



# FEMA



Prepared by  
*Kurt Van Speybroeck*

# FEMA Region 6 Weather Threat Briefing

Thursday April 9, 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).



NWSSouthern

[www.weather.gov/srh](http://www.weather.gov/srh)



- **Enhanced risk area for severe thunderstorms across parts of SE TX (2+ inch hail/damaging winds) with isolated heavy rain/flash flooding.**
- **Isolated strong/severe thunderstorms across parts of W TX Friday.**
- **Slight risk area for severe thunderstorms on Saturday across TX into SW LA.**
- **Enhanced risk area for severe thunderstorms (2+ inch hail/tornadoes) across LA on Sunday. Slight risk area extend across SE AR/E TX.**
- **Moderate to major river flooding is ongoing or forecast along the MS River.**

# FEMA Region 6 Threat Matrix



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Apr 9, 2020 - Apr 13, 2020

DAY / THREAT	Thu	Fri	Sat	Sun	Mon
Severe Storms	SE/STX	WTX	TX/AR/OK	LA	
	STX			TX/AR	
Heavy Rain / Flash Flooding	SE/STX		NETX		
Fire Weather					
Tropical Weather					
Winter Weather					
River Flooding	MS River				
	AR, LA, ETX				

	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

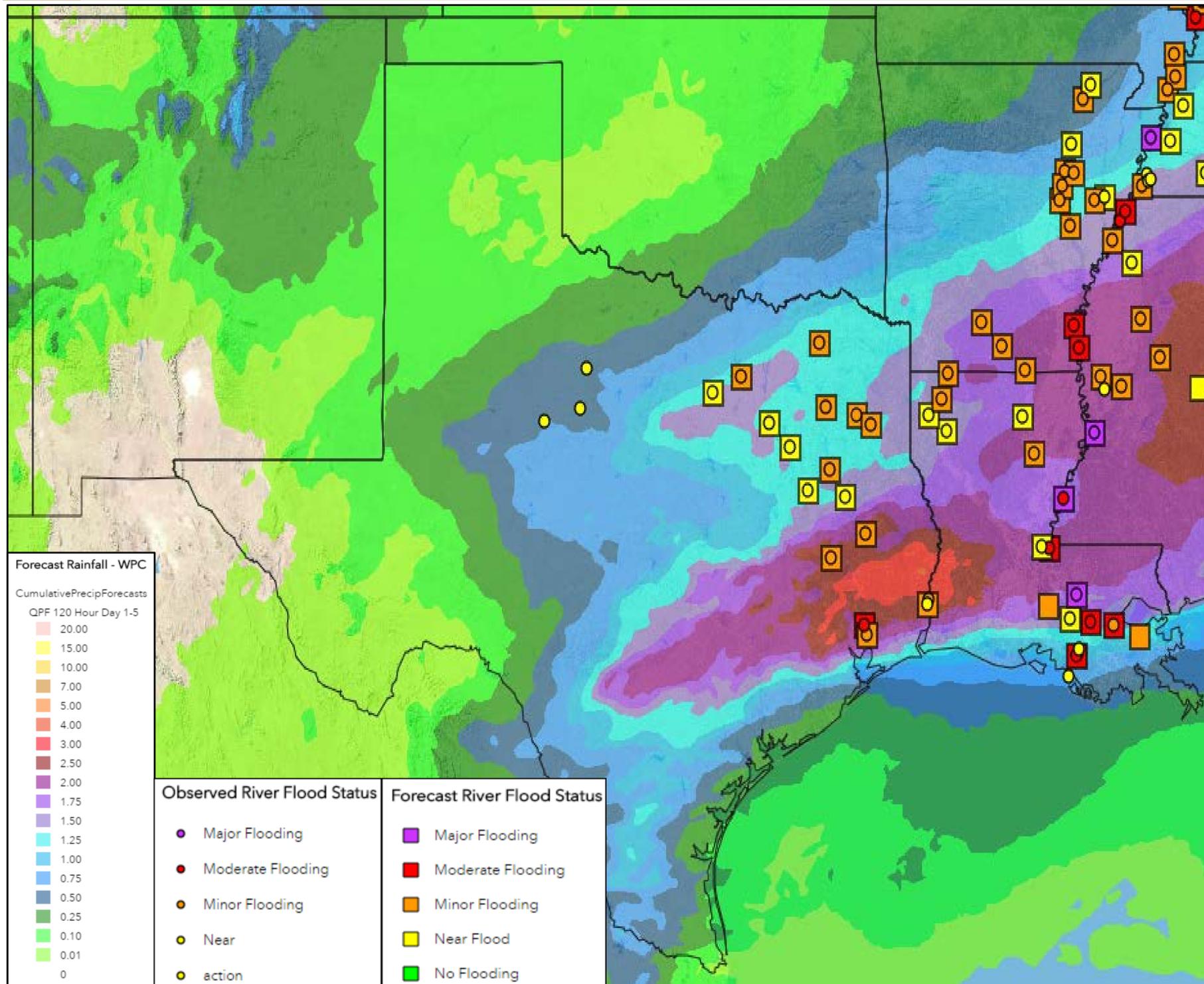
*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**  
*For more details on the colors in the threat matrix refer to the last slide in this briefing.*

# 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



**Moderate to major flooding continues along the MS River.**

- **Osceola, AR will continue in major flood stage through today w/ mostly agricultural impacts.**
- **Near Baton Rouge, LA a crest is expected late this week in major flood. Shipping and industrial activities significantly affected.**
- **The Bonnet Carré Floodway continues to operate and reduce flow at New Orleans, LA, cresting at the 17.0ft flood stage on Sunday, April 12 and staying near this level for the next 1 ½ weeks. Impacts to navigation. A 20 ft project levee protects the city.**

**The Atchafalaya River at Morgan City, LA will maintain moderate flood stage this week. Some flooding of buildings possible.**

**The Trinity River at Liberty, TX will maintain moderate flood stage this week, with roads leading to subdivisions possibly flooding.**

