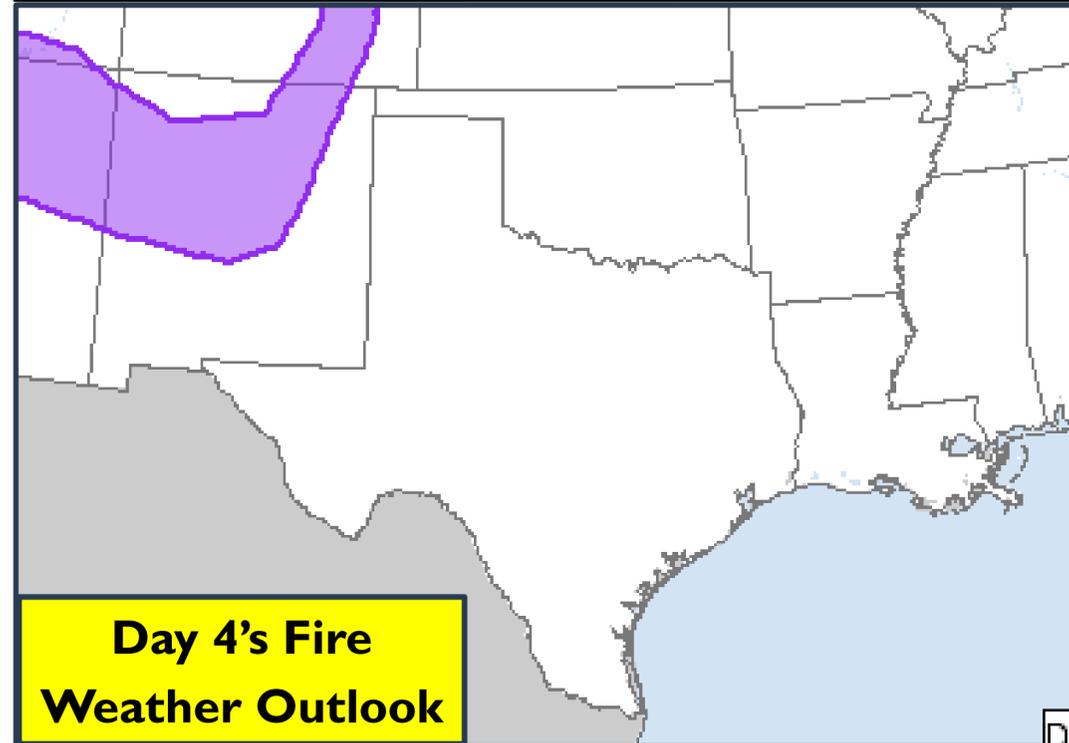
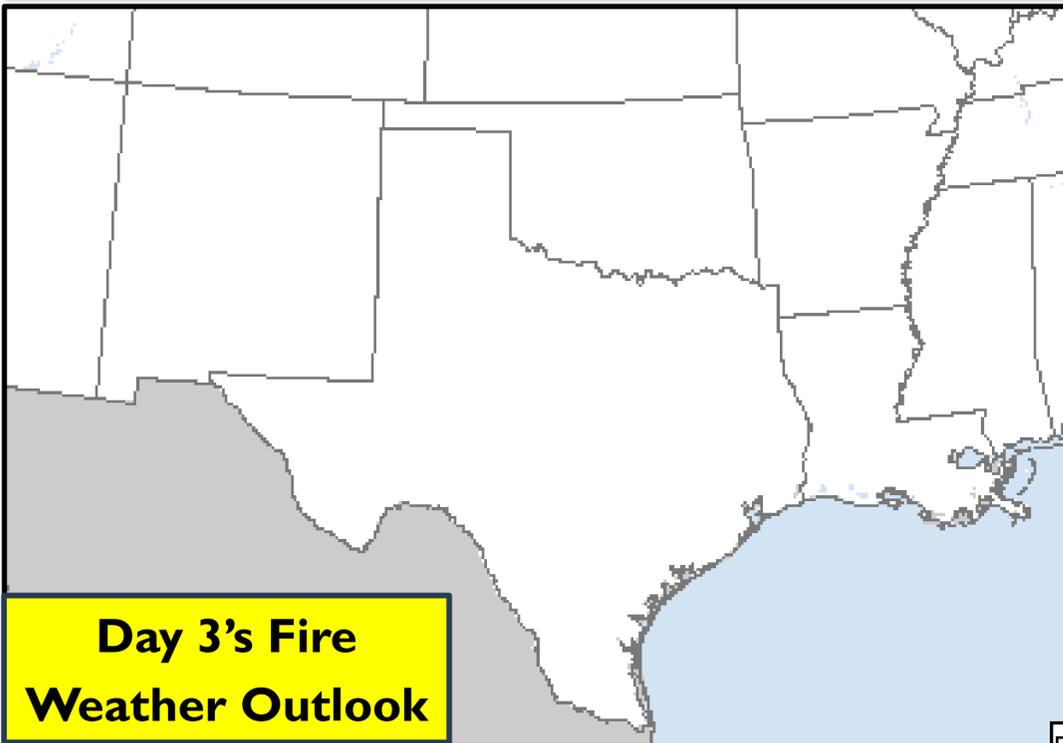
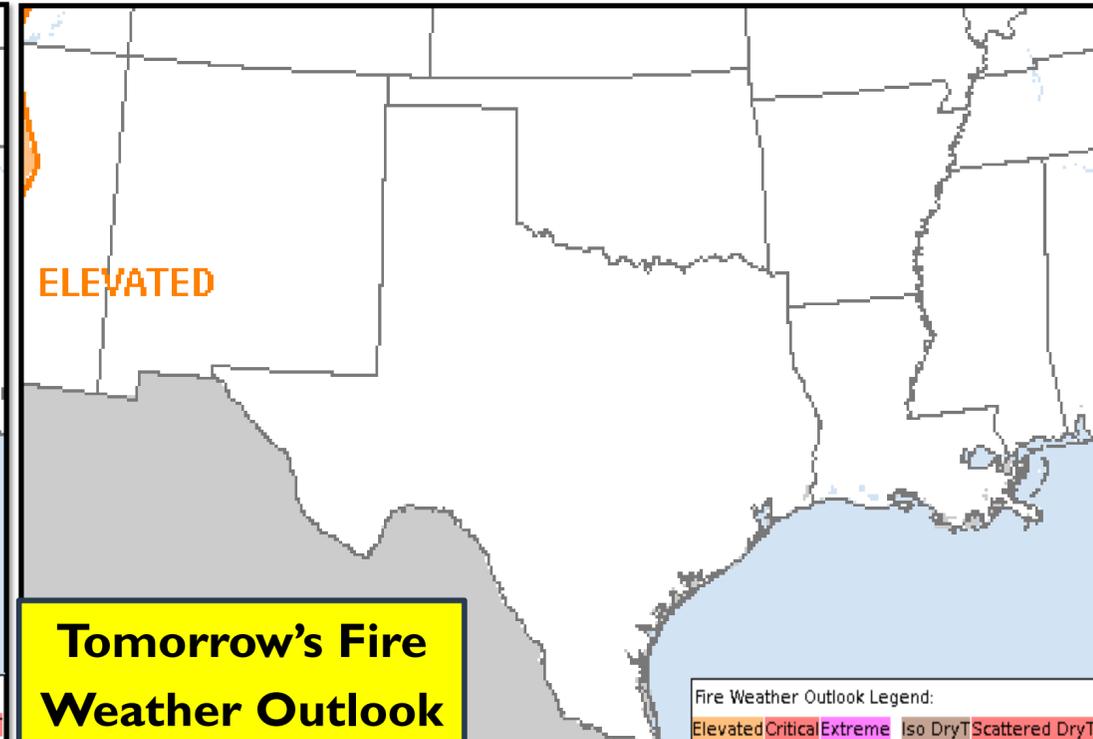
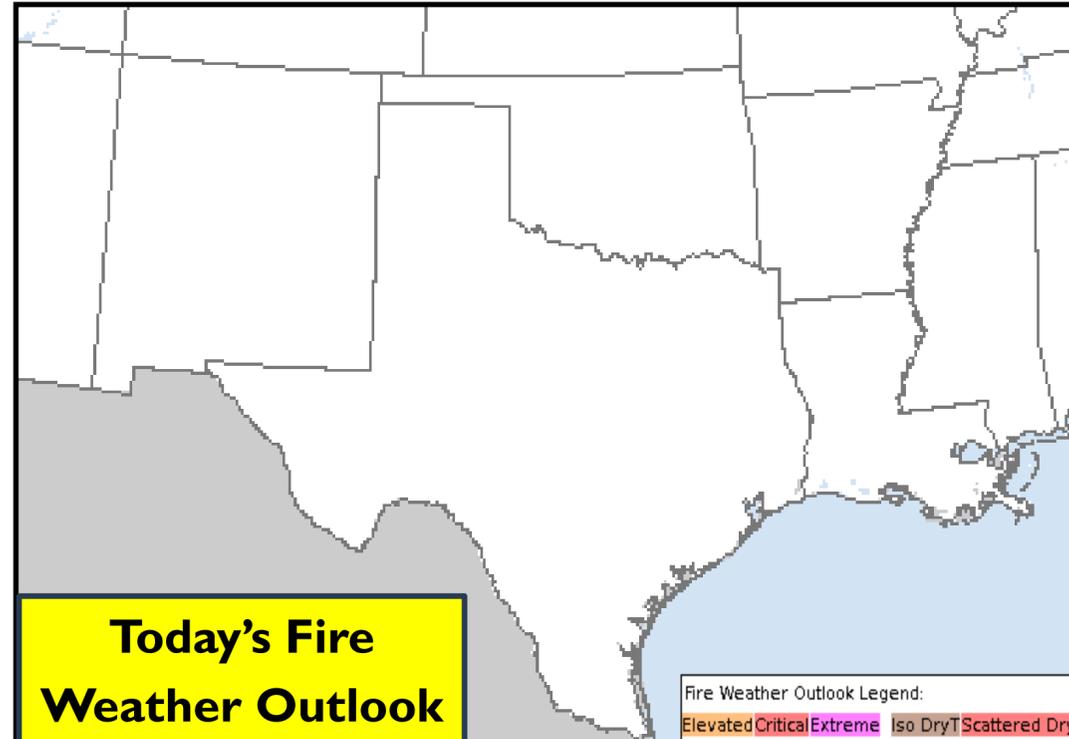
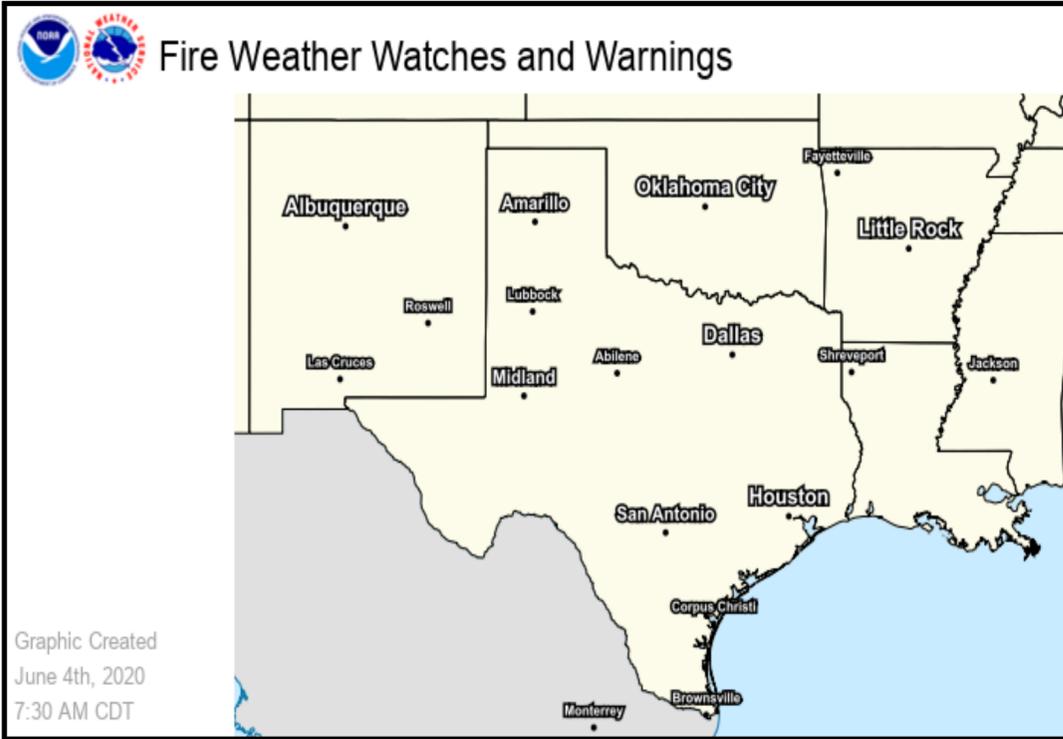
Day 1 Excessive Rainfall Outlook
Valid 12Z Thu Jun 04 2020
Thru 12Z Fri Jun 05 2020
Issued: 0757Z Thu Jun 04 2020
Forecaster: HURLEY
DOC/NOAA/NWS/NCEP/WPC

