



FEMA



Prepared by
Melissa Huffman

FEMA Region 6 Weather Threat Briefing

Monday, September 09, 2024

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.





Summary of the Upcoming Week

- **PTC Six will gradually develop across the western Gulf of Mexico.**
 - **Heavy rainfall/flash flooding across deep S TX today**
 - **Tropical impacts including heavy rainfall along the TX coast into S LA on Tuesday and coastal flooding, damaging winds, heavy rainfall, isolated tornadoes into SE TX, LA on Wednesday**
- **Medium (60%) chance of tropical development in the central-tropical Atlantic over the next 7 days. No impacts to FEMA 6.**
- **Medium (60%) chance of tropical development in the east-tropical Atlantic over the next 7 days. No impacts to FEMA 6.**





FEMA Region 6 Threat Matrix

Next 5 Days

	Monday, Sep 9	Tuesday, Sep 10	Wednesday, Sep 11	Thursday, Sep 12	Friday, Sep 13
Severe Storms					
Heavy Rain / Flash Flooding	Deep STX	TX Coast, S LA	LA	E AR, NE LA	
Fire Weather					
Heat					
Tropical		TX Coast	Upper TX Coast, LA		
River Flooding			SETX, LA	SETX, LA	SETX, LA

**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.*

Risk Levels	Little to None	Minor	Moderate	Major	Extreme
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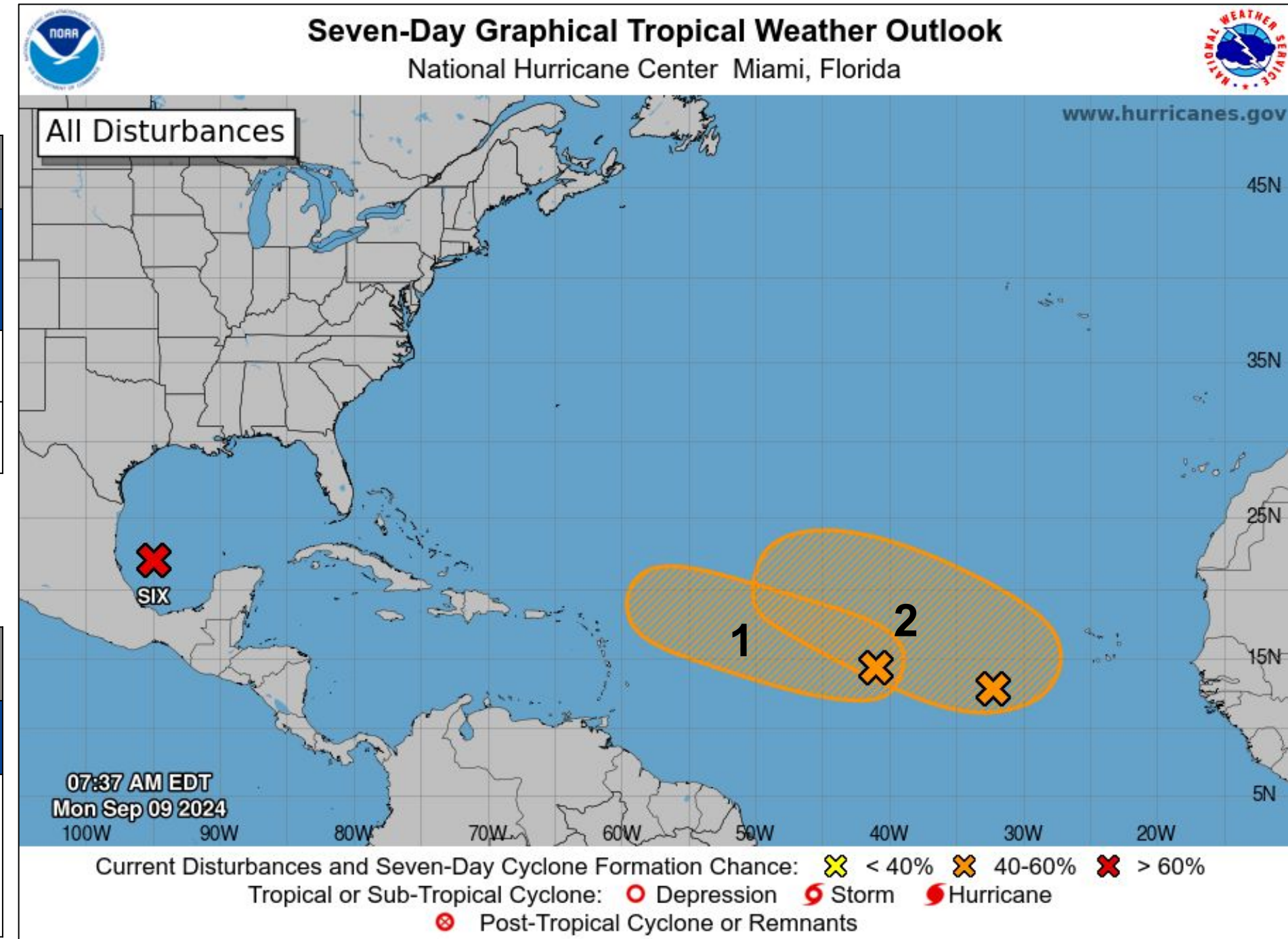
Tropical Weather Outlook – Atlantic/Gulf

Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Medium (60%)	None in the next 7 days.
2	Medium (60%)	None in the next 7 days.

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
PTC Six	Heavy rainfall, coastal flooding, damaging winds, isolated tornadoes along the TX Coast into LA Tue-Thu



See <http://www.hurricanes.gov> for the latest on the tropics or any active storms

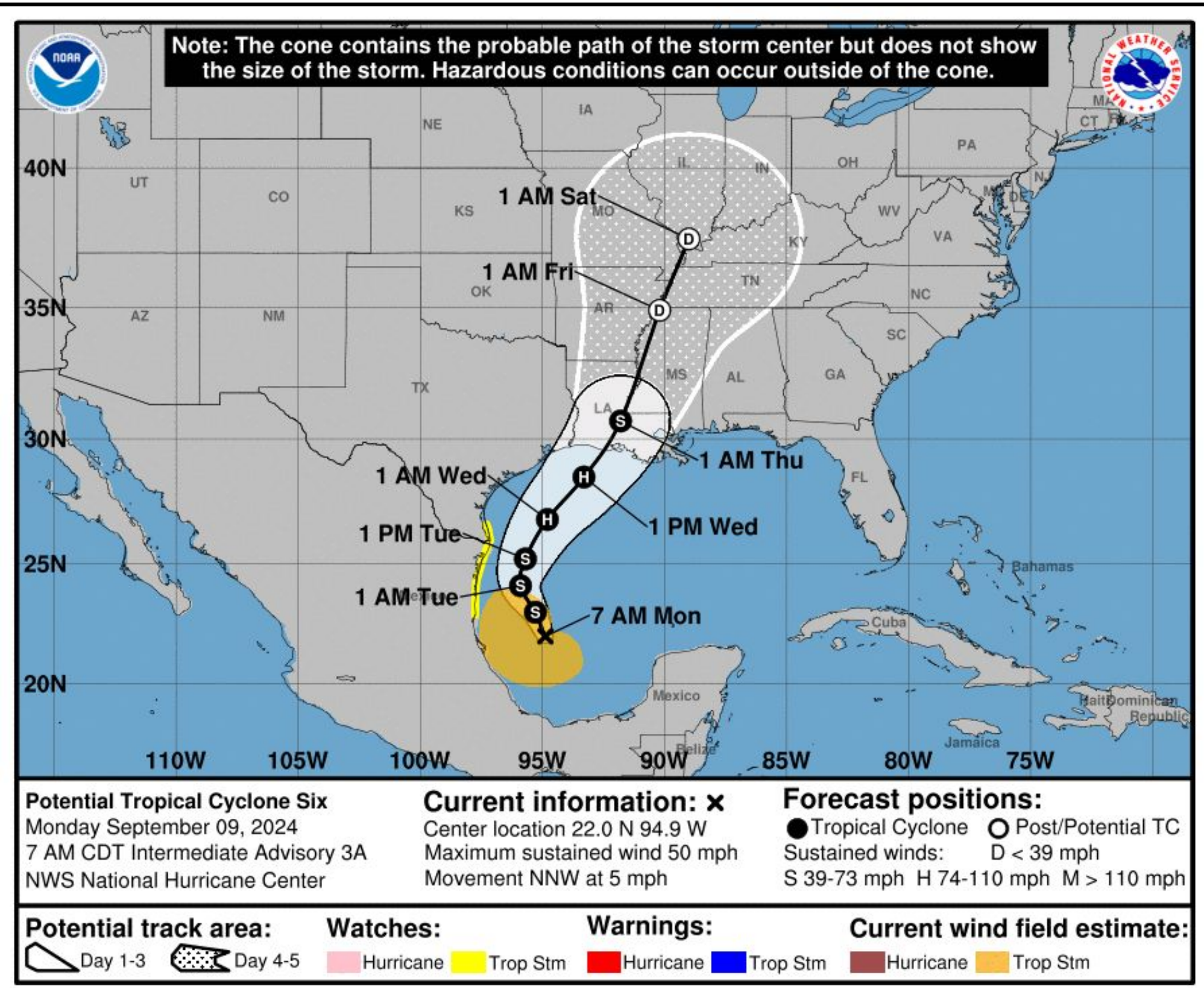


PTC Six

2:34 AM

See <http://www.hurricanes.gov> for the latest on the tropics or any active storms

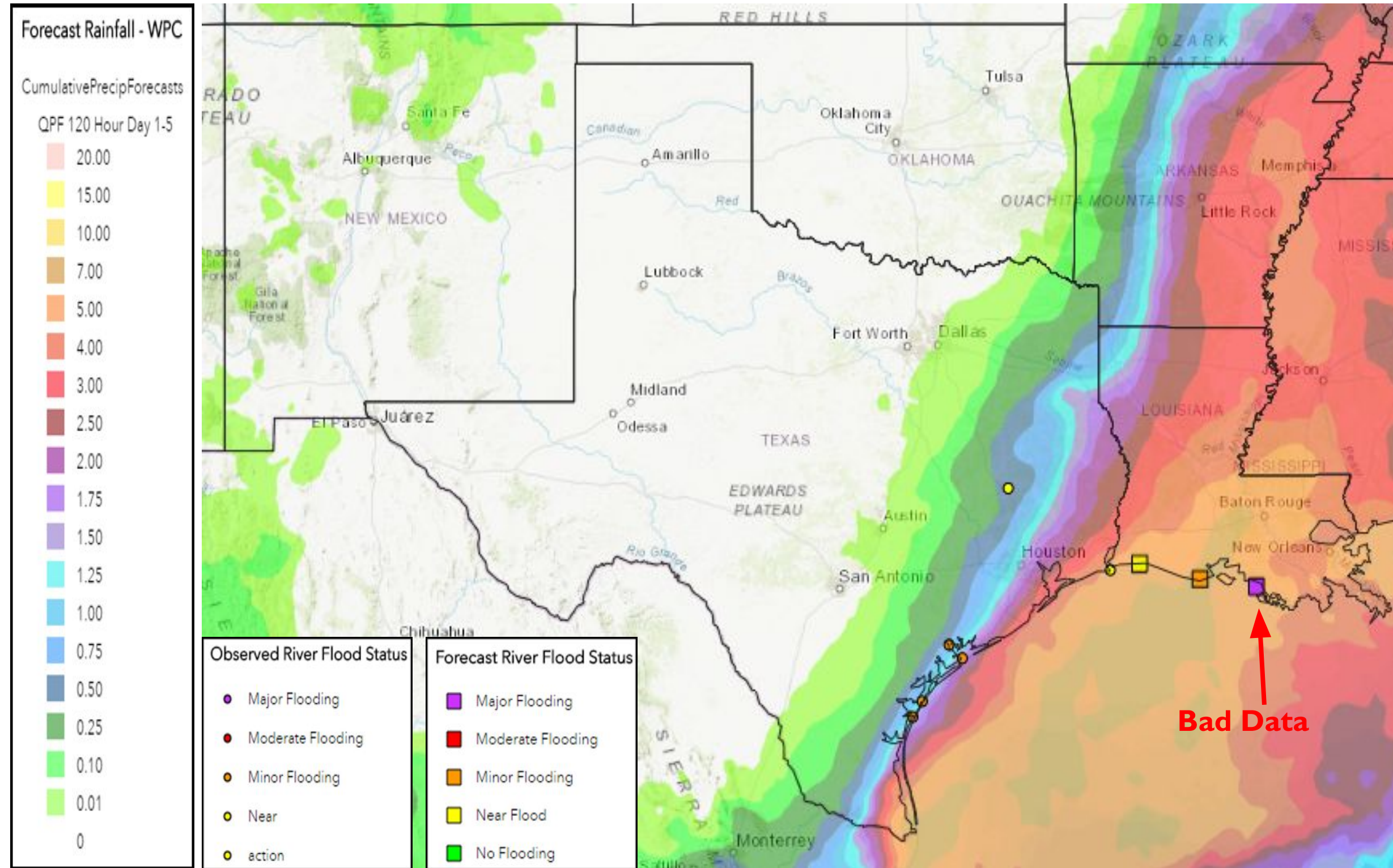
Increasing tropical impacts through mid-week for the TX/LA coasts



