



FEMA



Prepared by
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Monday October 5, 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.



- **Elevated/critical fire weather conditions across NM today.**
- **Tropical Storm Delta is forecast to strengthen into a hurricane and approach the Gulf Coast with potential impacts beginning Thursday.**
- **No impacts from Tropical Storm Gamma are expected as it meanders along/near the Yucatan Peninsula/SE Mexico coast, staying well south of FEMA Region 6.**

FEMA Region 6 Threat Matrix

Oct 5, 2020 - Oct 9, 2020



SR ROC
REGIONAL OPERATIONS CENTER

DAY / THREAT	Mon	Tue	Wed	Thu	Fri
Severe Storms					
Heavy Rain / Flash Flooding				SE LA	E LA
Fire Weather	NM				
Tropical Winds / Surge				LA SETX	LA
Winter Weather					
River Flooding	LA	LA	LA	LA	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



SR ROC
REGIONAL OPERATIONS CENTER

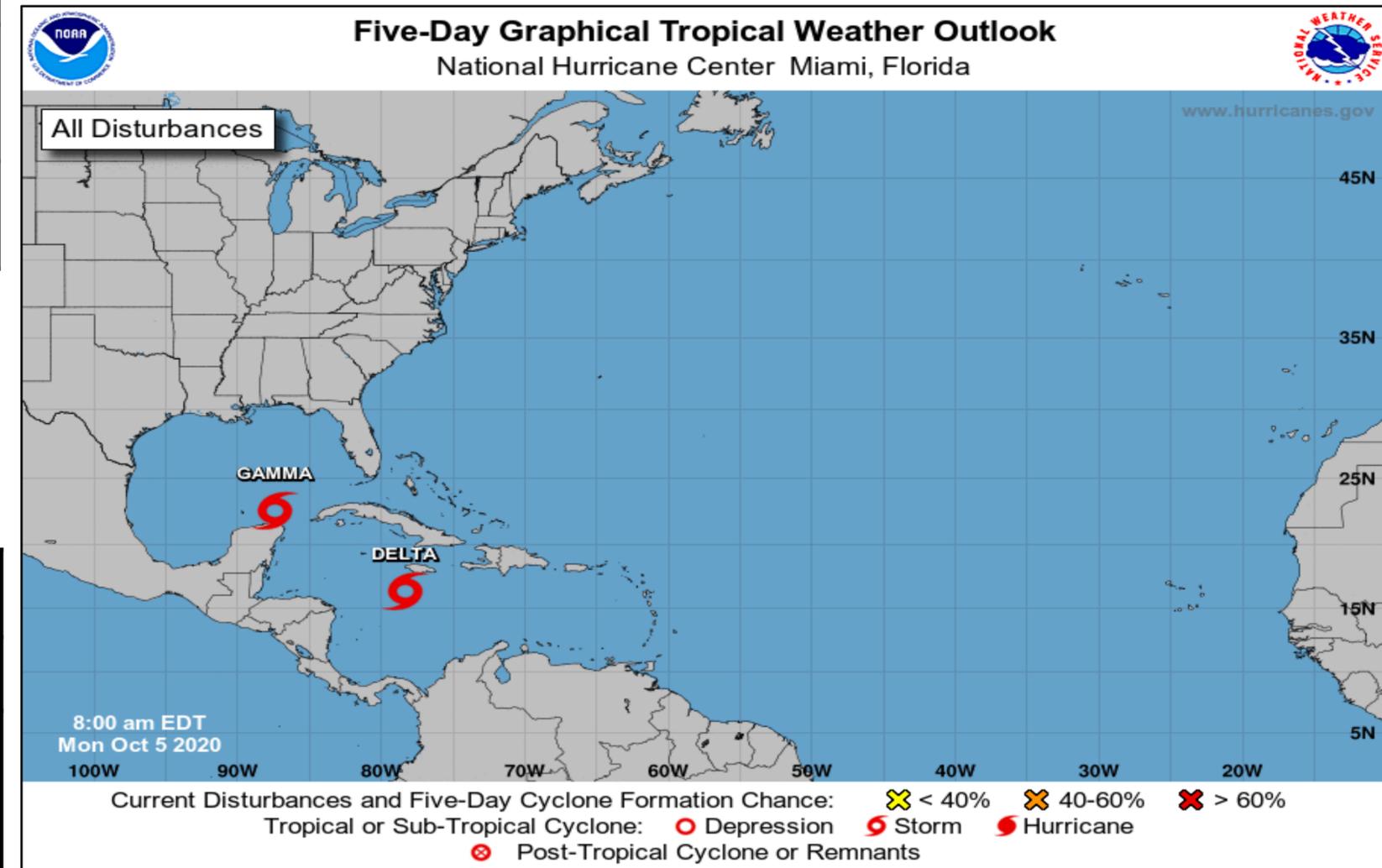
See next slides for more information on Gamma and PTC 26

