



FEMA



Prepared by
Melissa Beat

FEMA Region 6 Weather Threat Briefing

Wednesday, September 11, 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

- **Tropical Storm Francine will make landfall this afternoon/evening.**
 - **Forecast to make landfall as a Category 2 Hurricane.**
 - **Tropical impacts including heavy rain, coastal flooding, damaging winds, heavy rainfall, isolated tornadoes for LA today and lingering into Thursday for NE LA, E AR.**
- **Low (30%) chance of tropical development in the central Atlantic over the next 7 days. No impacts to FEMA 6.**
- **High (80%) chance of tropical development in the central Atlantic over the next 7 days. No impacts to FEMA 6.**





FEMA Region 6 Threat Matrix

Next 5 Days

	Wednesday, Sep 11	Thursday, Sep 12	Friday, Sep 13	Saturday, Sep 14	Sunday, Sep 15
Severe Storms	SE LA				
Heavy Rain / Flash Flooding	LA	NE AR	NE AR		NM
Fire Weather					
Heat					
Tropical	LA				
River Flooding	LA	LA	LA	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
-------------	----------------	-------	----------	-------	---------



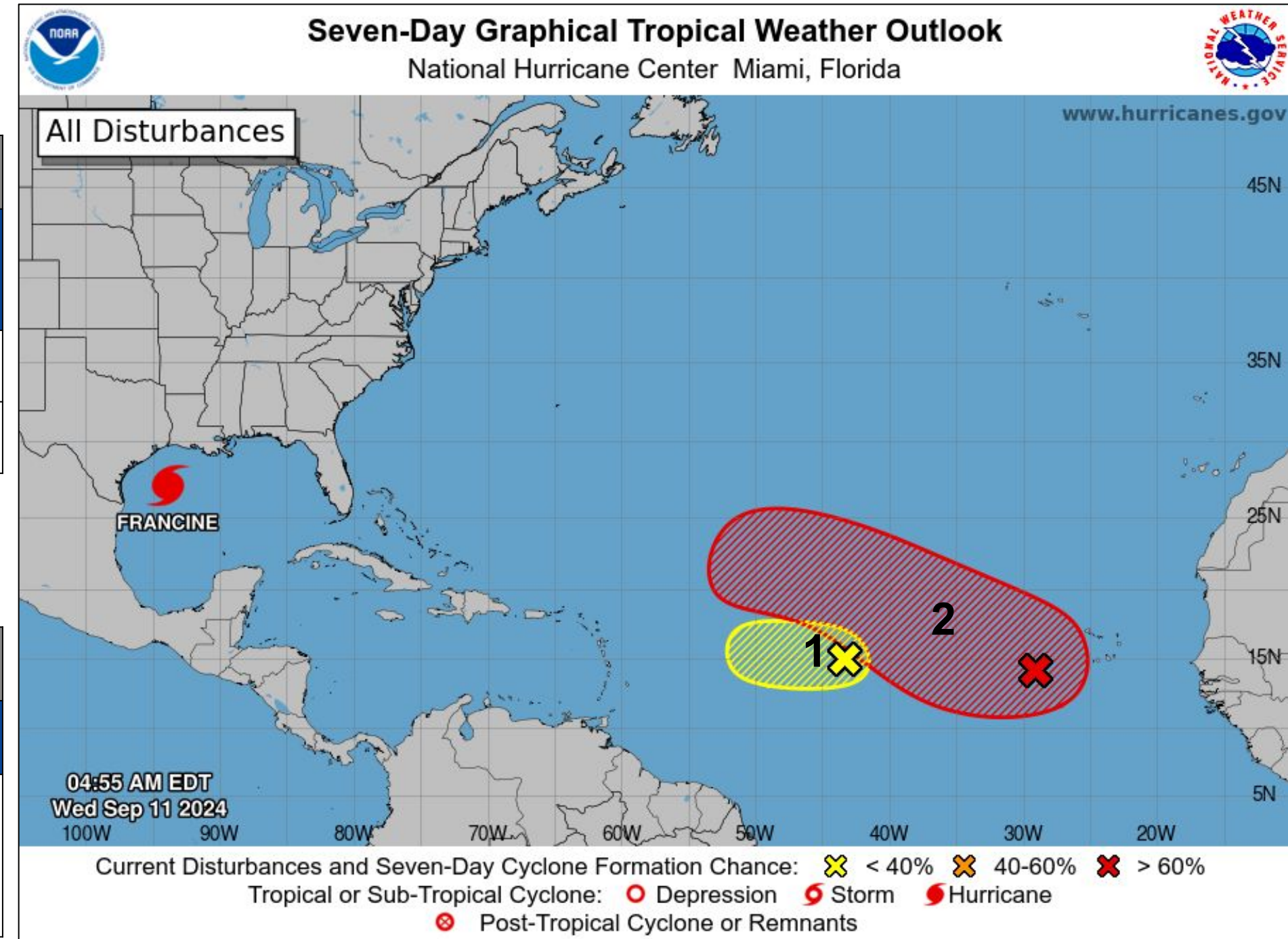
Tropical Weather Outlook – Atlantic/Gulf

Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Low (30%)	None in the next 7 days.
2	High (80%)	None in the next 7 days.

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
Francine	Heavy rainfall, coastal flooding, damaging winds, isolated tornadoes along the TX Coast into LA thru Thu

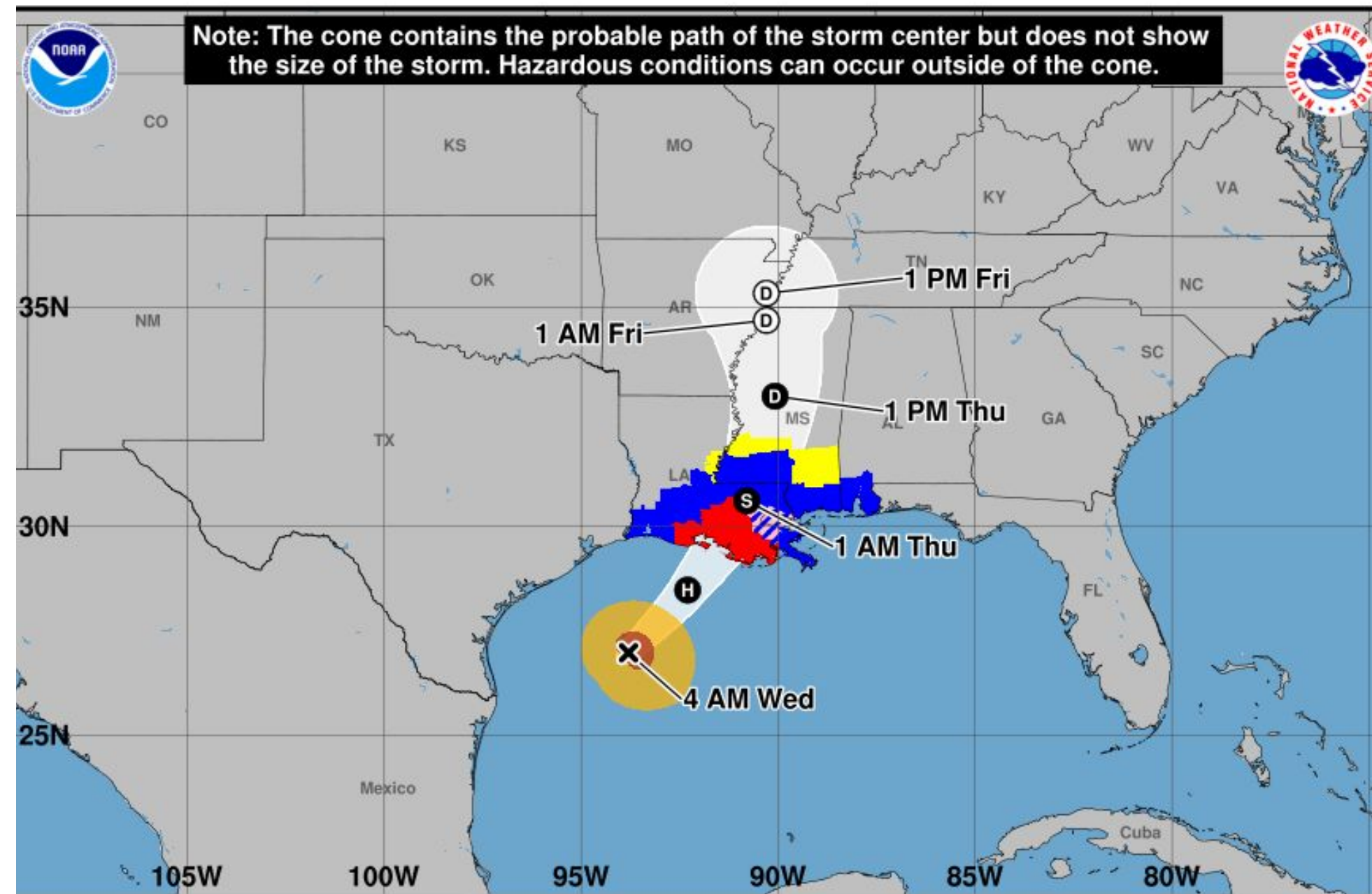


See <http://www.hurricanes.gov> for the latest on the tropics or any active storms



Francine

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



Hurricane Francine

- Francine has sustained winds of 90 MPH.
- Moving NE at 10 mph and is forecast to continue NE through Thursday morning then turn N.
- Francine is forecast to make landfall as a Category 2 Hurricane.

Hurricane Francine Wednesday September 11, 2024 4 AM CDT Advisory 11 NWS National Hurricane Center	Current information: x Center location 27.0 N 93.8 W Maximum sustained wind 90 mph Movement NE at 10 mph	Forecast positions: ● Tropical Cyclone ○ Post/Potential TC Sustained winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110 mph	
Potential track area: Day 1-5	Watches: Hurricane (pink) Trop Stm (yellow)	Warnings: Hurricane (red) Trop Stm (blue)	Current wind field estimate: Hurricane (brown) Trop Stm (orange)

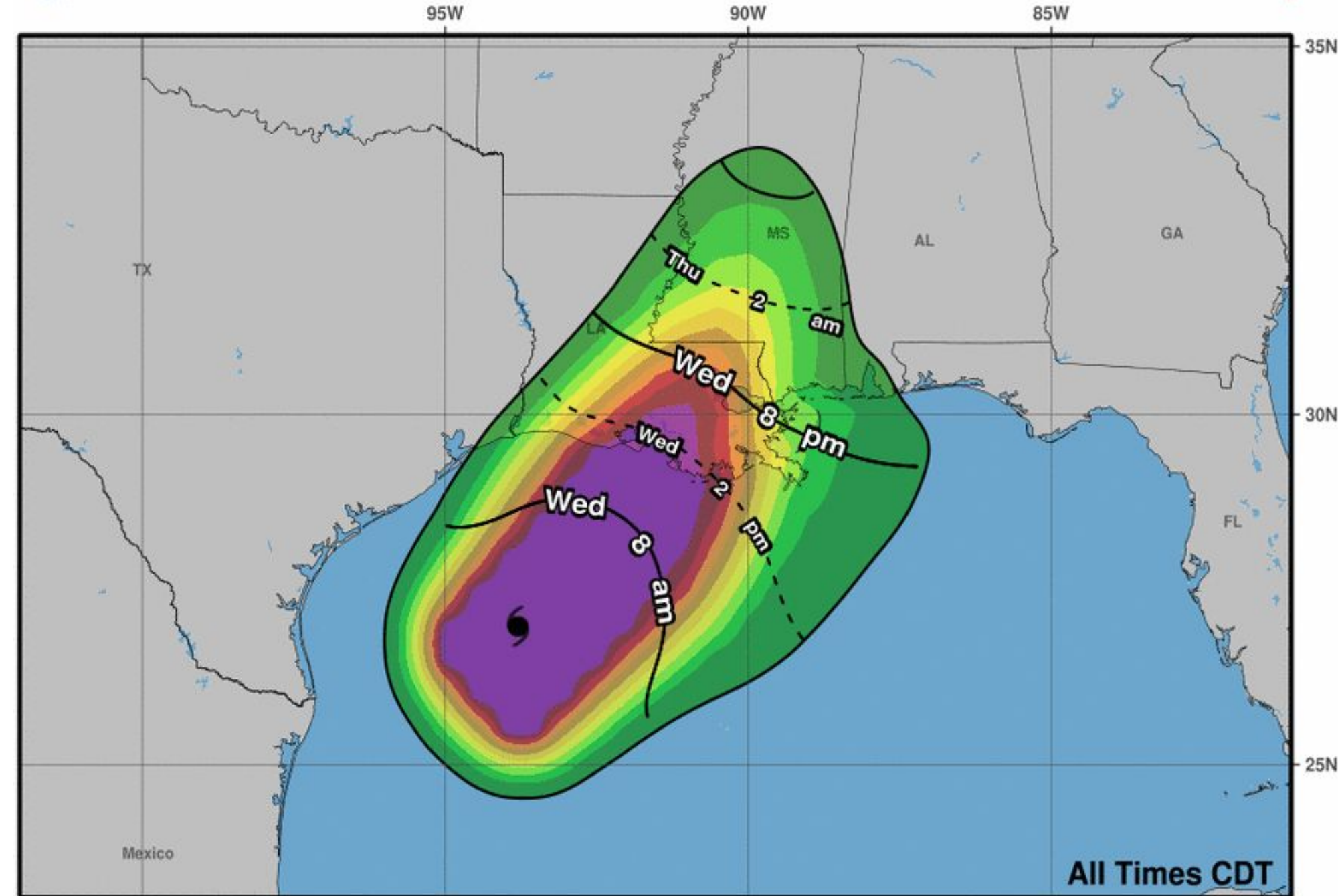


Wind Hazard Overview

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



Most Likely Arrival Time of Tropical-Storm-Force Winds



- The western Louisiana coast has a 20-60% chance of tropical storm force winds over the next 5 days
 - Most likely time of arrival: 10am-1pm
 - Most likely time of departure: after 8pm
- The central Louisiana coast has a 90-100% chance of tropical storm force winds over the next 5 days
 - Most likely time of arrival: 11am-2pm
 - Most likely time of departure: after 1am Thursday
- The eastern Louisiana coast has a 30-80% chance of tropical storm force winds over the next 5 days
 - Most likely time of arrival: 2pm-5pm
 - Most likely time of departure: after 8am Thursday

[Click for point-specific forecasts every 3 hours & out 5 days](#)
zoom in and click on a spot; keep in mind forecast uncertainty when dealing with tropical systems!

