



FEMA



Prepared by
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FEMA Region 6 Weather Threat Briefing

Saturday June 6, 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.



NWSSouthern

www.weather.gov/srh



- **Tropical Storm Cristobal is moving north toward the Gulf coast with landfall expected Sunday night.**
 - **Heavy rainfall/flash flooding for LA today through Monday and for AR Monday into Tuesday.**
 - **Tropical storm force winds could begin as early as Sunday morning for LA and the Upper TX Coast.**
 - **Storm surge flooding Sunday into early Monday along the LA coast.**

FEMA Region 6 Threat Matrix



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Jun 6, 2020 - Jun 10, 2020

DAY / THREAT	Sat	Sun	Mon	Tue	Wed
Severe Storms		SE LA			
Heavy Rain / Flash Flooding	SE LA	LA	LA/AR	AR	
Fire Weather	NM	NM	NE NM TX/OK Panhandles		
Tropical Weather		LA/TX	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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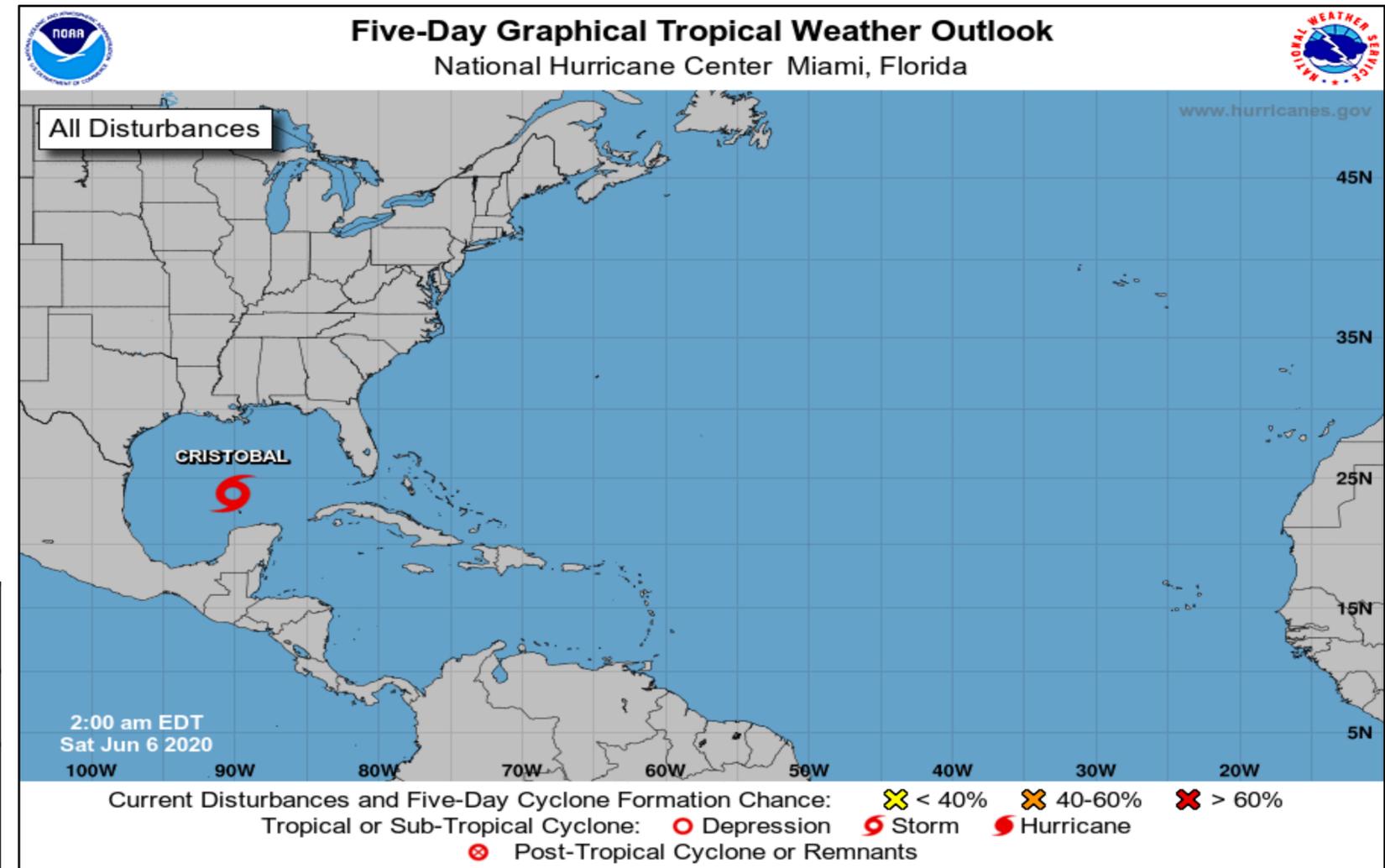
See next slide for more information

Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
-		

Active Tropical Cyclones

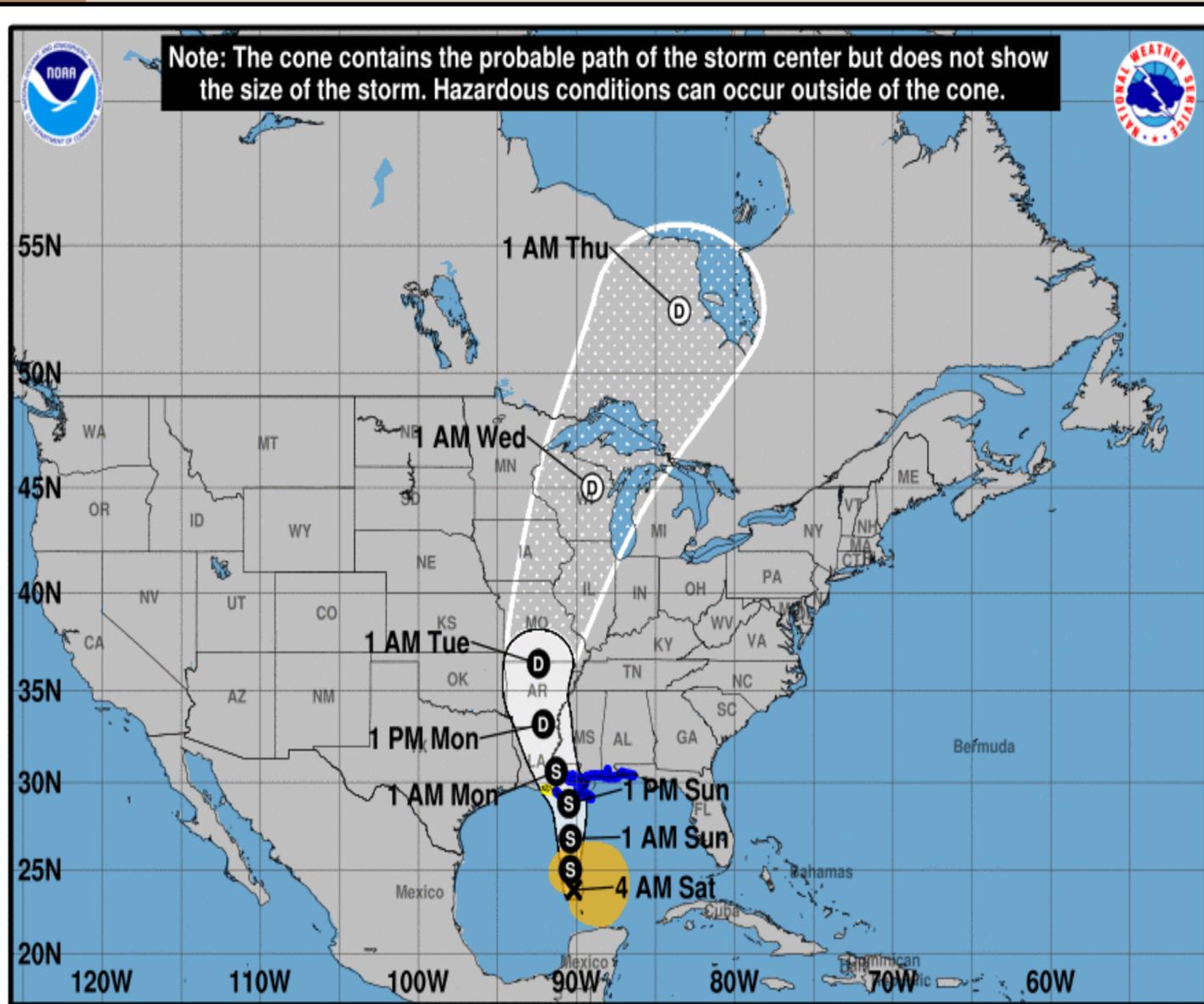
Storm	Potential Impacts to FEMA 6
Cristobal	Heavy rainfall/flash flooding across LA through Monday into AR Monday and Tuesday.



Tropical Depression Cristobal



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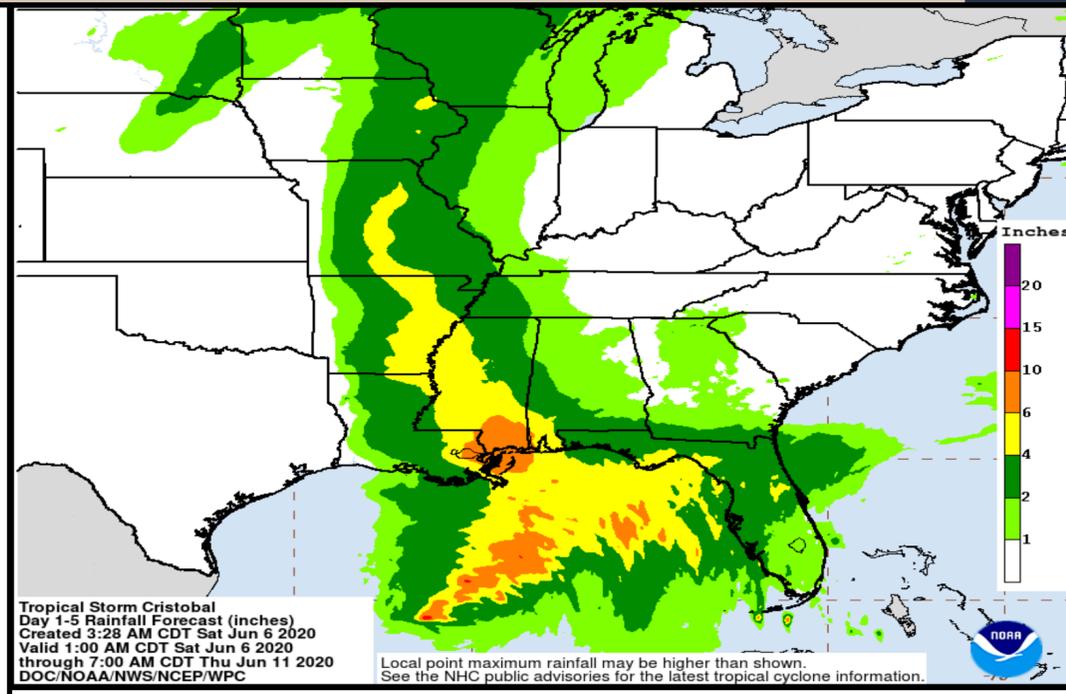
Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.

