



FEMA



Prepared by
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Tuesday September 22, 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.



- **Beta will move slowly along the mid to upper TX coast today and into SE TX/SW LA tomorrow.**
 - **Areas of heavy rain/flash flooding expected today for SE TX into the SW and S-Central LA coast.**
 - **Flash flood threat decreases after today; Slight Risk of flash flooding on Wednesday for extreme SE TX into LA and for SE LA on Thursday.**
 - **Coastal flooding of roads and low lying property for the mid to upper TX coast and the LA coast today, possibly into tomorrow.**
 - **Brief/weak tornado risk today for the Upper TX coast into the SW & S-Central LA coast.**

FEMA Region 6 Threat Matrix

Sep 22, 2020 - Sep 26, 2020



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DAY / THREAT	Tue	Wed	Thu	Fri	Sat
Severe Storms	Upper TX coast SW&S-Cntrl LA coast				
Heavy Rain / Flash Flooding	SETX SW&S-Cntrl LA coast	Extreme SE TX LA	SE LA		
Fire Weather					
Tropical Winds / Surge	Mid-Upper TX coast LA coast				
Winter Weather					
River Flooding	SETX/SW LA	SETX/SW LA	SETX/SW LA	SETX/SW LA	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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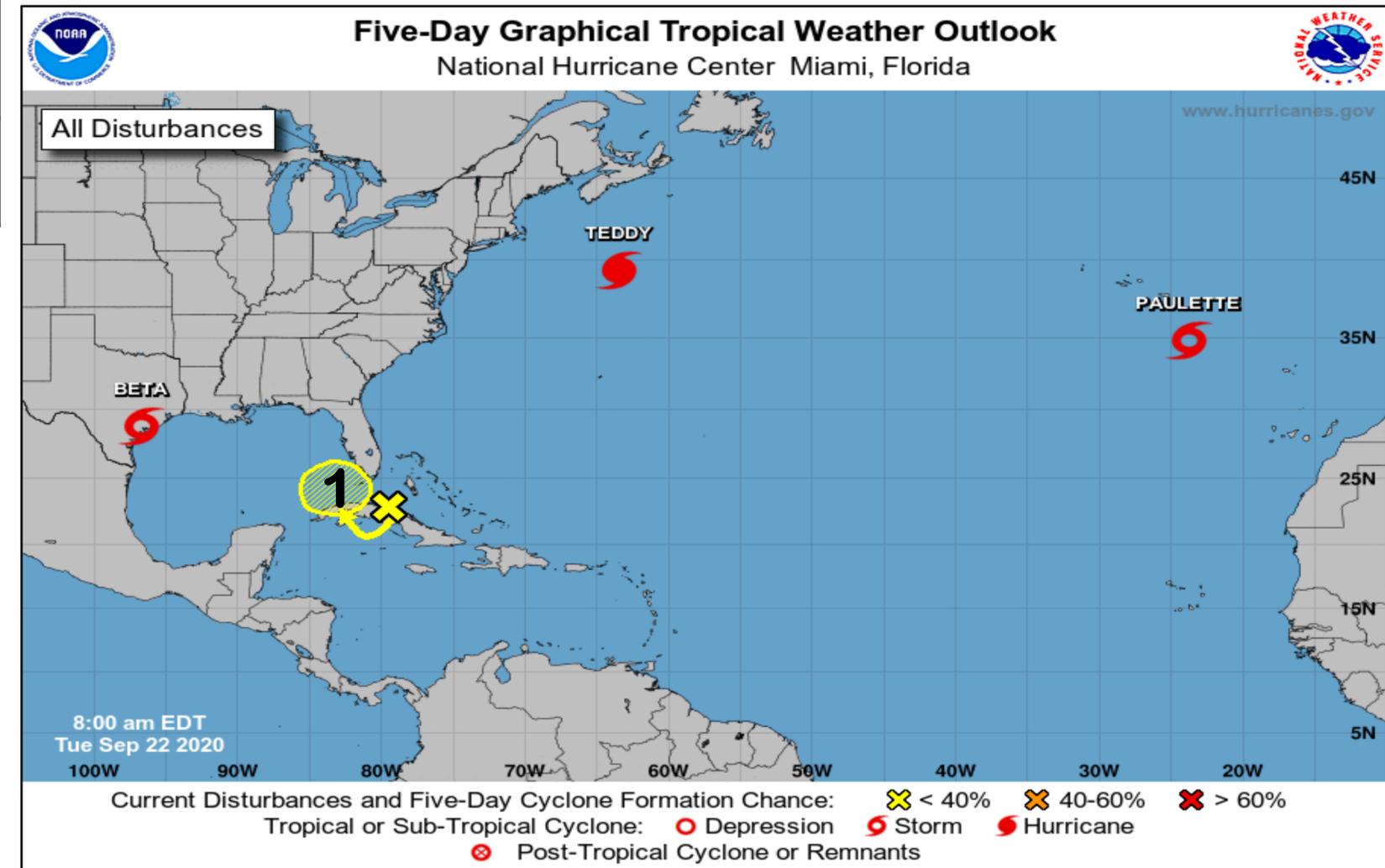
See next slides for more information

Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Low	None.

