



# FEMA



Prepared by  
*Cindy Elsenheimer*

# FEMA Region 6 Weather Threat Briefing

Wednesday September 23, 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).



- **Heavy rainfall/flash flooding and isolated severe storms across LA today. Isolated flash flooding across SE AR and SE TX.**
- **Minor to isolated moderate river flooding across SE TX into SW LA.**

# FEMA Region 6 Threat Matrix

Sep 23, 2020 - Sep 27, 2020



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DAY / THREAT	Wed	Thu	Fri	Sat	Sun
Severe Storms	LA				
Heavy Rain / Flash Flooding	LA				
	SE AR/SETX				
Fire Weather					
Tropical Winds / Surge					
Winter Weather					
River Flooding	SETX/SW 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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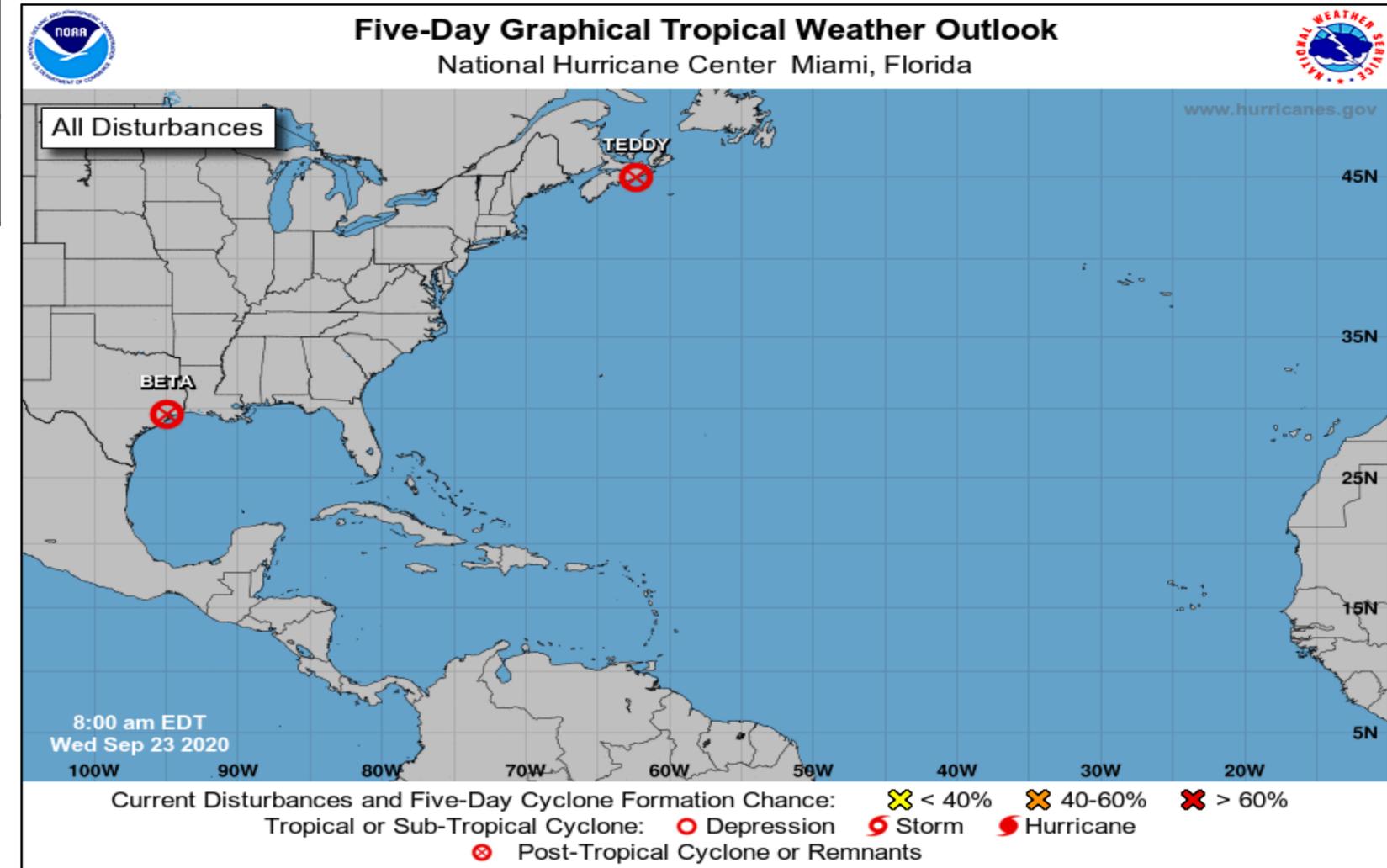
See next slides for more information

## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
-		

## Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
Teddy	None
Beta	Heavy rain/flash flooding and coastal flooding along the LA coast.



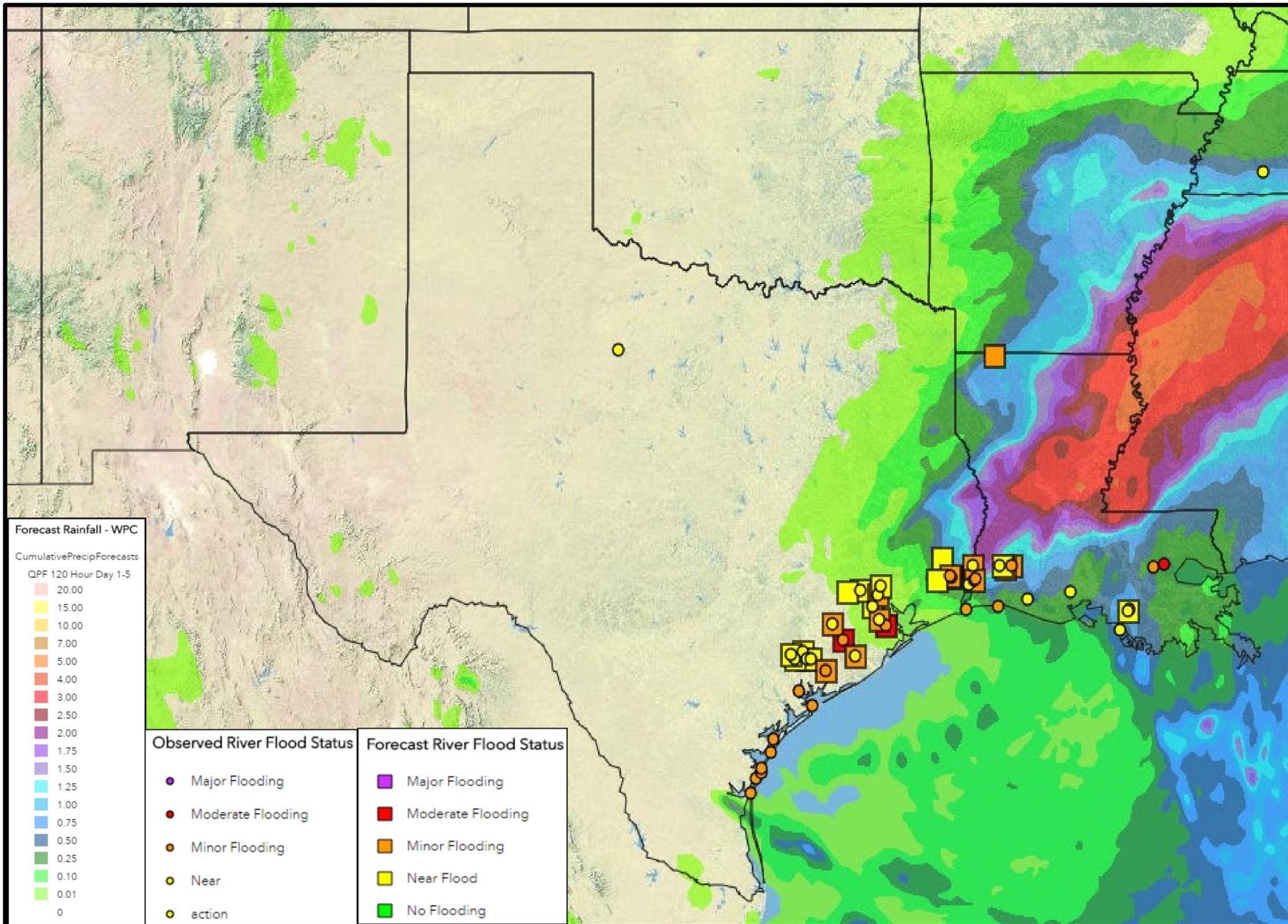
# 5-Day Precipitation Forecast & River Flood Status