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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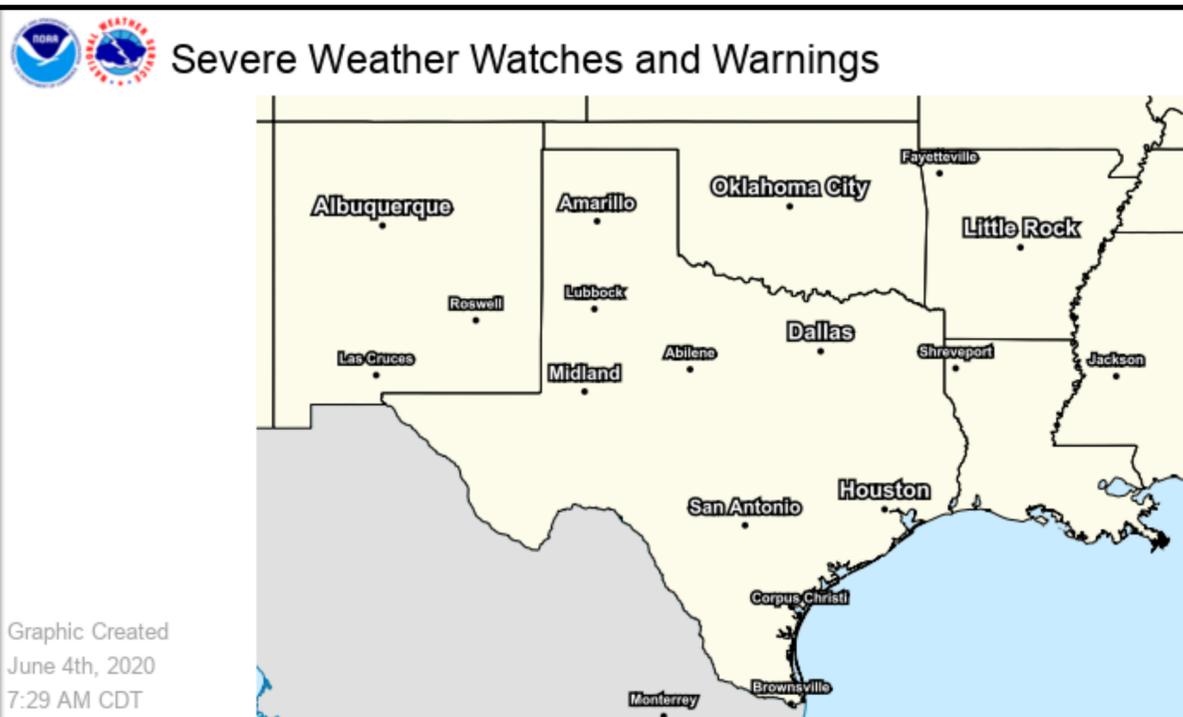