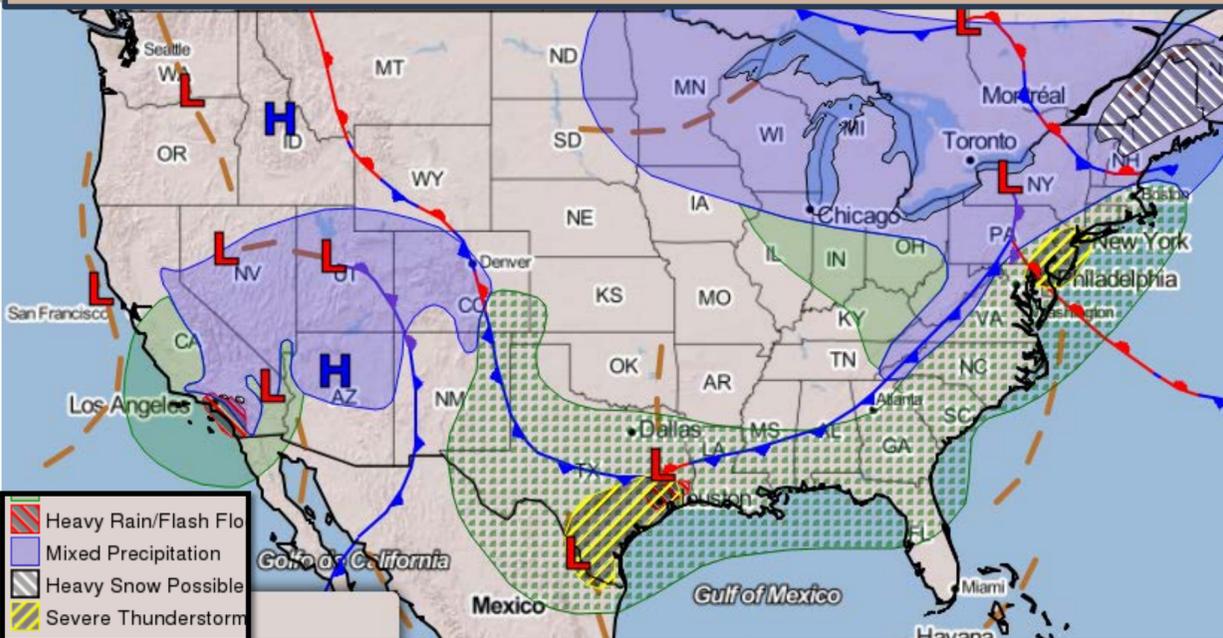
# Today's Weather



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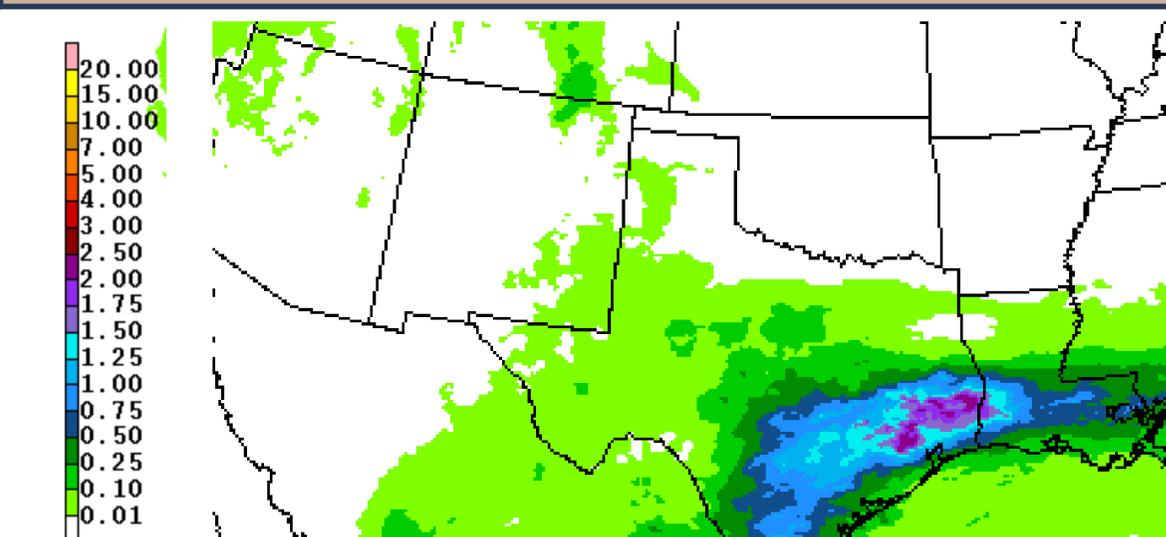
## Forecast Chart

## Forecast Rainfall



Weather Valid 8am EDT Thu Apr 09 2020 to 8am EDT Fri Apr 10 2020  
Fronts Valid 8am EDT Thu Apr 09 2020

Issued 4:36 AM EDT Thu, Apr 09, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Snell with WPC/SPC/NHC forecasts.



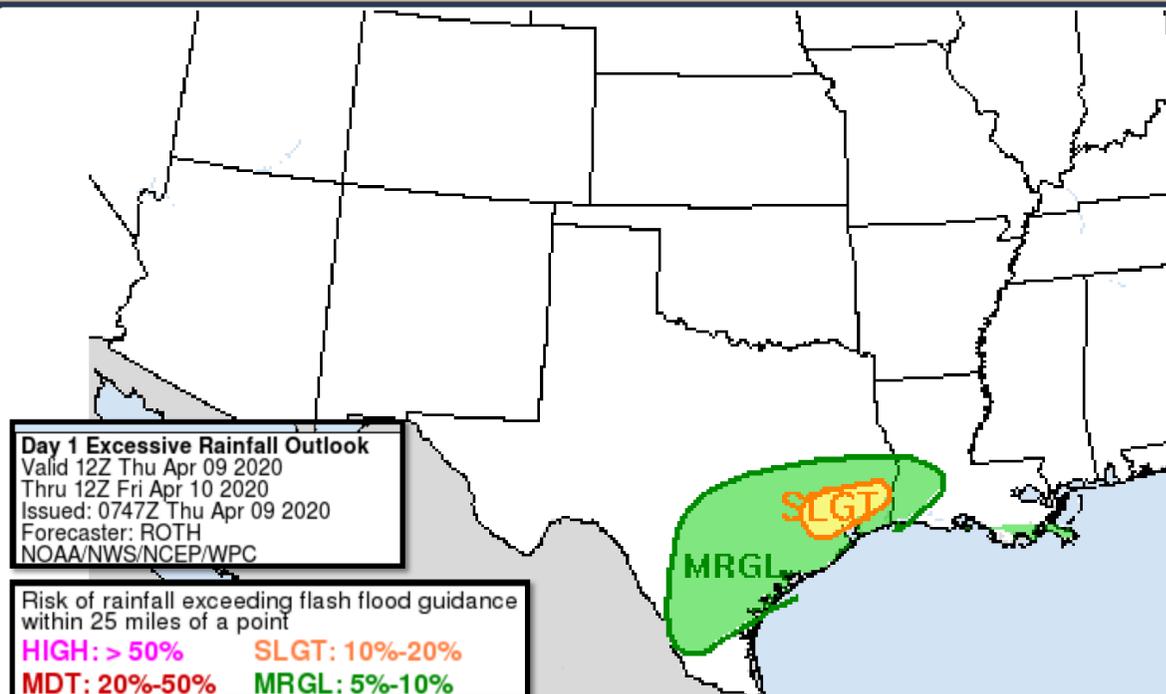
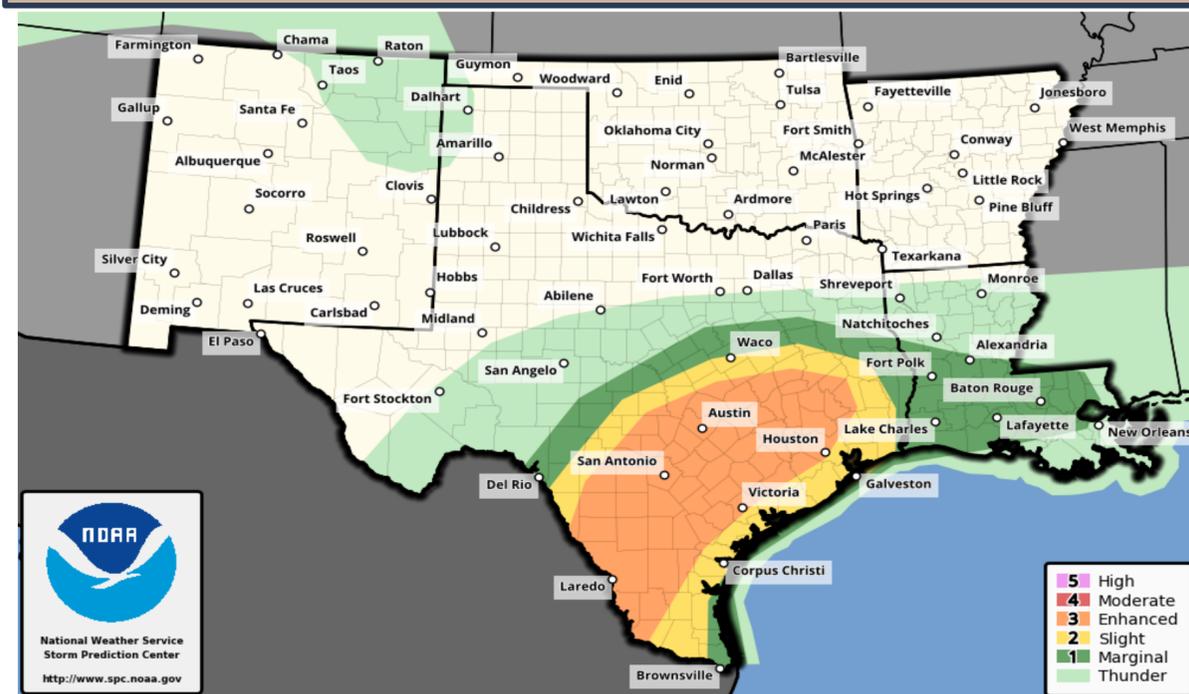
**24-HR DAY 1 OPF**  
VALID 12Z THU APR 09 2020  
THRU 12Z FRI APR 10 2020  
ISSUED: 0704Z THU APR 09 2020  
FORECASTER: ROTH  
NOAA/NWS/NCEP/WPC