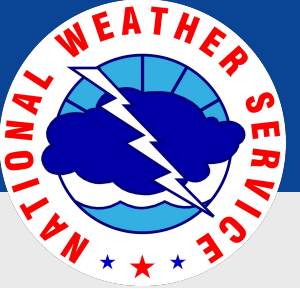


5-Day Precipitation Forecast & River Flood Status

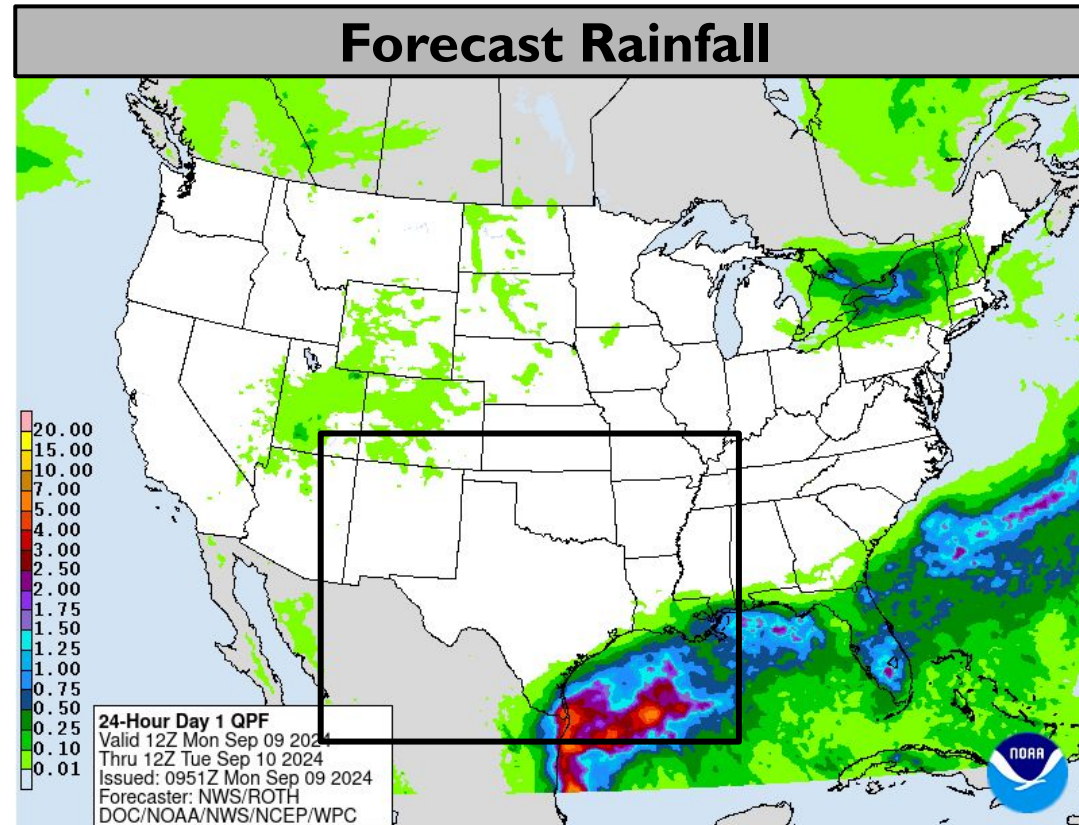
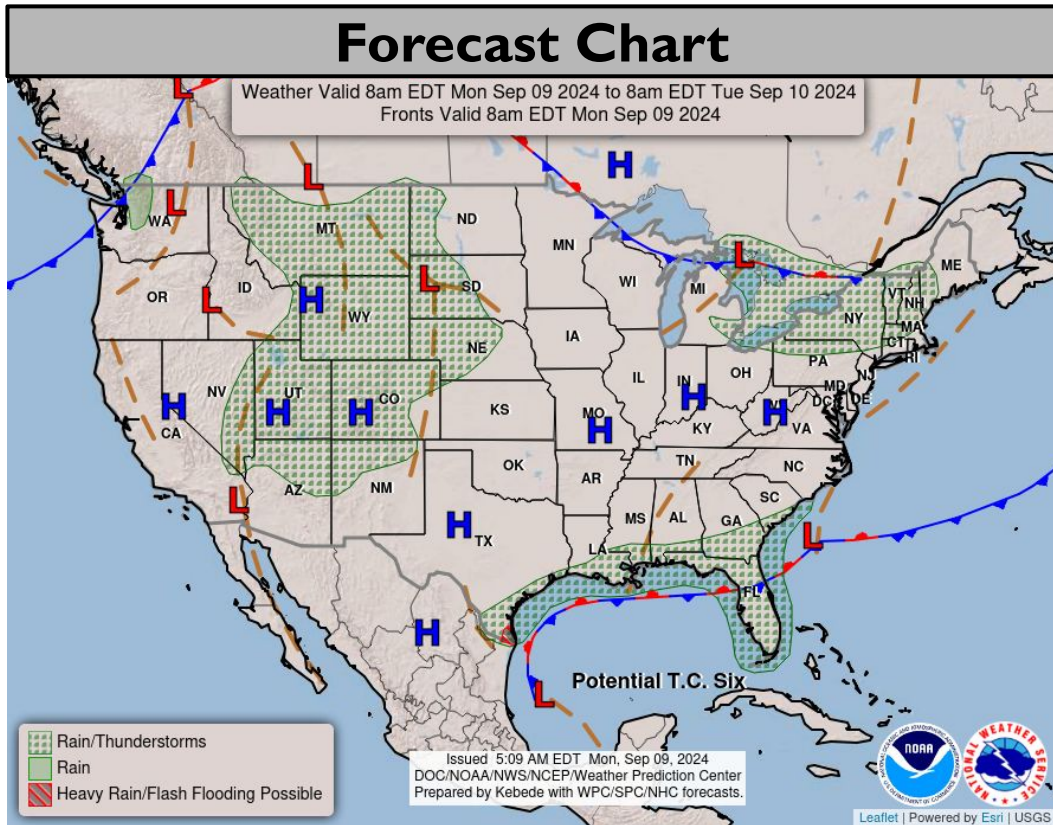
Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



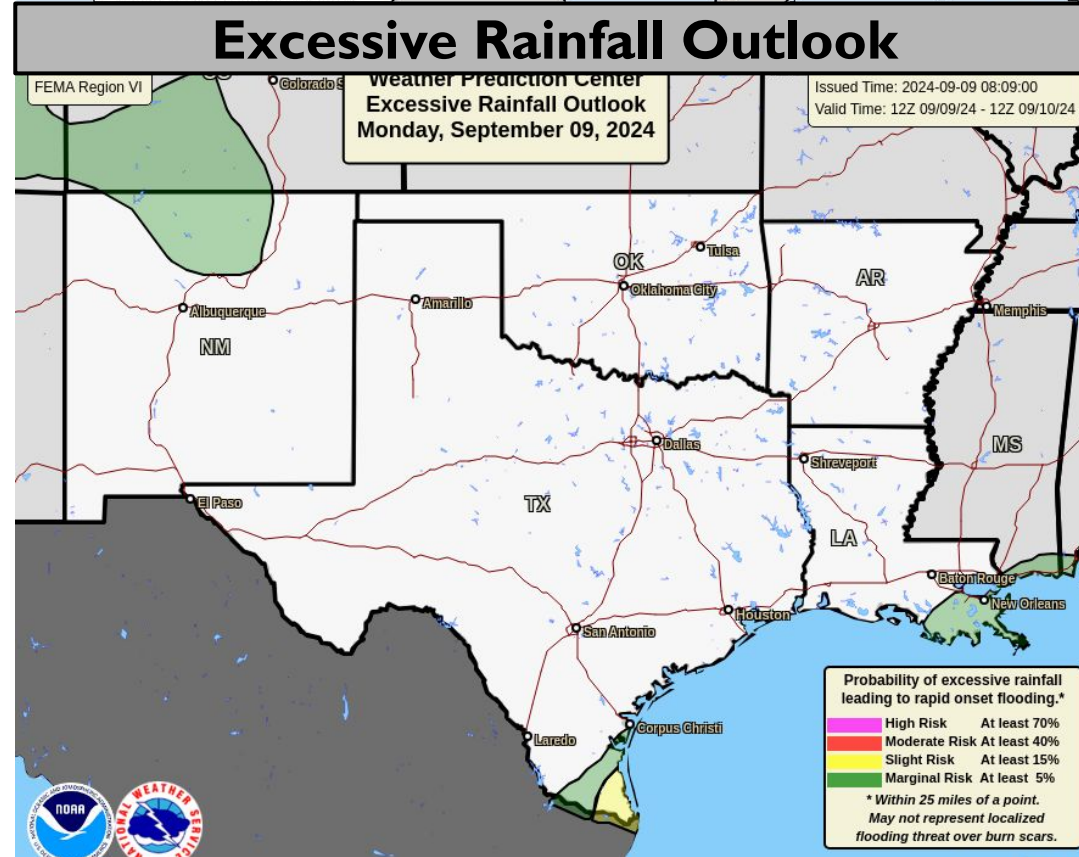
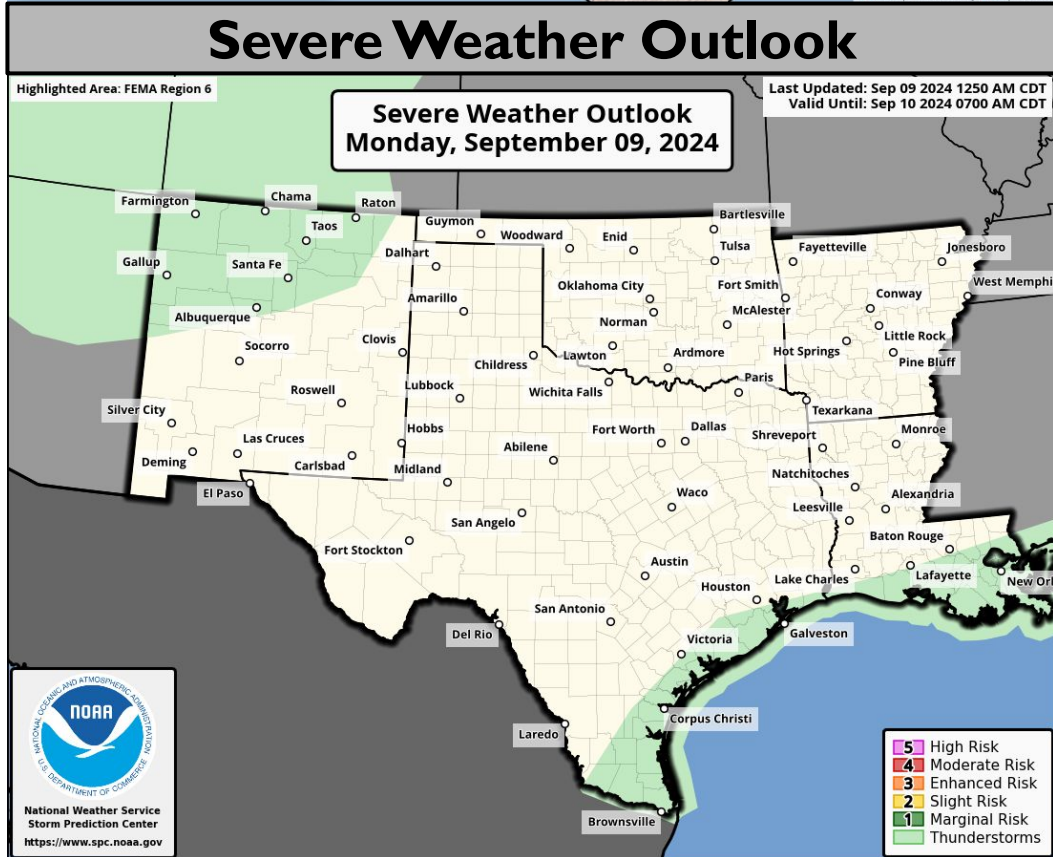
Monitoring for potential river flooding this week across SETX, LA.