Hurricane Francine
 Wed. Sep. 11, 2024 4 am CDT
 Advisory 11

Storm Location & Wind Speed

- < 34 kt (39 mph)
- 34-63 kt (39-73 mph)
- ≥ 64 kt (74 mph)

5-day chance of receiving sustained 34+ kt (39+ mph) winds

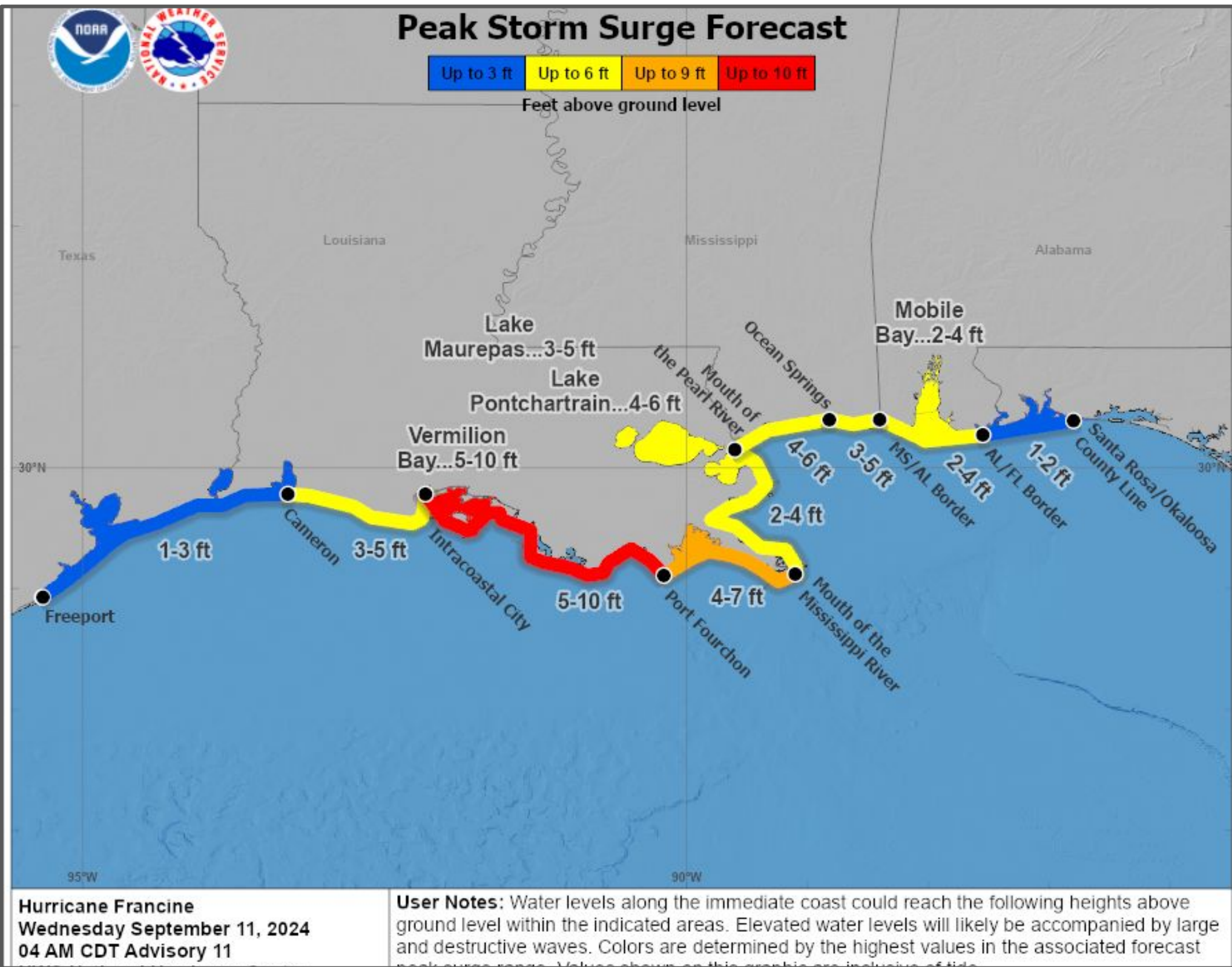
5 10 20 30 40 50 60 70 80 90 100 %





Storm Surge Overview

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



Peak Storm Surge

Water could reach the following heights above ground somewhere in the indicated areas if highest surge occurs at the time of high tide

- Intracoastal City, LA to Port Fourchon, LA...5-10 ft
- Port Fourchon, LA to Mouth of the Mississippi River...4-7 ft
- Mouth of the Pearl River, LA to Ocean Springs, MS...4-6 ft
- Lake Pontchartrain...4-6 ft
- Cameron, LA to Intracoastal City, LA...3-5 ft

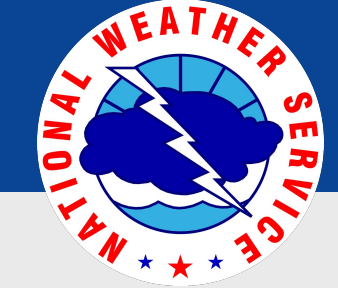
Timing

- Water levels will peak today, receding on Thursday.

Observations

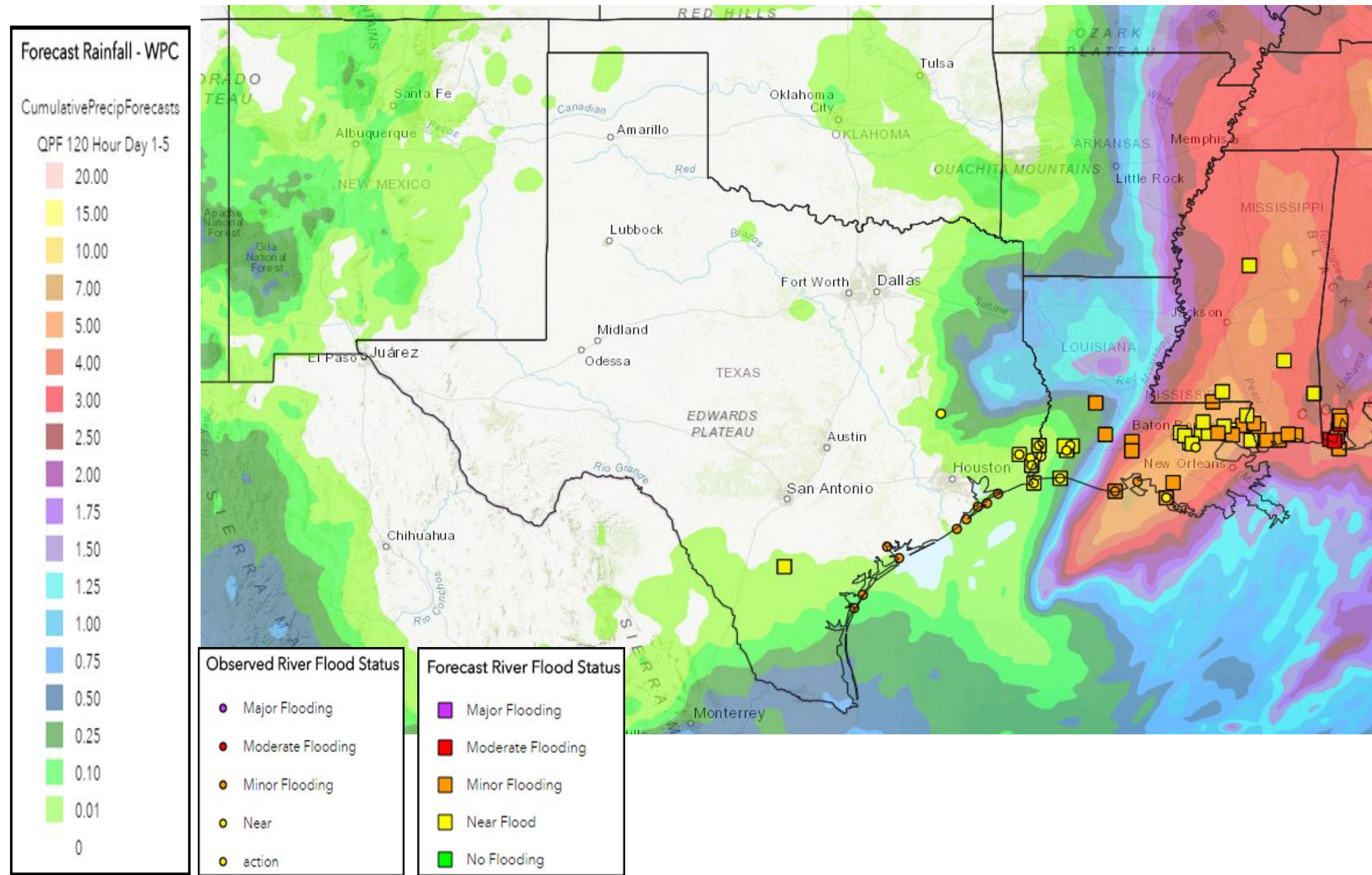
- Water levels at Shell Beach, LA are at 2.32 ft MHHW as of 6:42 AM (Next high tide is 7:35 AM)
- Water levels at Grand Isle, LA are at 1.43 ft MHHW as of 6:42 AM (Next high tide is 4:36 AM Thursday)





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

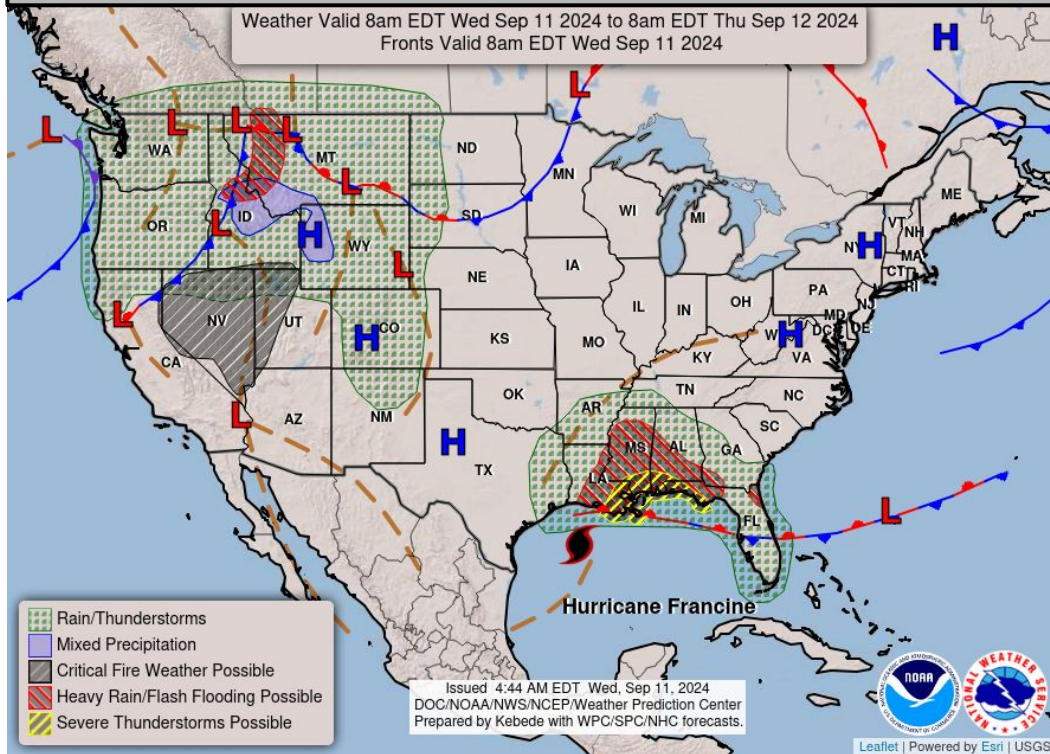


Monitoring for potential river flooding this week across LA.

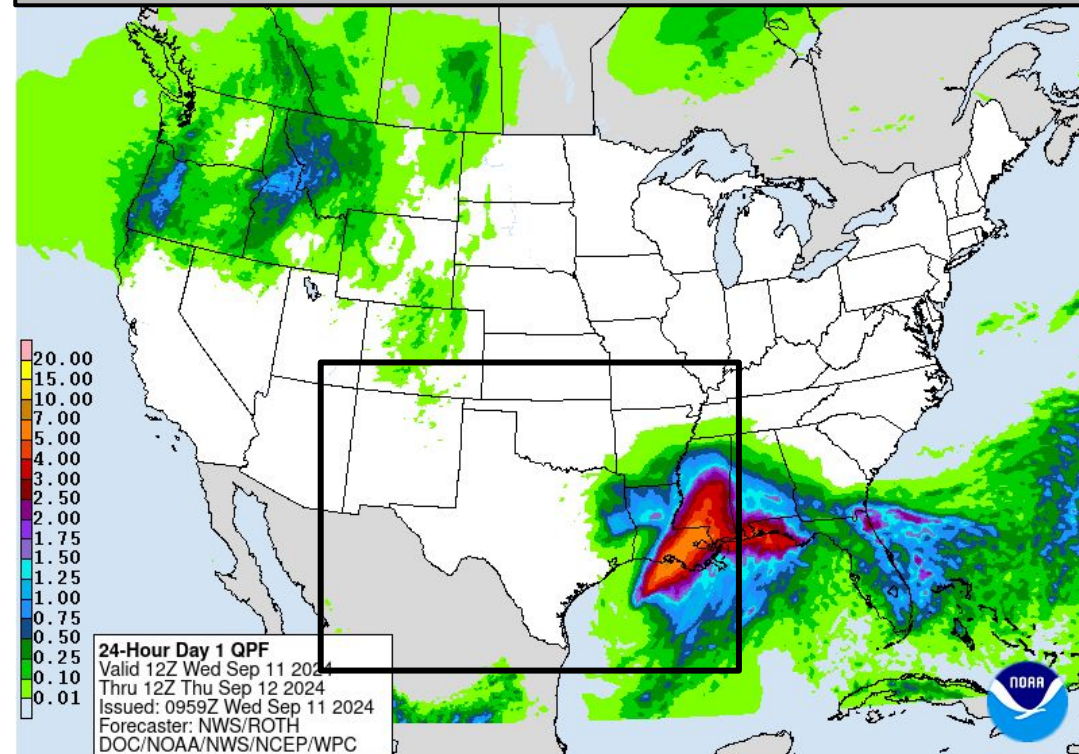


Today's Weather

Forecast Chart



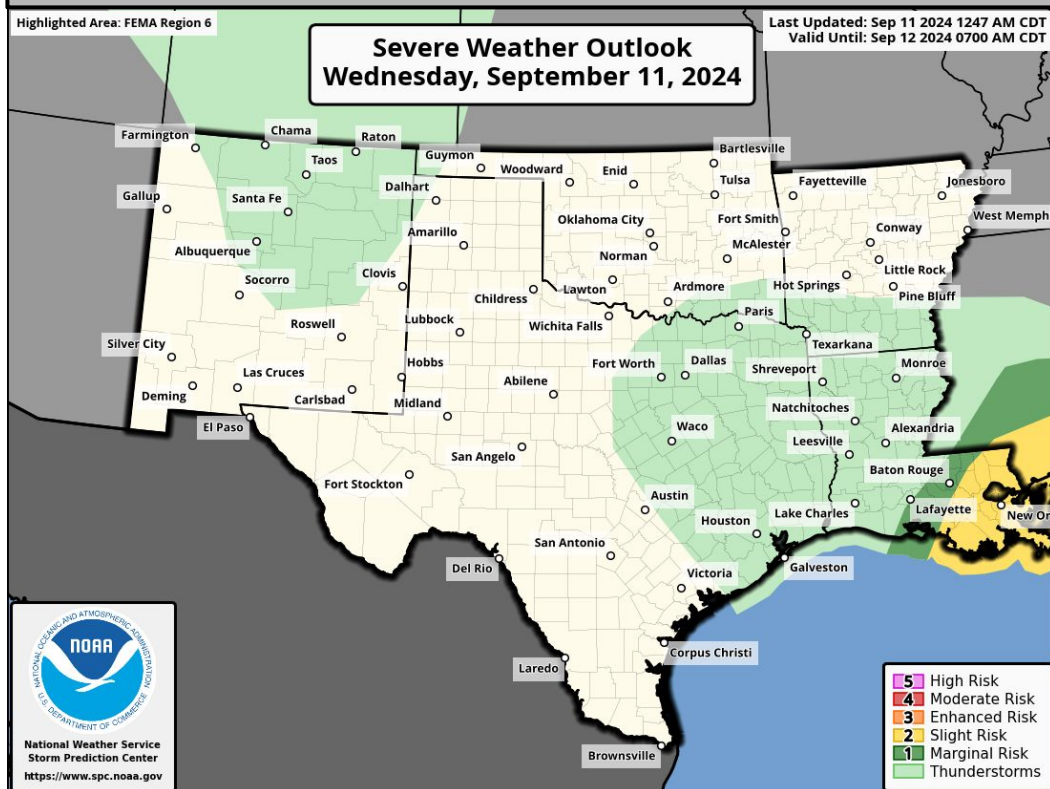
Forecast Rainfall



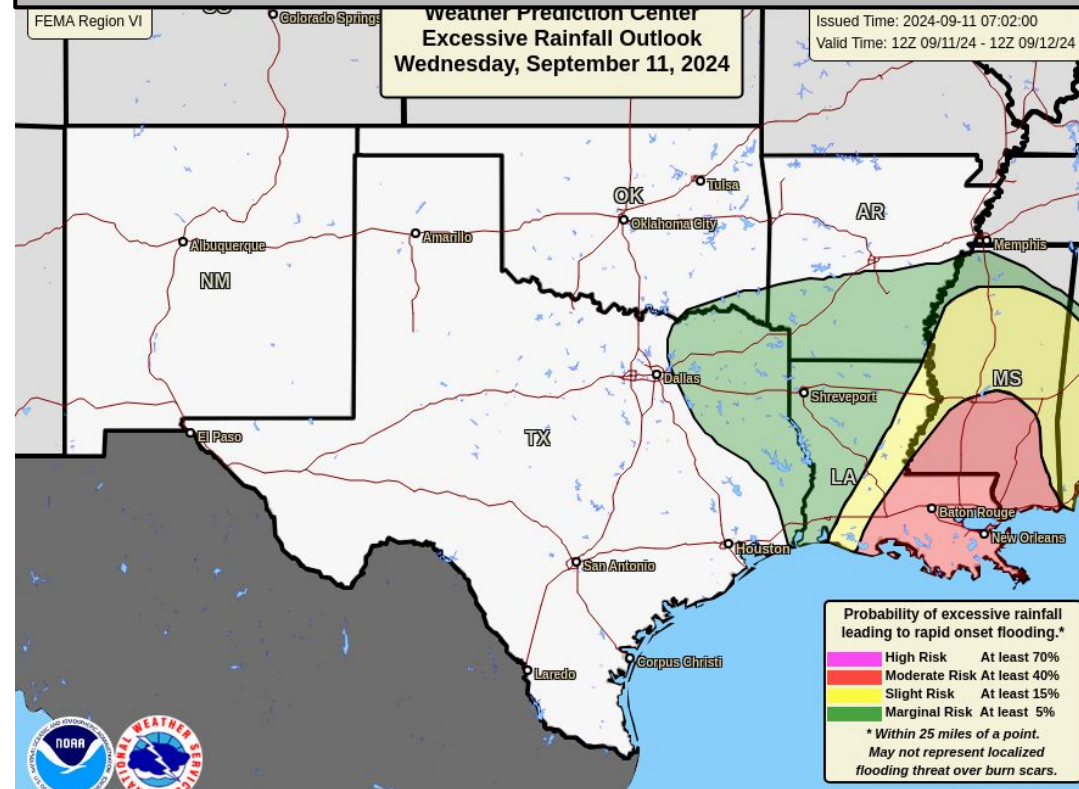
Moderate to slight risk for heavy rain/flash flooding for SE LA.