Active Tropical Cyclones

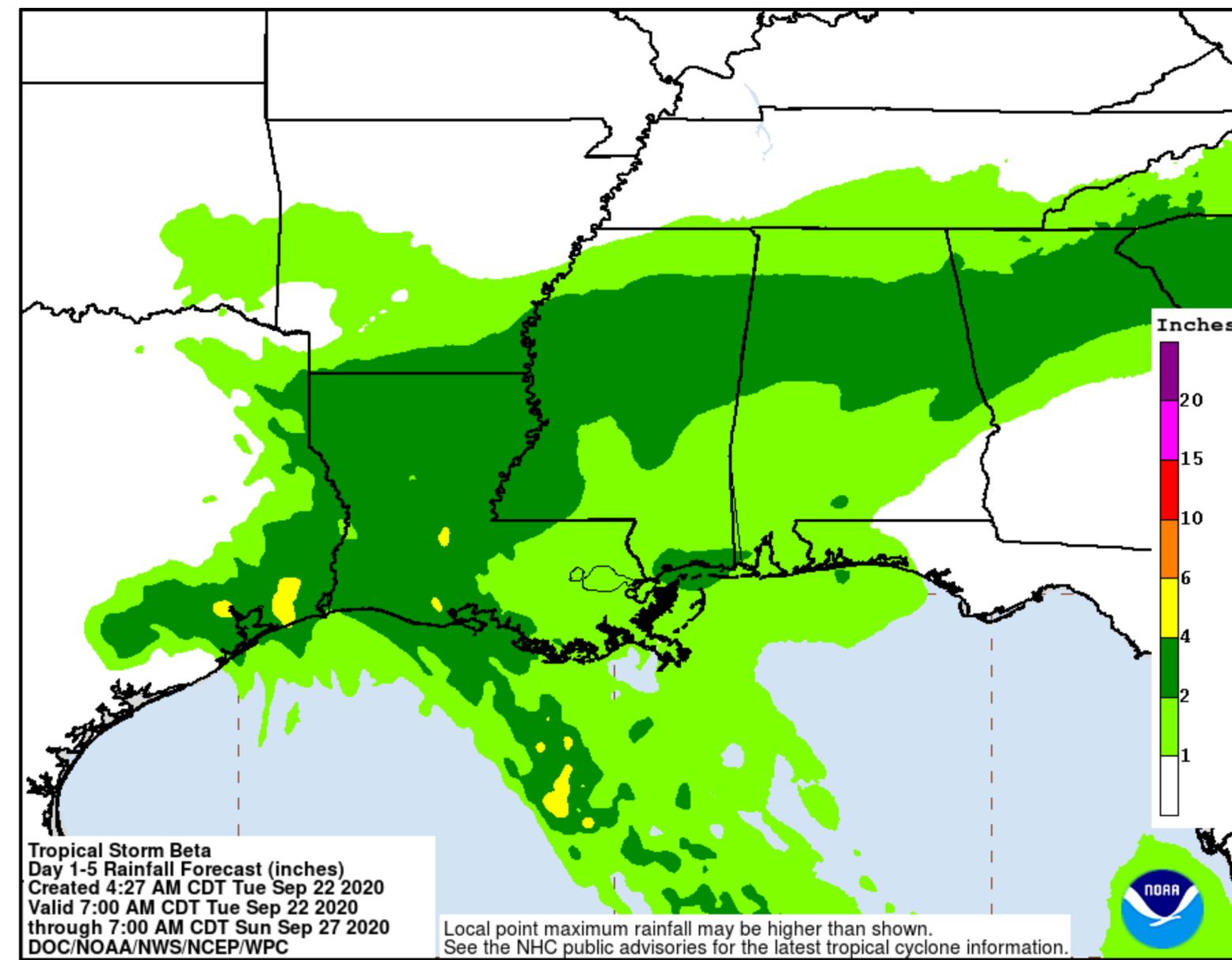
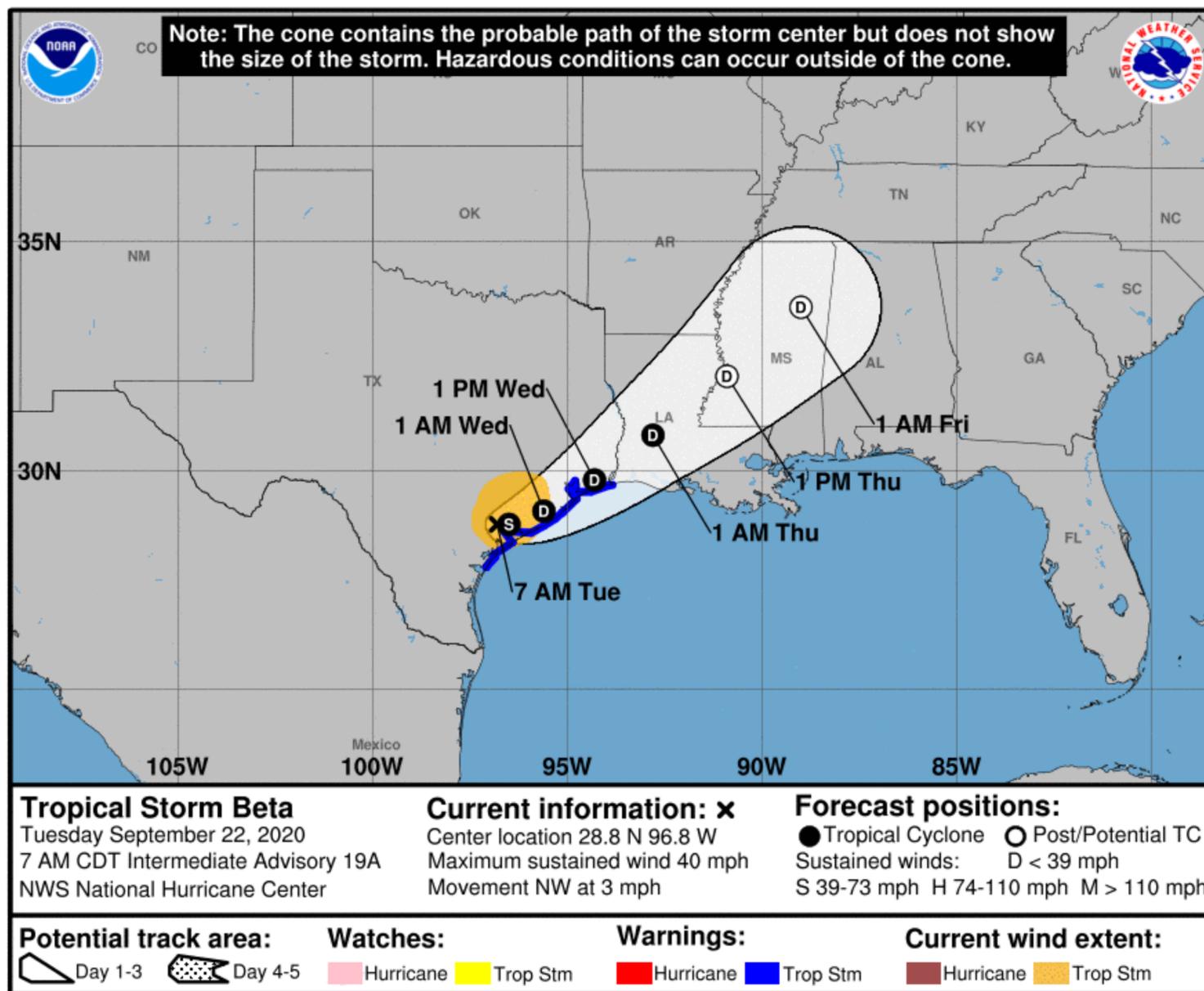
Storm	Potential Impacts to FEMA 6
Teddy	None
Paulette	None
Beta	Heavy rain/flash flooding and coastal flooding along the TX/LA coast.



Tropical Storm Beta



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**The expected slow motion of Beta will produce additional heavy rain today for Southeast TX.
Flash, urban, and river flooding is likely.**

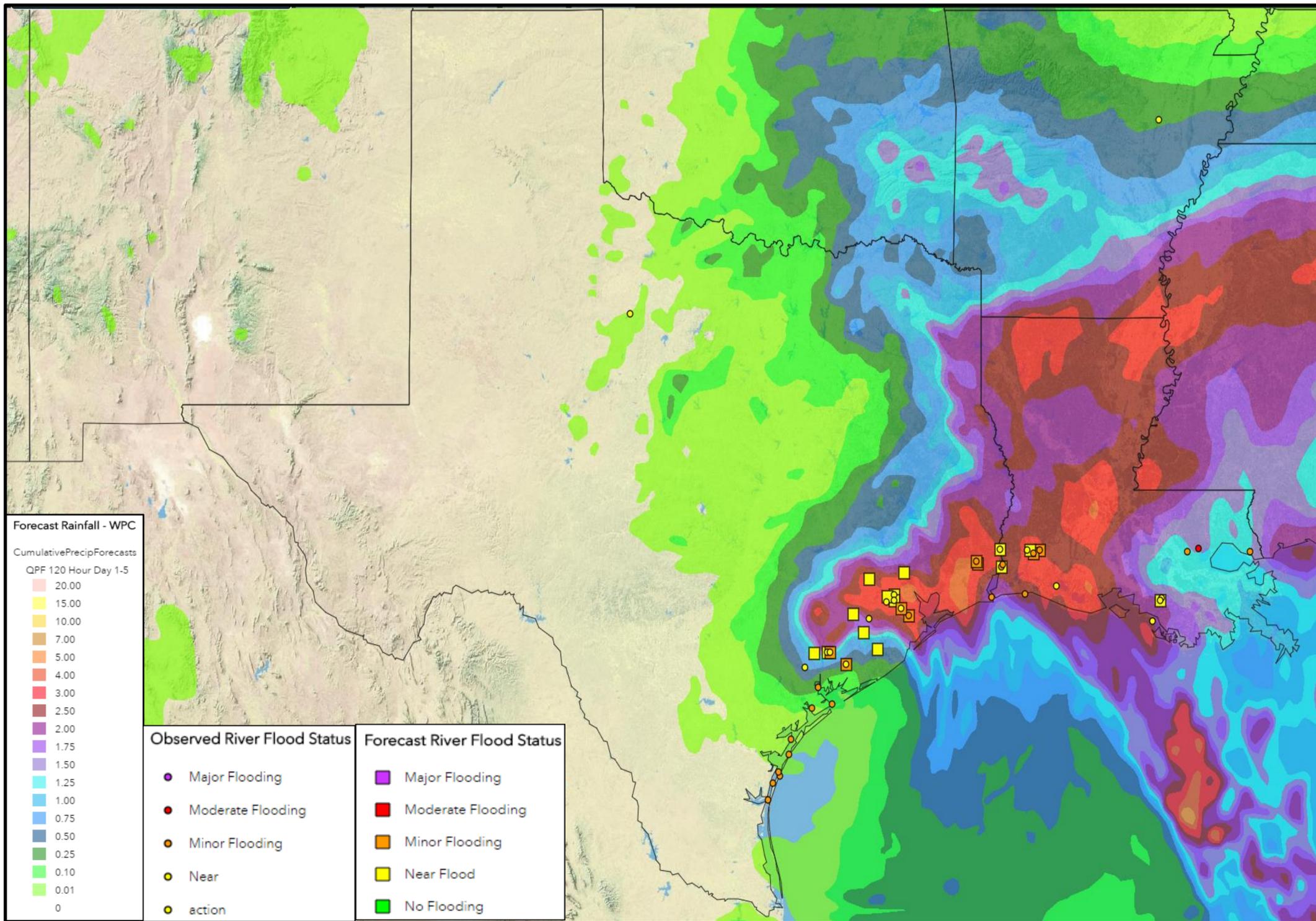
5-Day Precipitation Forecast & River Flood Status



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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 river moderate is 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)

