



FEMA



Prepared by  
*Jennifer McNatt*

# FEMA Region 6 Weather Threat Briefing

Saturday August 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](http://www.weather.gov/srh).



- **No significant weather is expected today.**
- **Tropical Storm Marco is expected to move into the central Gulf late Sunday/early Monday and towards the Region 6 coast Tuesday; tropical impacts along the TX/LA coasts are possible beginning Monday.**
- **Tropical Storm Laura is expected to move into SE Gulf early Tuesday and towards the Region 6 coast Wednesday; tropical impacts along the TX/LA coasts are possible beginning late Tuesday/early Wednesday.**

# FEMA Region 6 Threat Matrix



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Aug 22, 2020 - Aug 26, 2020

DAY / THREAT	Sat	Sun	Mon	Tue	Wed
Severe Storms					
Heavy Rain / Flash Flooding		SE LA	S LA, SETX	ETX, LA	TX
Fire Weather					
Tropical Winds / Surge		SE LA (Late)	LA, SETX	S LA, SETX	LA, ETX
Heat					
River Flooding					

	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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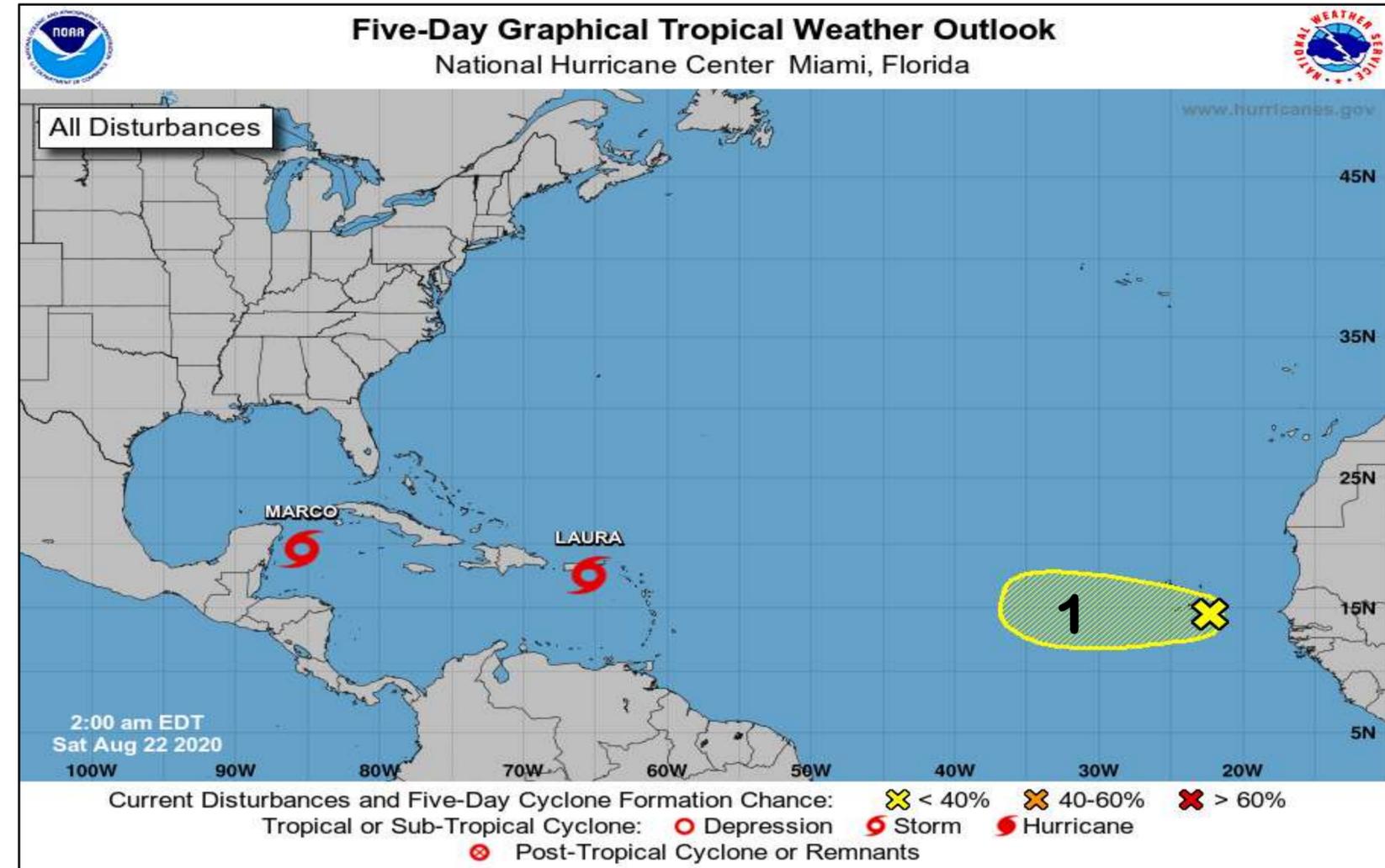
See next slides for more information

## 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
Laura	Impacts from Laura possible in LA by mid week.
Marco	Impacts from Marco possible in TX/LA by Monday/Tuesday.

