



FEMA



Prepared by
Cindy Elsenheimer

FEMA Region 6 Weather Threat Briefing

Monday September 21, 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.



NWSSouthern

www.weather.gov/srh



- **TS Beta expected to approach the TX coast today.**
 - **Tropical Storm and Storm Surge Warnings are in effect for the TX and LA coasts**
 - **Heavy rain/flash flooding and coastal flooding along TX/LA coasts this week.**
 - **Isolated tornadoes today and Tuesday across SE TX and SW LA.**

FEMA Region 6 Threat Matrix

Sep 21, 2020 - Sep 25, 2020



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DAY / THREAT	Mon	Tue	Wed	Thu	Fri
Severe Storms	TX and SW LA coasts	TX and SW LA coasts			
Heavy Rain / Flash Flooding	SETX	SE LA	LA/E AR		
	S/SE LA	S LA/SETX			
Fire Weather					
Tropical Winds / Surge	TX coast	TX coast	TX/LA coast		
	LA coast	LA coast			
Winter Weather					
River Flooding		TX/LA	TX/LA	TX/LA	TX/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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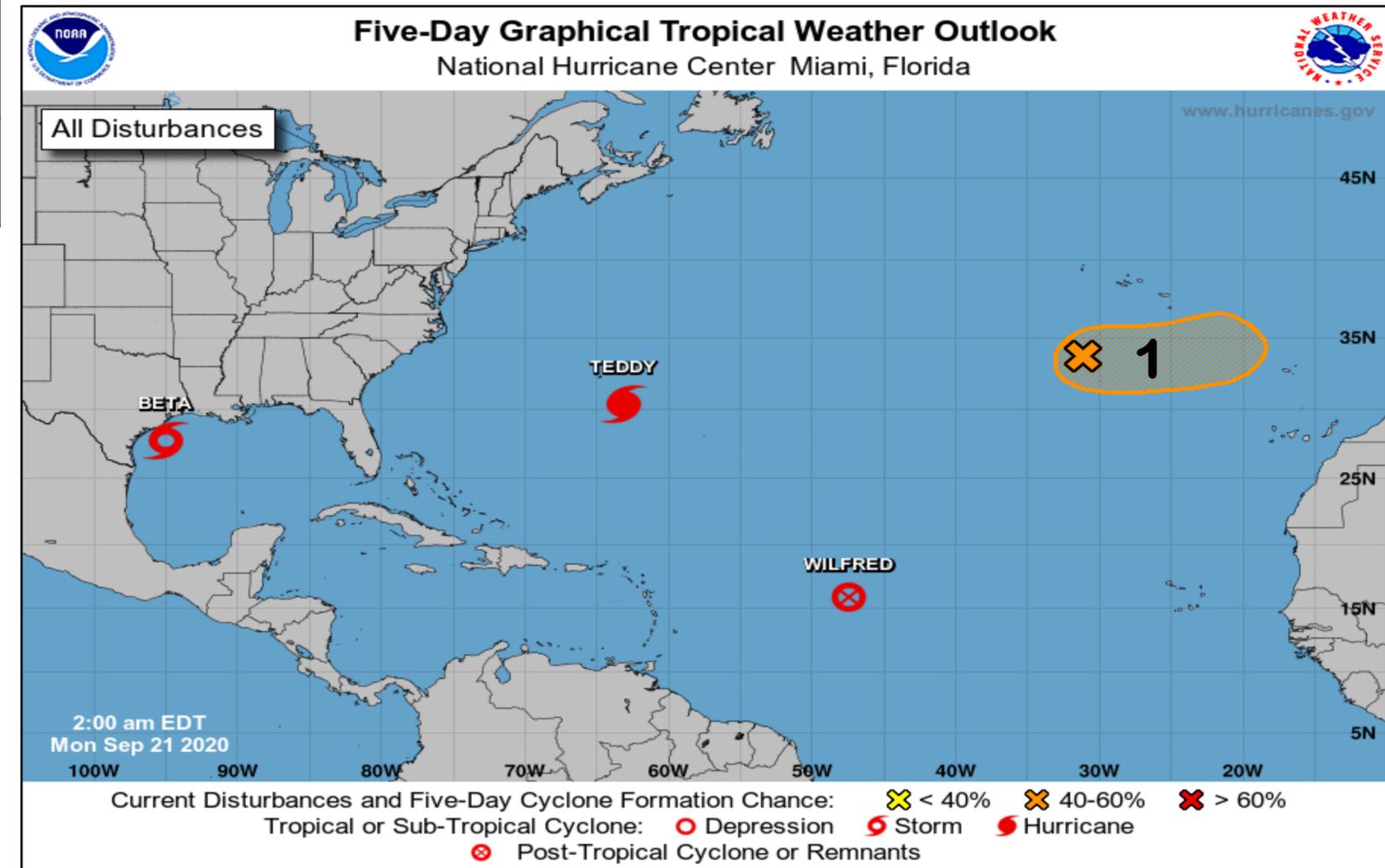
See next slides for more information

Areas of Possible Development

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

Active Tropical Cyclones

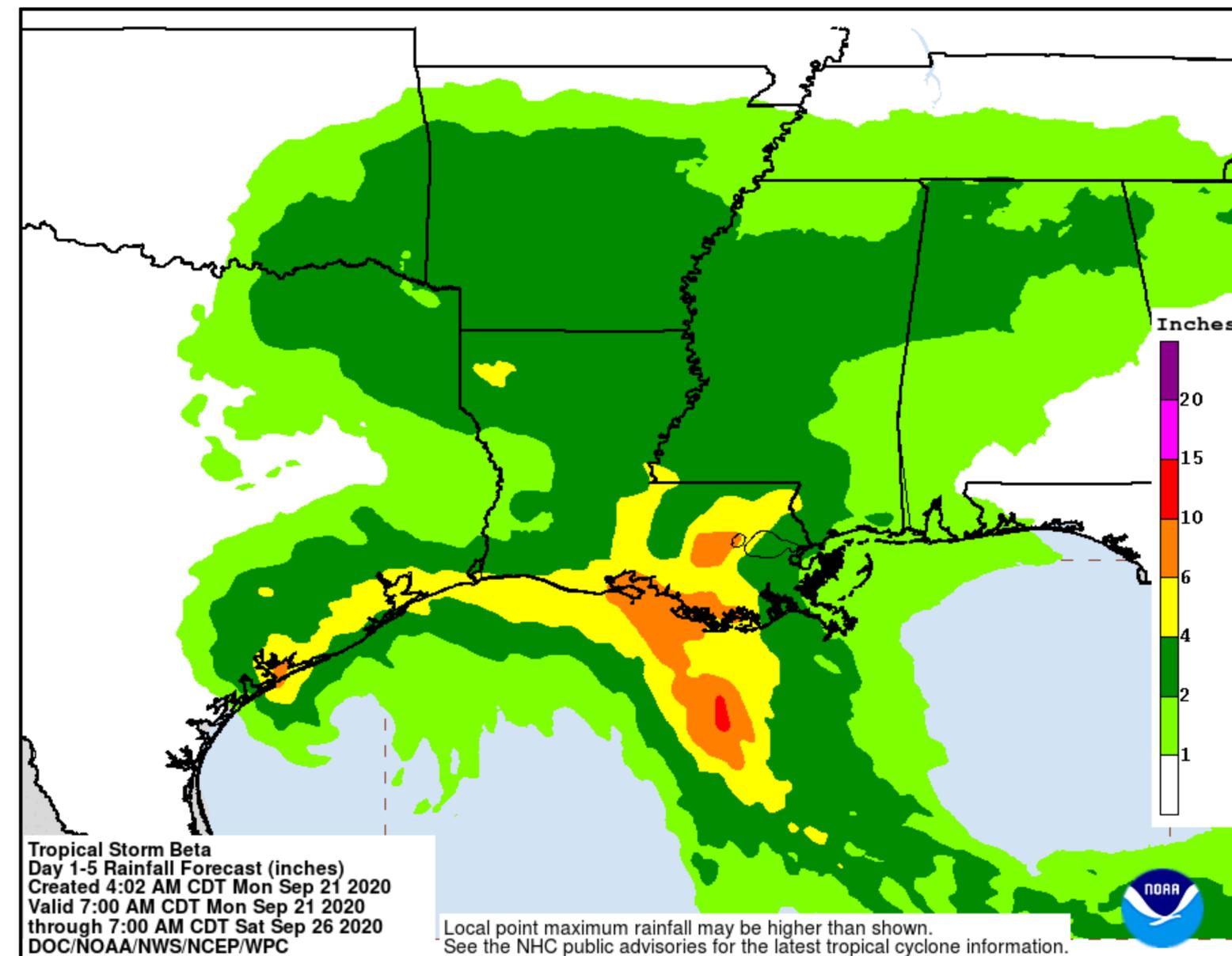
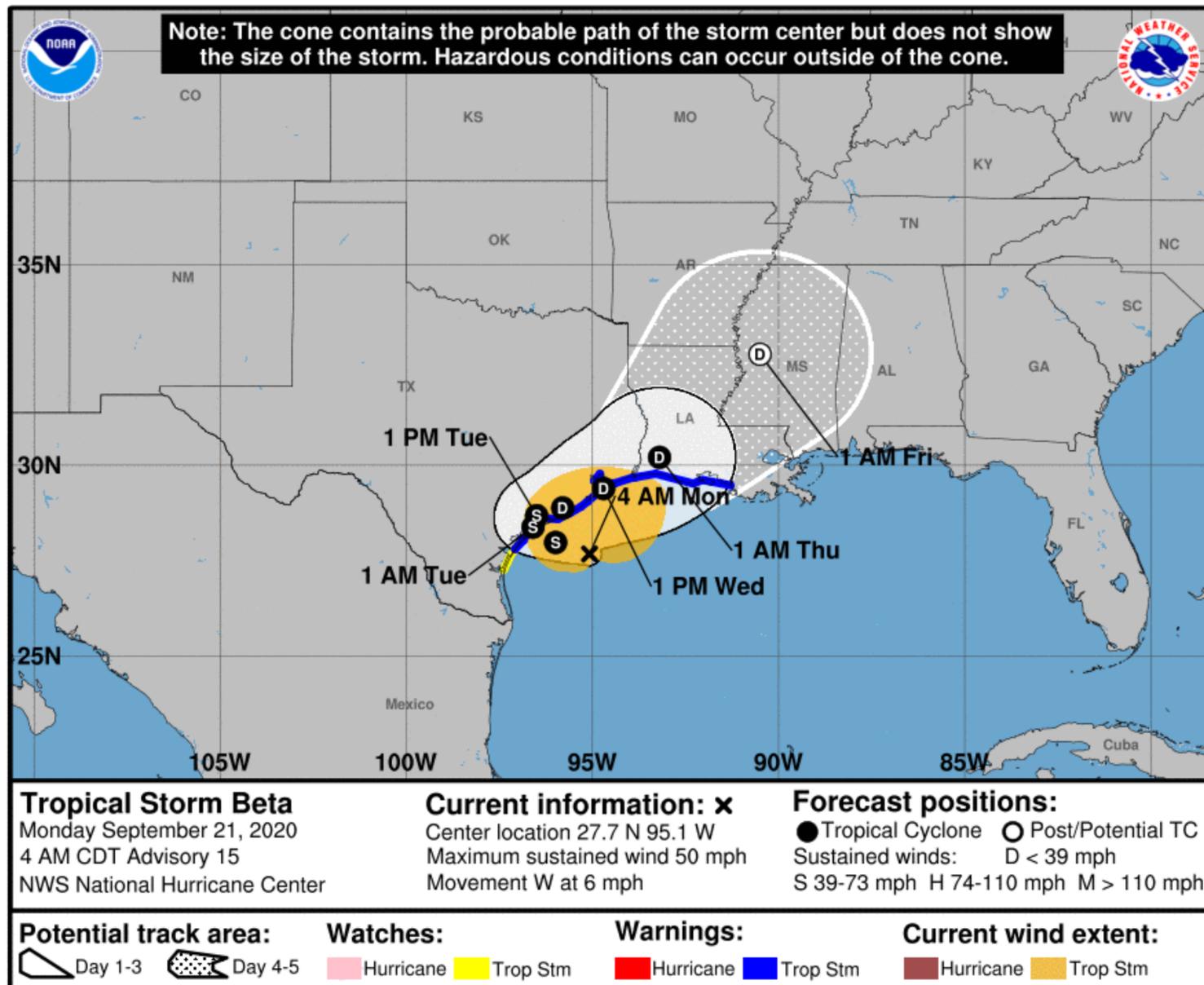
Storm	Potential Impacts to FEMA 6
Teddy	None
Wilfred	None
Beta	Heavy rain/flash flooding and coastal flooding along the TX/LA coast.