Today's Weather



Slight risk of excessive rainfall across deep S TX.

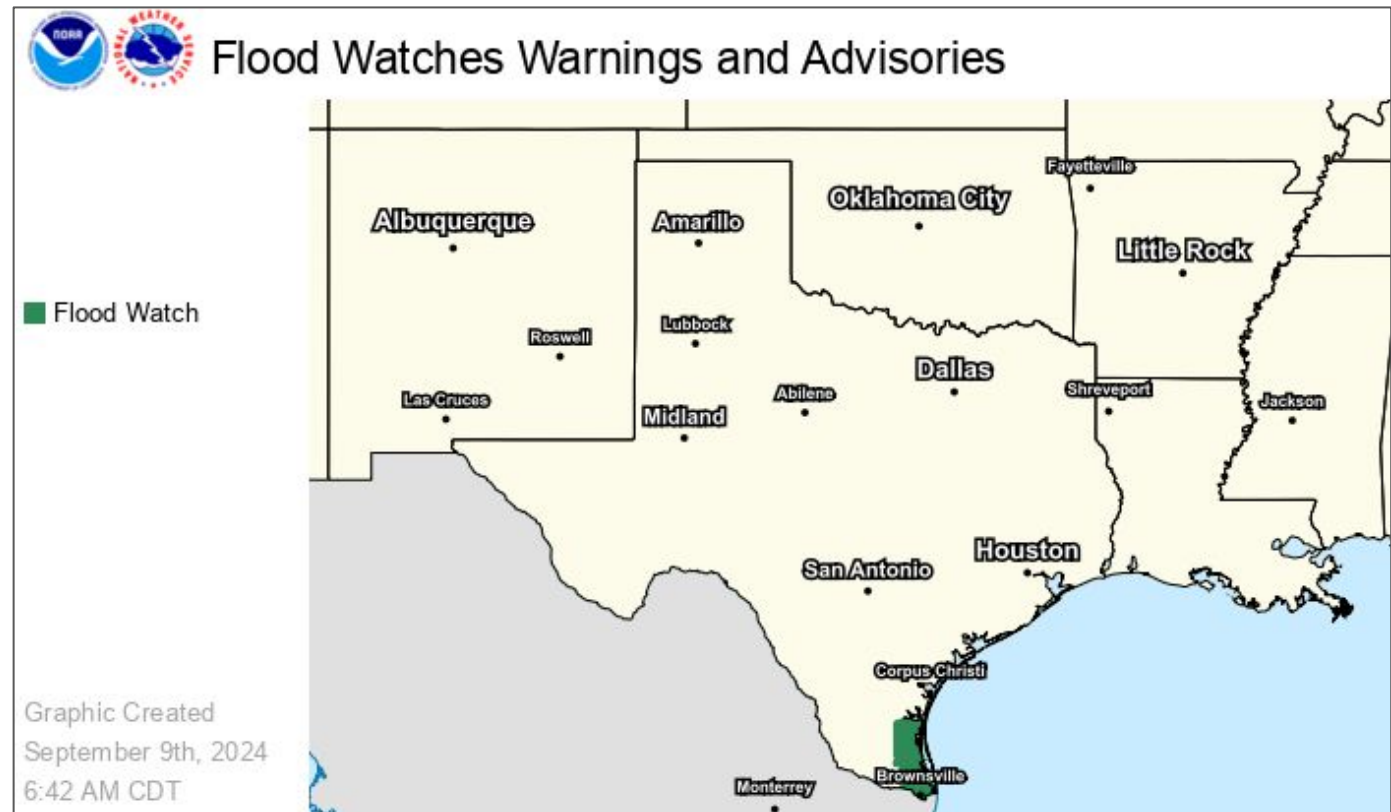
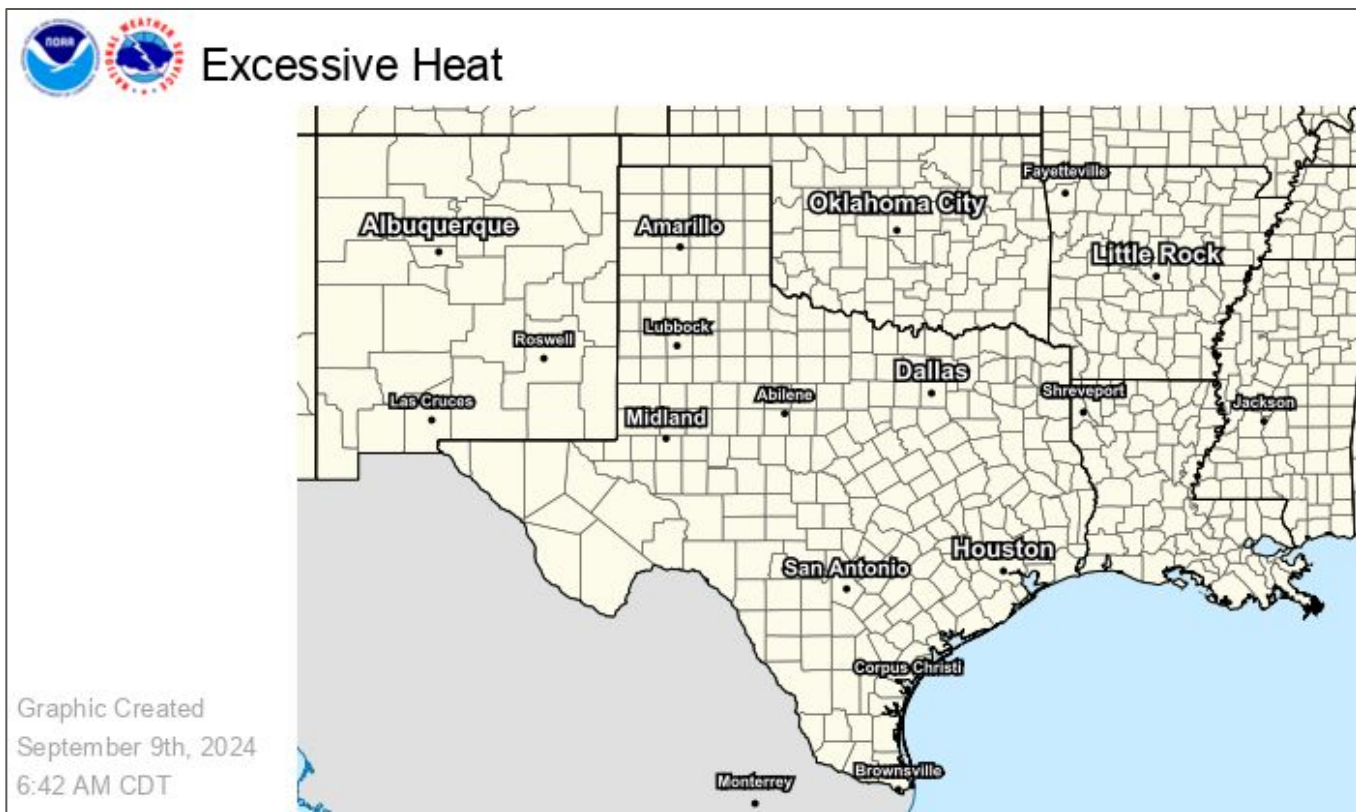




Watches, Warnings, and Advisories

Wind, Severe, Heat, and Flood Hazards

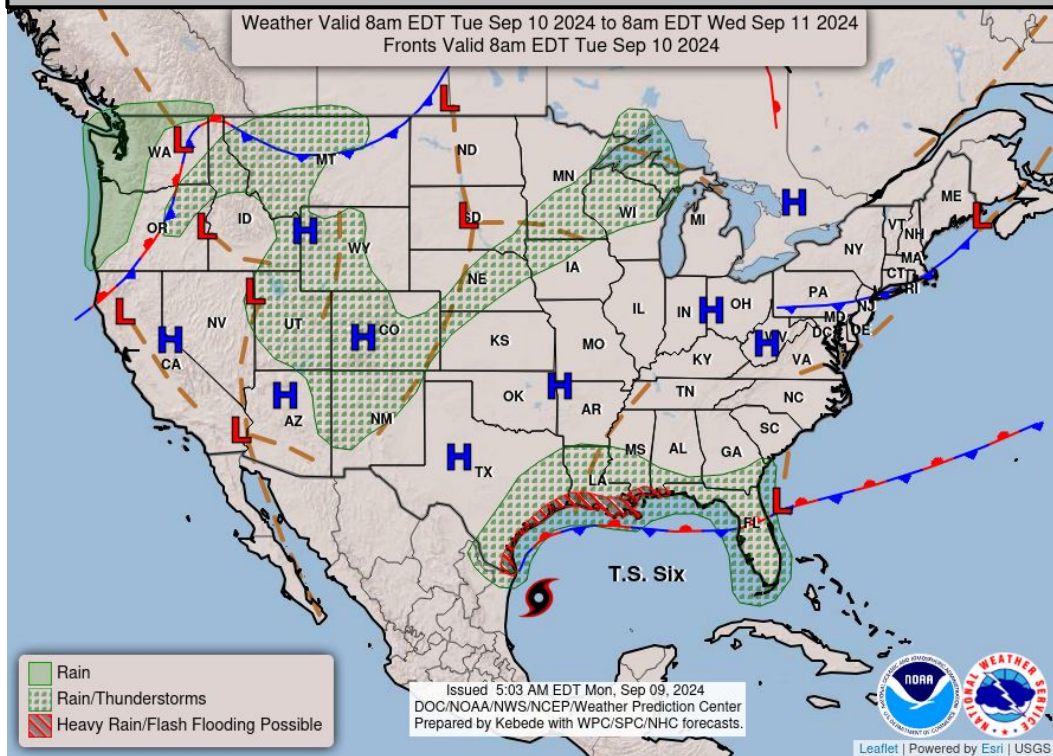
Flood Watches in effect for STX.