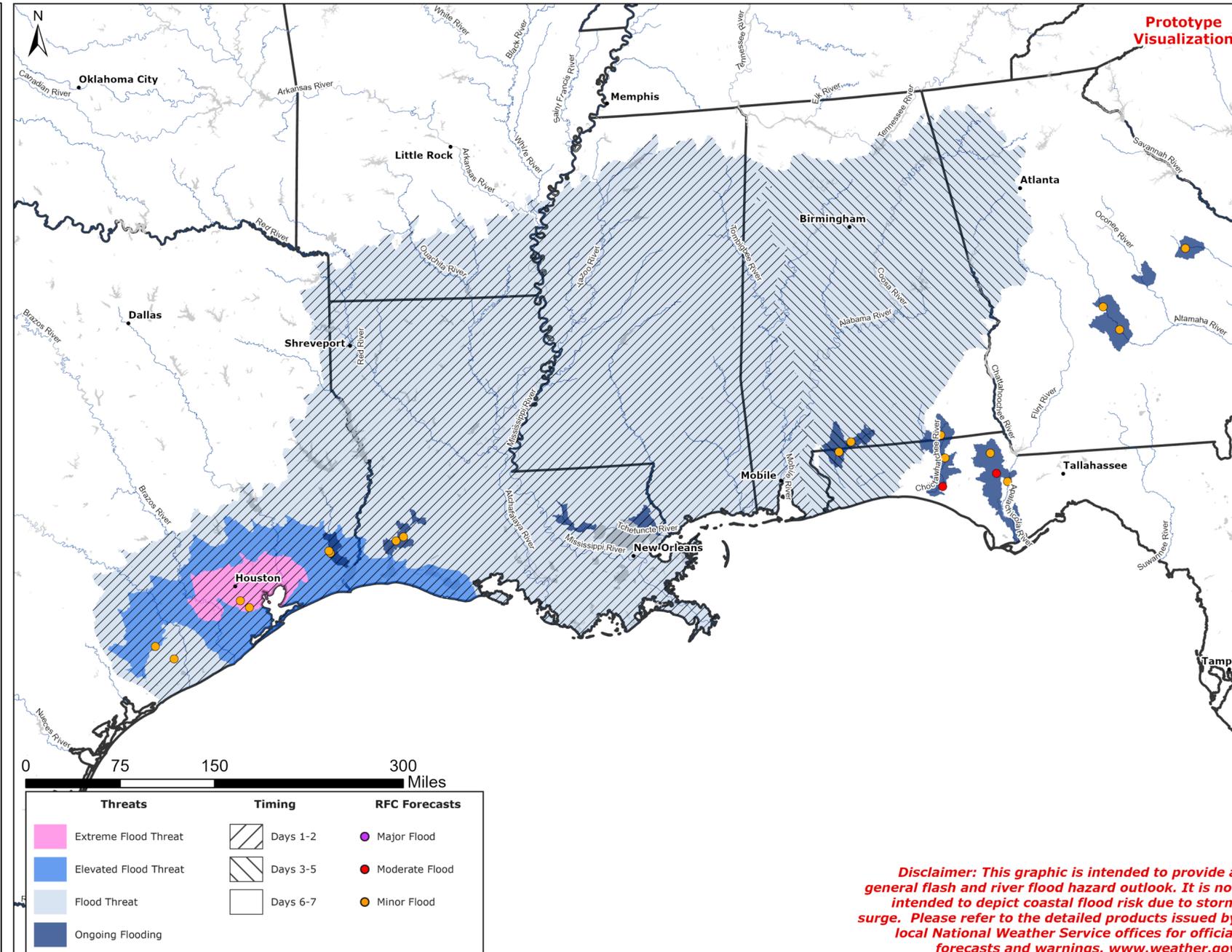
Includes General Flash and River Flood Hazards



Issued: 11:30 UTC September 22, 2020 - Valid through 11:30 UTC September 29, 2020

Flood Hazard Messages associated with Tropical Storm Beta

- For the middle and upper Texas coast, additional rainfall of 6 to 12 inches is expected through tonight with isolated storm totals up to 20 inches. Significant flash, urban, small stream flooding is occurring and will continue. Minor to isolated moderate river flooding is likely.
- The combination of dangerous storm surge from Beta and the tide is causing normally dry areas along the Texas and Louisiana coasts to be flooded by rising waters moving inland from the shoreline. For a depiction of areas at risk, please see the Storm Surge Watch/Warning Graphic, available at hurricanes.gov.
- Rainfall will spread eastward into the lower Mississippi River Valley and portions of the Southeast through the end of the week. Expected rainfall totals of 3 to 5 inches may cause flash, urban, and small stream flooding, as well as isolated minor river flooding on smaller rivers.
- Ongoing flooding from Hurricane Sally will persist across the Southeast throughout the week. Barring any significant precipitation from Beta remnants, rivers across southern Alabama and the Florida Panhandle will fall below flood stage by the end of this week. Generally, the crests along the larger Georgia, South Carolina, North 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

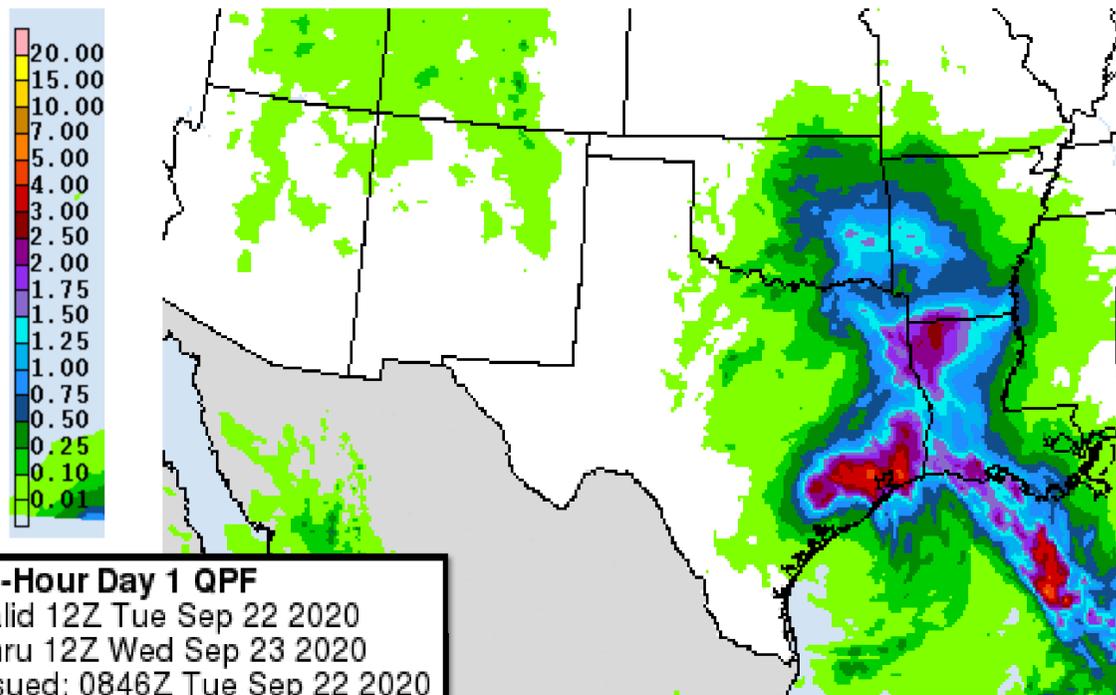
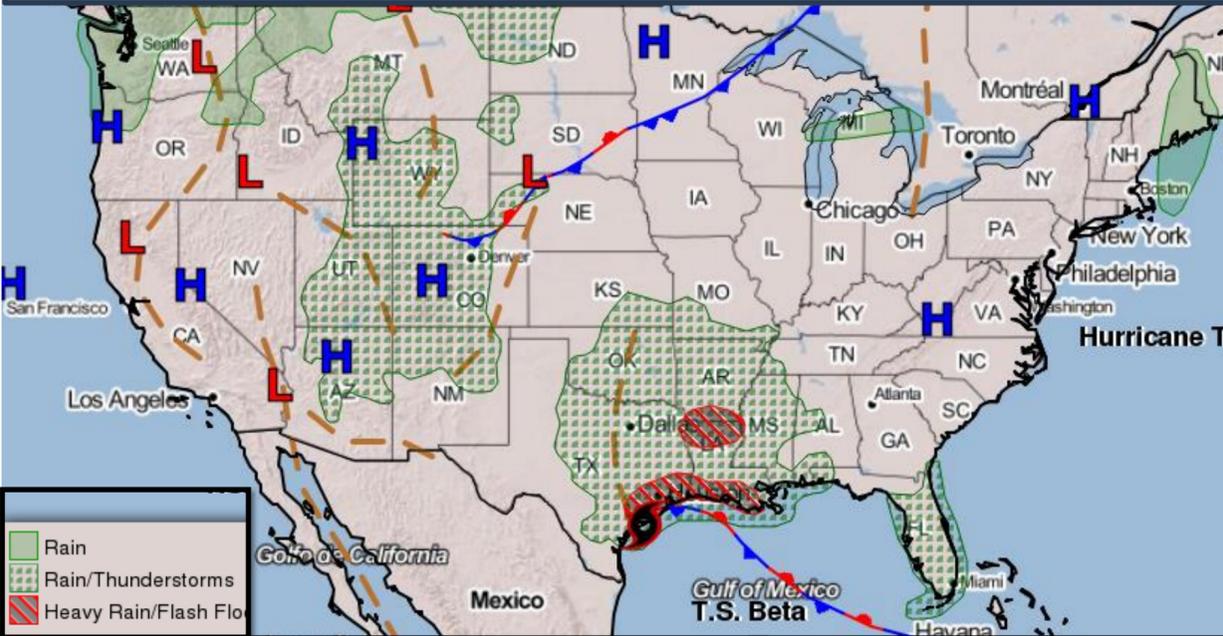
Today's Weather



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Forecast Chart

Forecast Rainfall



Heavy rainfall/flash flooding expected across SE TX.

