



# FEMA



Prepared by  
*Todd Beal*

# FEMA Region 6 Weather Threat Briefing

Friday October 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).



- **Hurricane Delta is forecast to make landfall along the coast of Louisiana this evening.**
  - **Dangerous storm surge, tropical storm to hurricane force winds, and flash flooding across S LA and SE/ETX.**
  - **Flash flooding threat extends northward into NE LA and SE AR on Saturday.**
- **Elevated to critical fire weather conditions across NM W TX and the TX/OK Panhandles through Tuesday.**

# FEMA Region 6 Threat Matrix

Oct 9, 2020 - Oct 13, 2020



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DAY / THREAT	Fri	Sat	Sun	Mon	Tue
Severe Storms	SE LA				
Heavy Rain / Flash Flooding	LA	E AR/NE LA			
	E & SETX, SE AR				
Fire Weather	TX/OK Panhandles	NM/Far W TX	NM/W TX & TX/OK Panhandles	N NM	N NM
Tropical Winds / Surge	LA				
	SETX & ETX				
Winter Weather					
River Flooding	LA	LA	LA	LA	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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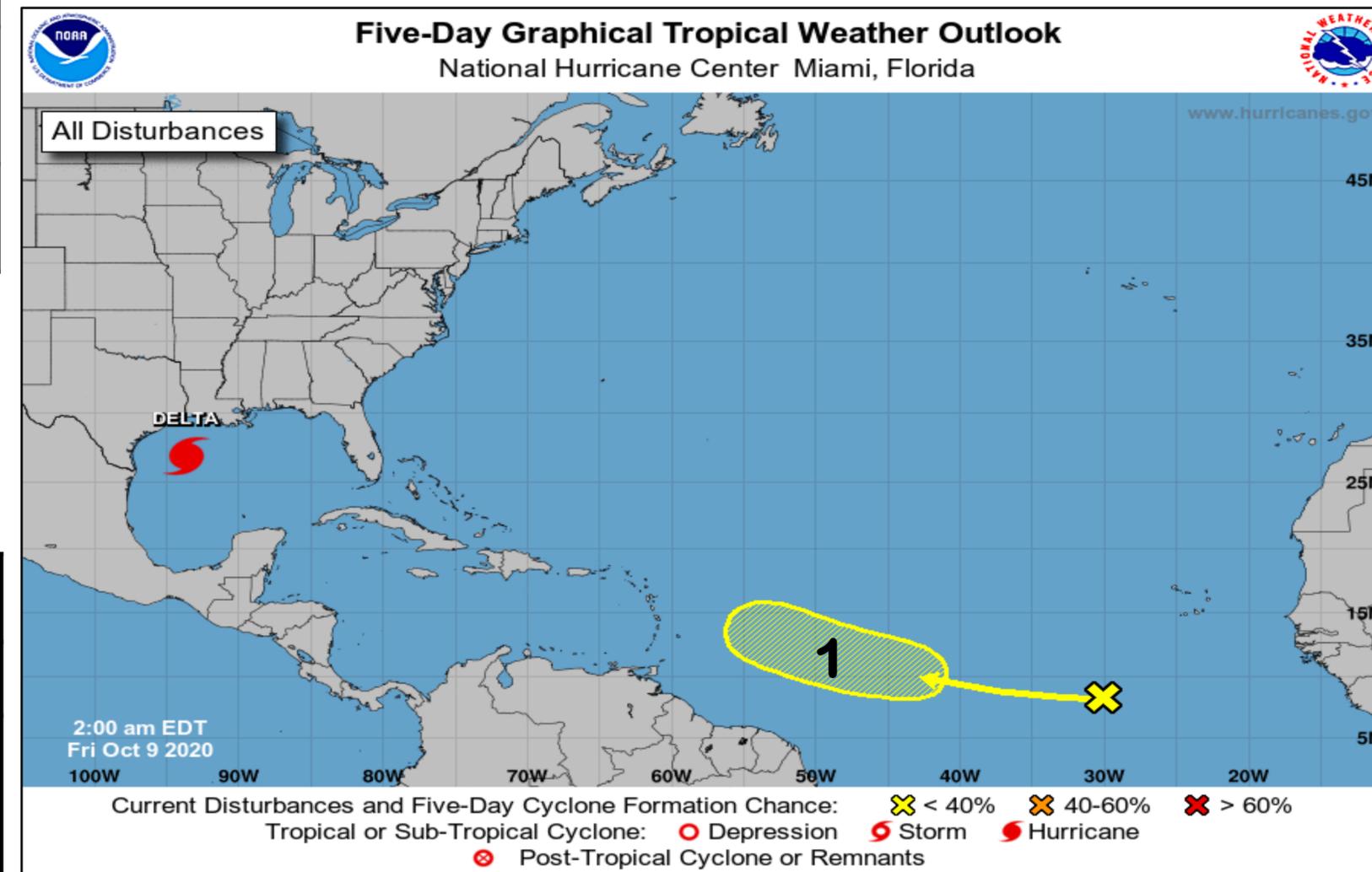
See next slides for more information on Gamma and Delta

## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Low	None in the next five days.

## Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
Delta	Life-threatening storm surge, flooding, and TS to hurricane force winds for LA, and SE/E TX. Inland heavy rain/flash flood threat for LA/E AR/SE & E TX.

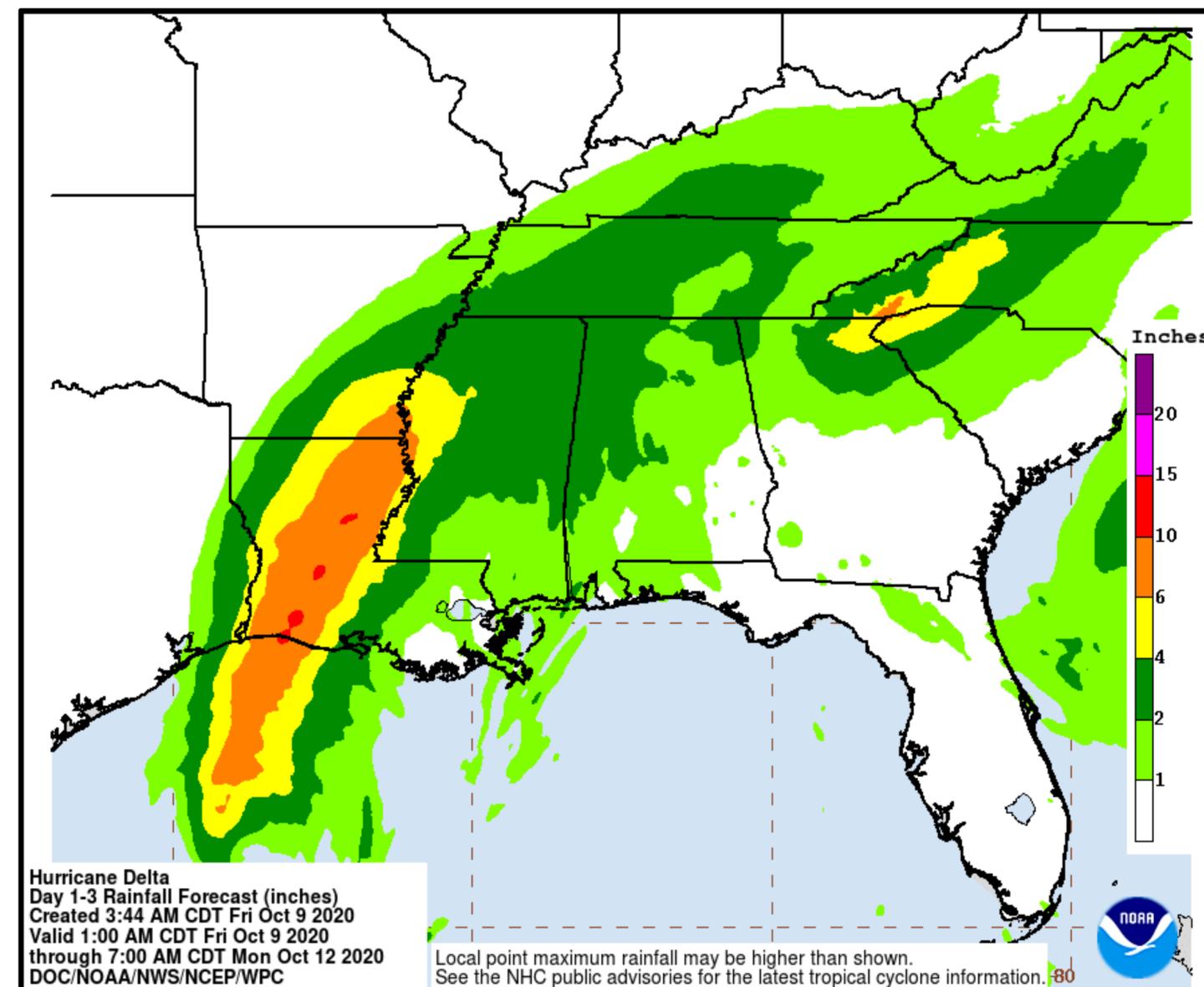
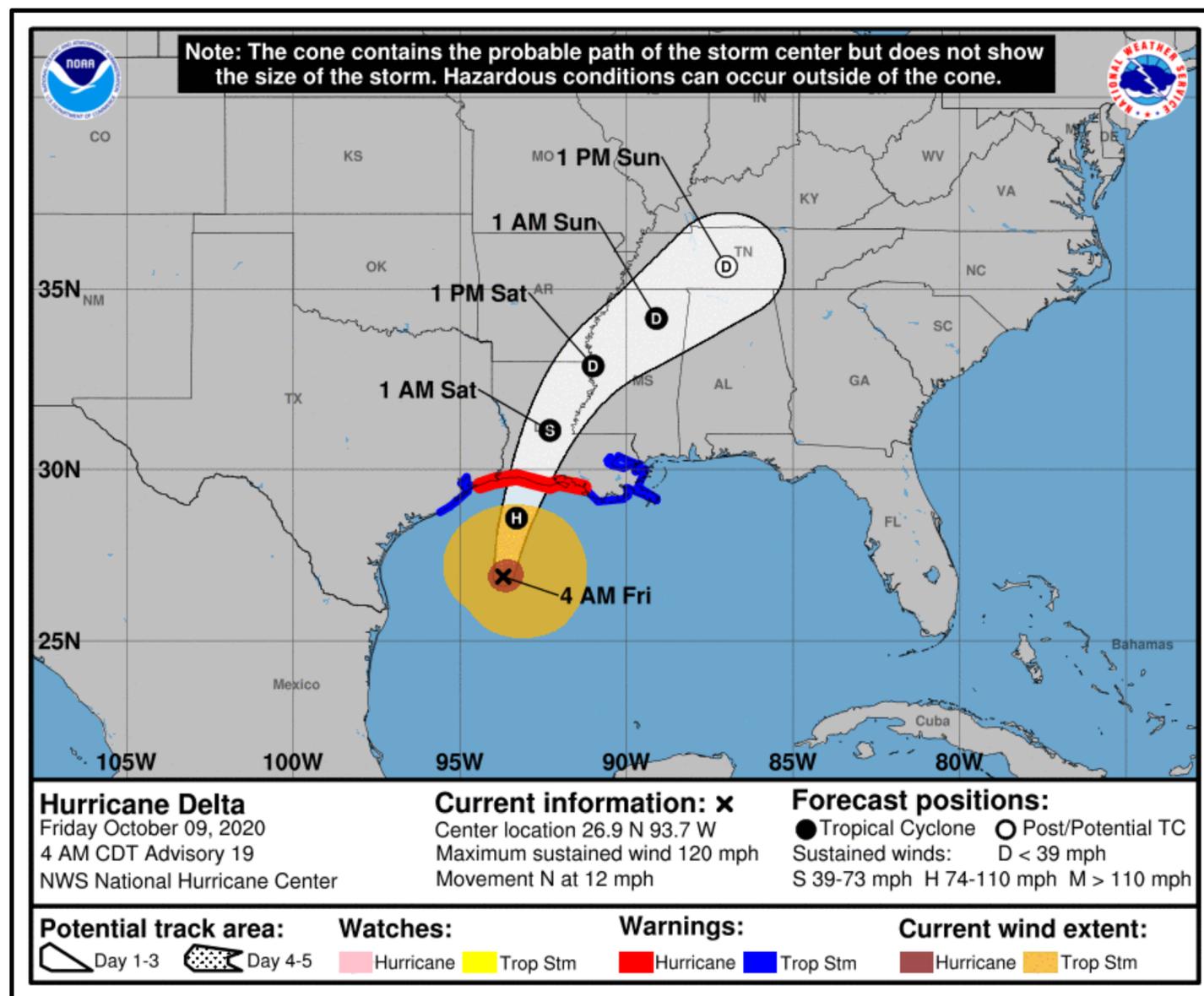