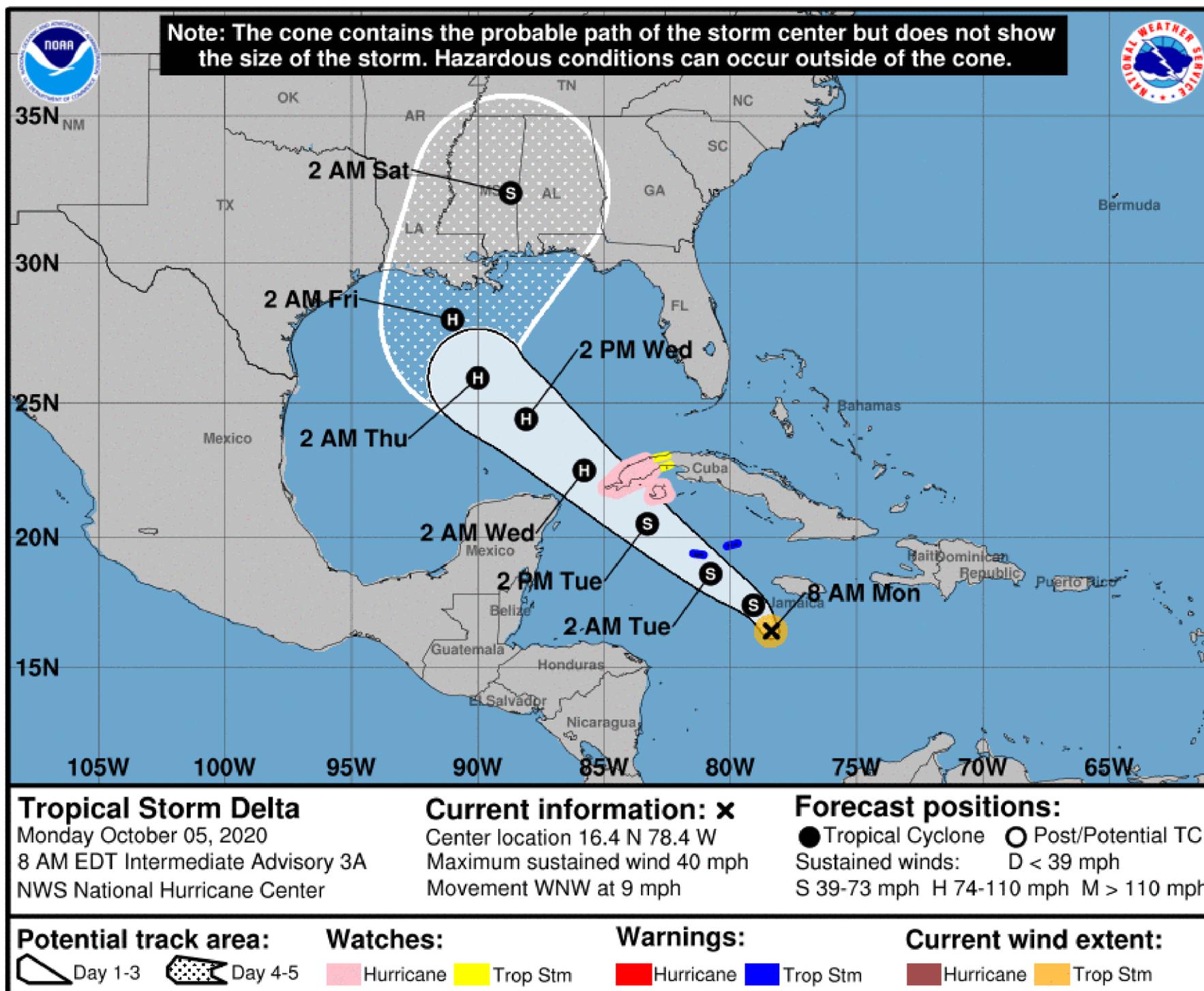
Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
-		

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
Delta	Storm surge, flooding, and TS to hurricane force winds along the LA coast. Inland heavy rain/flash flood and TS wind potential for LA.
Gamma	None.





Summary: Tropical Storm Delta is forecast to strengthen and develop into a hurricane by late Tuesday/early Wednesday .

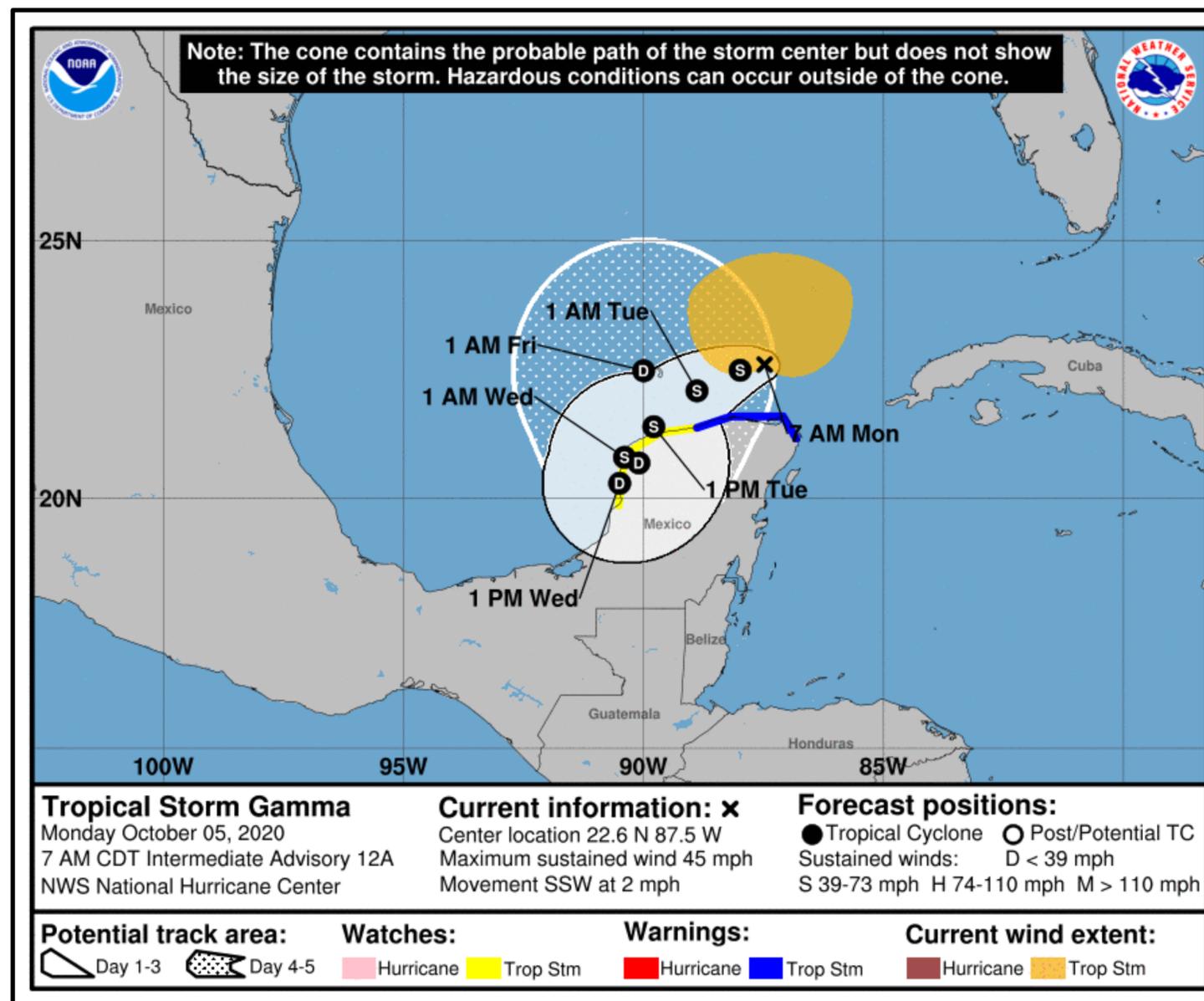
POTENTIAL Impacts: Storm surge, heavy rainfall and the possibility for tropical storm to hurricane force winds for the Louisiana coast Thursday.