Slight risk area for severe thunderstorms/isolated tornadoes across SE LA.

Severe Weather Outlook



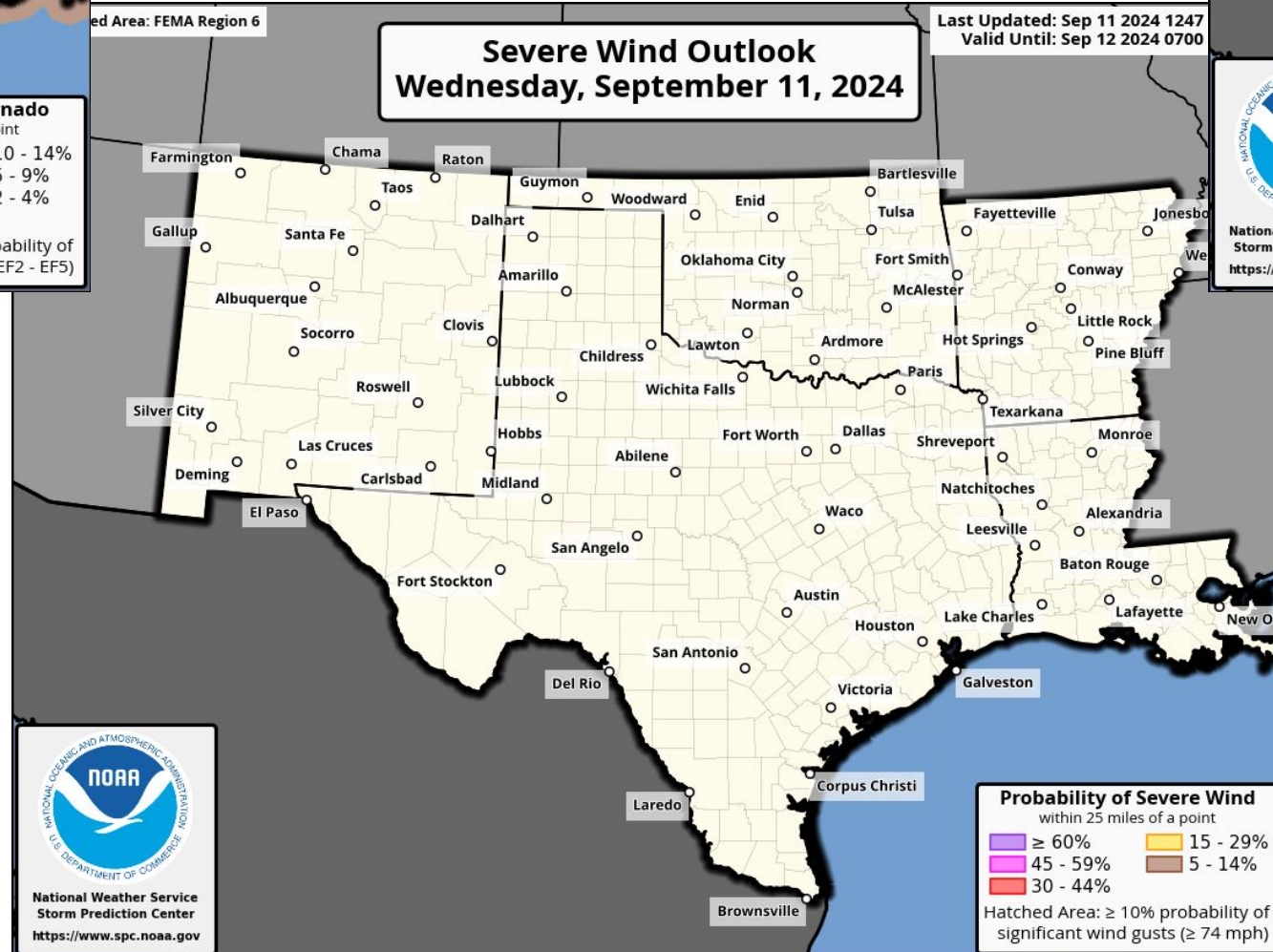
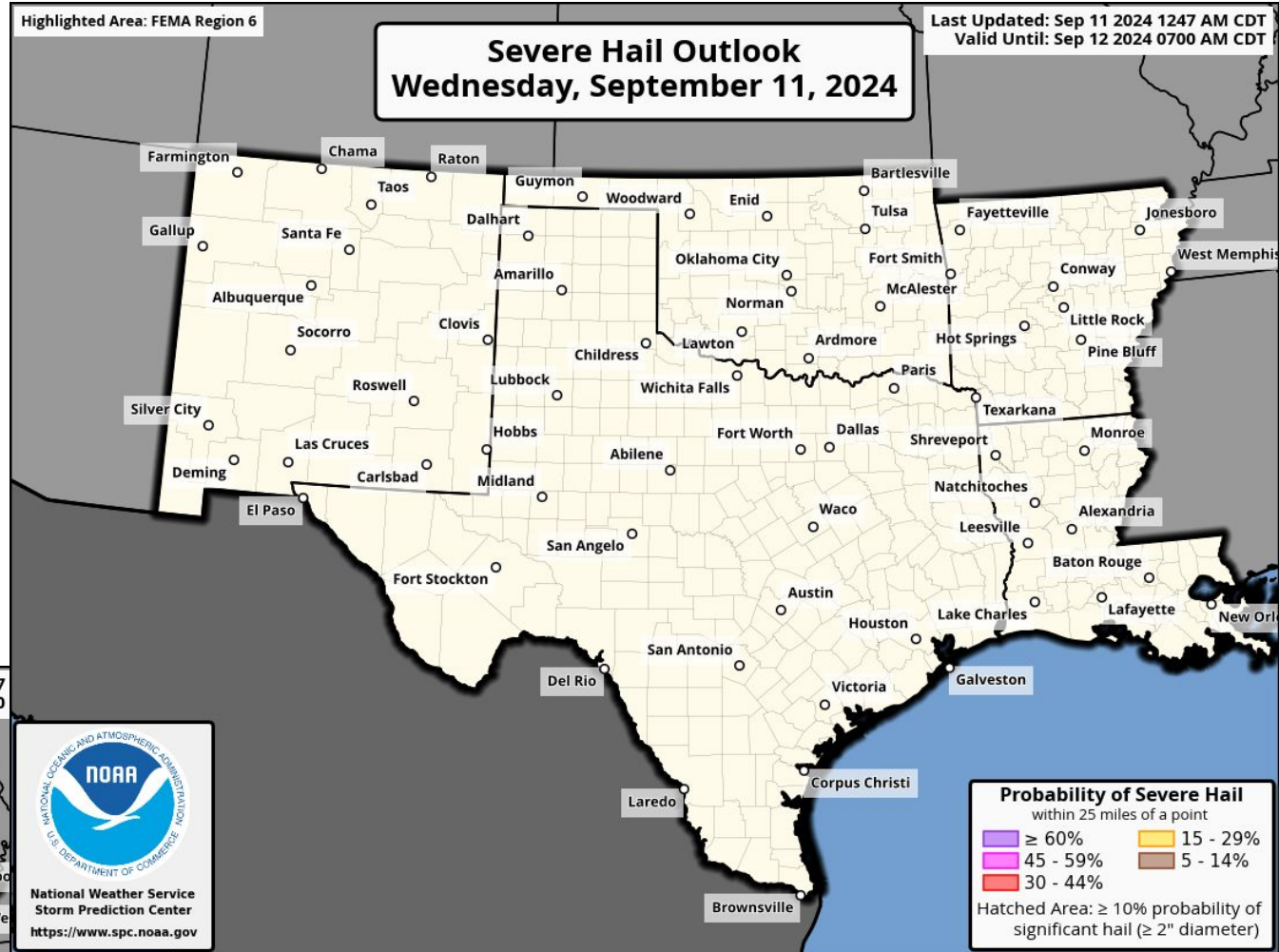
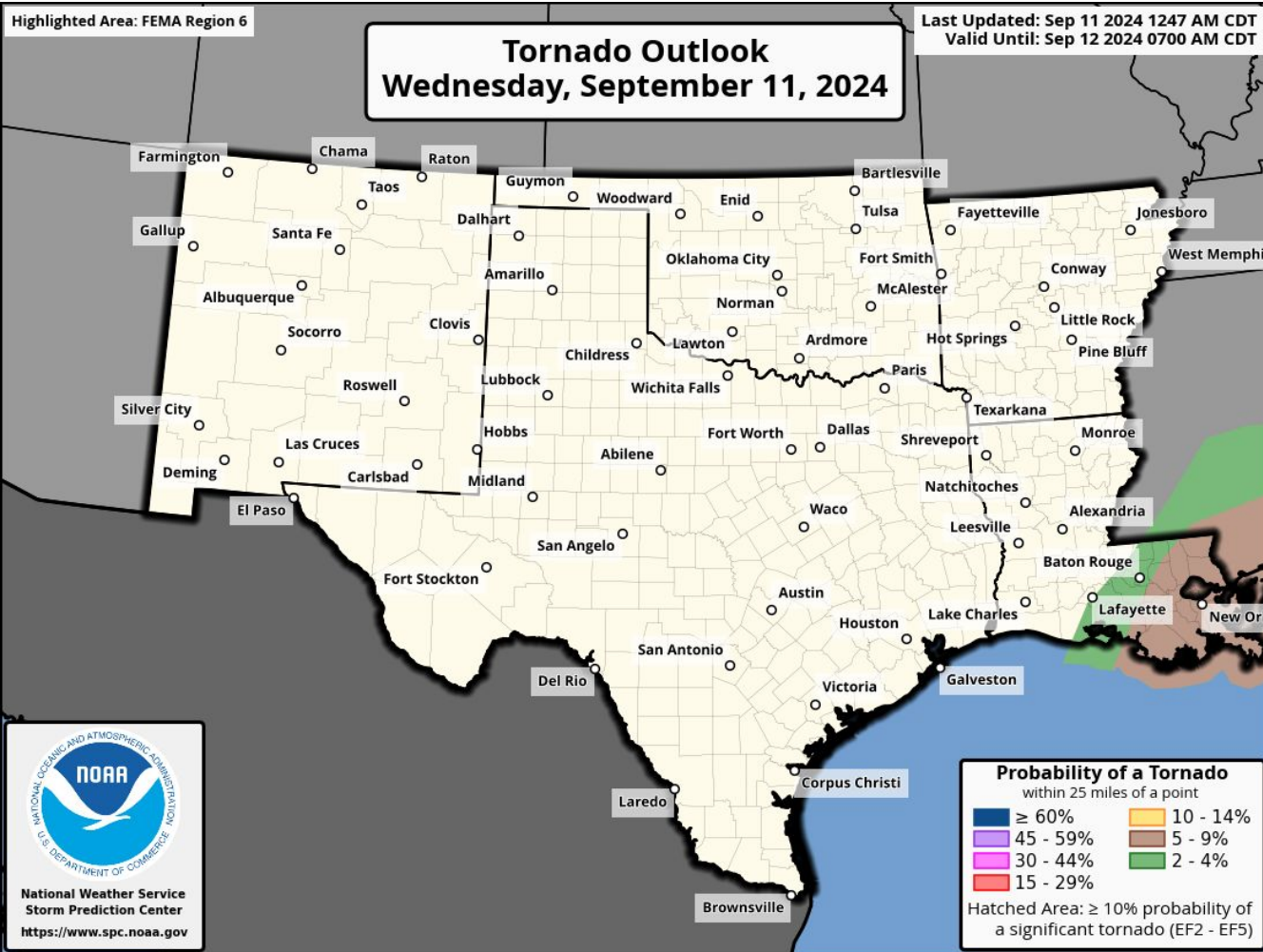
Excessive Rainfall Outlook