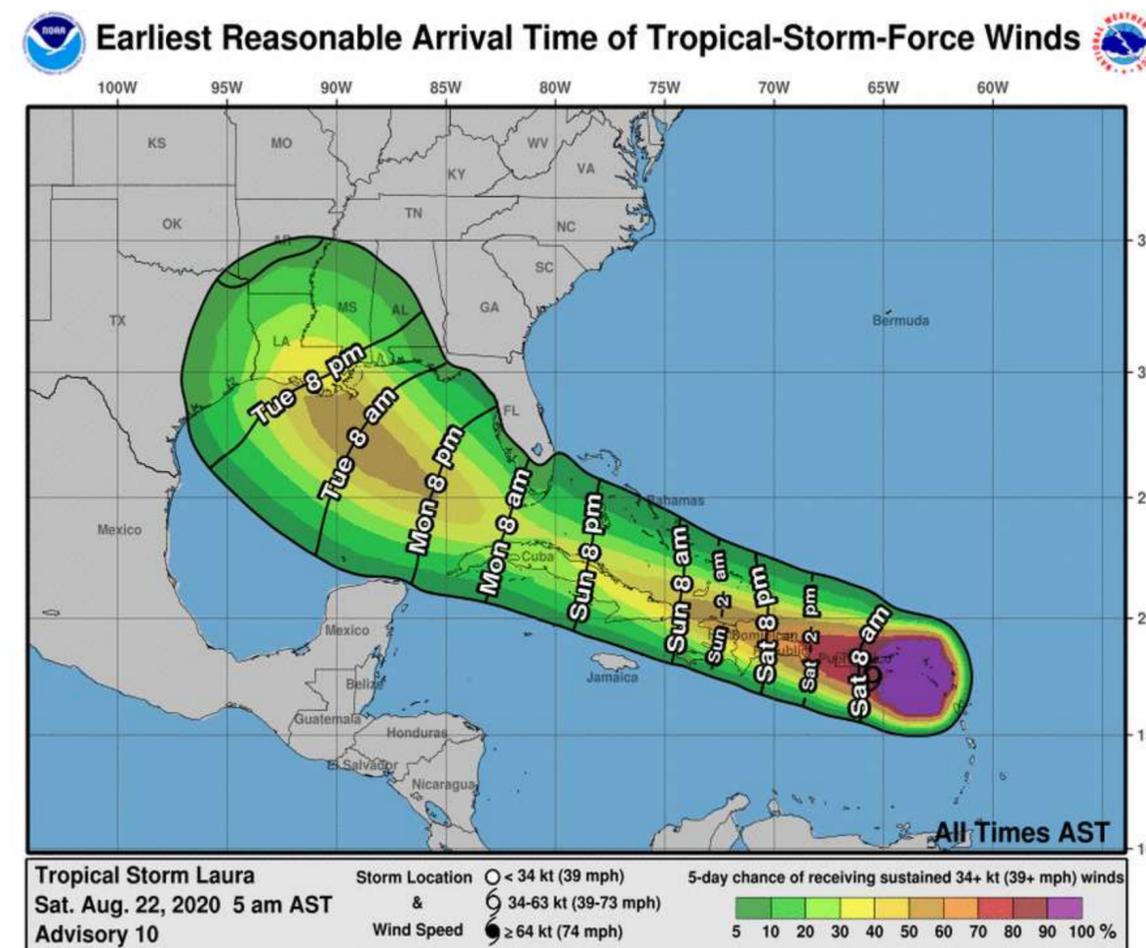


# Tropical Storm Laura



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**Tropical Storm Laura is 70 miles southeast of Puerto Rico and moving west around 21 mph, and is expected to move near or over Hispanola this afternoon and tonight, and near or over eastern Cuba Sunday and Sunday night. Maximum sustained winds are near 40 mph with higher gusts. Slow strengthening is expected during the next few days. There is low confidence in the extended forecast at this point, with many locations along the entire Gulf Coast having chances of seeing impacts at this point.**

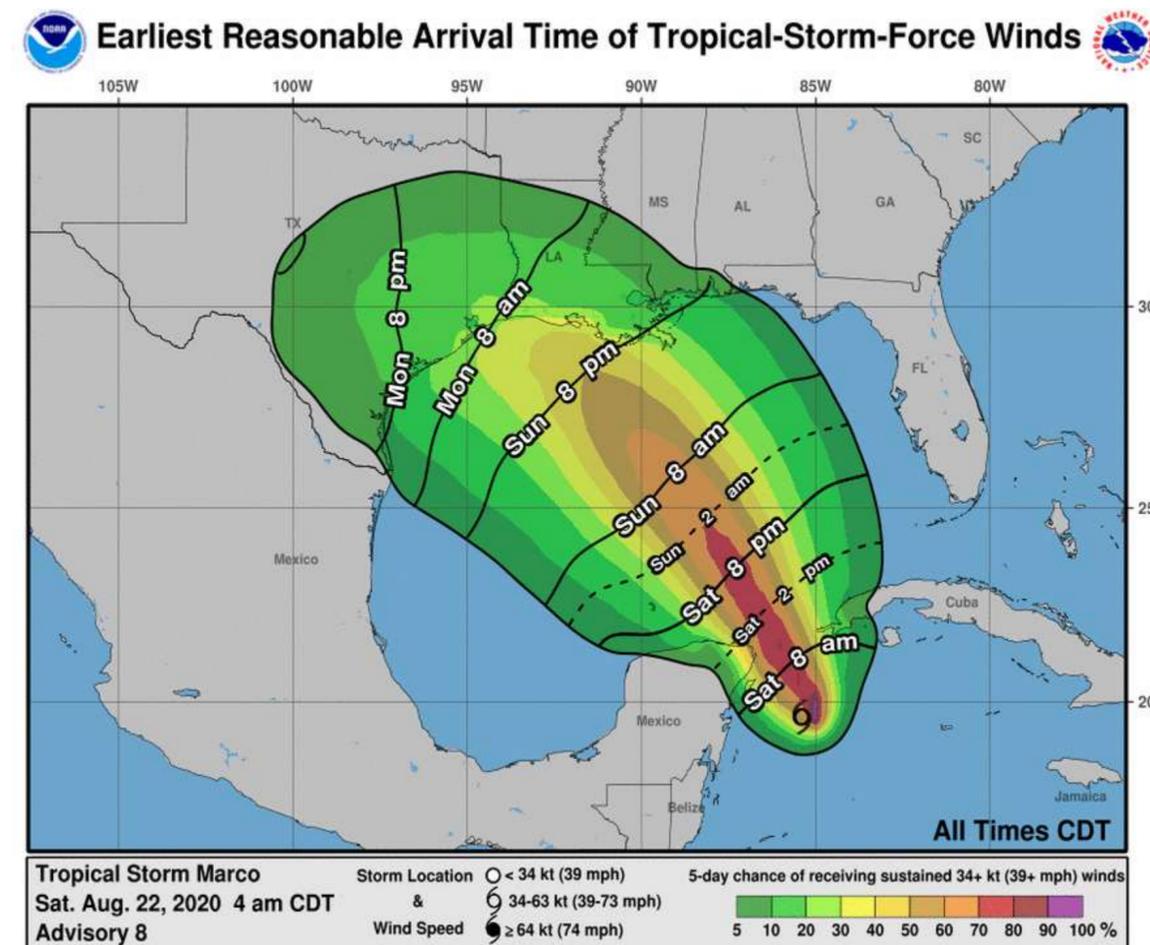


# Tropical Storm Marco



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**Tropical Storm Marco is moving north-northwest near 12 mph, and is expected to approach the east coast of the Yucatan Peninsula today and move over the Central Gulf towards the NW Gulf on Sunday and Monday. Maximum sustained winds are near 45 mph with higher gusts. Strengthening is forecast during the next couple of days, and Marco could be near hurricane strength when it moves over the central Gulf Sunday night and early Monday. There is lower confidence in the extended forecast at this point, especially in regards to the intensity and track of the system as it nears the Gulf Coast.**