Low chance for surge/winds also for Southeast TX depending on the eventual track of Delta.

Inland heavy rain/flash flood and tropical storm force wind potential for Louisiana Thursday into Friday.

Reminder: The average 4- and 5-day NHC track forecast errors are about 160 to 200 miles at those time periods, respectively.

No impacts from Tropical Storm Gamma are expected as it meanders along/near the Yucatan Peninsula/SE Mexico coast, staying well south of FEMA Region 6.



5-Day Precipitation Forecast & River Flood Status

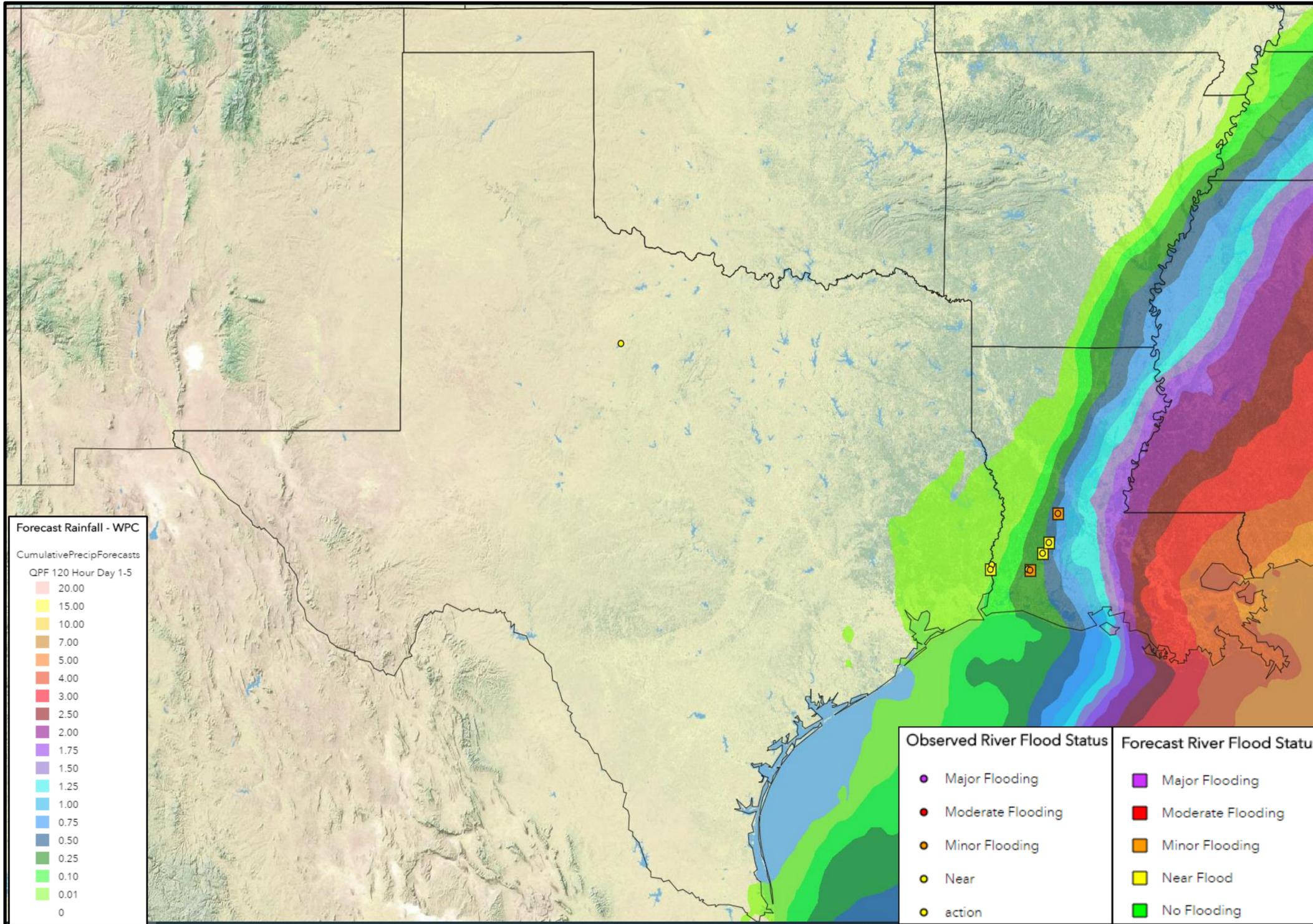


SR ROC
REGIONAL OPERATIONS CENTER

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

Isolated minor river flooding continues in LA.
Impacts: Secondary roads and low lying areas.

Too early to determine river flood potential from forecast rainfall due to high level of uncertainty in the forecast track of Delta in the 4-5 day period.



Today's Weather

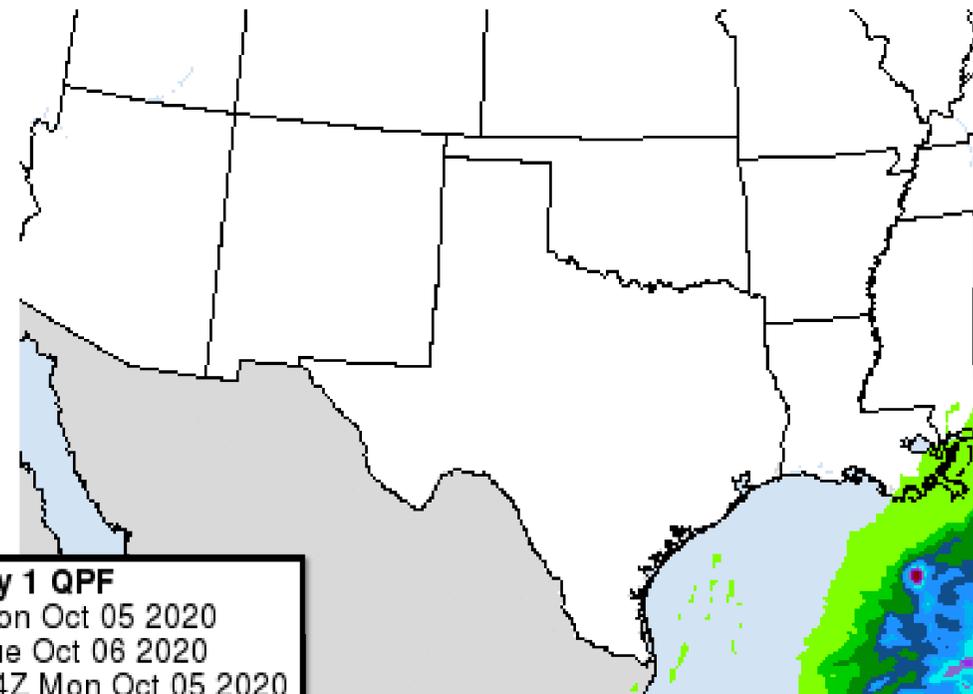
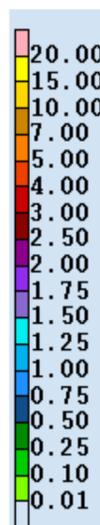
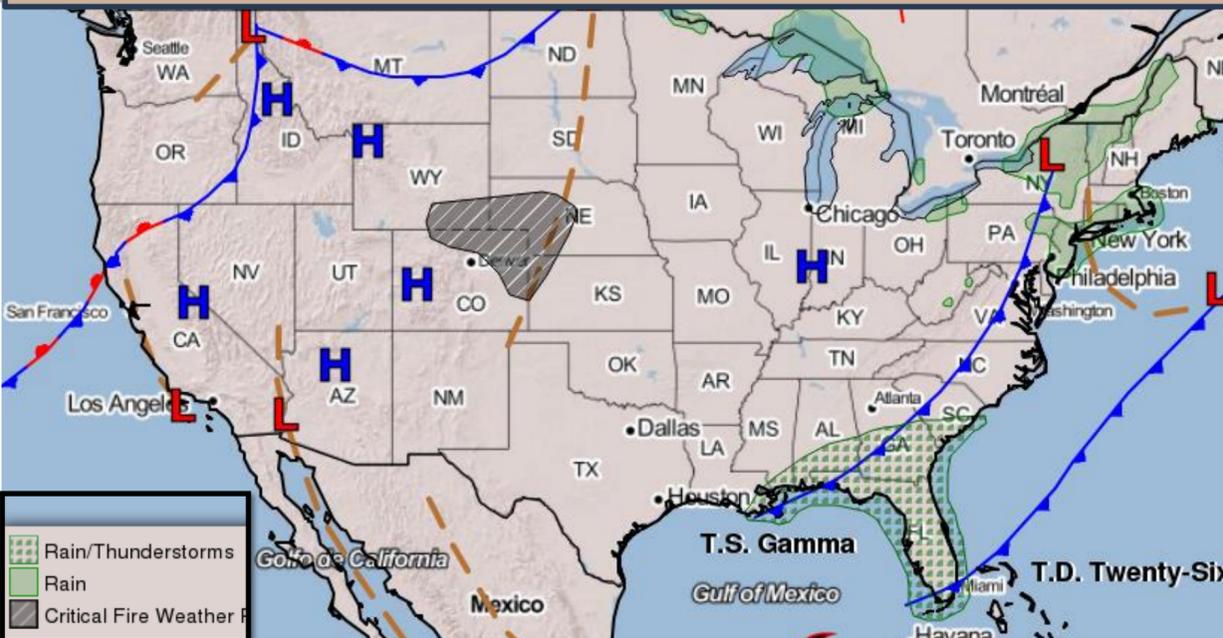


SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart

Forecast Rainfall

No significant weather expected.