# Delta Summary



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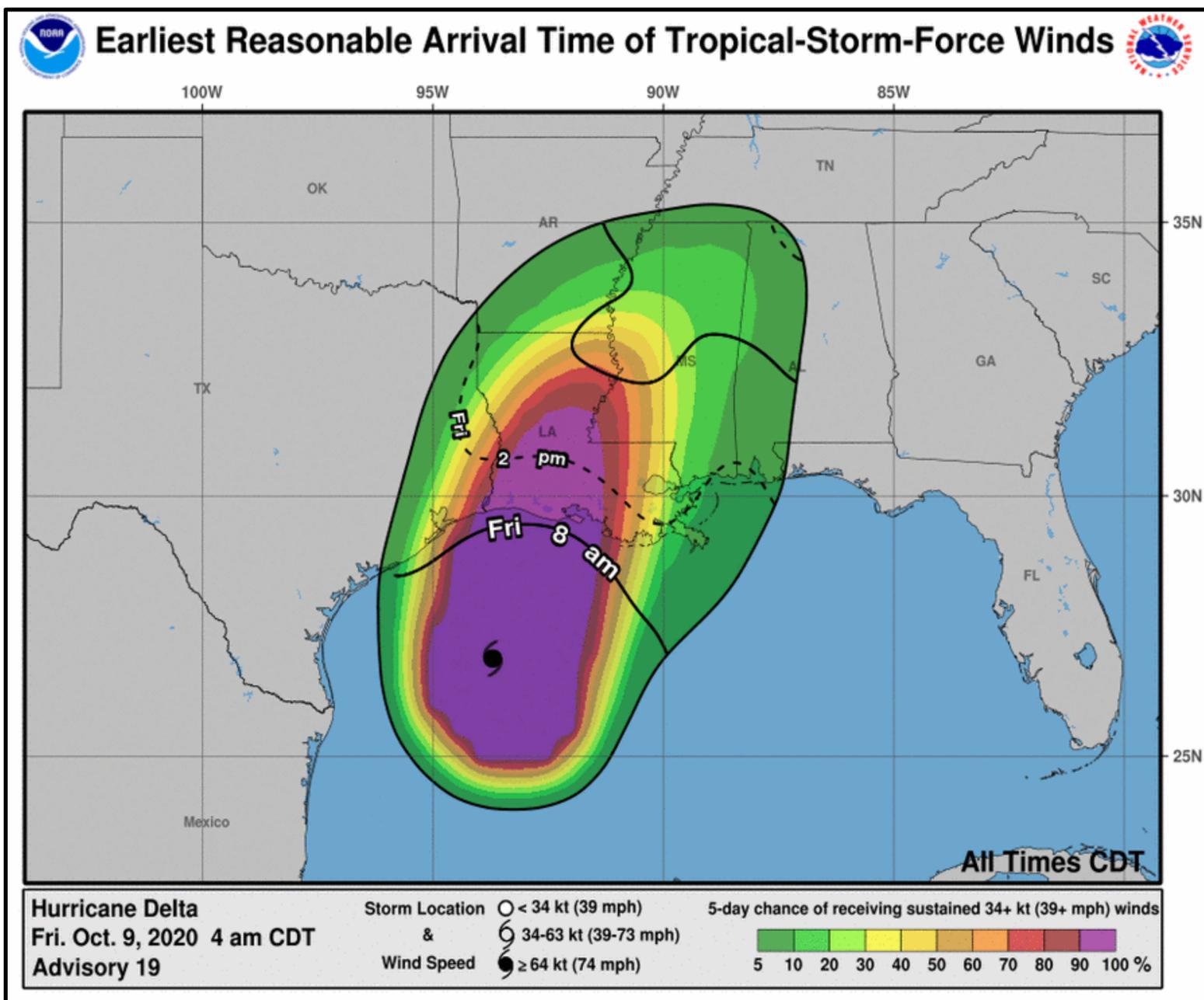
- **Summary:** Delta will approach the coast of Louisiana this evening.
- **POTENTIAL Impacts:** Life-threatening storm surge, heavy rainfall and tropical storm to hurricane force winds for LA, and SE/ETX. Inland heavy rain/flash flood potential for LA/E AR/SE & ETX today into Saturday.



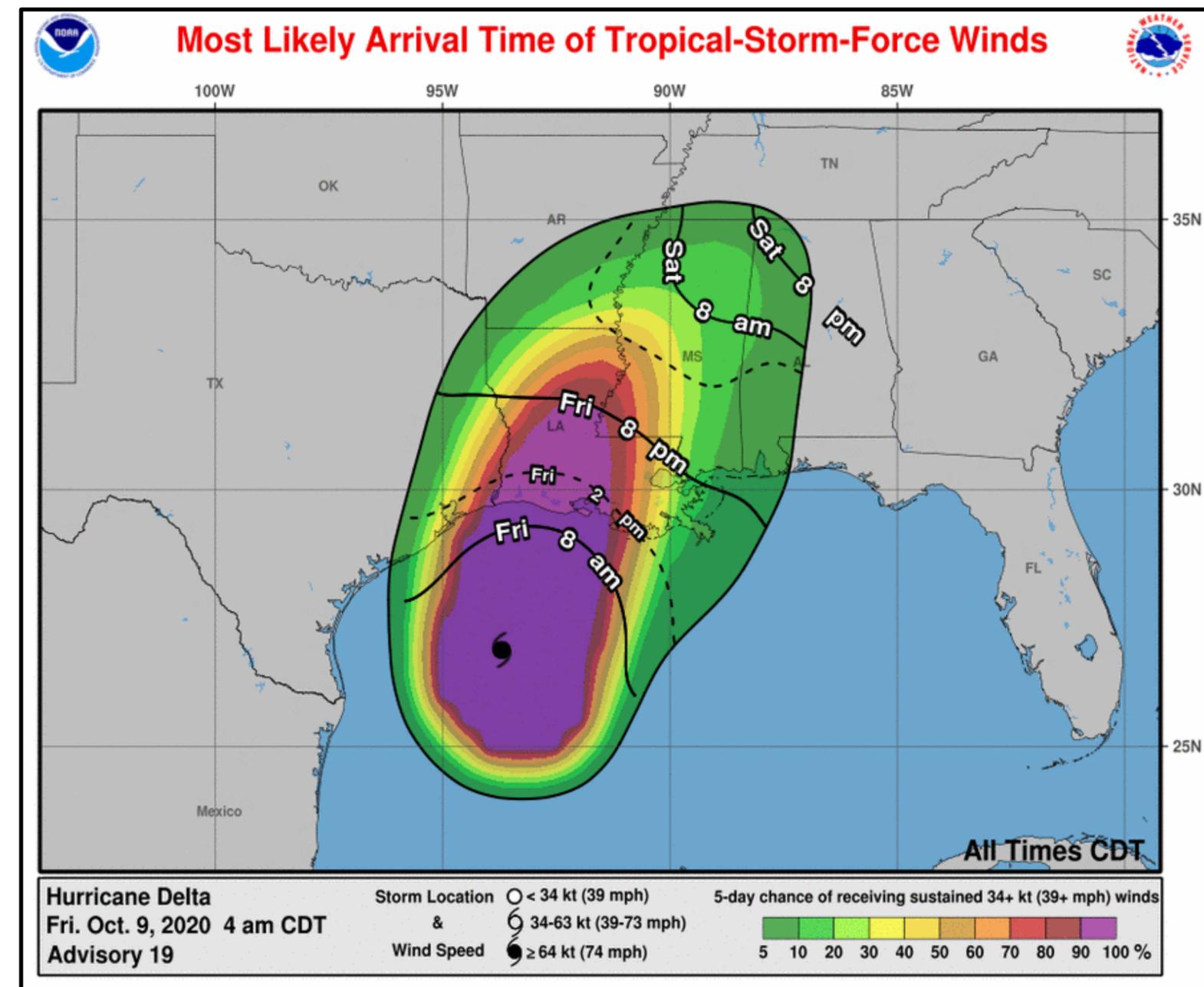
# Delta Summary



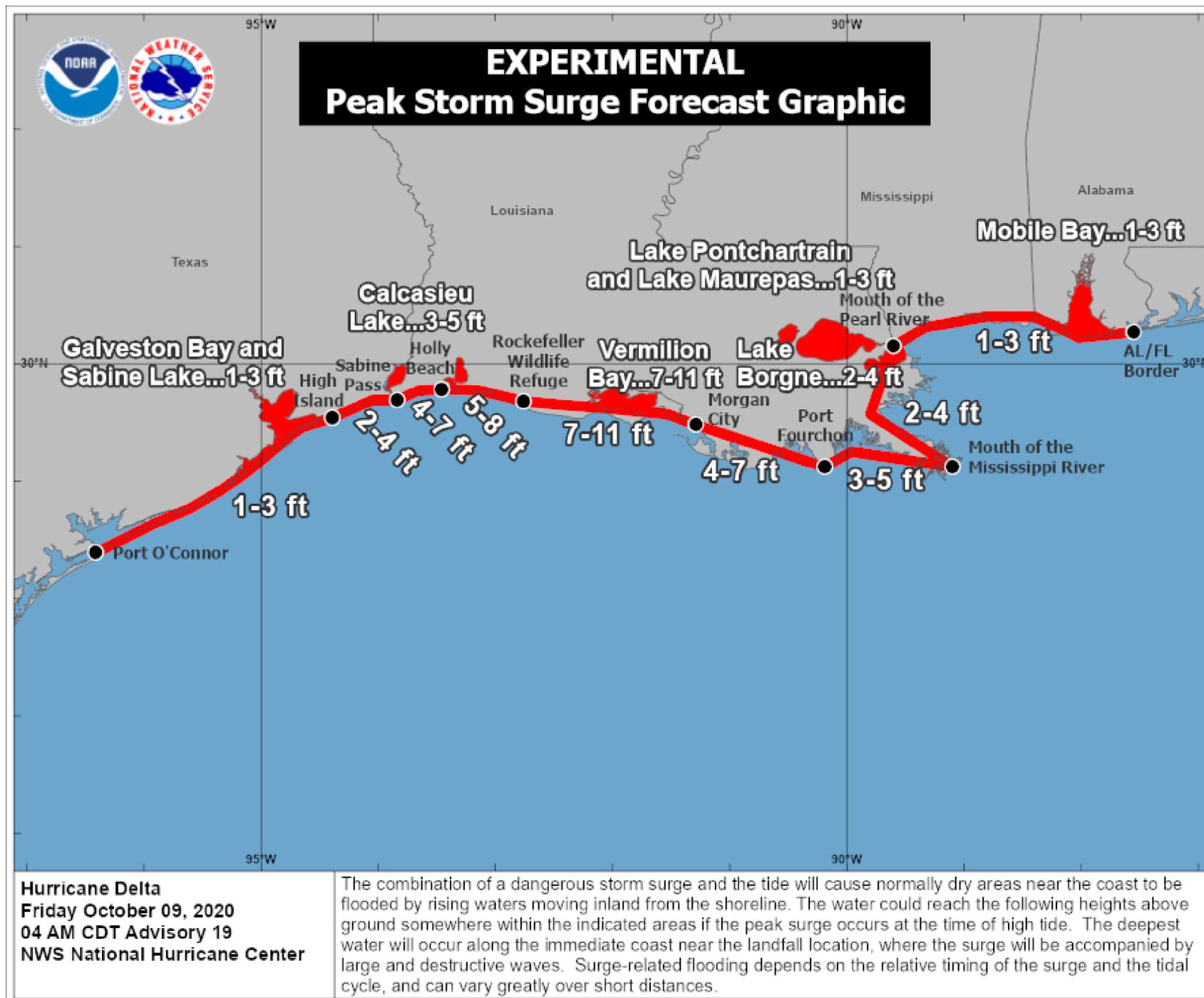
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**Sustained tropical storm force winds could arrive at the coast as early as this morning.**