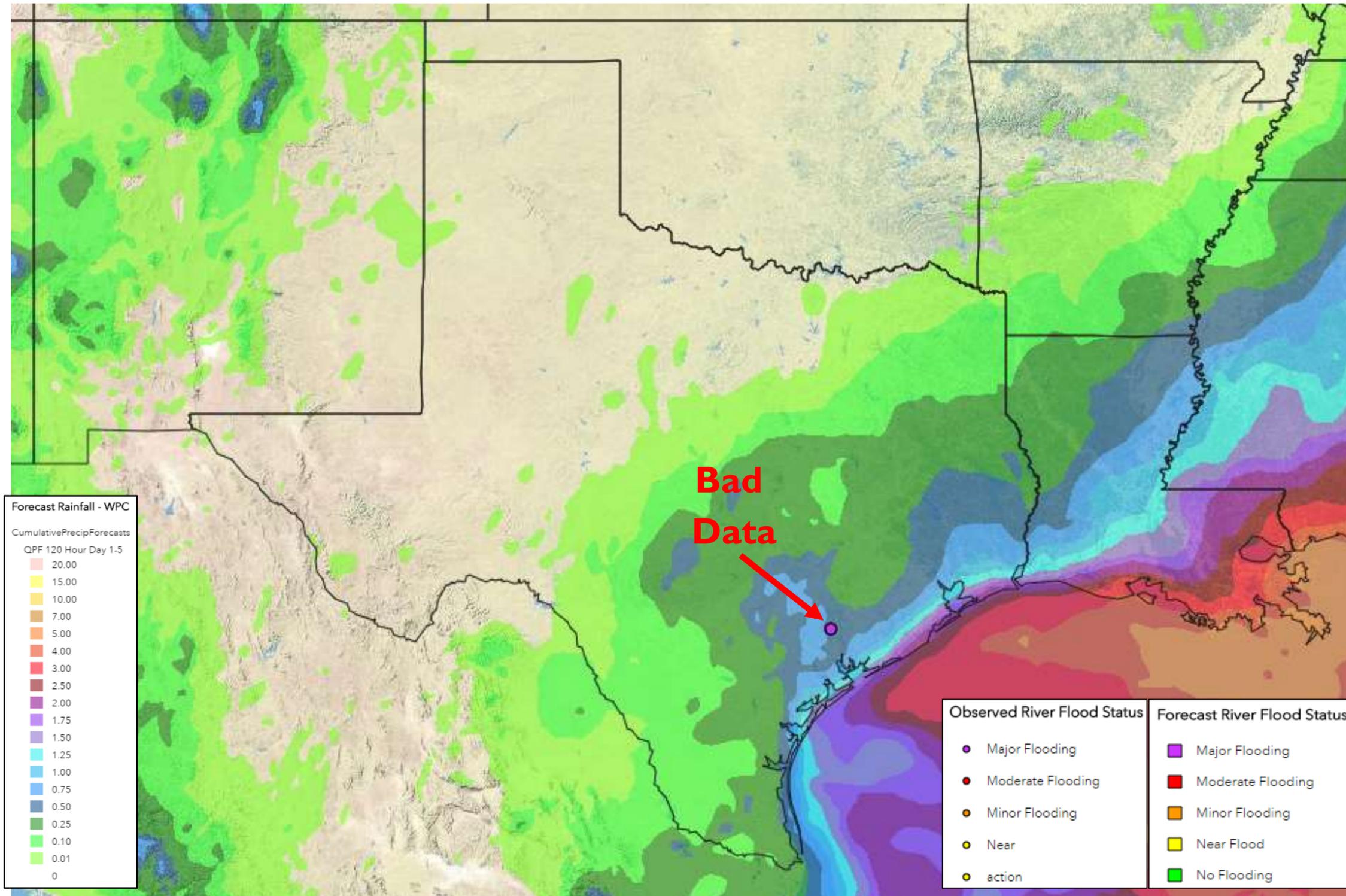


# 5-Day Precipitation Forecast & River Flood Status

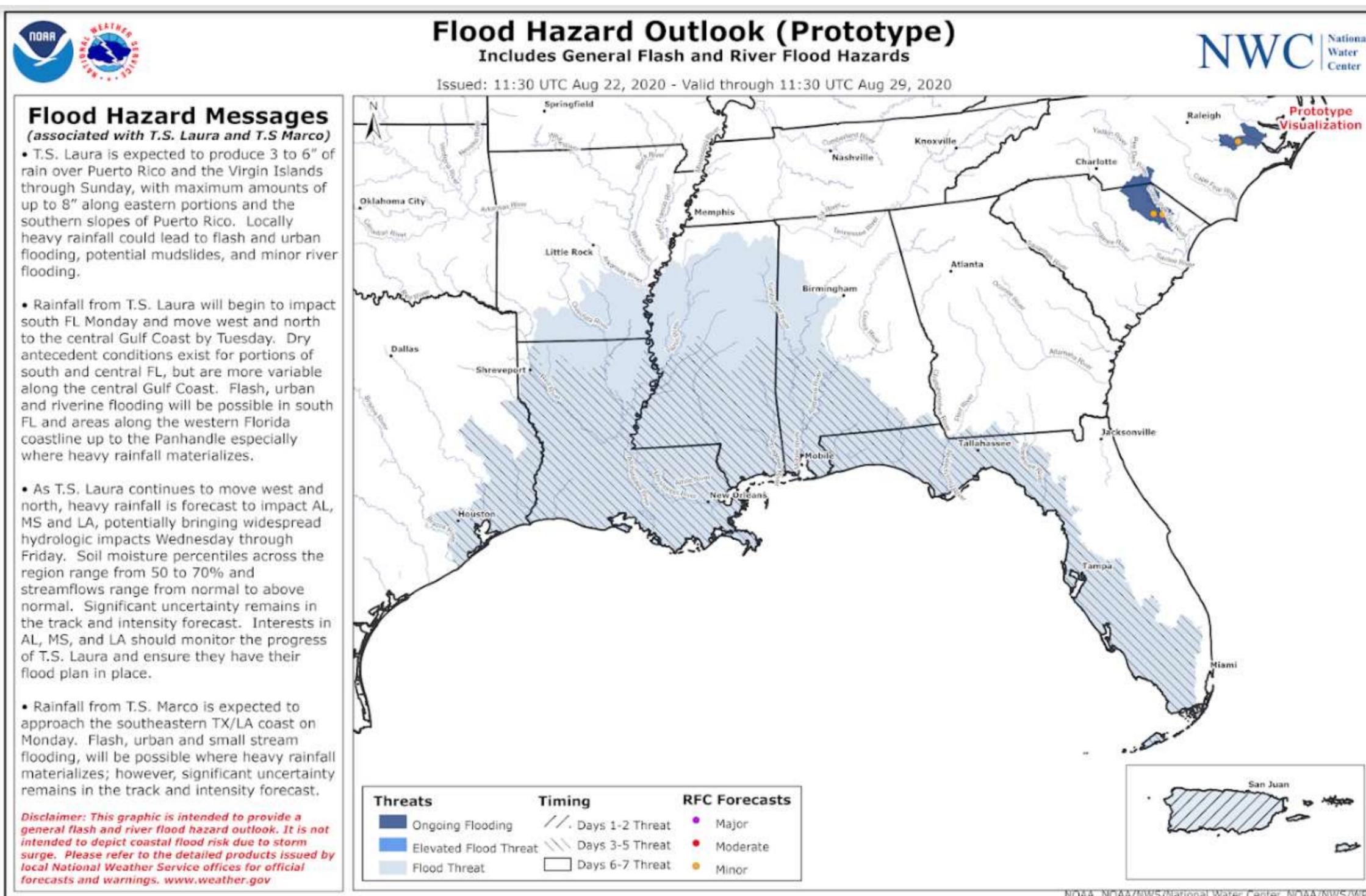


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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Rainfall along the Upper Texas Coast and Coastal LA is expected to begin Monday from Marco, and may continue into later in the week, especially over S LA & SETX from Laura. It is too early to pinpoint specific river basins that may see flooding, but see next slide for a general overview.