Tropical Storm Cristobal
Saturday June 06, 2020
4 AM CDT Advisory 19
NWS National Hurricane Center

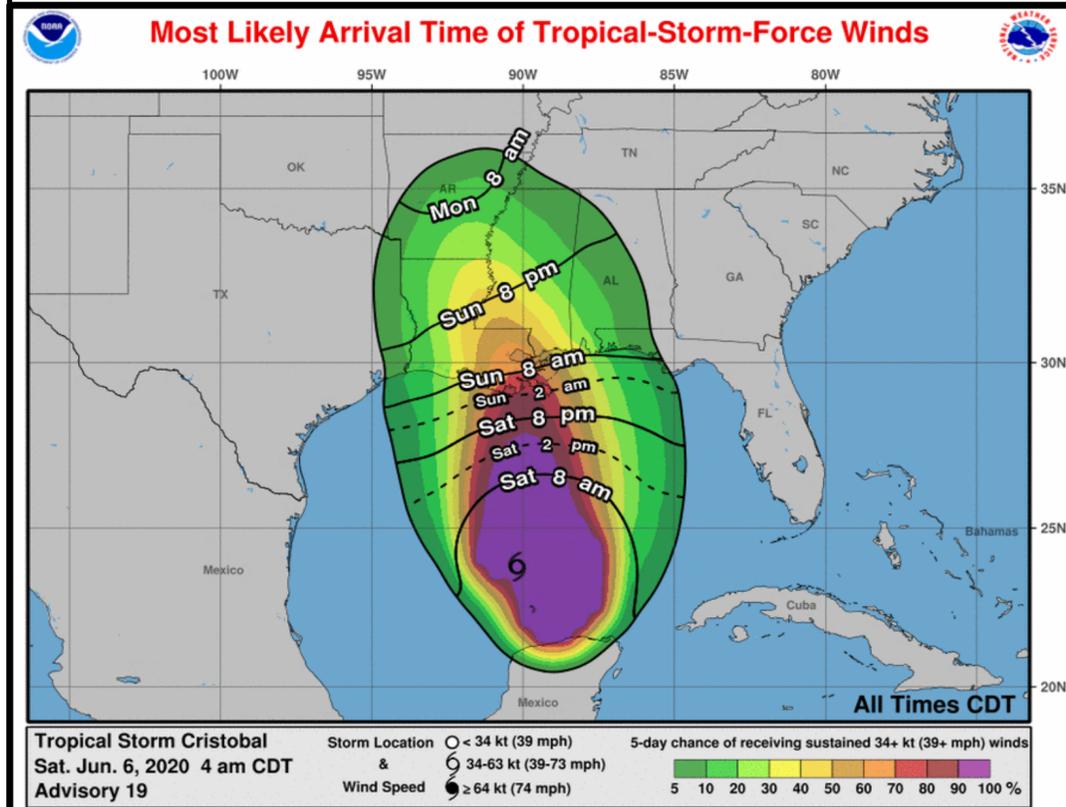
Current information: x
Center location 23.8 N 90.2 W
Maximum sustained wind 45 mph
Movement N at 14 mph

Forecast positions:
● Tropical Cyclone ○ Post/Potential TC
Sustained winds: D < 39 mph
S 39-73 mph H 74-110 mph M > 110 mph

Potential track area: Day 1-3 (solid line), Day 4-5 (dotted line)
Watches: Hurricane (pink), Trop Stm (yellow)
Warnings: Hurricane (red), Trop Stm (blue)
Current wind extent: Hurricane (brown), Trop Stm (orange)



Tropical Storm Cristobal
Day 1-5 Rainfall Forecast (inches)
Created 3:28 AM CDT Sat Jun 6 2020
Valid 1:00 AM CDT Sat Jun 6 2020 through 7:00 AM CDT Thu Jun 11 2020
DOC/NOAA/NWS/NCEP/WPC
Local point maximum rainfall may be higher than shown. See the NHC public advisories for the latest tropical cyclone information.



Most Likely Arrival Time of Tropical-Storm-Force Winds

Tropical Storm Cristobal
Sat. Jun. 6, 2020 4 am CDT
Advisory 19

Storm Location & Wind Speed:
○ < 34 kt (39 mph)
○ 34-63 kt (39-73 mph)
● ≥ 64 kt (74 mph)

5-day chance of receiving sustained 34+ kt (39+ mph) winds:
5 10 20 30 40 50 60 70 80 90 100 %

Heavy rainfall/flash flooding for LA through Monday into AR Monday and Tuesday.

Tropical storm force winds along the LA and Upper TX coasts as early as Sunday morning.

5-Day Precipitation Forecast & River Flood Status



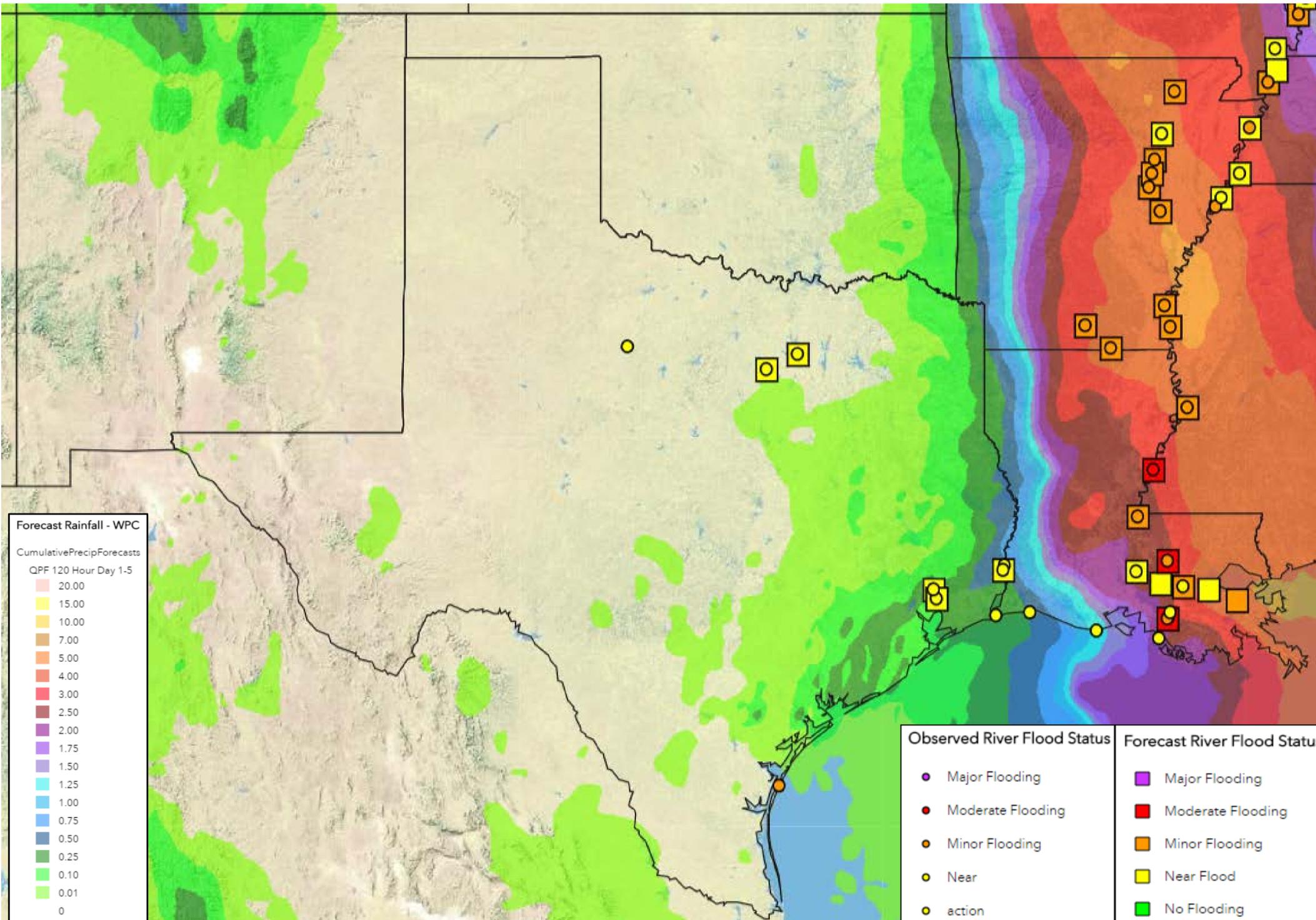
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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall

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

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.**



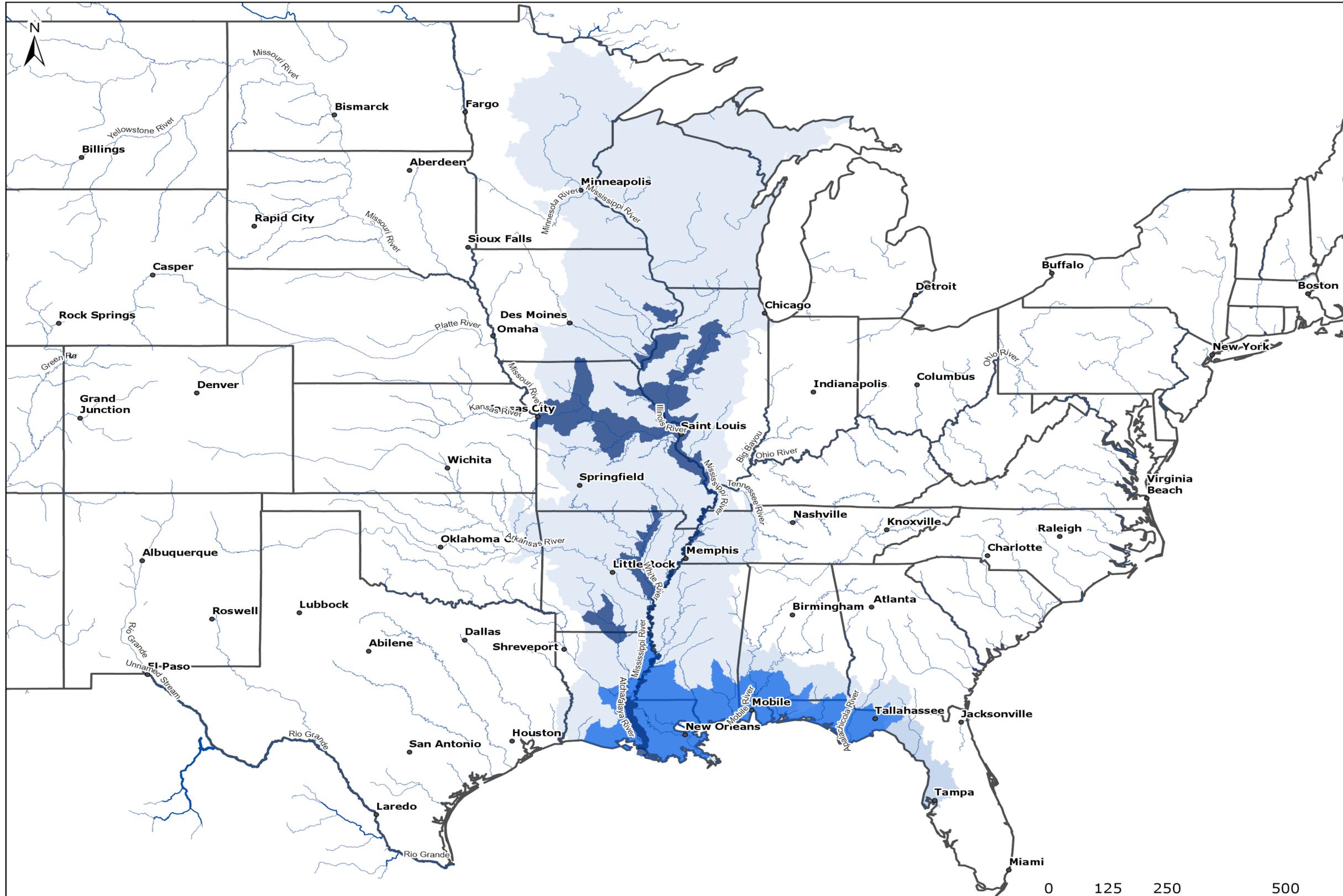
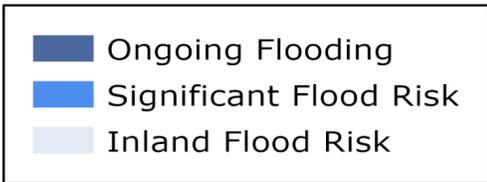