**Enhanced risk area for severe thunderstorms (2+ inch hail/damaging wind) across S/SE TX.**

**Isolated heavy rain/flash flooding across parts of SE TX.**

## Severe Weather Outlook

## Excessive Rainfall Outlook



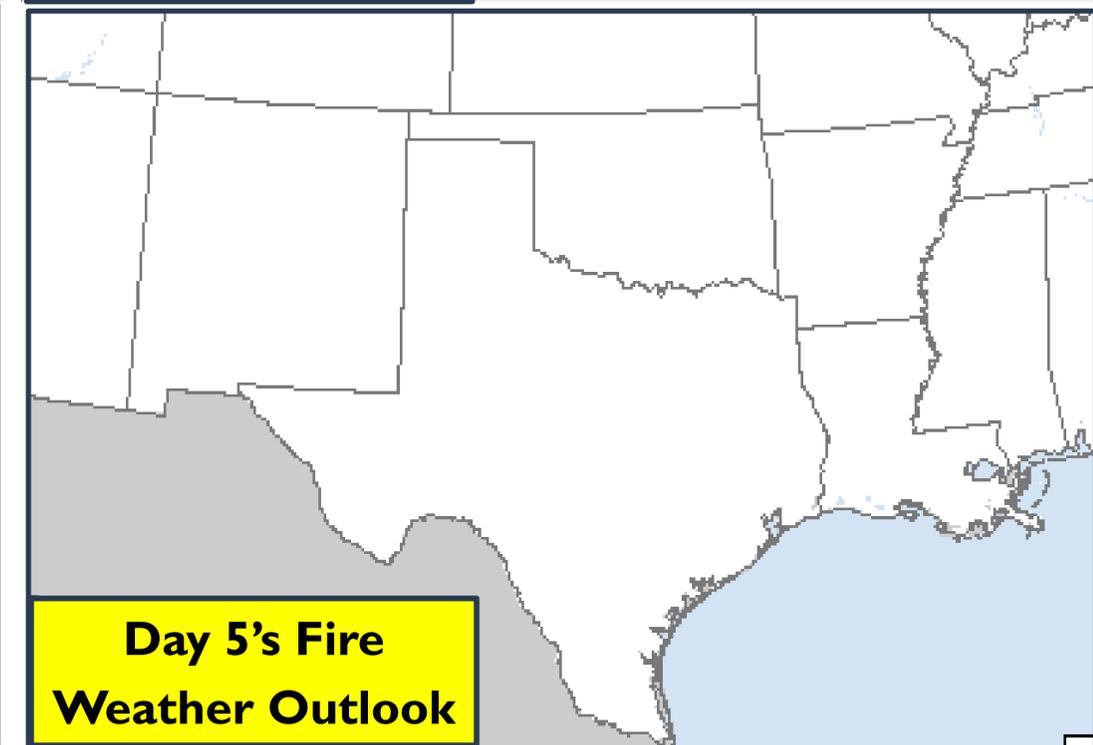
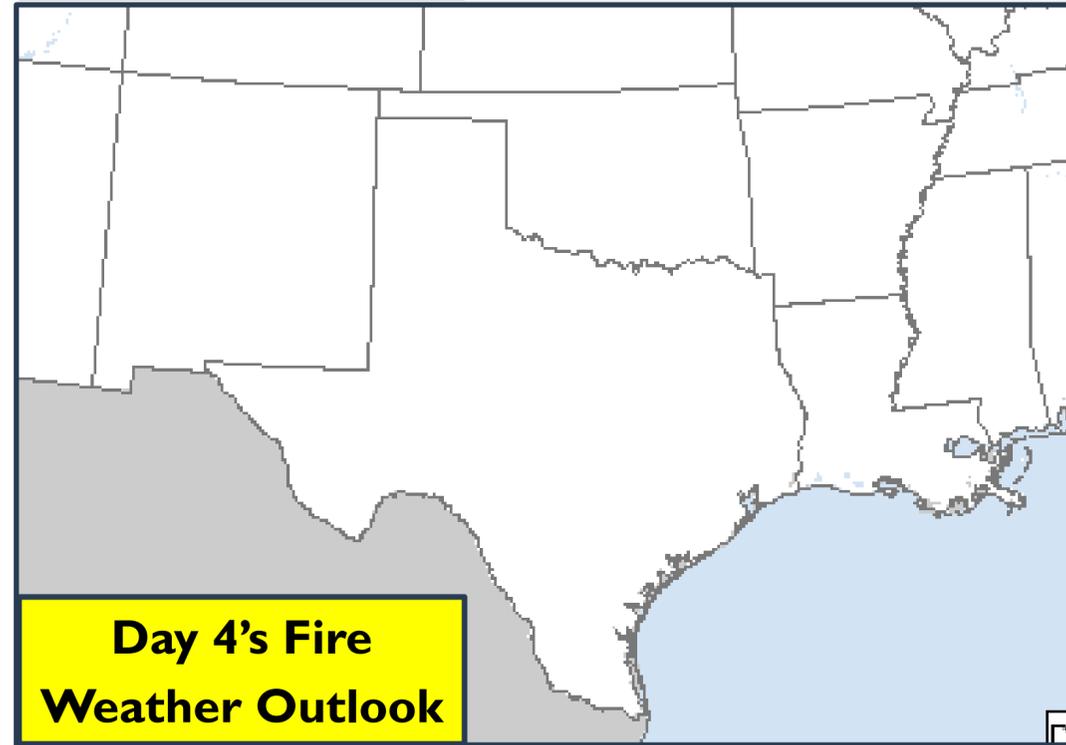
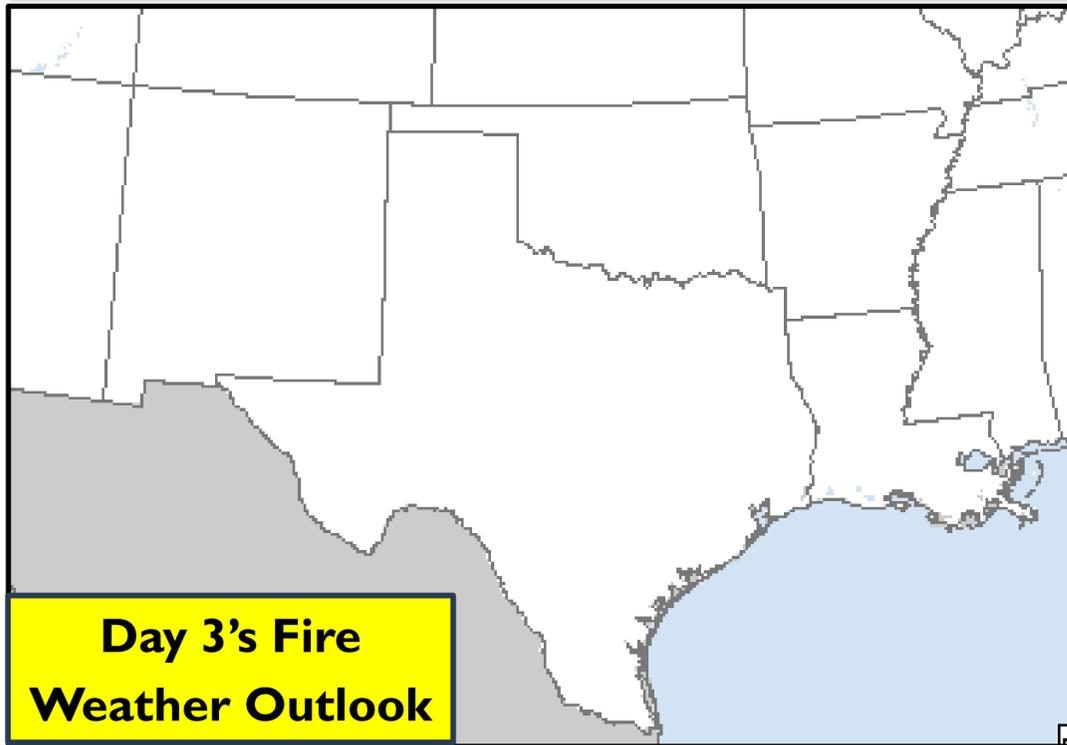
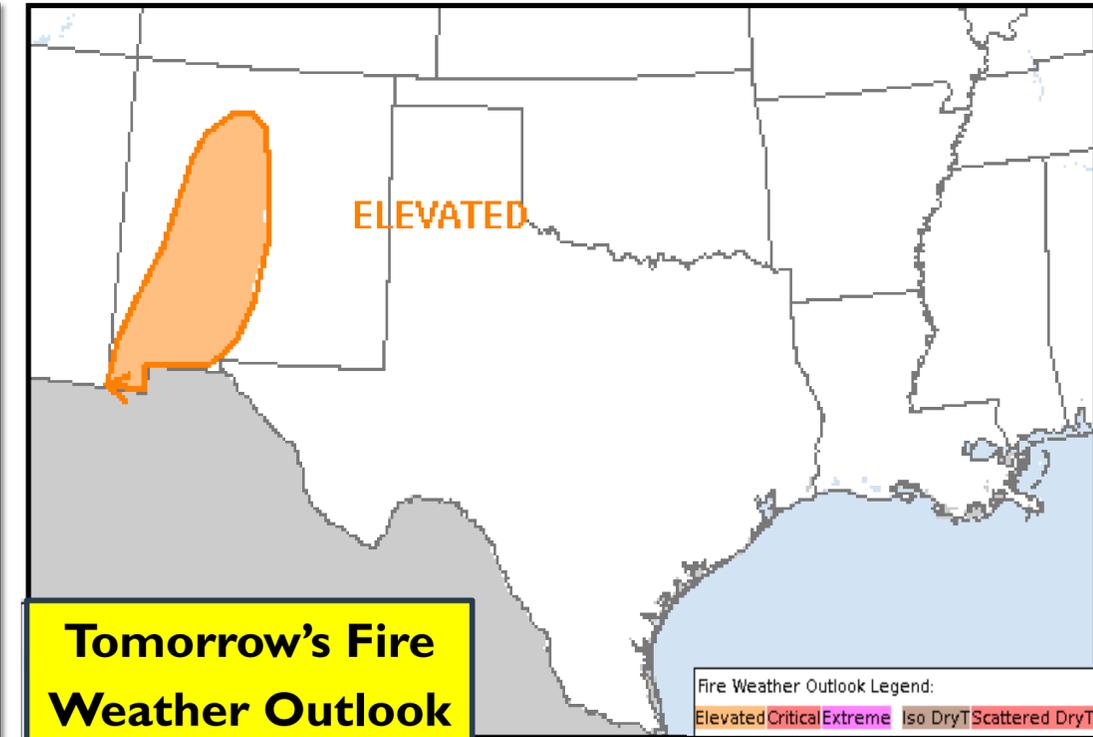
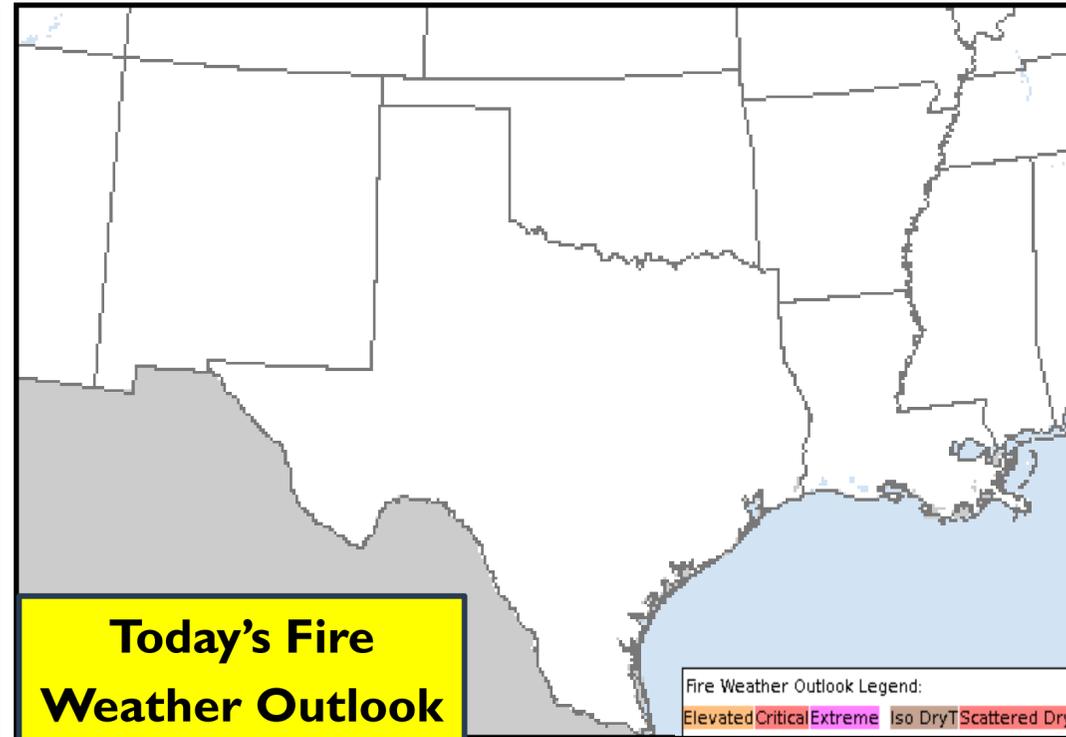
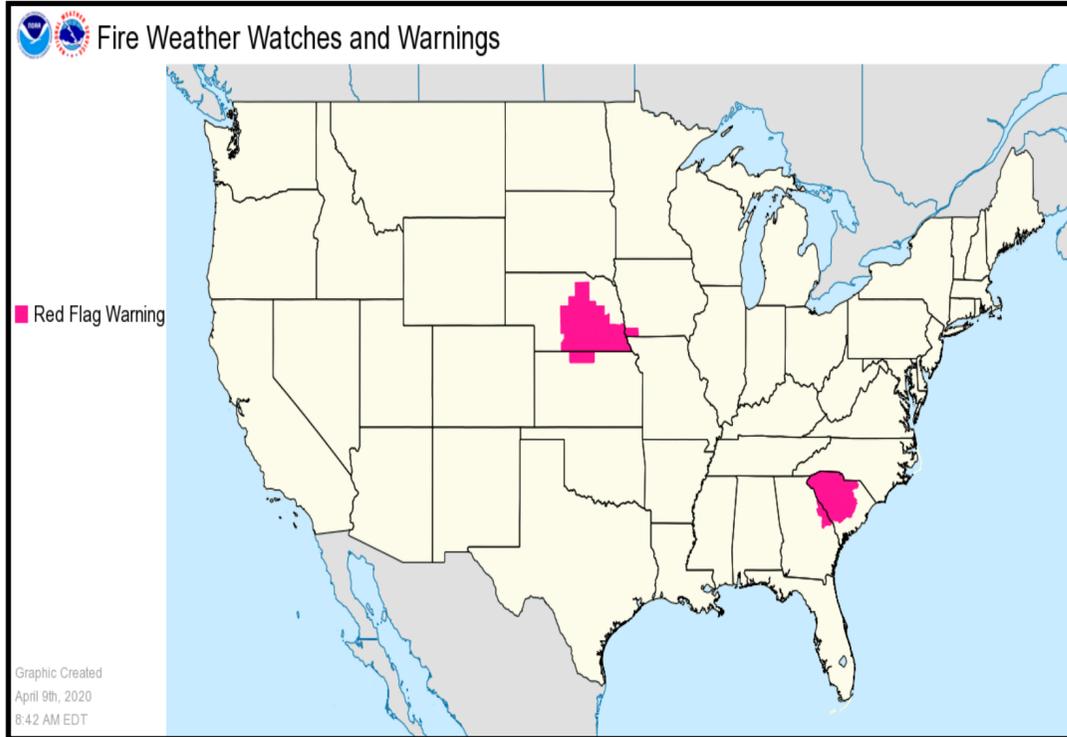
**Day 1 Excessive Rainfall Outlook**  
Valid 12Z Thu Apr 09 2020  
Thru 12Z Fri Apr 10 2020  
Issued: 0747Z Thu Apr 09 2020  
Forecaster: ROTH  
NOAA/NWS/NCEP/WPC