Tropical Storm Beta



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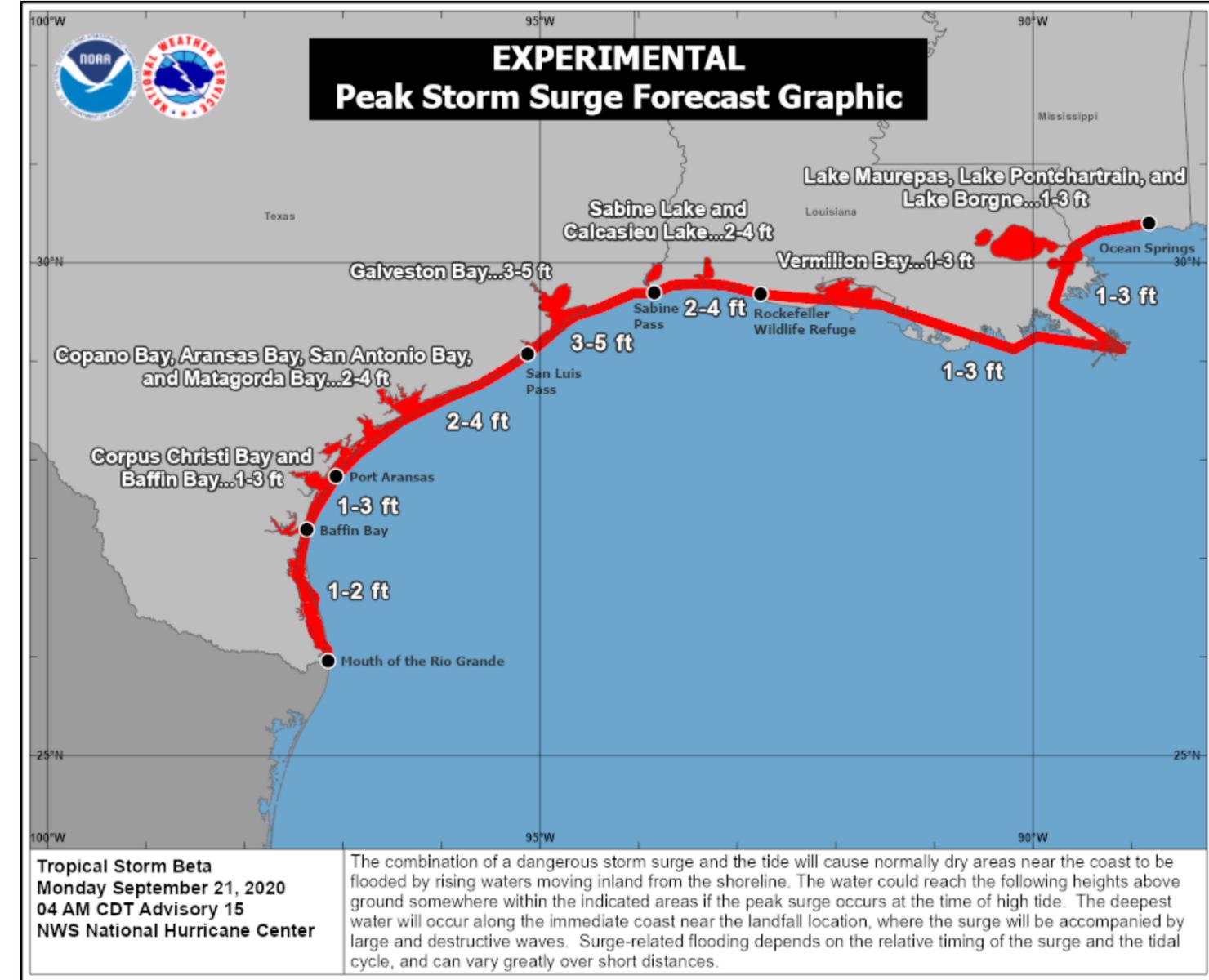
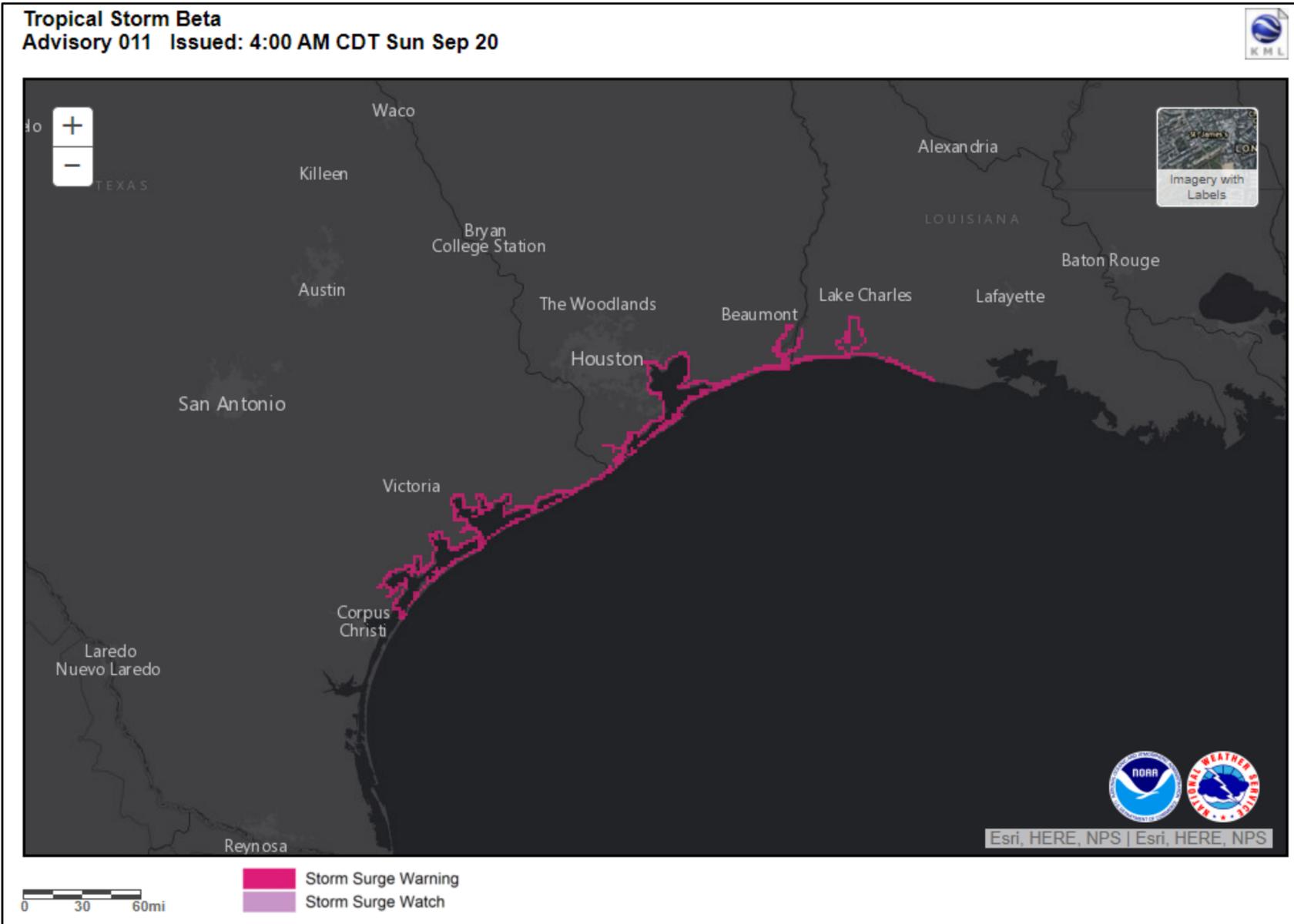