Watches, Warnings, and Advisories

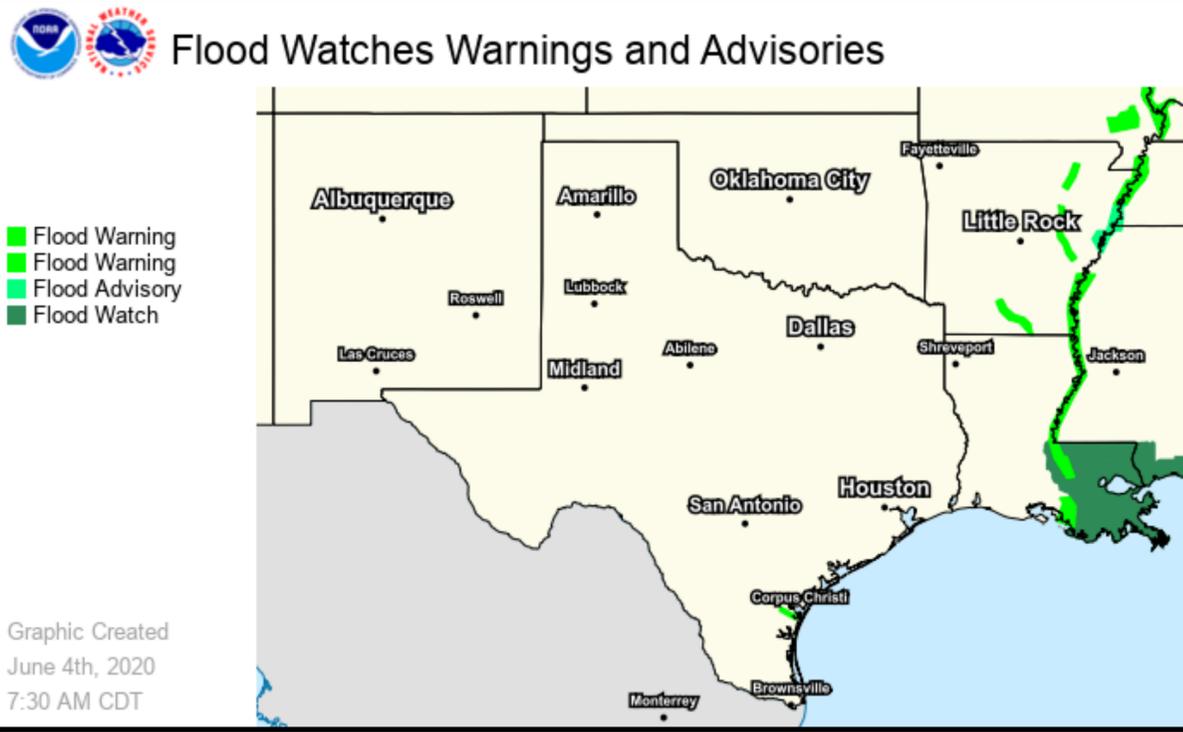


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Wind, Severe, Winter, and Flood Hazards



Flood watches in effect for SE LA today through Tuesday.