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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# Tomorrow's Weather

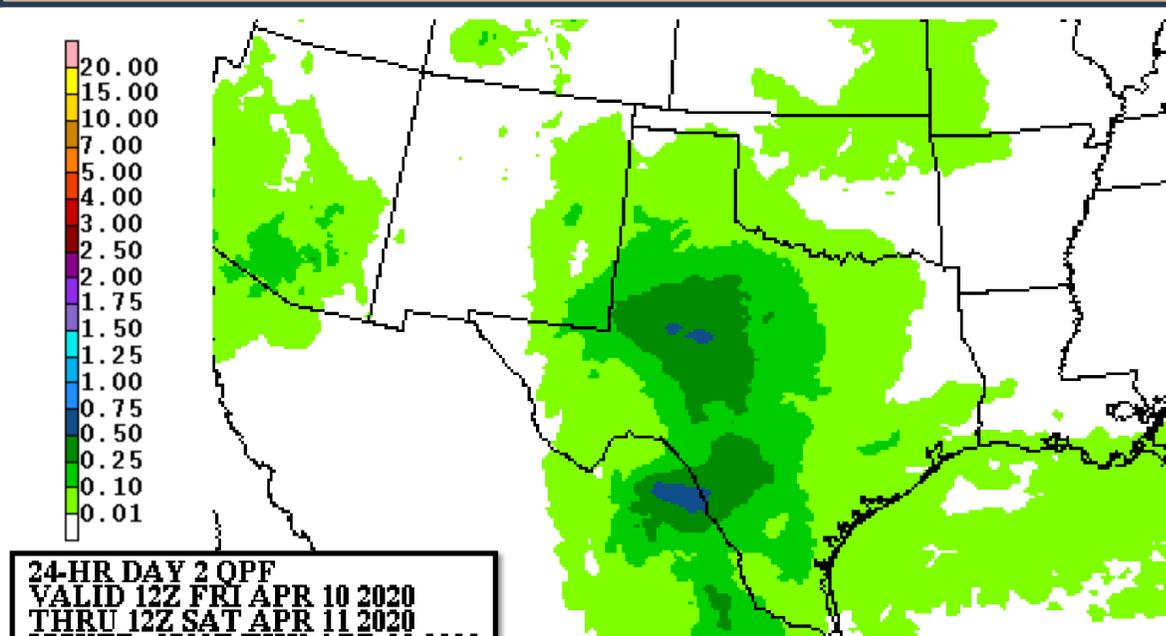
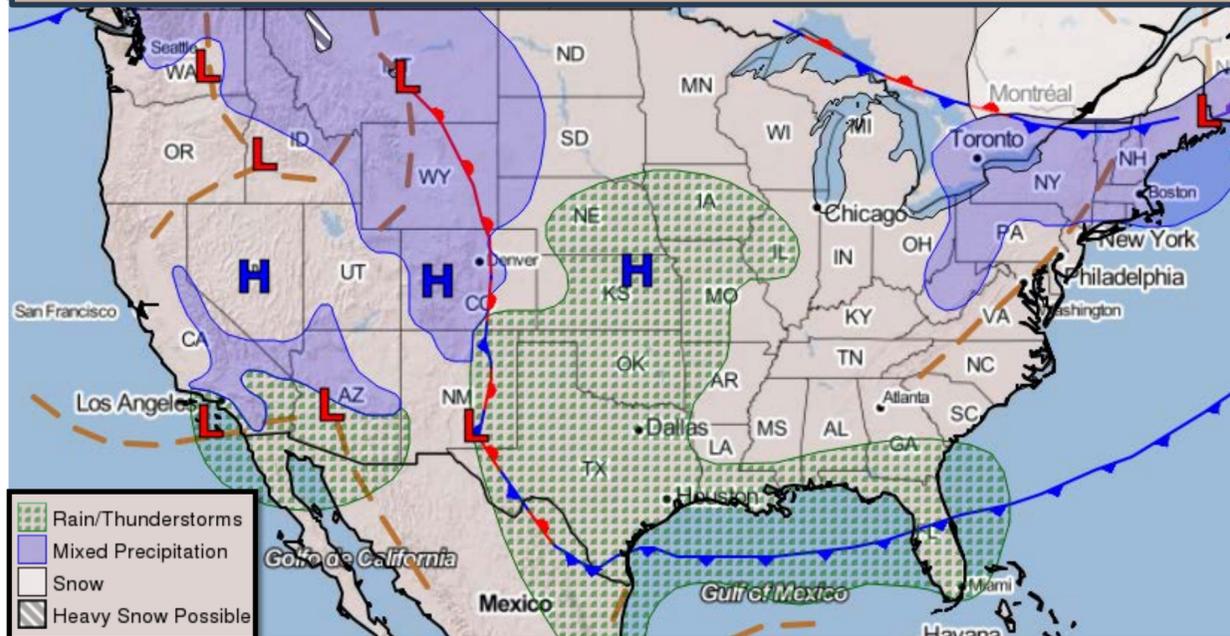


