



# FEMA



Prepared by  
*Kurt Van Speybroeck*

# FEMA Region 6 Weather Threat Briefing

Thursday June 18, 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)

# Summary of the Upcoming Week



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- **Elevated to critical fire weather conditions across NM through Friday.**
- **Isolated strong/severe storms with heavy rain/flash flooding across OK/NW TX through Saturday.**
- **Isolated severe thunderstorms across W TX on Friday.**

# FEMA Region 6 Threat Matrix

Jun 18, 2020 - Jun 22, 2020



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DAY / THREAT	Thu	Fri	Sat	Sun	Mon
Severe Storms	NW OK/TX	WTX	OK/WTX		
Heavy Rain / Flash Flooding	OK/NW TX	OK/NW TX			
Fire Weather	NM	W NM			
Tropical Winds / Surge					
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



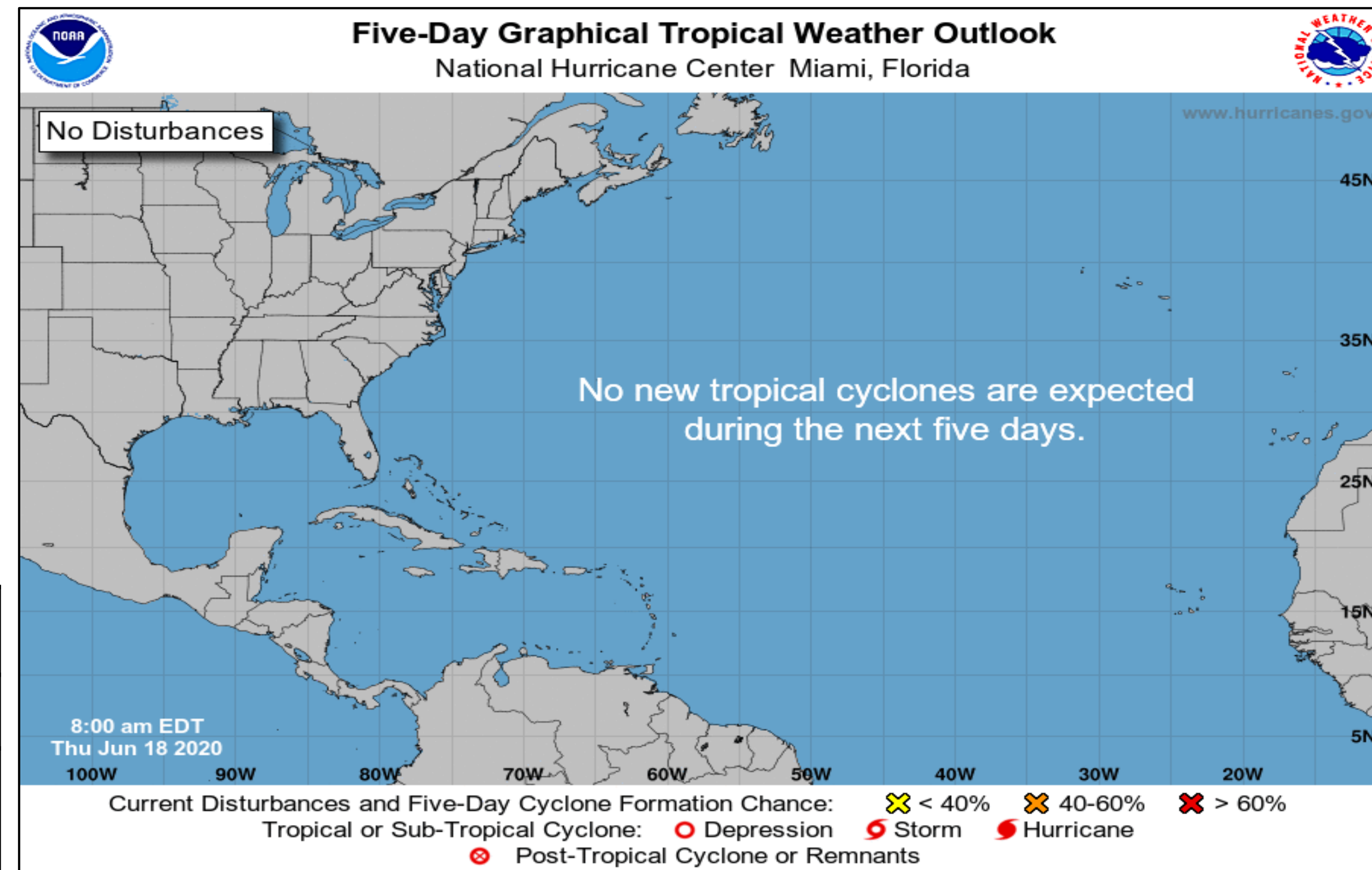
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## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
-		

## Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
-	



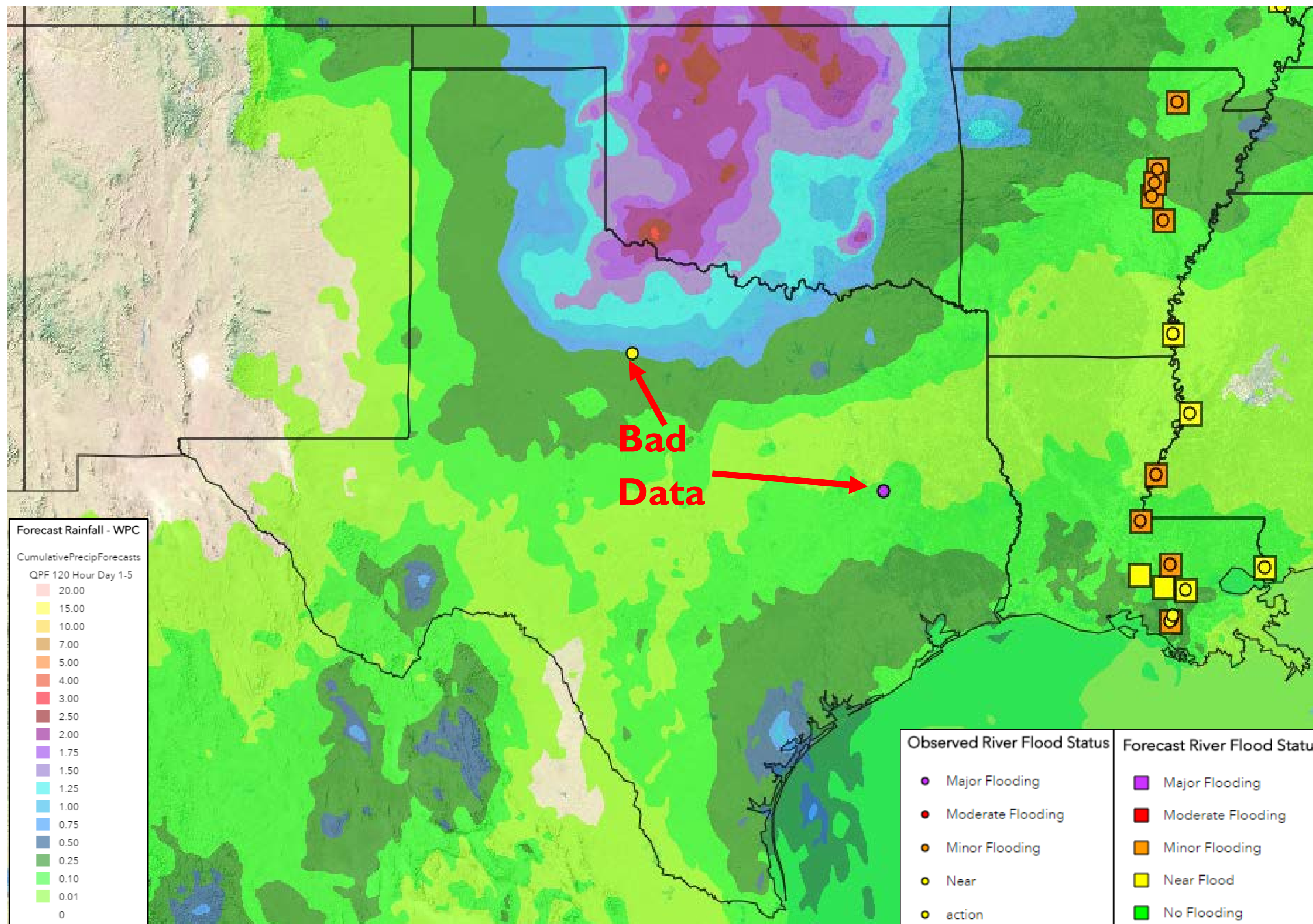


# 5-Day Precipitation Forecast & River Flood Status



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



**Portions of the White and Black Rivers in E AR remain in minor flood stage with impacts primarily to farmland.**

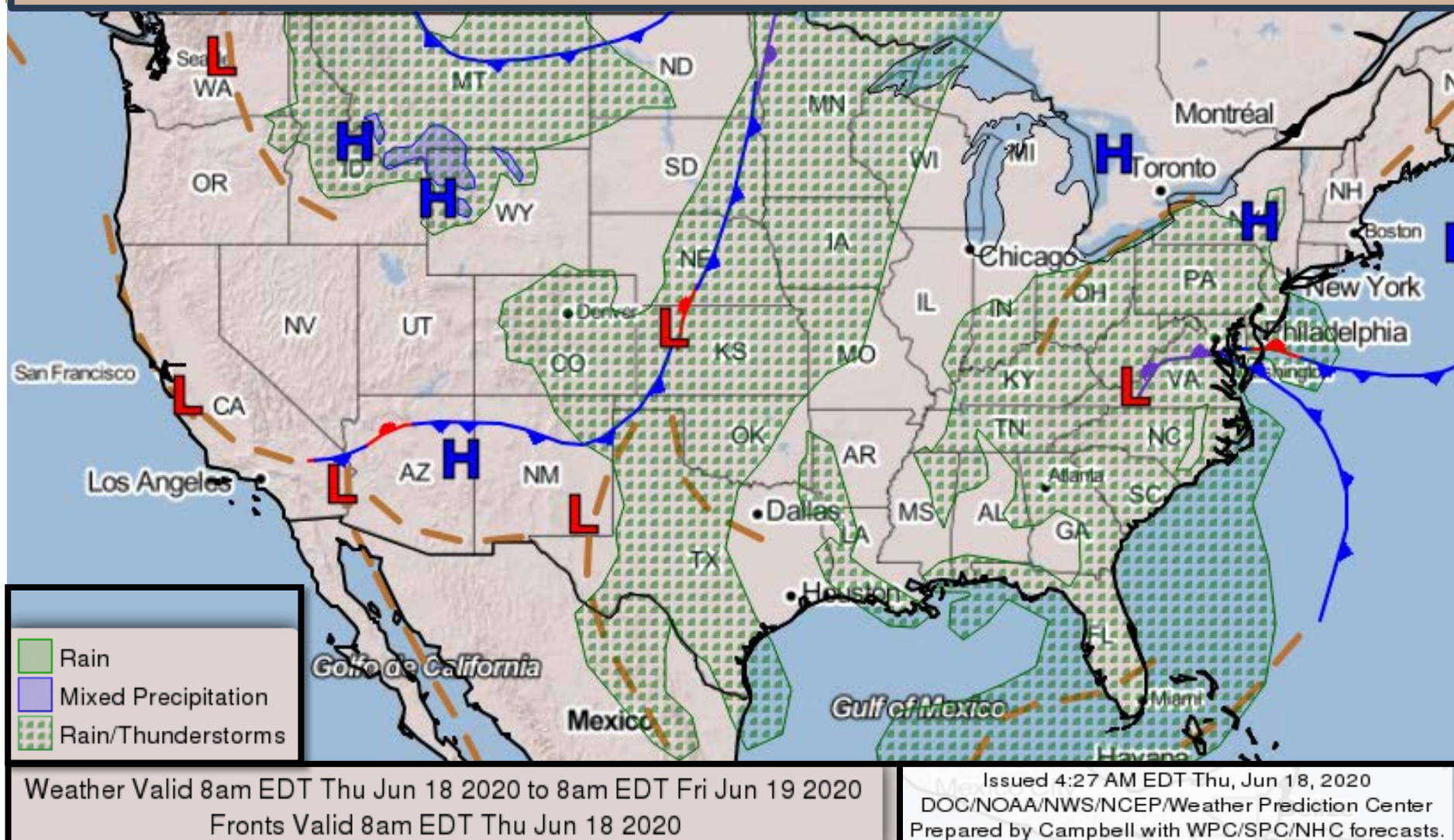
**The Atchafalaya River at Morgan City in S LA remains in/near minor flood stage throughout this week with impacts primarily to vessel traffic.**