**Sustained tropical storm force winds are most likely to arrive at the coast by midday.**



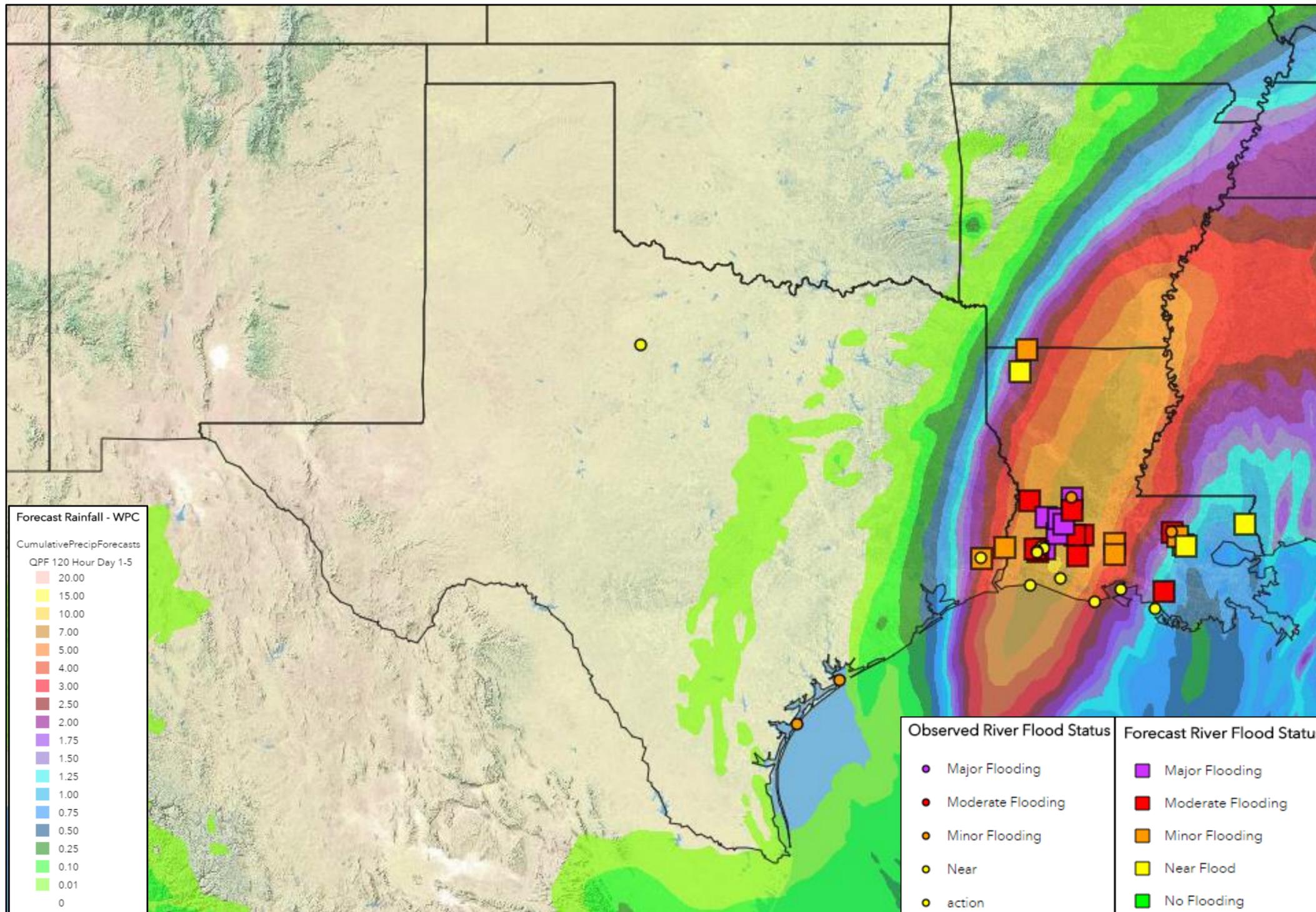
- **Life-threatening storm surge is expected near and east of where Delta makes landfall.**
- **Storm Surge Warning is in effect from High Island, Texas to Ocean Springs, Mississippi.**
- **The highest inundation of 7 to 11 feet is expected somewhere between Rockefeller Wildlife Refuge and Morgan City, Louisiana.**

# 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 river flooding is forecast across LA due to Hurricane Delta.**

**Some points along the Calcasieu River (Glenmora, Oberlin, Kinder, White Oak Park) and are forecast to go into major flood. Impacts to structures, homes, roads, and camps may occur.**

**Bundick Creek at Bundick Lake is also forecast to reach major flooding. Numerous homes and camps may flood around the lake.**

# Today's Weather



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## Forecast Chart

## Forecast Rainfall

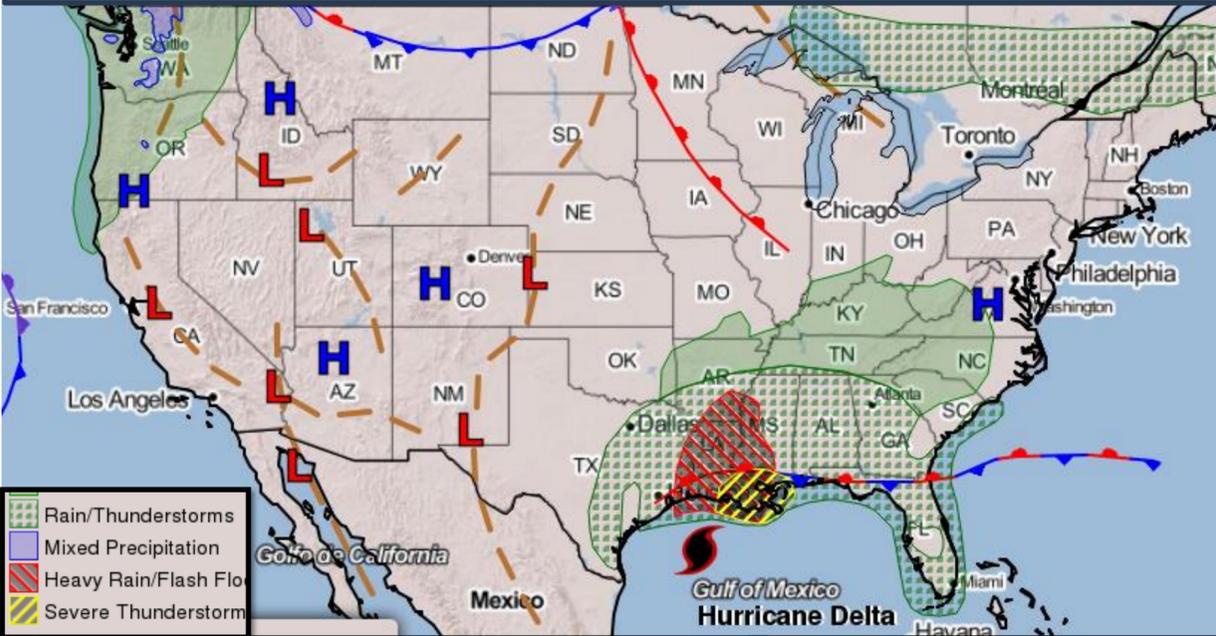
**Dangerous storm surge and tropical storm to hurricane force winds across S LA.**

**Potential for dangerous storm surge and tropical storm force winds across SE TX.**

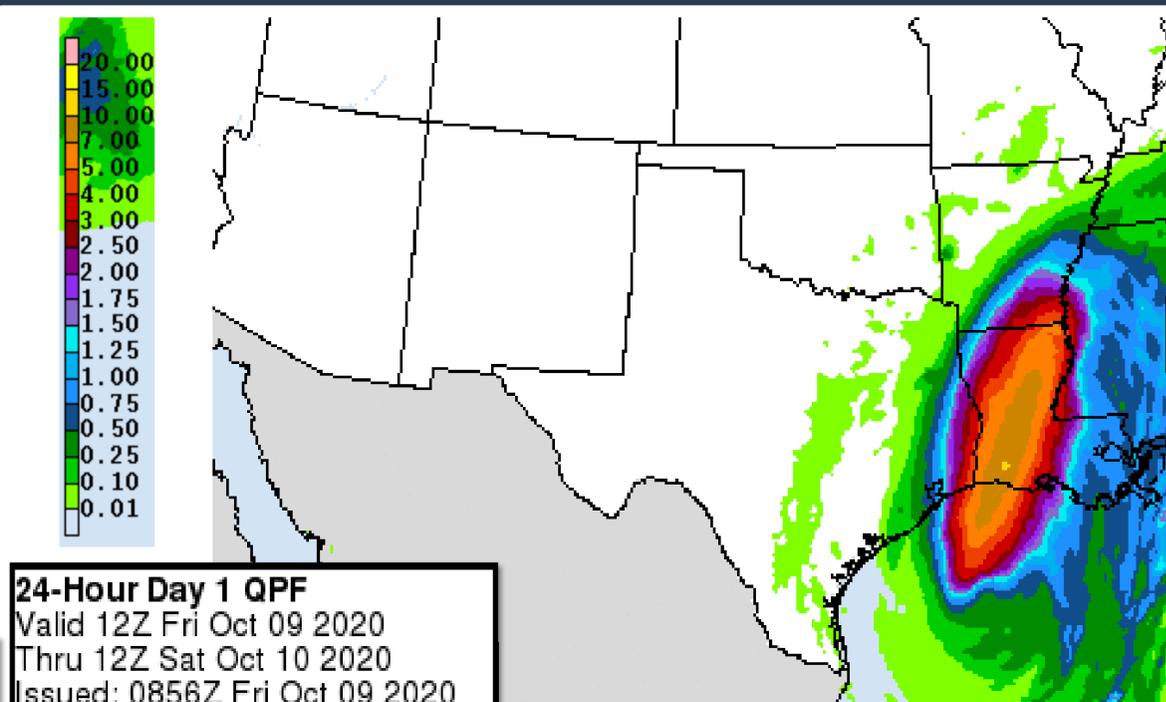
**Heavy rain/flash flooding expected across SW LA.**