# Today's Weather

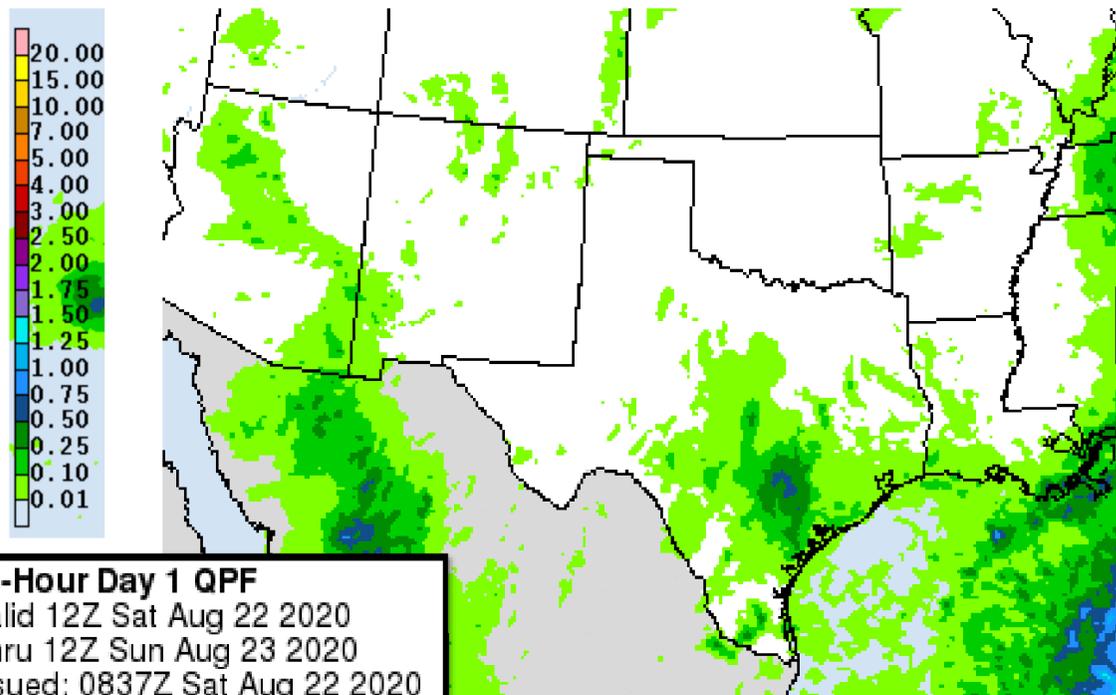
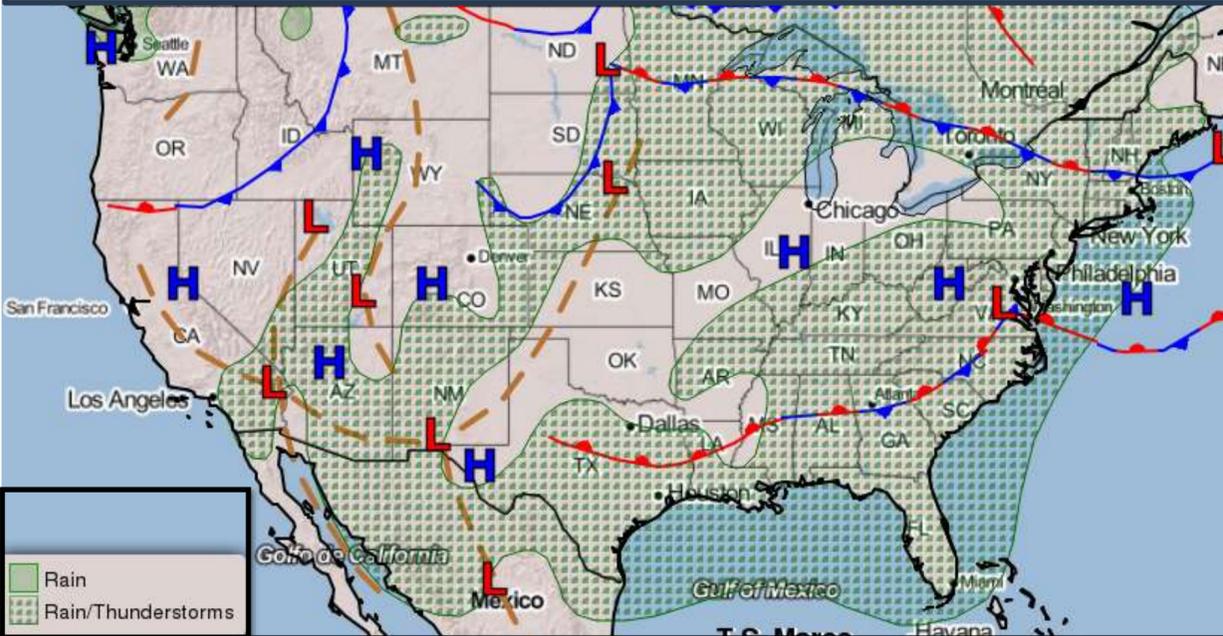


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## Forecast Chart

## Forecast Rainfall

No significant weather expected.

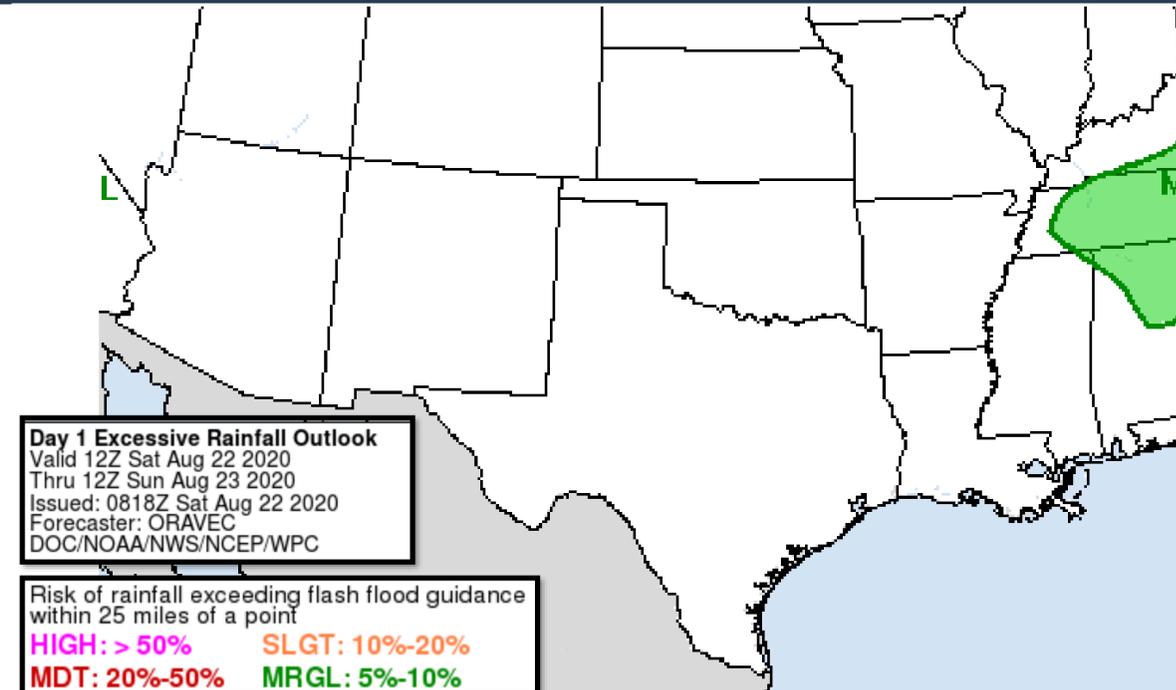


Weather Valid 8am EDT Sat Aug 22 2020 to 8am EDT Sun Aug 23 2020  
Fronts Valid 8am EDT Sat Aug 22 2020  
Issued 4:57 AM EDT Sat, Aug 22, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Snell with WPC/SPC/NHC forecasts.