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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 to isolated moderate river flooding expected in SETX and SW LA due to the rainfall associated with Beta. Impacts primarily to secondary roads and low lying areas.**





### Flood Hazard Outlook (Prototype)

Includes General Flash and River Flood Hazards

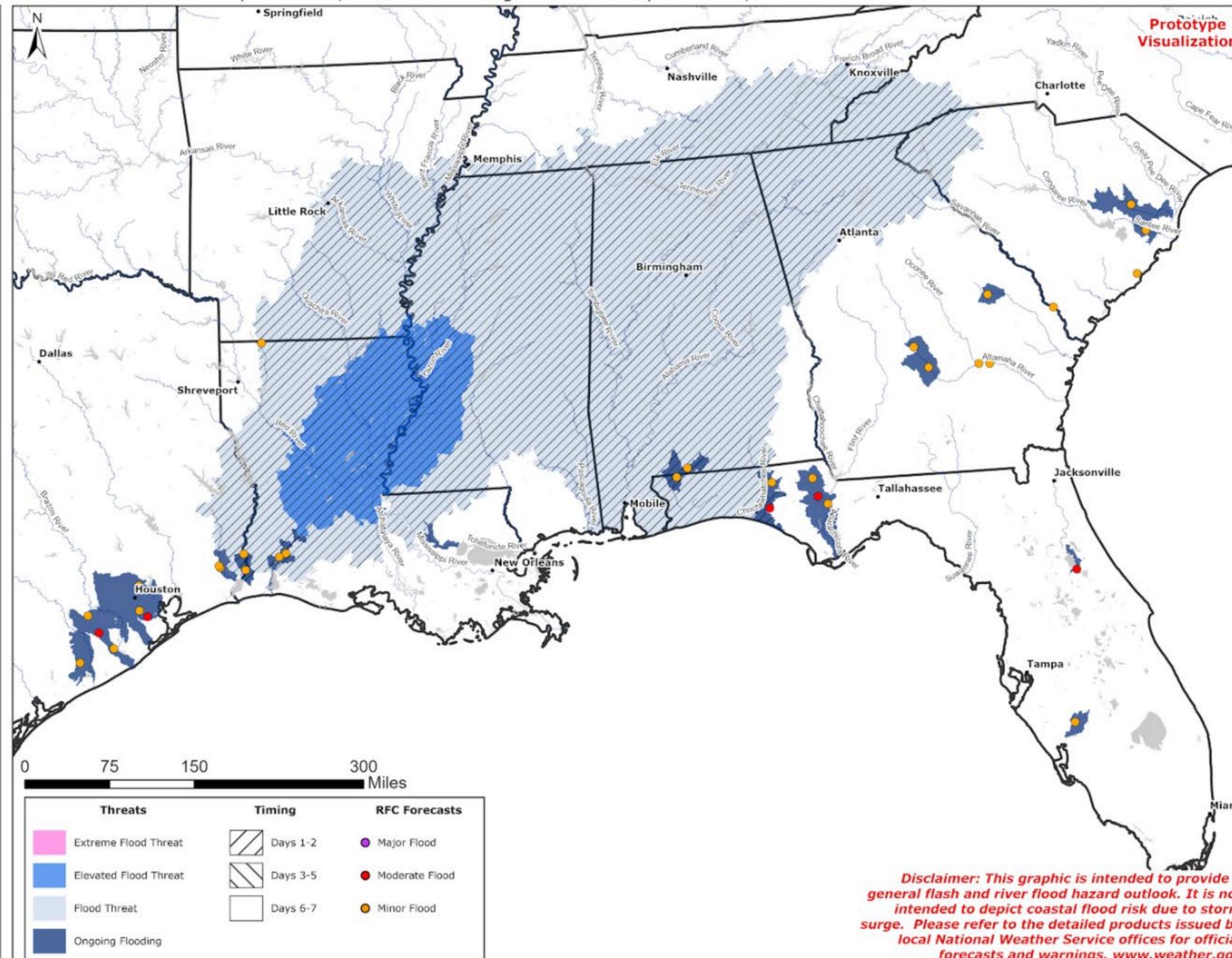


Issued: 11:30 UTC September 23, 2020 - Valid through 11:30 UTC September 30, 2020

#### Flood Hazard Messages

associated with Post Tropical Cyclone Beta and ongoing flooding from Sally

- For the upper Texas coast, additional rainfall of 3 to 5 inches with isolated storm totals up to 15 inches is expected through Wednesday afternoon. Significant urban flooding will continue as well as minor to isolated moderate river flooding. Flash flooding will remain possible through Wednesday afternoon.
- Rainfall totals of 2 to 5 inches are expected east into the Lower Mississippi Valley, portions of the Tennessee Valley, and the southern Appalachians through the end of the week. Flash, urban, and small stream flooding is possible, as well as isolated minor river flooding on smaller rivers.
- Ongoing flooding from Hurricane Sally continues across the Southeast. Barring any significant rainfall from Beta remnants, most rivers across southern Alabama and the Florida Panhandle will fall below flood stage by this weekend. Generally, the crests along the larger Georgia, South Carolina, and southeastern Virginia rivers have reached the middle portions of the basins where minor flooding is occurring. The most downstream locations of rivers in the Coastal Plains are forecast to reach flood stage late this week.