**Isolated heavy rainfall and flash flooding across SE AR and E & SETX.**

**Isolated severe storms across SE LA. Brief tornadoes are the main threat.**

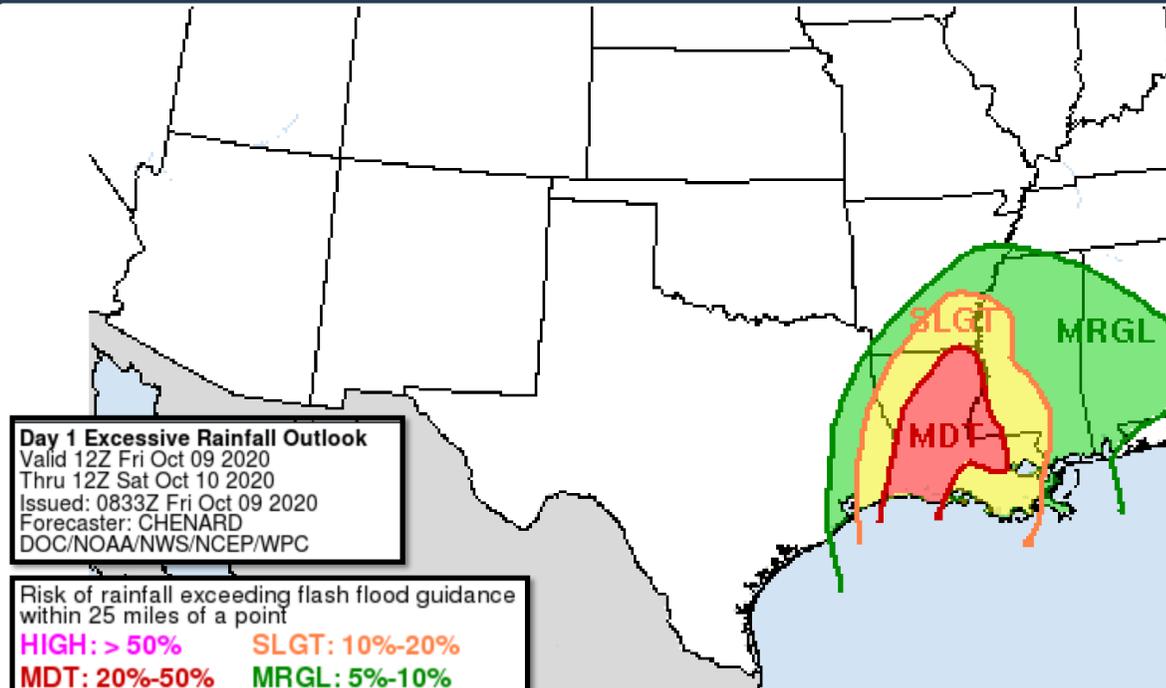
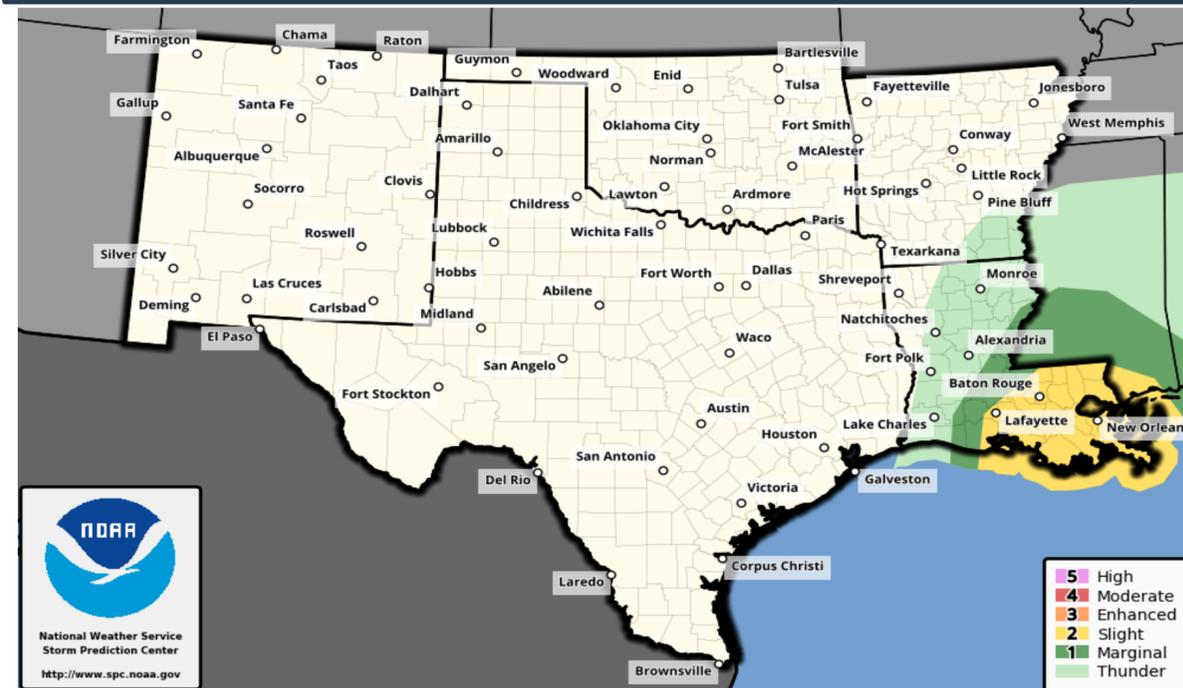


Weather Valid 8am EDT Fri Oct 09 2020 to 8am EDT Sat Oct 10 2020  
Fronts Valid 8am EDT Fri Oct 09 2020  
Issued 4:44 AM EDT Fri, Oct 09, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Hurley with WPC/SPC/NHC forecasts.