Tomorrow's Weather

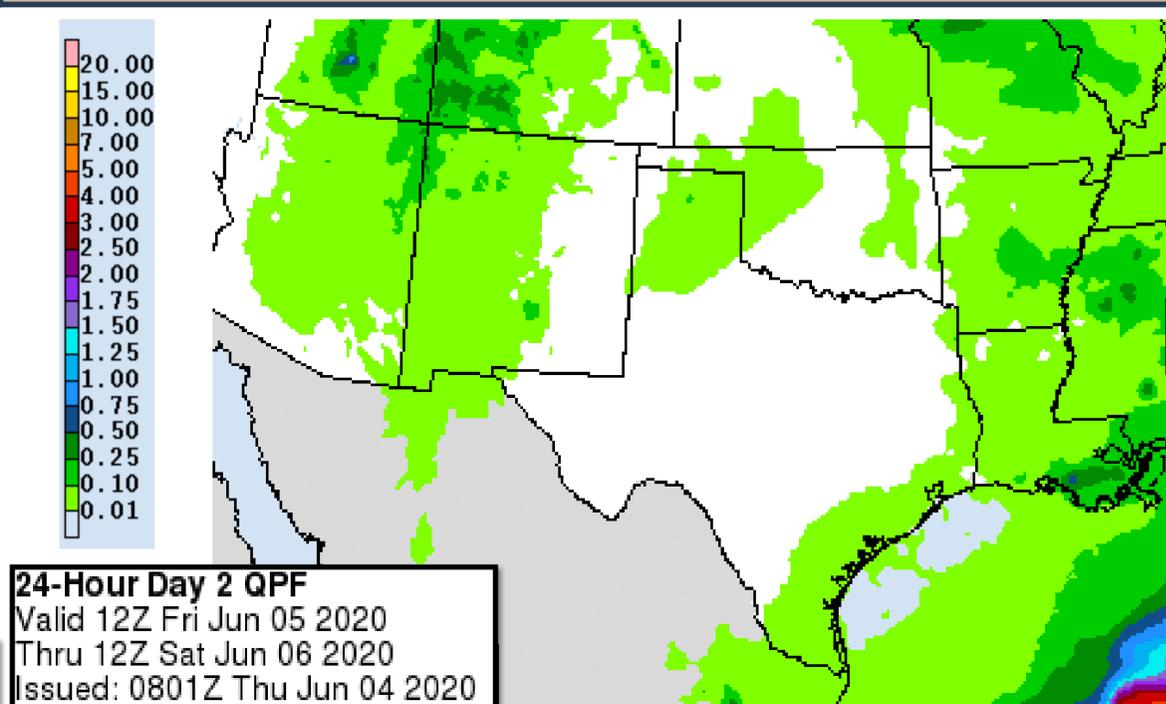
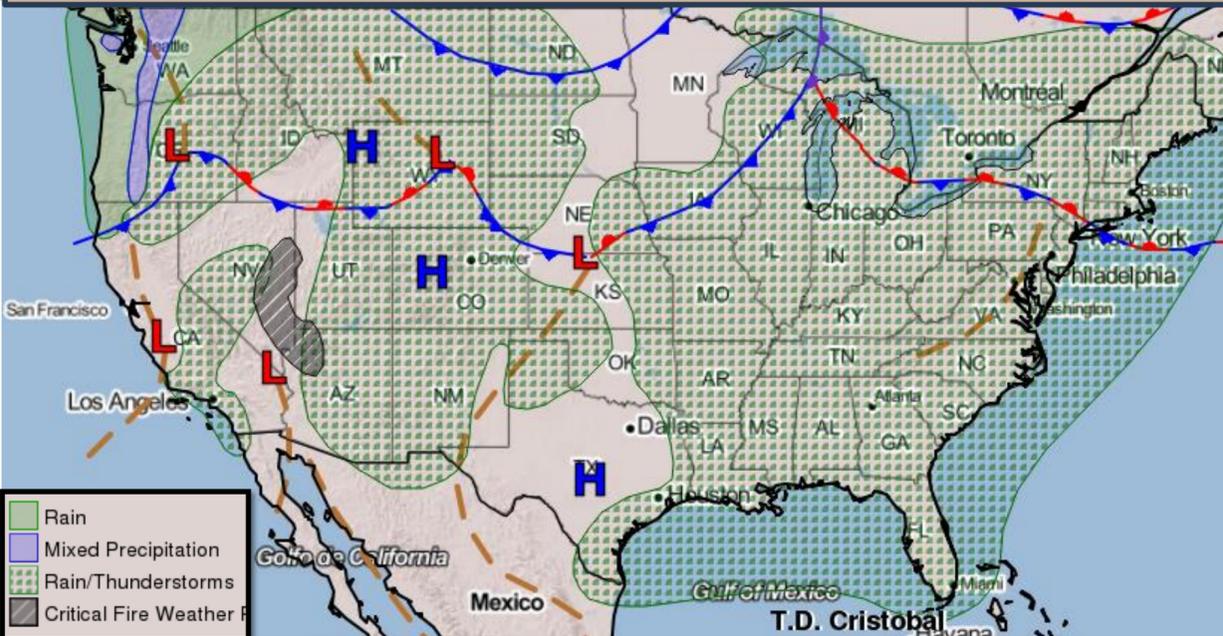


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Forecast Chart

Forecast Rainfall

No significant weather expected.