24-Hour Day 1 QPF  
Valid 12Z Sat Aug 22 2020  
Thru 12Z Sun Aug 23 2020  
Issued: 0837Z Sat Aug 22 2020

## Severe Weather Outlook

## Excessive Rainfall Outlook



Day 1 Excessive Rainfall Outlook  
Valid 12Z Sat Aug 22 2020  
Thru 12Z Sun Aug 23 2020  
Issued: 0818Z Sat Aug 22 2020  
Forecaster: ORAVEC  
DOC/NOAA/NWS/NCEP/WPC

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

# Tomorrow's Weather

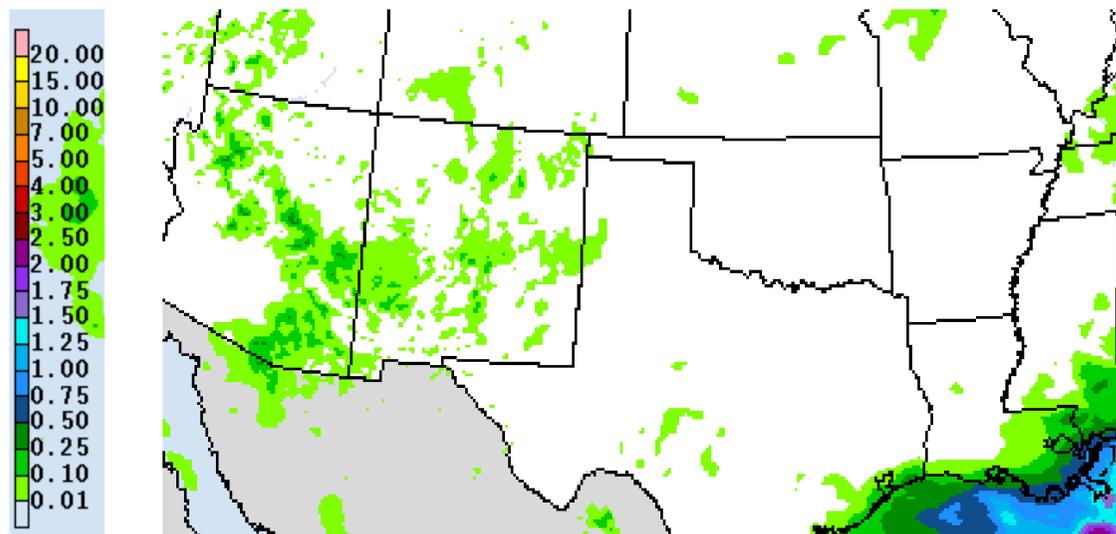
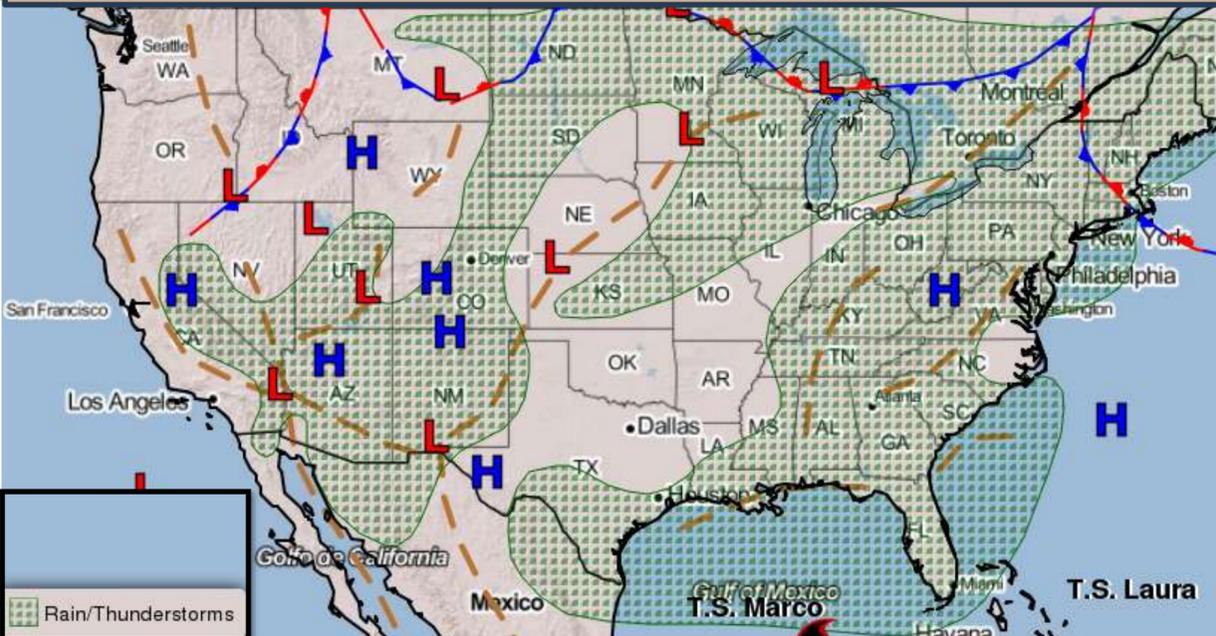


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## Forecast Chart

## Forecast Rainfall

Heavy rain/flash flooding possible over SE LA.

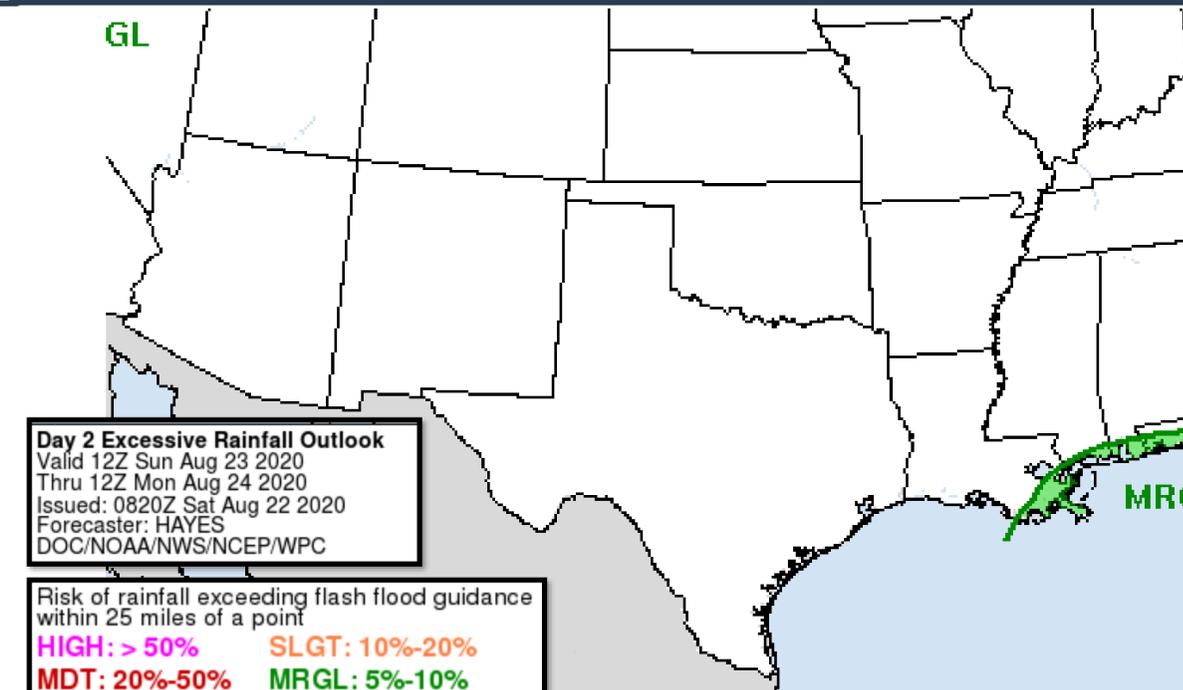


Weather Valid 8am EDT Sun Aug 23 2020 to 8am EDT Mon Aug 24 2020  
Fronts Valid 8am EDT Sun Aug 23 2020  
Issued 4:58 AM EDT Sat, Aug 22, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Snell with WPC/SPC/NHC forecasts.