## Severe Weather Outlook

## Excessive Rainfall Outlook



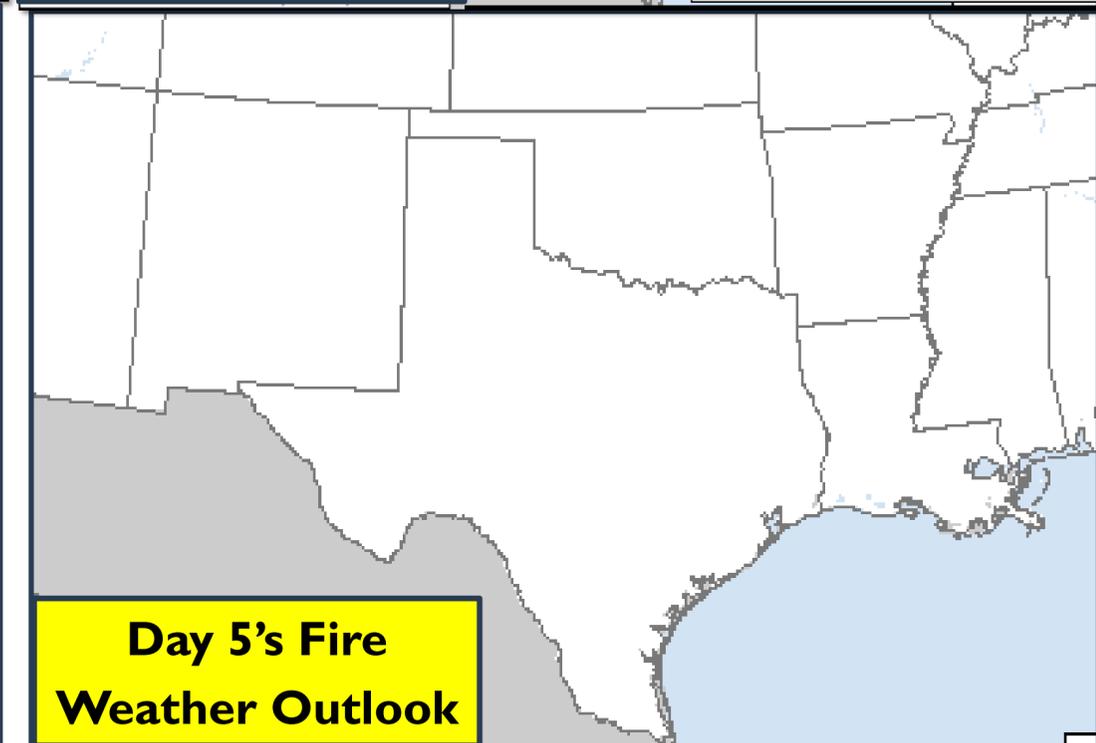
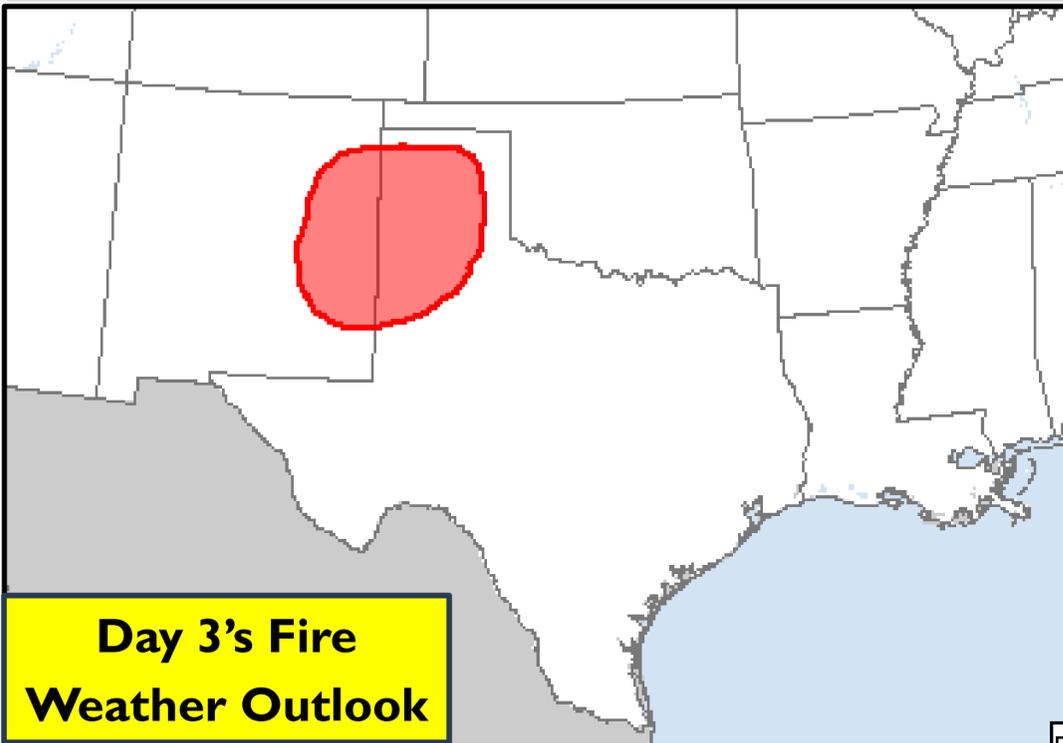
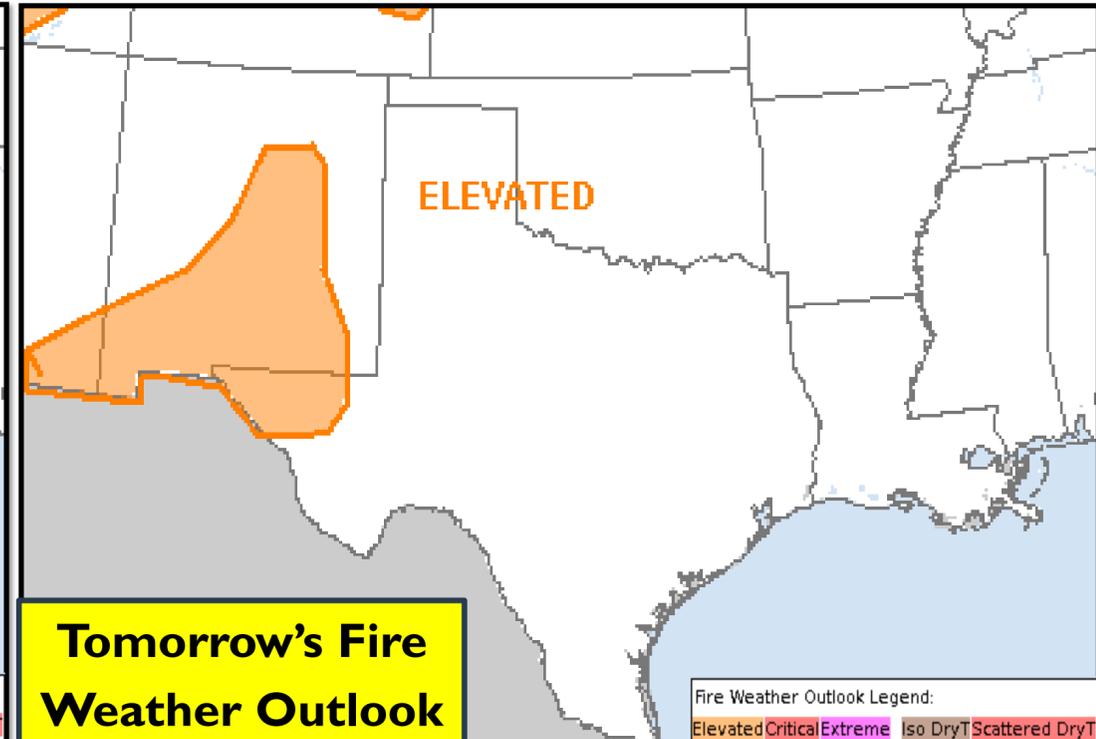
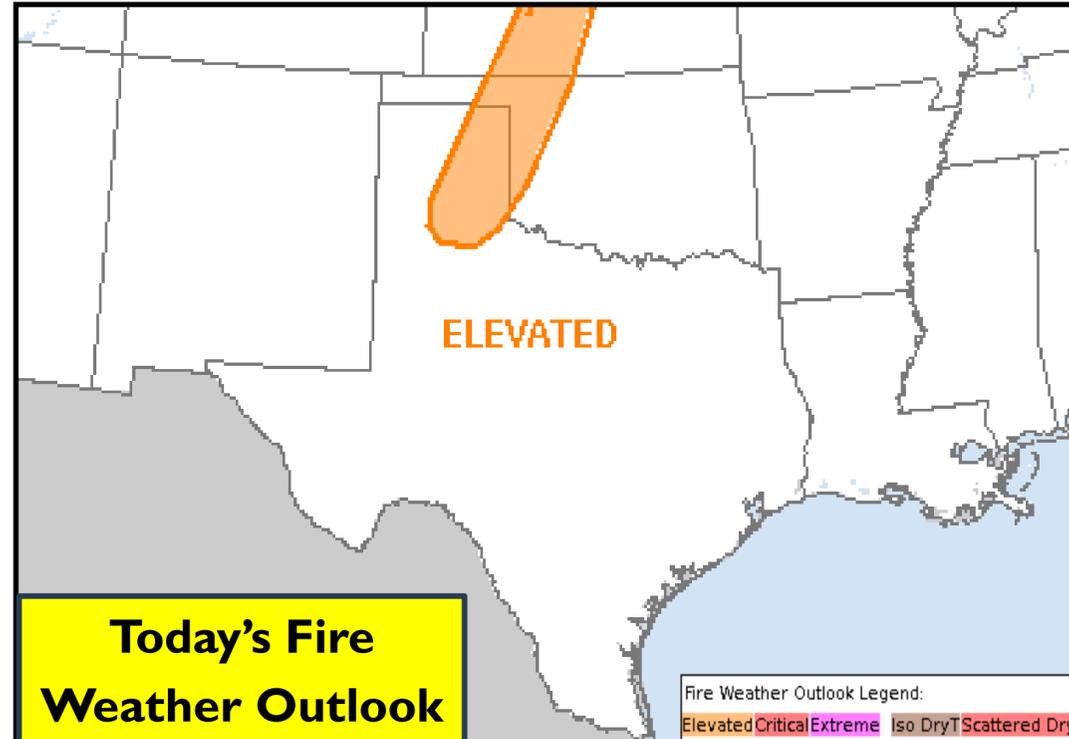
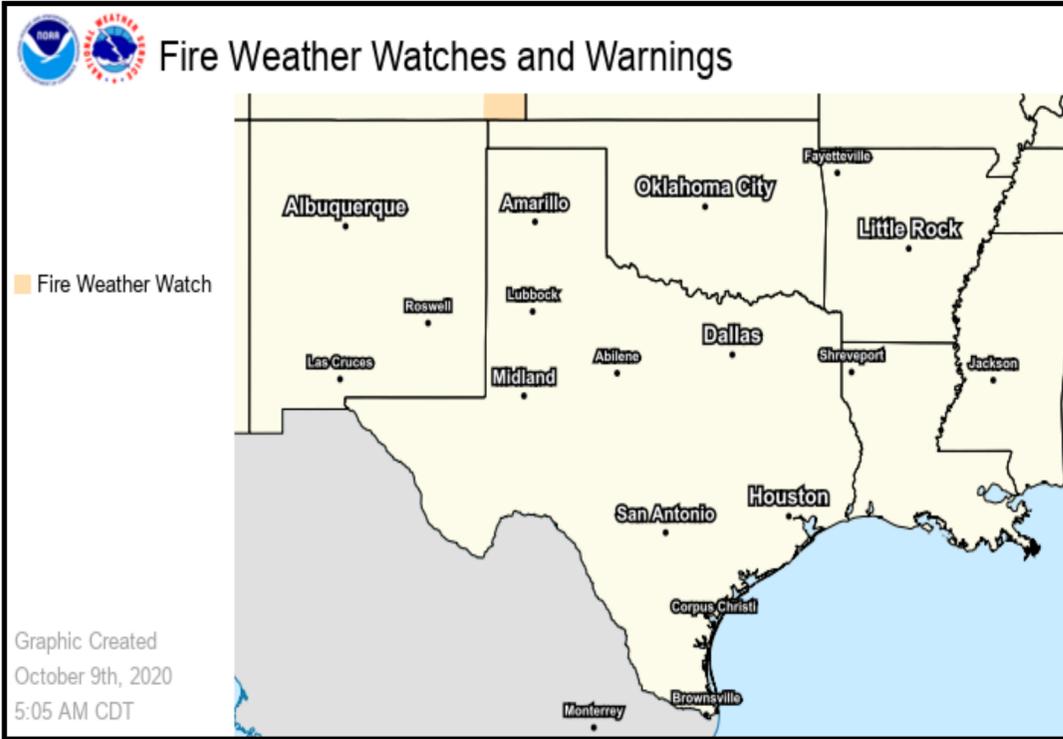
**Day 1 Excessive Rainfall Outlook**  
Valid 12Z Fri Oct 09 2020  
Thru 12Z Sat Oct 10 2020  
Issued: 0833Z Fri Oct 09 2020  
Forecaster: CHENARD  
DOC/NOAA/NWS/NCEP/WPC

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

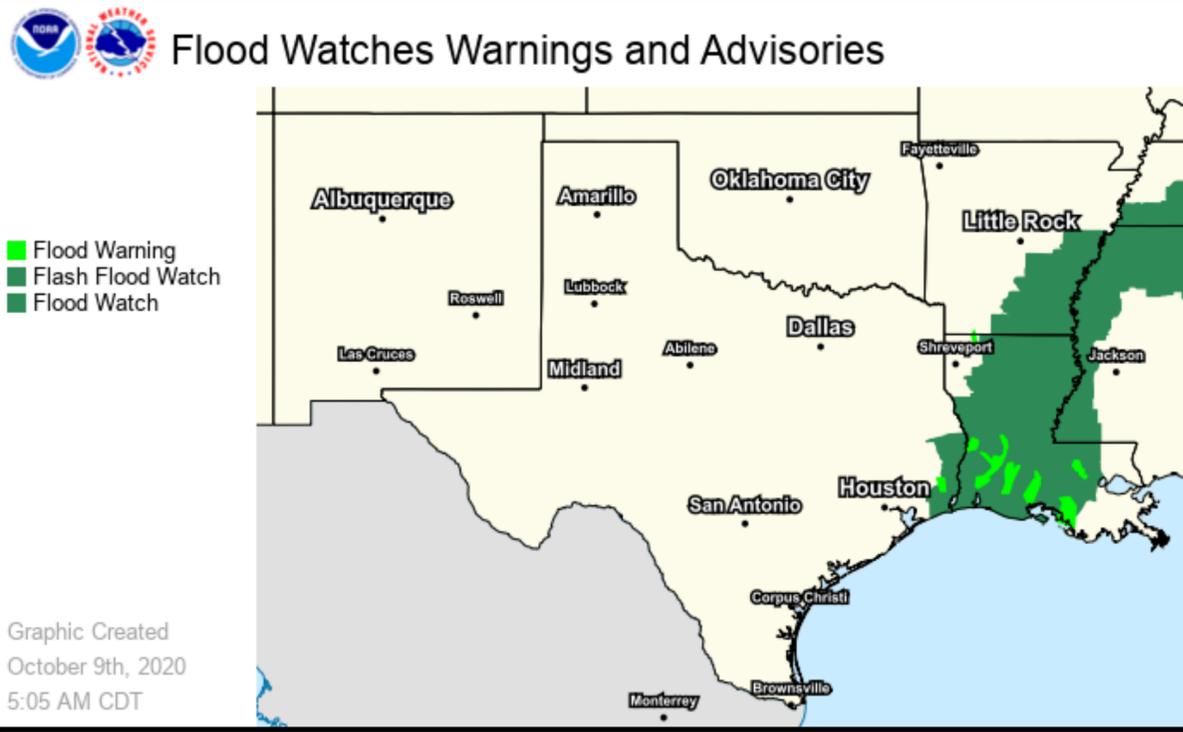


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Wind, Severe, Winter, and Flood Hazards