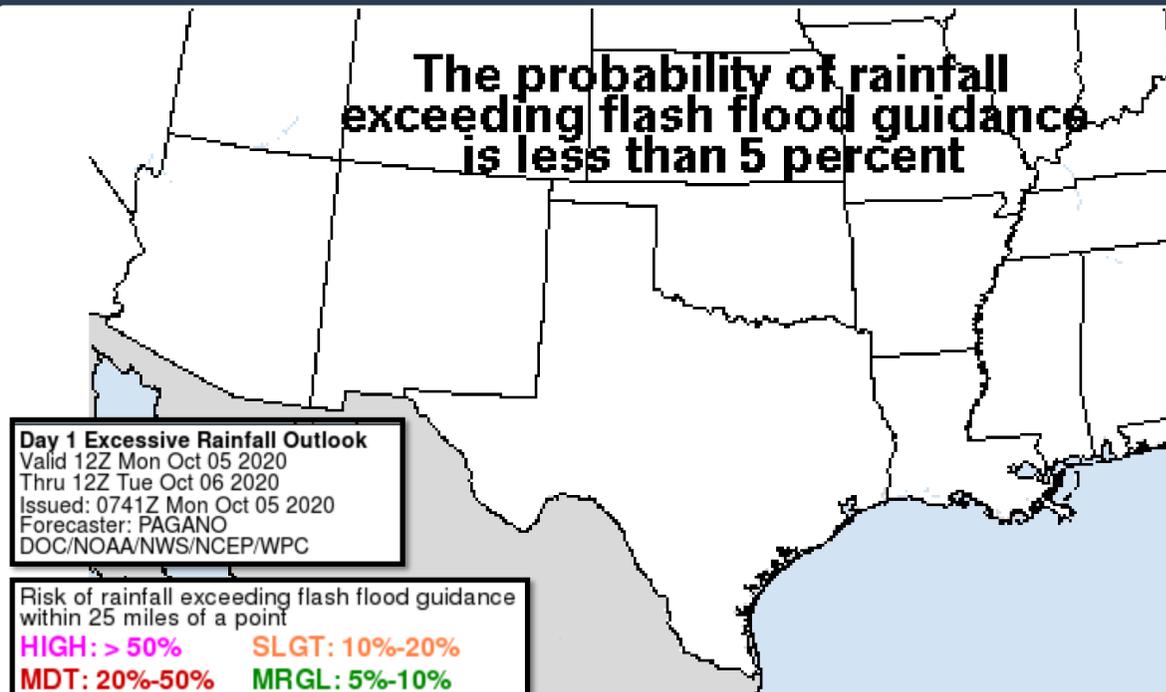
Weather Valid 8am EDT Mon Oct 05 2020 to 8am EDT Tue Oct 06 2020
Fronts Valid 8am EDT Mon Oct 05 2020

Issued 5:31 AM EDT Mon, Oct 05, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Zavodoff with WPC/SPC/NHC forecasts.

24-Hour Day 1 QPF
Valid 12Z Mon Oct 05 2020
Thru 12Z Tue Oct 06 2020
Issued: 0754Z Mon Oct 05 2020