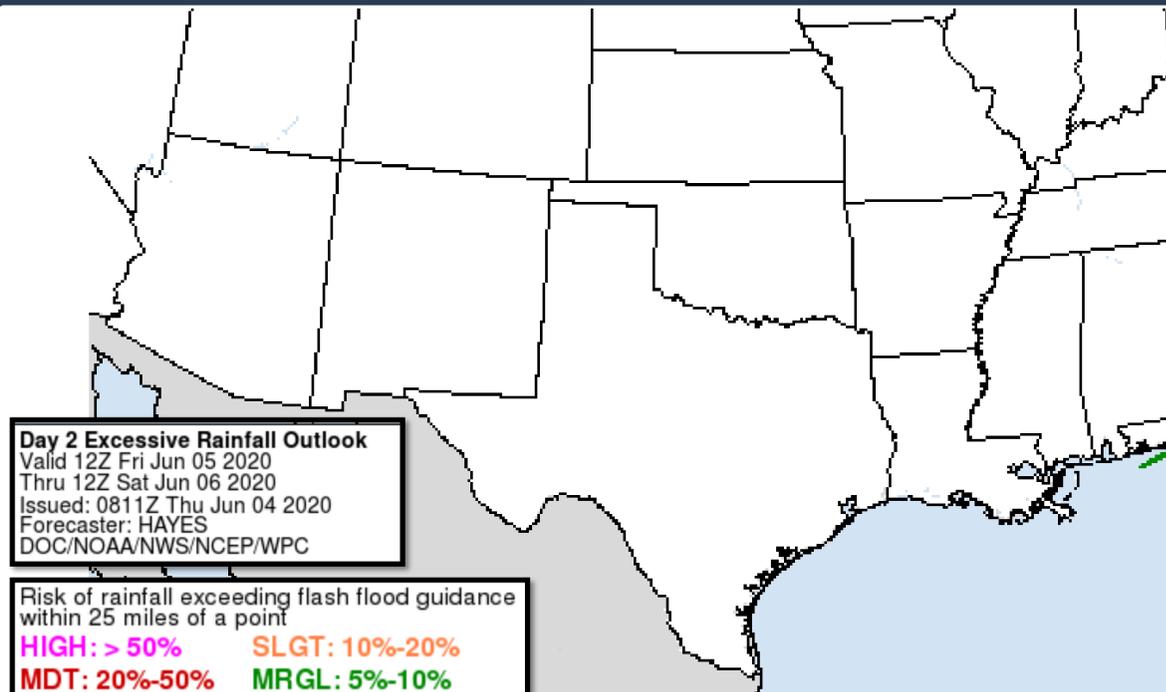
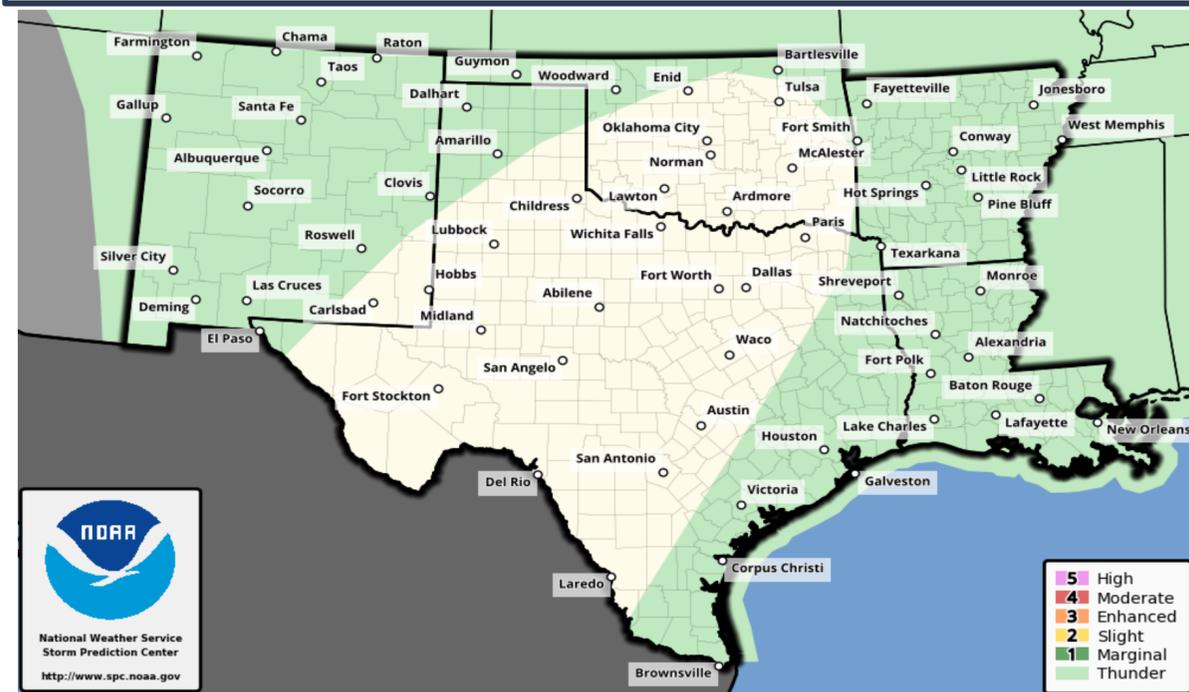


Weather Valid 8am EDT Fri Jun 05 2020 to 8am EDT Sat Jun 06 2020
Fronts Valid 8am EDT Fri Jun 05 2020
Issued 4:42 AM EDT Thu, Jun 04, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Snell with WPC/SPC/NHC forecasts.

24-Hour Day 2 QPF
Valid 12Z Fri Jun 05 2020
Thru 12Z Sat Jun 06 2020
Issued: 0801Z Thu Jun 04 2020

Severe Weather Outlook

Excessive Rainfall Outlook



Day 2 Excessive Rainfall Outlook
Valid 12Z Fri Jun 05 2020
Thru 12Z Sat Jun 06 2020
Issued: 0811Z Thu Jun 04 2020
Forecaster: HAYES
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%**