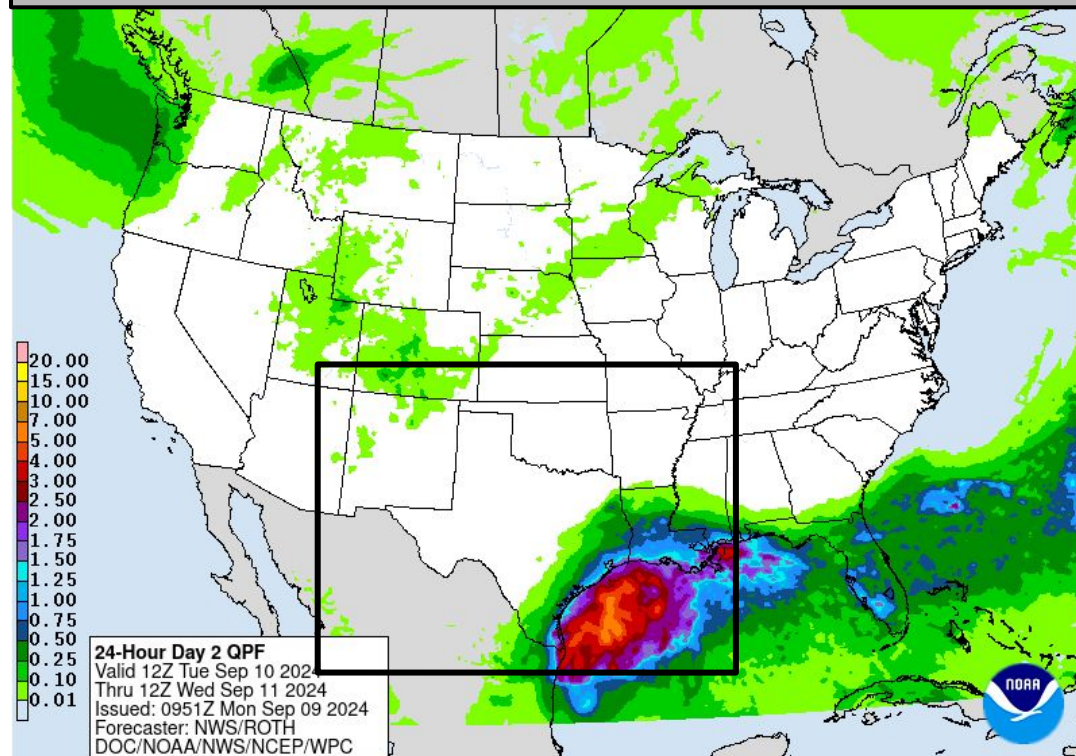


Tomorrow's Weather

Forecast Chart

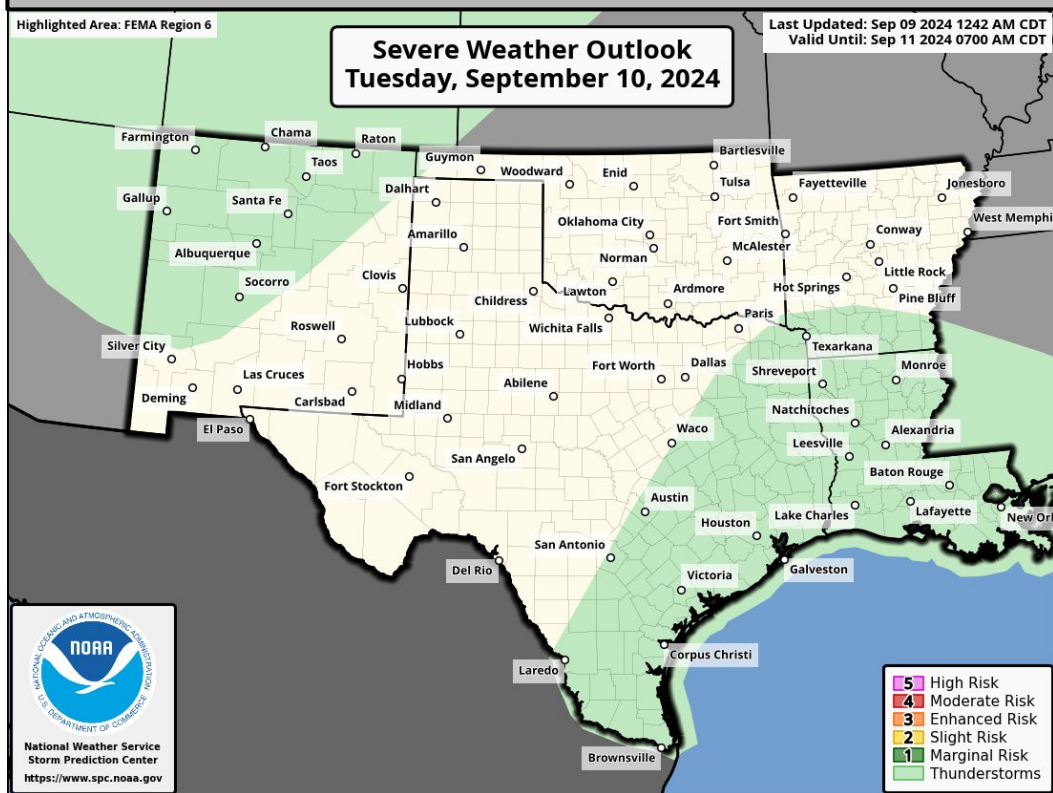


Forecast Rainfall

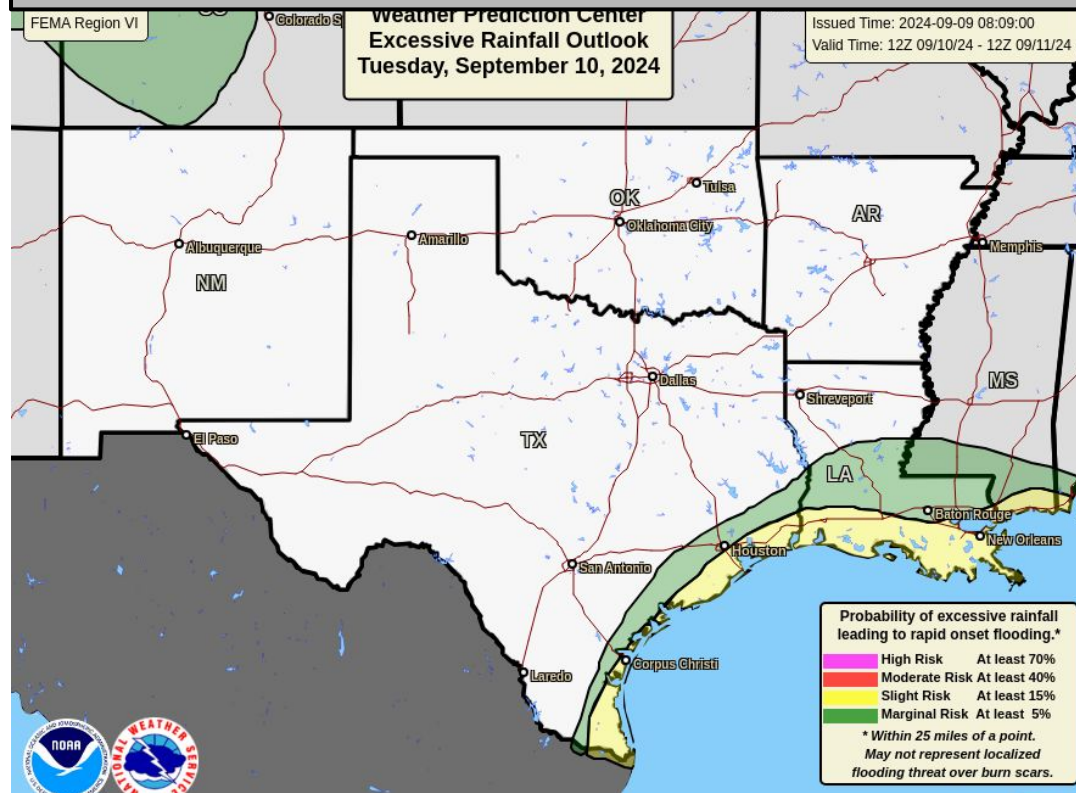


Tropical impacts including heavy rainfall along the TX coast into S LA and coastal flooding in S LA.

Severe Weather Outlook

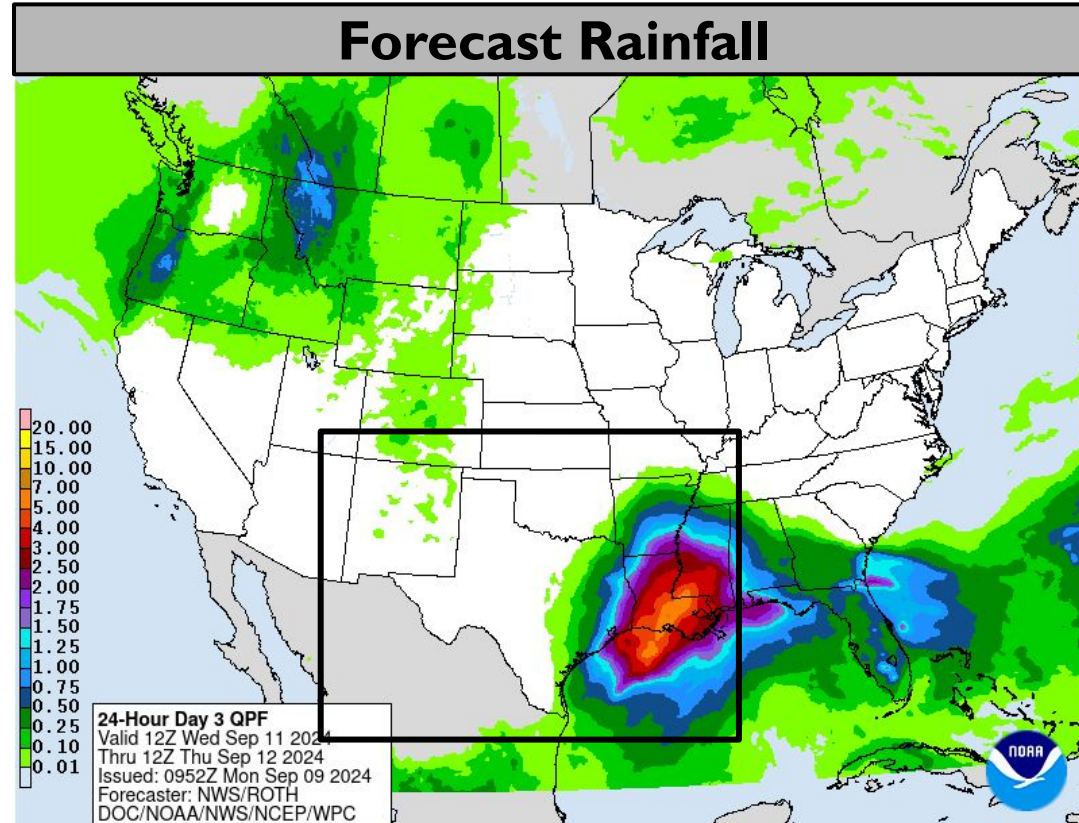
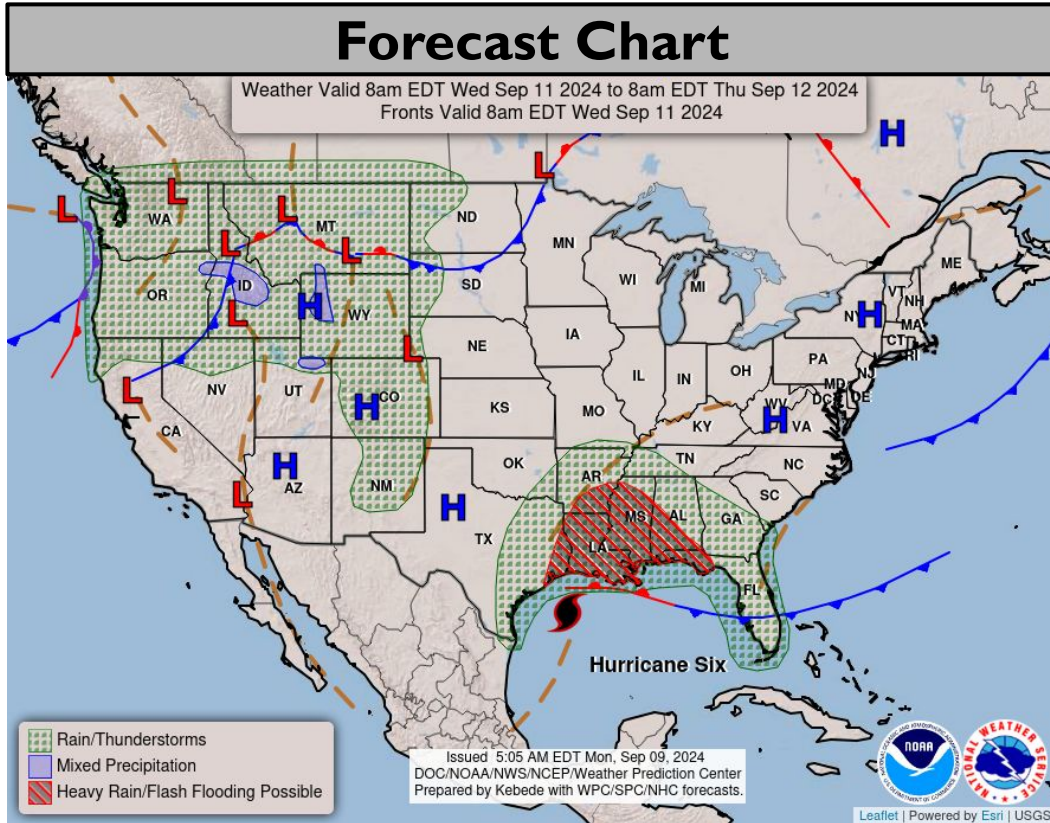