The expected slow motion of Beta will produce a long duration rainfall event from the Middle Texas coast to southern Louisiana. Flash, urban, and river flooding is likely.

Tropical Storm Beta



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Storm surge warning is in effect from Port Aransas, Texas to Rockefeller Wildlife Refuge, Louisiana

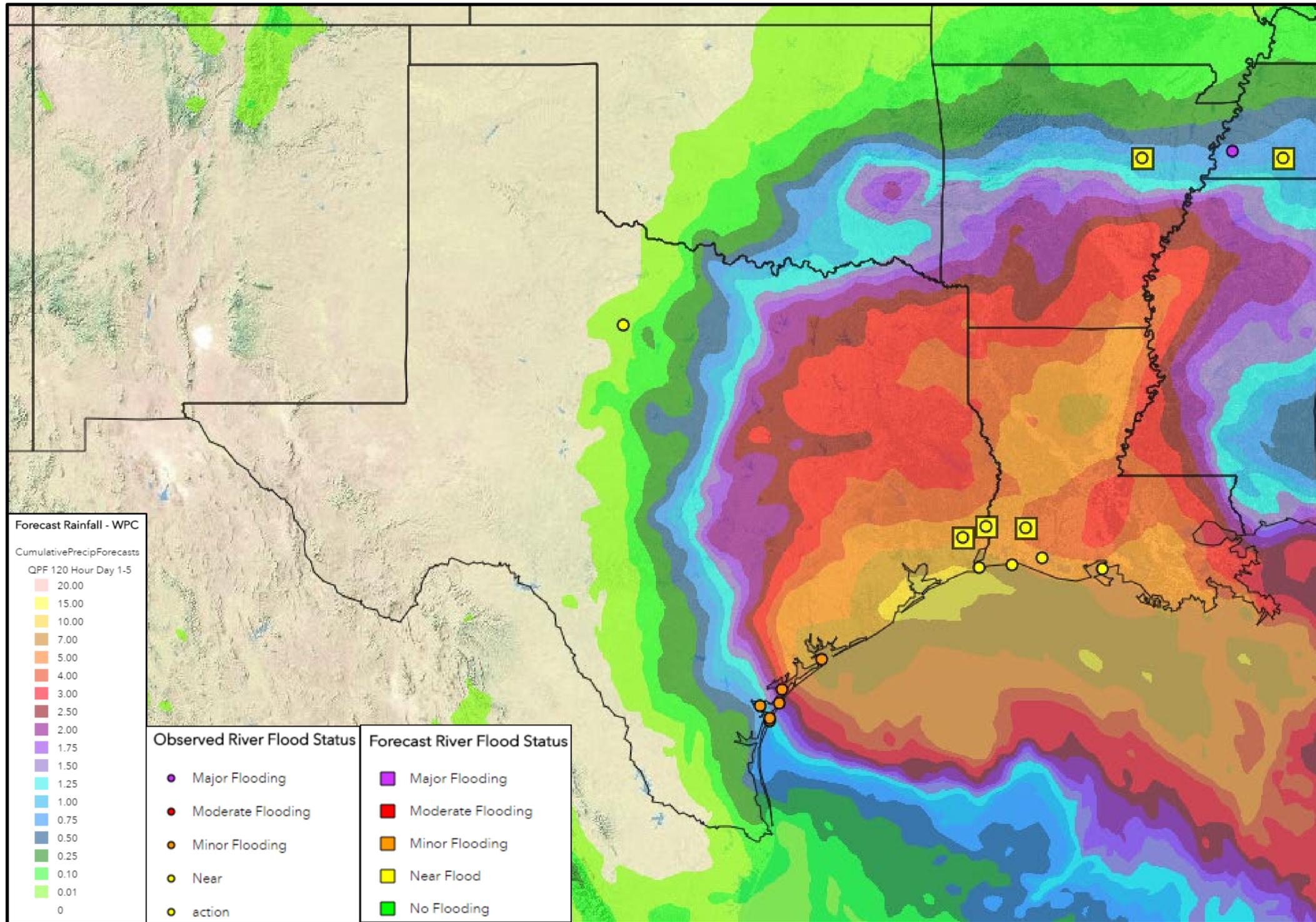
5-Day Precipitation Forecast & River Flood Status

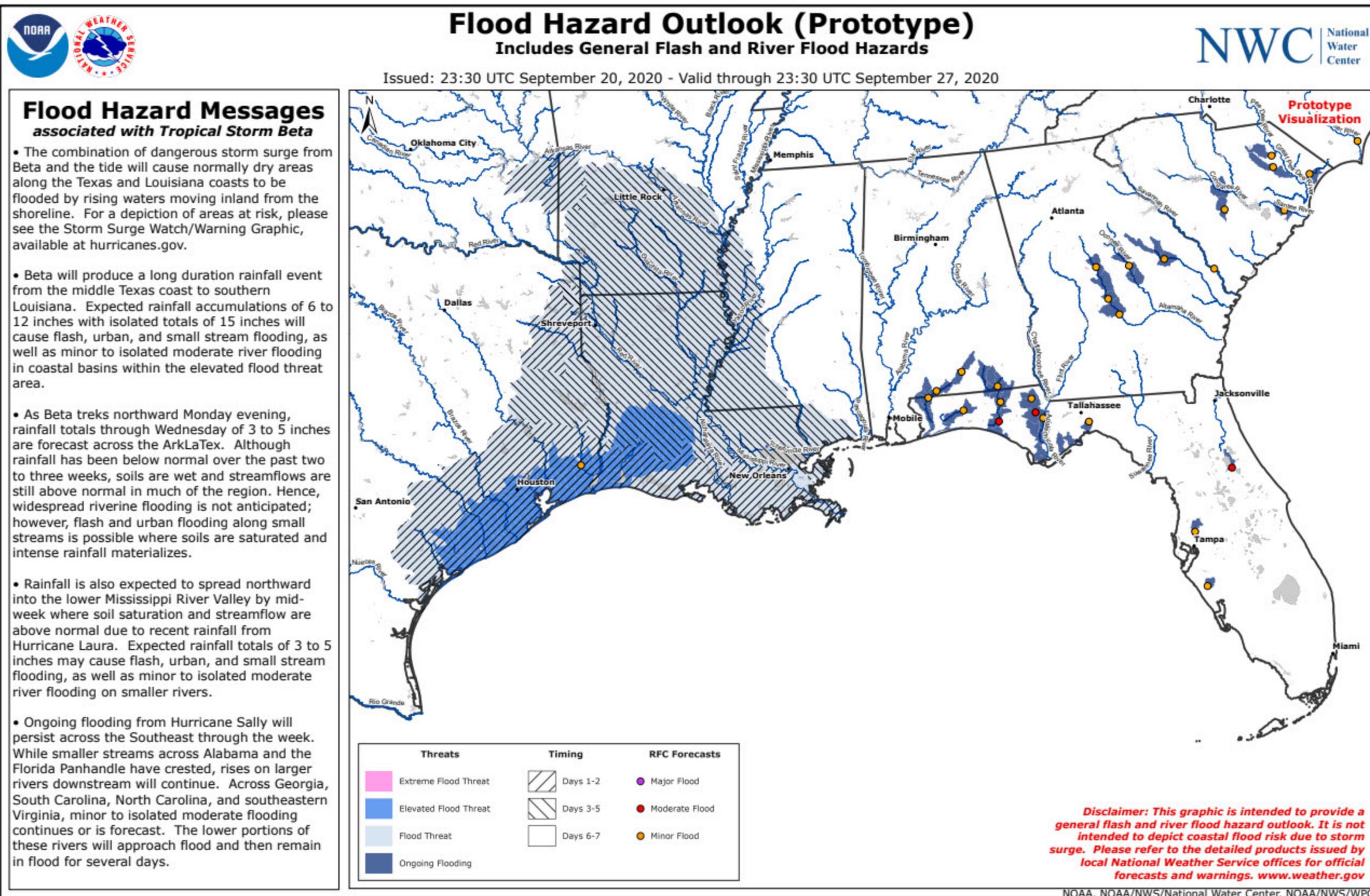


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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall

Potential for river flooding across portions of TX/LA due to the rainfall associated with TS Beta.