**The Lower MS River continues in minor flood stage. Impacts are to access roads, river traffic, and industrial activity on the river.**

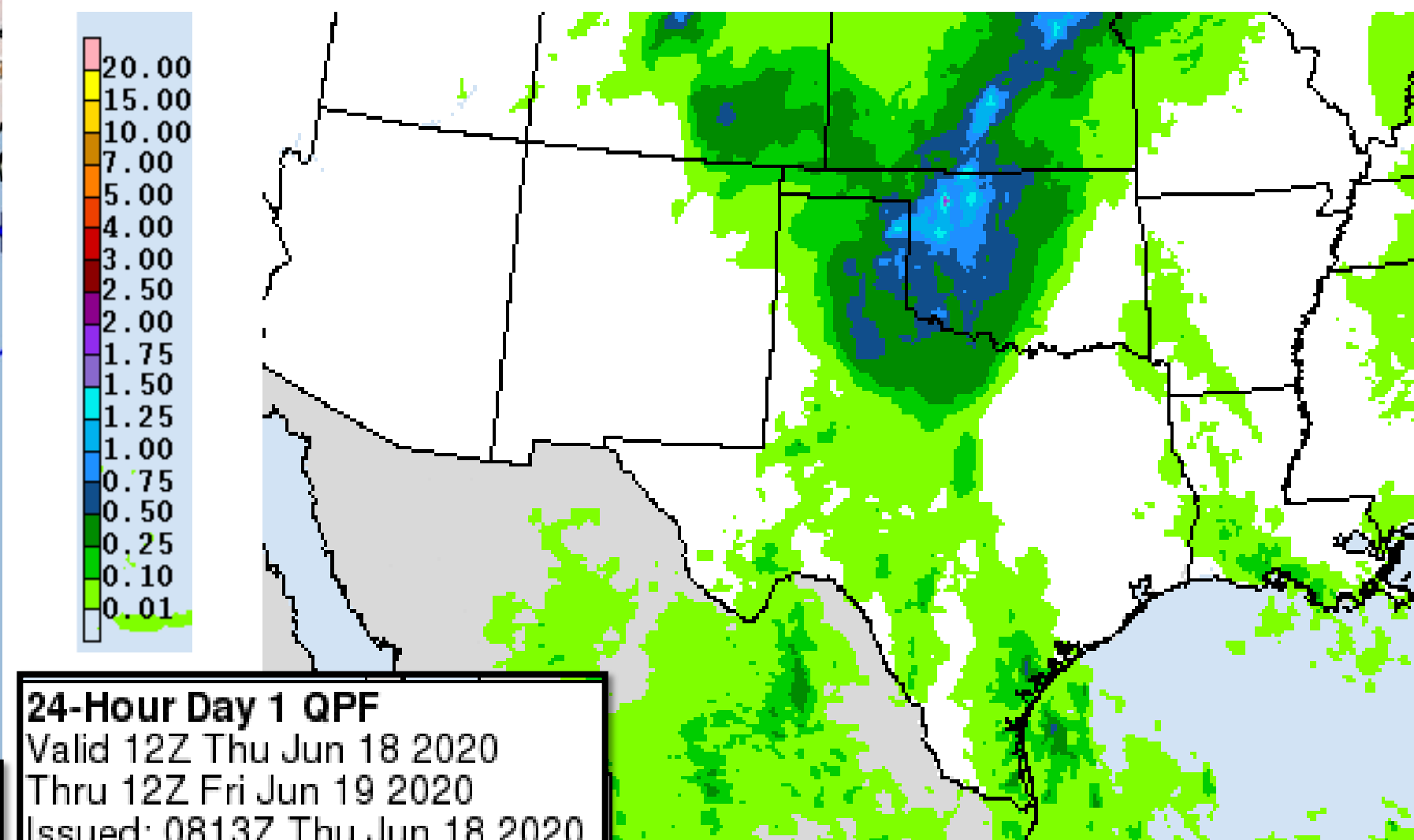


# Today's Weather

## Forecast Chart

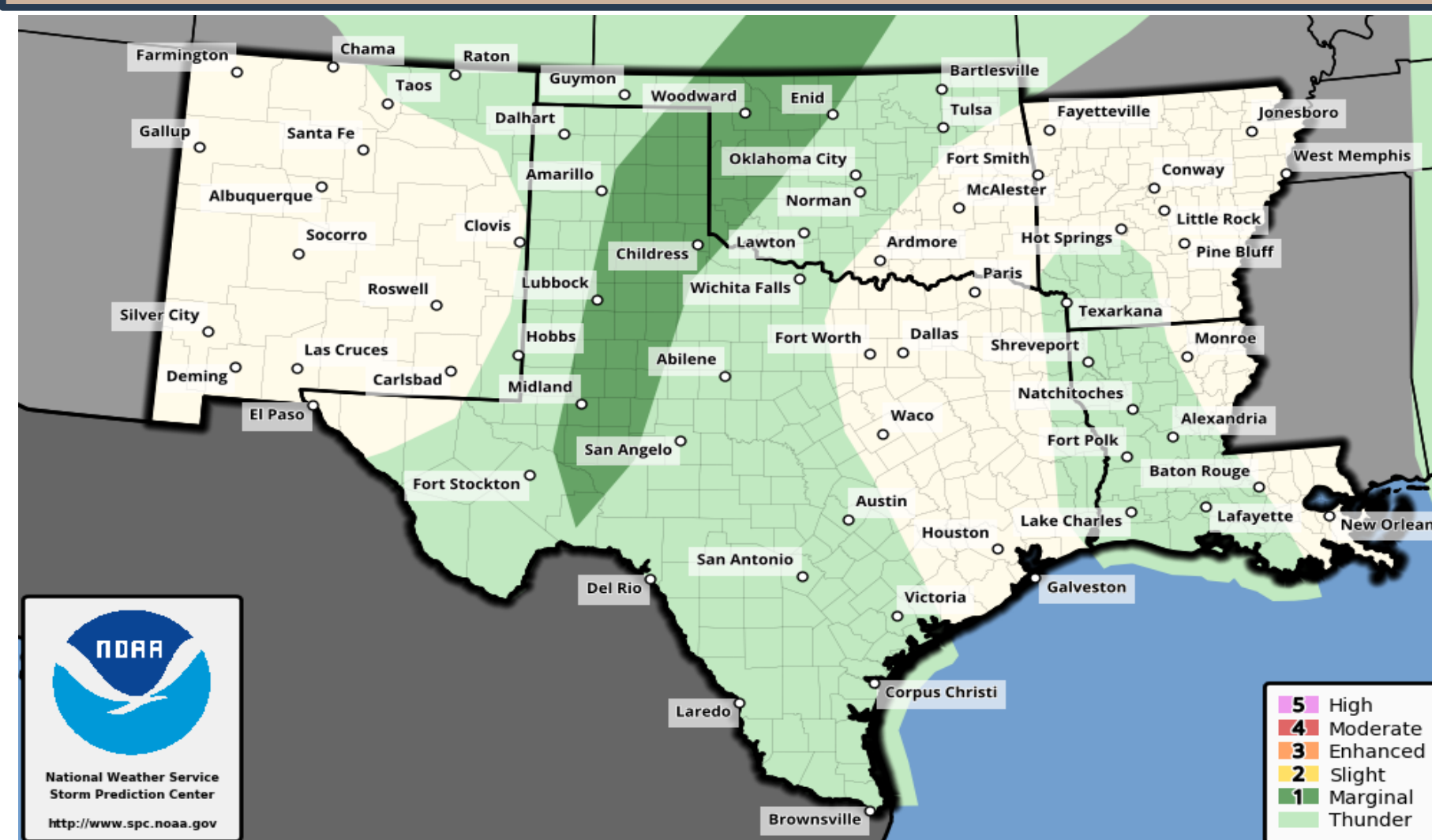


## Forecast Rainfall

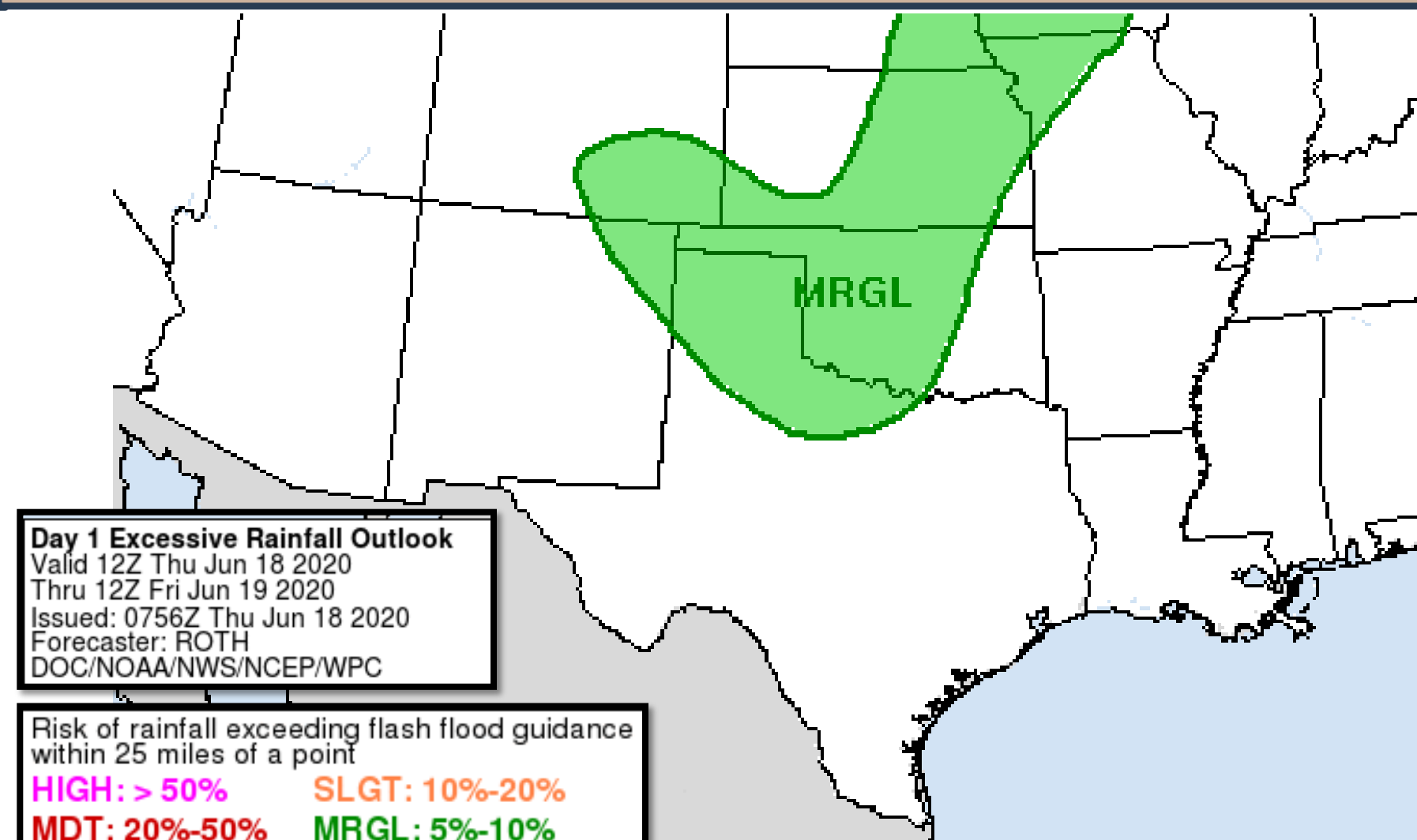


Isolated strong/severe storms  
with heavy rainfall/flash  
flooding across OK/NW TX.