Heavy rainfall and flash flooding likely across the Southwest and South-Central LA coast.

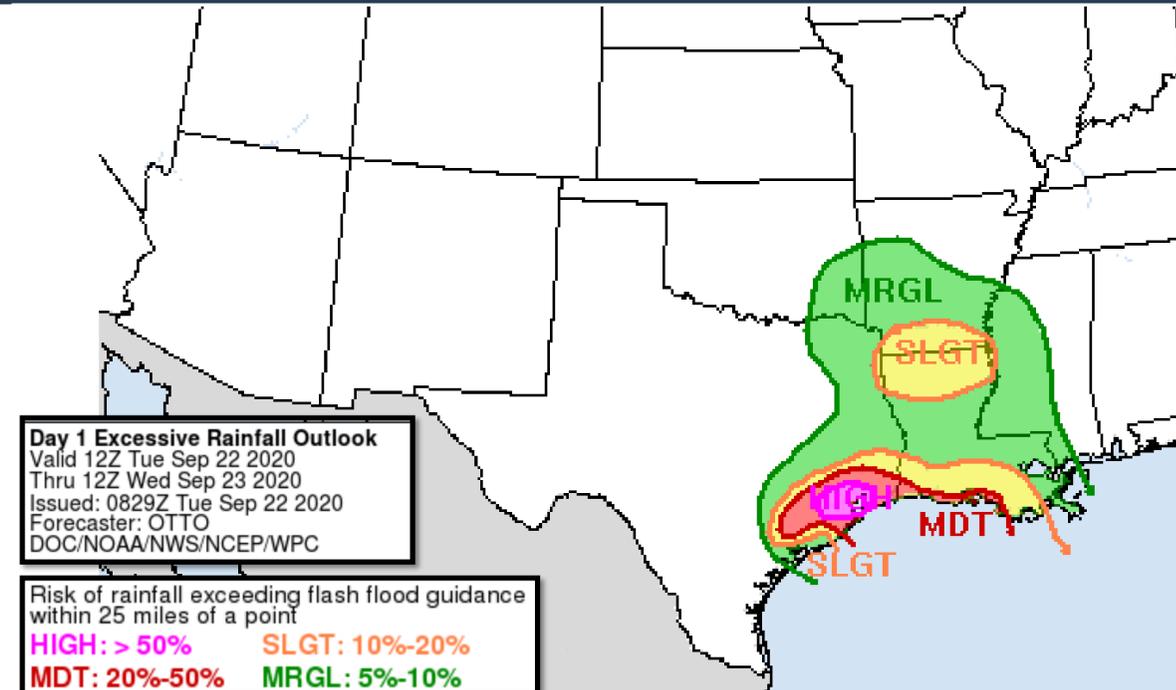
Isolated brief/weak tornadoes for the Upper TX Coast into SW & S-Central LA.

Weather Valid 8am EDT Tue Sep 22 2020 to 8am EDT Wed Sep 23 2020
Fronts Valid 8am EDT Tue Sep 22 2020
Issued 4:56 AM EDT Tue, Sep 22, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Putnam with WPC/SPC/NHC forecasts.

24-Hour Day 1 QPF
Valid 12Z Tue Sep 22 2020
Thru 12Z Wed Sep 23 2020
Issued: 0846Z Tue Sep 22 2020

Severe Weather Outlook

Excessive Rainfall Outlook



Day 1 Excessive Rainfall Outlook
Valid 12Z Tue Sep 22 2020
Thru 12Z Wed Sep 23 2020
Issued: 0829Z Tue Sep 22 2020
Forecaster: OTTO
DOC/NOAA/NWS/NCEP/WPC

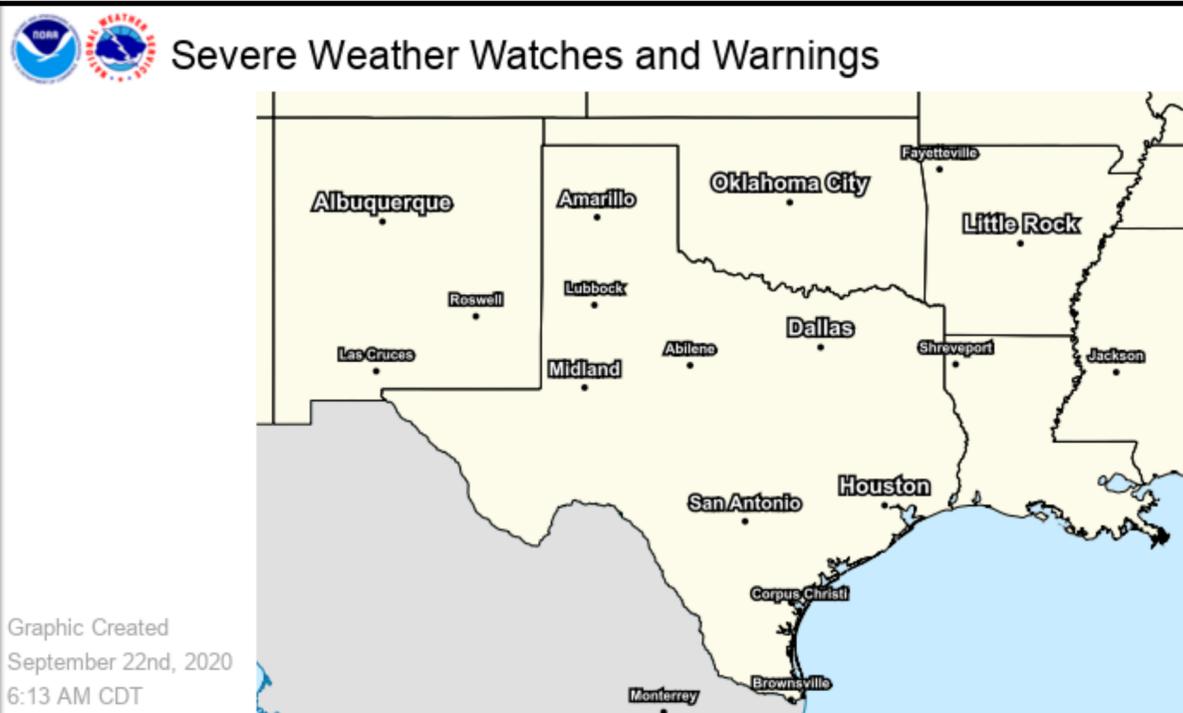
Risk of rainfall exceeding flash flood guidance within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Watches, Warnings, and Advisories