Today's Tornado & Severe Wind / Hail Probabilities

September 11, 2024

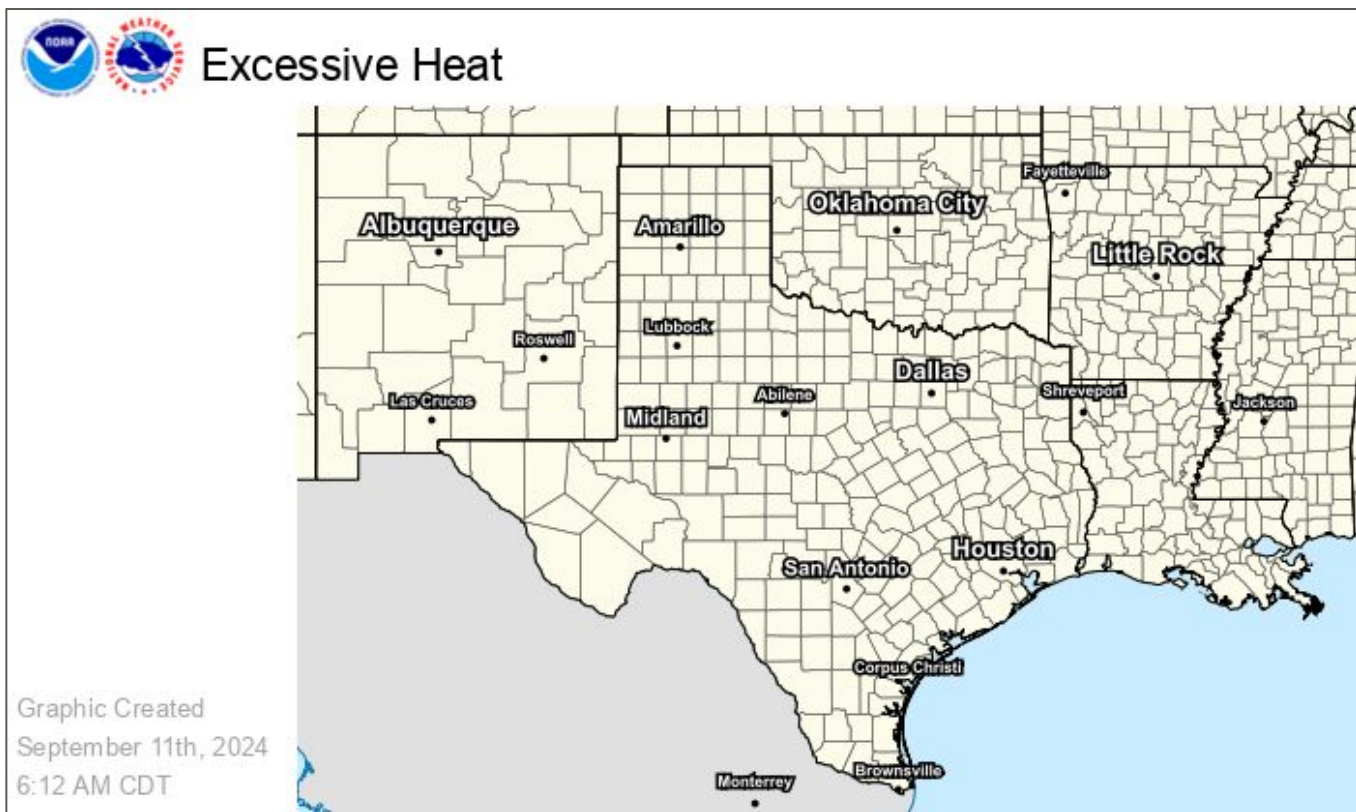




Watches, Warnings, and Advisories

Wind, Severe, Heat, and Flood Hazards

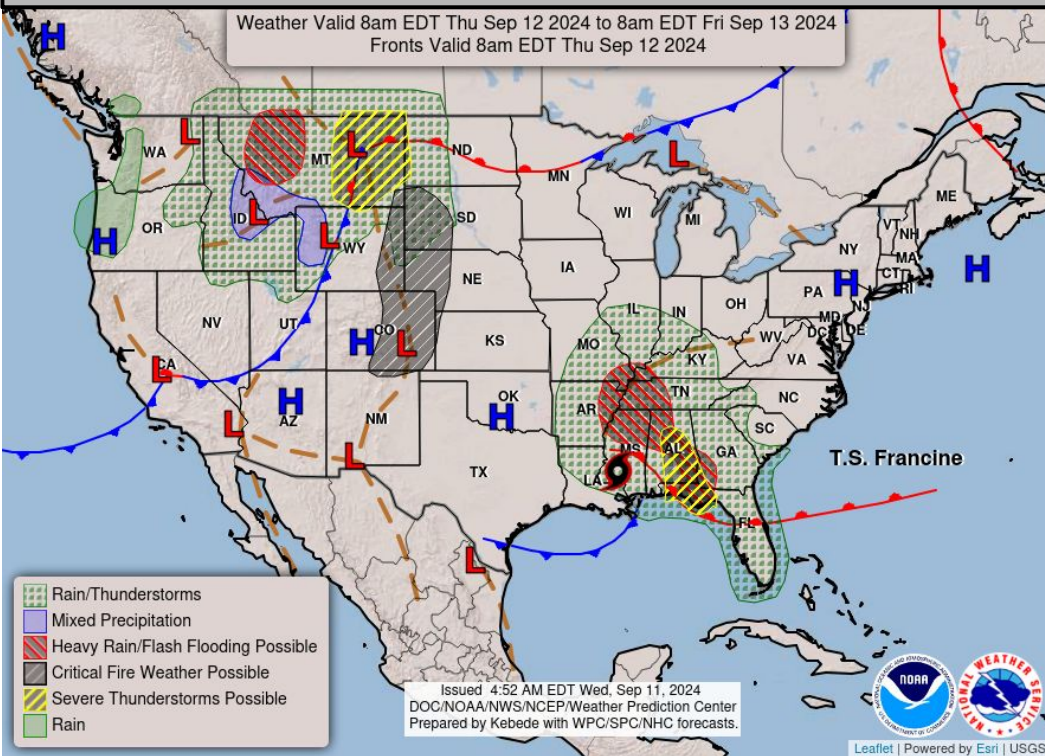
Flood Watches in effect for LA.



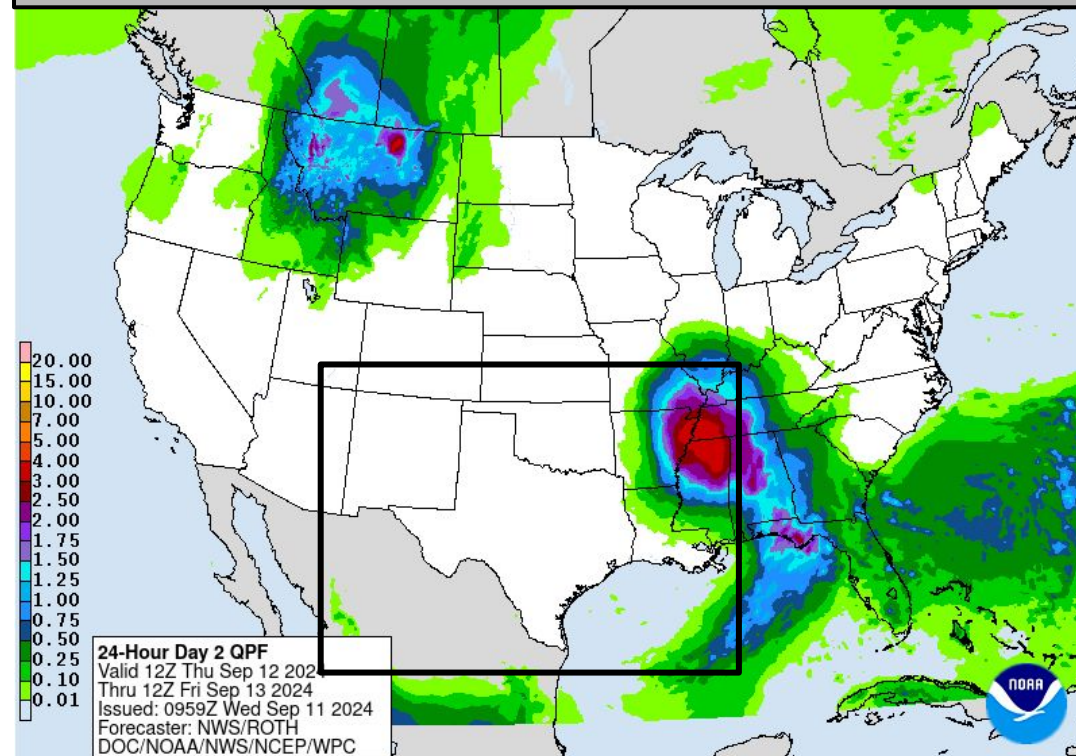


Tomorrow's Weather

Forecast Chart

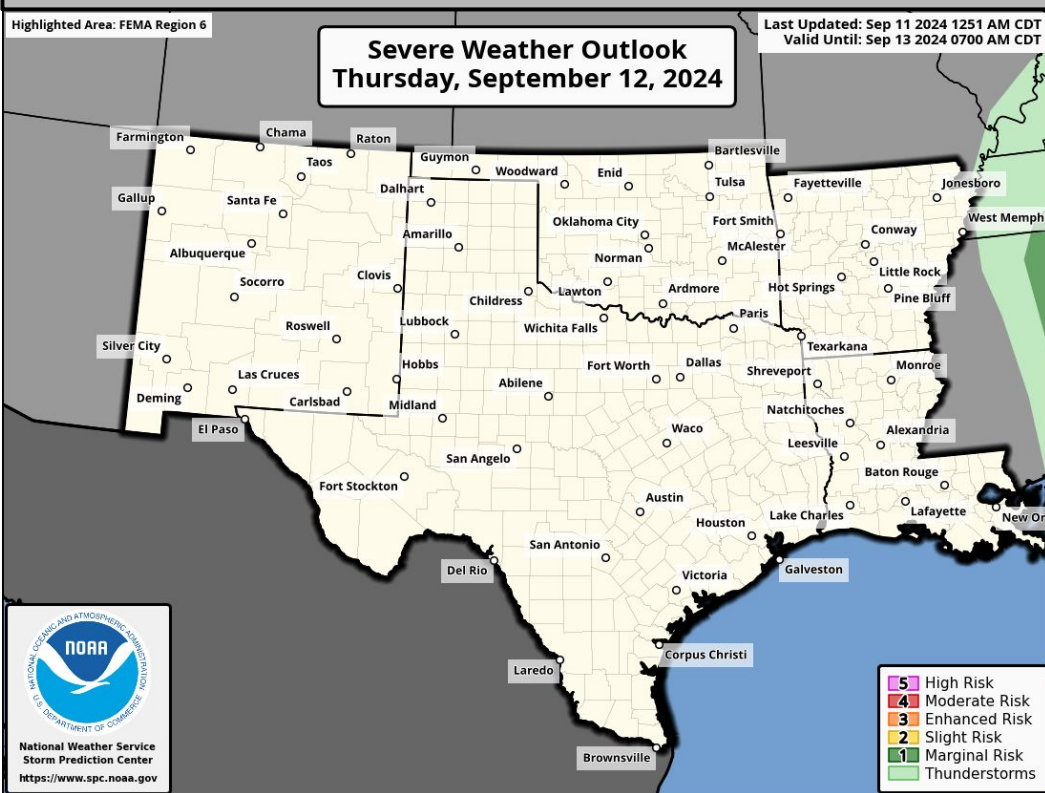


Forecast Rainfall

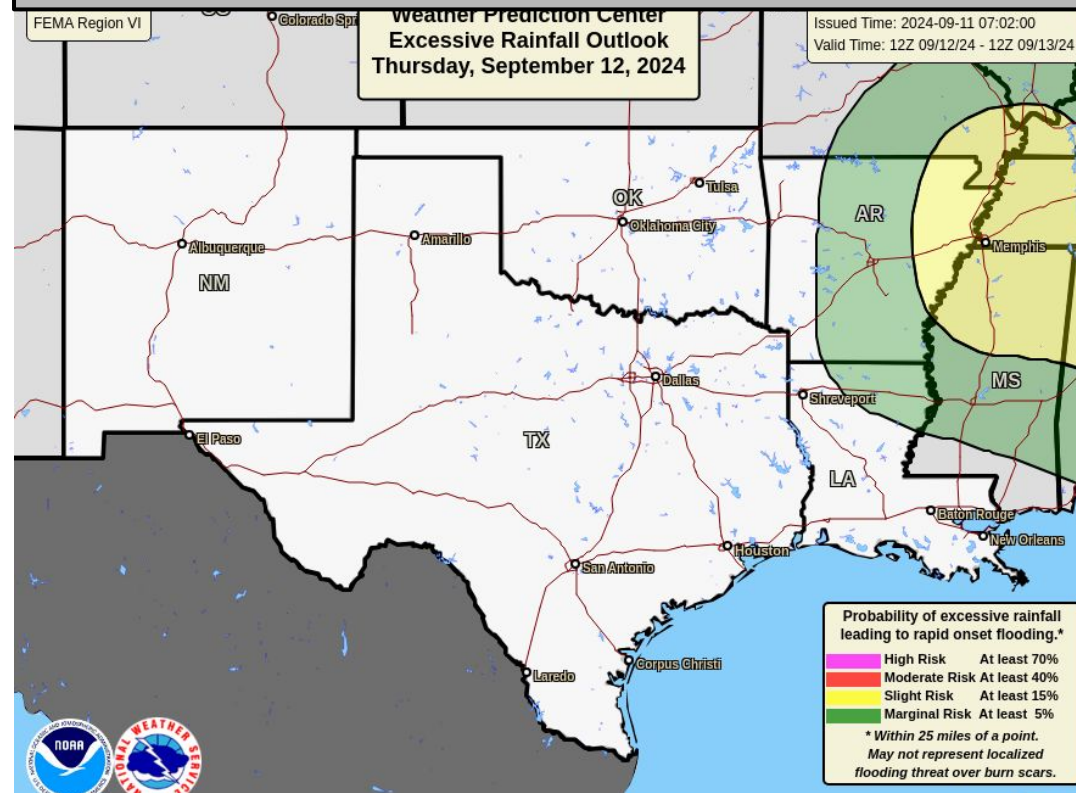


Slight risk for heavy rain/flash flooding across NE AR.