## Severe Weather Outlook



## Excessive Rainfall Outlook



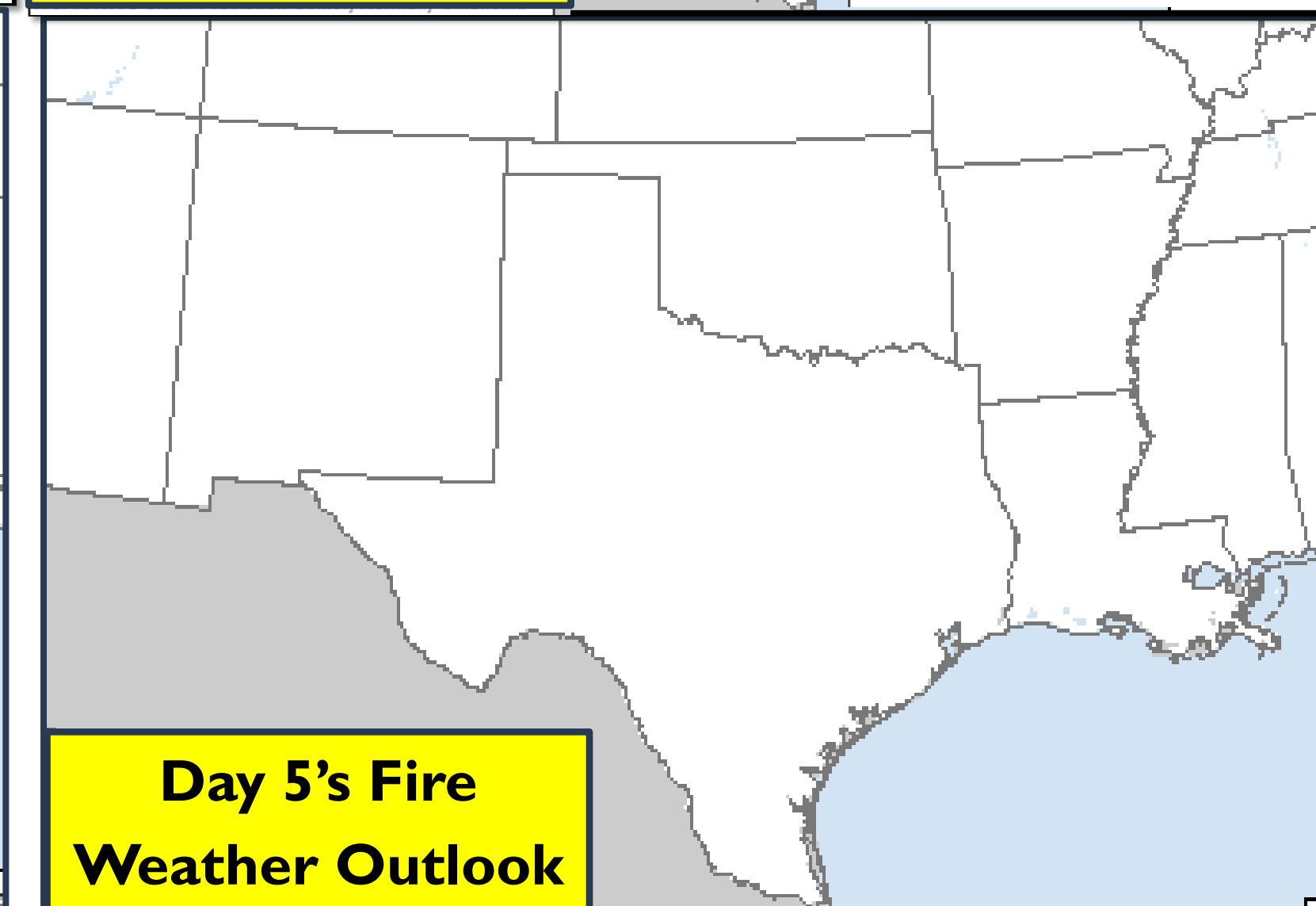
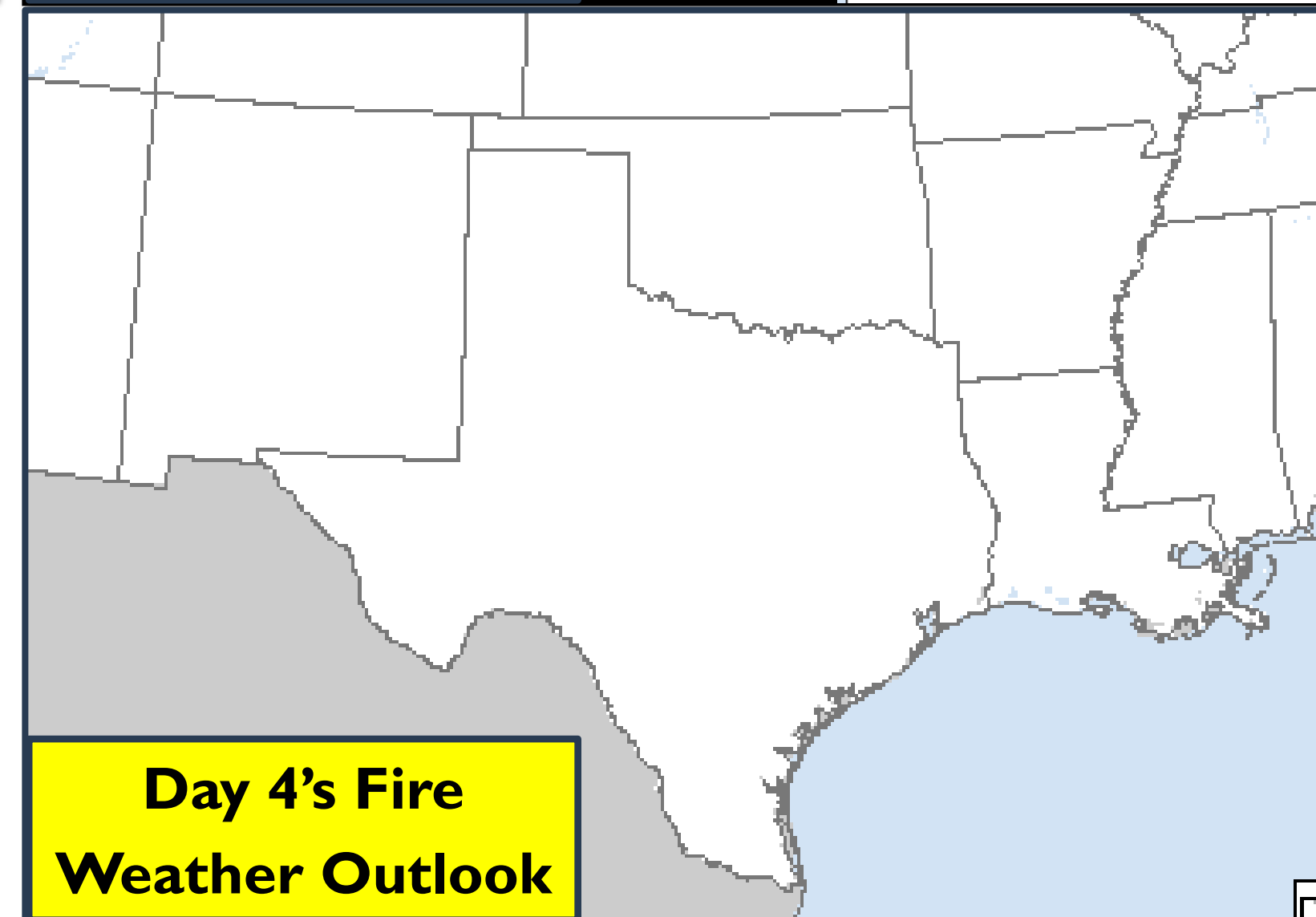
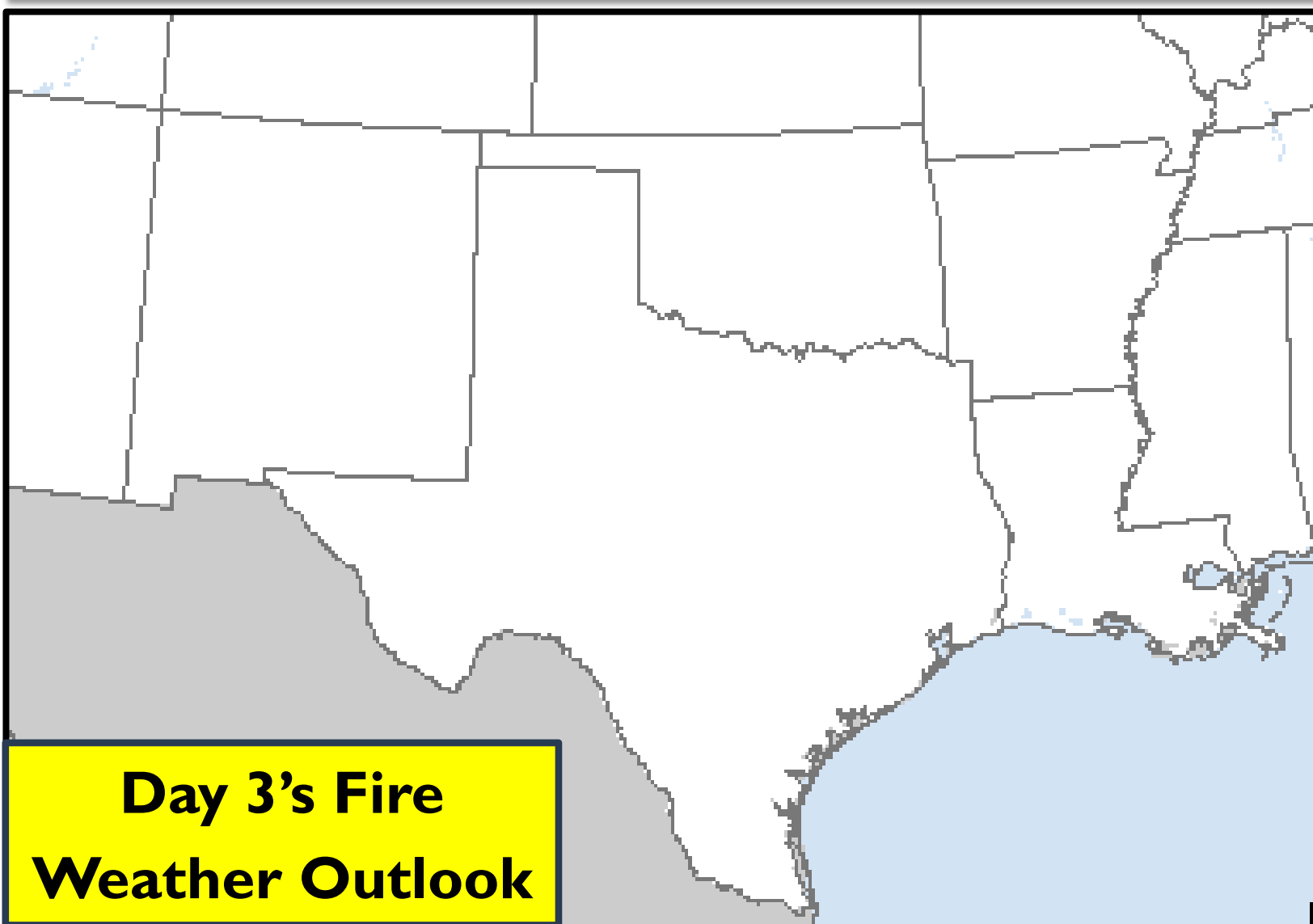