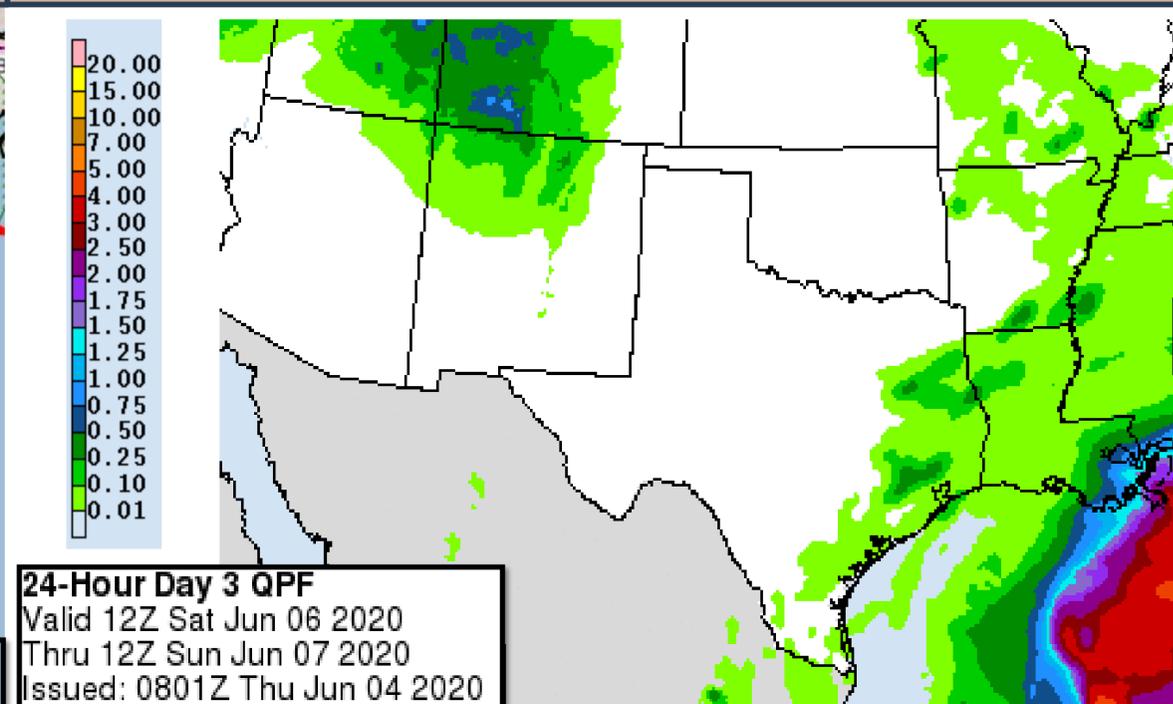
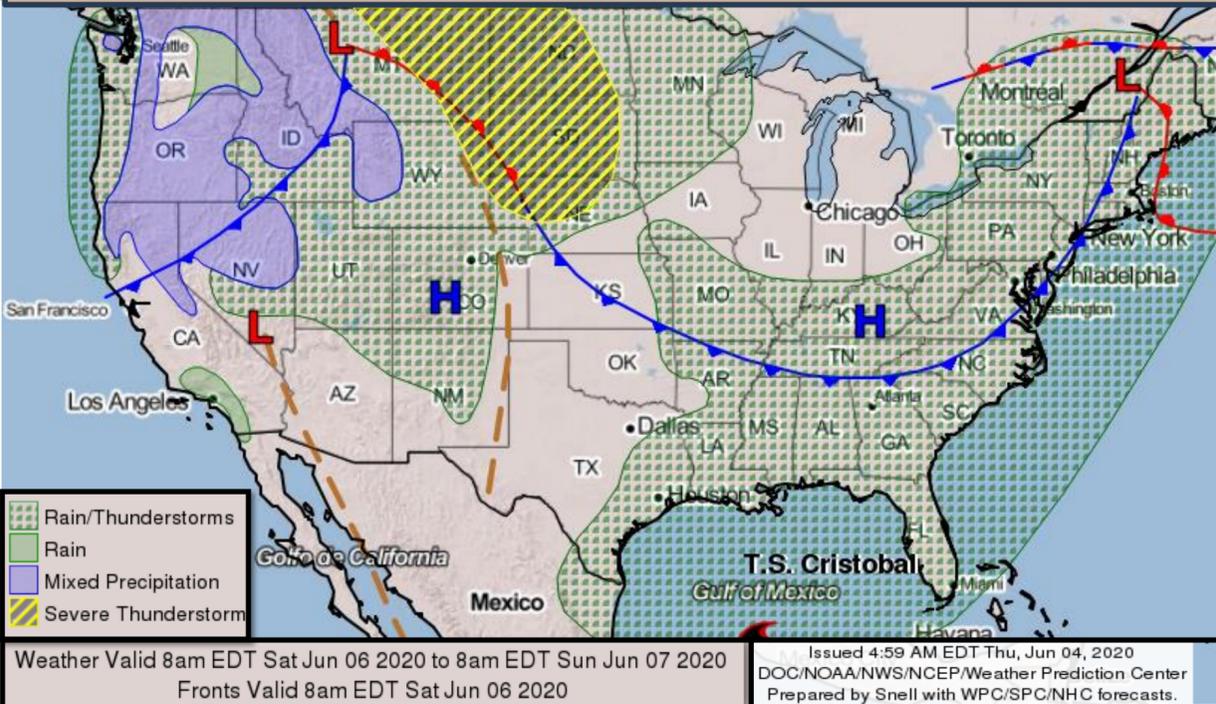
Saturday's Weather



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Forecast Chart

Forecast Rainfall

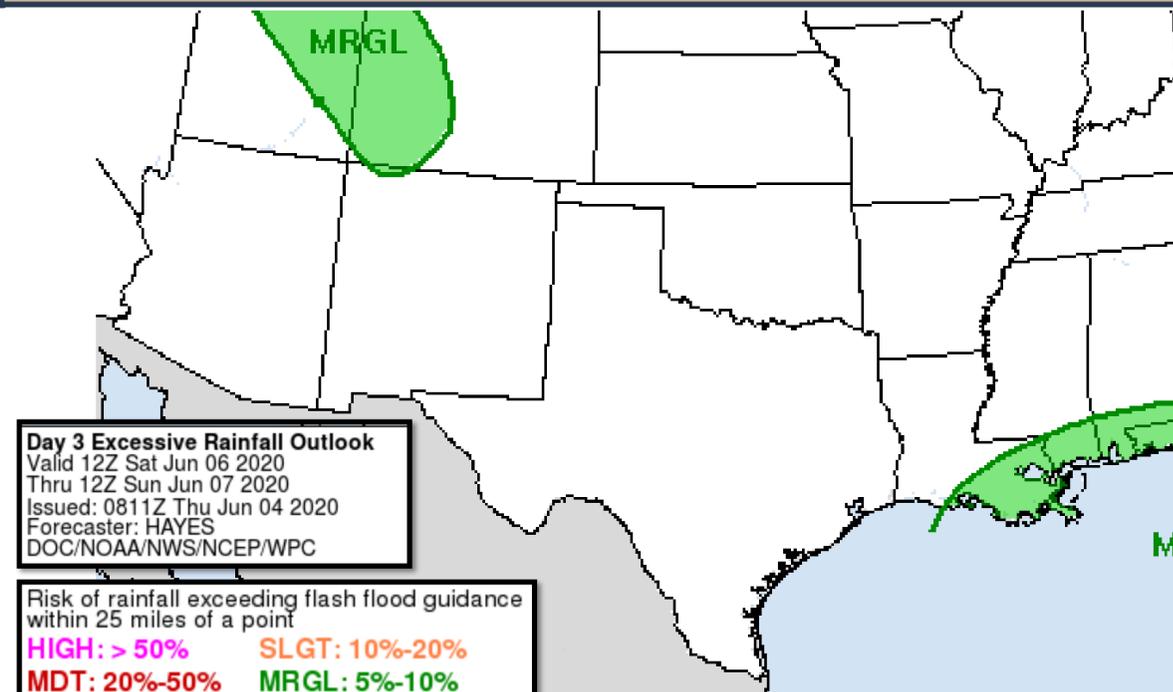
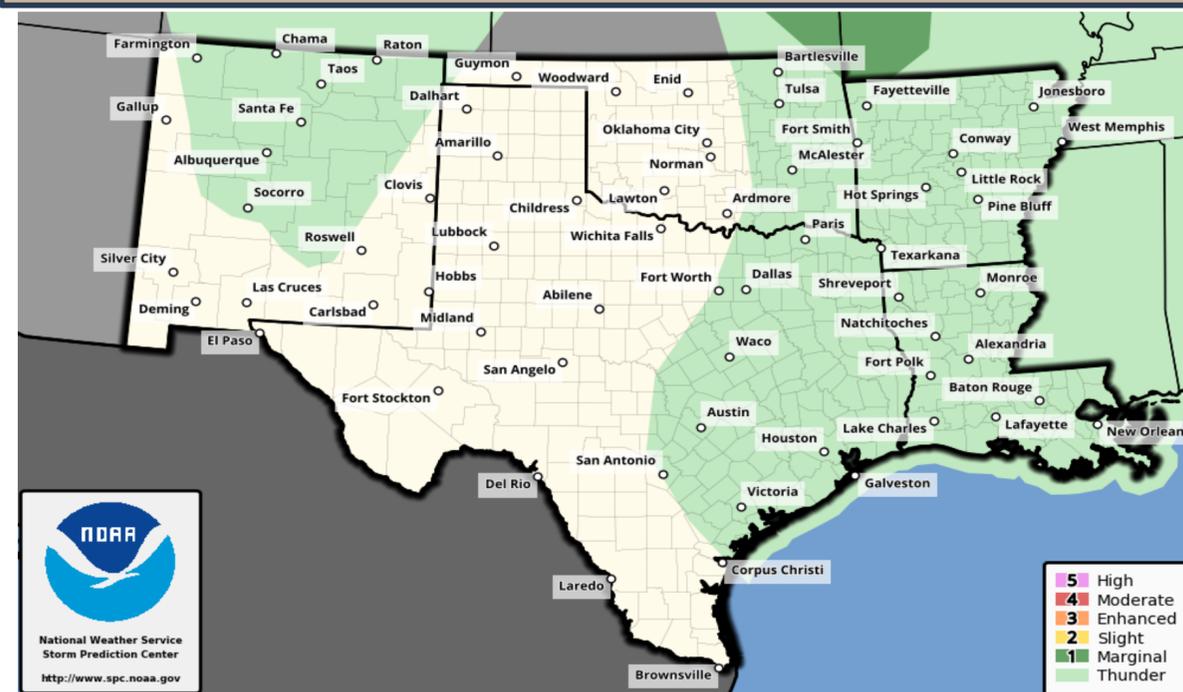