NOAA, NOAA/NWS/National Water Center, NOAA/NWS/WPC

# Today's Weather



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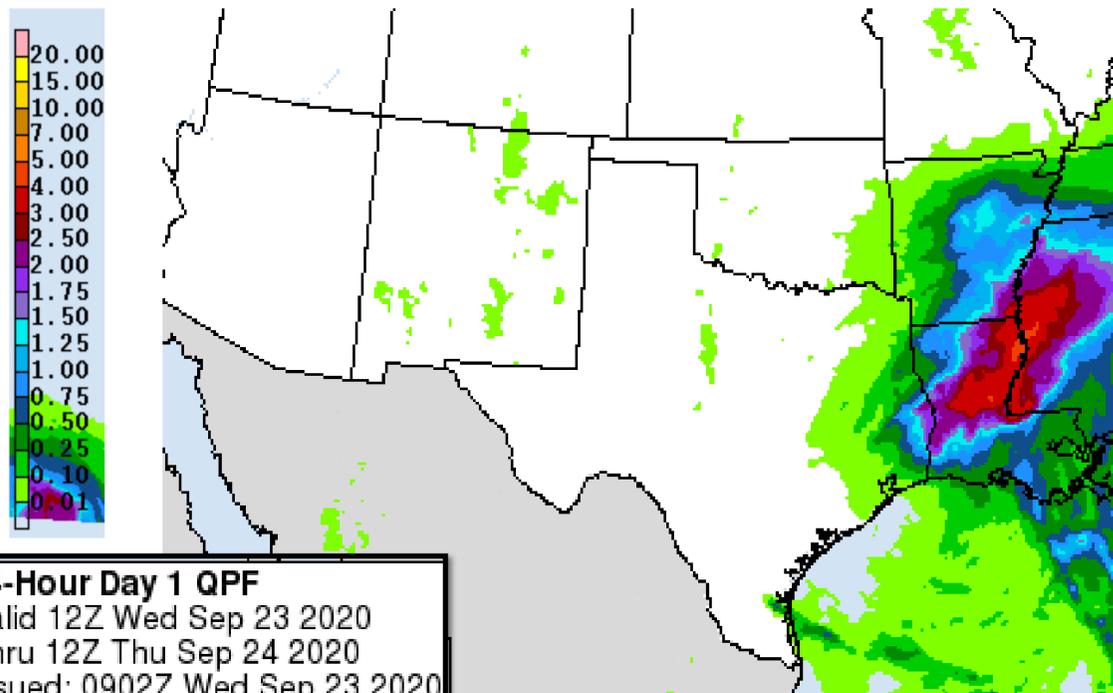
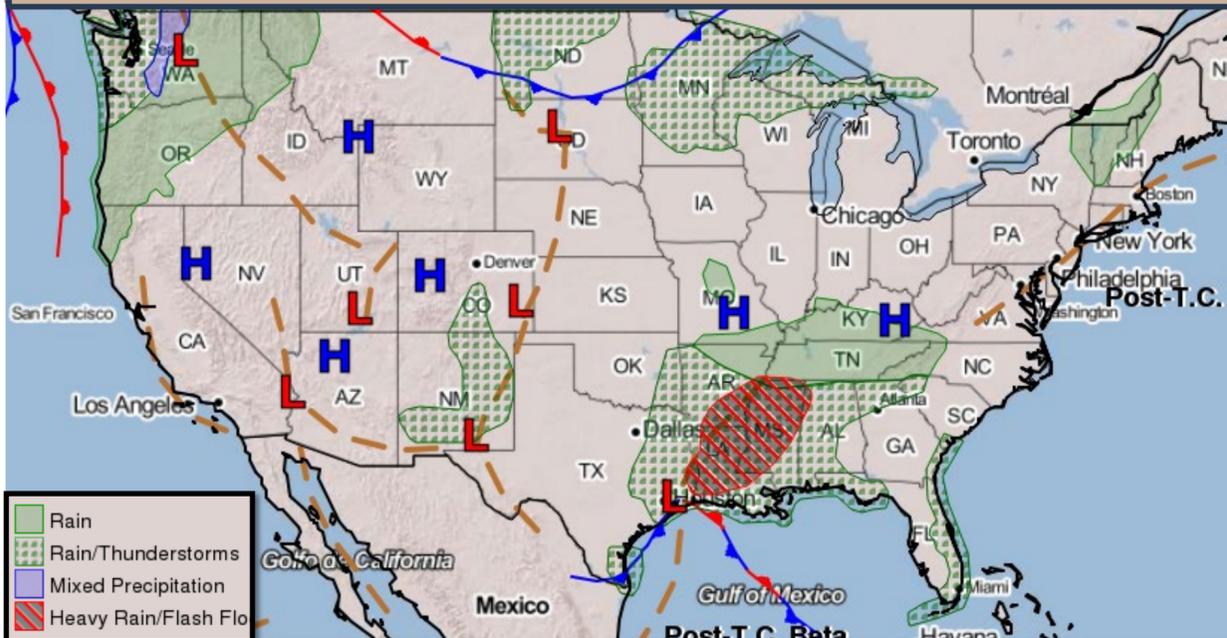
## Forecast Chart

## Forecast Rainfall

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

**Isolated flash flooding across  
SE AR and SETX**

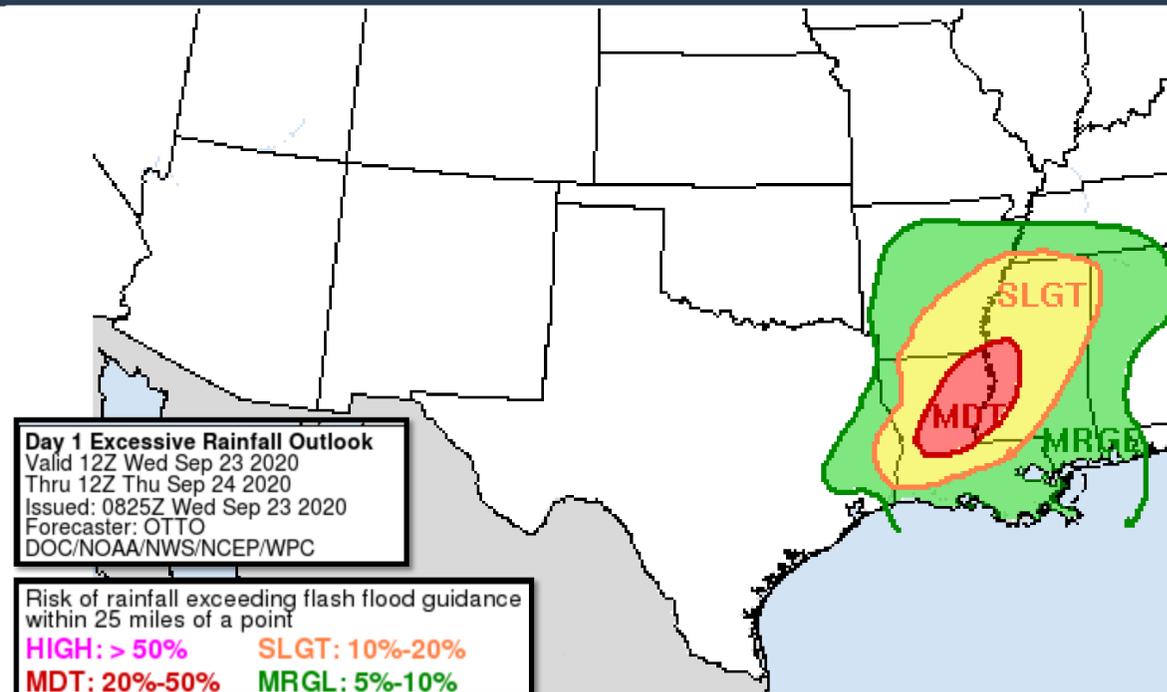
**Isolated severe storms with a  
few tornadoes across S LA.**



Weather Valid 8am EDT Wed Sep 23 2020 to 8am EDT Thu Sep 24 2020  
Fronts Valid 8am EDT Wed Sep 23 2020  
Issued 4:52 AM EDT Wed, Sep 23, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Putnam with WPC/SPC/NHC forecasts.