**Flash Flood Watches in effect through Saturday afternoon across much of LA, SE TX, and SE AR.**



# Tomorrow's Weather

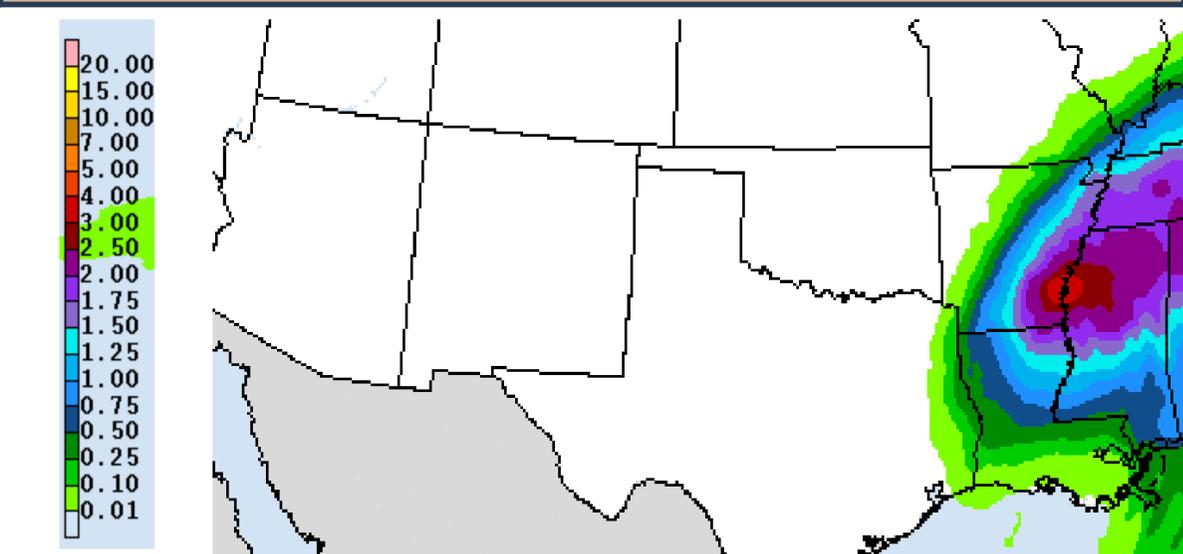
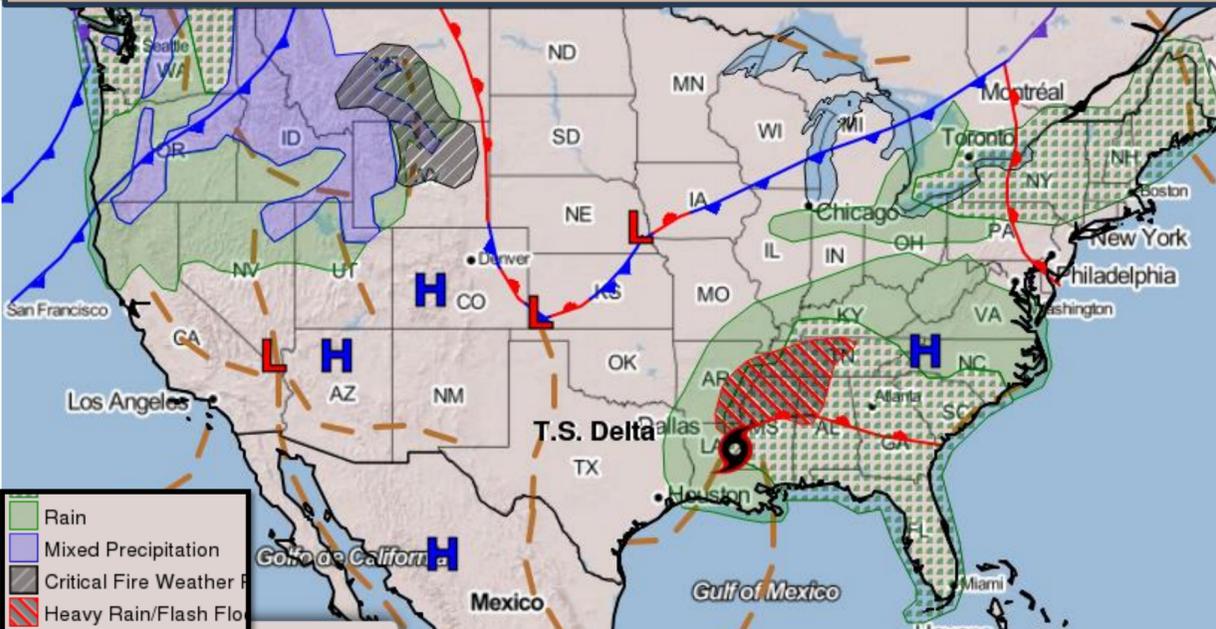


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## Forecast Chart

## Forecast Rainfall

**Heavy rainfall/flash flooding  
across NE LA and E AR.**

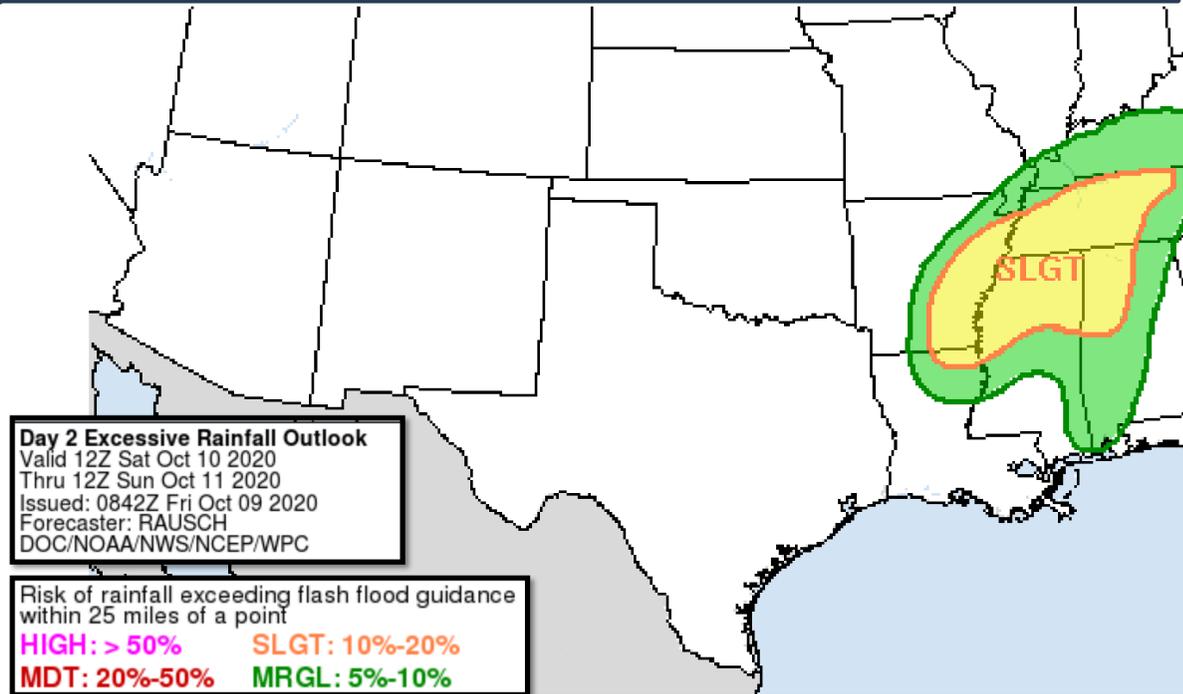


Weather Valid 8am EDT Sat Oct 10 2020 to 8am EDT Sun Oct 11 2020  
Fronts Valid 8am EDT Sat Oct 10 2020  
Issued 5:22 AM EDT Fri, Oct 09, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Putnam with WPC/SPC/NHC forecasts.

**24-Hour Day 2 QPF**  
Valid 12Z Sat Oct 10 2020  
Thru 12Z Sun Oct 11 2020  
Issued: 0803Z Fri Oct 09 2020

## Severe Weather Outlook

## Excessive Rainfall Outlook



# Sunday's Weather

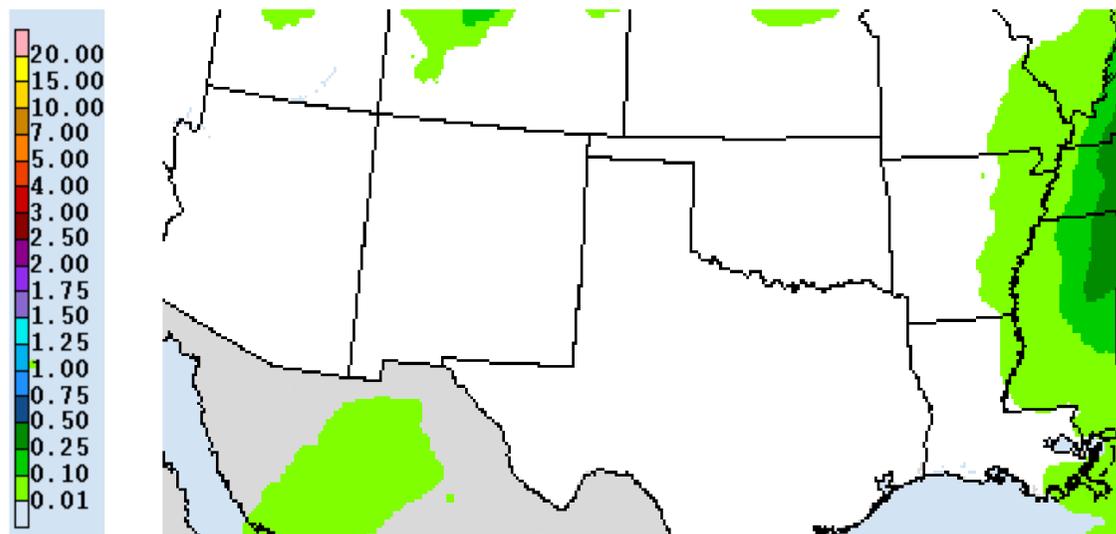
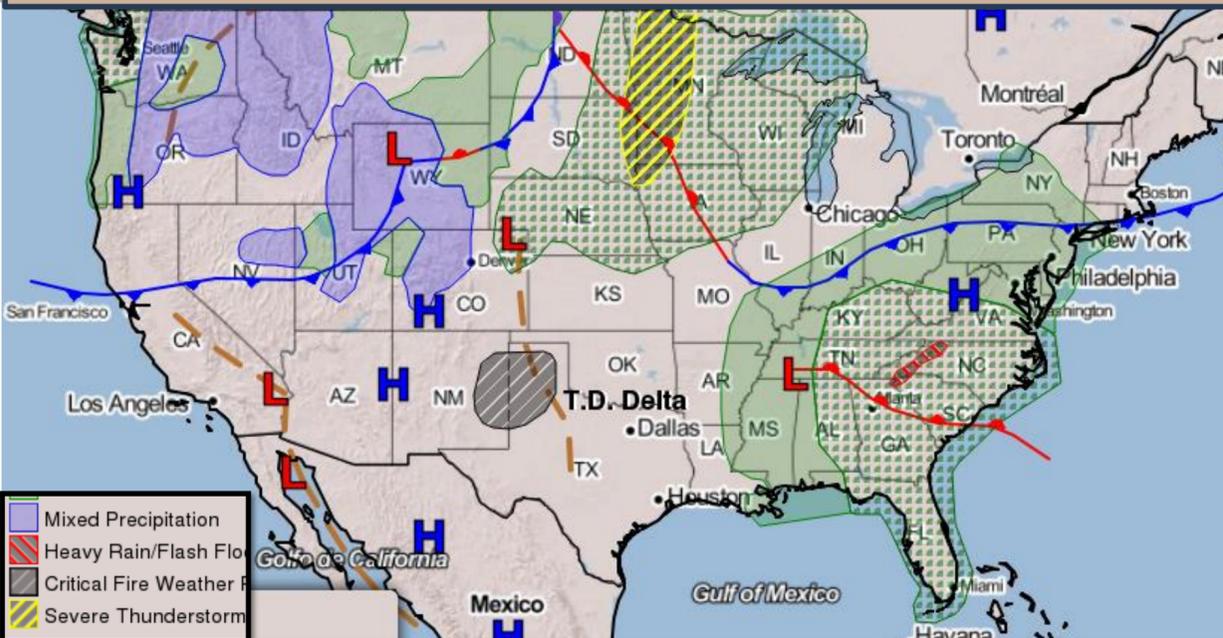