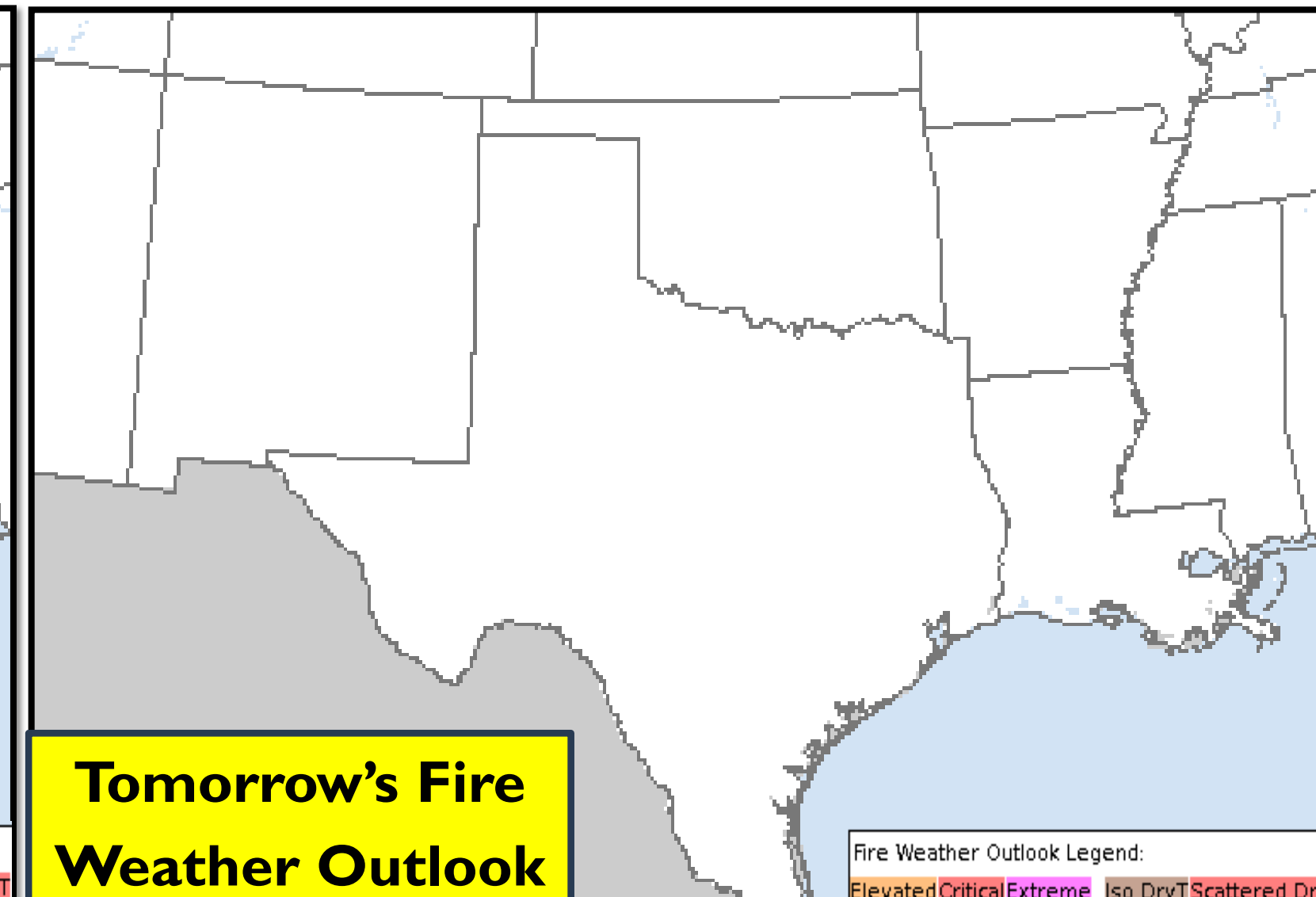
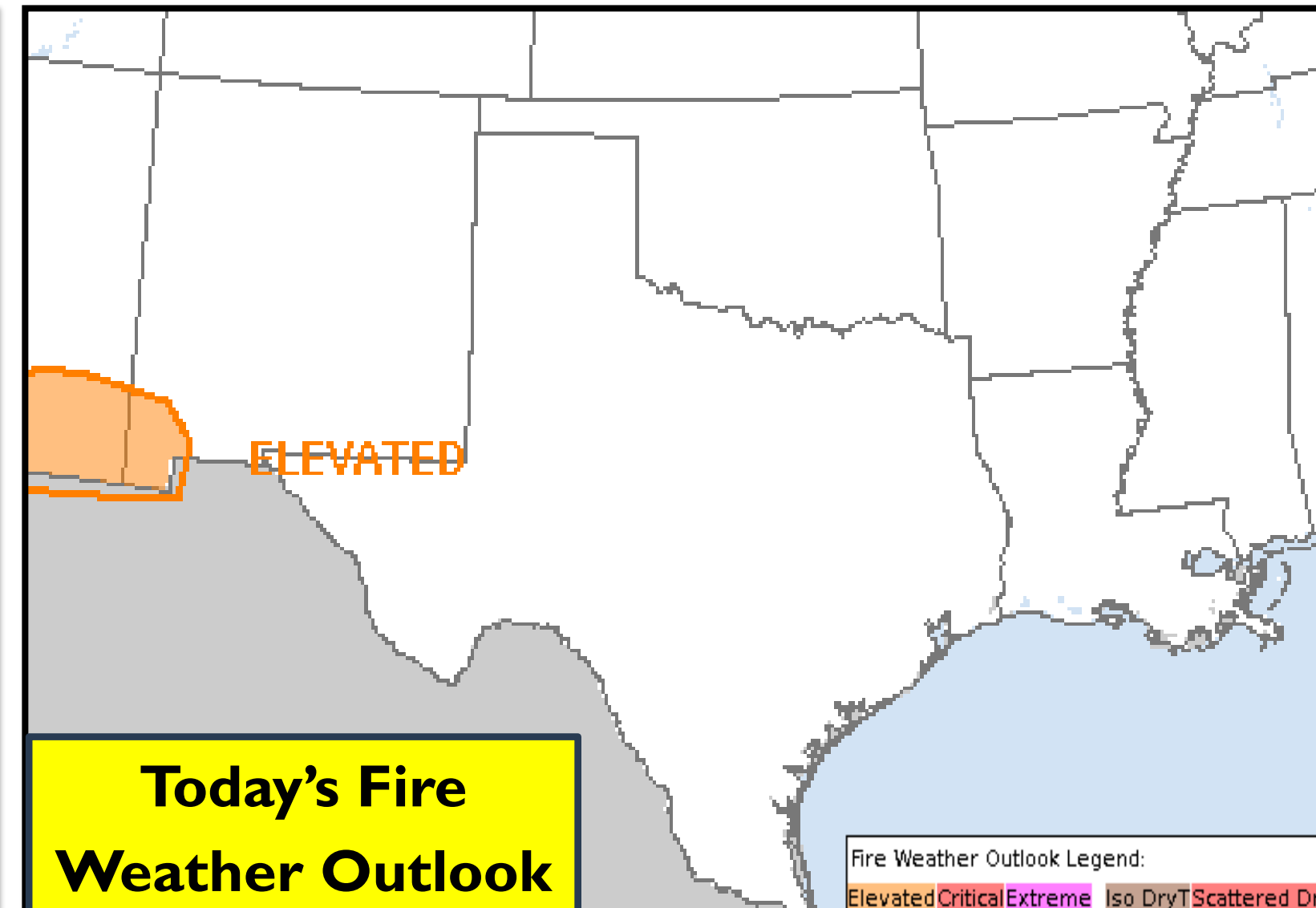
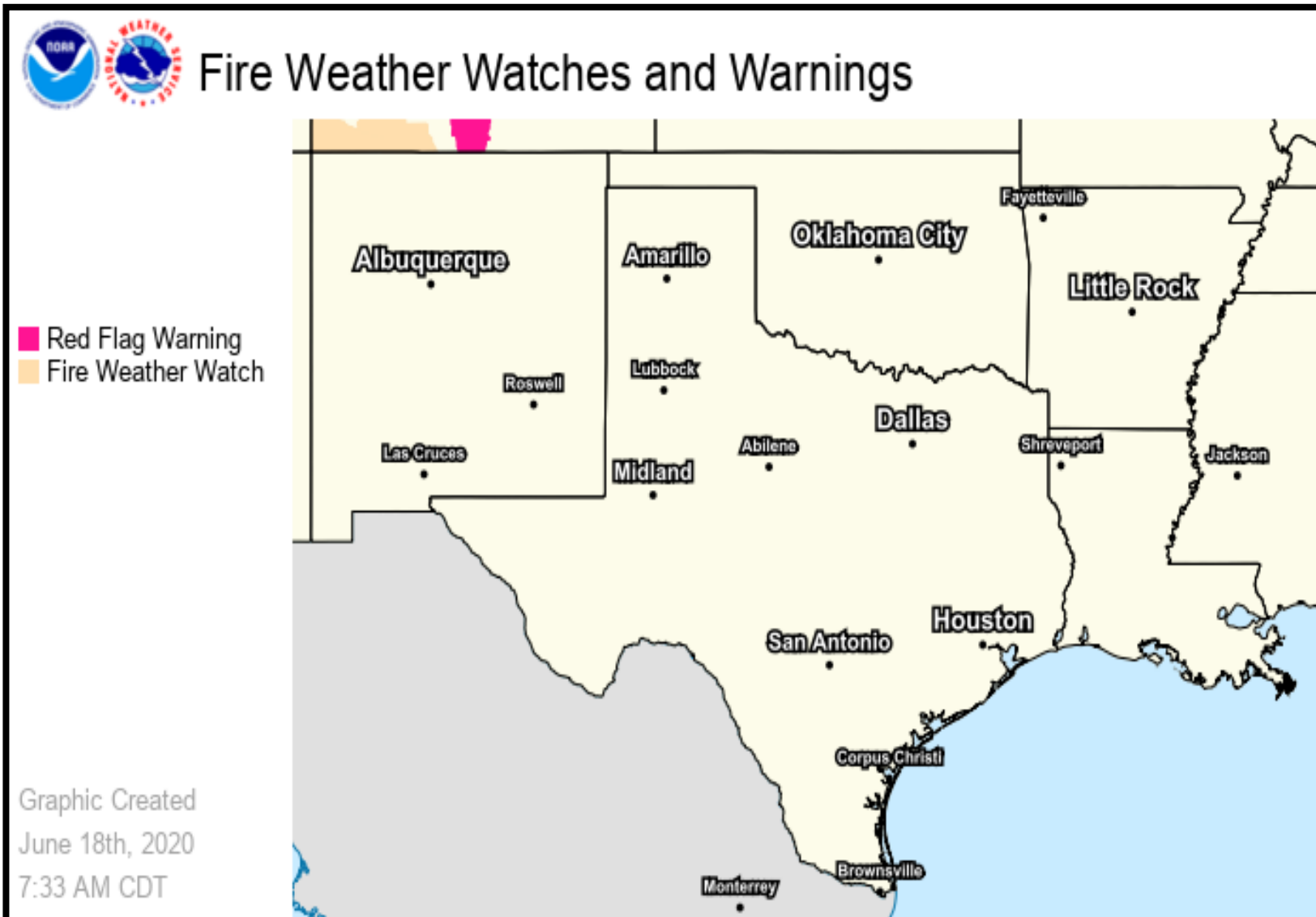
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# Fire Weather Outlooks