24-Hour Day 2 QPF  
Valid 12Z Sun Aug 23 2020  
Thru 12Z Mon Aug 24 2020  
Issued: 0846Z Sat Aug 22 2020

## Severe Weather Outlook

## Excessive Rainfall Outlook



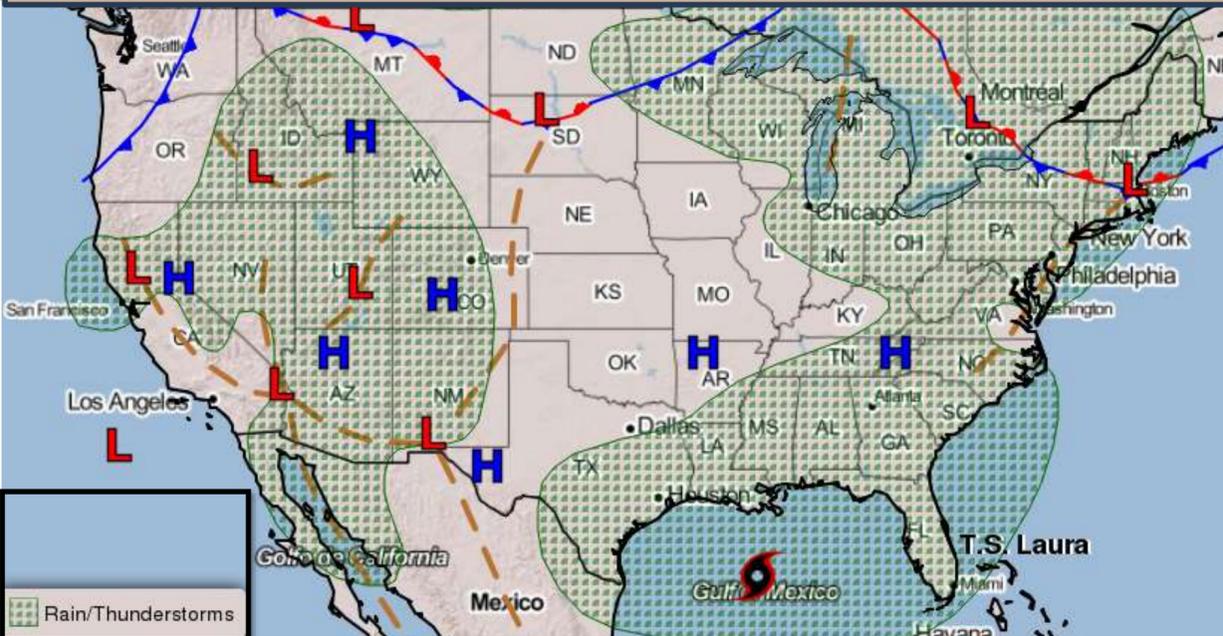
Day 2 Excessive Rainfall Outlook  
Valid 12Z Sun Aug 23 2020  
Thru 12Z Mon Aug 24 2020  
Issued: 0820Z Sat Aug 22 2020  
Forecaster: HAYES  
DOC/NOAA/NWS/NCEP/WPC  
Risk of rainfall exceeding flash flood guidance within 25 miles of a point  
HIGH: > 50% SLGT: 10%-20%  
MDT: 20%-50% MRGL: 5%-10%

# Monday's Weather



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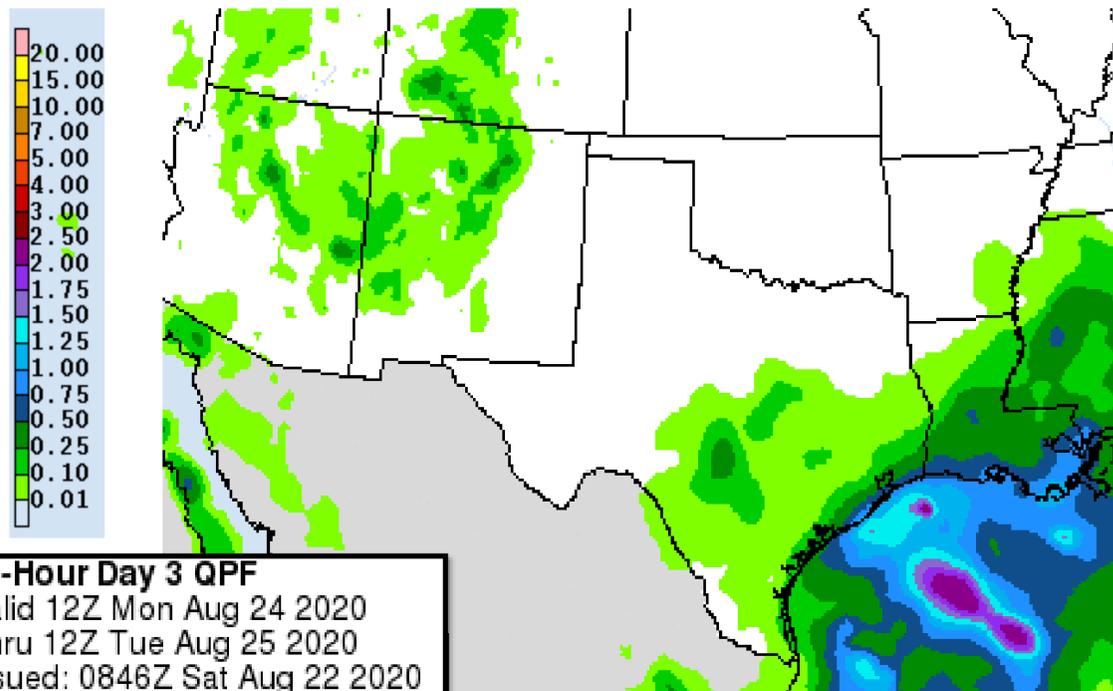
## Forecast Chart



Weather Valid 8am EDT Mon Aug 24 2020 to 8am EDT Tue Aug 25 2020  
Fronts Valid 8am EDT Mon Aug 24 2020

Issued 5:00 AM EDT Sat, Aug 22, 2020  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Snell with WPC/SPC/NHC forecasts.