Today's Weather



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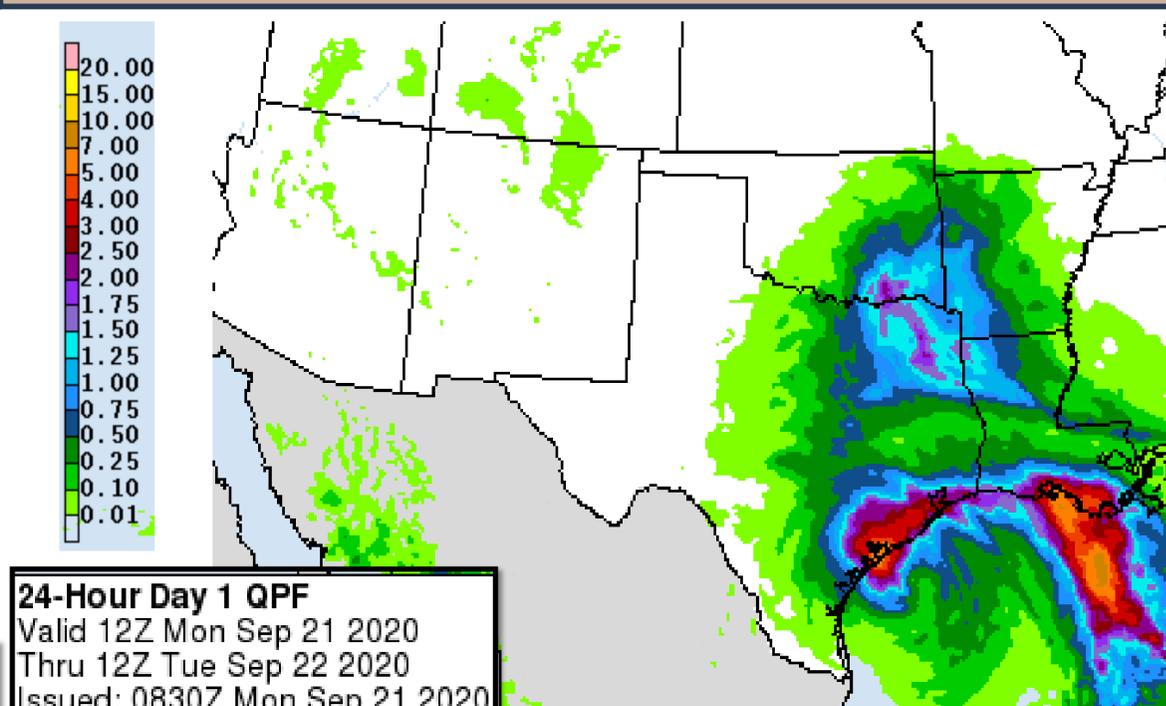
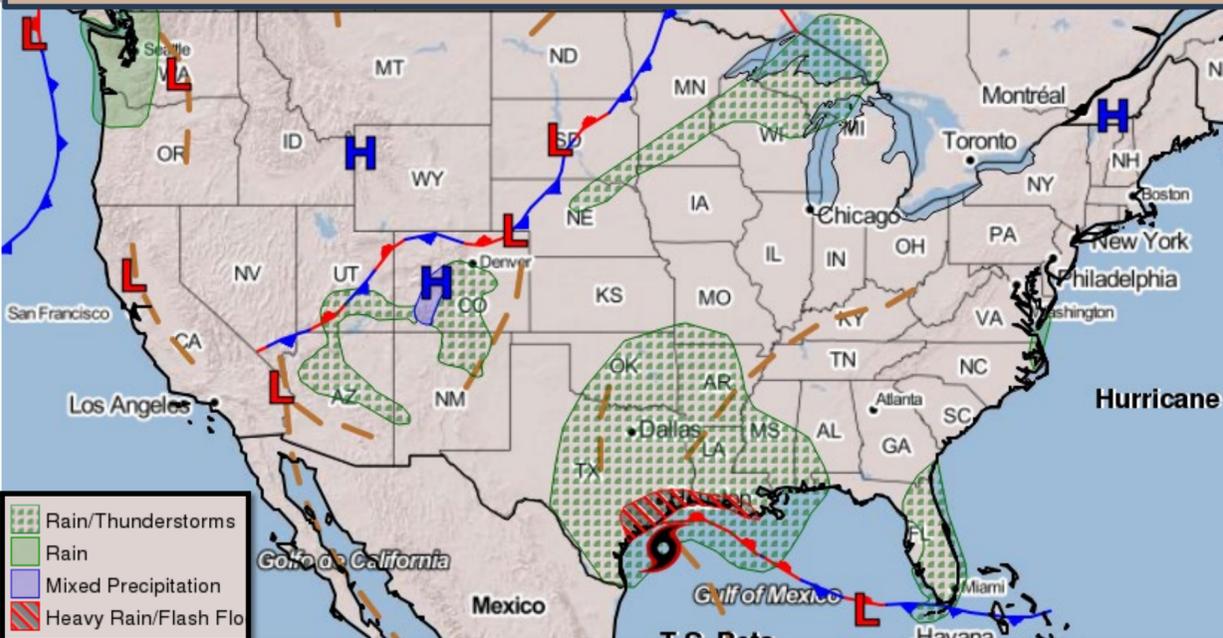
Forecast Chart

Forecast Rainfall

Heavy rainfall/flash flooding expected across SE TX and the TX coast.

Heavy rainfall and flash flooding likely across S LA and the LA coast.

Isolated tornadoes across the Mid/Upper TX Coast into SW LA.

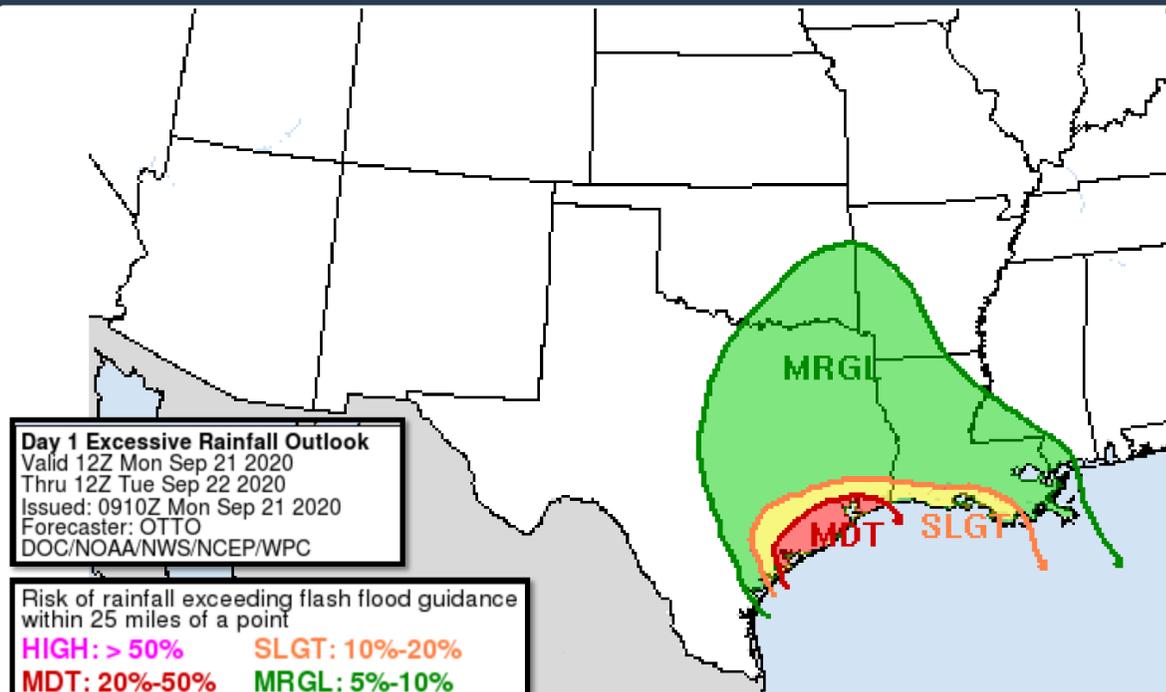
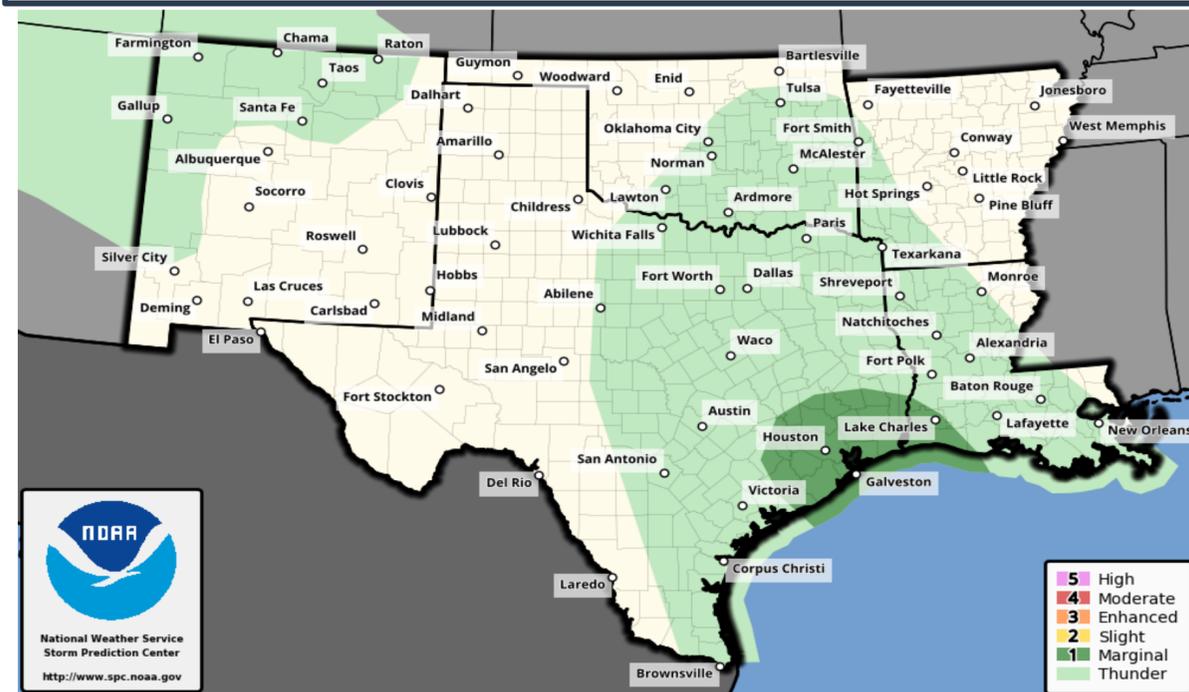