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6/18/2020 7:38 AM

**Note: Days 3-5 only highlight Critical areas**

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

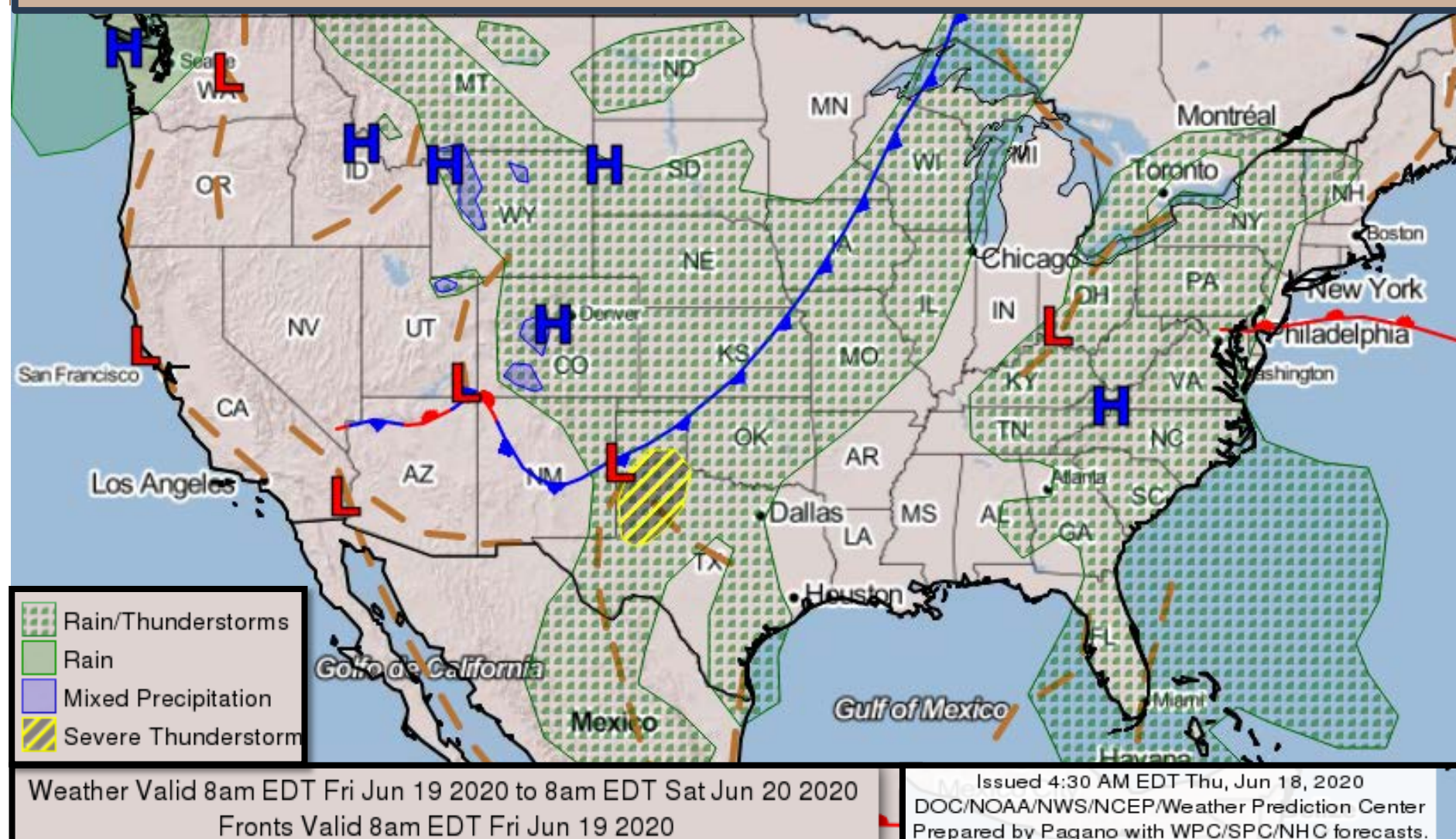


# Tomorrow's Weather

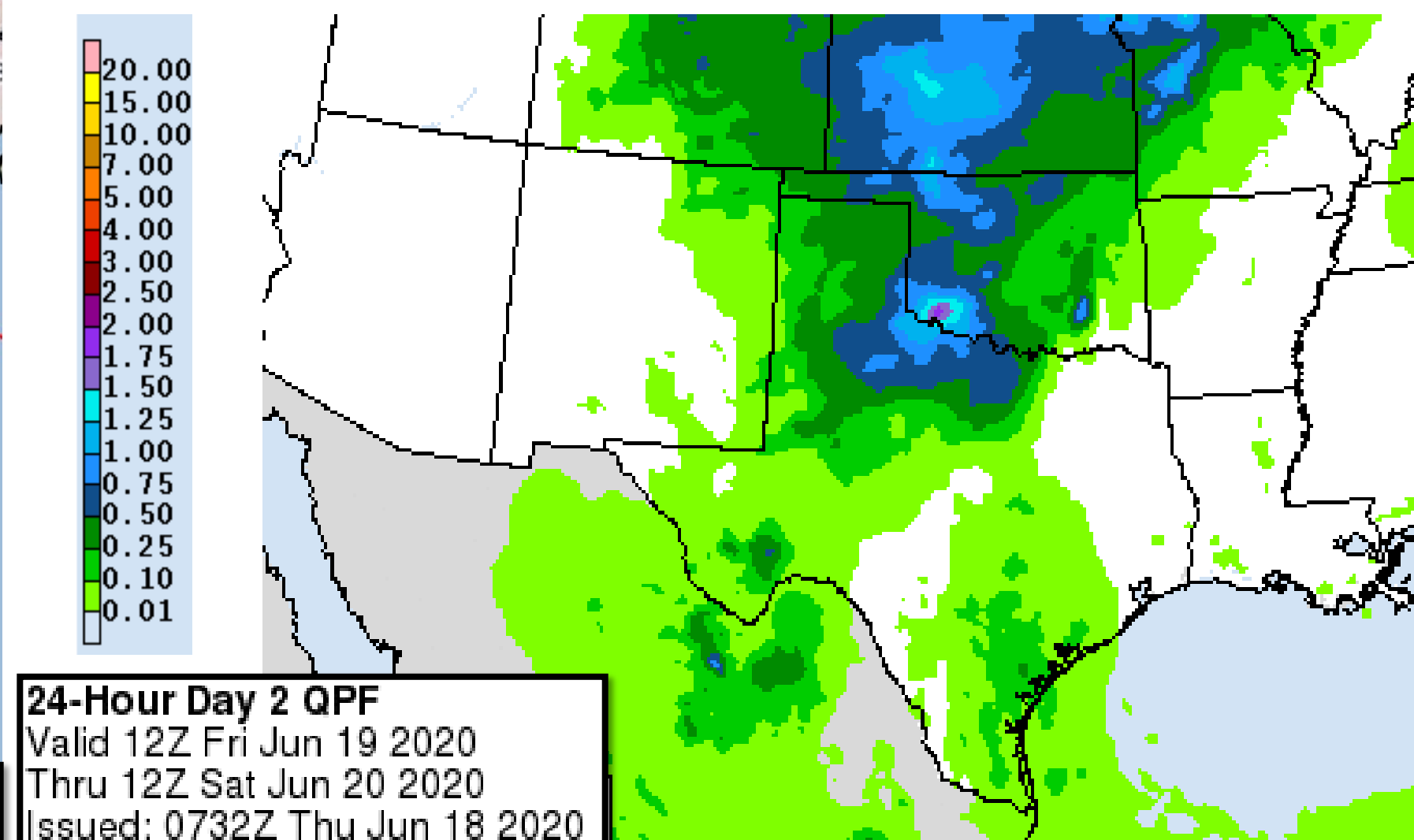


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## Forecast Chart



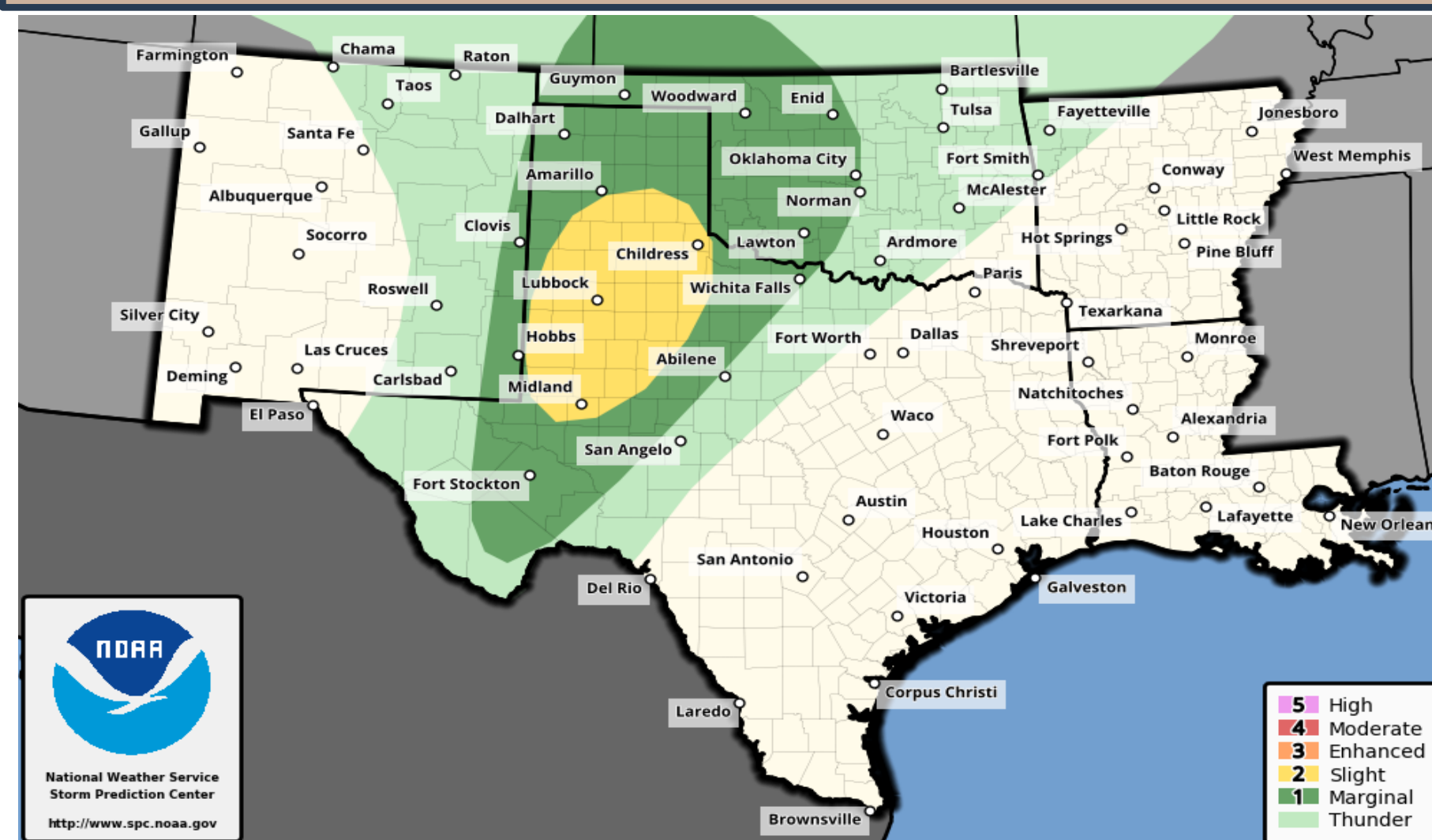
## Forecast Rainfall



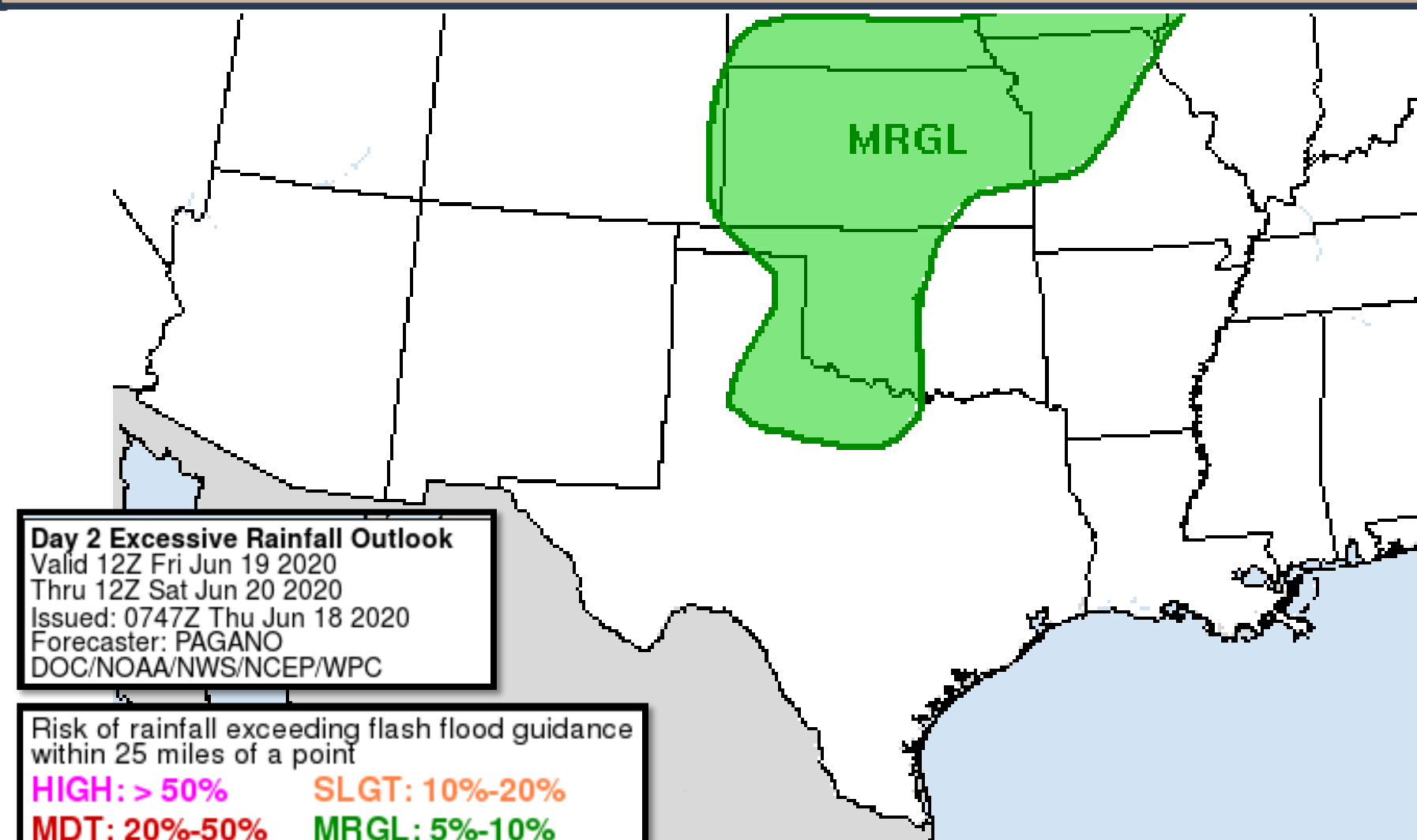
Isolated strong/severe  
thunderstorms with heavy  
rain/flash flooding across  
OK/WTX.