Severe Weather Outlook

Excessive Rainfall Outlook



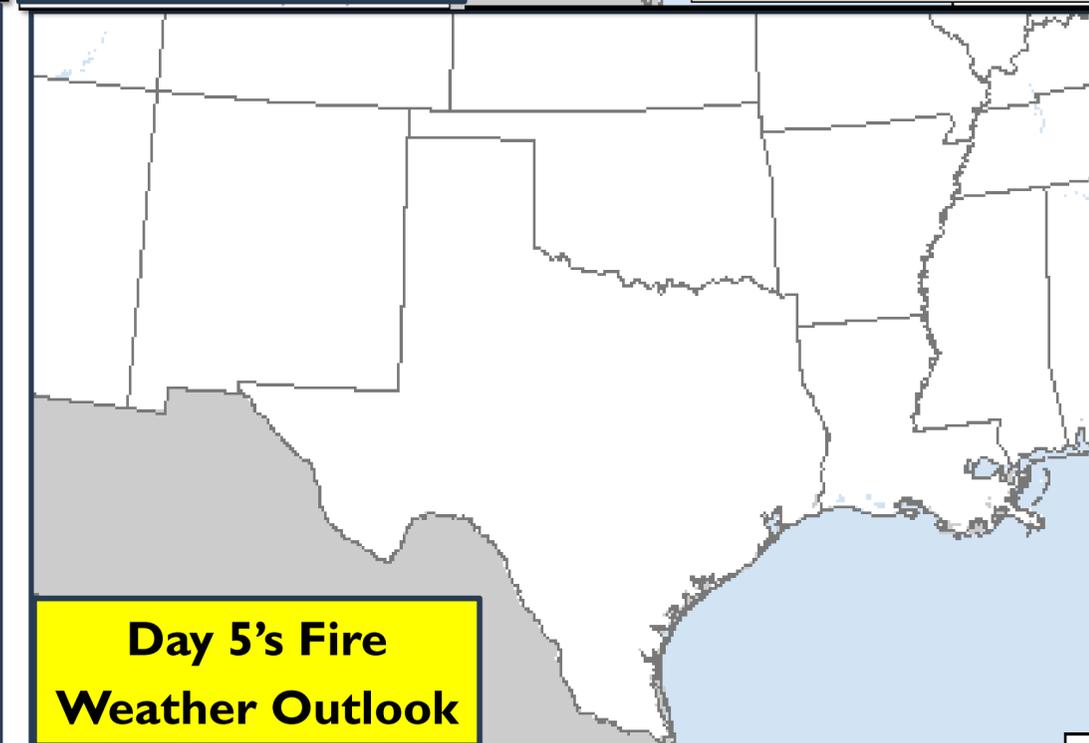
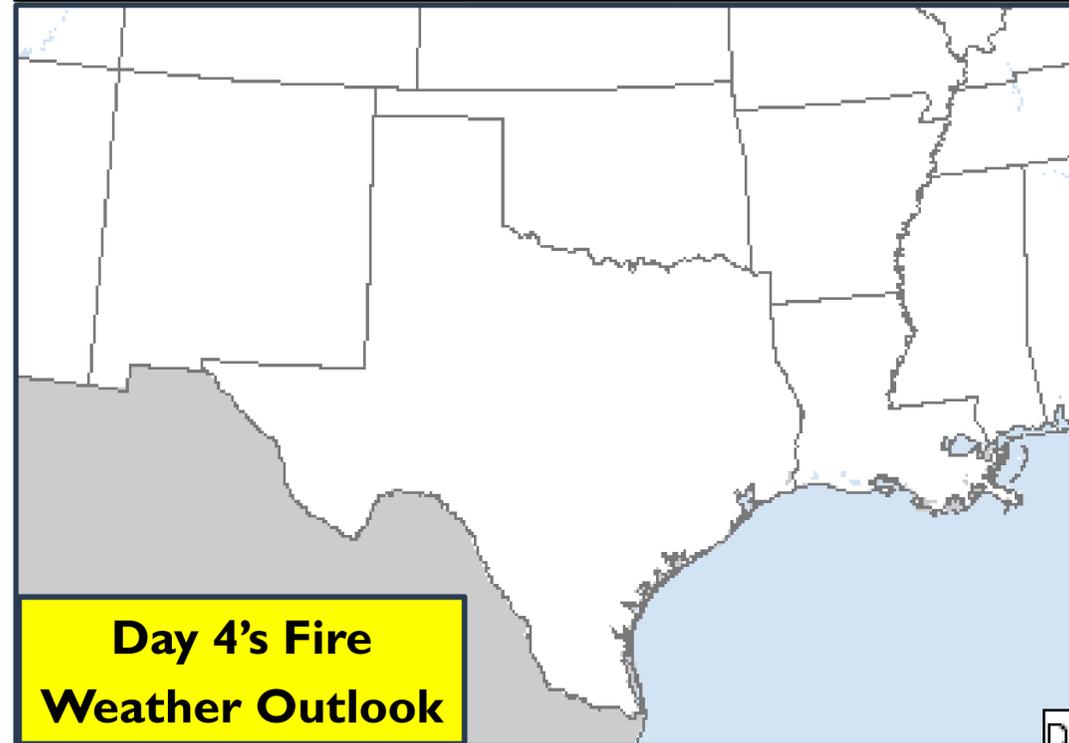