Tropical Storm Cristobal Inland Flood Risk

Issued: 11:30 UTC 06 June 2020 - Valid through 11:30 UTC June 11 2020

Key Messages

- Although dry conditions across the Gulf Coast may lessen the impact of heavy tropical rains, heavy rainfall will continue to spread into portions of the Gulf Coast, from Florida to east Texas, early next week, which may result in areas of flash flooding. Significant flooding will be possible on smaller tributaries; especially where the heavier rainfall bands set up across portions of the Gulf Coast and Lower Mississippi Valley.
- As T.S. Cristobal continues to move inland, the risk of flooding increases across the Middle and Upper Mississippi River Valley. Remnant moisture from 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.
- While it is too soon to determine the exact location, timing, and magnitude of hydrologic impacts, parties with interests from the Gulf Coast up into the Upper Mississippi River Valley should monitor progress of T.S. Cristobal and ensure they



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 6 June 2020

Today's Weather

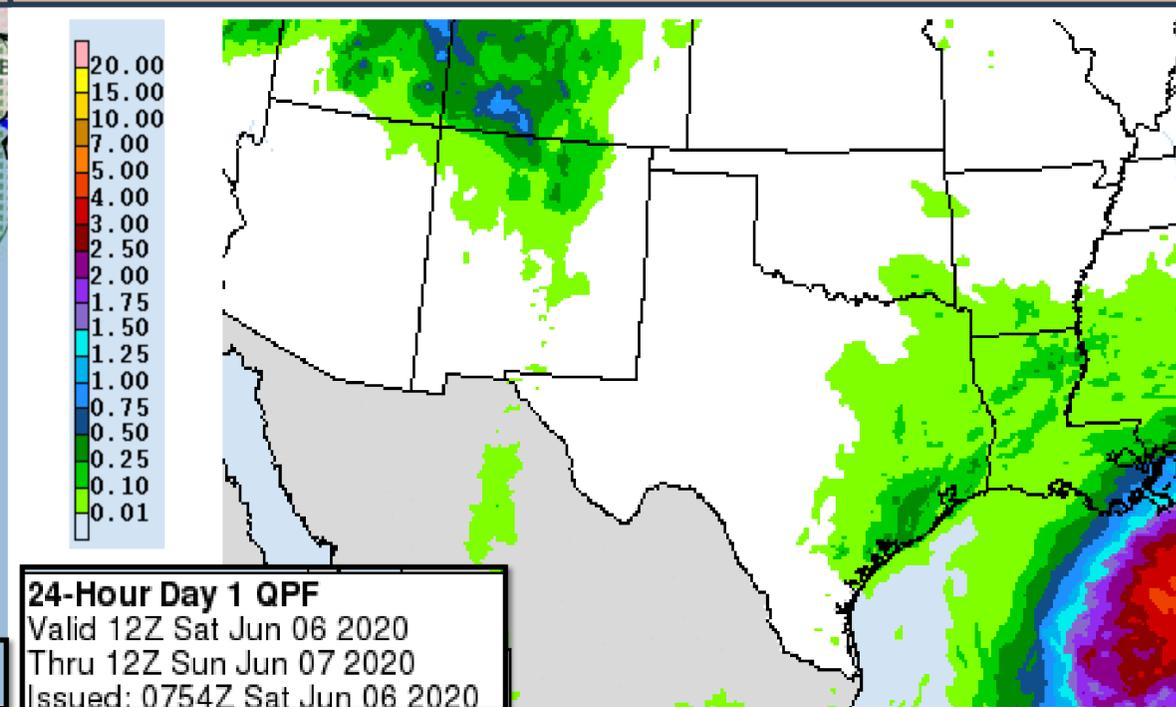
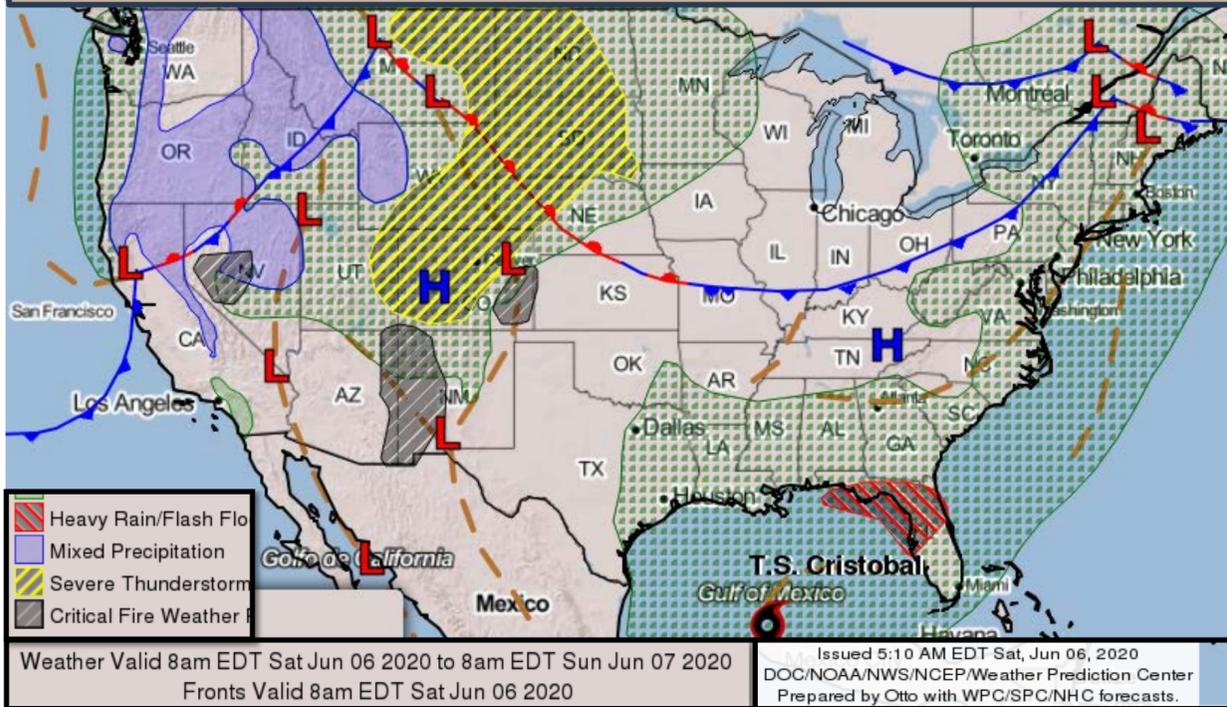


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Forecast Chart

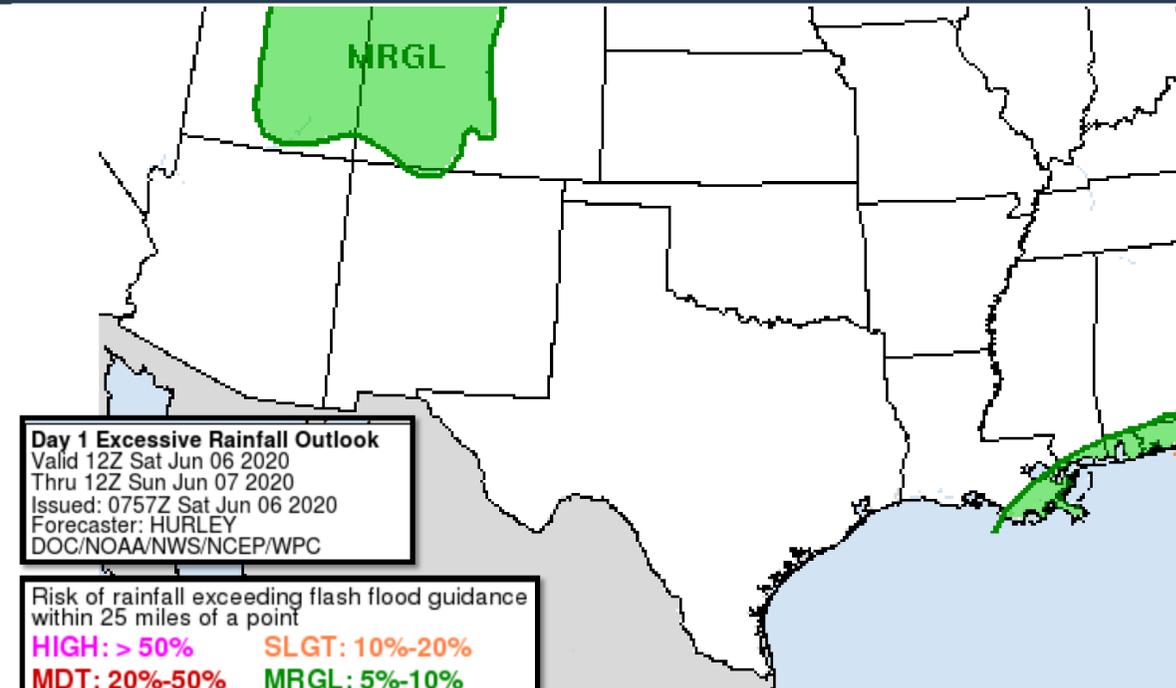
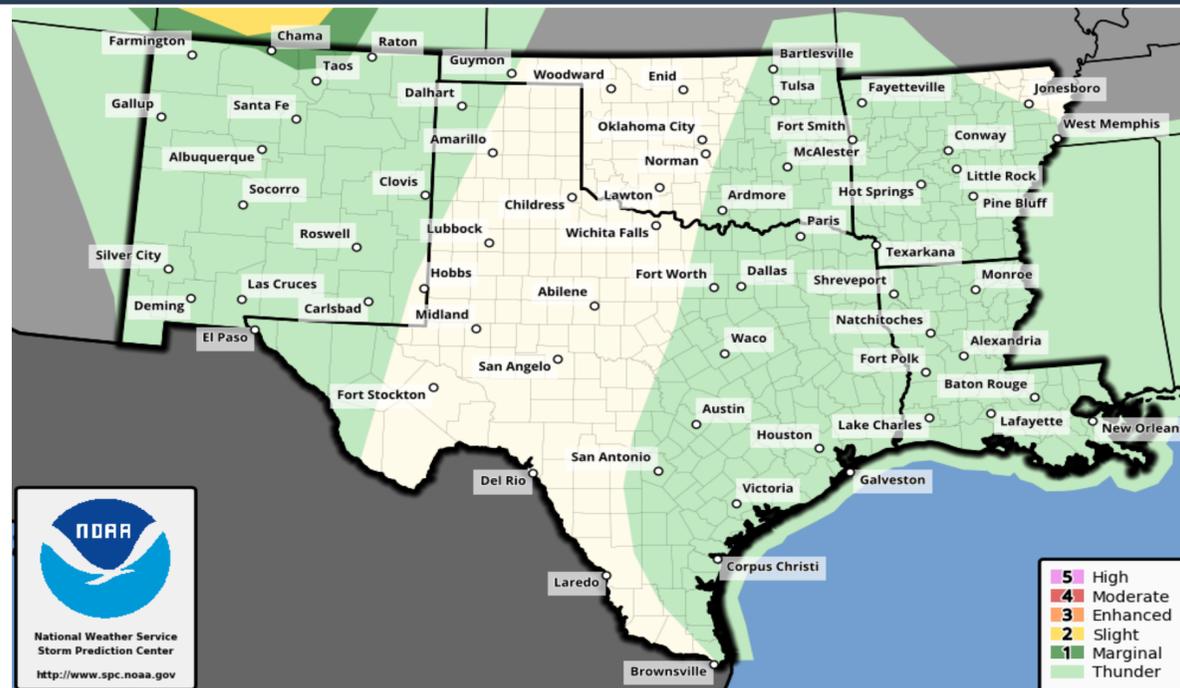
Forecast Rainfall