## Severe Weather Outlook

## Excessive Rainfall Outlook

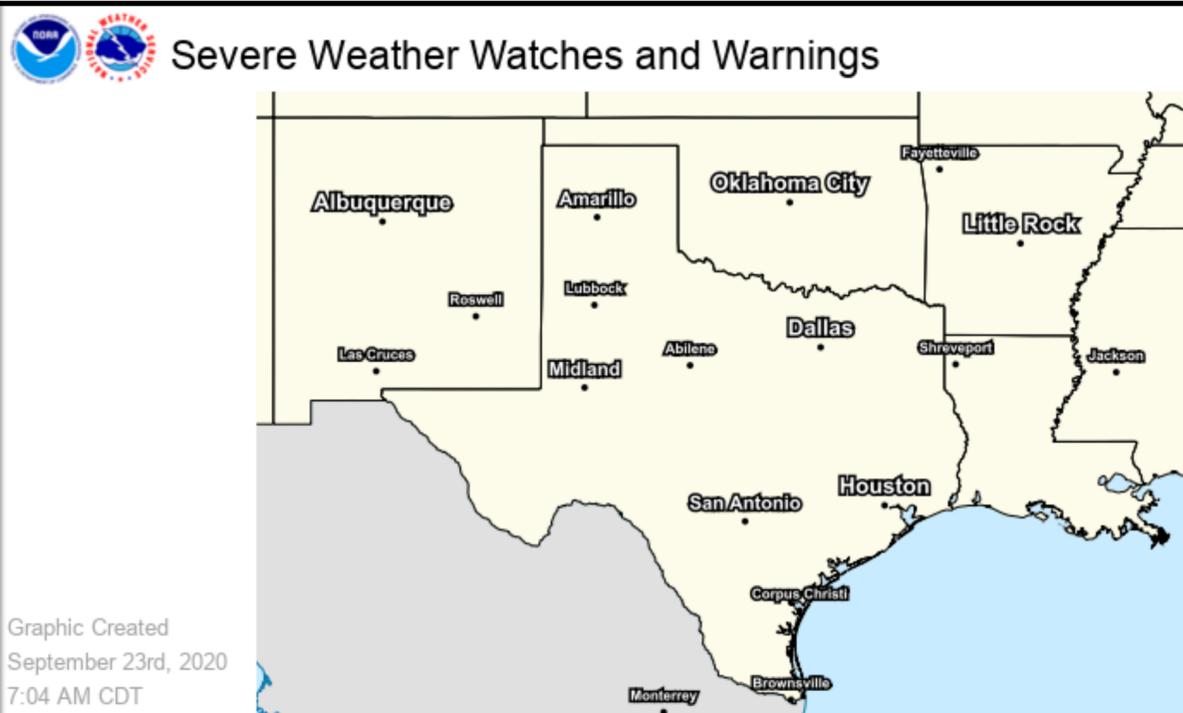


# Watches, Warnings, and Advisories

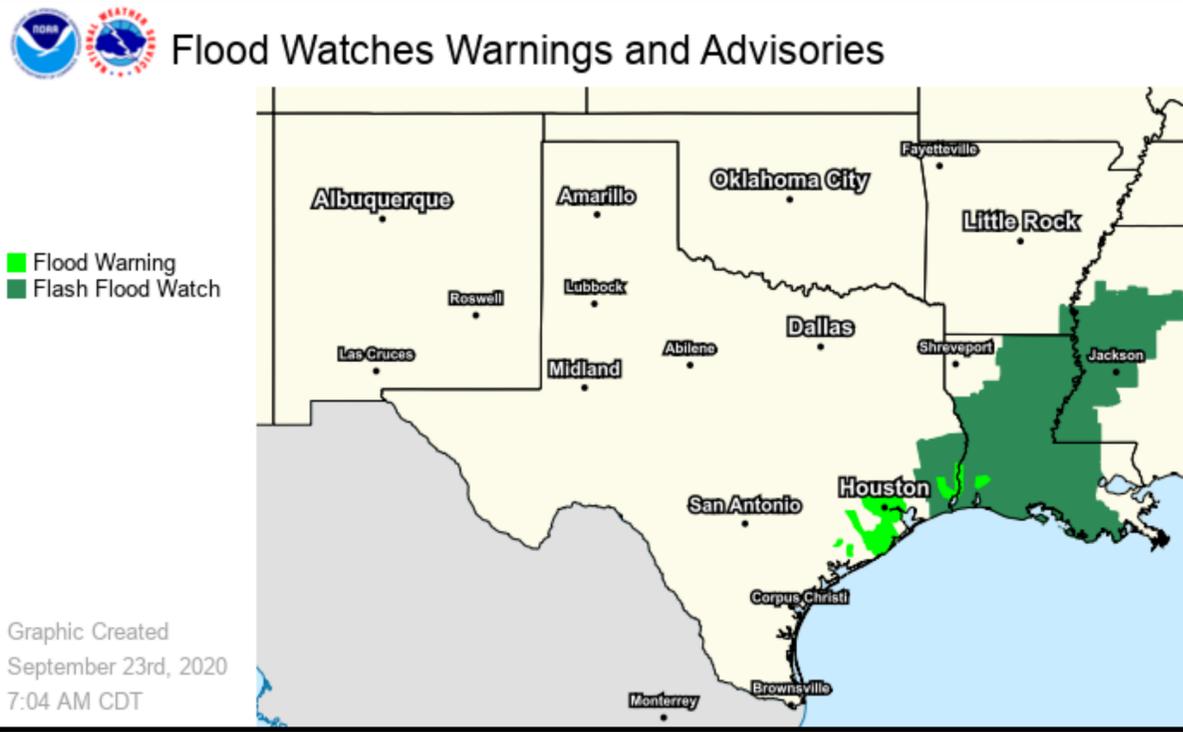


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Wind, Severe, Winter, and Flood Hazards