Severe Weather Outlook

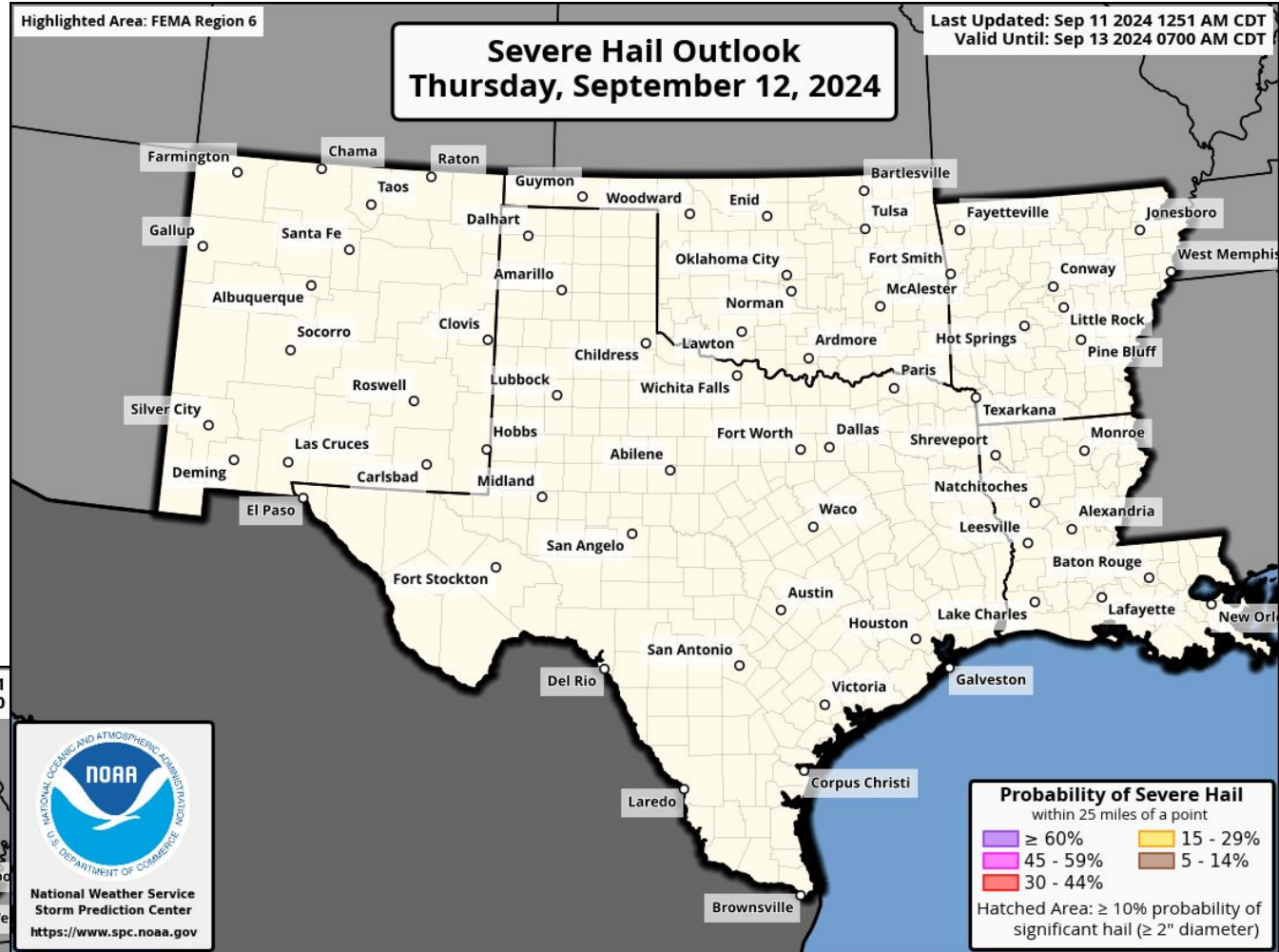
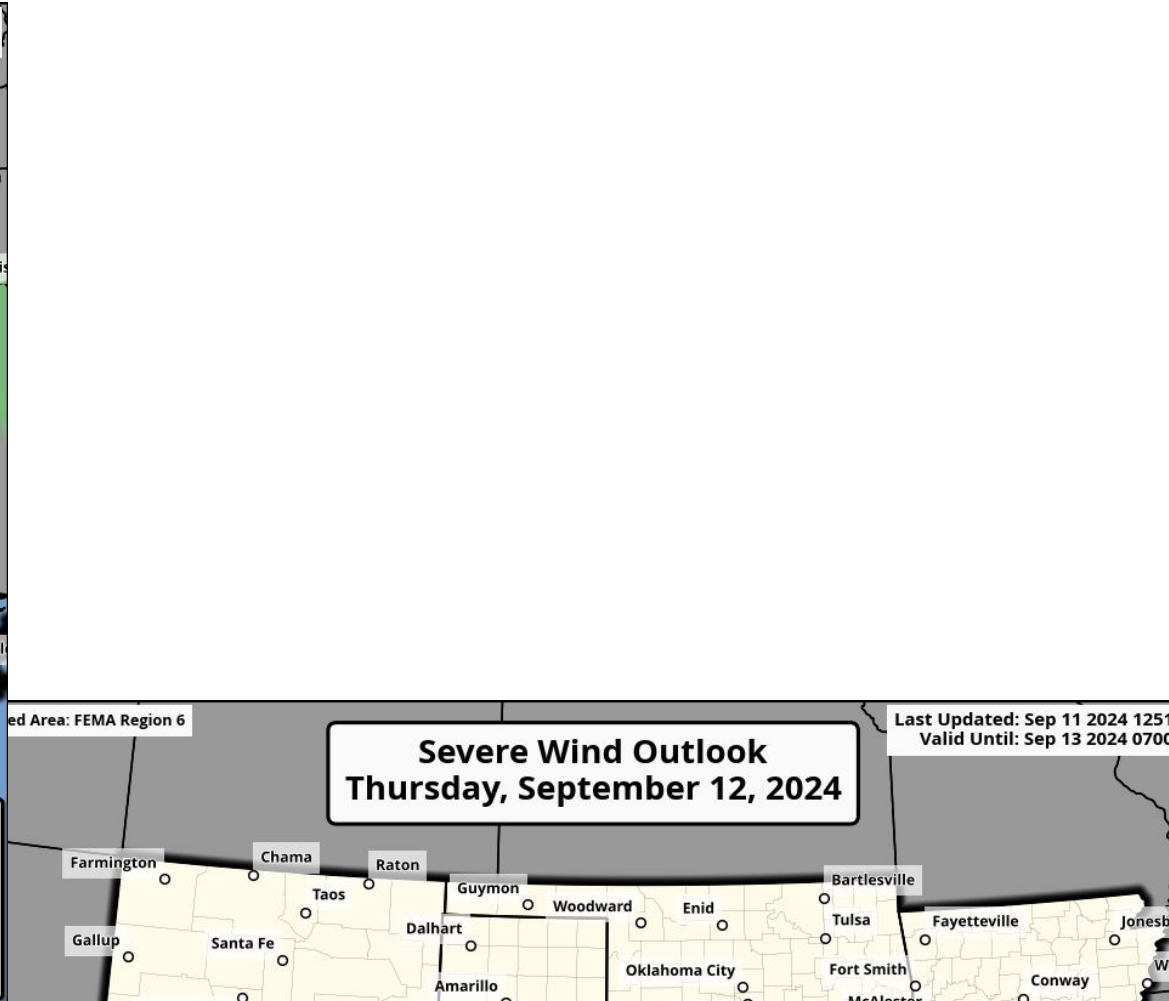
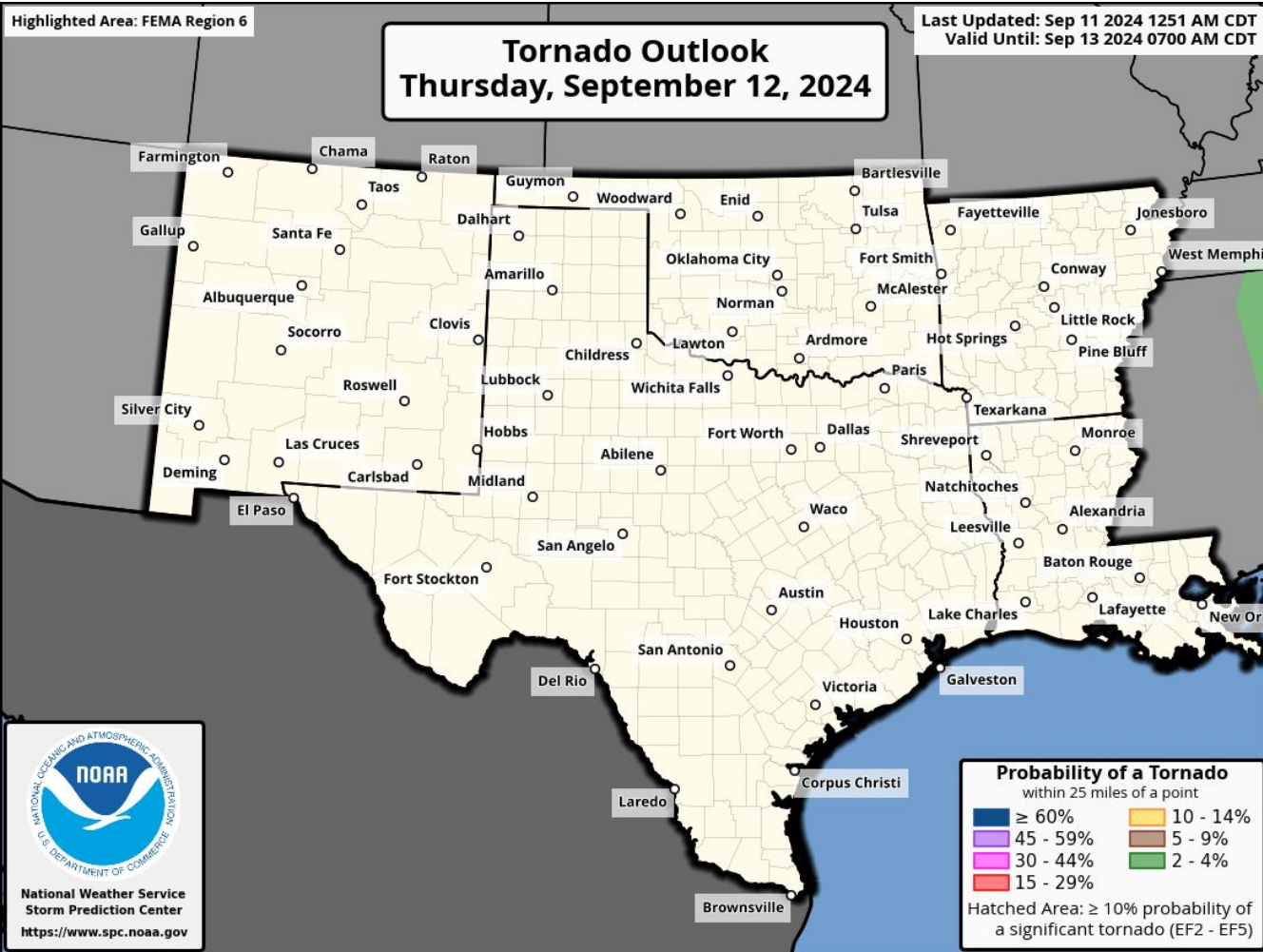


Excessive Rainfall Outlook





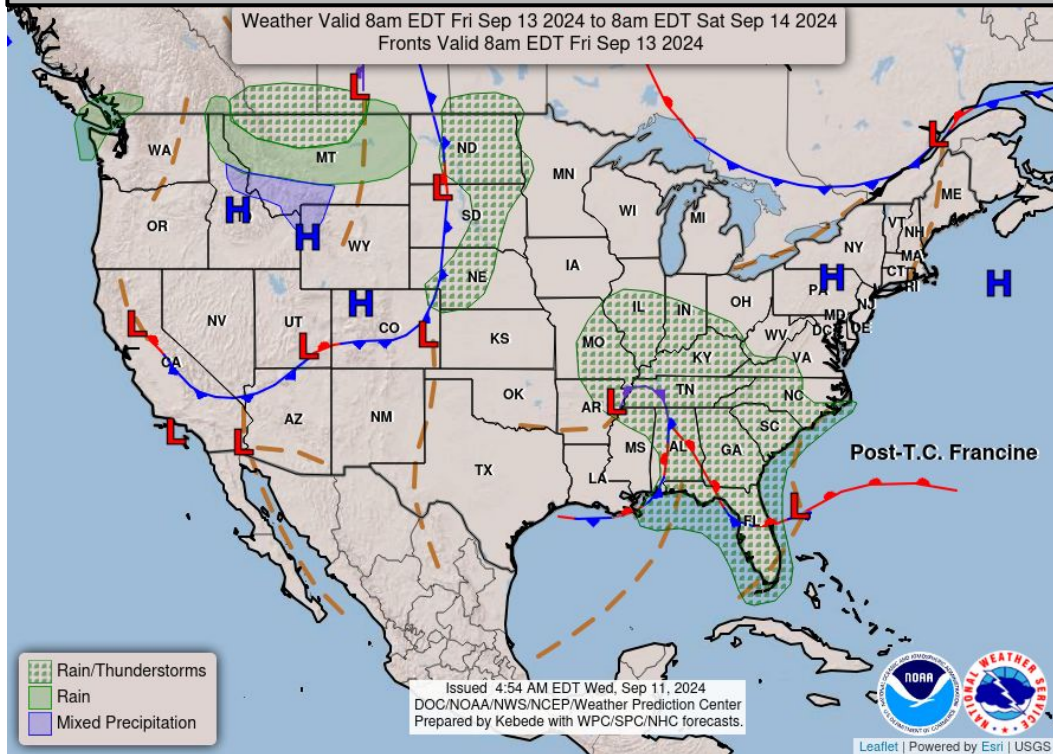
Tomorrow's Tornado & Severe Wind / Hail Probabilities



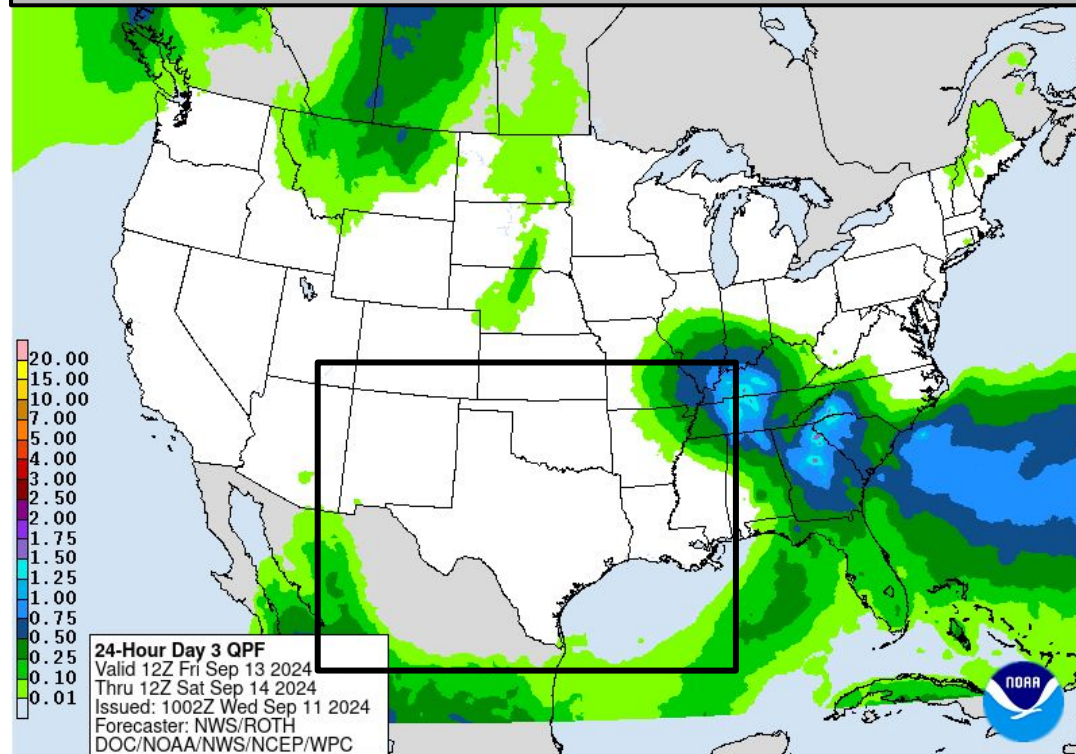


Friday's Weather

Forecast Chart

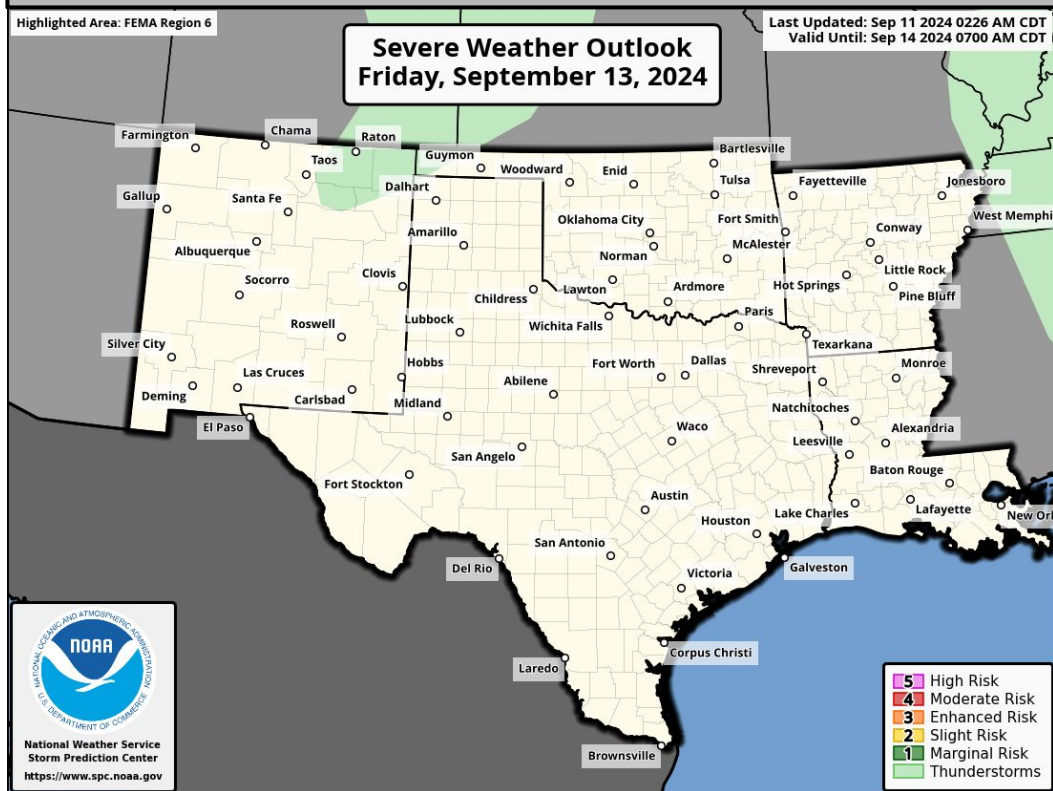


Forecast Rainfall

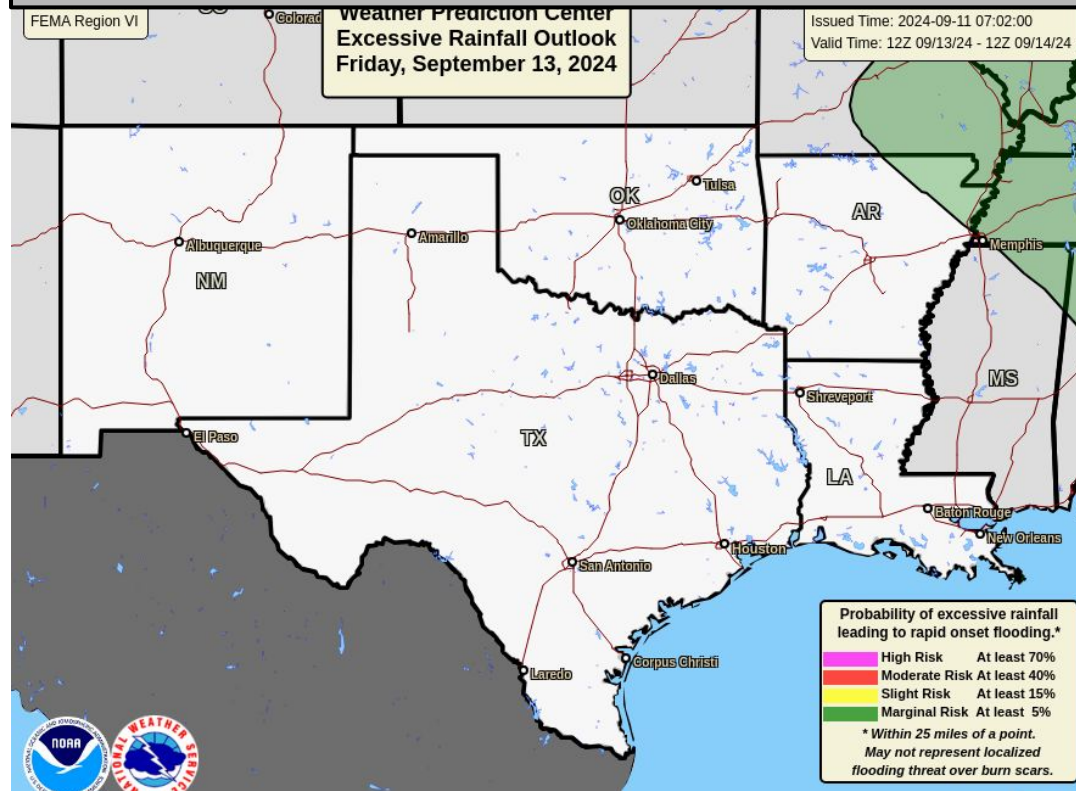


Marginal risk for heavy rainfall in NE AR.