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## Forecast Chart

## Forecast Rainfall

**Marginal risk area for strong/severe thunderstorms across W TX.**



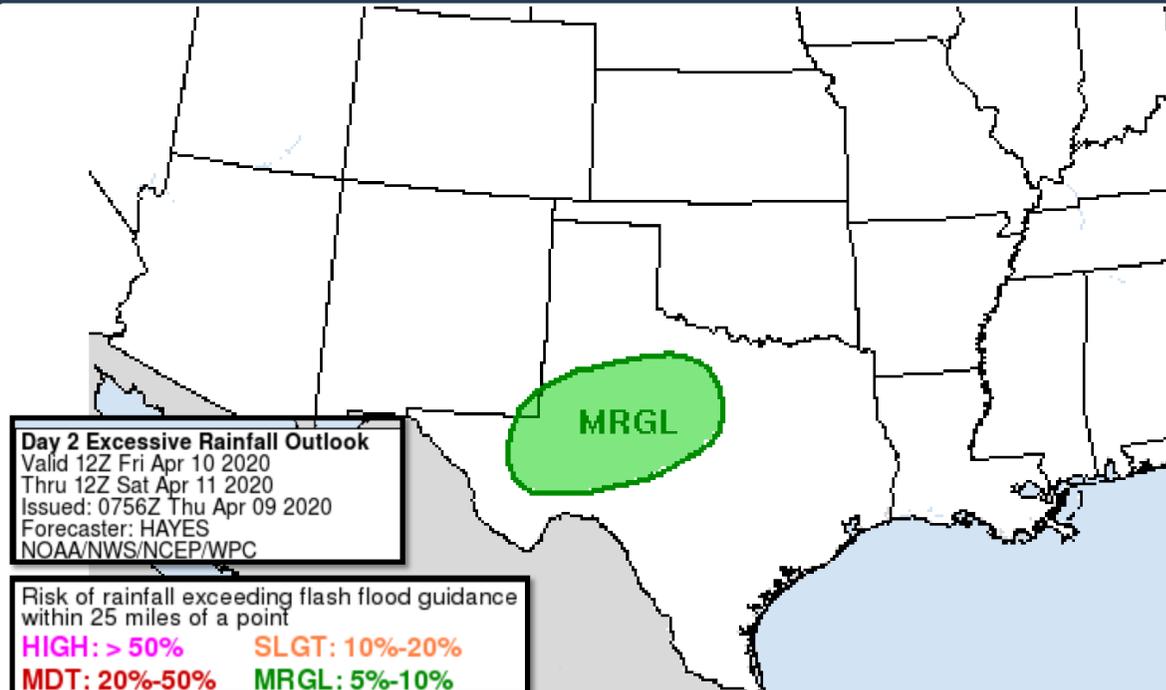
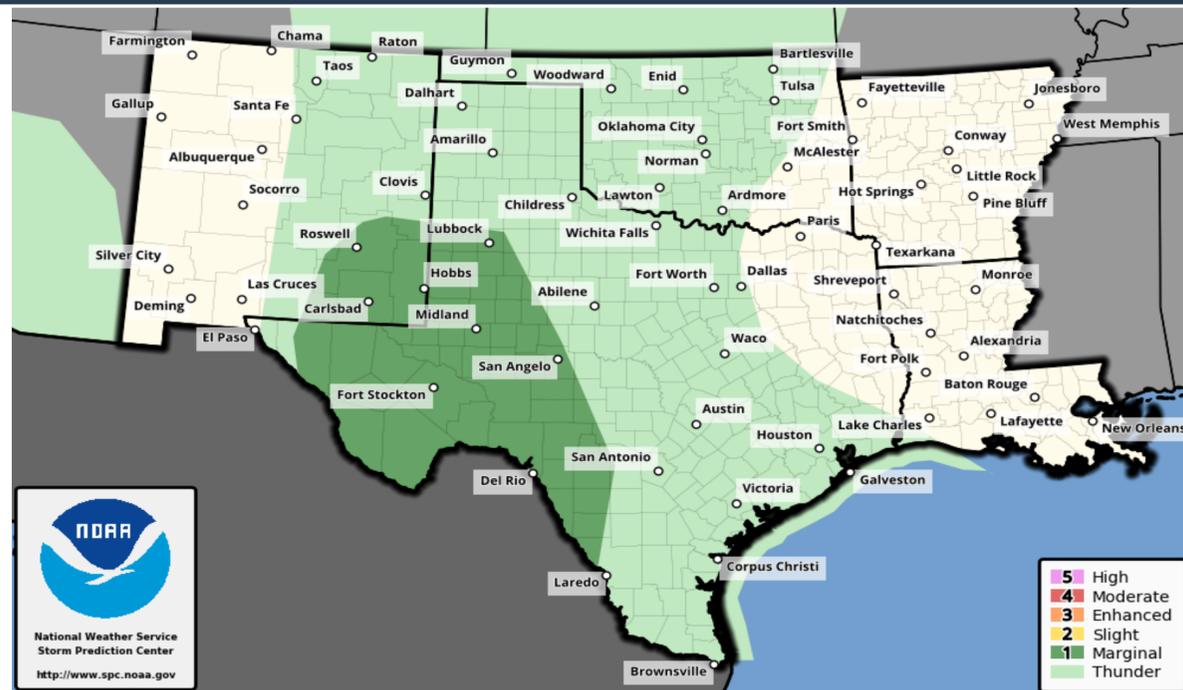
Weather Valid 8am EDT Fri Apr 10 2020 to 8am EDT Sat Apr 11 2020  
Fronts Valid 8am EDT Fri Apr 10 2020

Issued 4:38 AM EDT Thu, Apr 09, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Snell with WPC/SPC/NHC forecasts.

**24-HR DAY 2 QPF**  
**VALID 12Z FRI APR 10 2020**  
**THRU 12Z SAT APR 11 2020**  
**ISSUED: 0729Z THU APR 09 2020**  
**FORECASTER: ROTH**  
**NOAA/NWS/NCEP/WPC**