Excessive Rainfall Outlook

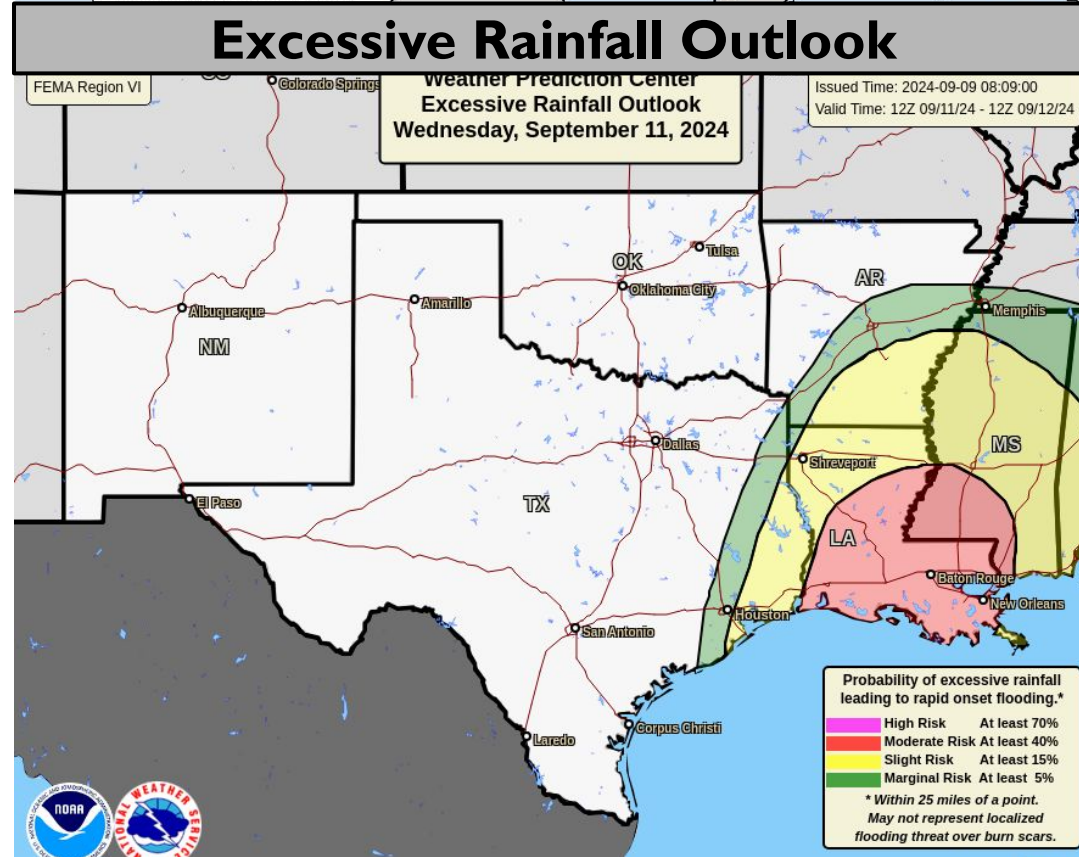
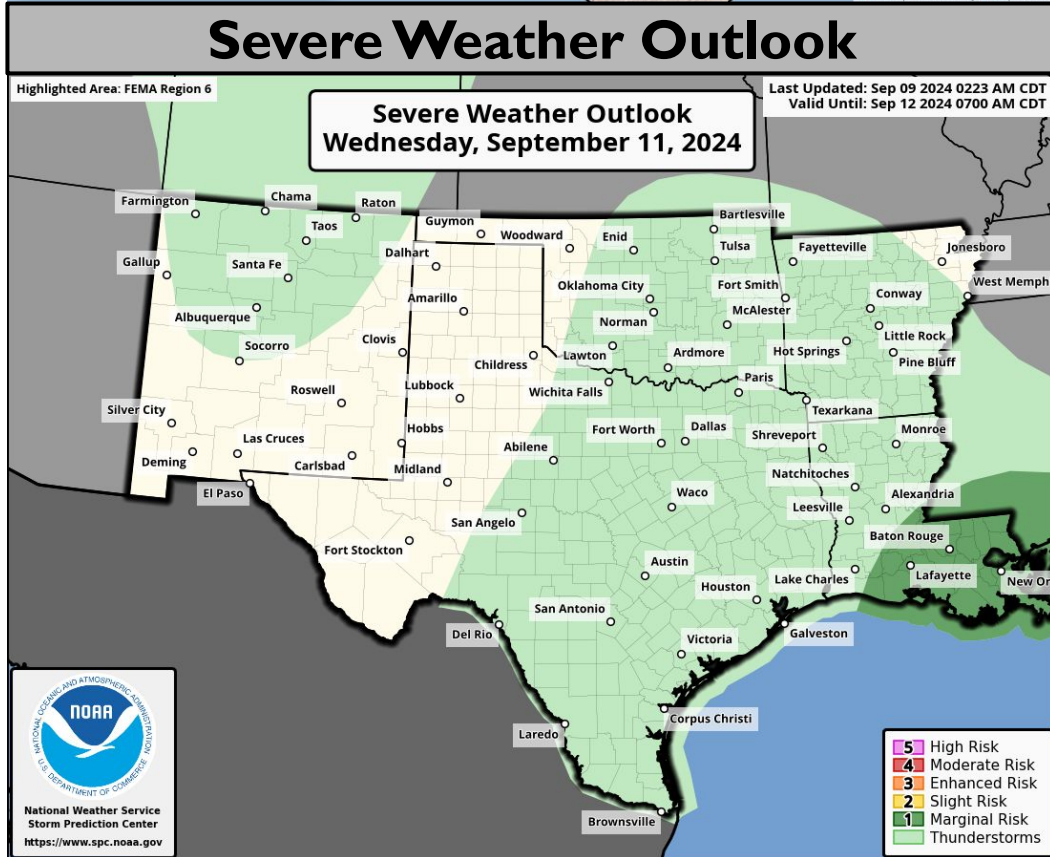




Wednesday's Weather



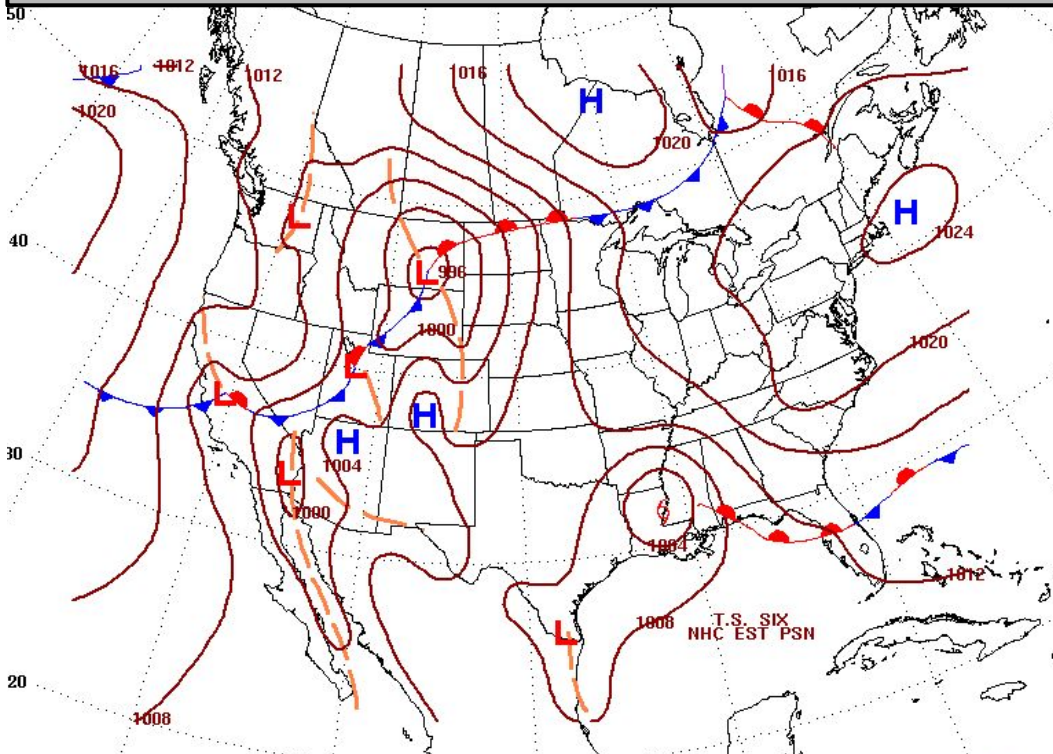
Tropical impacts including coastal flooding, heavy rainfall, damaging winds, isolated tornadoes over SETX into LA.