Severe Weather Outlook



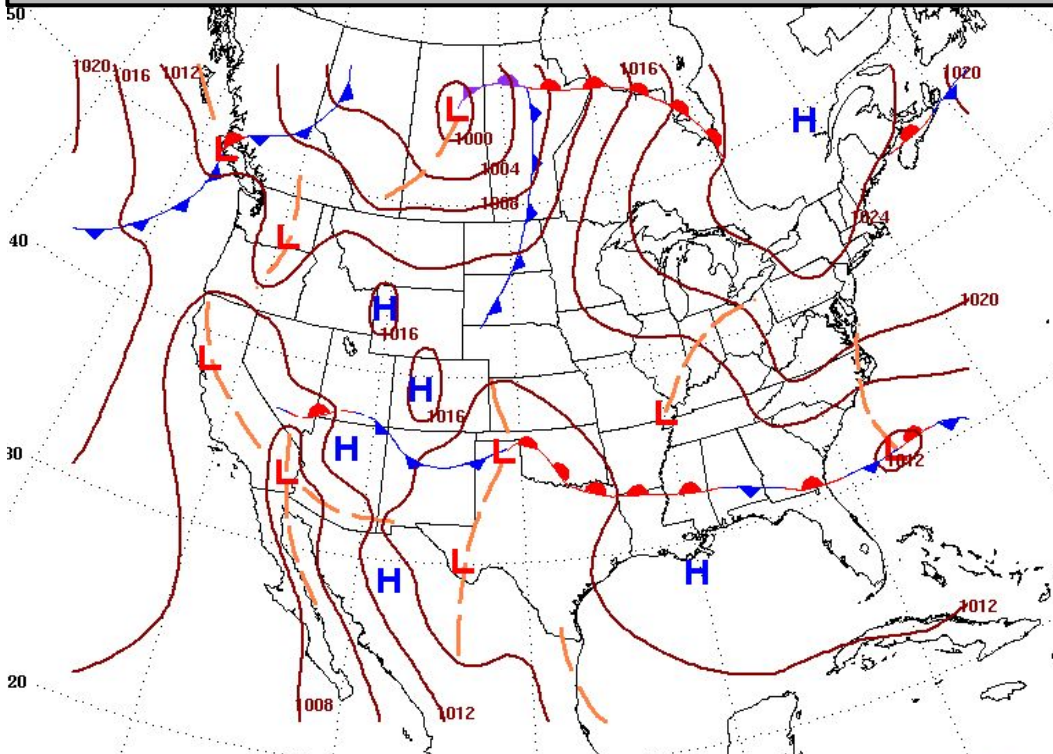
Excessive Rainfall Outlook



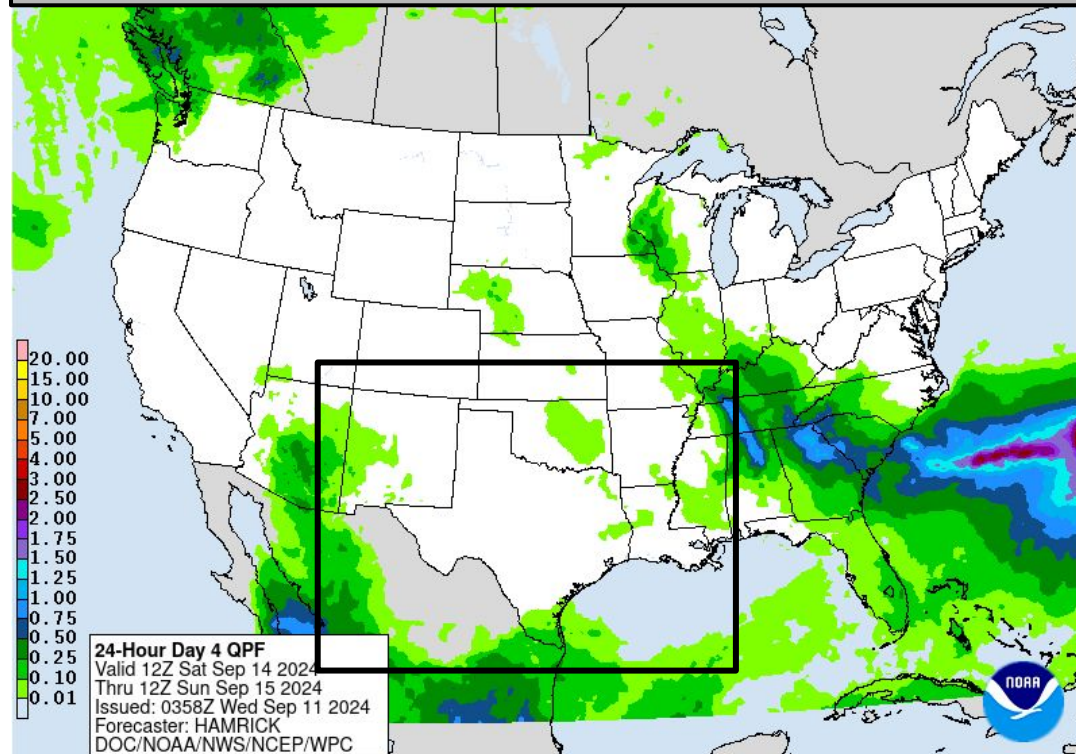


Saturday's Weather

Forecast Chart

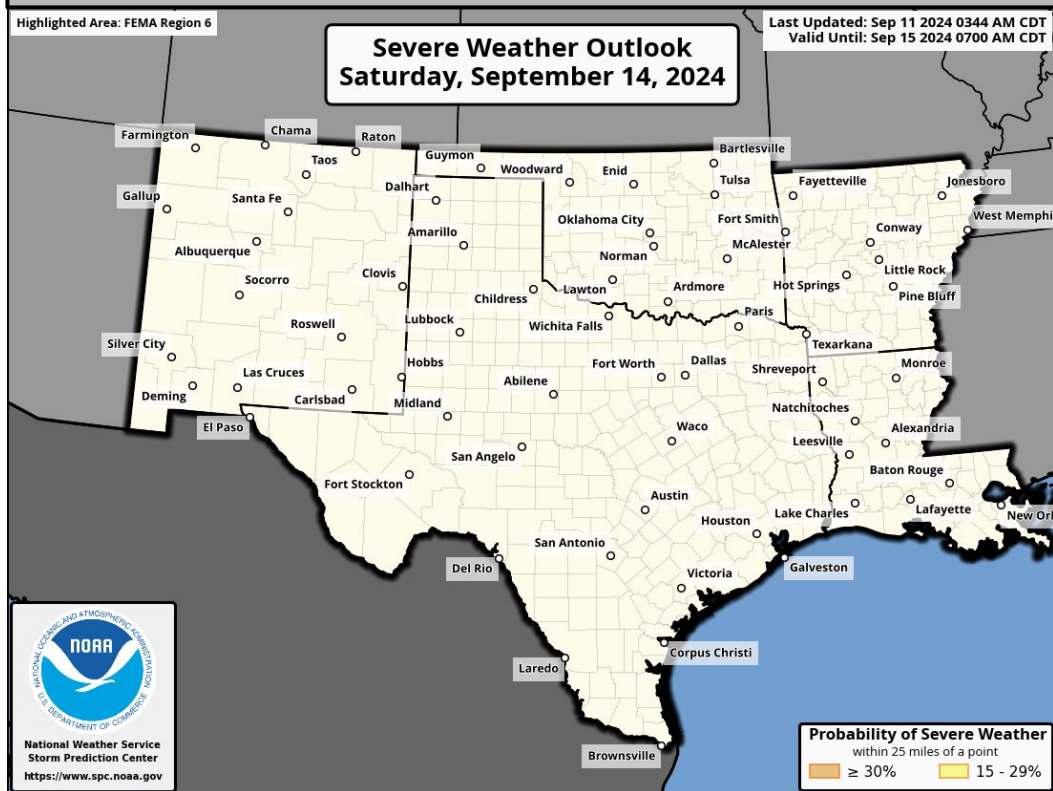


Forecast Rainfall

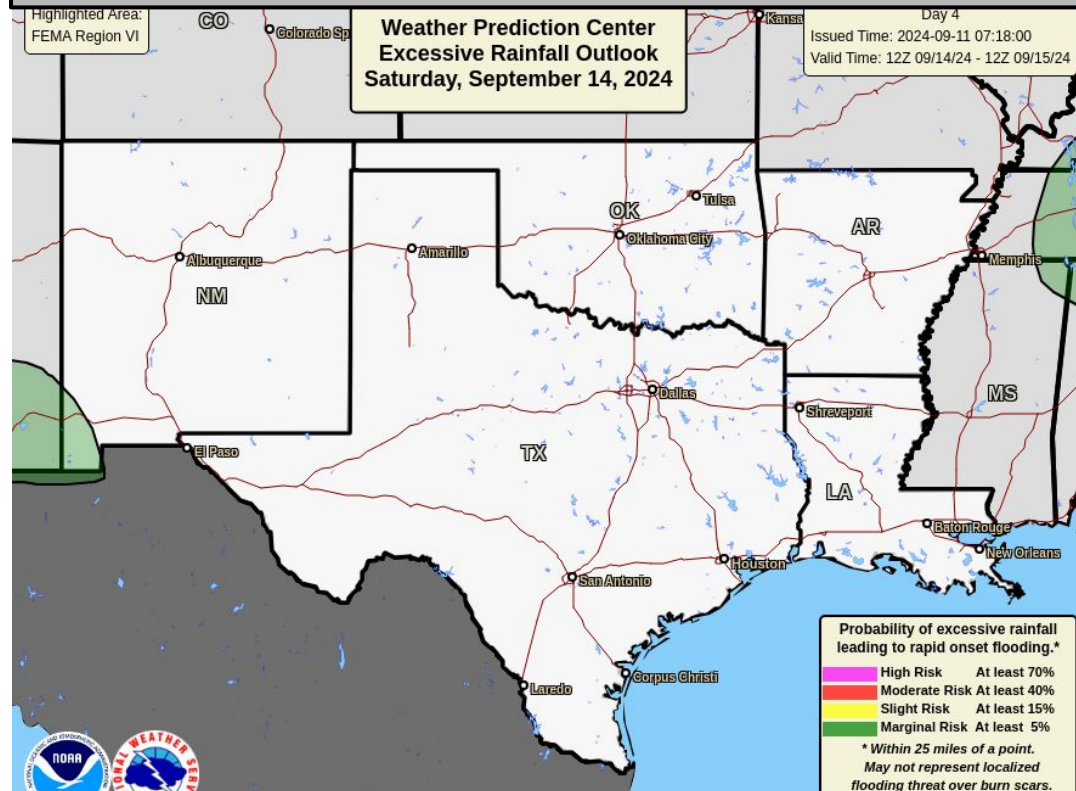


No significant weather expected.