## Severe Weather Outlook

## Excessive Rainfall Outlook



# Saturday's Weather

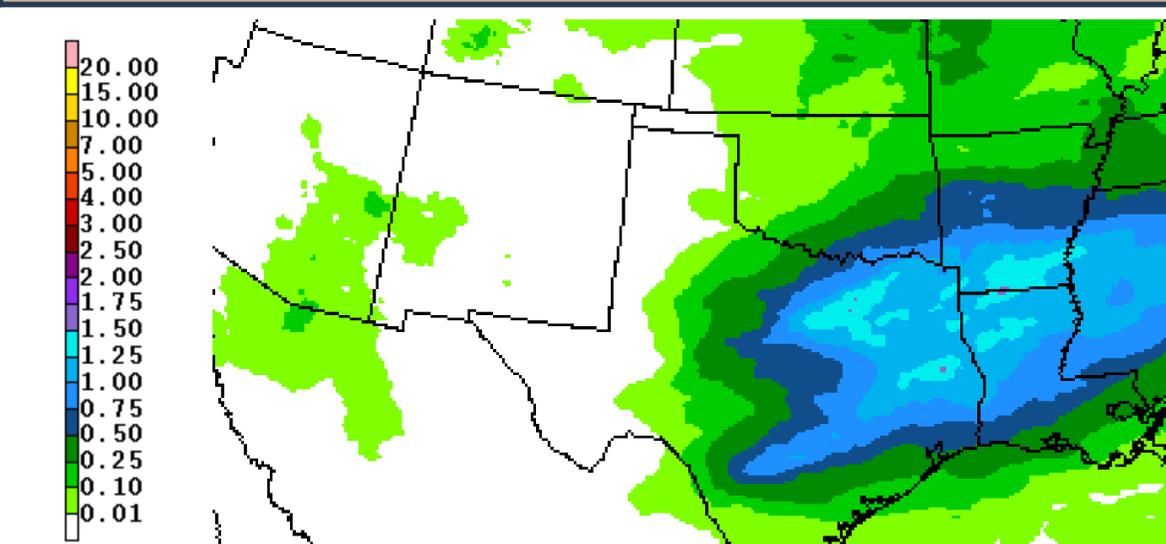
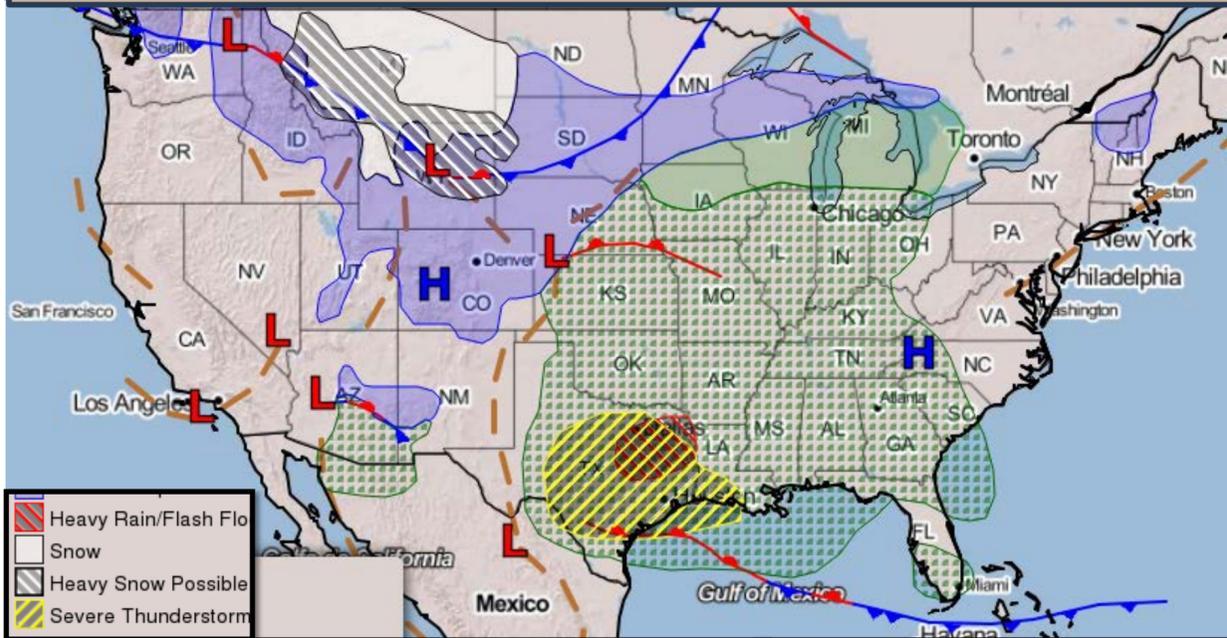


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## Forecast Chart

## Forecast Rainfall

**Slight risk of severe thunderstorms with heavy rain/flash flooding across TX/LA.**

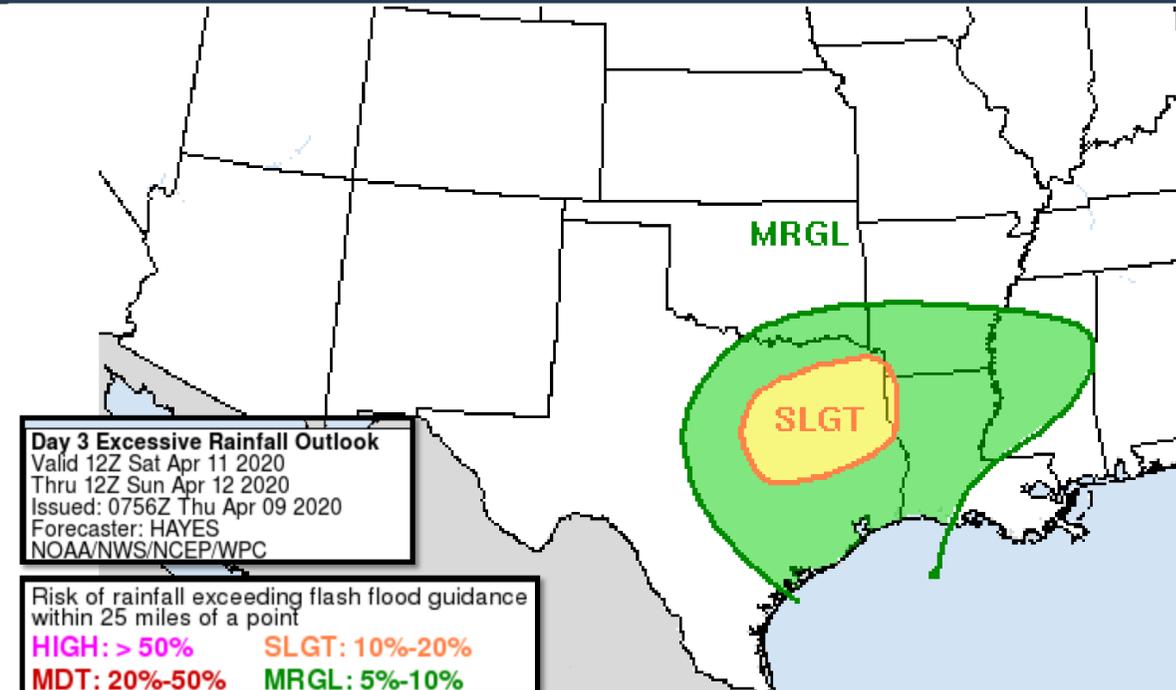
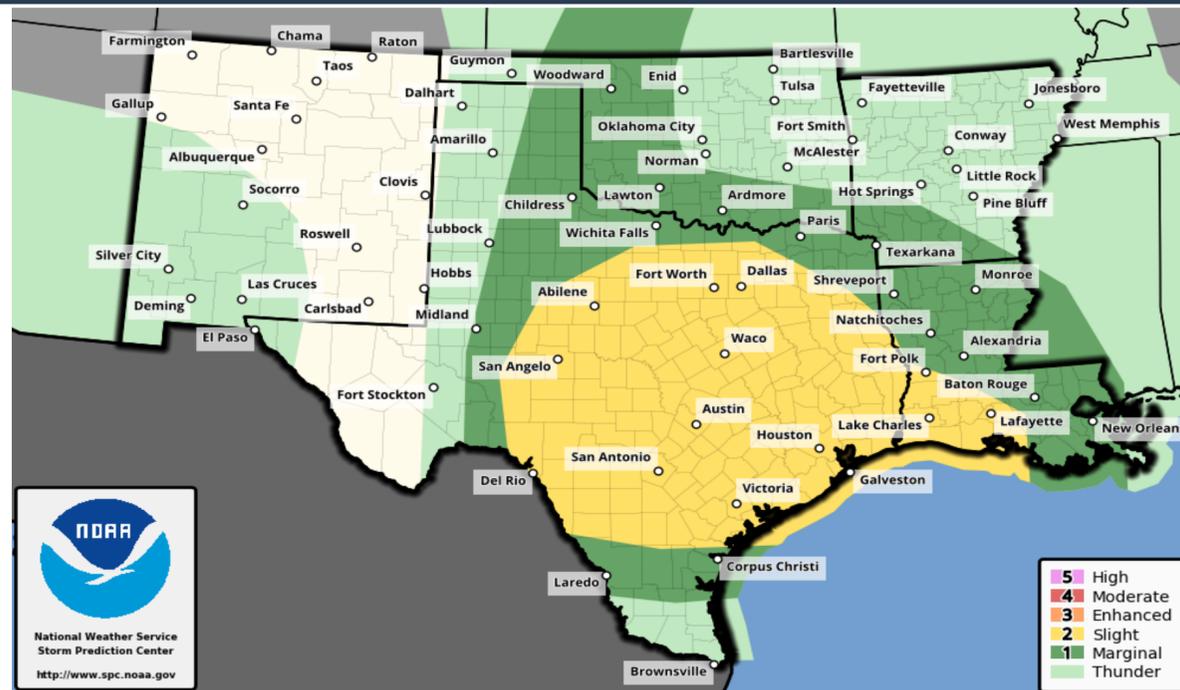


**24-HR DAY 3 QPF**  
VALID 12Z SAT APR 11 2020  
THRU 12Z SUN APR 12 2020  
ISSUED: 0729Z THU APR 09 2020  
FORECASTER: ROTH  
NOAA/NWS/NCEP/WPC

Weather Valid 8am EDT Sat Apr 11 2020 to 8am EDT Sun Apr 12 2020  
Fronts Valid 8am EDT Sat Apr 11 2020  
Issued 4:39 AM EDT Thu, Apr 09, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Mullinax with WPC/SPC/NHC forecasts.