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



Severe Weather Outlook

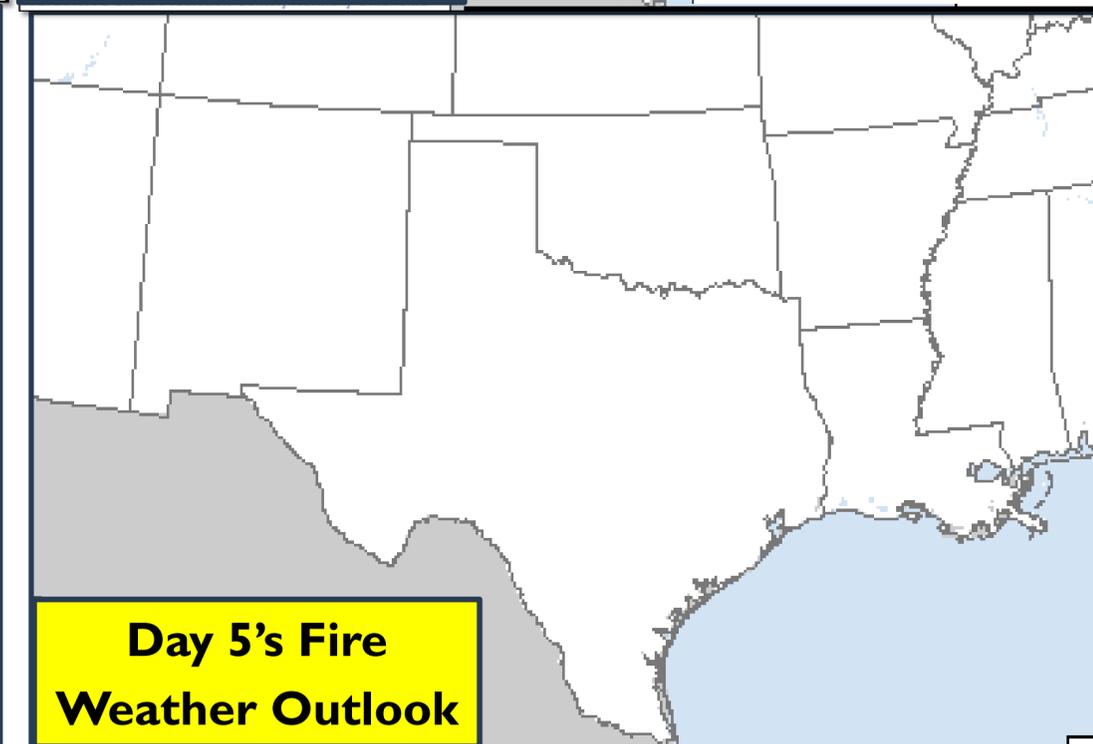
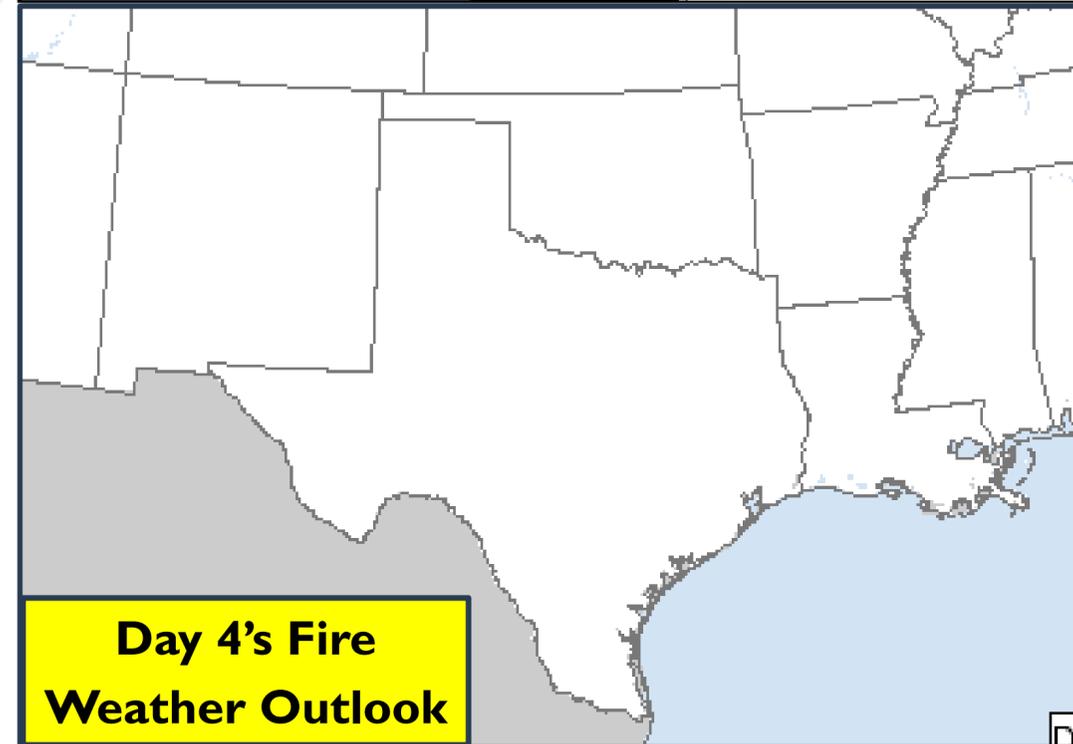