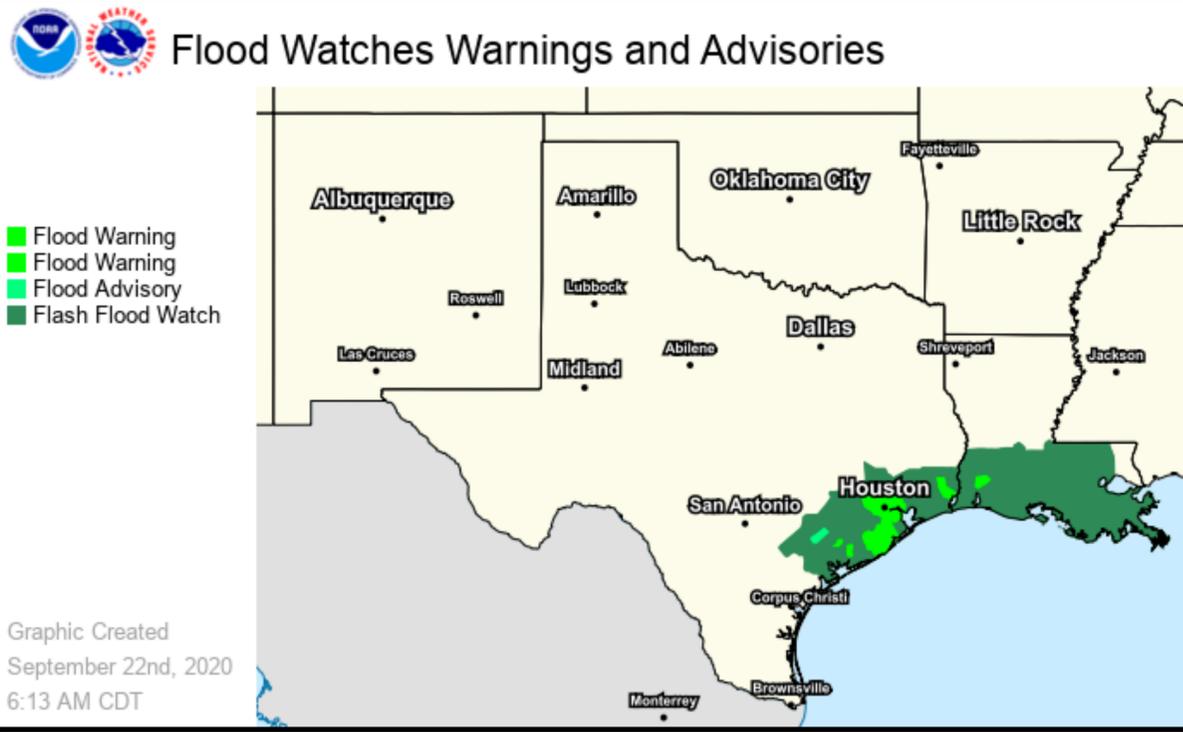
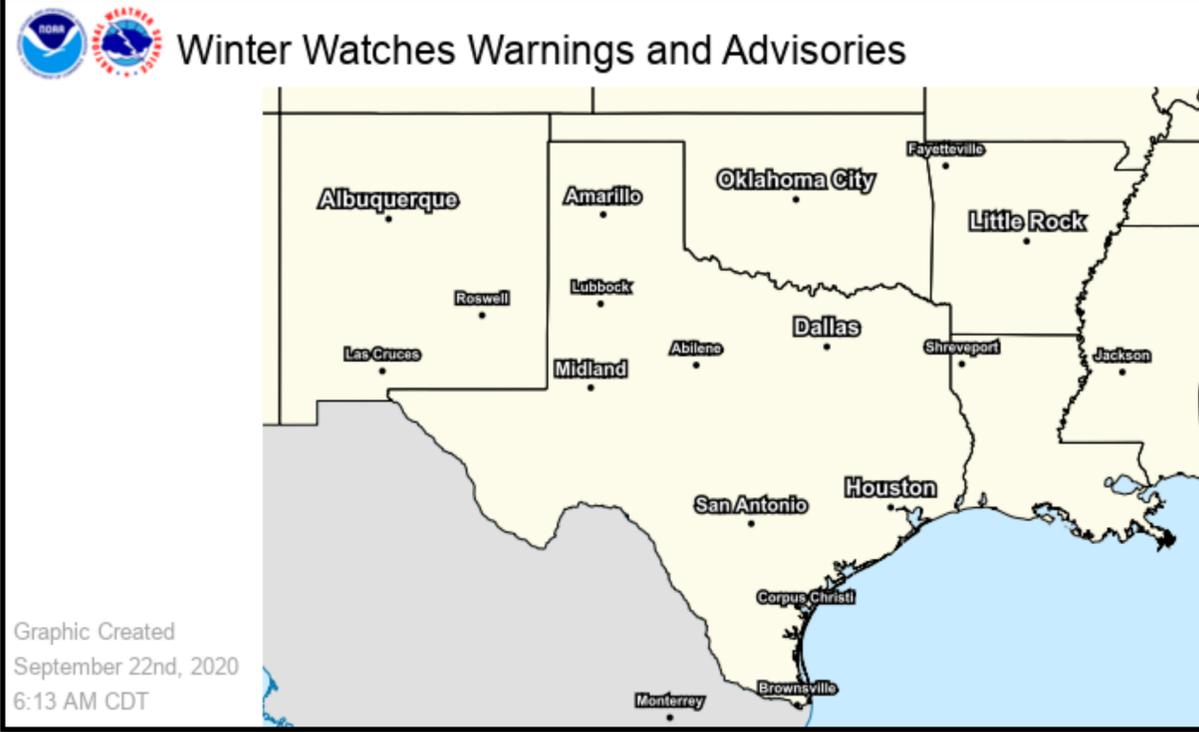


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Wind, Severe, Winter, and Flood Hazards



Flash Flood Watches in effect for SETX and S LA.



Tomorrow's Weather

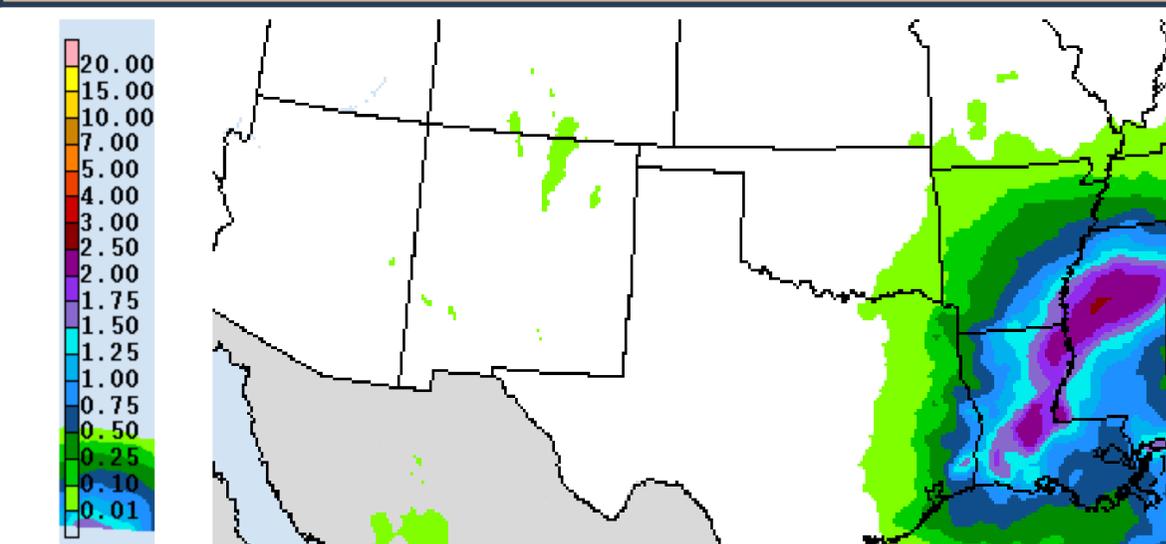
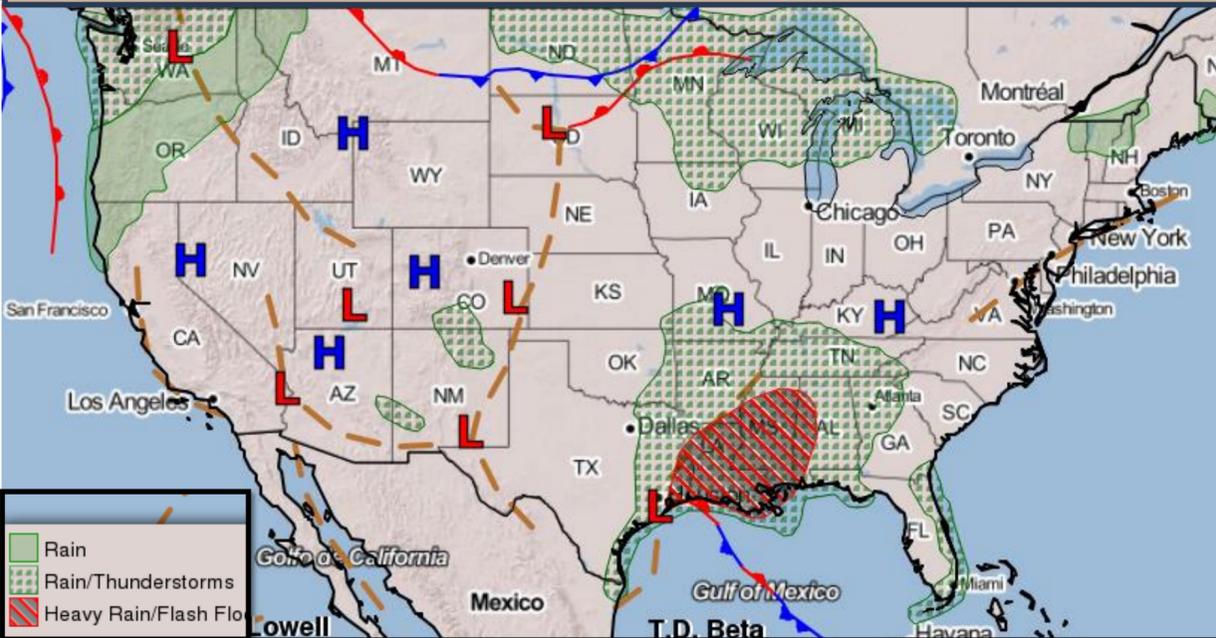


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Forecast Chart

Forecast Rainfall

Heavy rain/flash flooding possible across Extreme SE TX into LA.