## Severe Weather Outlook

## Excessive Rainfall Outlook



**Day 3 Excessive Rainfall Outlook**  
Valid 12Z Sat Apr 11 2020  
Thru 12Z Sun Apr 12 2020  
Issued: 0756Z Thu Apr 09 2020  
Forecaster: HAYES  
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%**



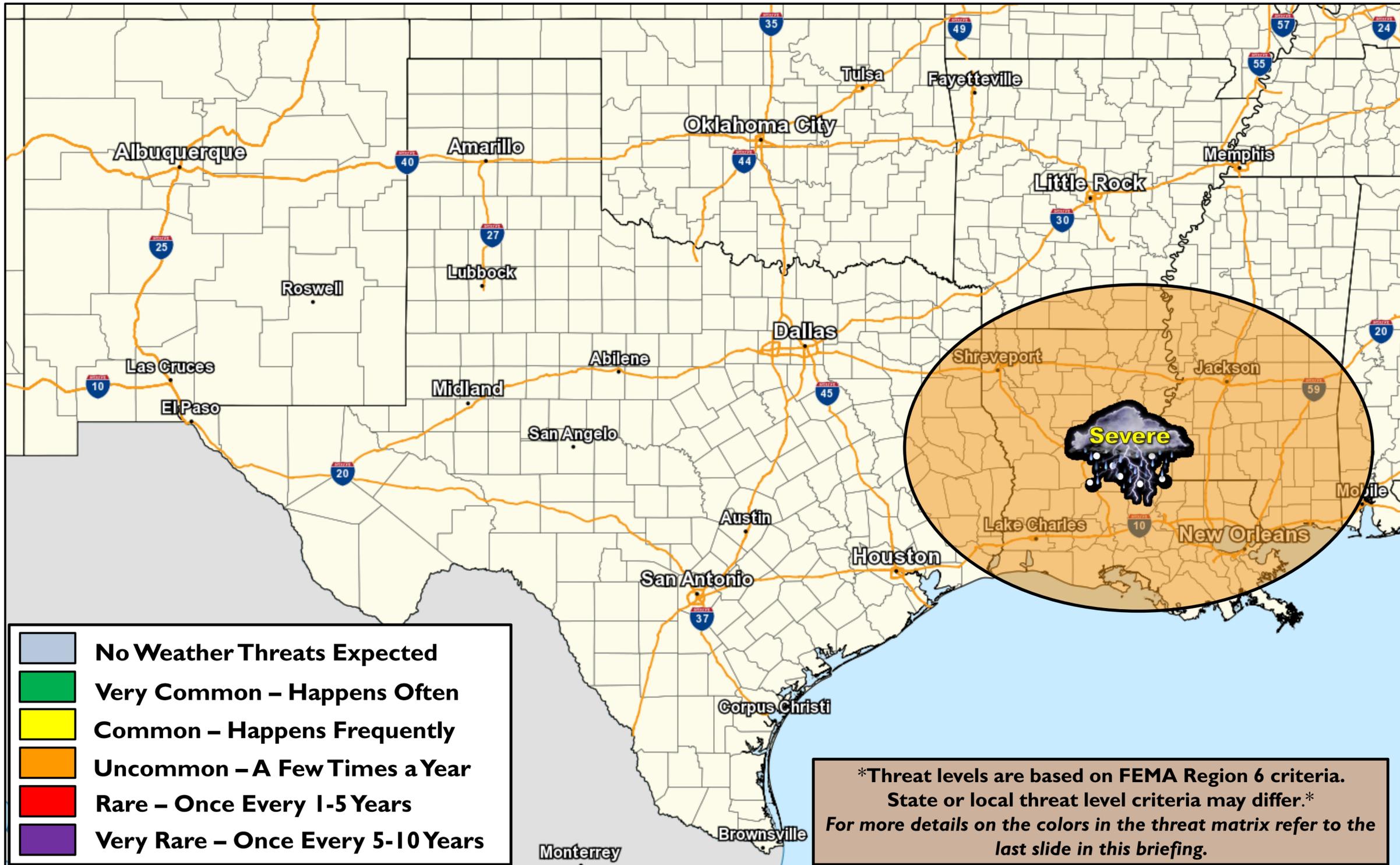
# Days 4-5 Weather Hazards

## Sunday - Monday



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**Slight risk of severe storms on Sunday.**

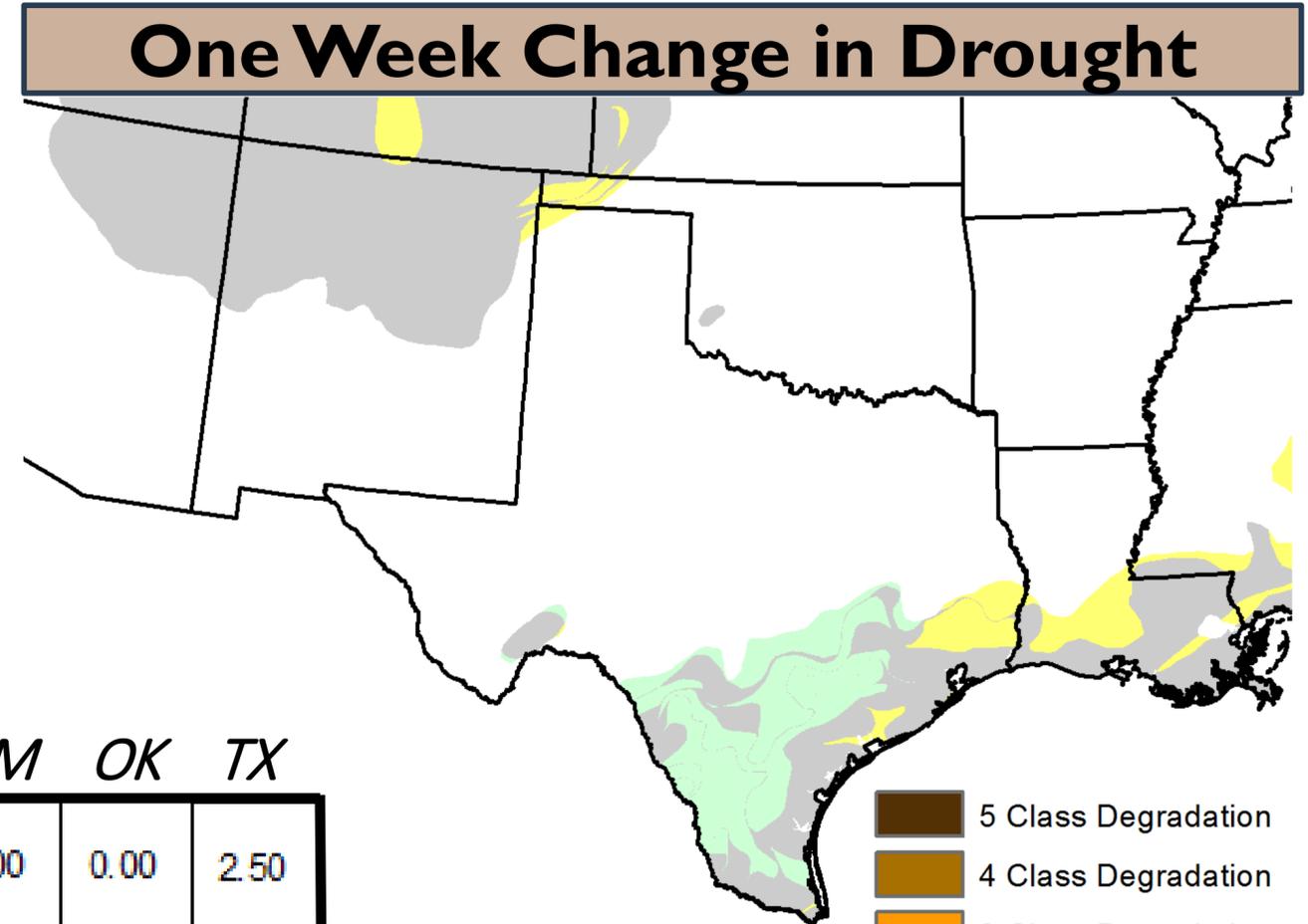
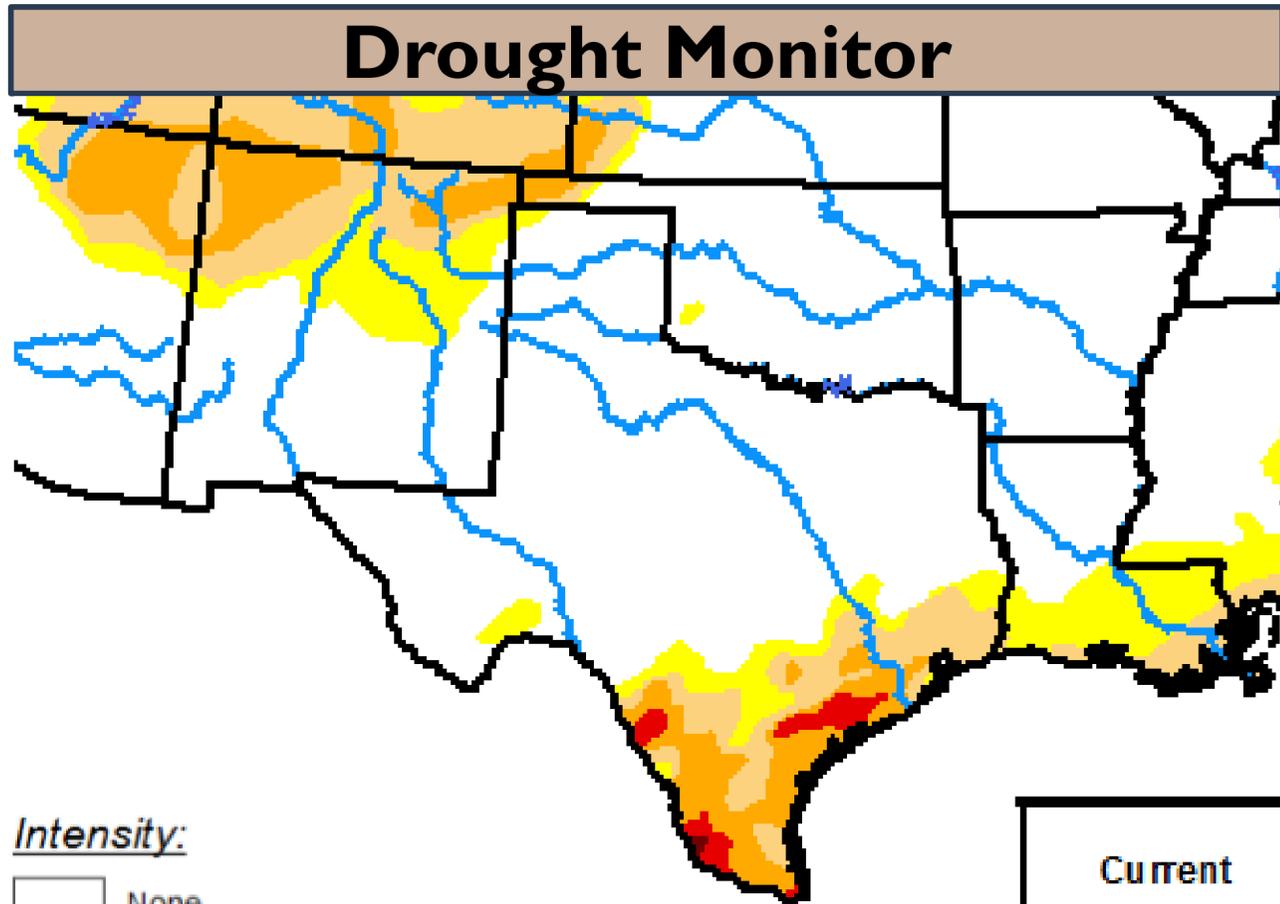