**Flash Flood Watches in effect for SE TX and LA.**



# Tomorrow's Weather

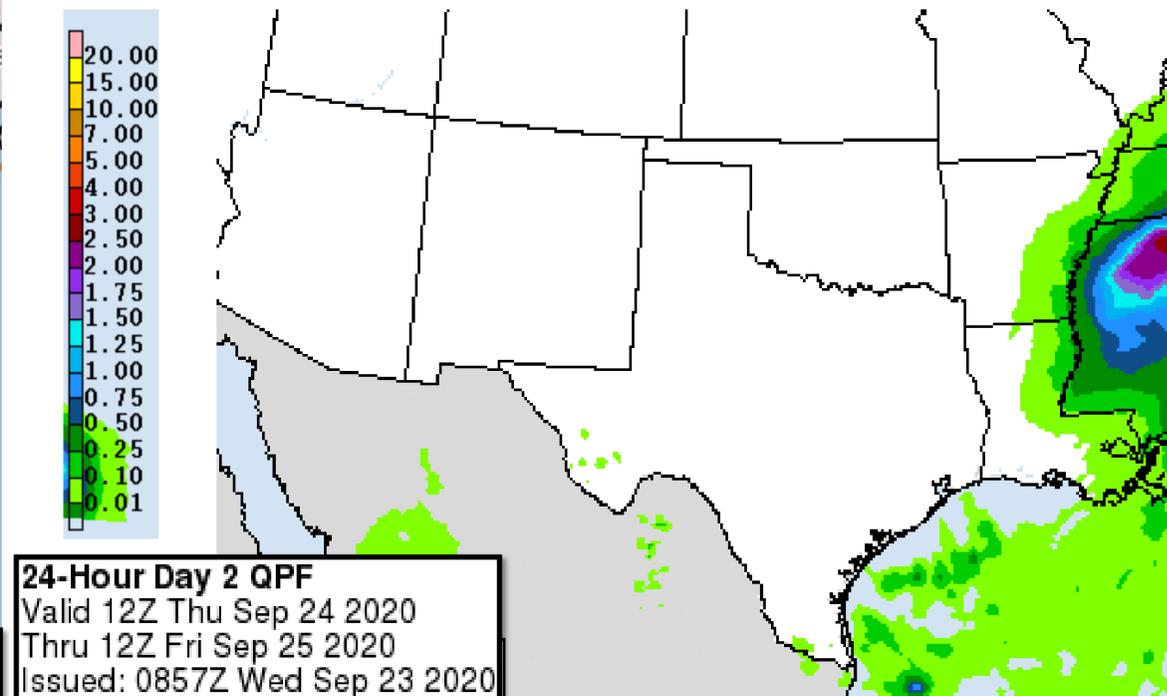
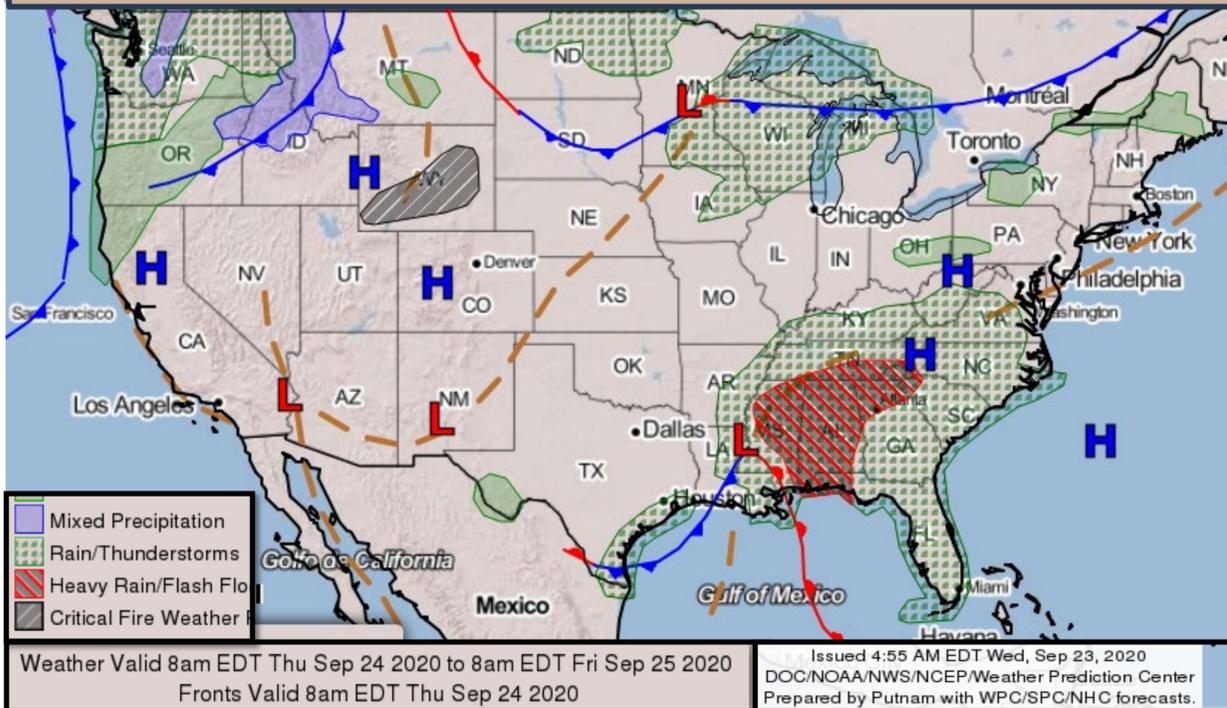


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## Forecast Chart

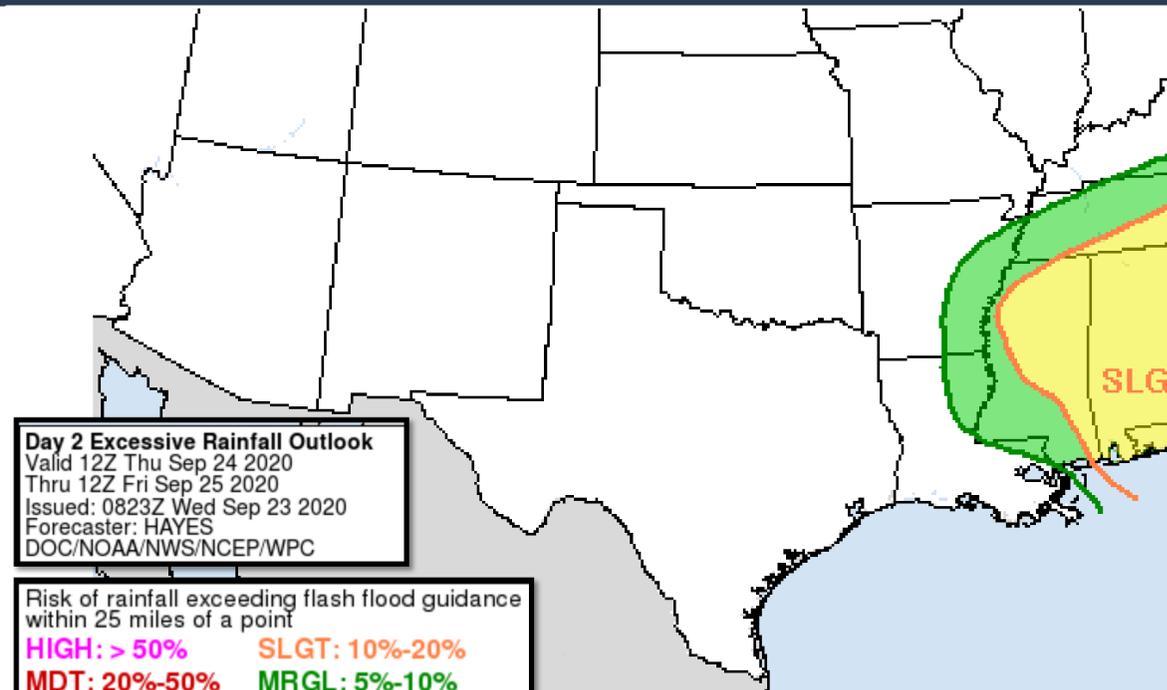
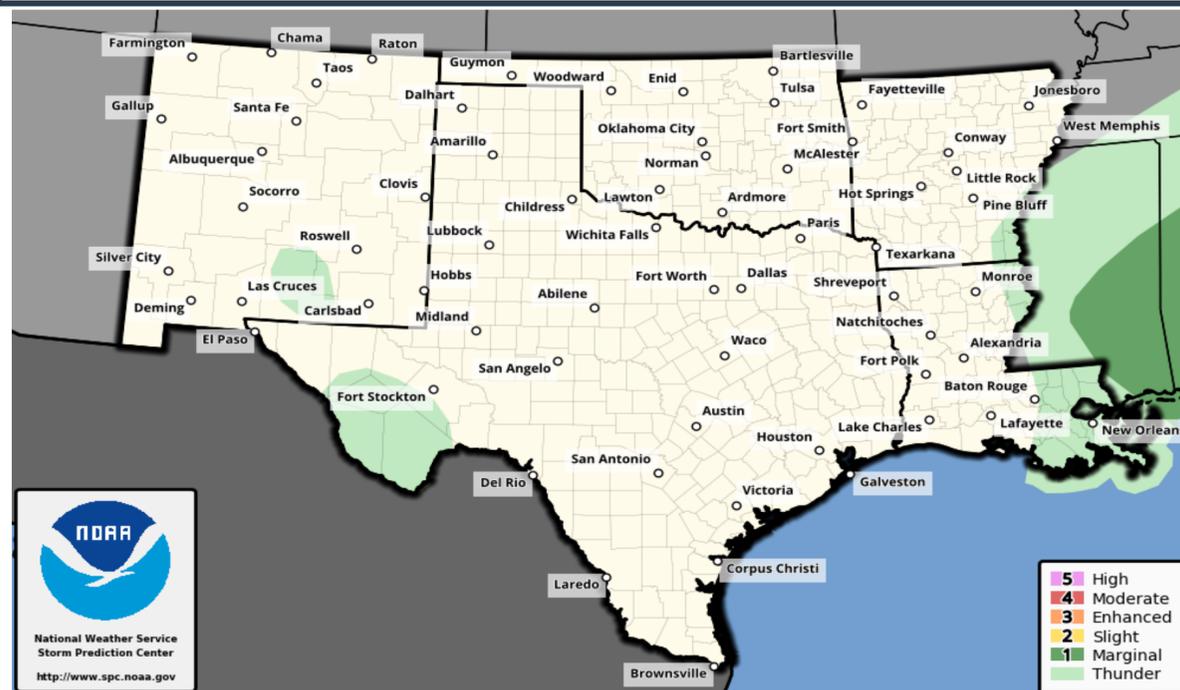
## Forecast Rainfall