Severe thunderstorms  
possible across WTX.

## Severe Weather Outlook



## Excessive Rainfall Outlook





# Saturday's Weather

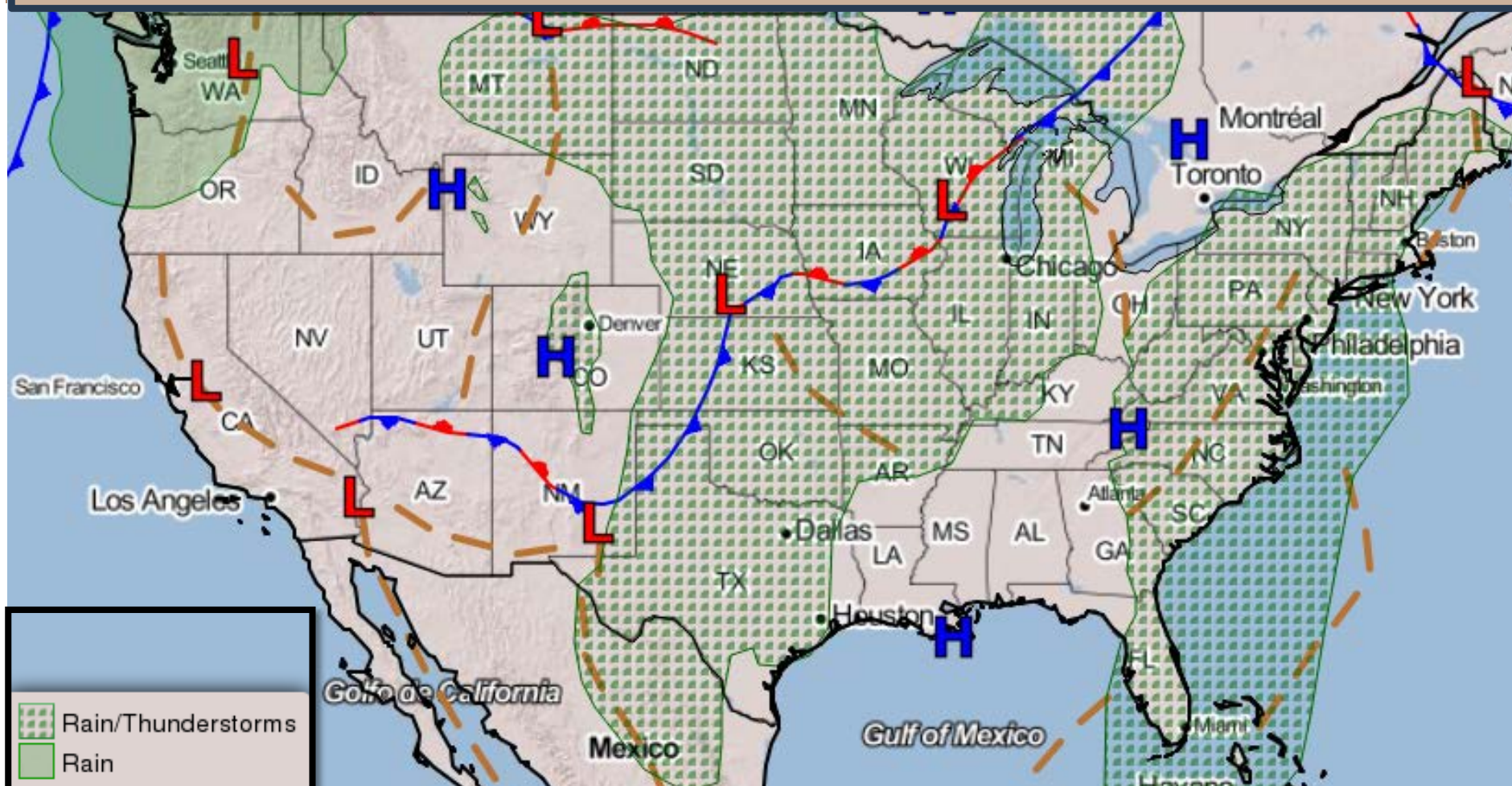


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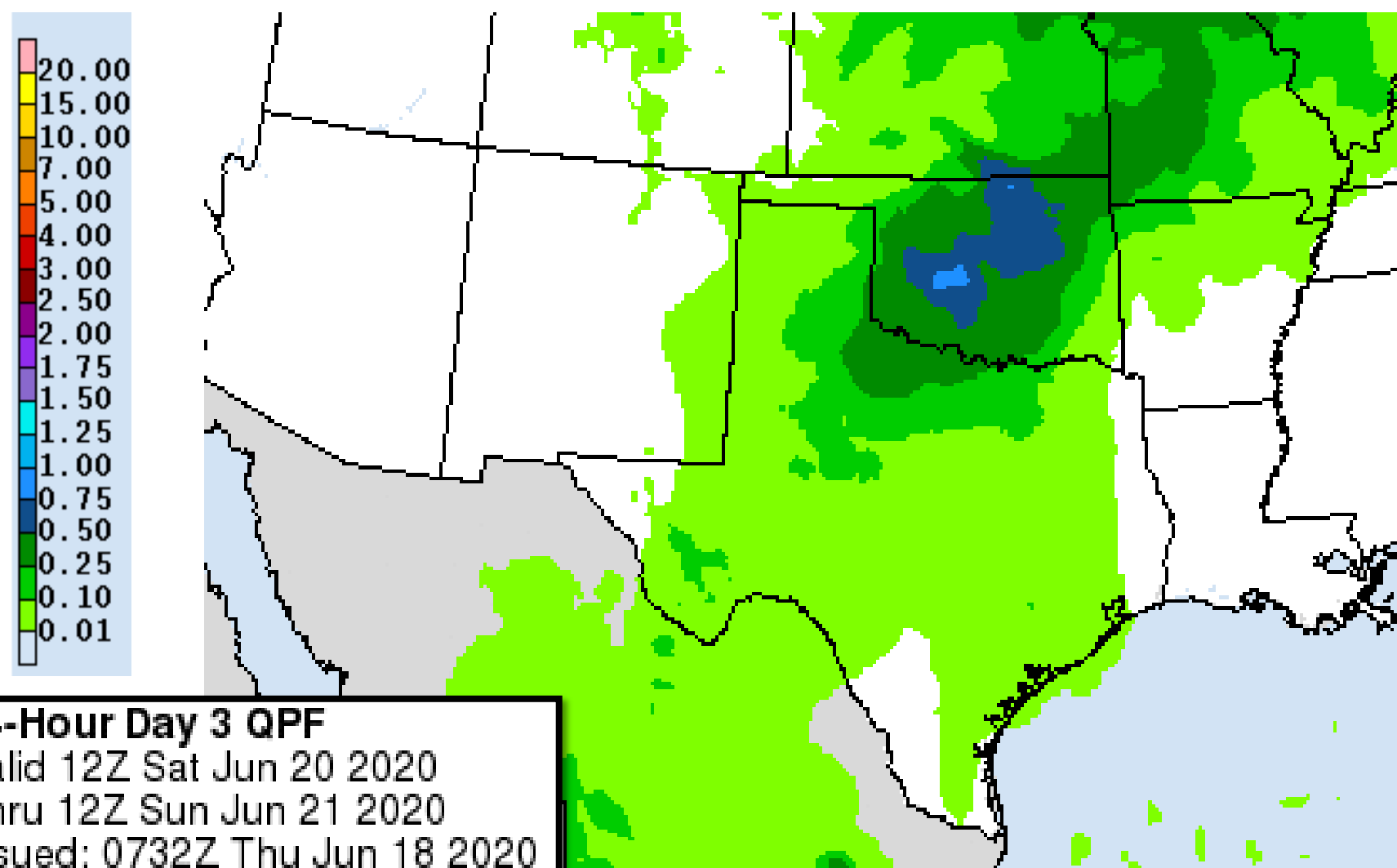
## Forecast Chart

## Forecast Rainfall

**Isolated strong/severe  
thunderstorms across OK.**



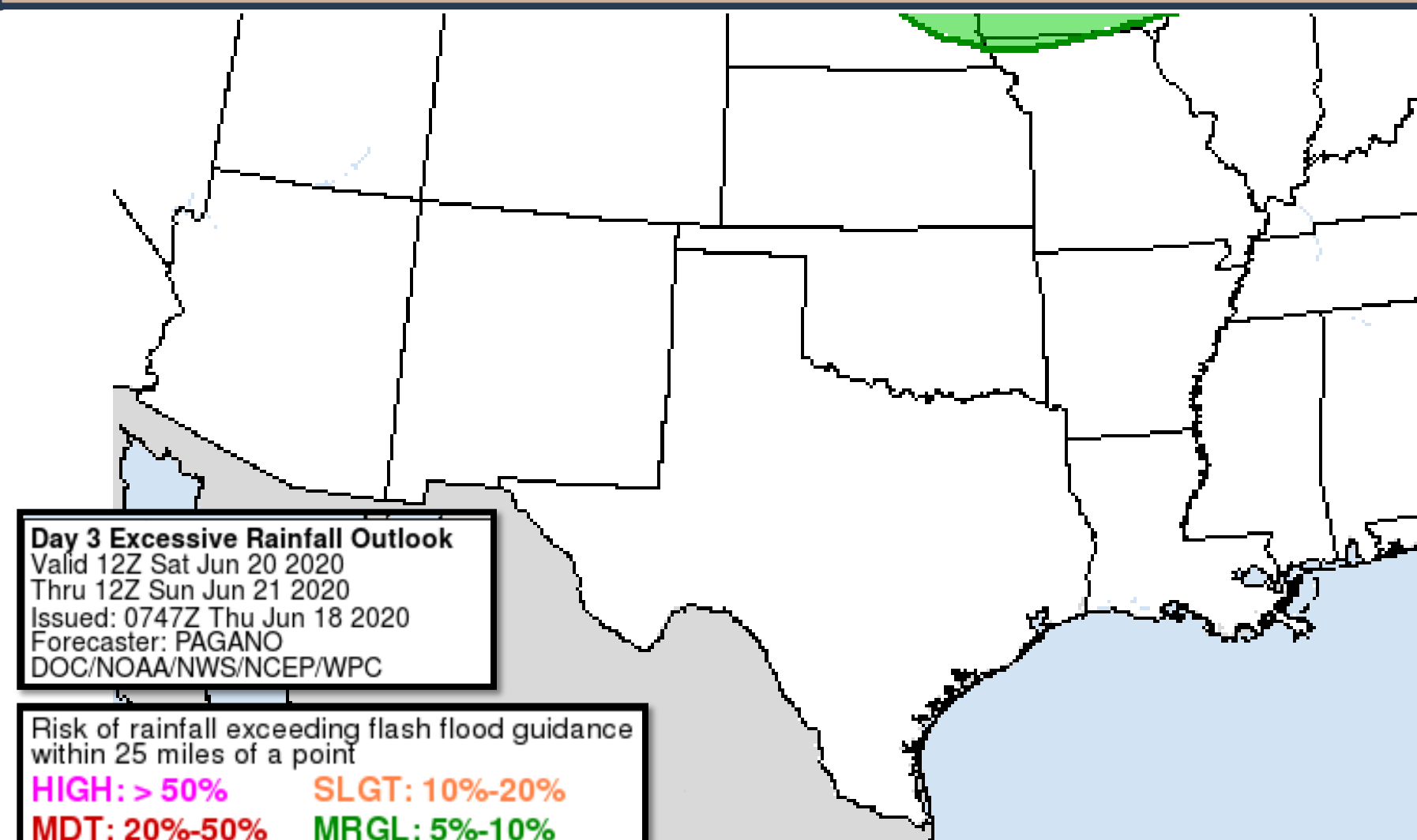
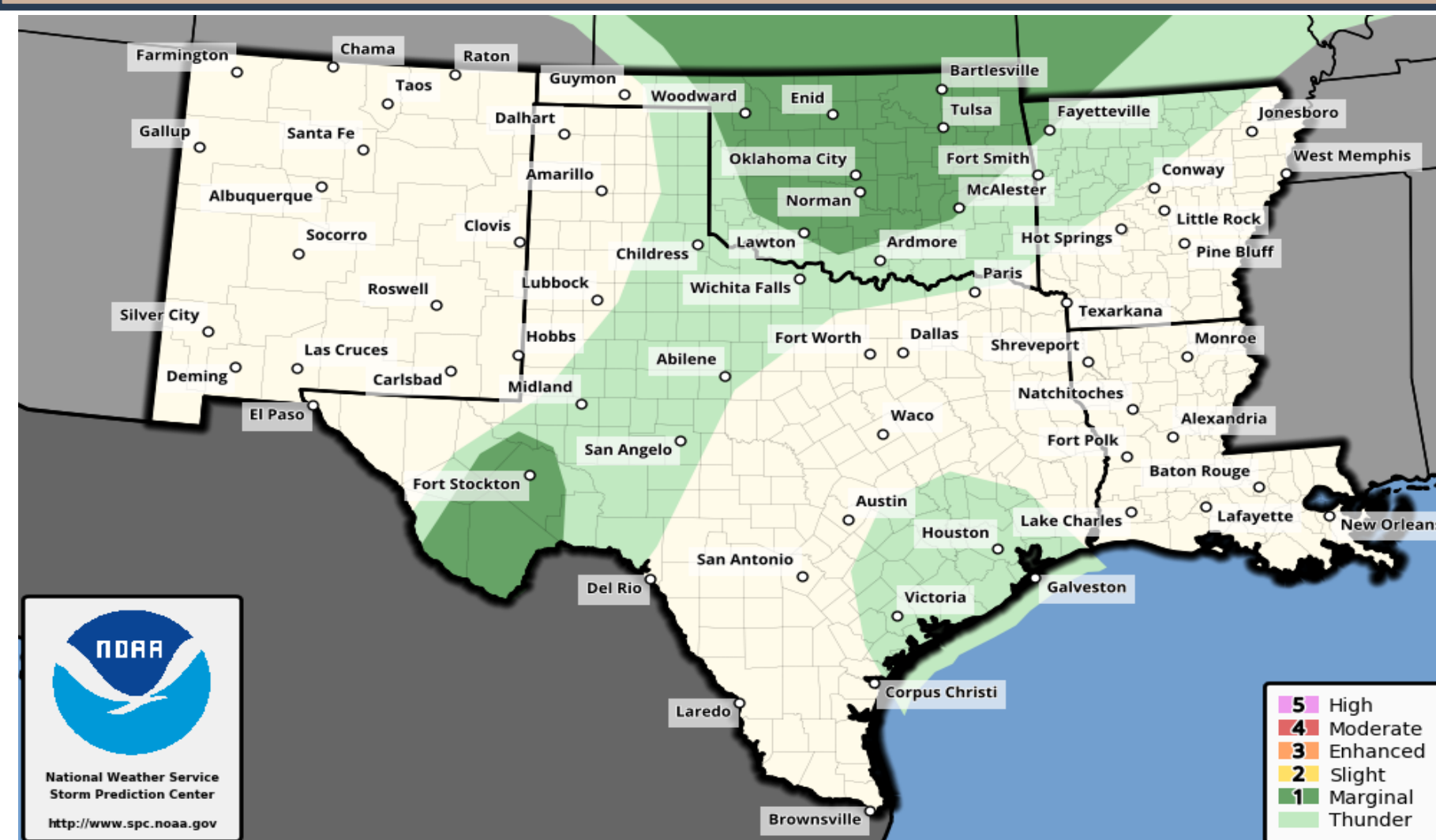
Weather Valid 8am EDT Sat Jun 20 2020 to 8am EDT Sun Jun 21 2020  
Fronts Valid 8am EDT Sat Jun 20 2020  
Issued 4:47 AM EDT Thu, Jun 18, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Campbell with WPC/SPC/NHC forecasts.