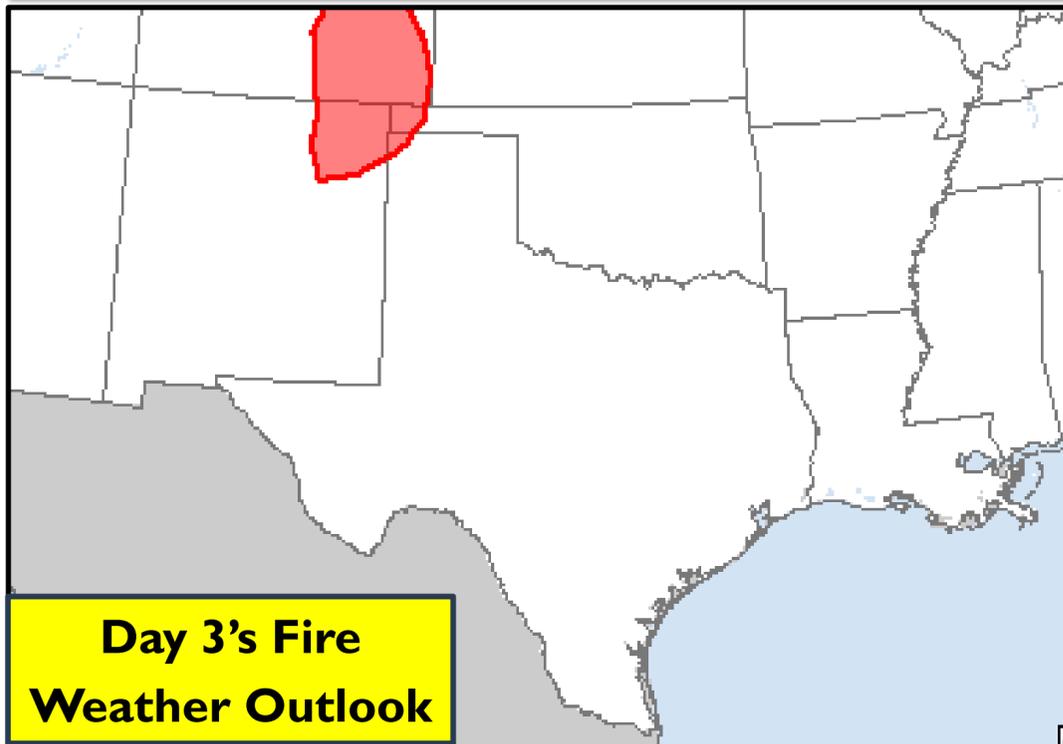
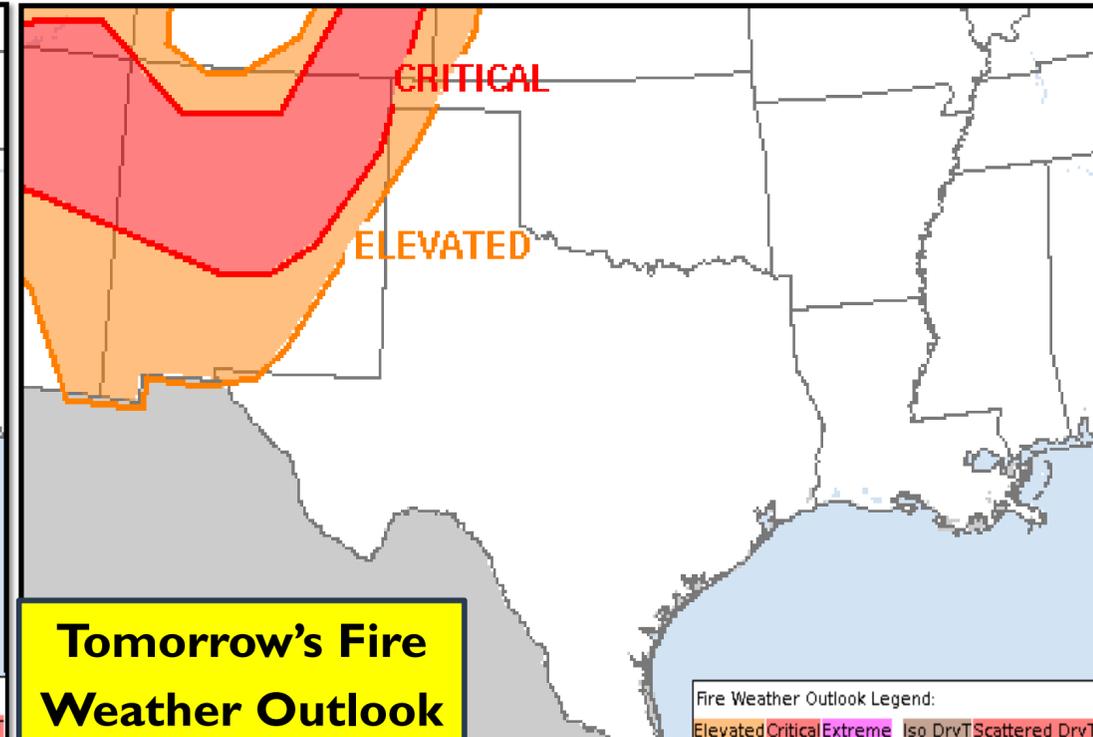
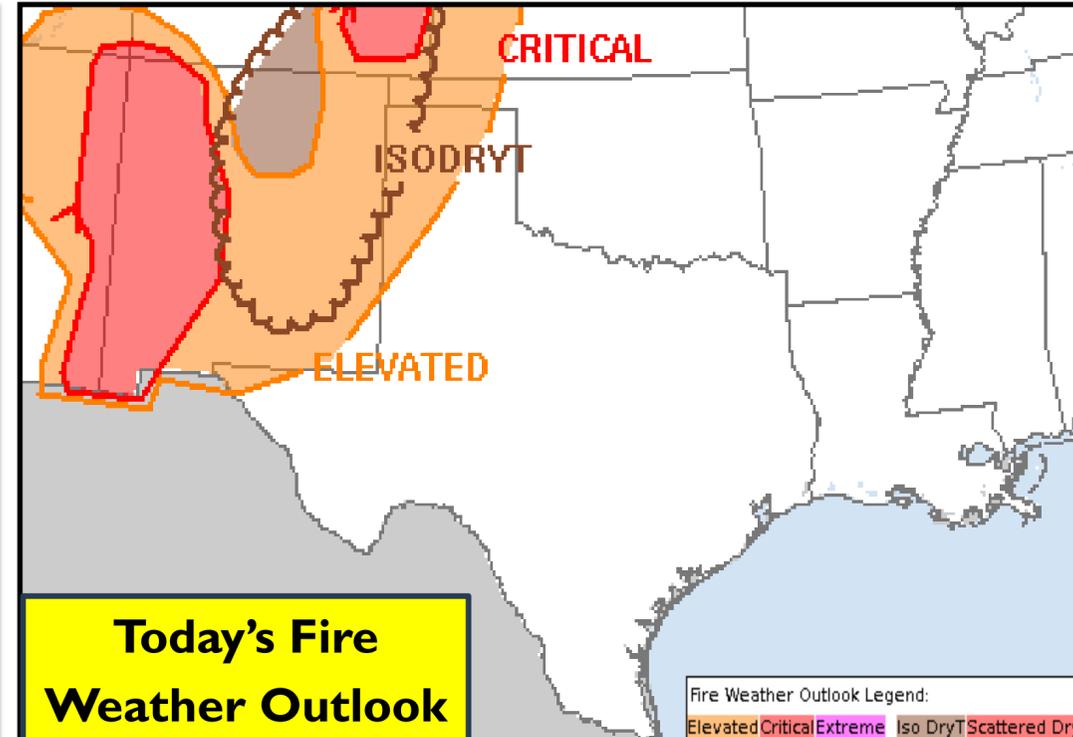
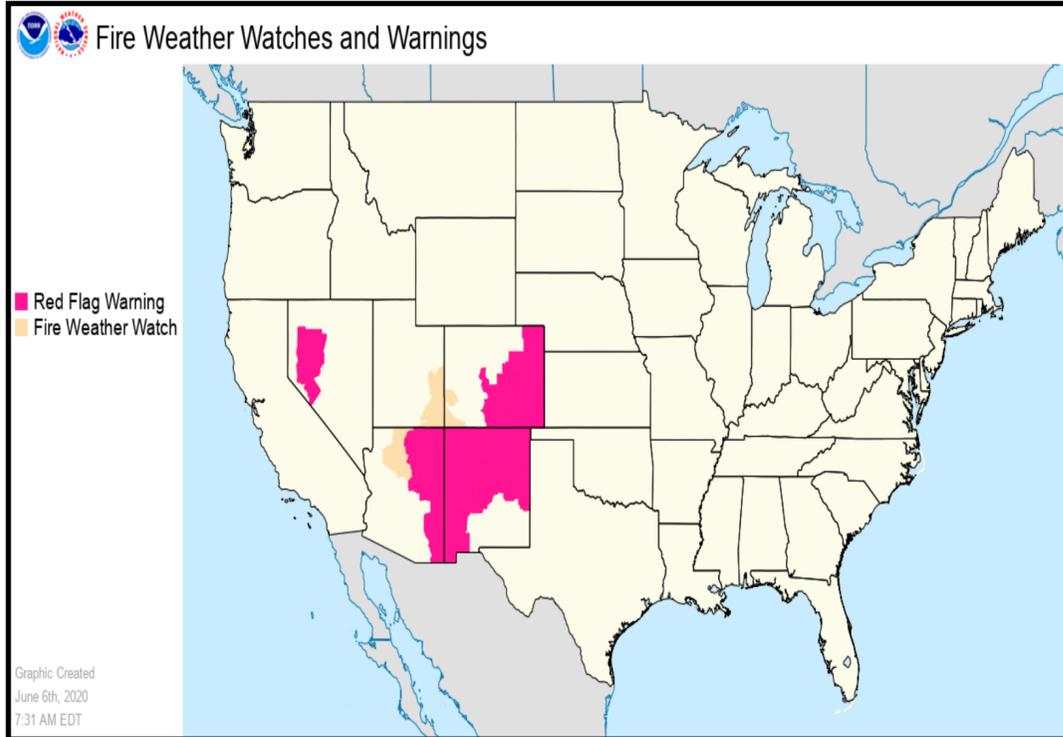
Excessive Rainfall Outlook