Severe Weather Outlook



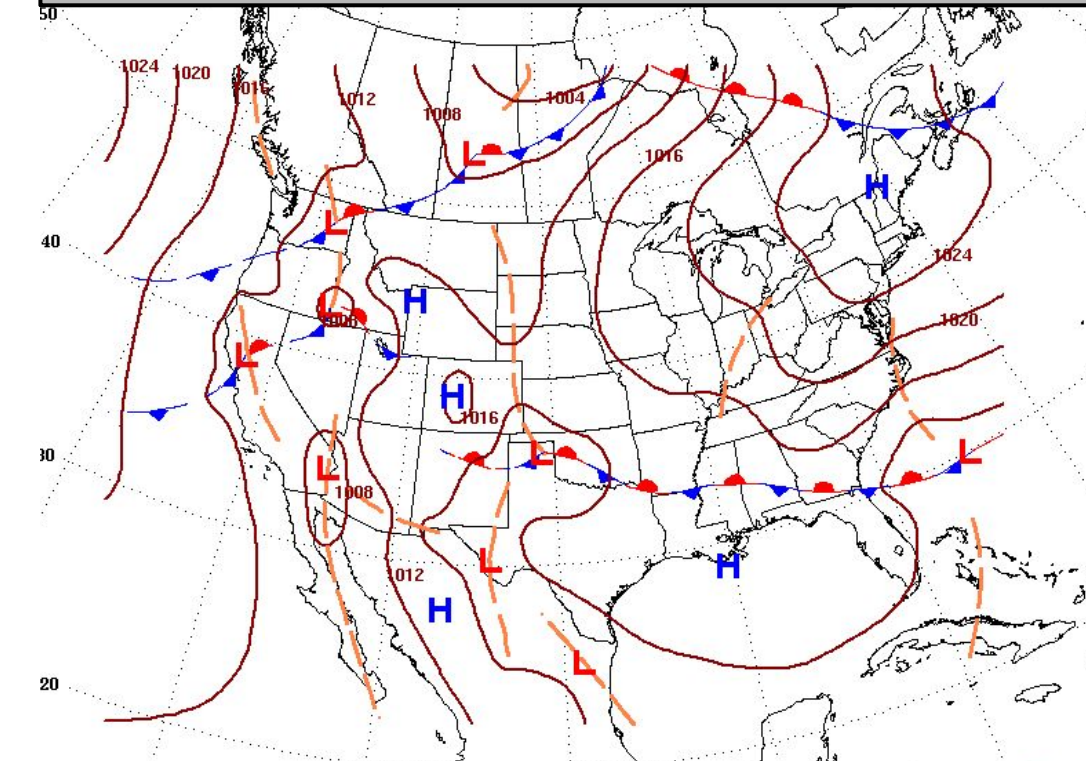
Excessive Rainfall Outlook



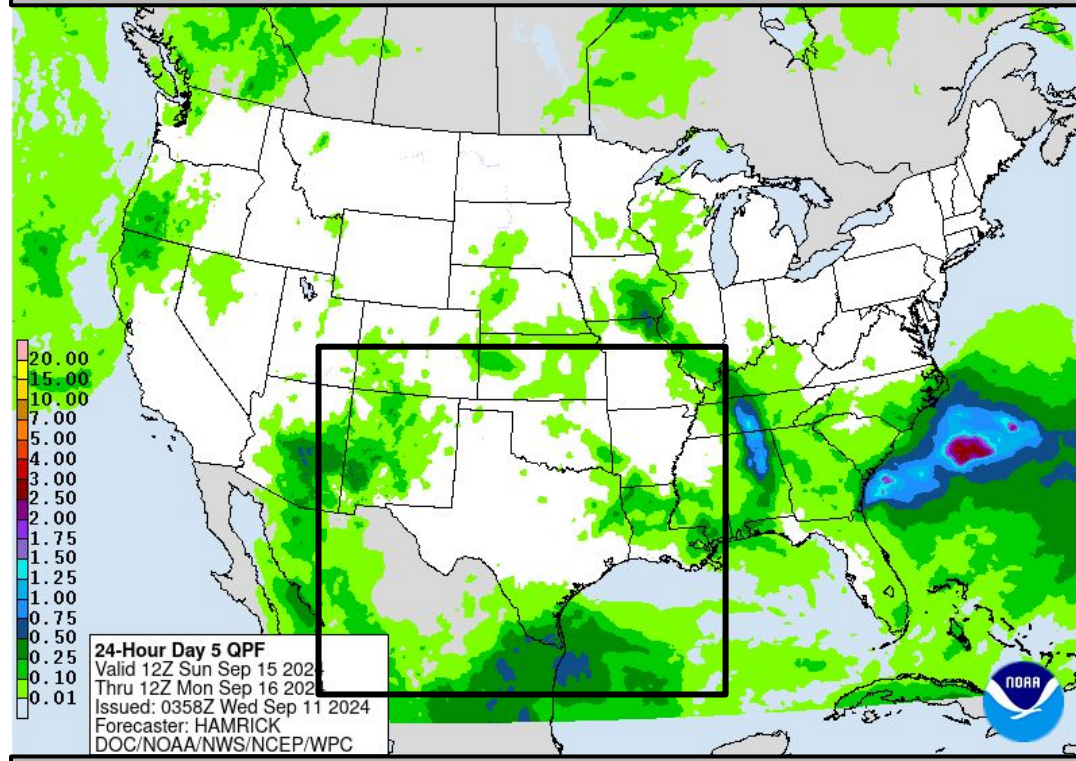


Sunday's Weather

Forecast Chart

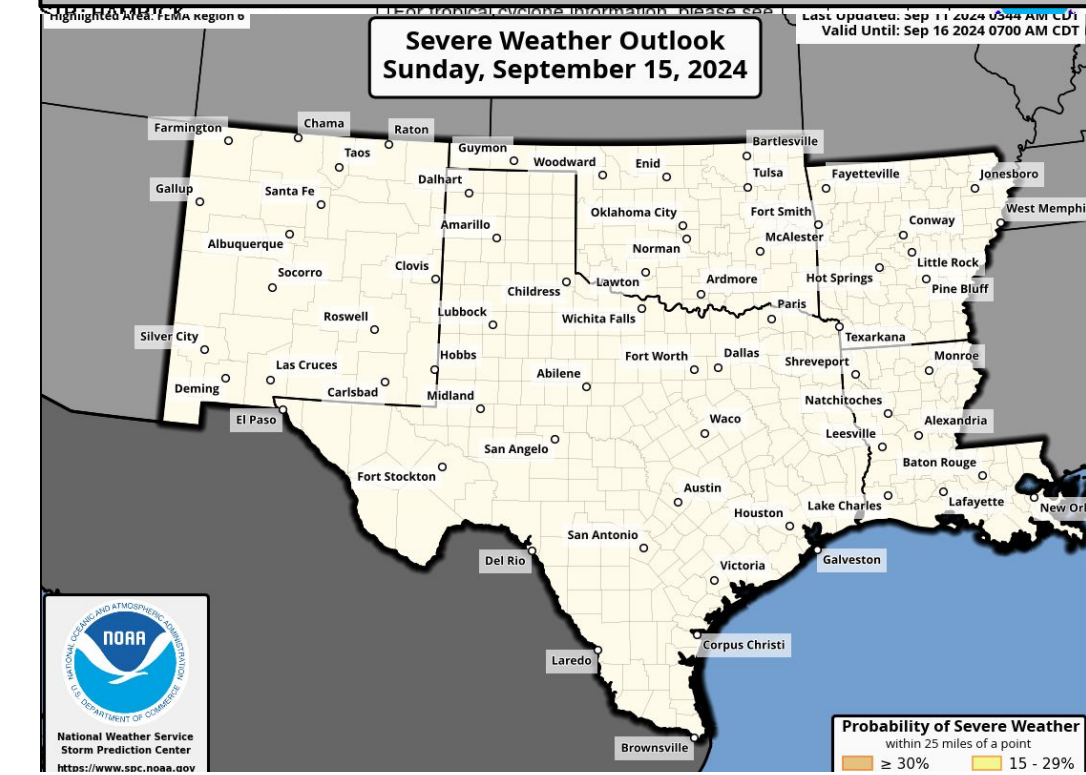


Forecast Rainfall

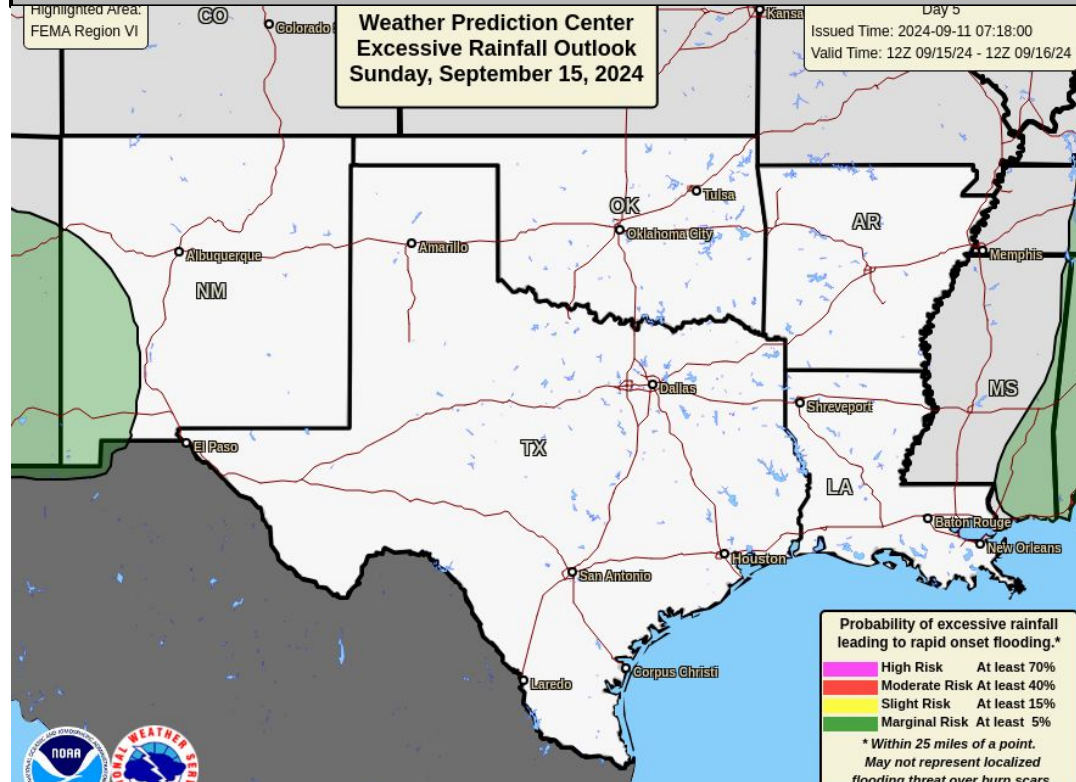


Low risk for heavy rainfall over NM burn scars.

Severe Weather Outlook

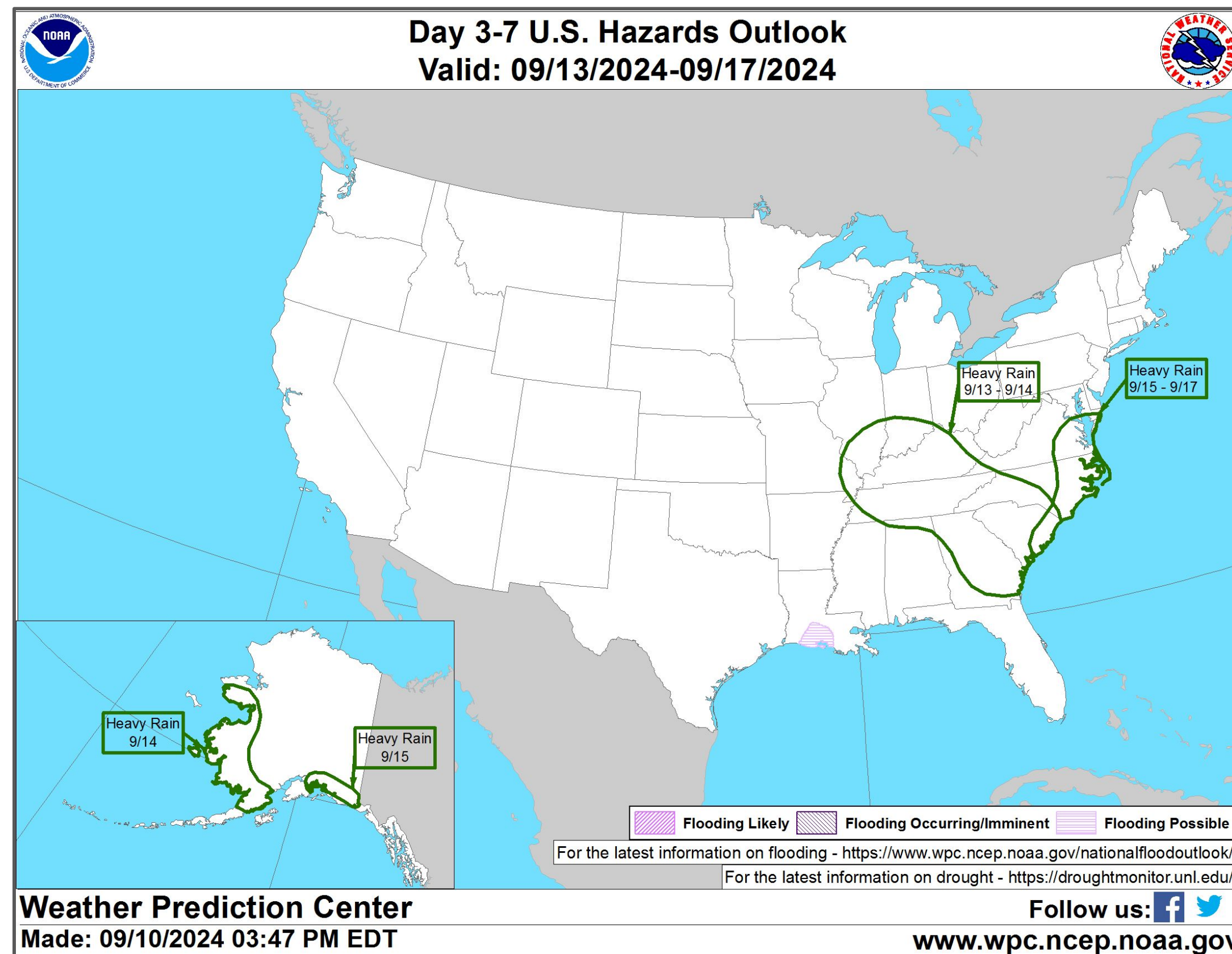


Excessive Rainfall Outlook





“Day 3-7” Hazards Outlook



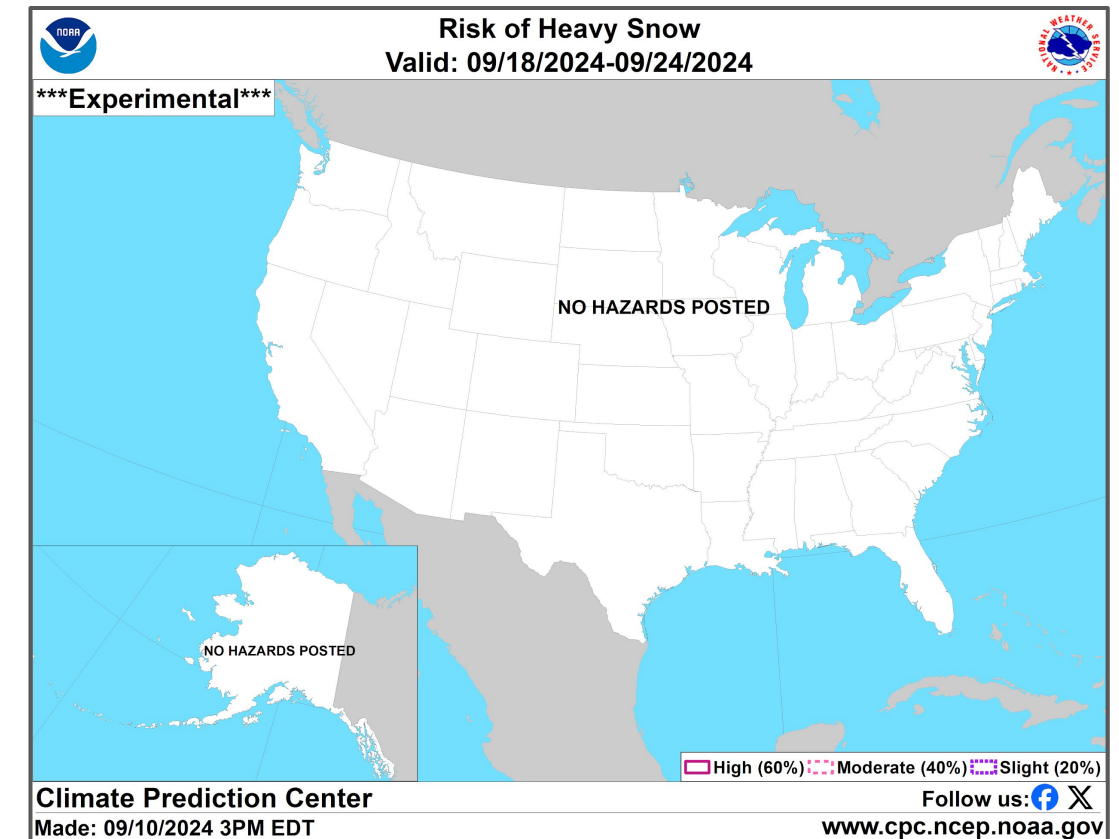
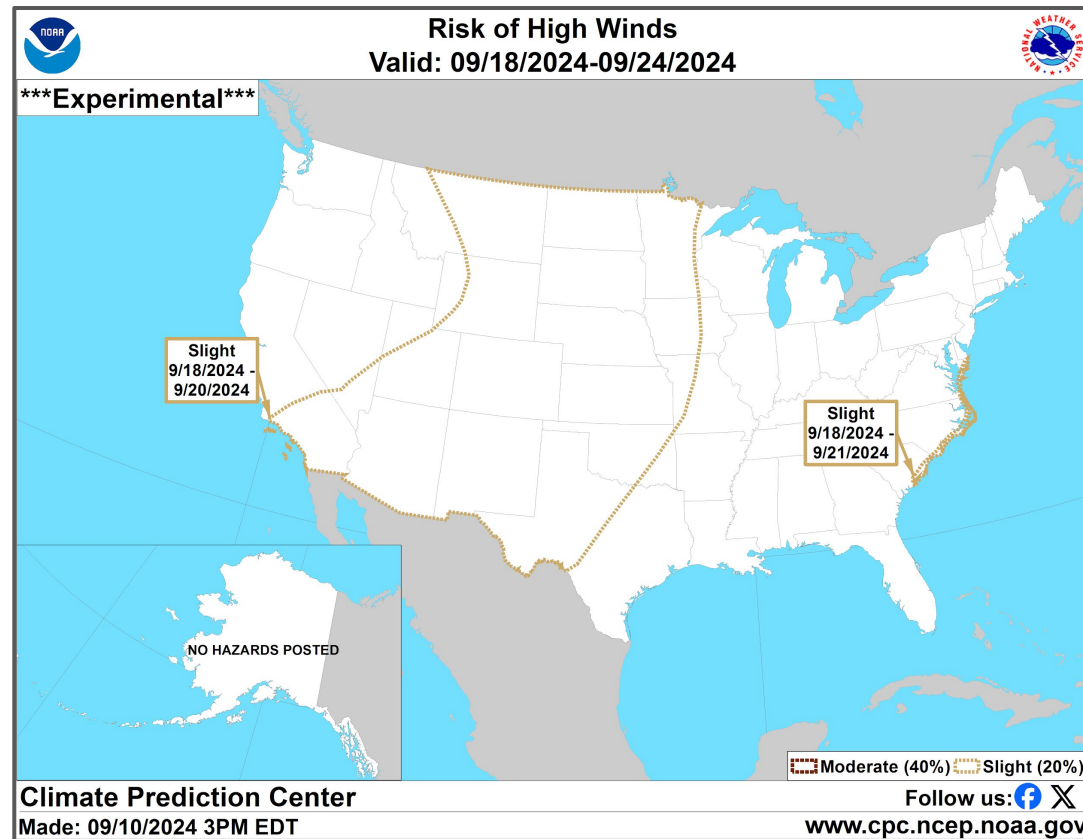
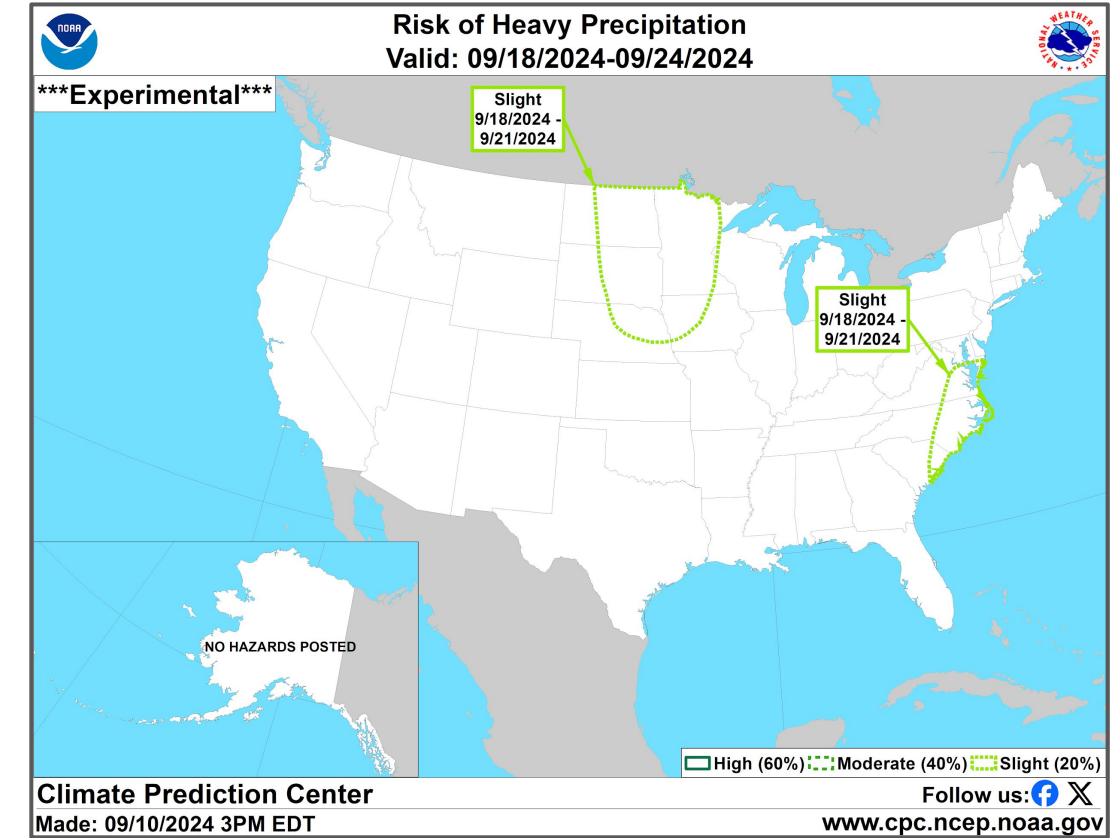
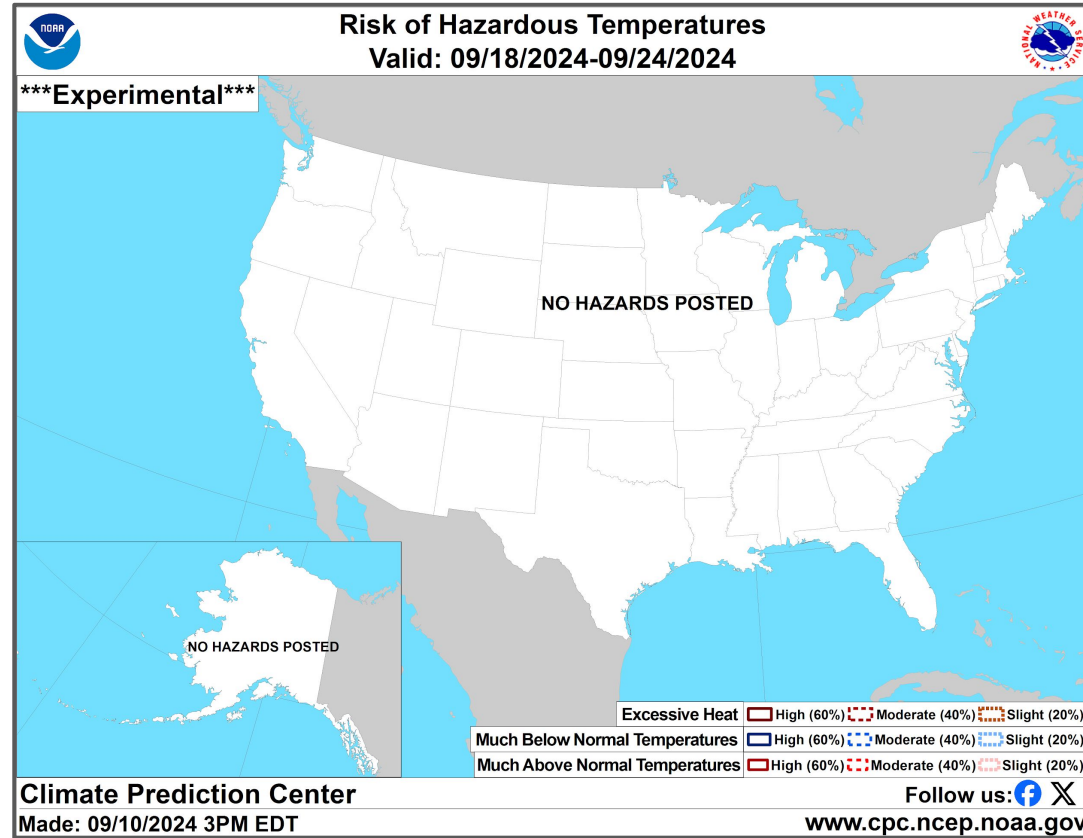
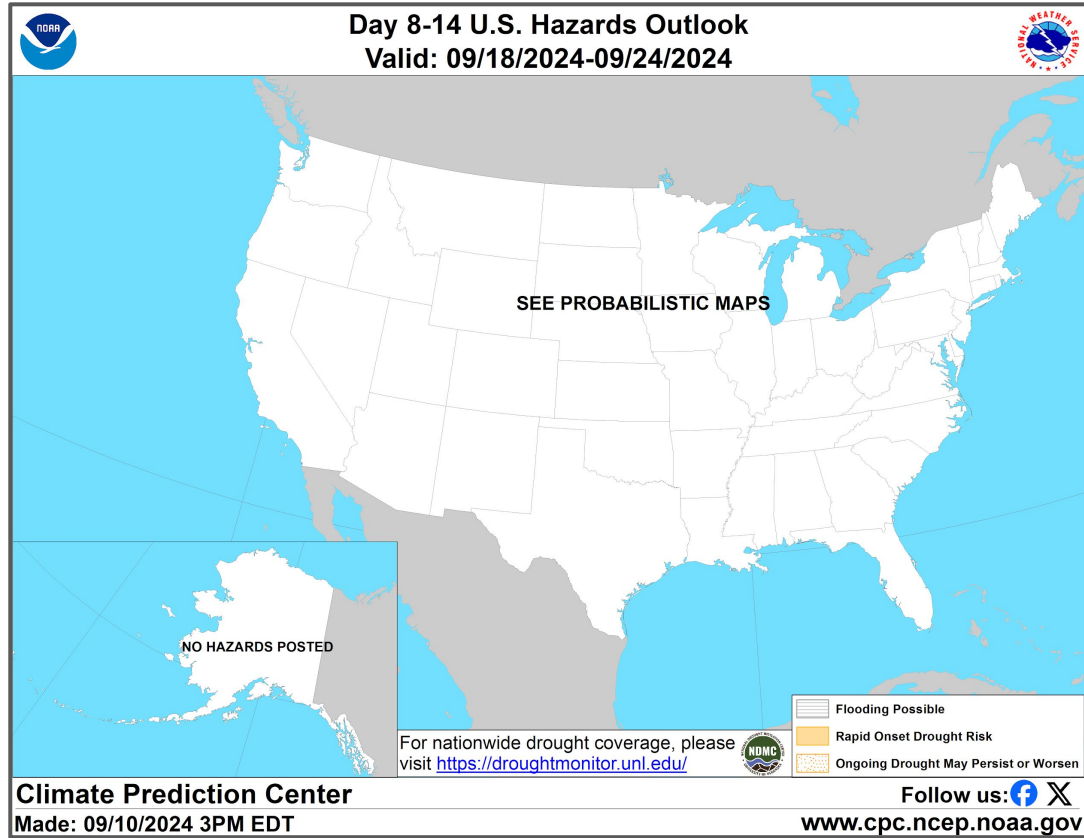
NOTE: These outlooks are issued in the afternoon and only issued on weekdays. Because of that and the fact that these slides are issued in the mornings:

1. The “day 3-7” will really be days 2-6
2. This slide will be hidden on Mondays and Sundays so the data/information is not too old

For additional information on this outlook go to <https://origin.wpc.ncep.noaa.gov/threats/threats.php>



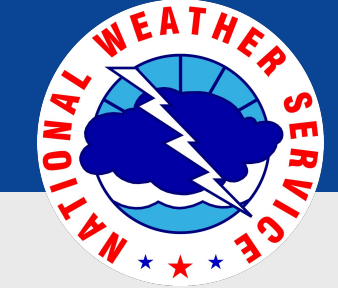
“Day 8-14” Hazards Outlook



NOTE: These outlooks are issued in the afternoon and only issued on weekdays. Because of that and the fact that these slides are issued in the mornings:

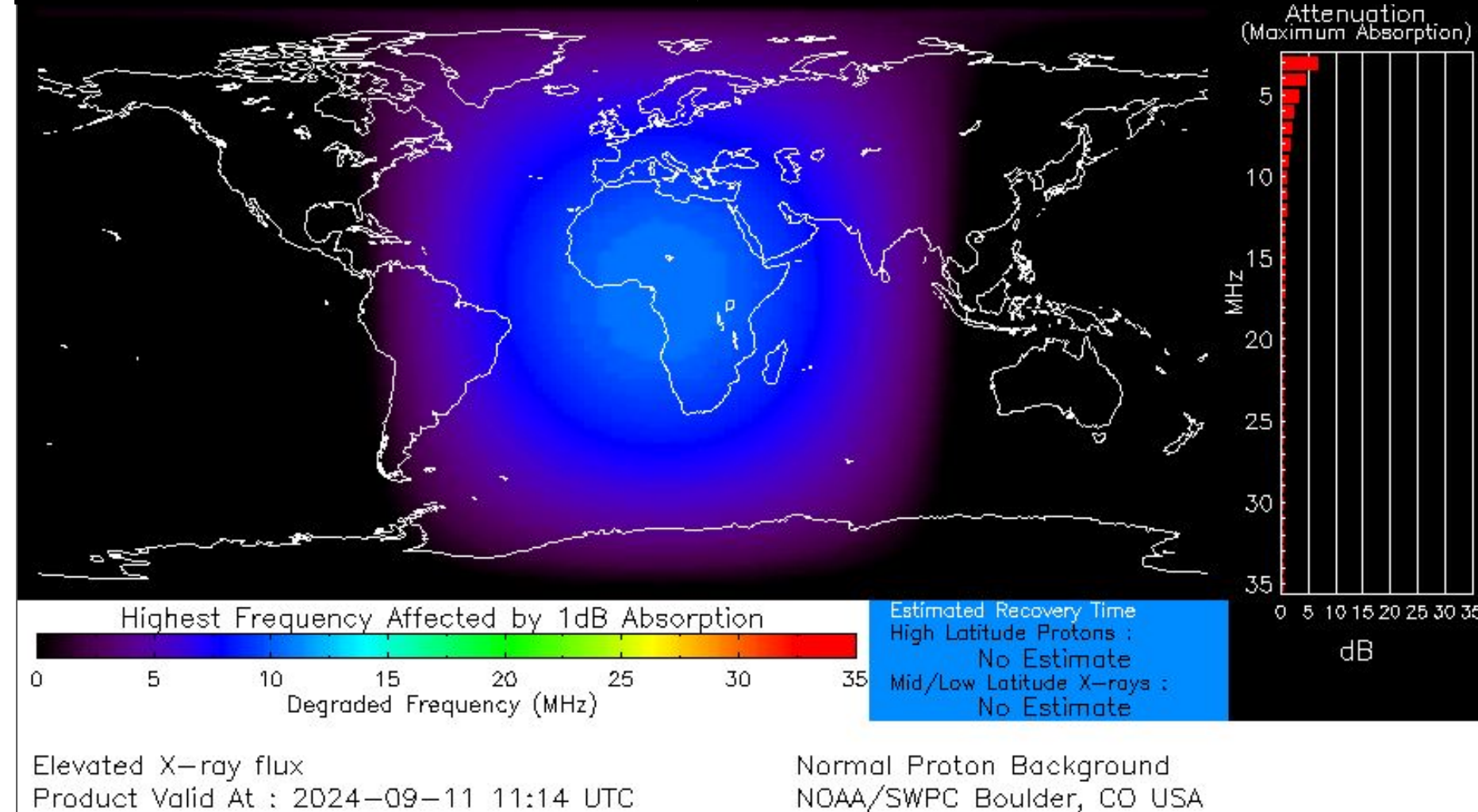
1. The “day 8-14” will really be days 7-13
2. This slide will be hidden on Mondays and Sundays so the data/information is not too old

For additional information on this outlook go to <https://www.cpc.ncep.noaa.gov/products/predictions/threats/threat.php>



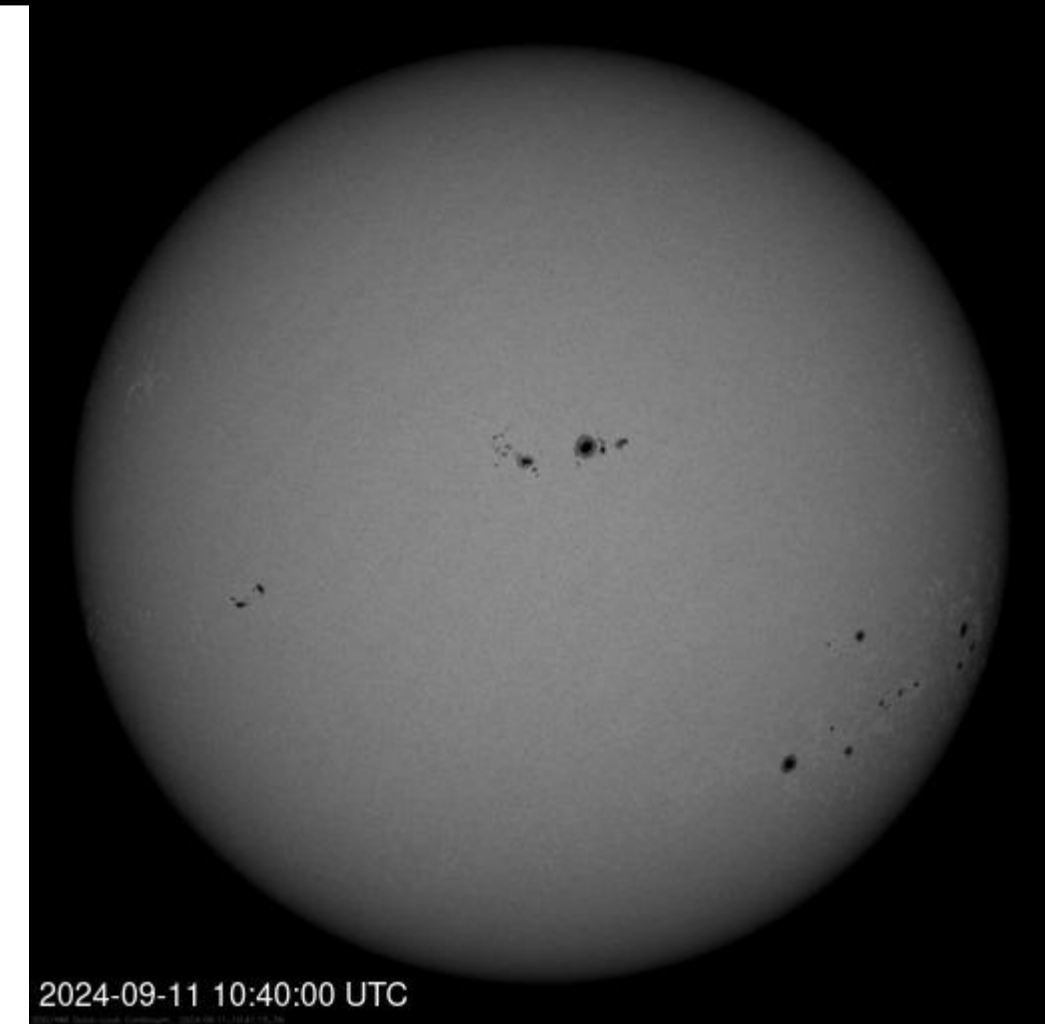
Space Weather 3-Day Forecast

	Wednesday, Sep 11	Thursday, Sep 12	Friday, Sep 13
Geomagnetic Storms	Unsettled (Max Kp = 3)	Moderate (G2) Storm (Max Kp = 6)	Active (Max Kp=4)
Solar Radiation Storm (S1-S5)	50%	50%	20%
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>	<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"> 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>	<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"> 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>	<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"> 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>	<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"> 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>	<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"> 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



National Weather Service

Southern Region Headquarters

Regional Operations Center

Fort Worth, TX



Phone: (682) 703-3747



Facebook: NWSSouthern



E-mail: sr-srh.roc@noaa.gov

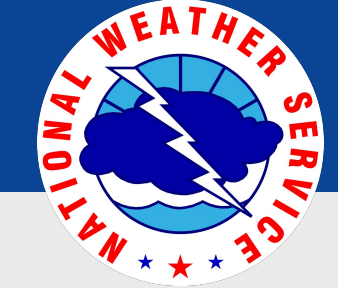


Twitter: NWSSouthern



Web: www.weather.gov/srh





Hurricane Francine 5-Day

September 11, 2024
3:34 AM

****Add Weather/Water Message (optional)****