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## Forecast Chart

## Forecast Rainfall

**No significant weather expected.**

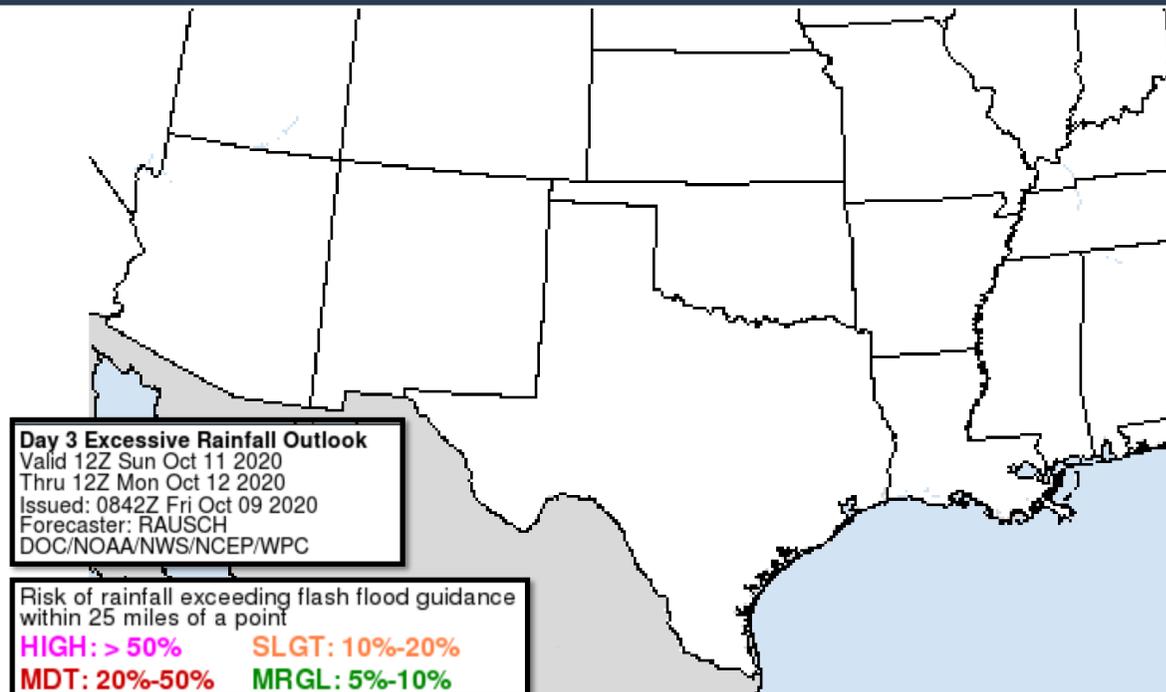


Weather Valid 8am EDT Sun Oct 11 2020 to 8am EDT Mon Oct 12 2020  
Fronts Valid 8am EDT Sun Oct 11 2020  
Issued 5:28 AM EDT Fri, Oct 09, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Putnam with WPC/SPC/NHC forecasts.

**24-Hour Day 3 QPF**  
Valid 12Z Sun Oct 11 2020  
Thru 12Z Mon Oct 12 2020  
Issued: 0803Z Fri Oct 09 2020

## Severe Weather Outlook

## Excessive Rainfall Outlook



**Day 3 Excessive Rainfall Outlook**  
Valid 12Z Sun Oct 11 2020  
Thru 12Z Mon Oct 12 2020  
Issued: 0842Z Fri Oct 09 2020  
Forecaster: RAUSCH  
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%**

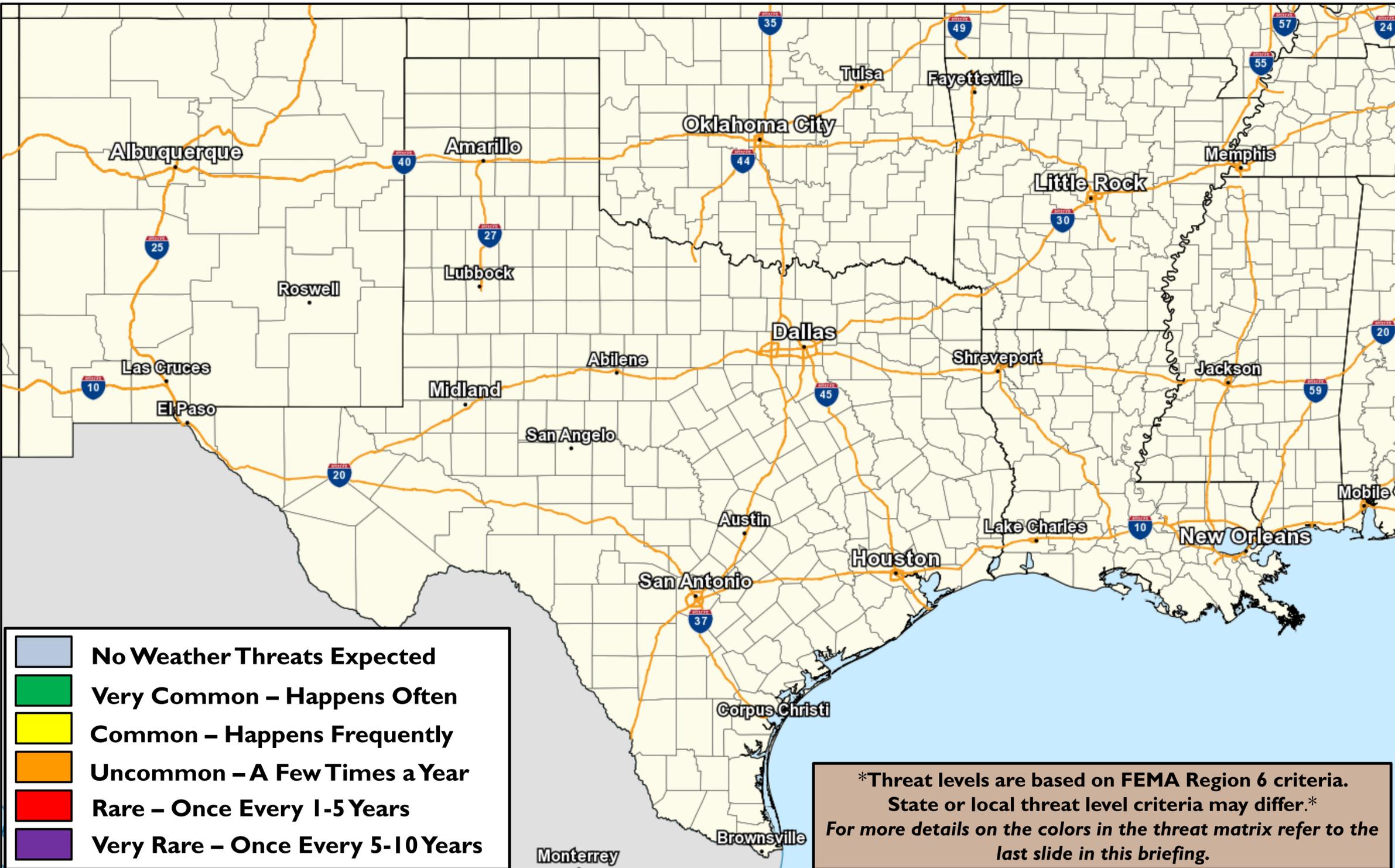
# Days 4-5 Weather Hazards

## Monday - Tuesday



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No significant weather impacts expected.