**No significant weather expected.**



## Severe Weather Outlook

## Excessive Rainfall Outlook



# Friday's Weather

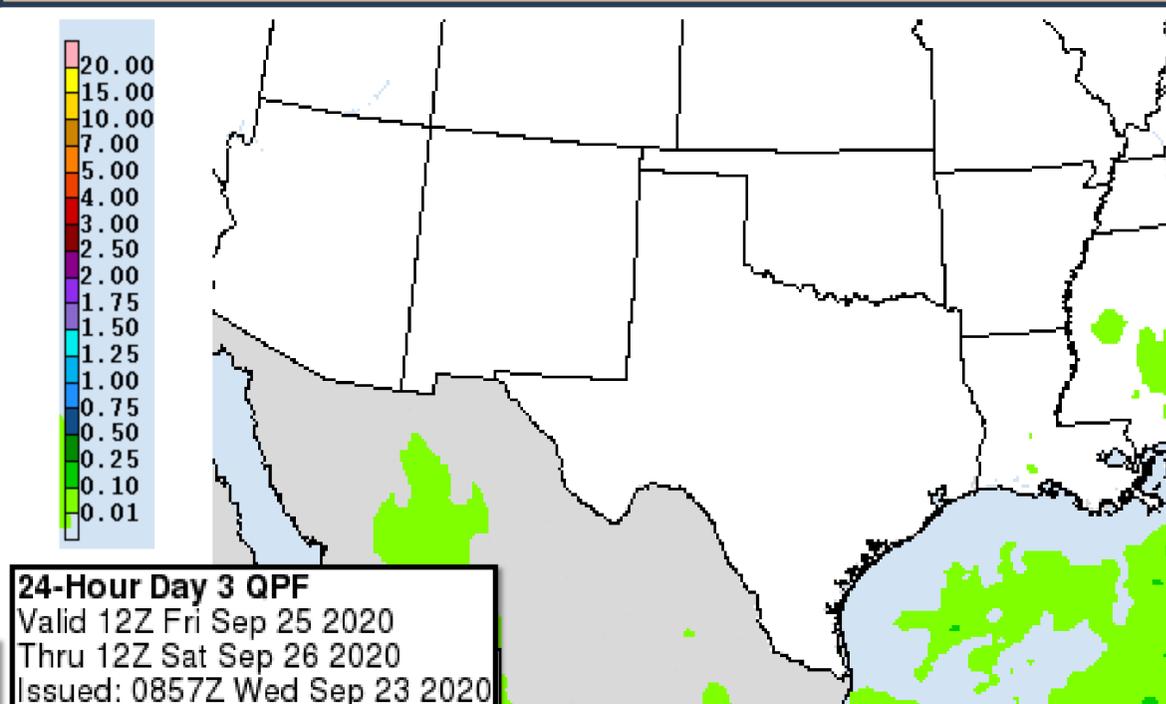
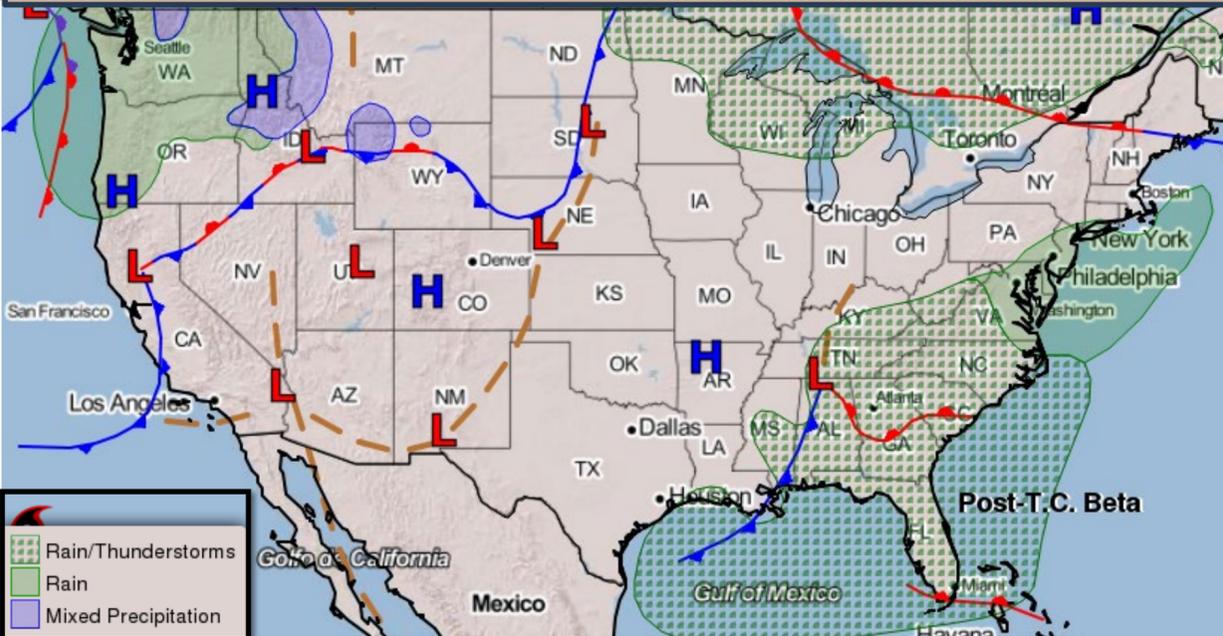


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## Forecast Chart

## Forecast Rainfall

No significant weather expected.