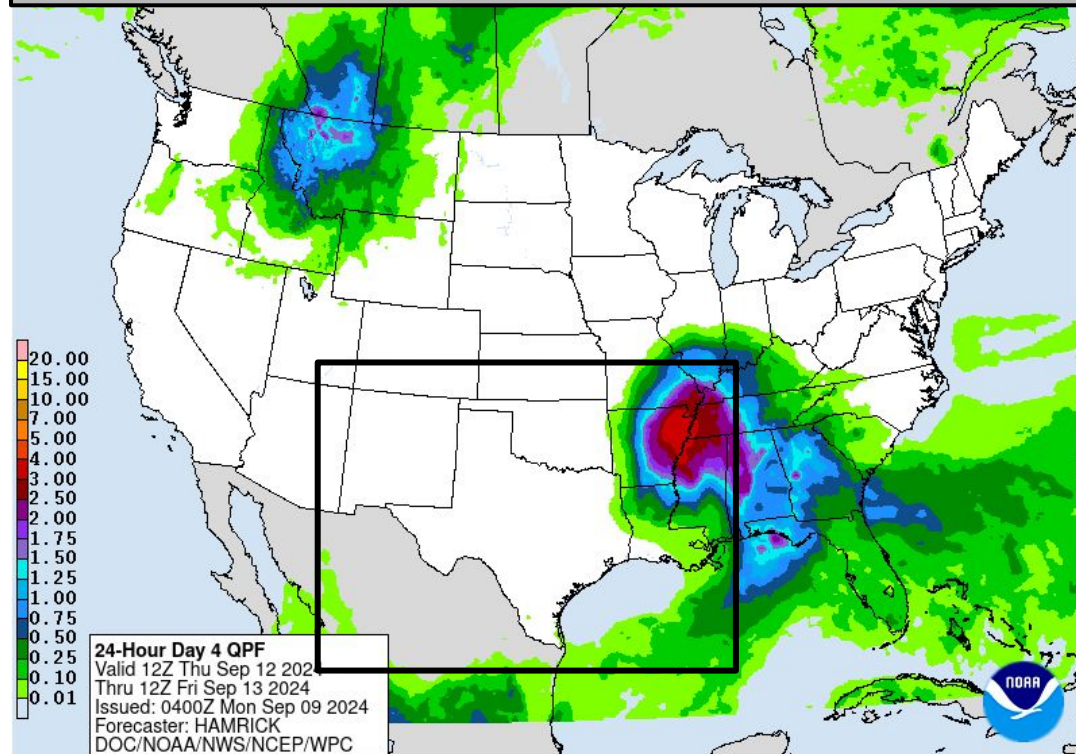


Thursday's Weather

Forecast Chart

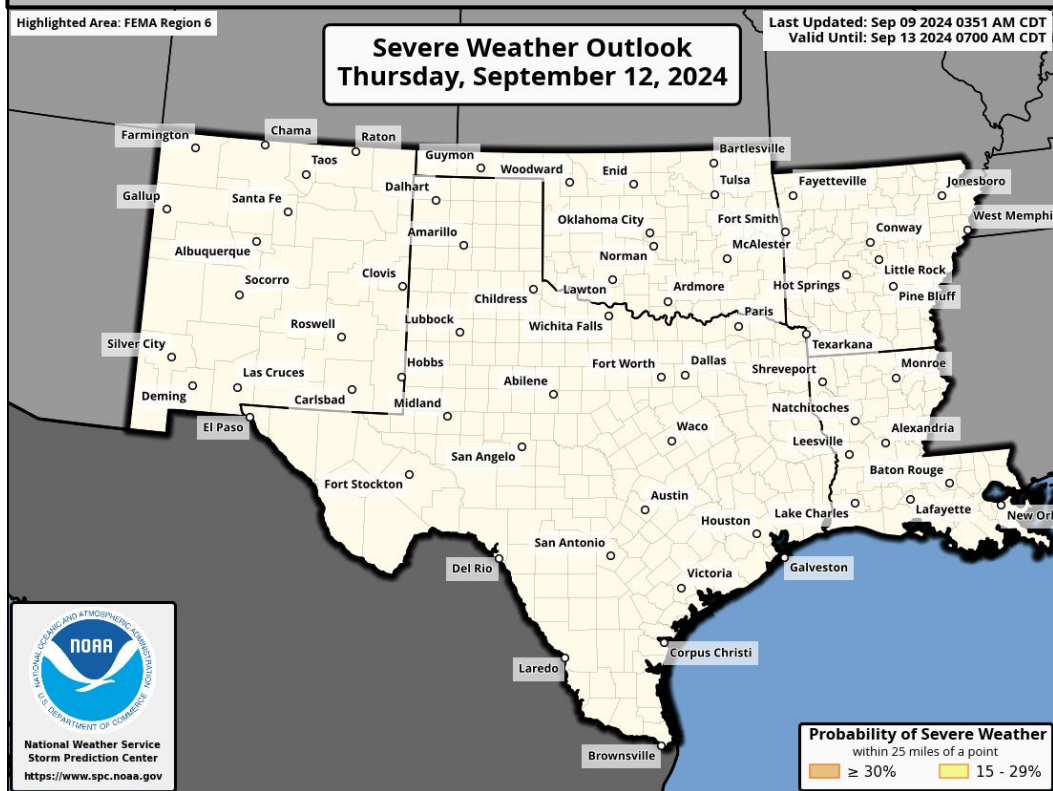


Forecast Rainfall

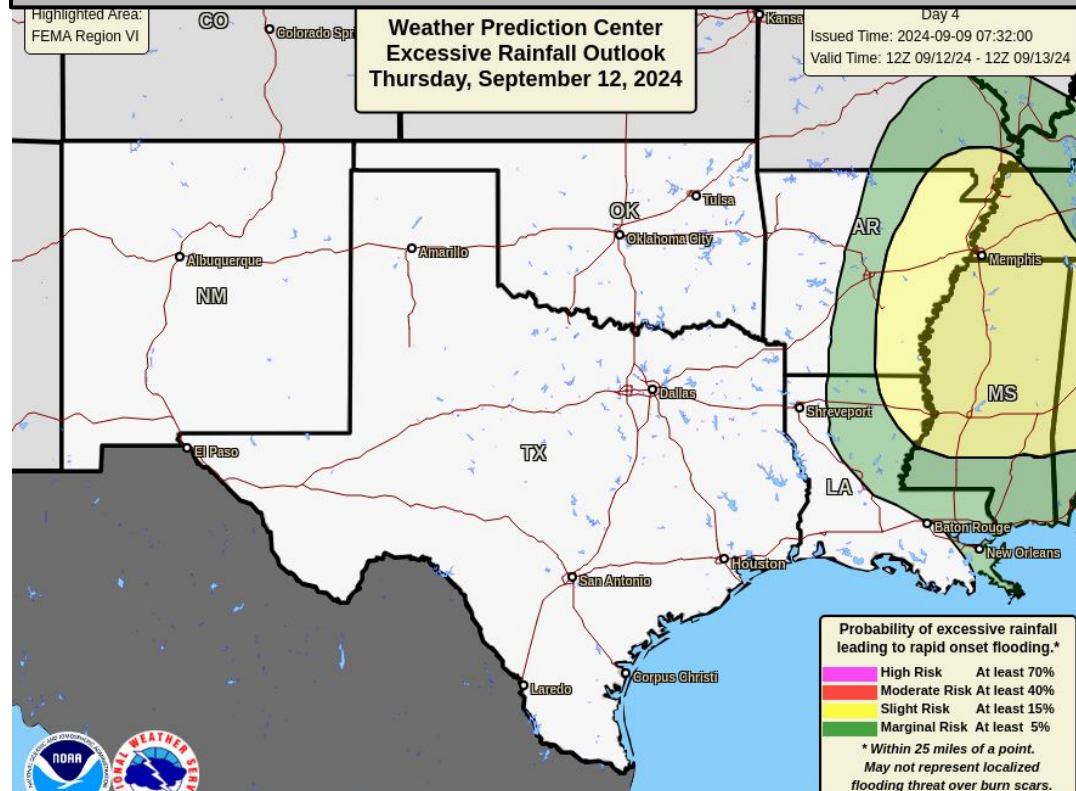


Slight risk of excessive rainfall over E AR and NE LA

Severe Weather Outlook



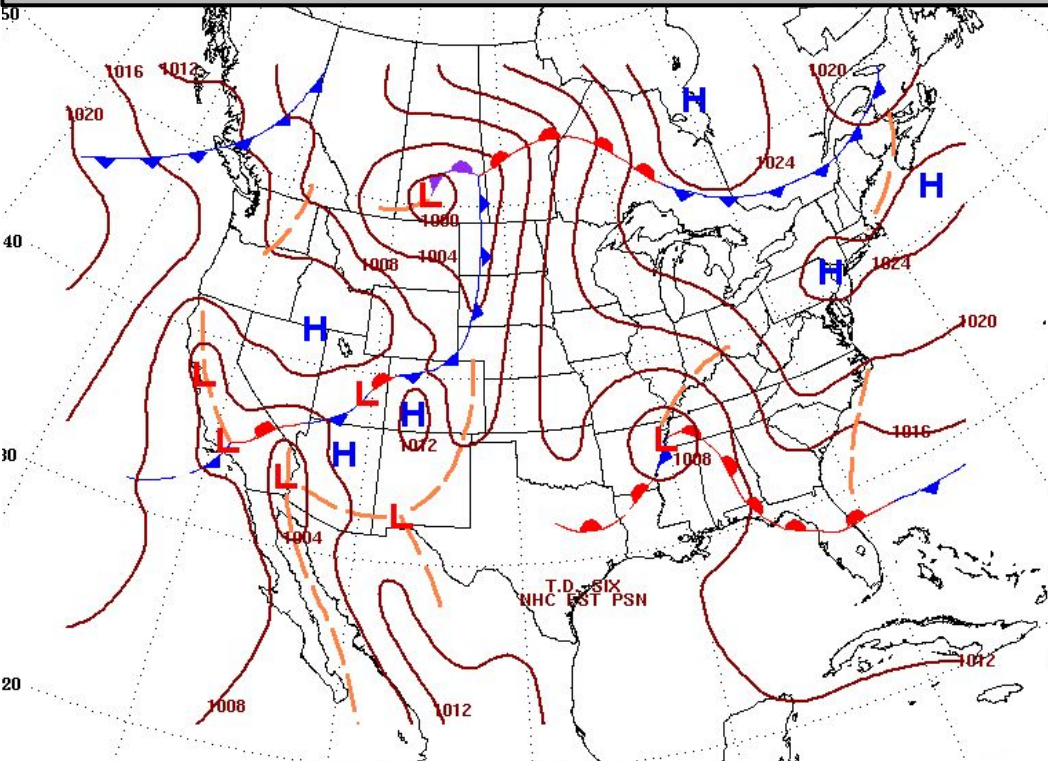
Excessive Rainfall Outlook



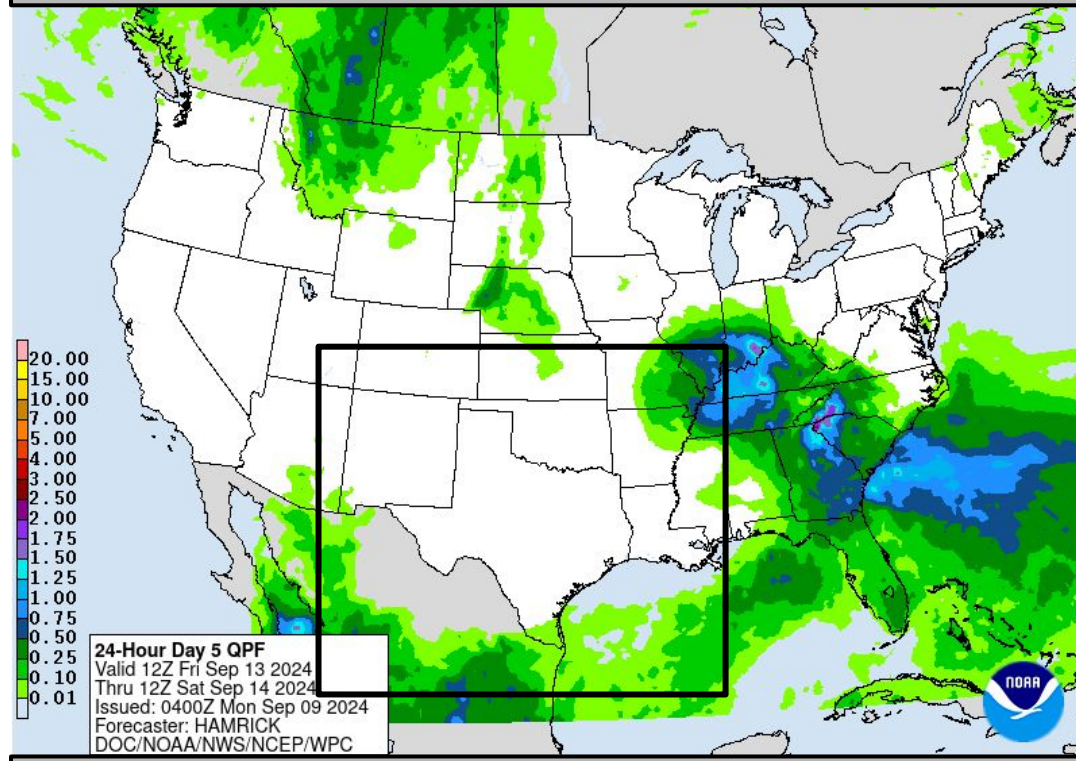


Friday's Weather

Forecast Chart

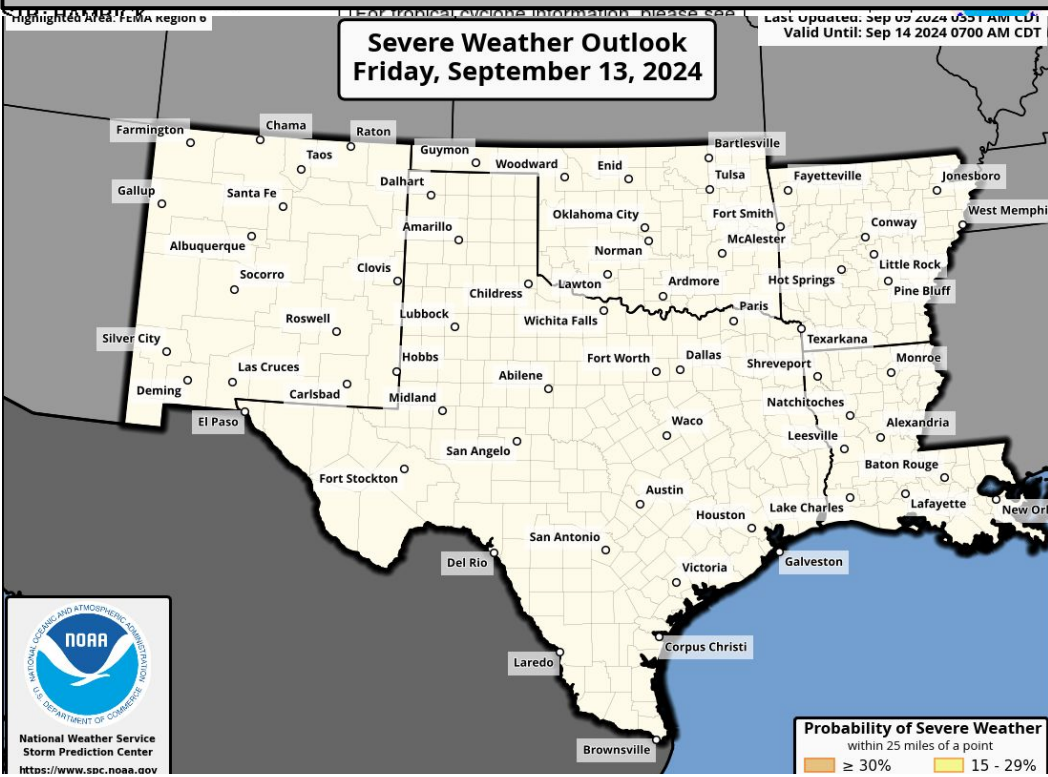


Forecast Rainfall

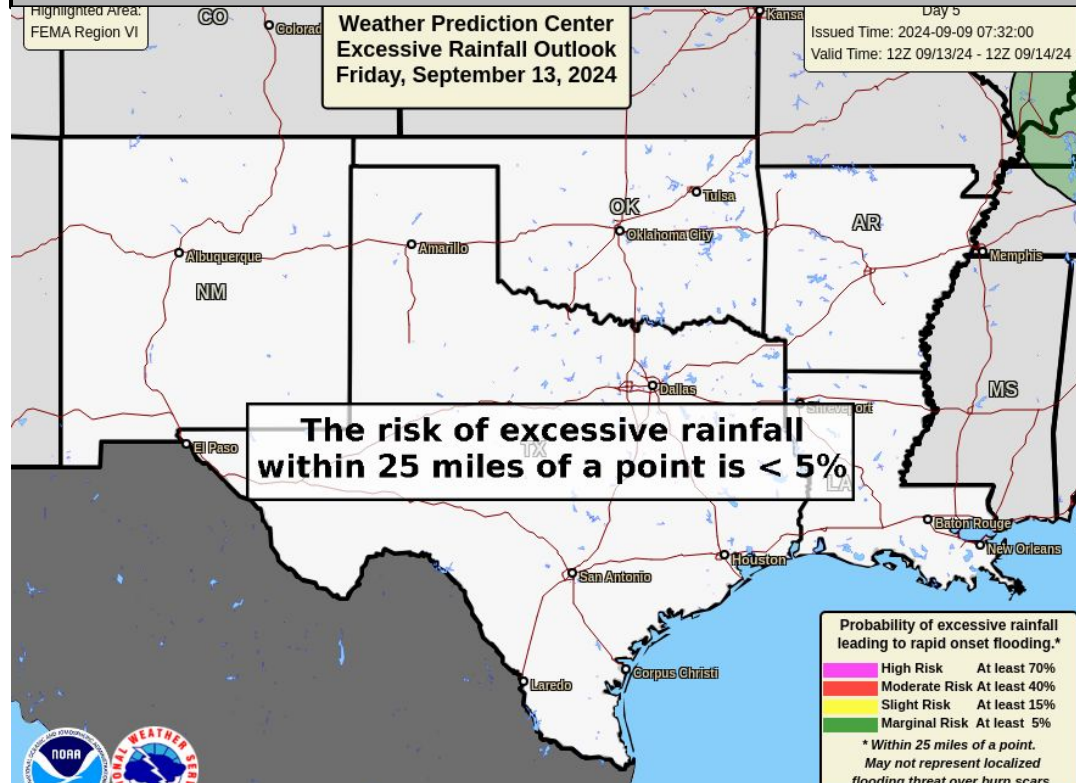


No significant weather expected.

Severe Weather Outlook



Excessive Rainfall Outlook



The risk of excessive rainfall within 25 miles of a point is < 5%