**24-Hour Day 3 QPF**  
Valid 12Z Sat Jun 20 2020  
Thru 12Z Sun Jun 21 2020  
Issued: 0732Z Thu Jun 18 2020

## Severe Weather Outlook

## Excessive Rainfall Outlook



**Day 3 Excessive Rainfall Outlook**  
Valid 12Z Sat Jun 20 2020  
Thru 12Z Sun Jun 21 2020  
Issued: 0747Z Thu Jun 18 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%**



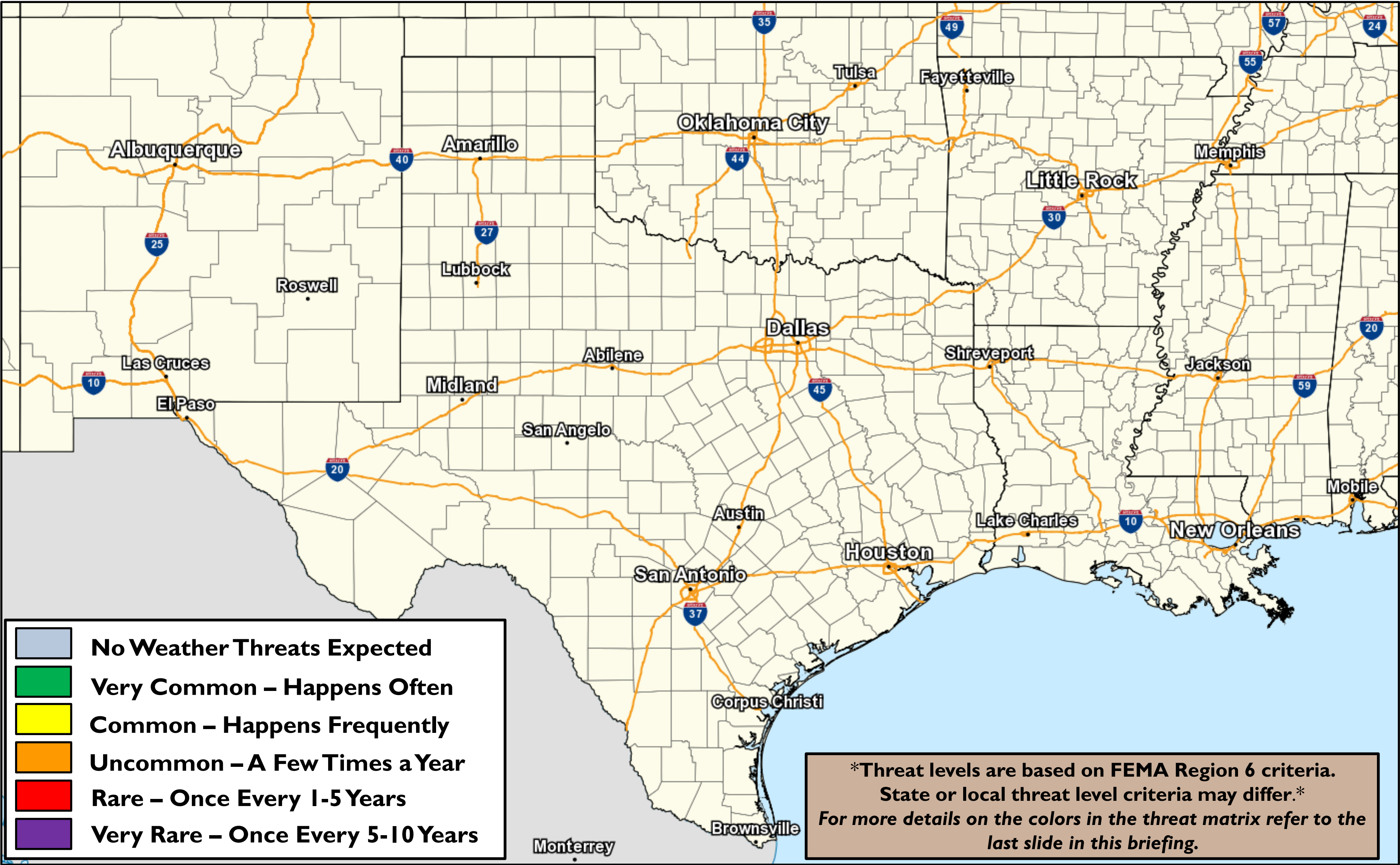
# Days 4-5 Weather Hazards

Sunday - Monday



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No significant weather expected.





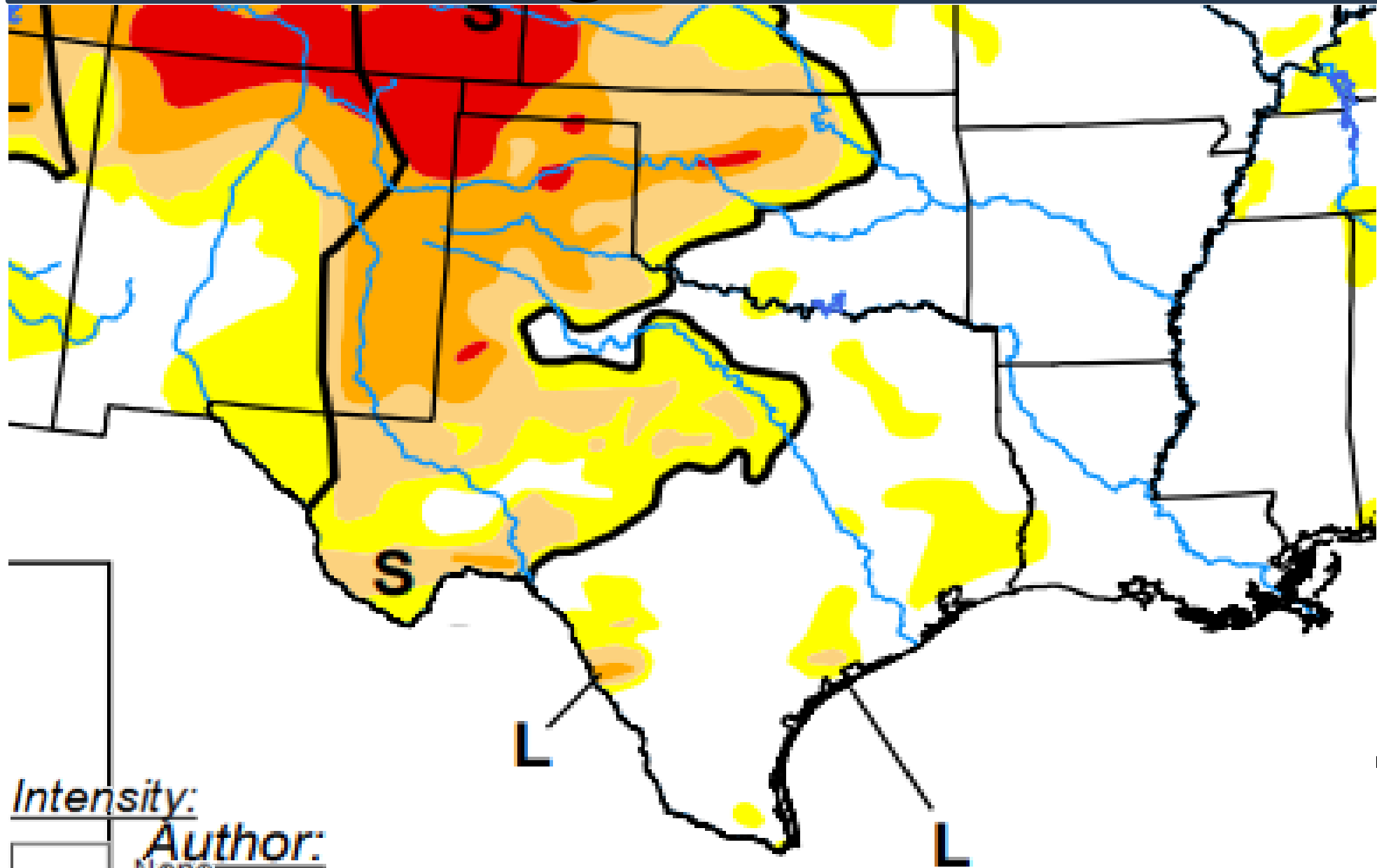
# Drought Monitor (Released Jun 18, 2020)



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Data valid as of 8 am ET on Tuesday, June 16, 2020