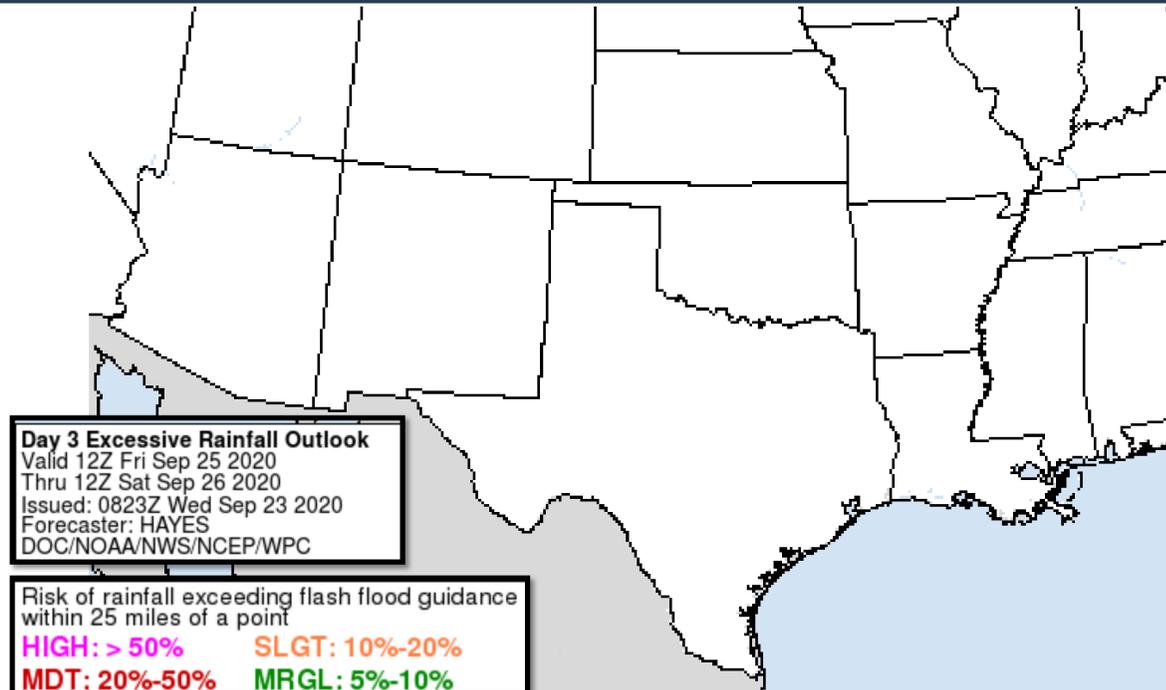


Weather Valid 8am EDT Fri Sep 25 2020 to 8am EDT Sat Sep 26 2020  
Fronts Valid 8am EDT Fri Sep 25 2020  
Issued 4:57 AM EDT Wed, Sep 23, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Snell with WPC/SPC/NHC forecasts.

24-Hour Day 3 QPF  
Valid 12Z Fri Sep 25 2020  
Thru 12Z Sat Sep 26 2020  
Issued: 0857Z Wed Sep 23 2020

## Severe Weather Outlook

## Excessive Rainfall Outlook



Day 3 Excessive Rainfall Outlook  
Valid 12Z Fri Sep 25 2020  
Thru 12Z Sat Sep 26 2020  
Issued: 0823Z Wed Sep 23 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%

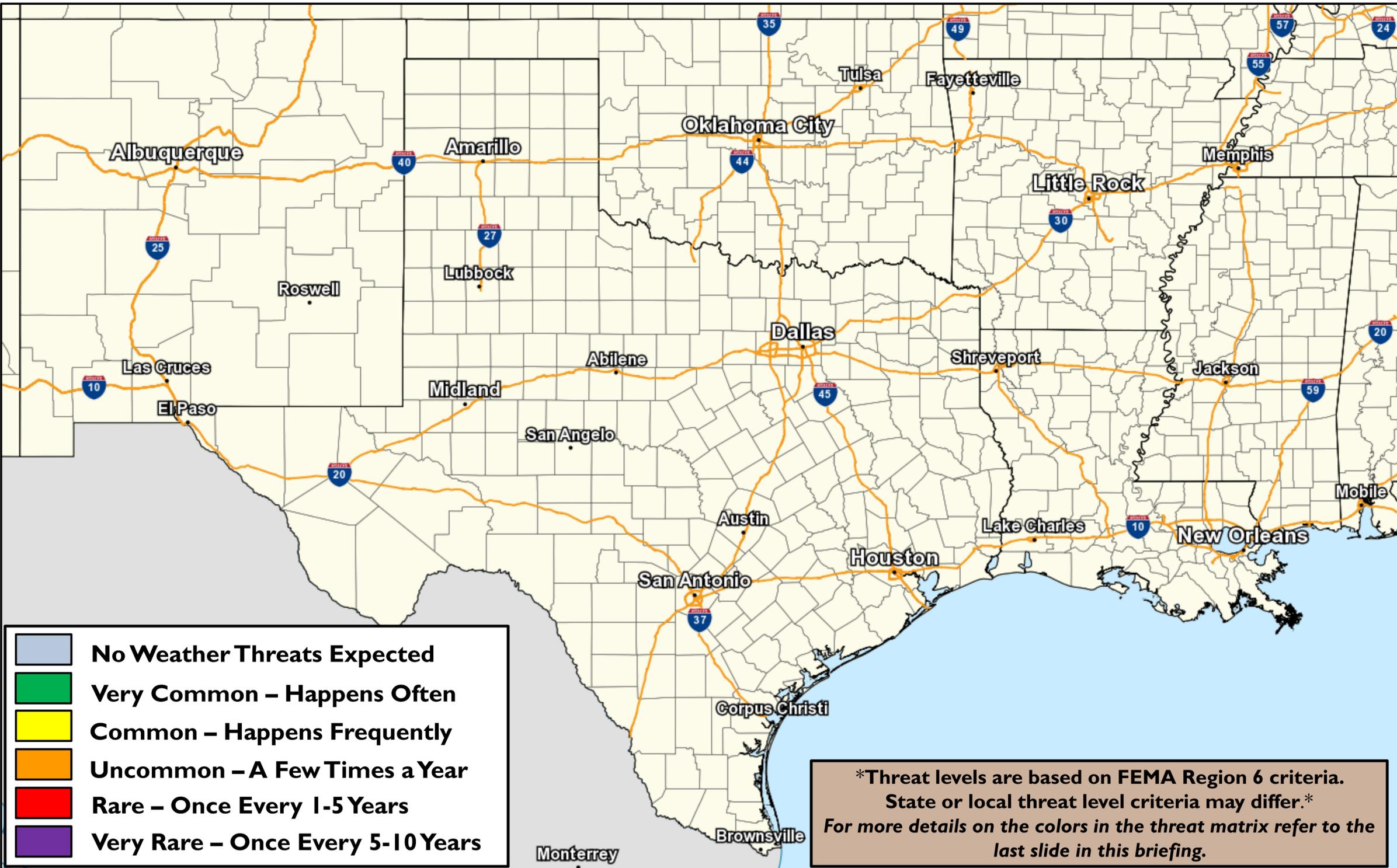
# Days 4-5 Weather Hazards

Saturday - Sunday



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No significant weather impacts expected.