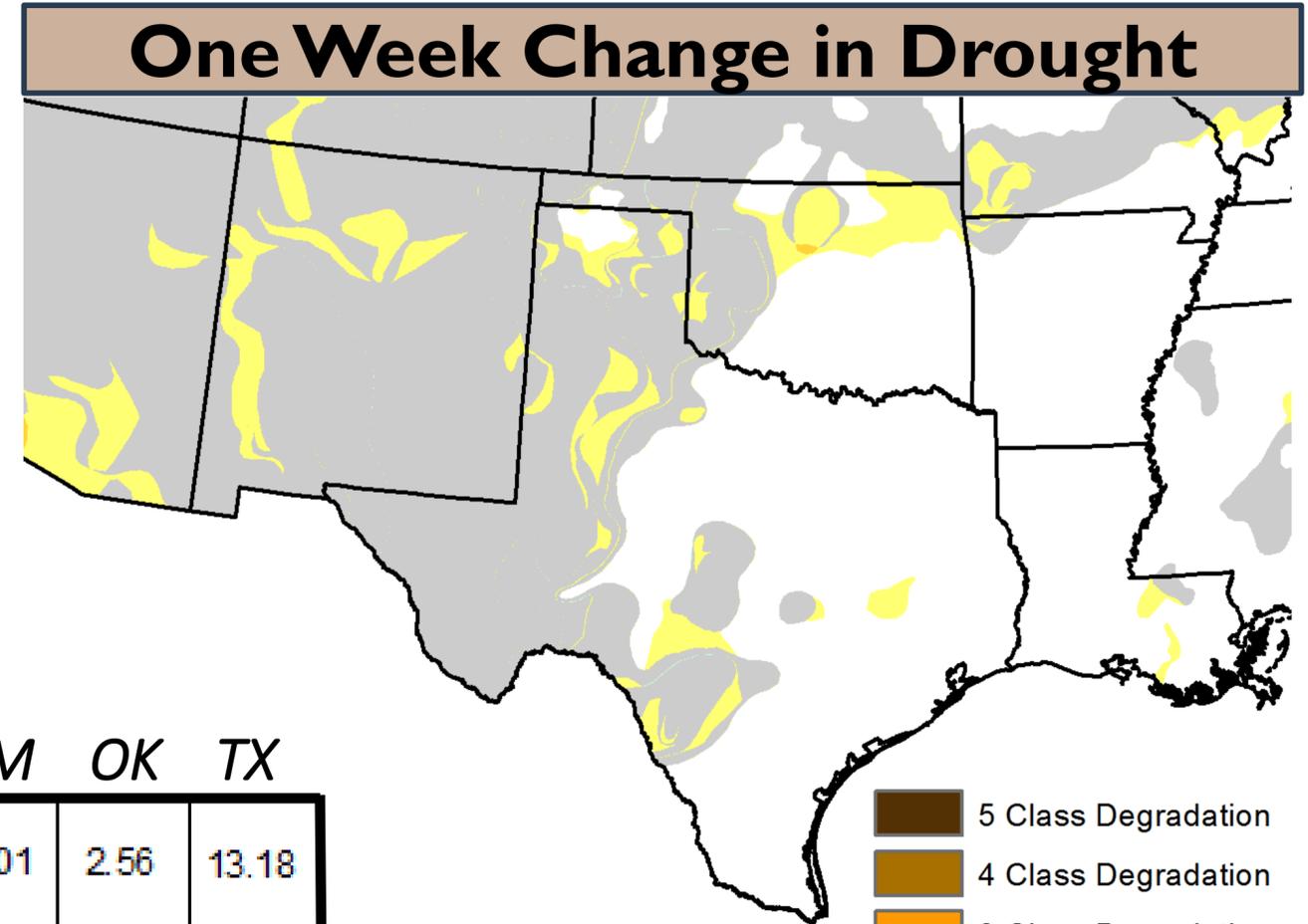
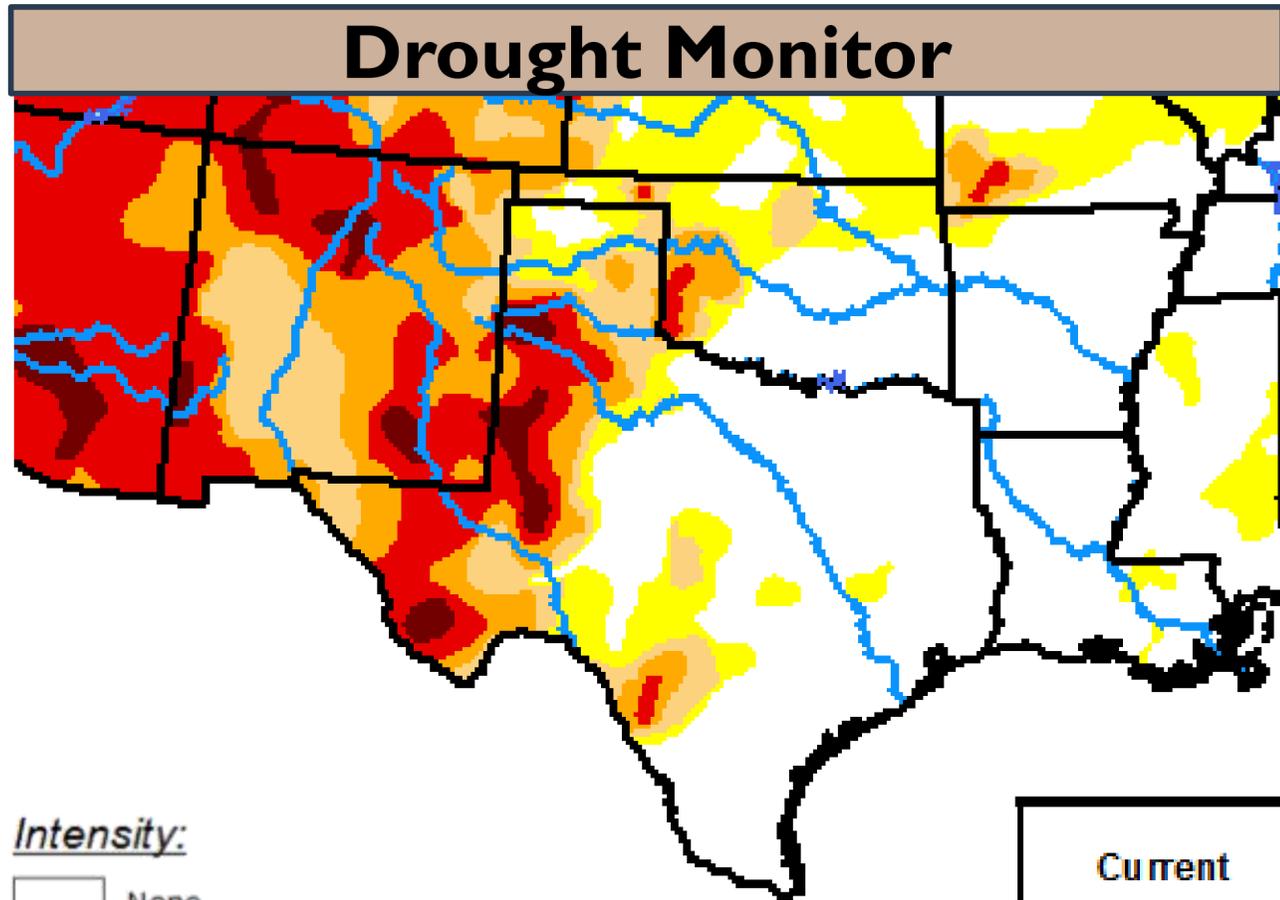


# Drought Monitor (Released Oct 8, 2020)



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Data valid as of 8 am ET on Tuesday, October 6, 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	45.01	2.56	13.18
<b>Last Week</b> <i>09-29-2020</i>	0.00	0.00	39.88	1.55	12.02
<b>3 Months Ago</b> <i>07-07-2020</i>	0.00	0.00	11.17	3.74	2.23
<b>One Year Ago</b> <i>10-08-2019</i>	0.00	0.00	0.00	0.00	8.60

**Drought Conditions (Percent Area)**

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

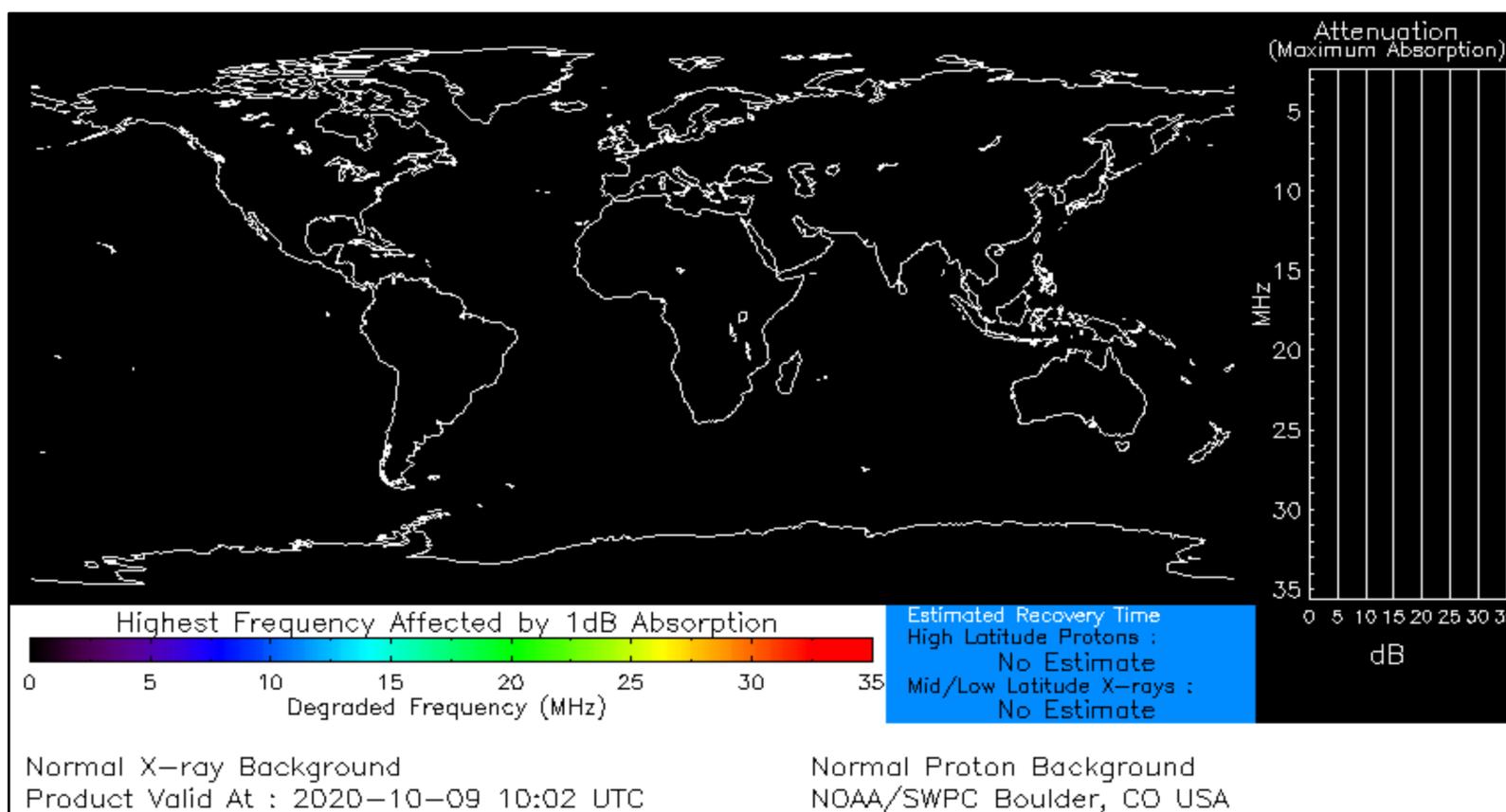
- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

# Space Weather 3-Day Forecast



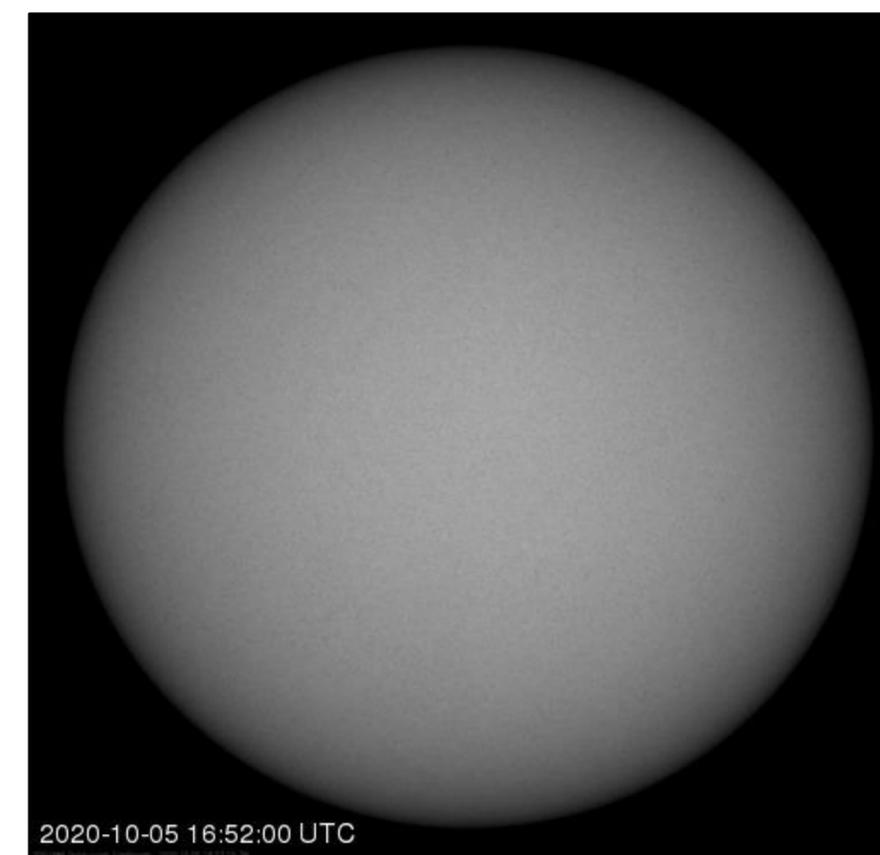
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	Friday	Saturday	Sunday
<b>Geomagnetic Storms</b>	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[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).**