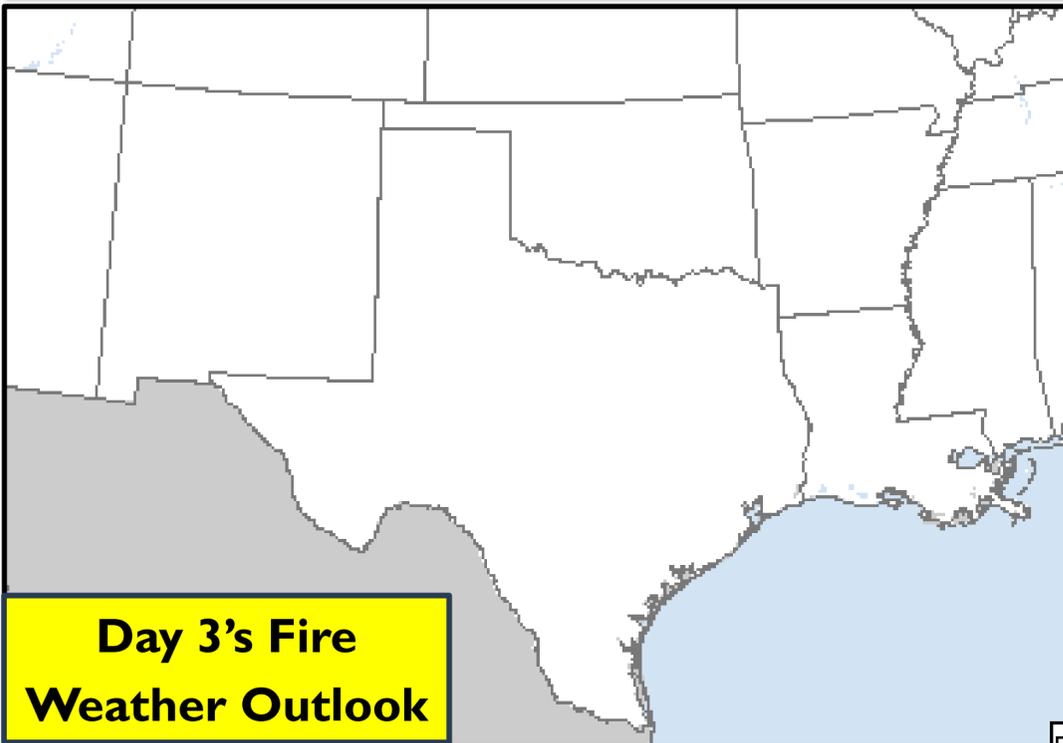
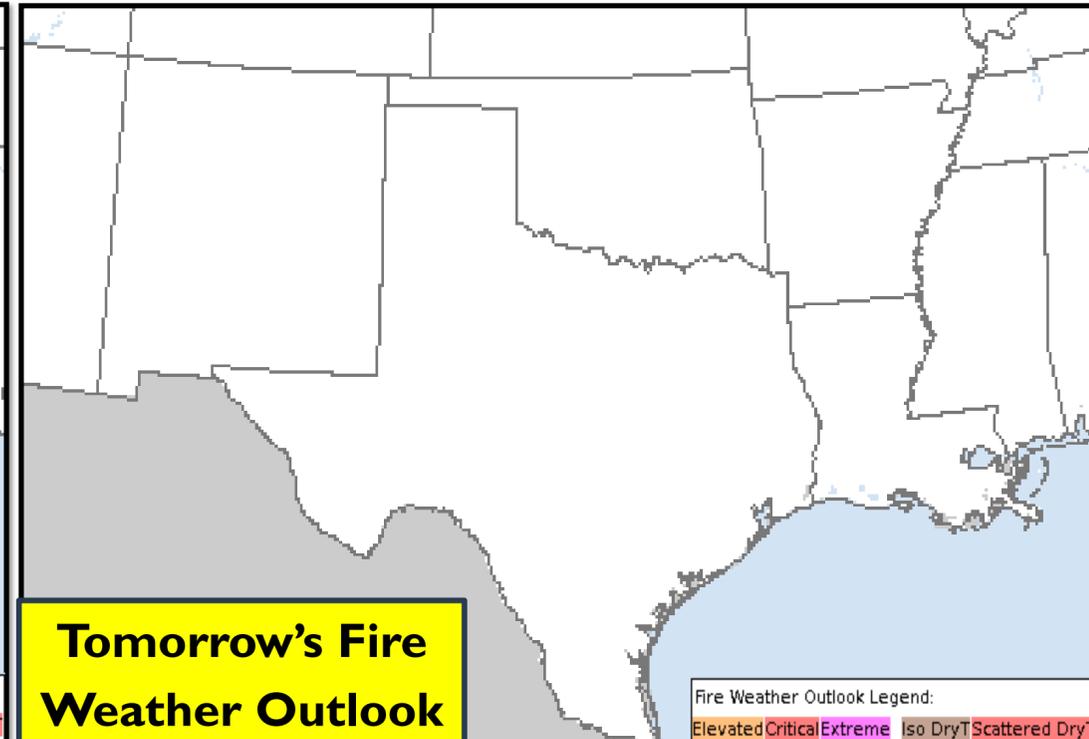
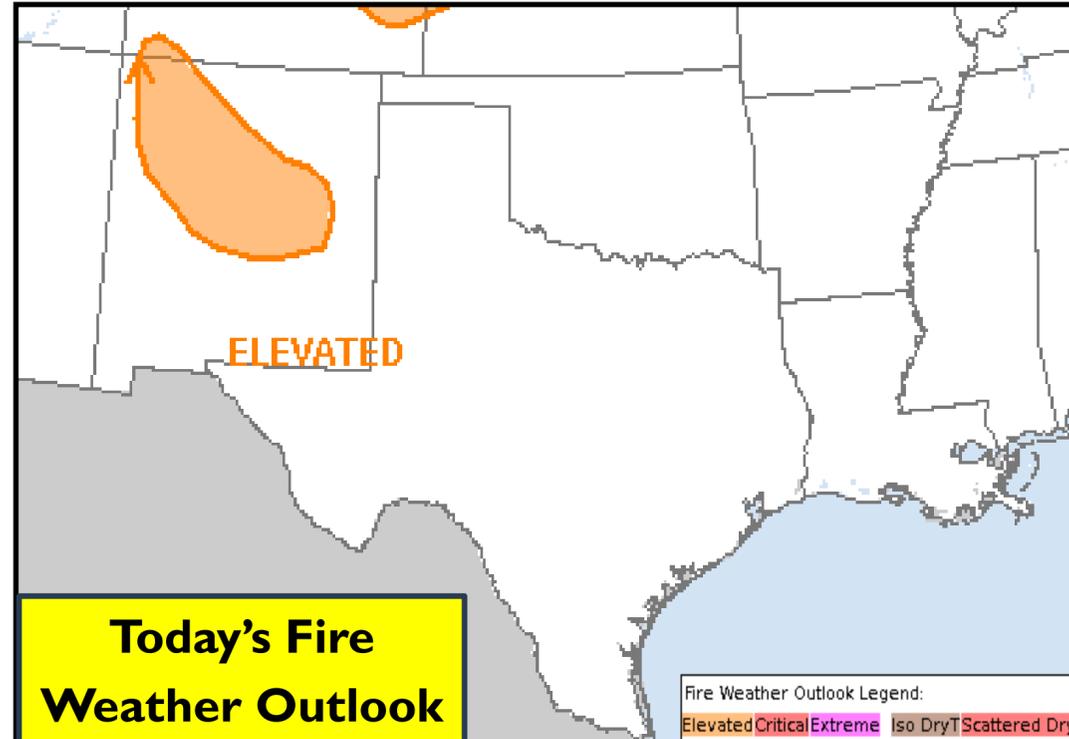
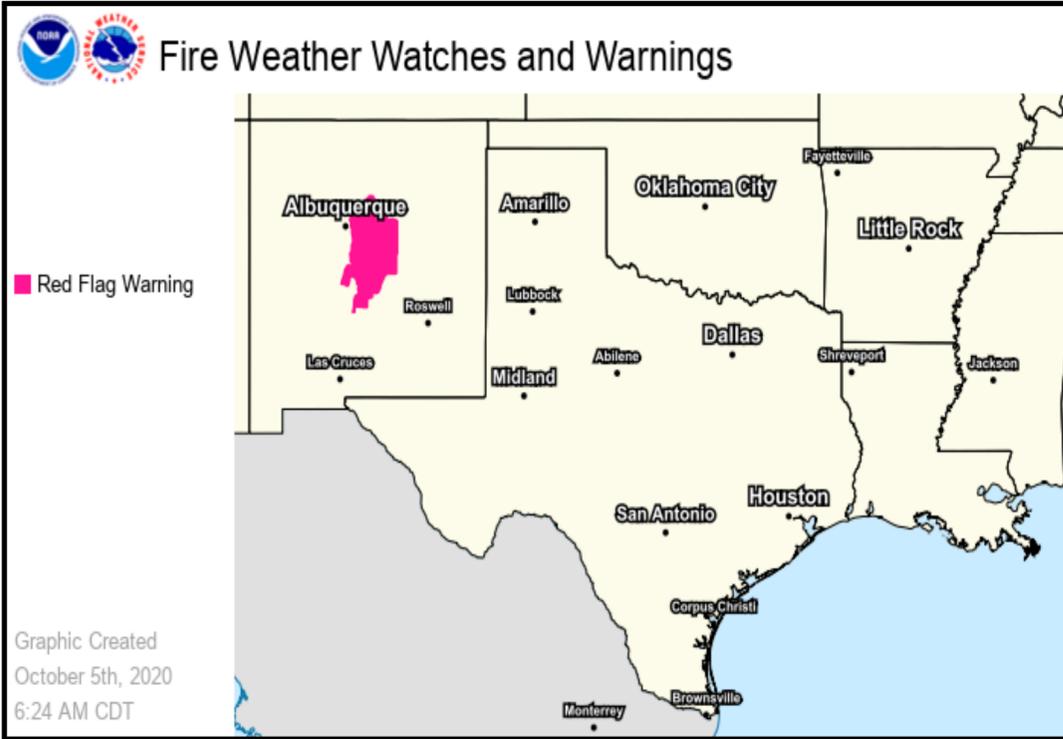
Day 1 Excessive Rainfall Outlook
Valid 12Z Mon Oct 05 2020
Thru 12Z Tue Oct 06 2020
Issued: 0741Z Mon Oct 05 2020
Forecaster: PAGANO
DOC/NOAA/NWS/NCEP/WPC