# Drought Monitor (Released Apr 9, 2020)



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Data valid as of 8 am ET on Tuesday, April 7, 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	0.00	0.00	2.50
<b>Last Week</b> <i>03-31-2020</i>	0.00	0.00	0.00	0.00	5.47
<b>3 Months Ago</b> <i>01-07-2020</i>	0.00	0.00	0.00	0.00	1.34
<b>One Year Ago</b> <i>04-09-2019</i>	0.00	0.00	0.00	0.00	0.00

**Drought Conditions (Percent Area)**

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

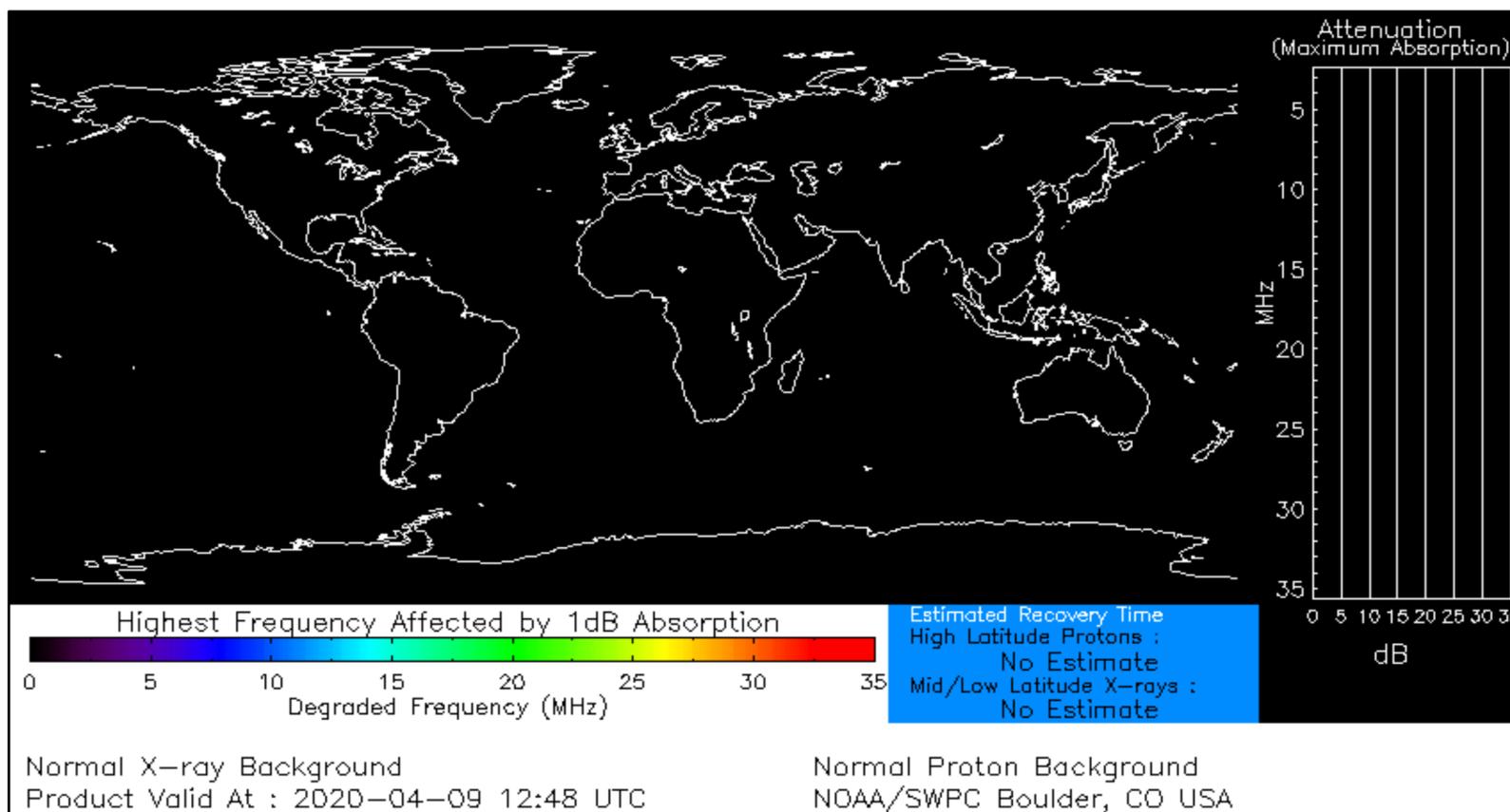
- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

# Space Weather 3-Day Forecast



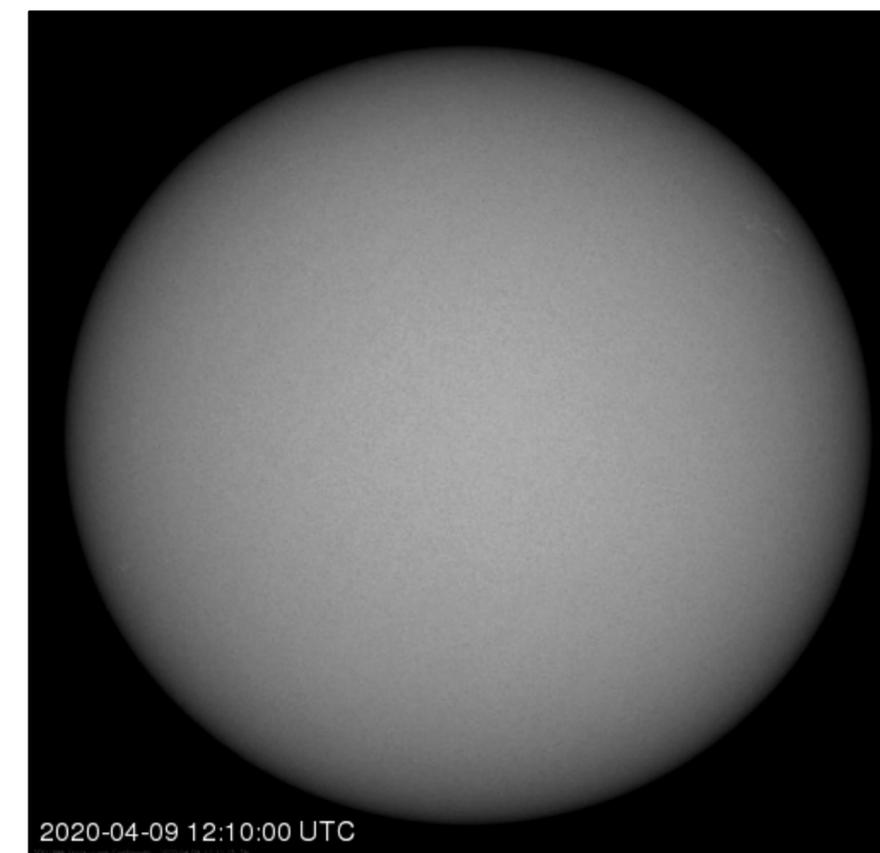
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	Thursday	Friday	Saturday
<b>Geomagnetic Storms</b>	Quiet (Max Kp = 2)	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>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