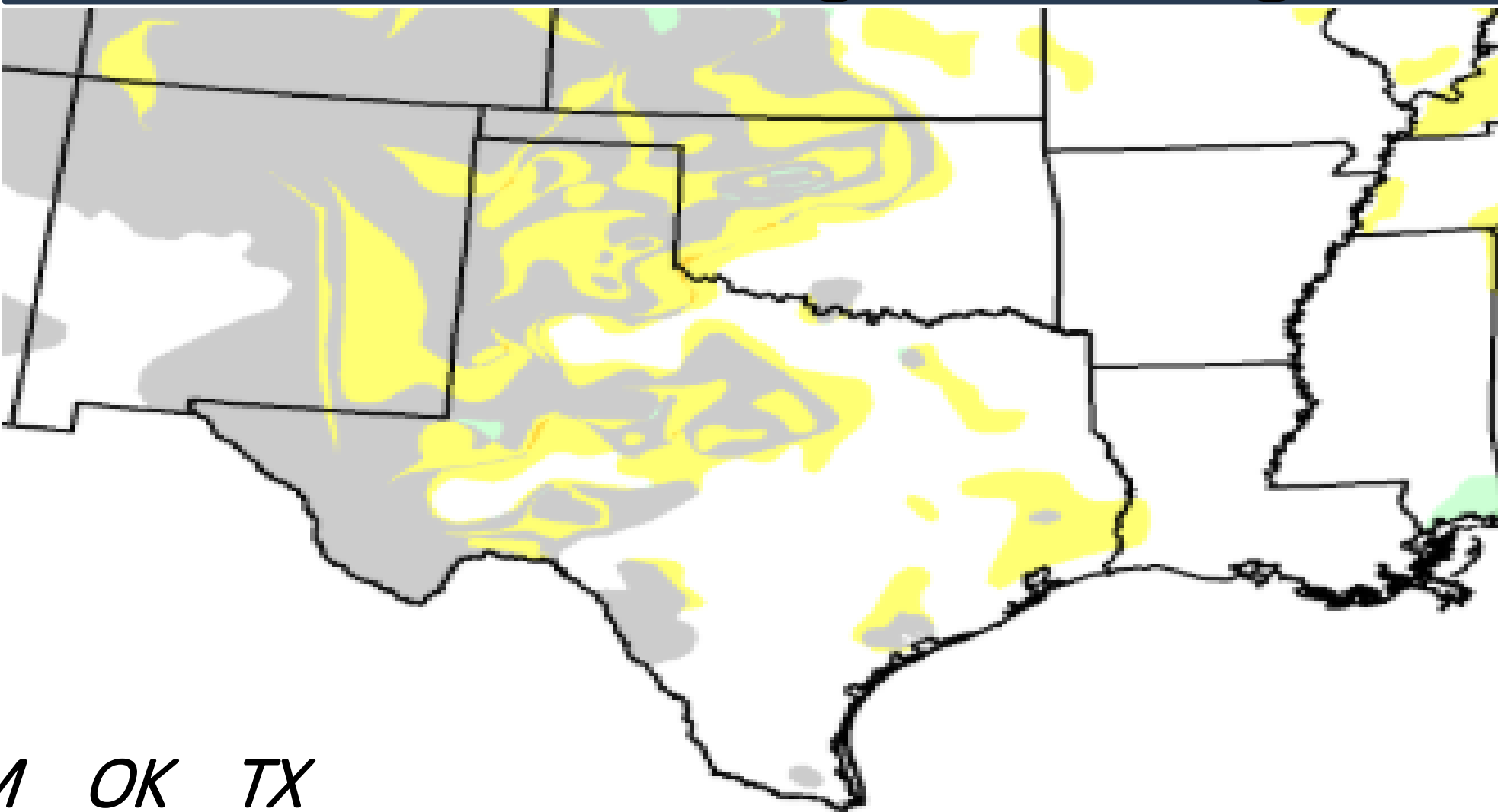
## Drought Monitor



- 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.

## One Week Change in 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

	AR	LA	NM	OK	TX
	0.00	0.00	8.91	3.92	0.58
Last Week 06-09-2020	0.00	0.00	4.53	1.72	0.00
3 Months Ago 03-17-2020	0.00	0.00	0.00	0.00	5.87
One Year Ago 06-18-2019	0.00	0.00	0.00	0.00	0.00

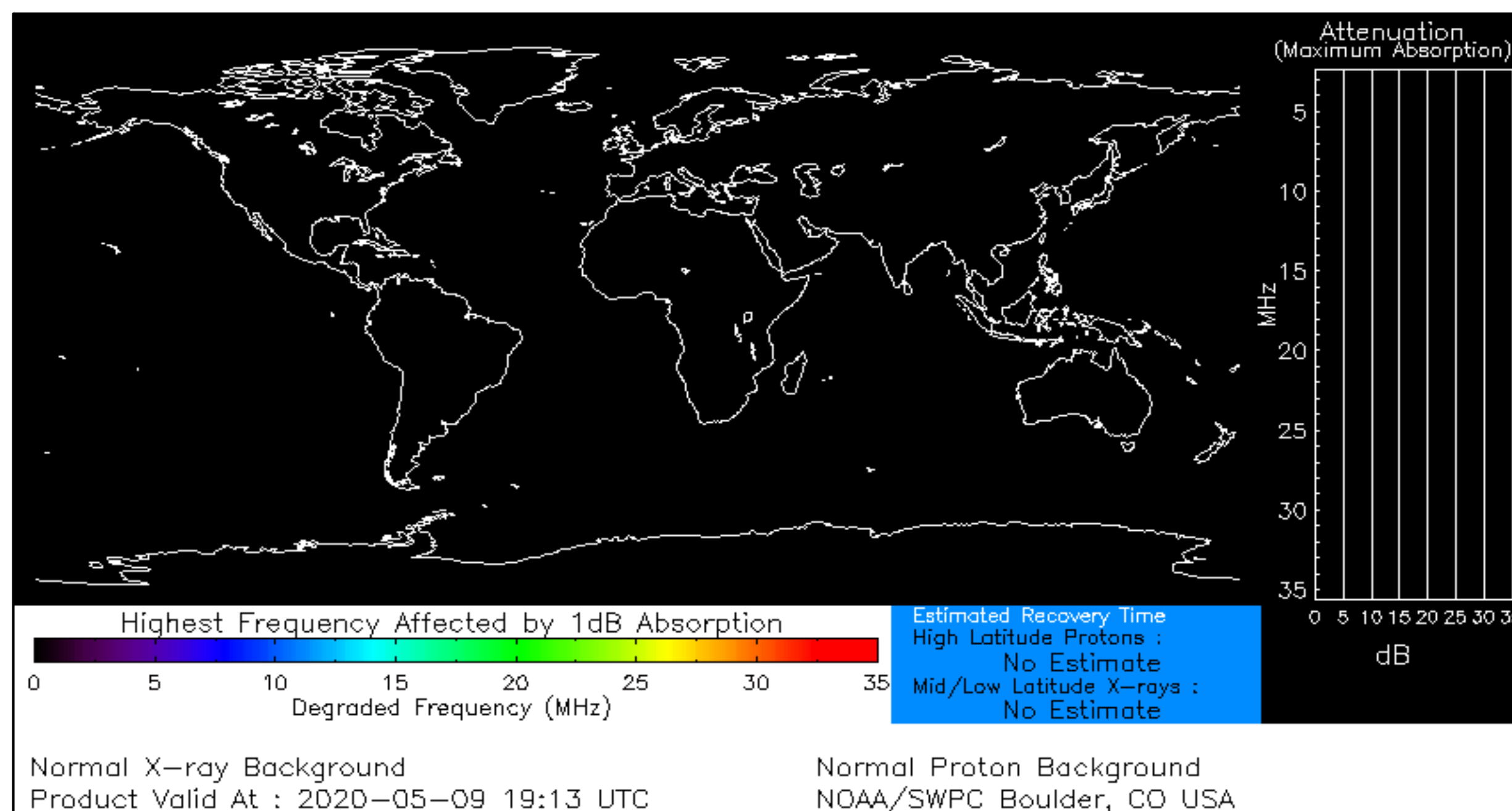
Drought Conditions (Percent Area)  
D3-D4 (Extreme to Exceptional Drought)

# Space Weather 3-Day Forecast



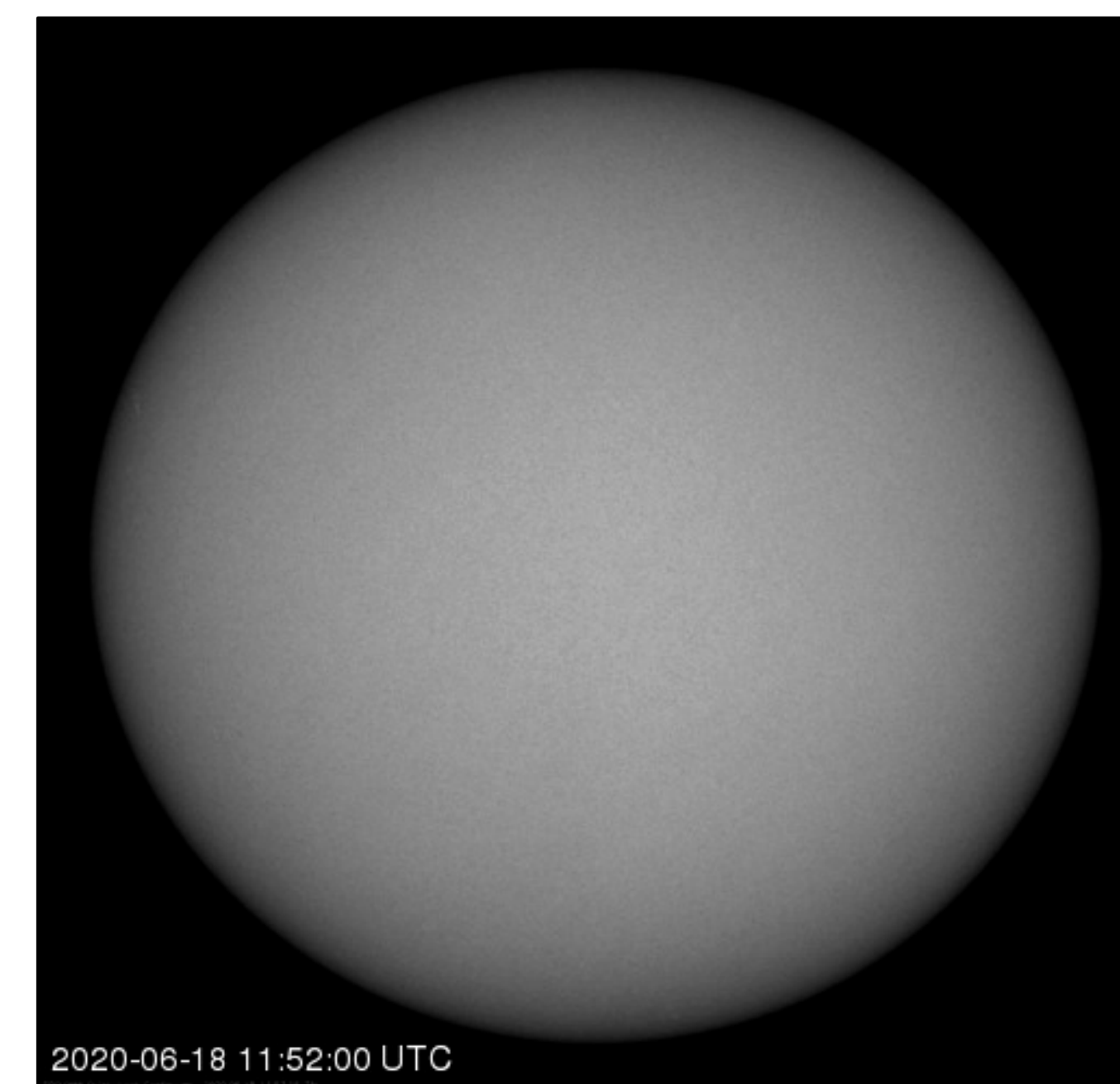
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	Thursday	Friday	Saturday
<b>Geomagnetic Storms</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>
<b>Radio Blackout (R1-R2)</b>	<b>1%</b>	<b>1%</b>	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



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



2020-06-18 11:52:00 UTC





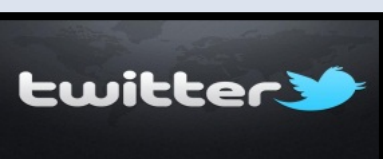
**For more information, please contact:**

**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	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	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	<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	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	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	<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	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	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	<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	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	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	<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	<b>Very Rare – Once Every 5-10 Years</b> 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	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	<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).