## Forecast Rainfall

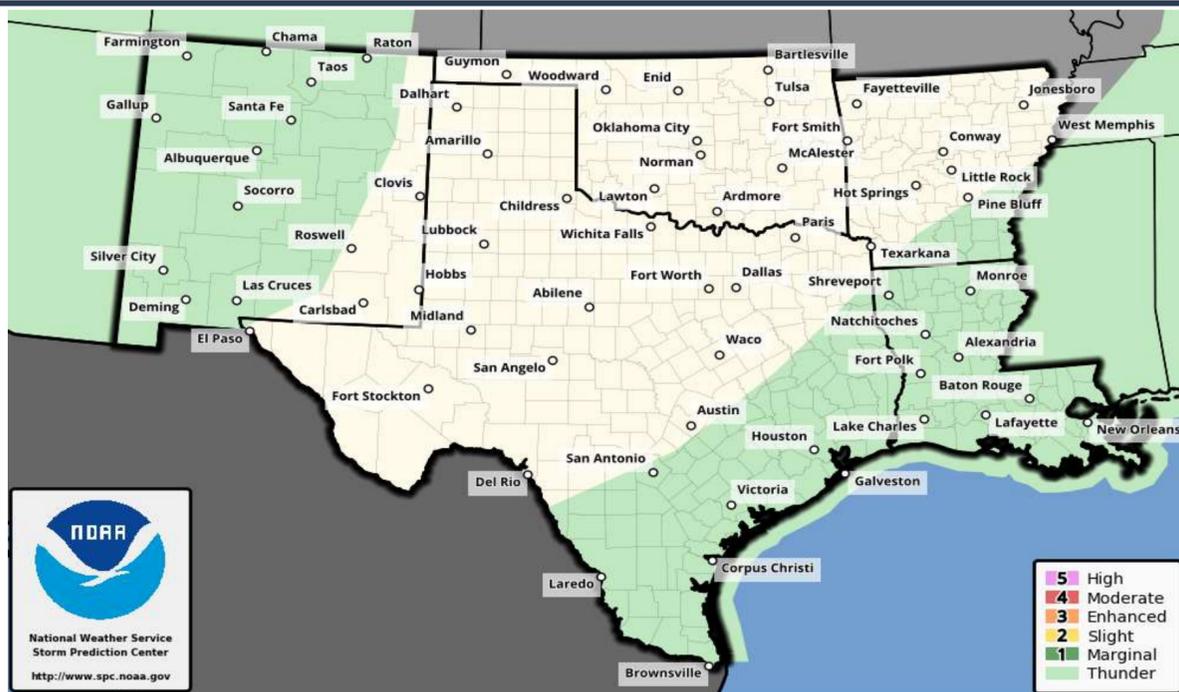


**24-Hour Day 3 QPF**  
Valid 12Z Mon Aug 24 2020  
Thru 12Z Tue Aug 25 2020  
Issued: 0846Z Sat Aug 22 2020

**Heavy rain/flash flooding possible over S LA/SE TX.**

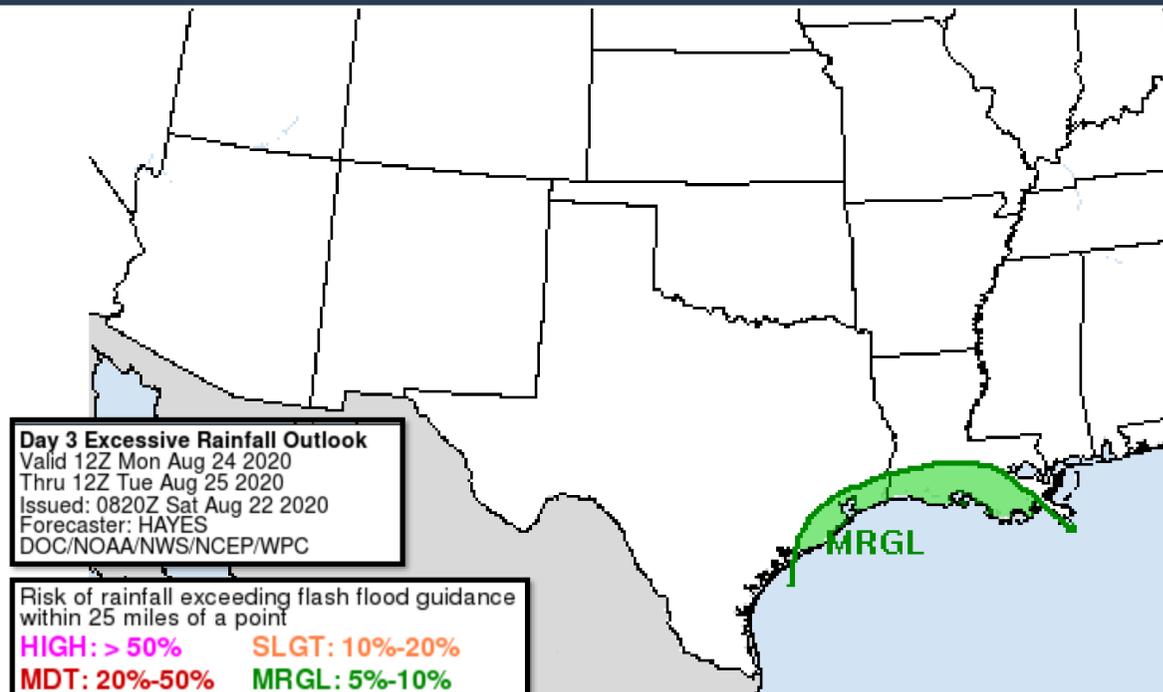
**Tropical storm force winds from Marco are possible as early as Sunday night in SE LA, but are most likely on Monday, spreading into LA and SE TX.**

## Severe Weather Outlook



5 High  
4 Moderate  
3 Enhanced  
2 Slight  
1 Marginal  
Thunder

## Excessive Rainfall Outlook



**Day 3 Excessive Rainfall Outlook**  
Valid 12Z Mon Aug 24 2020  
Thru 12Z Tue Aug 25 2020  
Issued: 0820Z Sat Aug 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%**

# Days 4-5 Weather Hazards

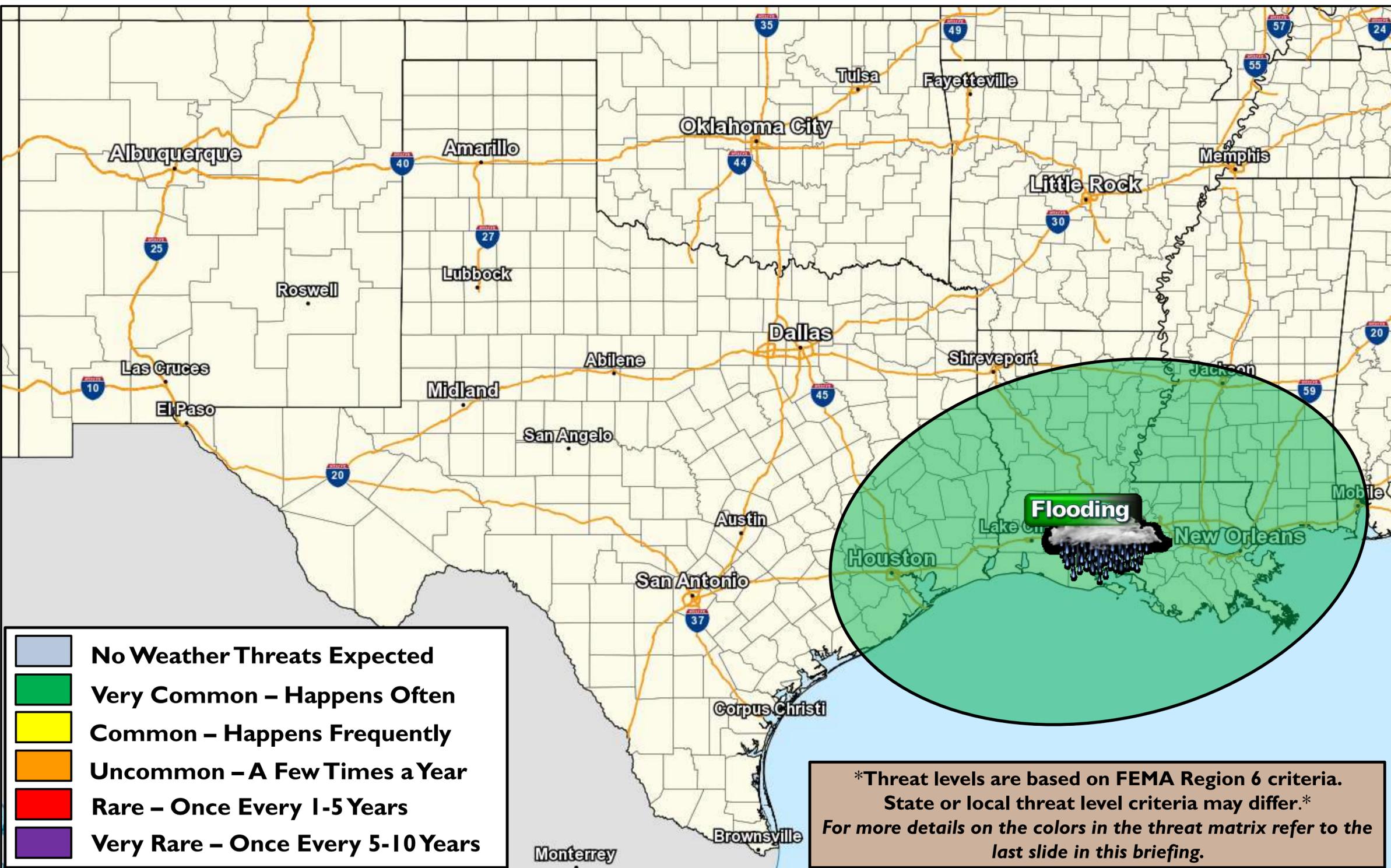
Tuesday - Wednesday



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Isolated heavy rain possible in SE TX and LA during this time period, but highly dependent on the eventual track of Marco and Laura.