**Heavy rainfall/flash flooding
across SE LA.**

**Tropical storm force winds
could begin as early as
Saturday evening for the
LA coast.**

Severe Weather Outlook

Excessive Rainfall Outlook



Days 4-5 Weather Hazards

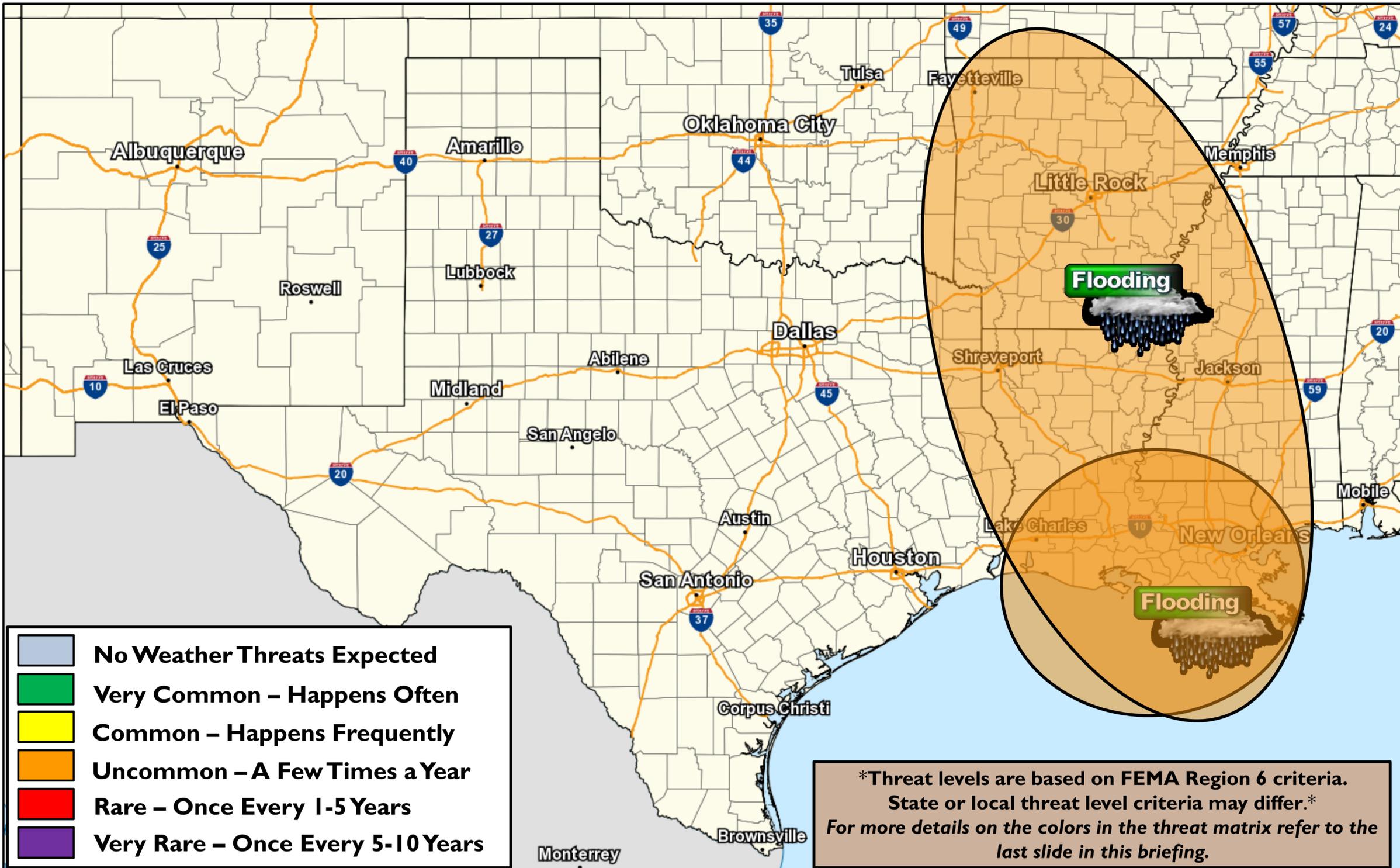
Sunday - Monday



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Heavy rainfall/flash flooding over southern LA on Sunday.