Fire Weather Outlooks



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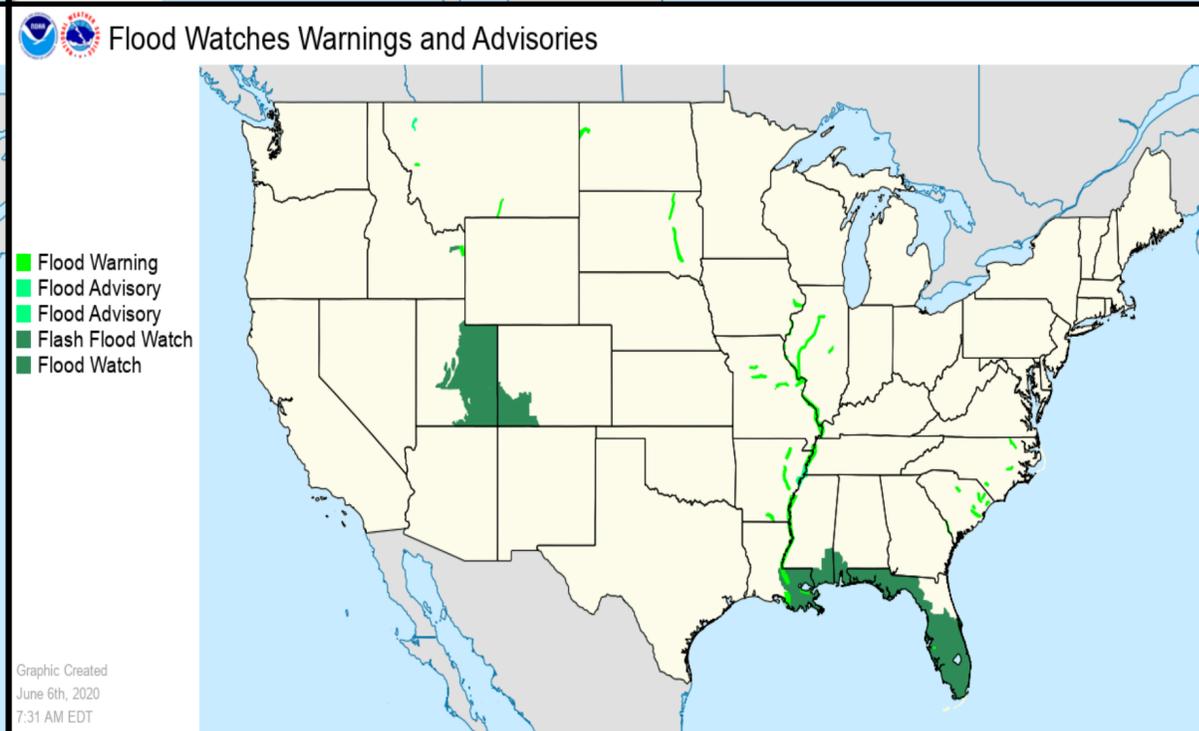
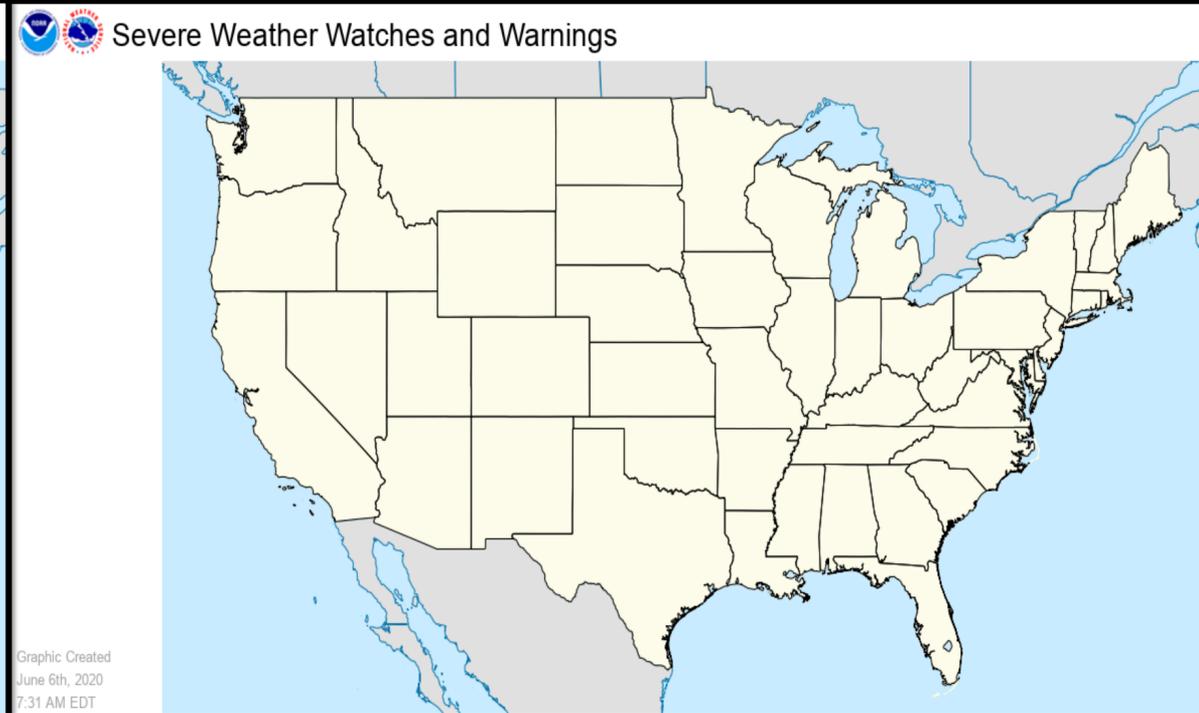
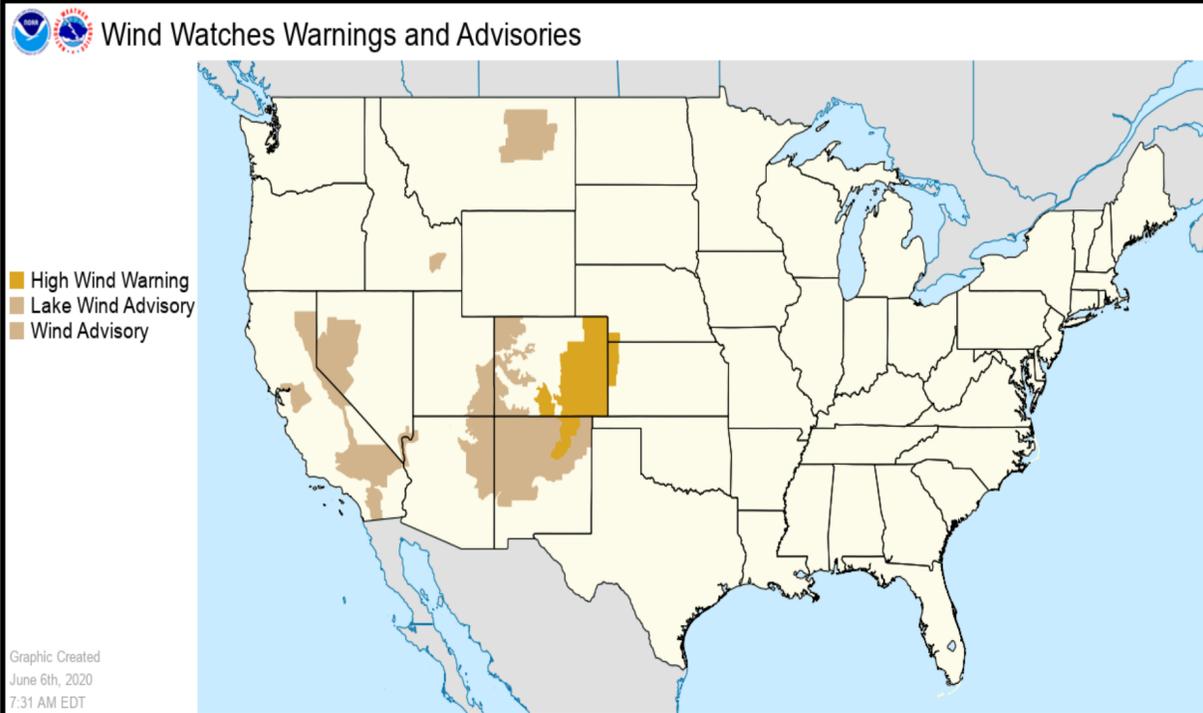
Watches, Warnings, and Advisories



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Wind, Severe, Winter, and Flood Hazards

Flood watches in effect for SE LA through 7am Tuesday.



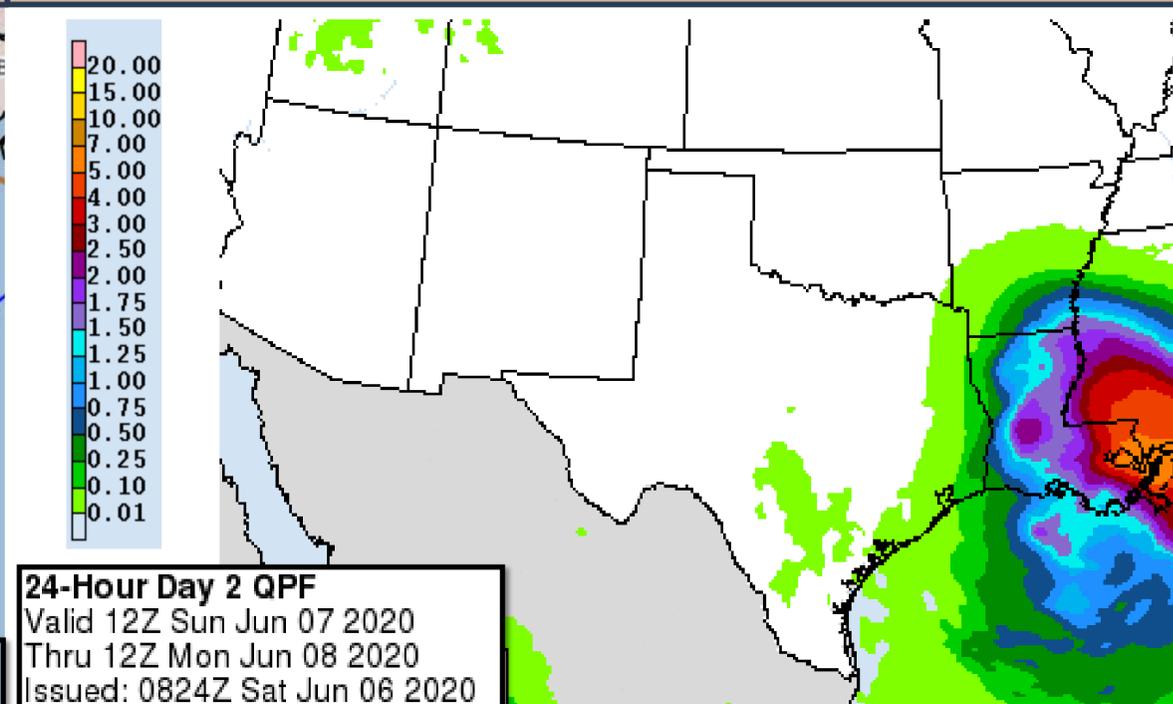
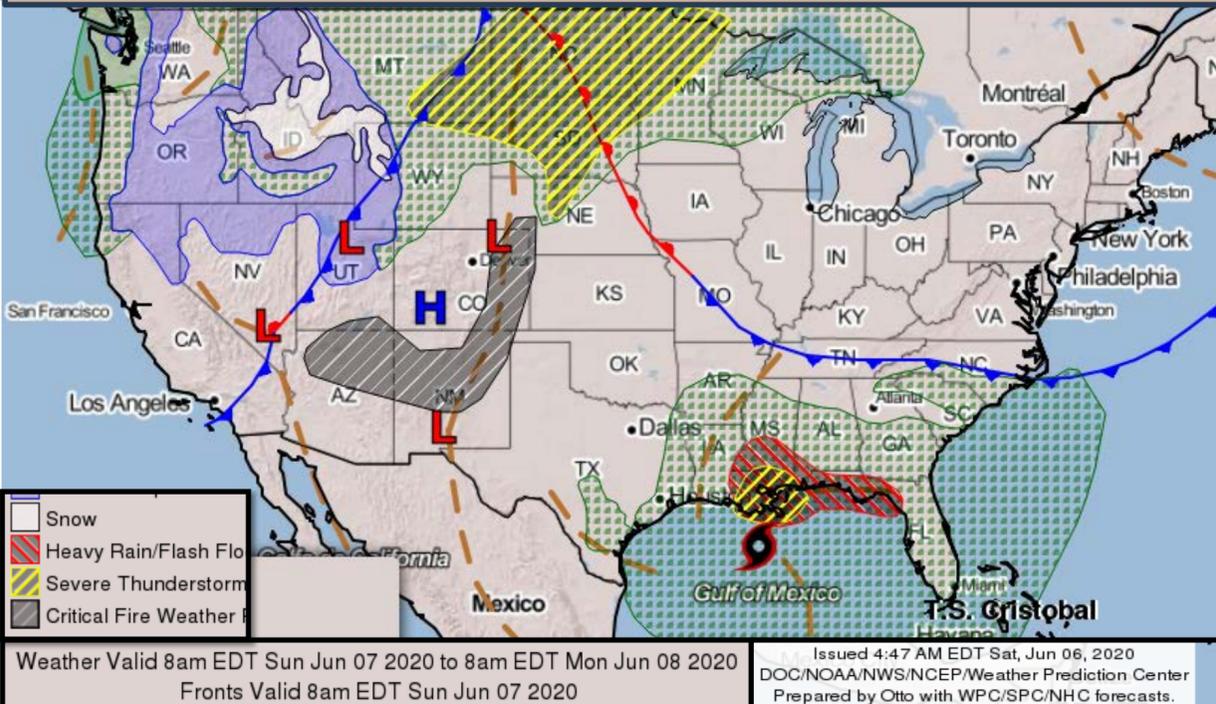
Tomorrow's Weather