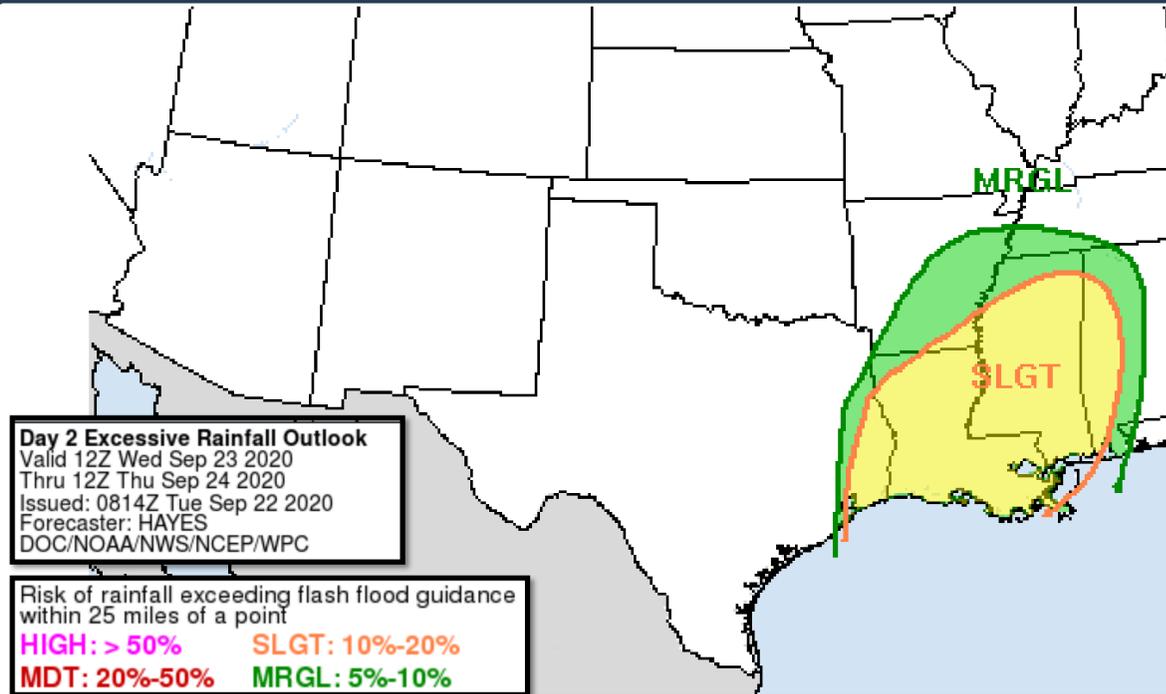


Weather Valid 8am EDT Wed Sep 23 2020 to 8am EDT Thu Sep 24 2020
Fronts Valid 8am EDT Wed Sep 23 2020
Issued 5:00 AM EDT Tue, Sep 22, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Putnam with WPC/SPC/NHC forecasts.

24-Hour Day 2 QPF
Valid 12Z Wed Sep 23 2020
Thru 12Z Thu Sep 24 2020
Issued: 0855Z Tue Sep 22 2020

Severe Weather Outlook

Excessive Rainfall Outlook



Day 2 Excessive Rainfall Outlook
Valid 12Z Wed Sep 23 2020
Thru 12Z Thu Sep 24 2020
Issued: 0814Z Tue Sep 22 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%**

Thursday's Weather

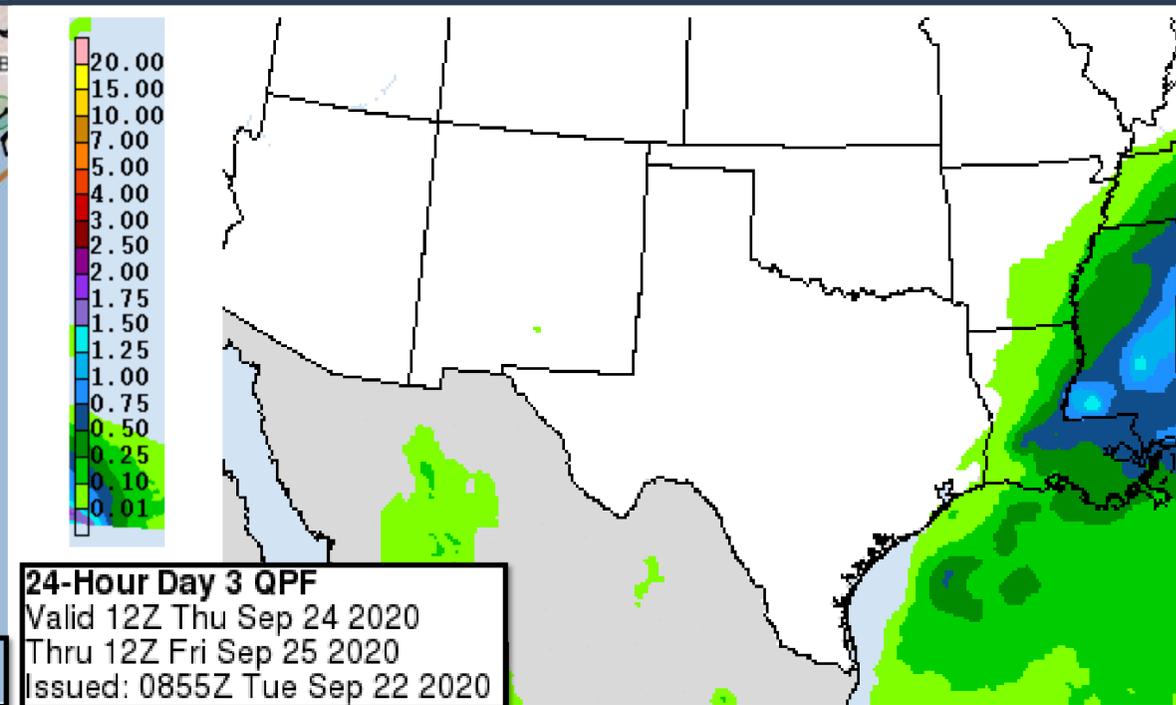
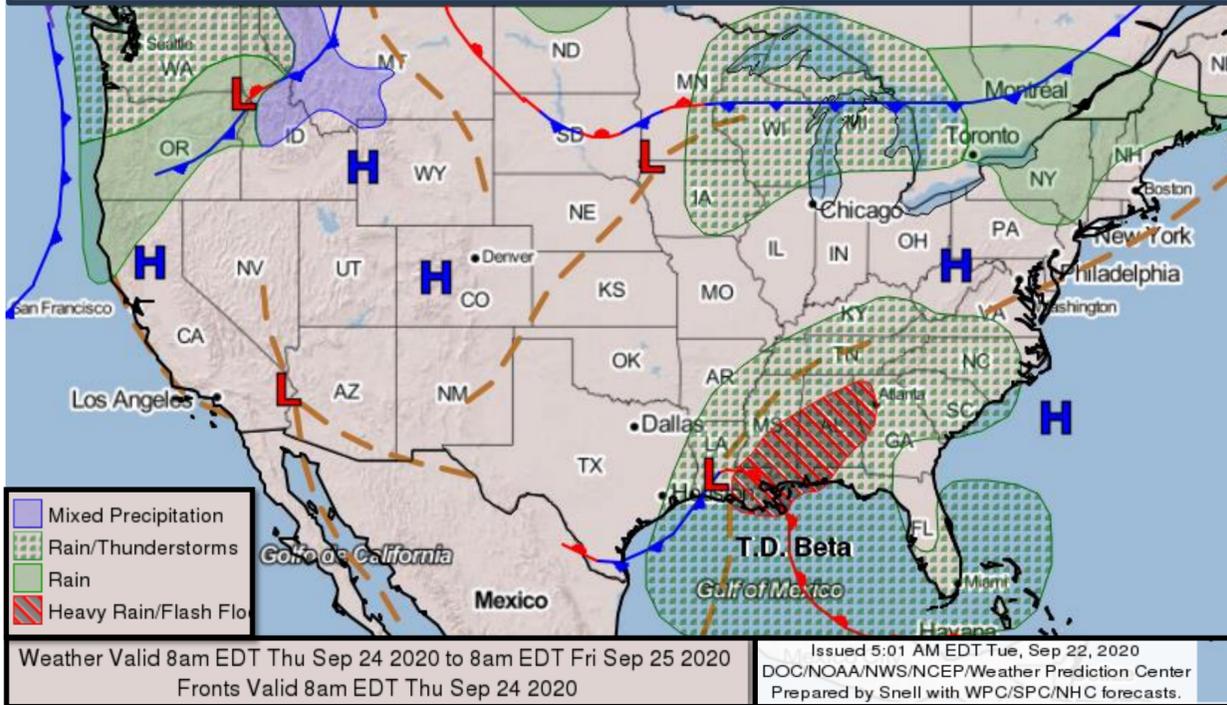