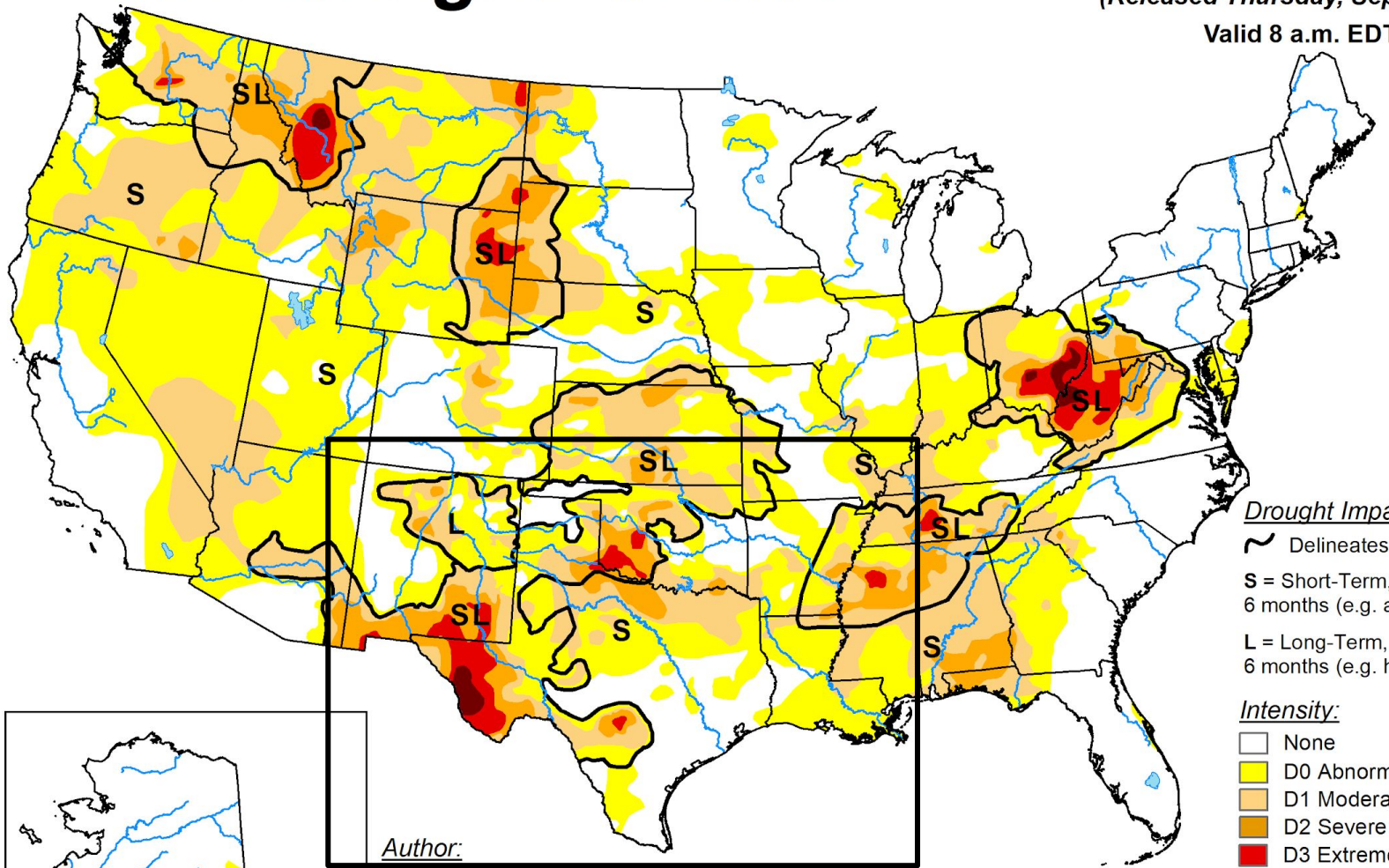
Probability of excessive rainfall leading to rapid onset flooding.*
High Risk At least 70%
Moderate Risk At least 40%
Slight Risk At least 15%
Marginal Risk At least 5%
* Within 25 miles of a point.
May not represent localized flooding threat over burn scars.



Drought Monitor

U.S. Drought Monitor

September 3, 2024
(Released Thursday, Sep. 5, 2024)
Valid 8 a.m. EDT



Drought Impact Types:
~ Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

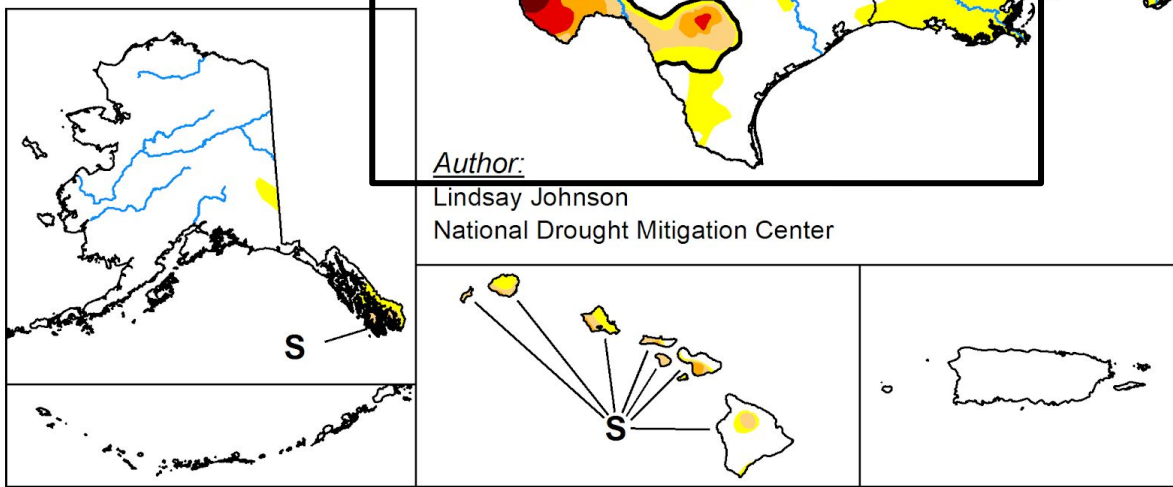
Intensity:
None
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought