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Forecast Chart

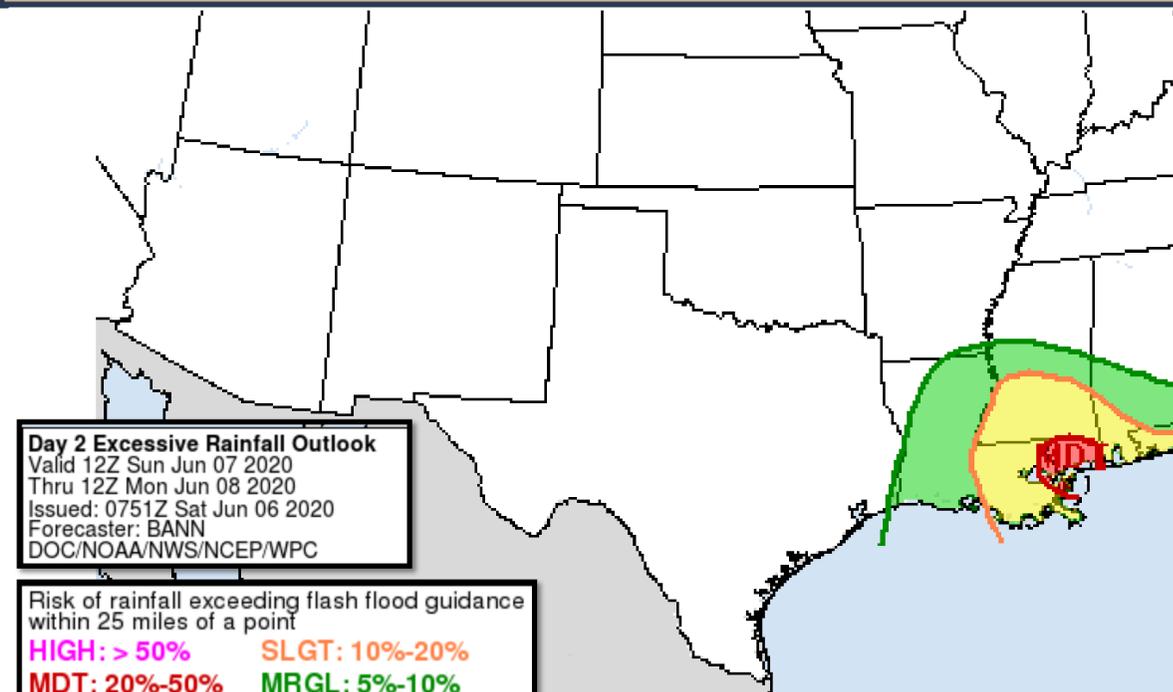
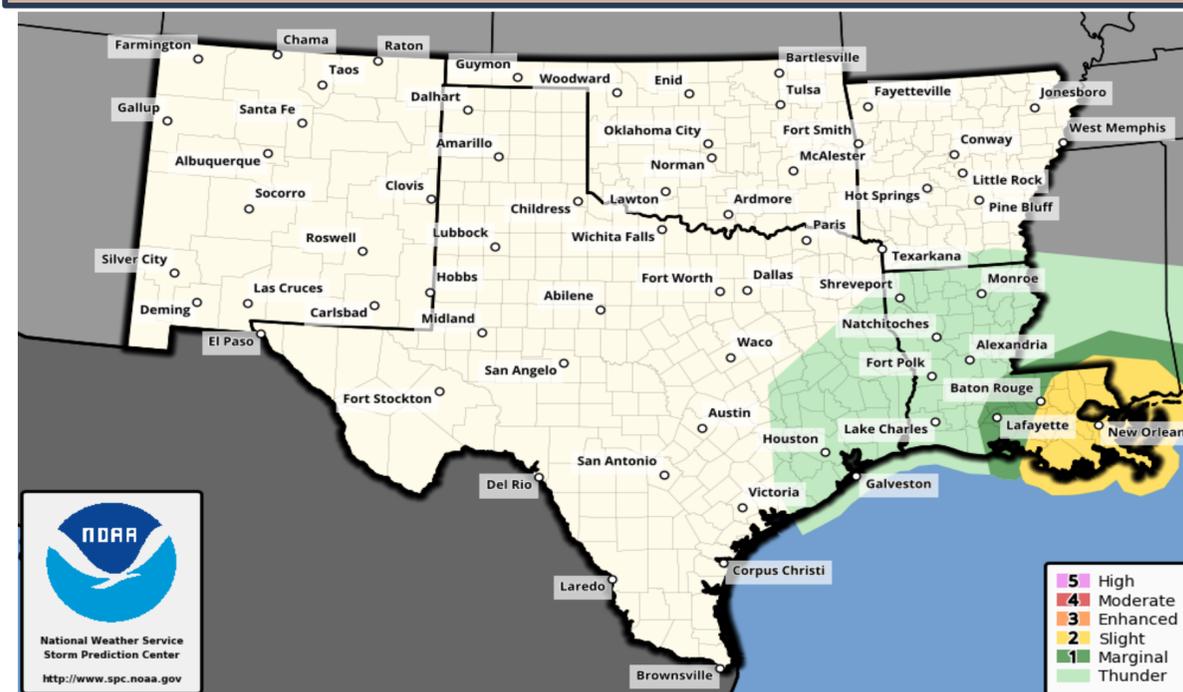
Forecast Rainfall



- Heavy rainfall/flash flooding across S LA.**
- Storm surge flooding along the LA coast.**
- Tropical Storm force winds along the LA/upper TX coast.**
- Isolated tornadoes across SE LA associated with Cristobal.**

Severe Weather Outlook

Excessive Rainfall Outlook



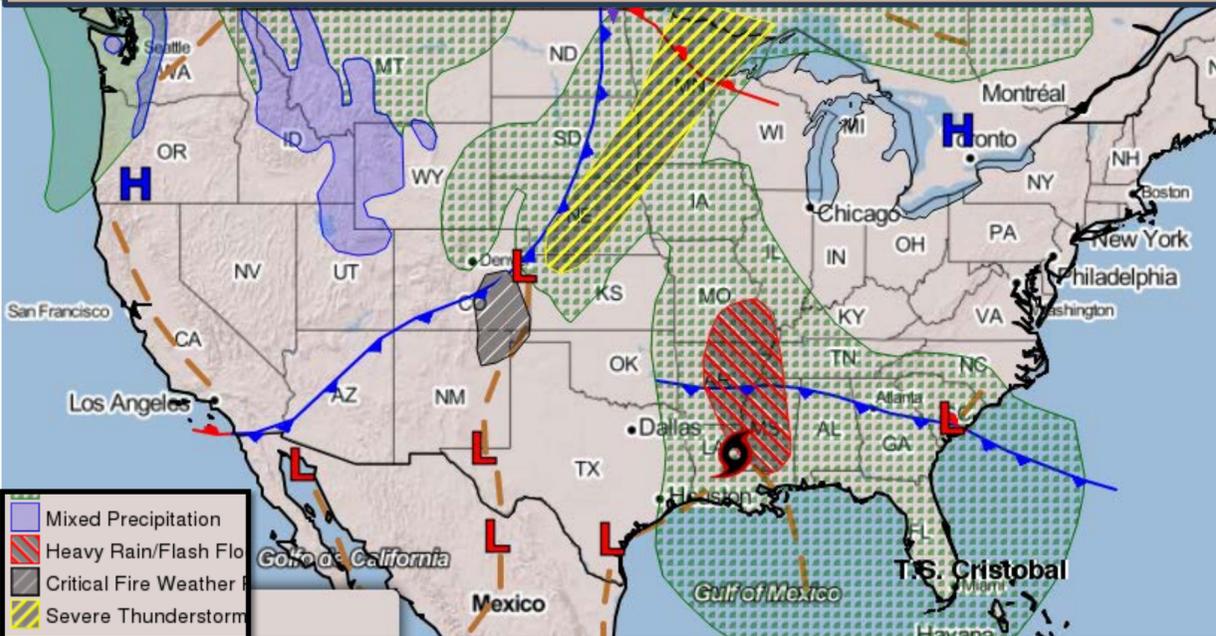
Monday's Weather



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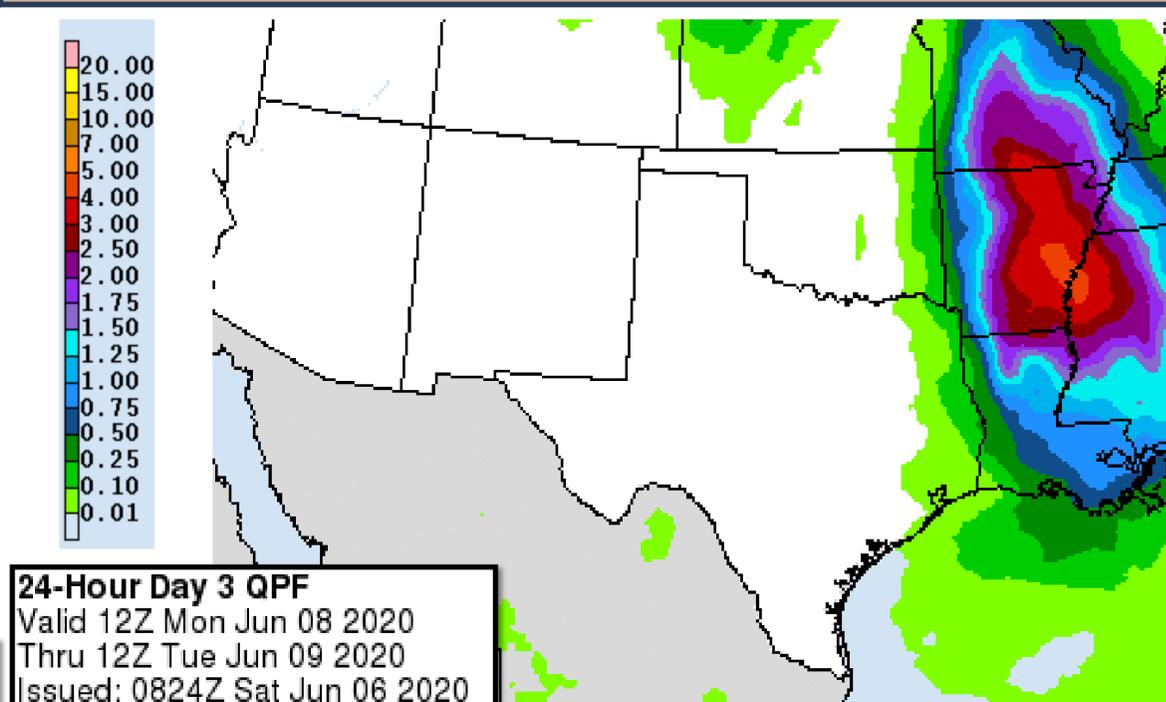
Forecast Chart

Forecast Rainfall



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

Issued 5:00 AM EDT Sat, Jun 06, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Otto with WPC/SPC/NHC forecasts.