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Forecast Chart

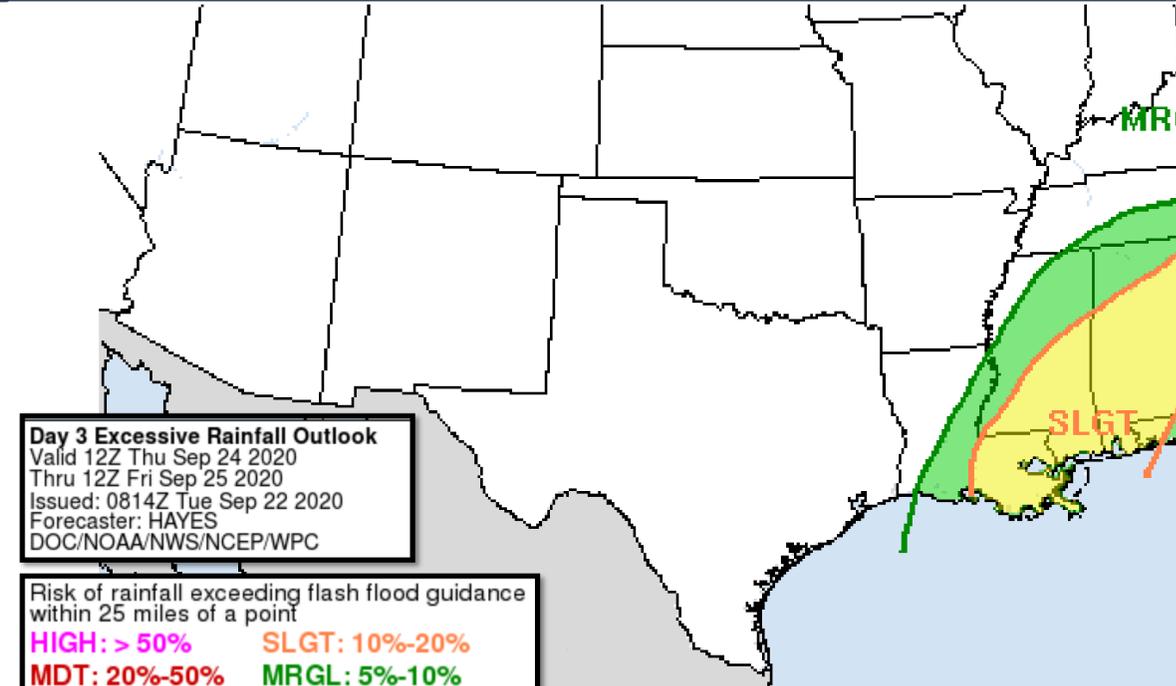
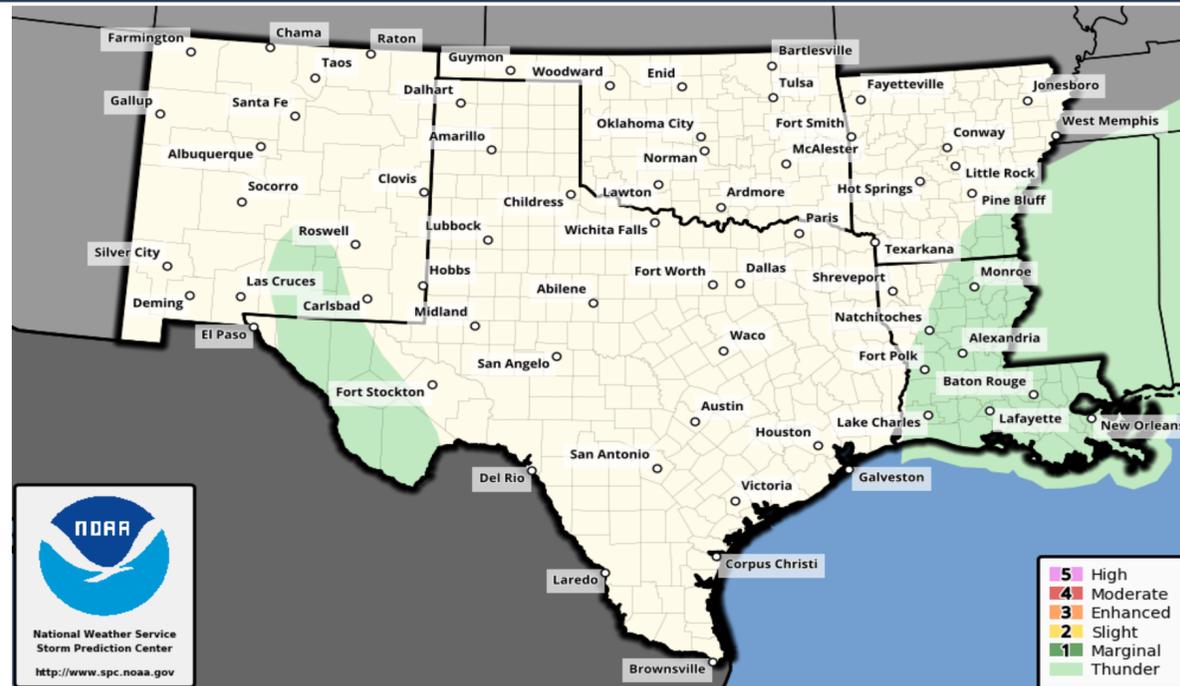
Forecast Rainfall

Heavy rain/flash flooding possible across SE LA.