Weather Valid 8am EDT Mon Sep 21 2020 to 8am EDT Tue Sep 22 2020
Fronts Valid 8am EDT Mon Sep 21 2020
Issued 4:51 AM EDT Mon, Sep 21, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Putnam with WPC/SPC/NHC forecasts.

24-Hour Day 1 QPF
Valid 12Z Mon Sep 21 2020
Thru 12Z Tue Sep 22 2020
Issued: 0830Z Mon Sep 21 2020

Severe Weather Outlook

Excessive Rainfall Outlook



Day 1 Excessive Rainfall Outlook
Valid 12Z Mon Sep 21 2020
Thru 12Z Tue Sep 22 2020
Issued: 0910Z Mon Sep 21 2020
Forecaster: OTTO
DOC/NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

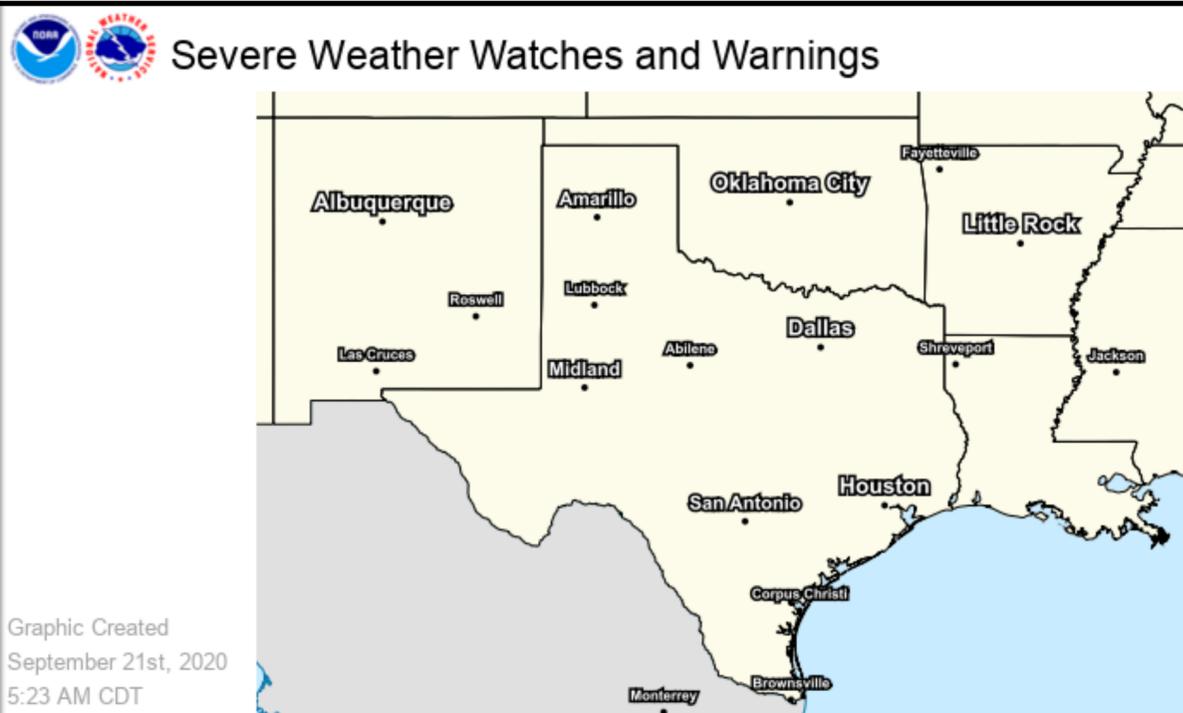
HIGH: > 50%	SLGT: 10%-20%
MDT: 20%-50%	MRGL: 5%-10%

Watches, Warnings, and Advisories



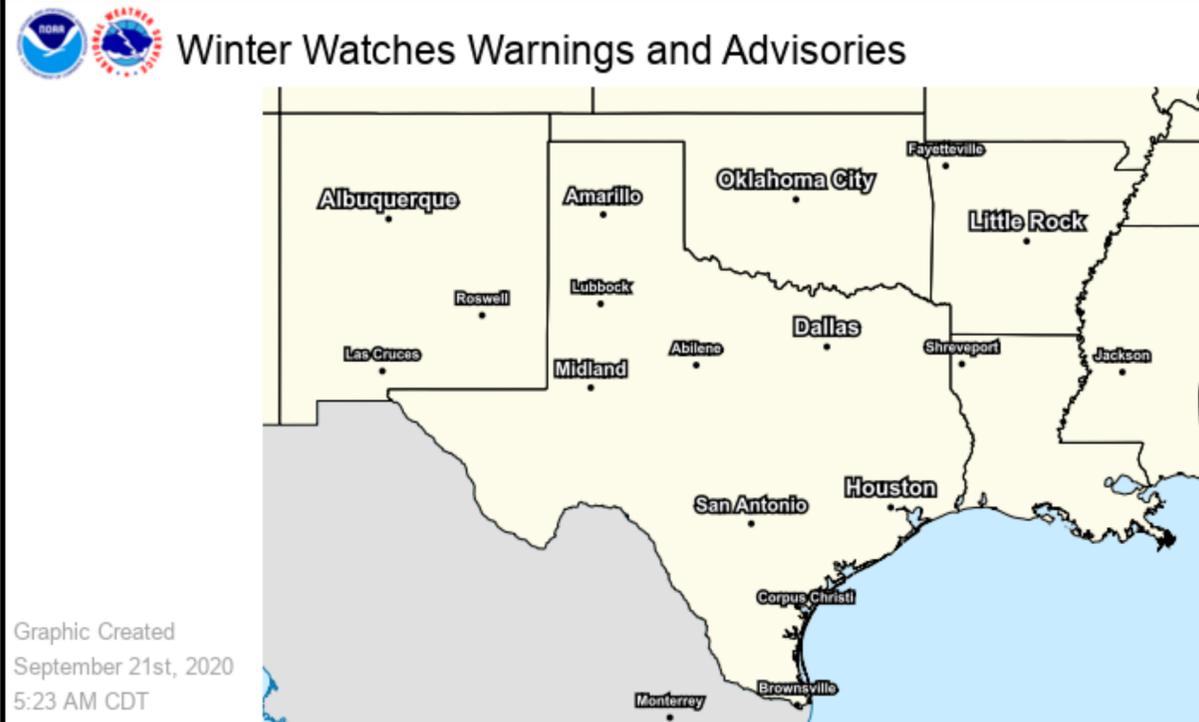
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Wind, Severe, Winter, and Flood Hazards



Tropical Storm and Storm Surge warnings for the TX and SW LA coasts.