Heavy rainfall/flash flooding across LA/AR and E TX/OK for Monday.

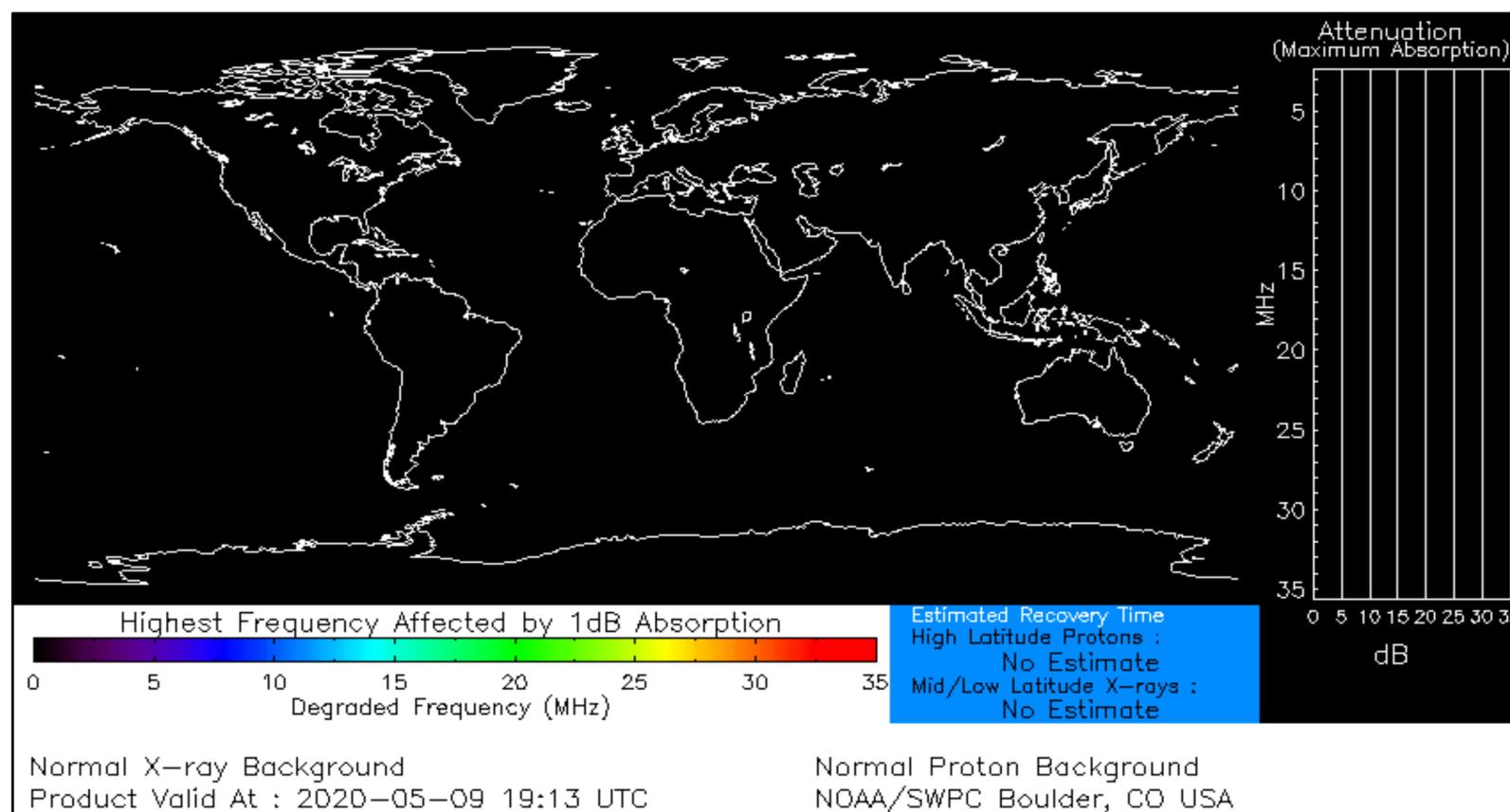


Space Weather 3-Day Forecast



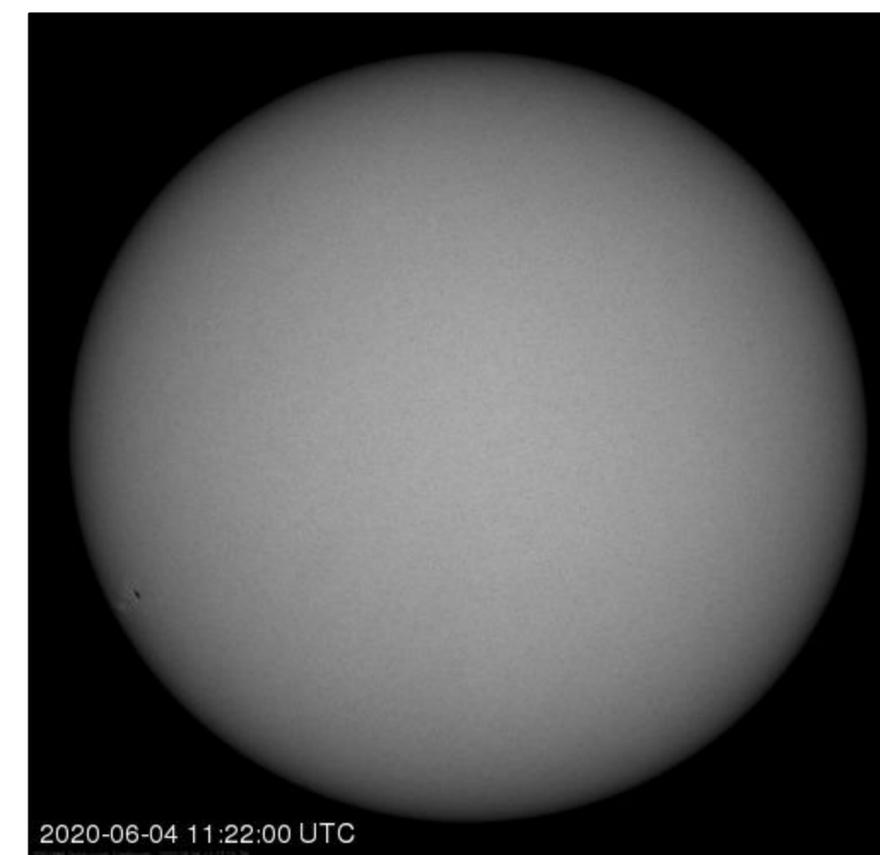
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	Thursday	Friday	Saturday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[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.