Severe Weather Outlook

Excessive Rainfall Outlook



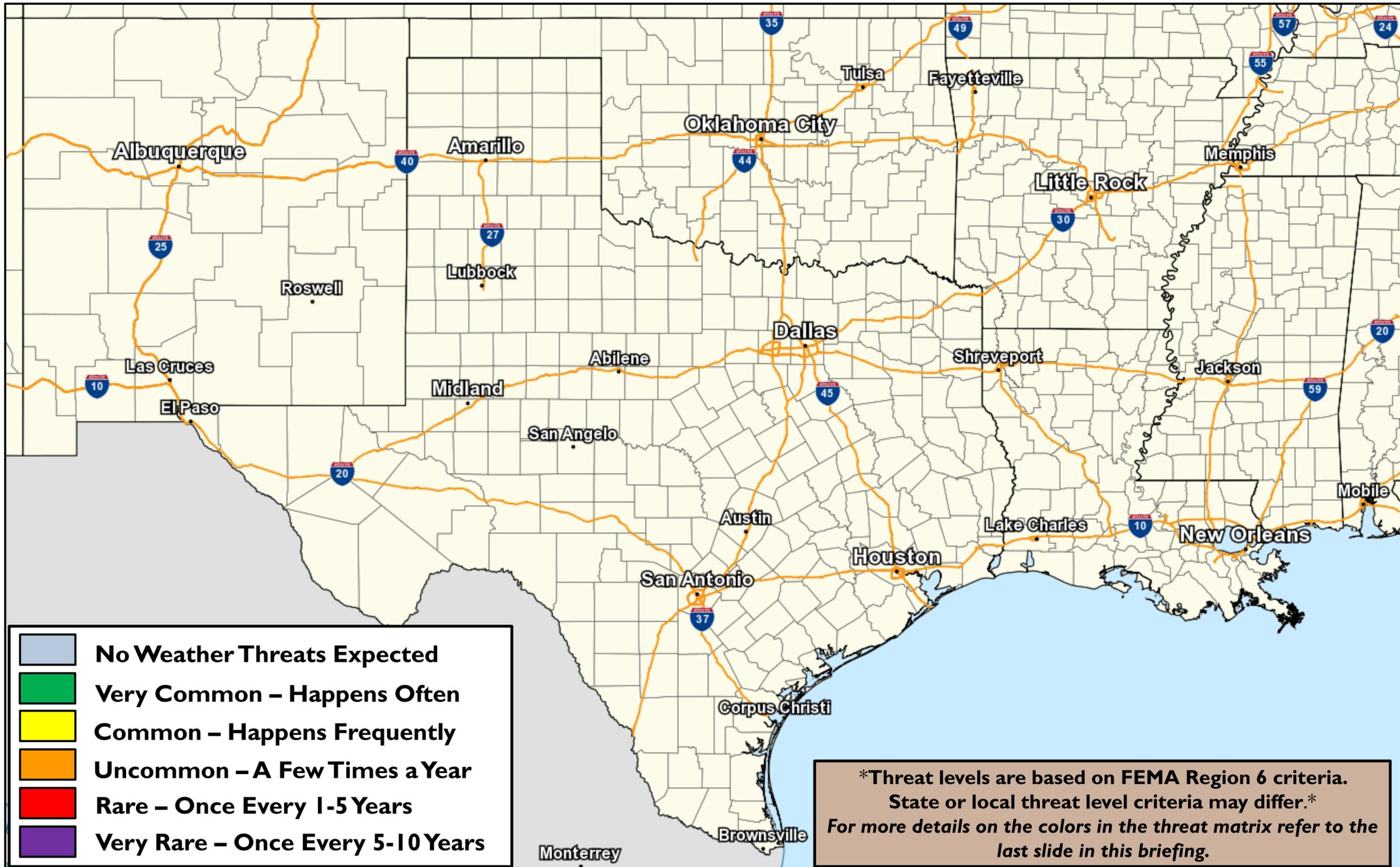
Days 4-5 Weather Hazards

Friday - Saturday



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No significant weather impacts expected.

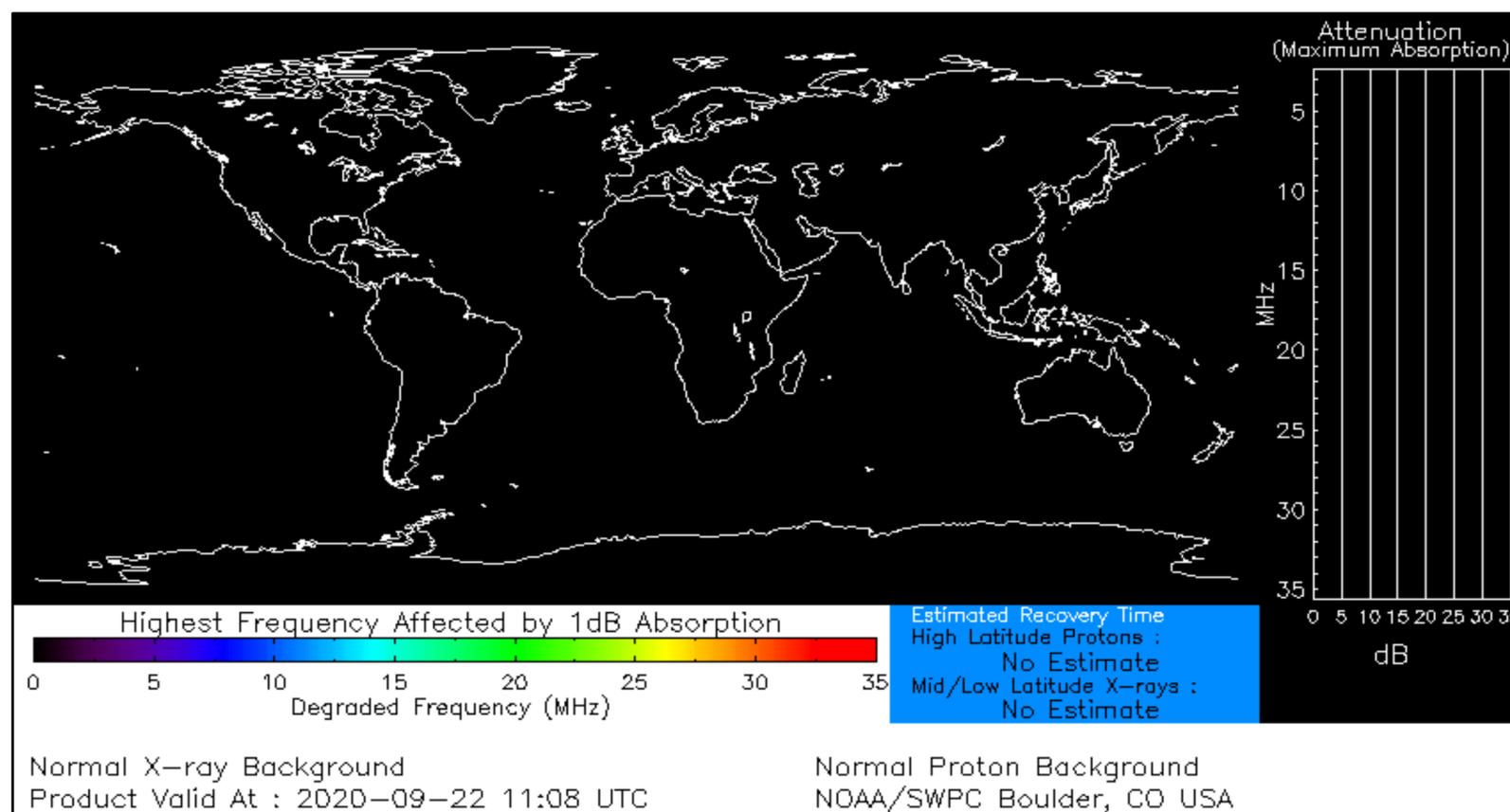


Space Weather 3-Day Forecast



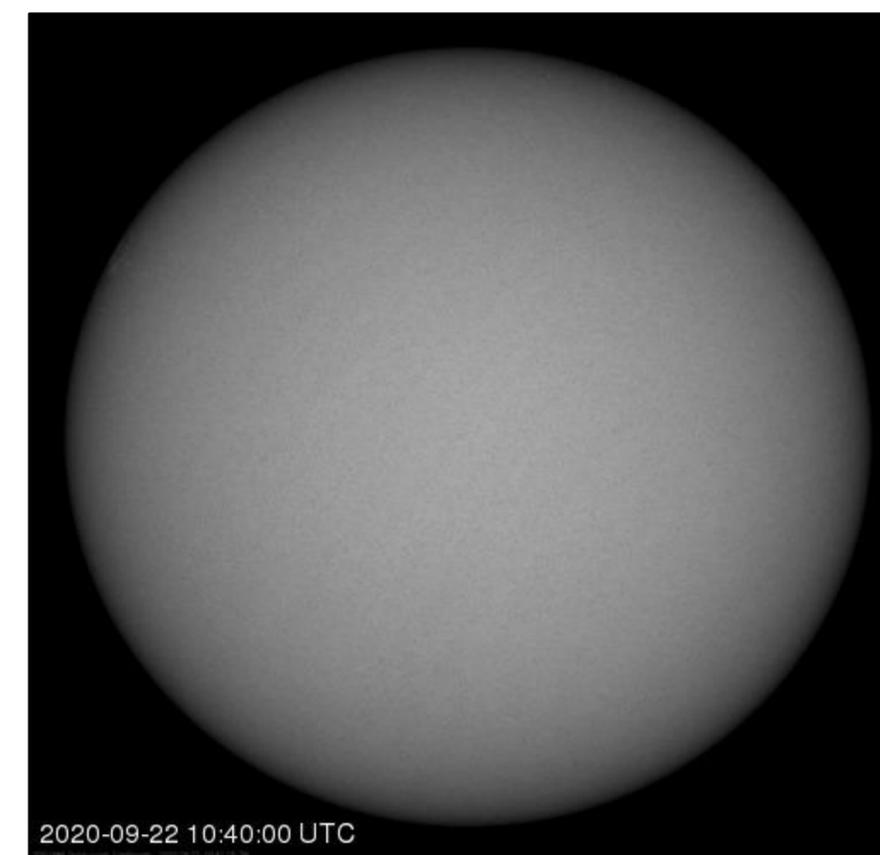
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	Tuesday	Wednesday	Thursday
Geomagnetic Storms	Quiet (Max Kp = 2)	Unsettled (Max Kp = 3)	Active (Max Kp = 4)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[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

Web: <http://www.weather.gov/srh>



Weather "Threat" Matrix

Color	Definition	Criteria	Example(s)
Green	<p style="text-align: center;">Very Common</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 <u>seabreeze</u> storms in coastal TX
Yellow	<p style="text-align: center;">Somewhat Common – Happens Frequently</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;">Uncommon – A Few Times a Year</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;">Rare – Once every 1-5 Years</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;">Very Rare – Once Every 5-10 Years</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.