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

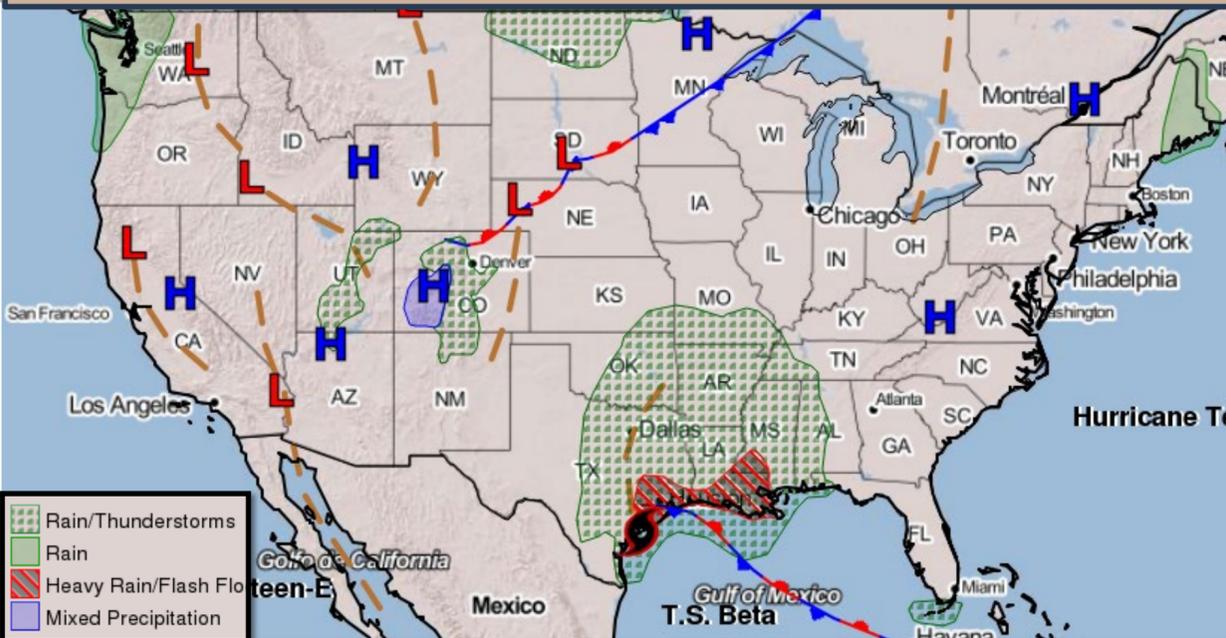


Tomorrow's Weather



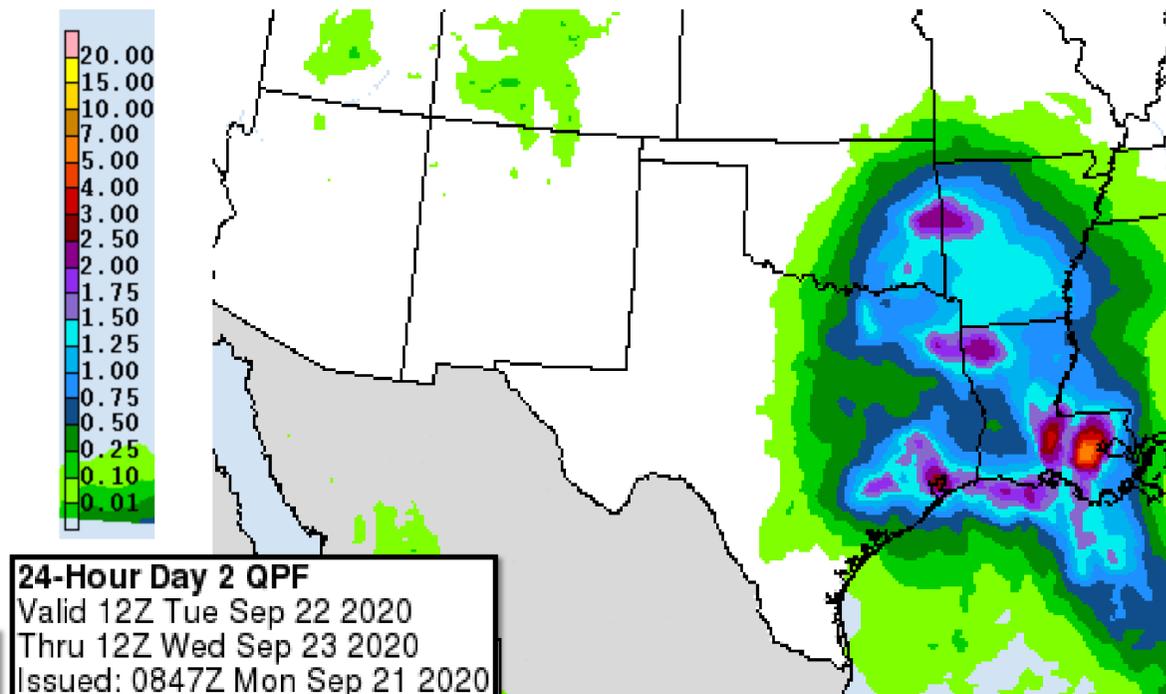
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Forecast Chart



Weather Valid 8am EDT Tue Sep 22 2020 to 8am EDT Wed Sep 23 2020
Fronts Valid 8am EDT Tue Sep 22 2020
Issued 4:55 AM EDT Mon, Sep 21, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Putnam with WPC/SPC/NHC forecasts.

Forecast Rainfall



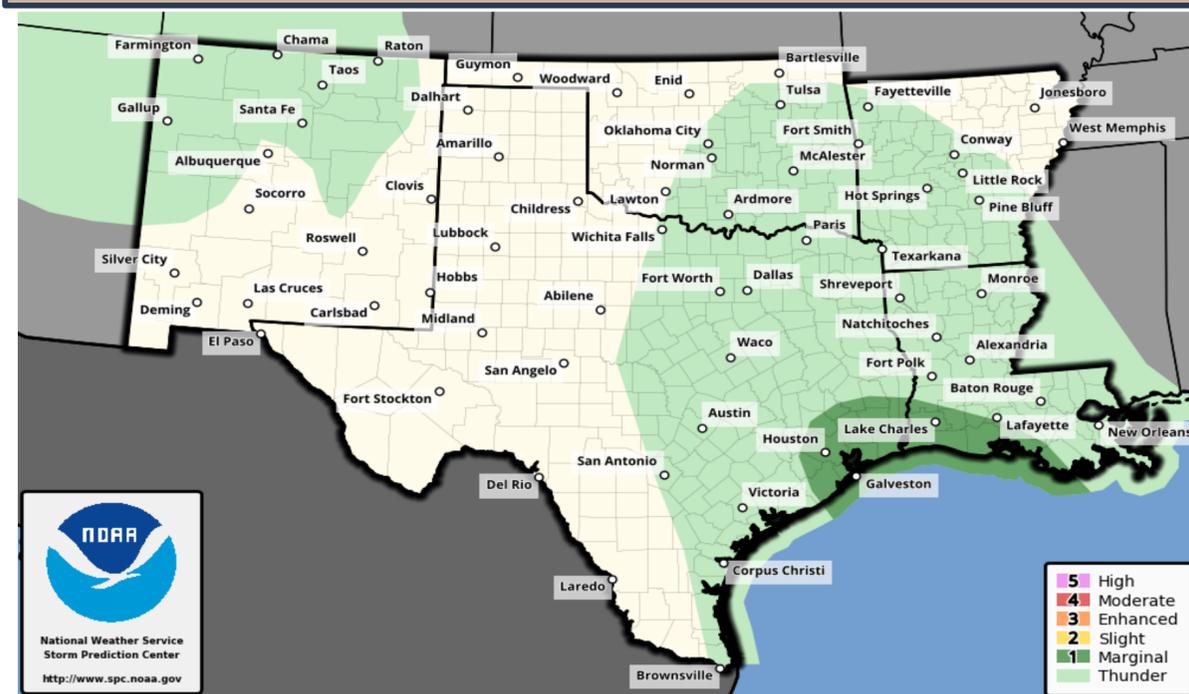
24-Hour Day 2 QPF
Valid 12Z Tue Sep 22 2020
Thru 12Z Wed Sep 23 2020
Issued: 0847Z Mon Sep 21 2020

Heavy rainfall/flash flooding expected across SE LA.

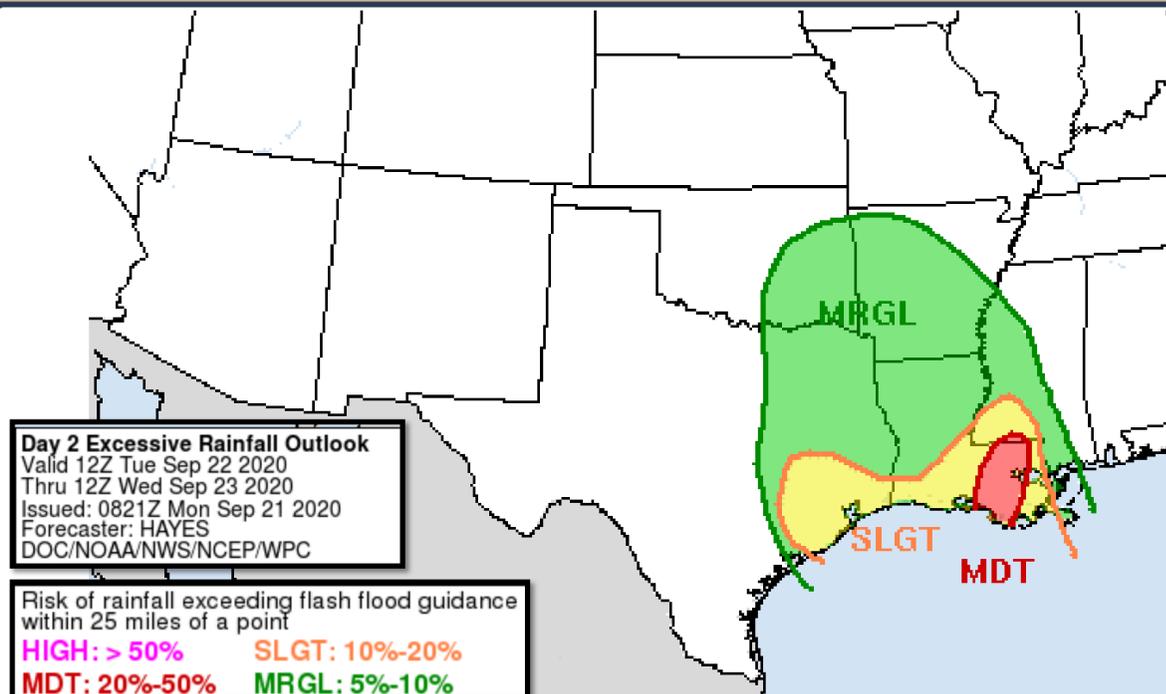
Heavy rainfall and flash flooding likely across SE TX and the LA coast.

Isolated tornadoes across the Upper TX Coast into SW LA.