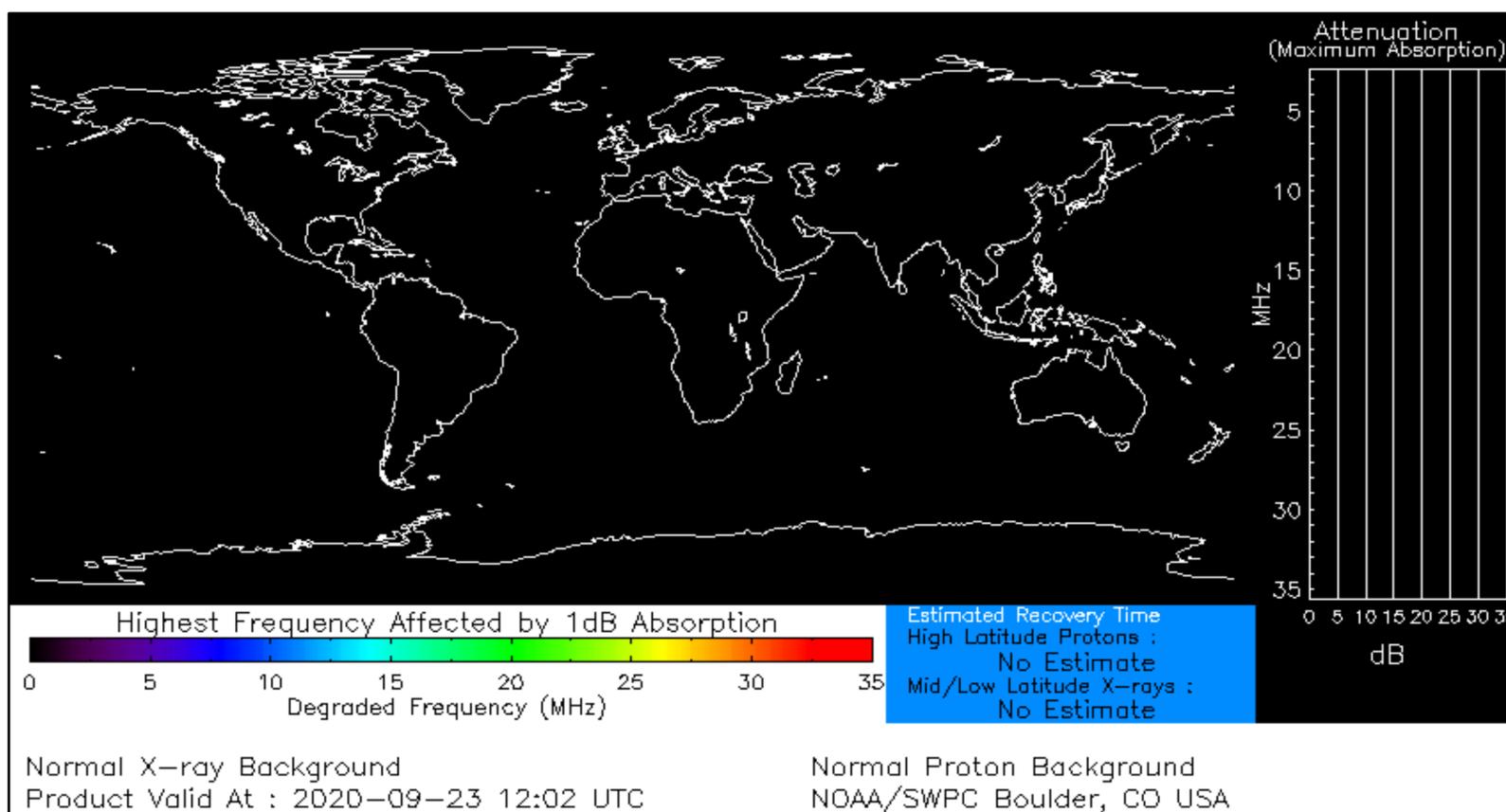
\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.

# Space Weather 3-Day Forecast



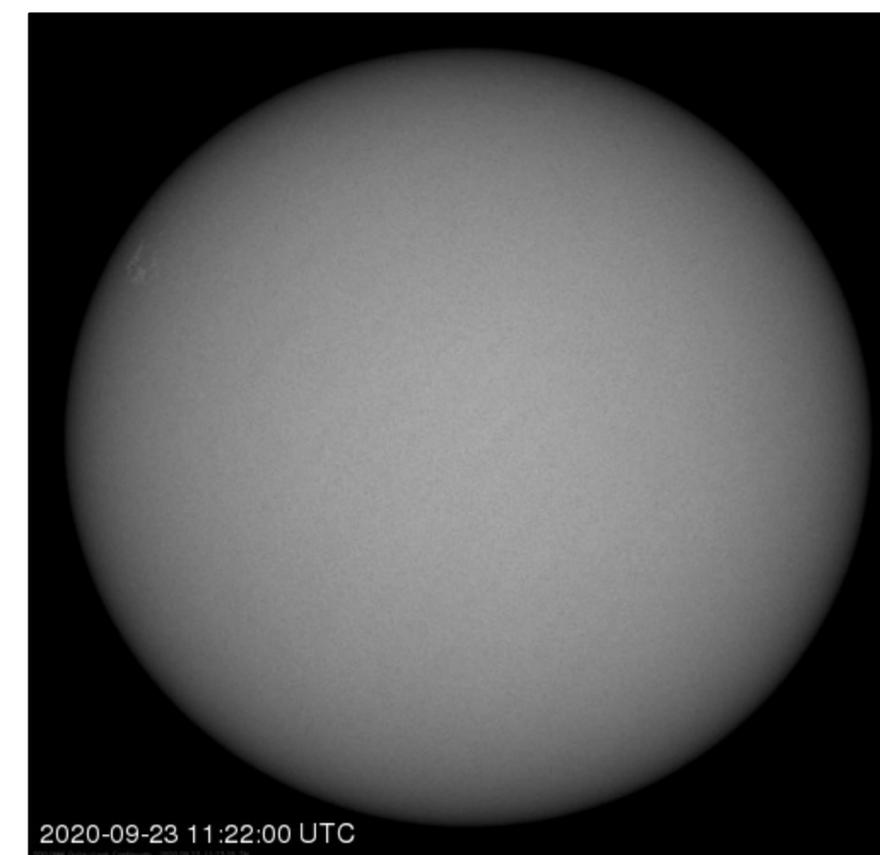
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	Wednesday	Thursday	Friday
<b>Geomagnetic Storms</b>	<b>Unsettled (Max Kp = 3)</b>	<b>Active (Max Kp = 4)</b>	<b>Unsettled (Max Kp = 3)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</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).**