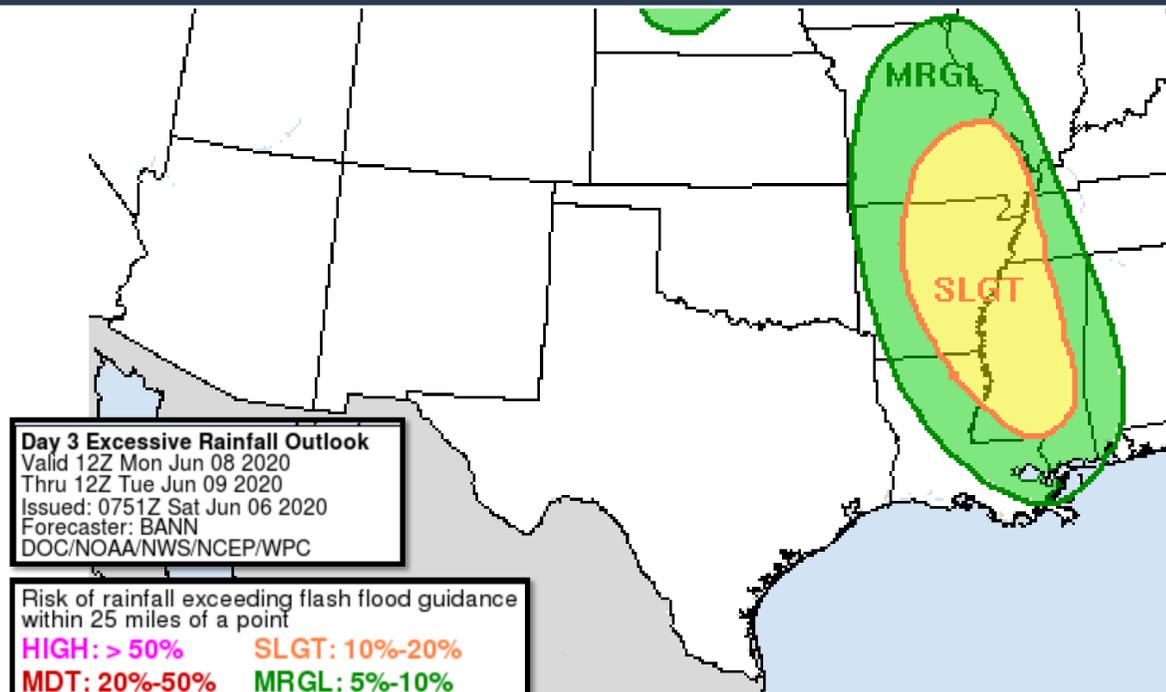
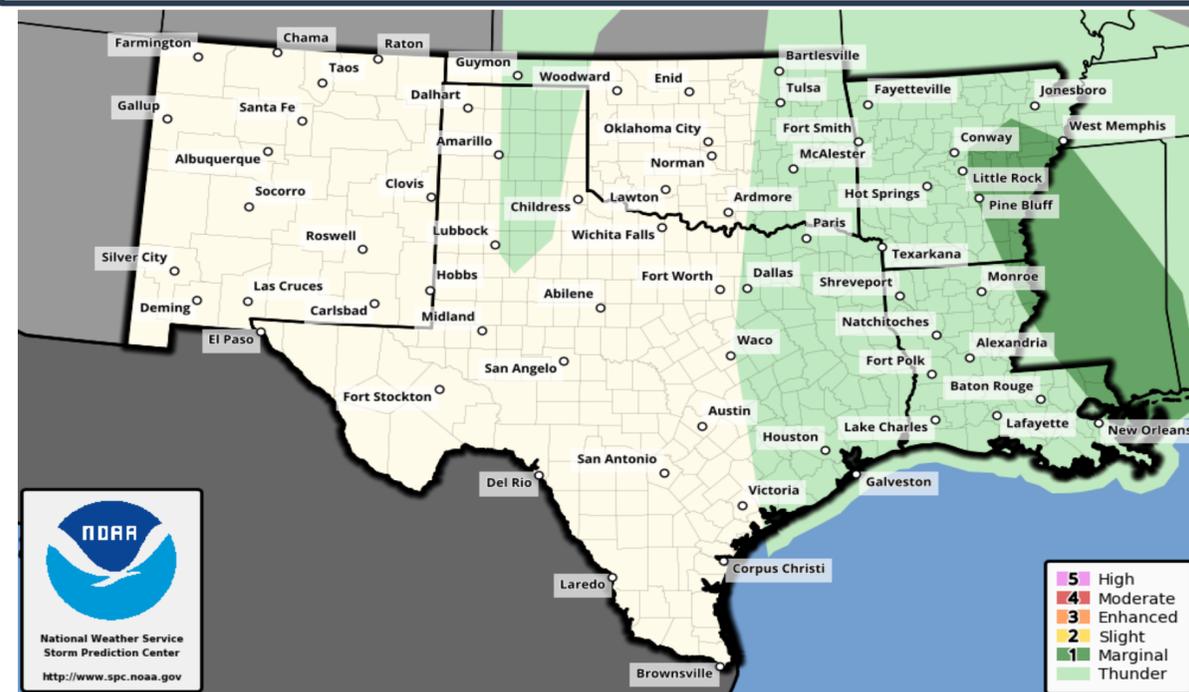
24-Hour Day 3 QPF
Valid 12Z Mon Jun 08 2020
Thru 12Z Tue Jun 09 2020
Issued: 0824Z Sat Jun 06 2020

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

**Tropical Storm force winds
across parts of LA.**

Severe Weather Outlook

Excessive Rainfall Outlook

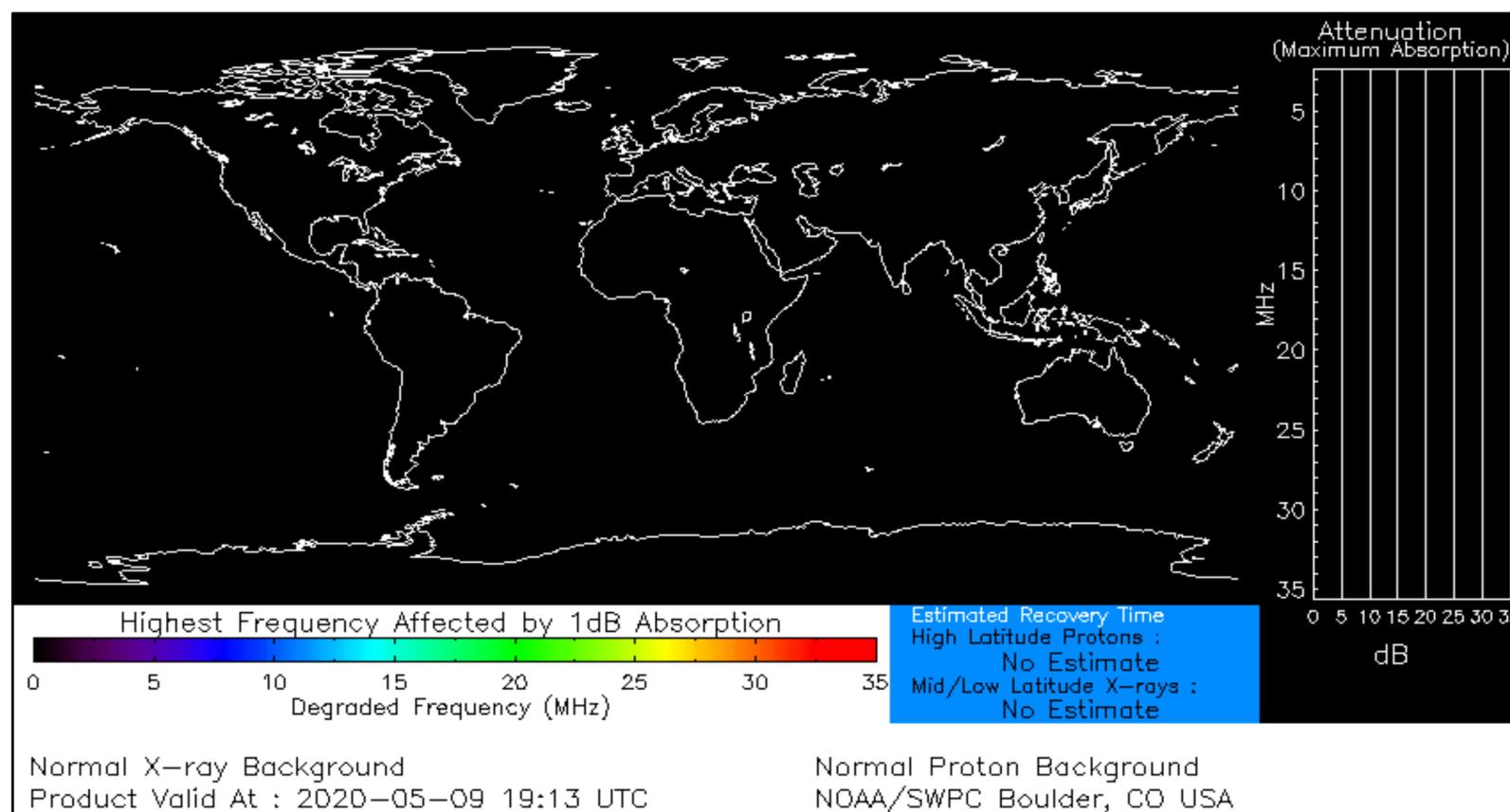


Space Weather 3-Day Forecast



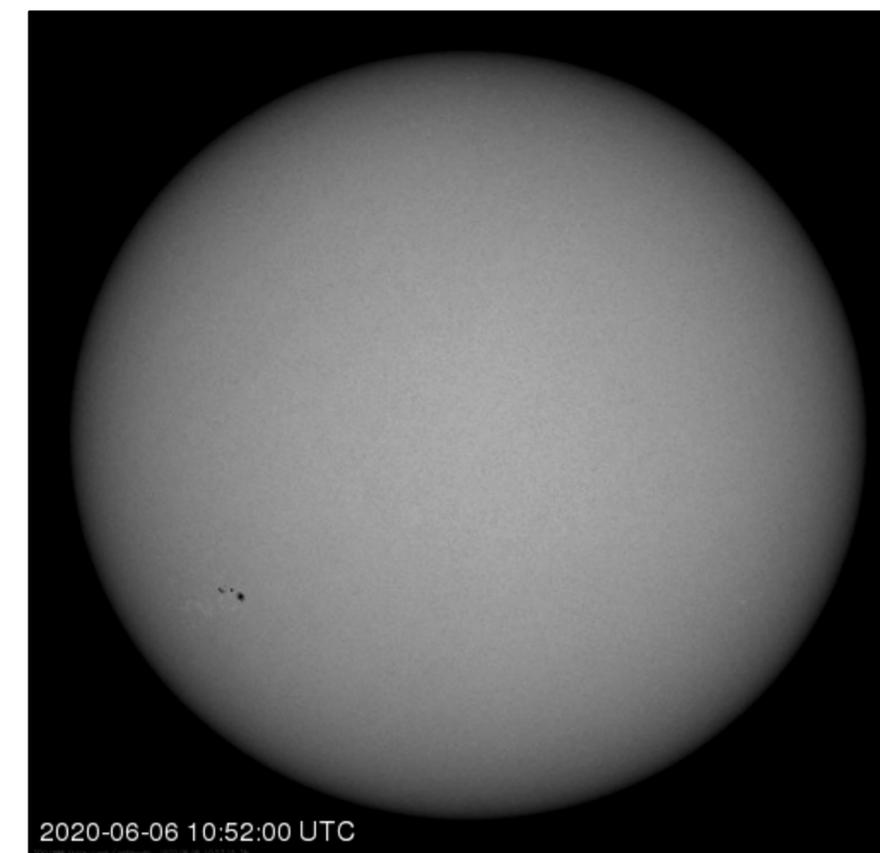
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	Saturday	Sunday	Monday
Geomagnetic Storms	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[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.