Severe Weather Outlook



Excessive Rainfall Outlook



Day 2 Excessive Rainfall Outlook
Valid 12Z Tue Sep 22 2020
Thru 12Z Wed Sep 23 2020
Issued: 0821Z Mon Sep 21 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%**

Wednesday's Weather

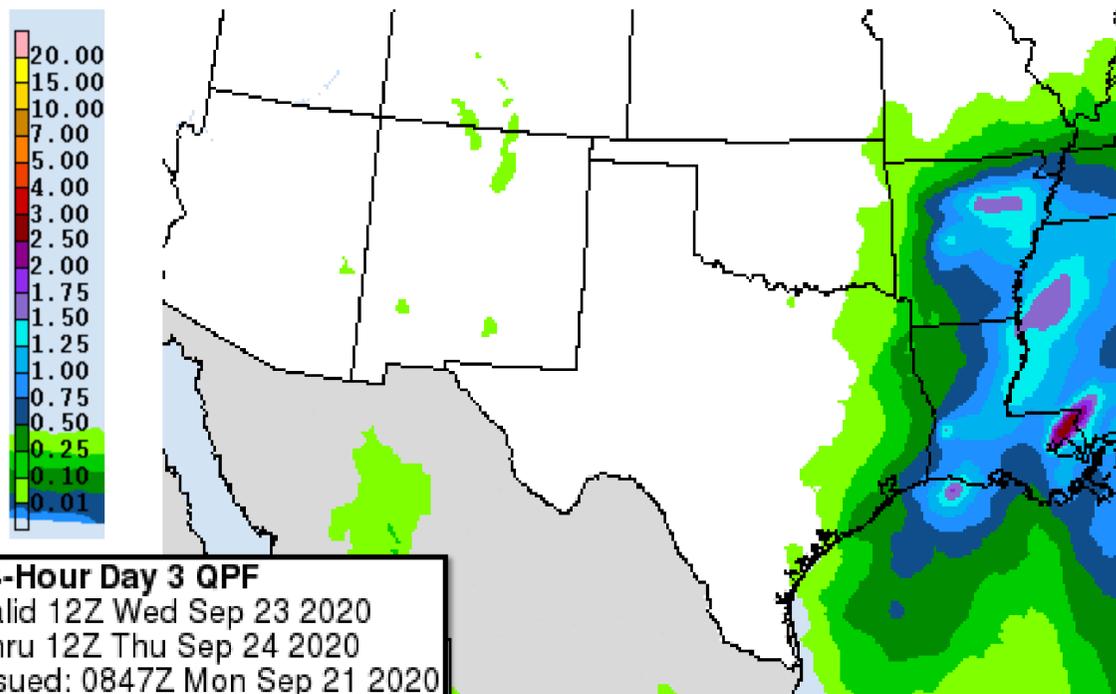
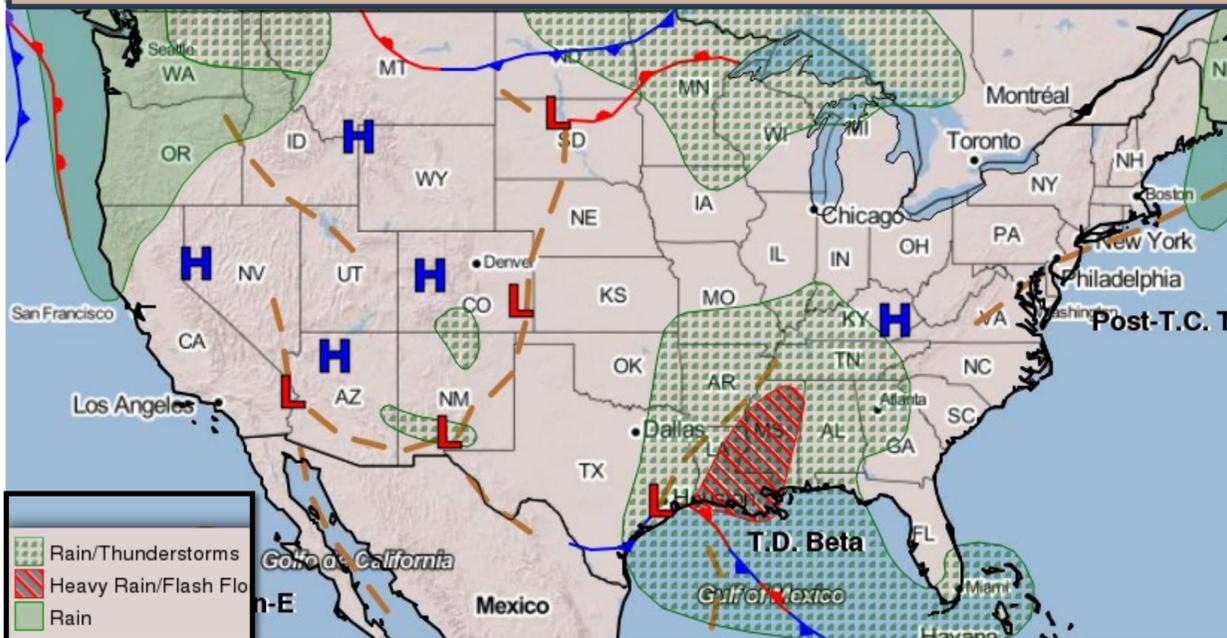


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Forecast Chart

Forecast Rainfall

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



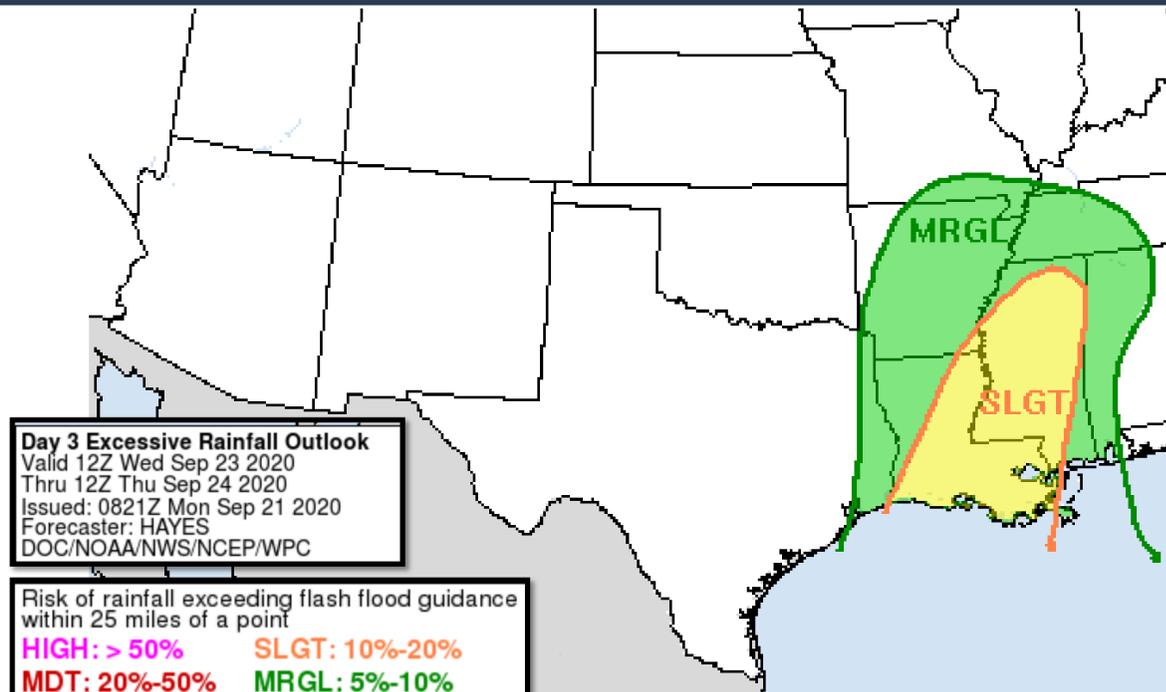
24-Hour Day 3 QPF
Valid 12Z Wed Sep 23 2020
Thru 12Z Thu Sep 24 2020
Issued: 0847Z Mon Sep 21 2020

Weather Valid 8am EDT Wed Sep 23 2020 to 8am EDT Thu Sep 24 2020
Fronts Valid 8am EDT Wed Sep 23 2020

Issued 4:57 AM EDT Mon, Sep 21, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Snell with WPC/SPC/NHC forecasts.