Author:
Lindsay Johnson
National Drought Mitigation Center

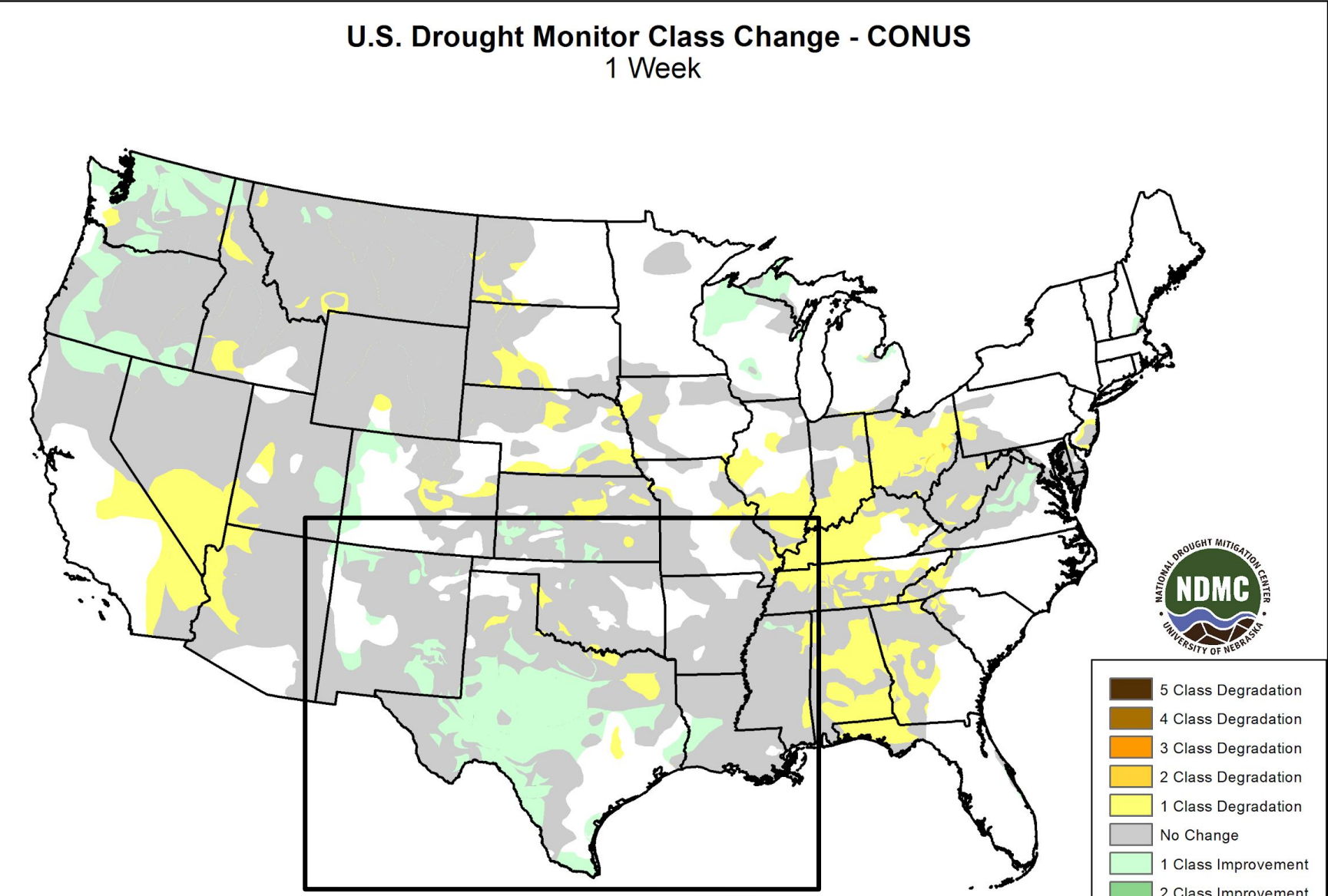
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



droughtmonitor.unl.edu



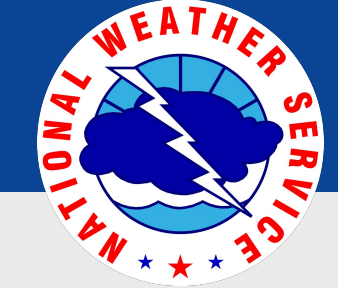
U.S. Drought Monitor Class Change - CONUS 1 Week



September 3, 2024
compared to
August 27, 2024

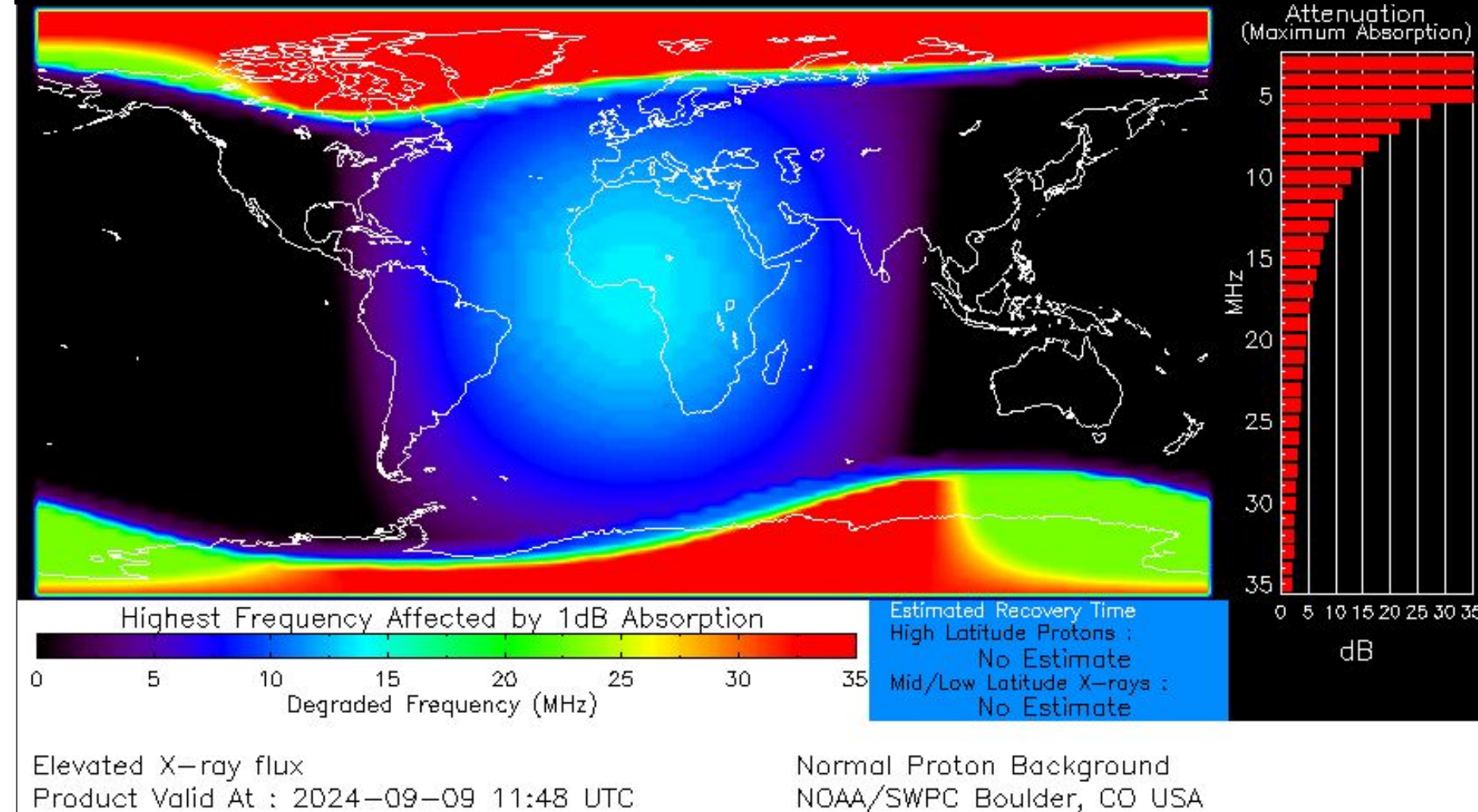
droughtmonitor.unl.edu





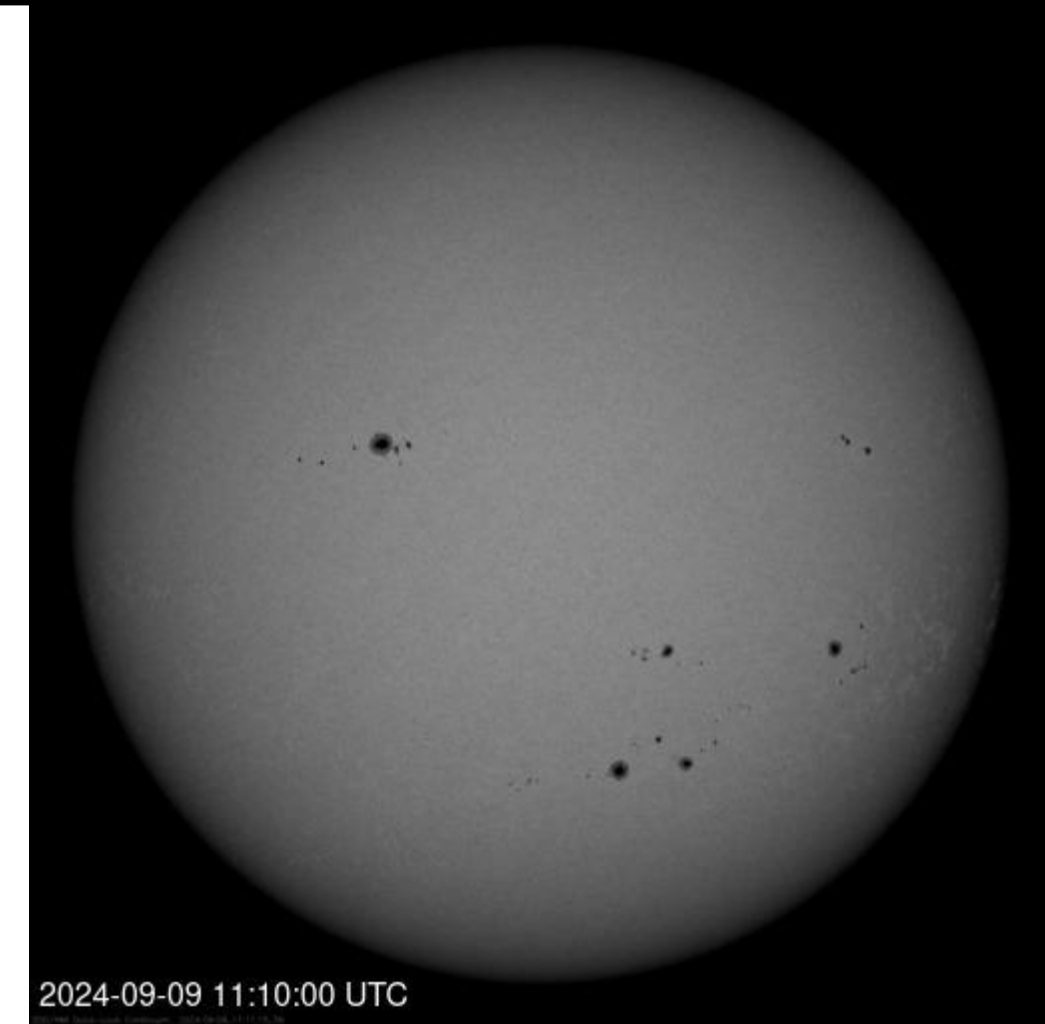
Space Weather 3-Day Forecast

	Monday, Sep 9	Tuesday, Sep 10	Wednesday, Sep 11
Geomagnetic Storms	Unsettled (Max Kp = 3)	Moderate (G2) Storm (Max Kp = 6)	Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	10%	10%	10%
Radio Blackout (R1-R2)	55%	55%	55%
Radio Blackout (R3-R5)	15%	15%	15%



[Description of the Space Weather Storm Scales](#)

[Latest 3-Day Space Weather Forecast](#)



Weather "Threat" Matrix for FEMA Region VI

Color	Definition	Criteria	Example(s)
Green	<p style="text-align: center;">Little to None</p> <p>Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines</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	<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 seabreeze storms in coastal TX
Yellow	<p style="text-align: center;">Minor</p> <p>Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life</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	<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;">Moderate</p> <p>Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life</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	<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;">Major</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>	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"> 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;">Extreme</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>	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"> 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



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