Tropical Storm force winds from Laura may arrive as early as Tuesday in SE LA, but are expected overnight Tuesday/Wednesday morning. Additional storm-related hazards from Laura are possible during this time period as well (heavy rain, surge).

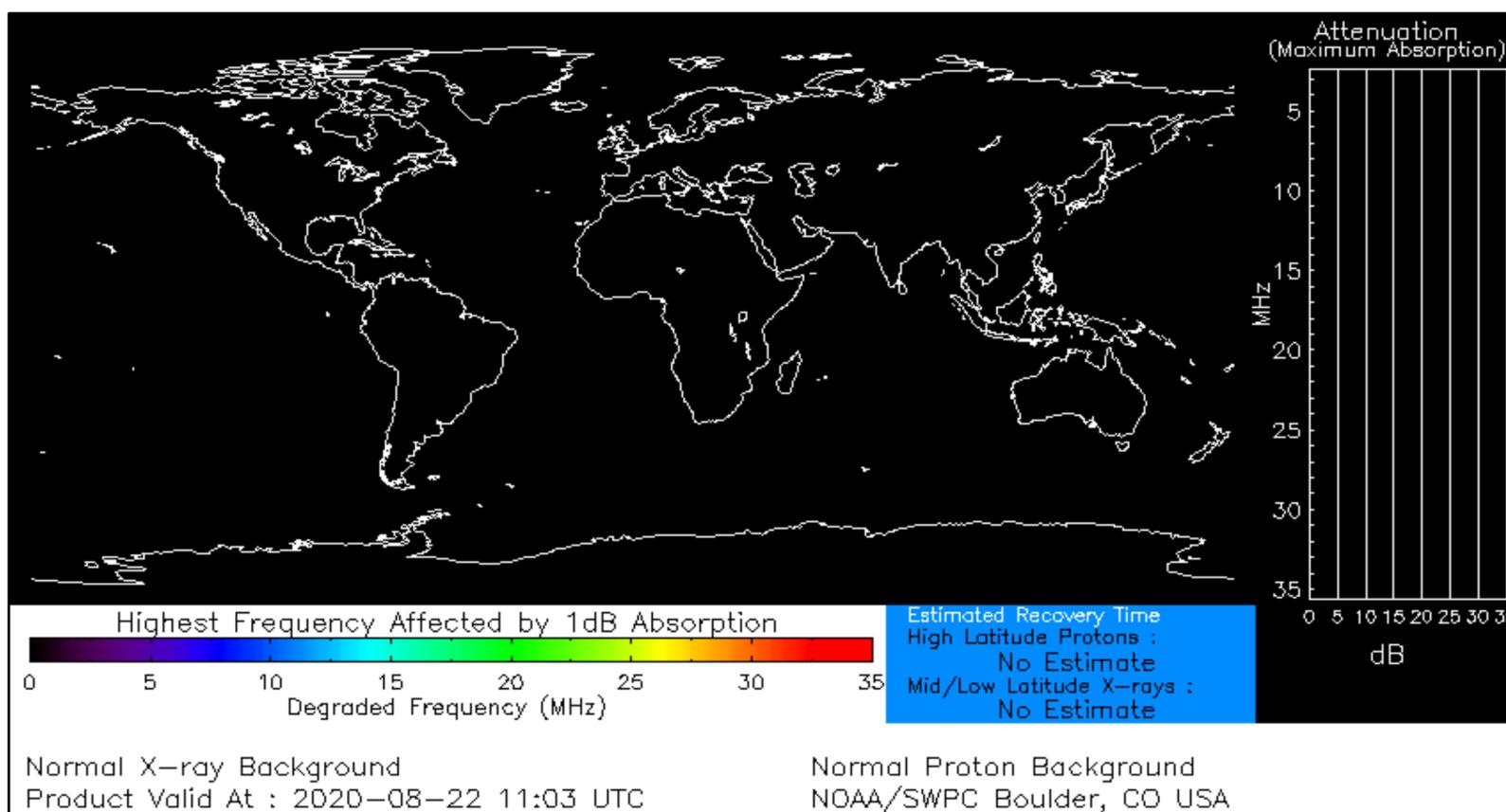


# Space Weather 3-Day Forecast



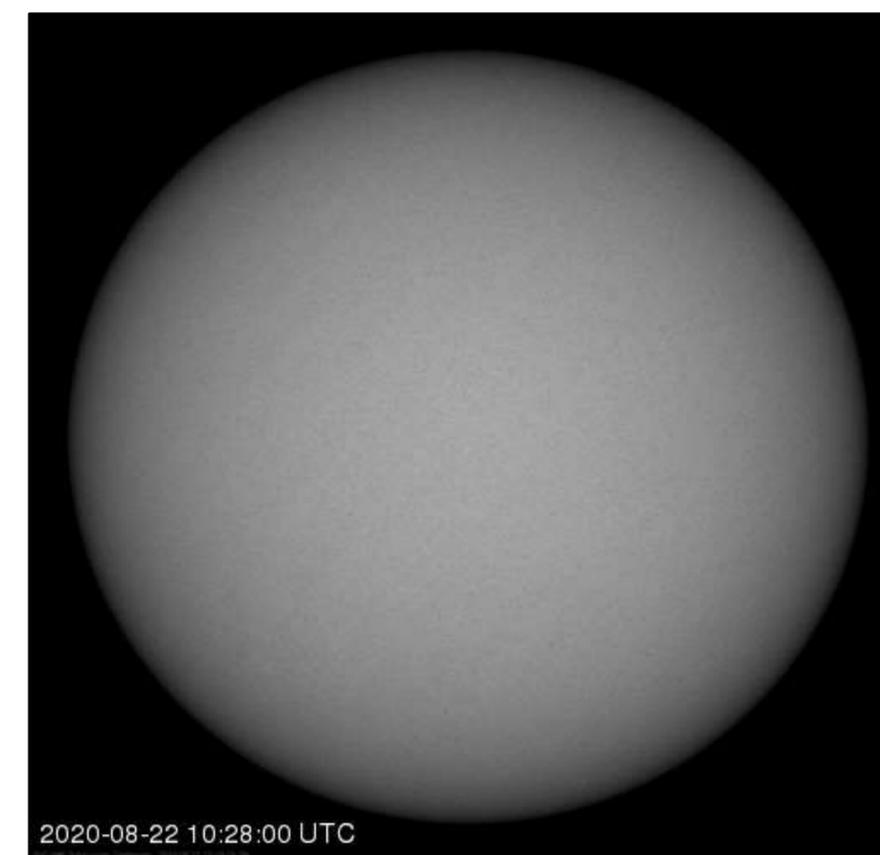
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	Saturday	Sunday	Monday
<b>Geomagnetic Storms</b>	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	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).**