Severe Weather Outlook

Excessive Rainfall Outlook



Day 3 Excessive Rainfall Outlook
Valid 12Z Wed Sep 23 2020
Thru 12Z Thu Sep 24 2020
Issued: 0821Z Mon Sep 21 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%**



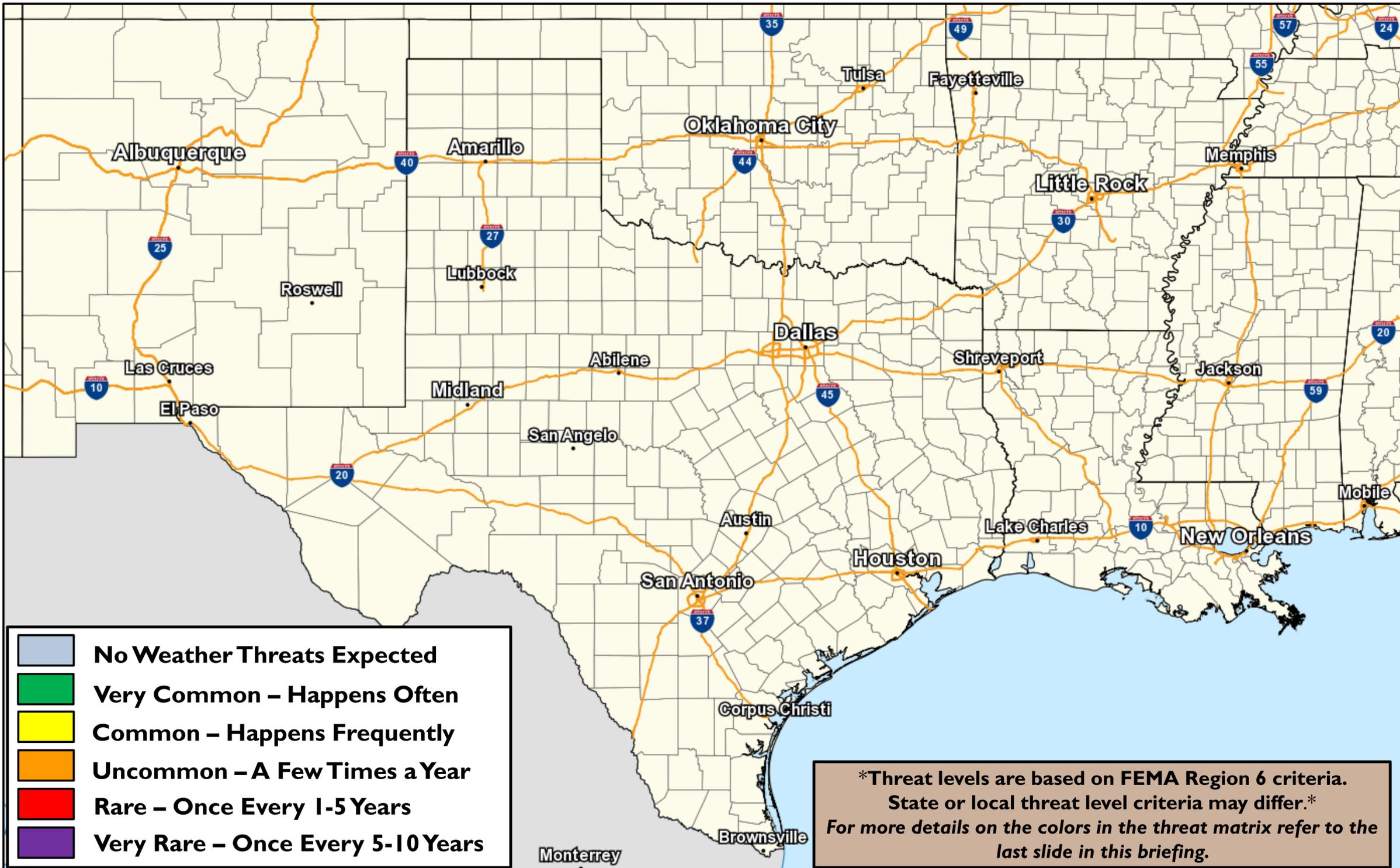
Days 4-5 Weather Hazards

Thursday - Friday



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No significant weather impacts expected.

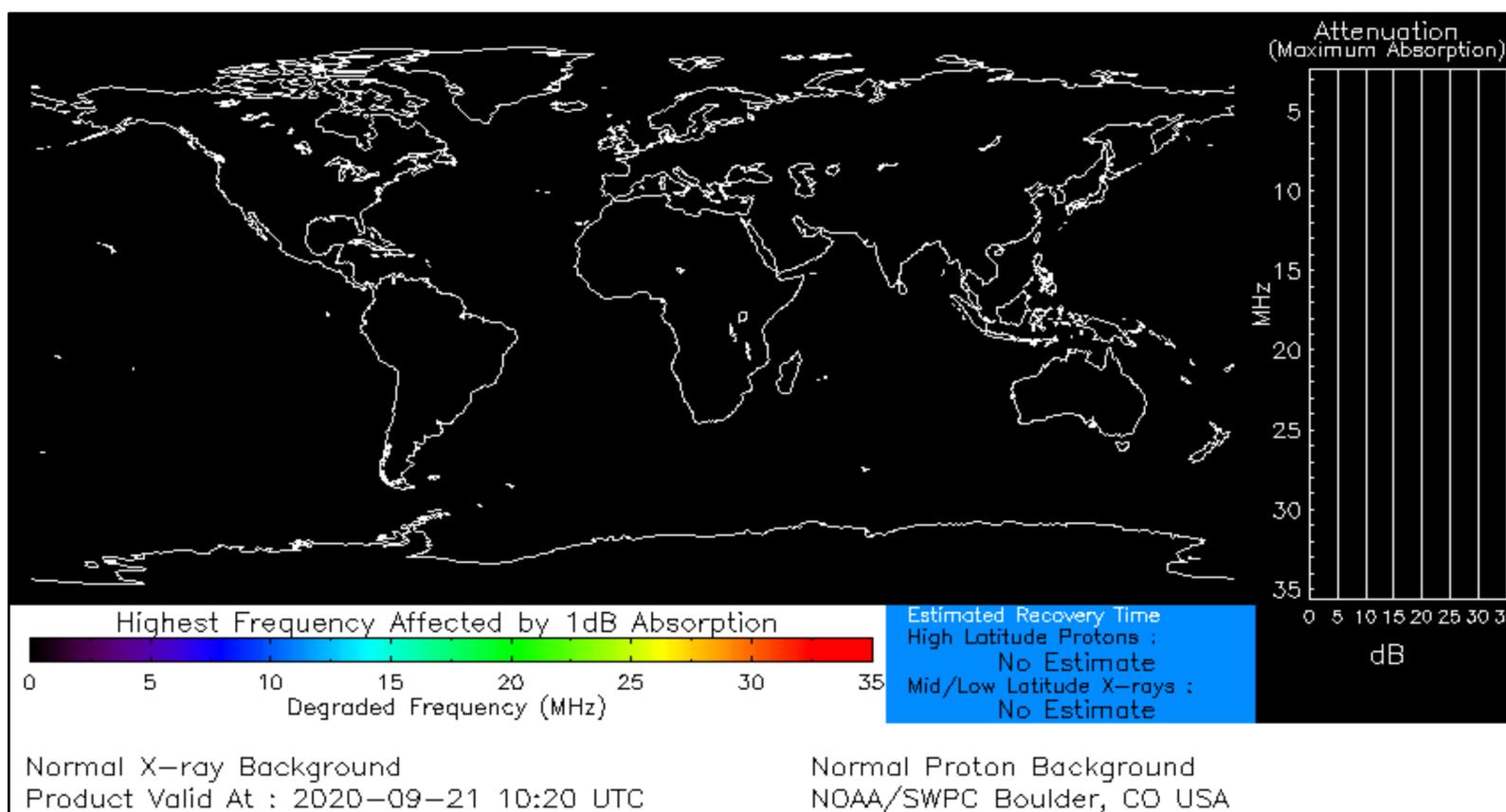


Space Weather 3-Day Forecast



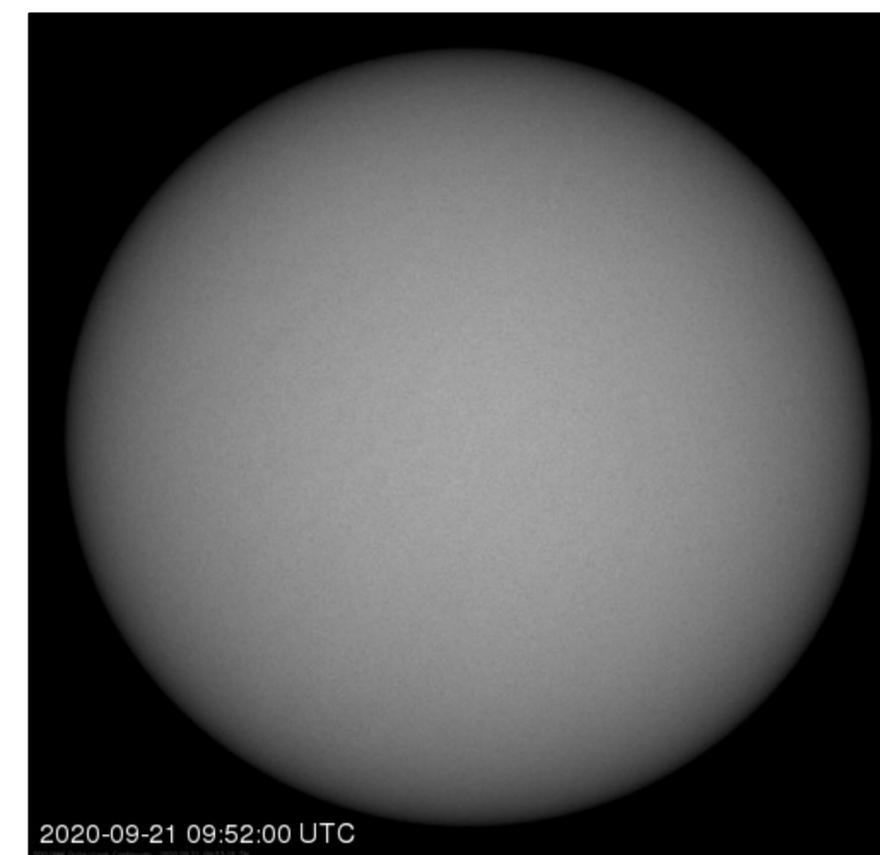
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	Monday	Tuesday	Wednesday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[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.