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

Fire Weather Outlooks



SR ROC
REGIONAL OPERATIONS CENTER



Tomorrow's Weather

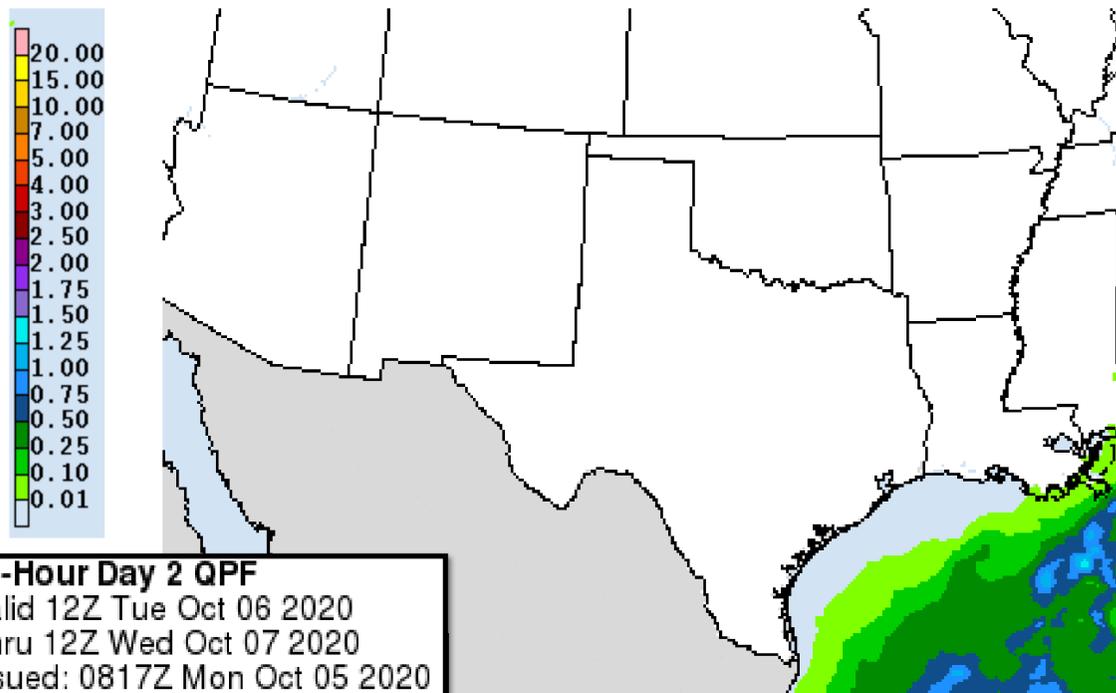
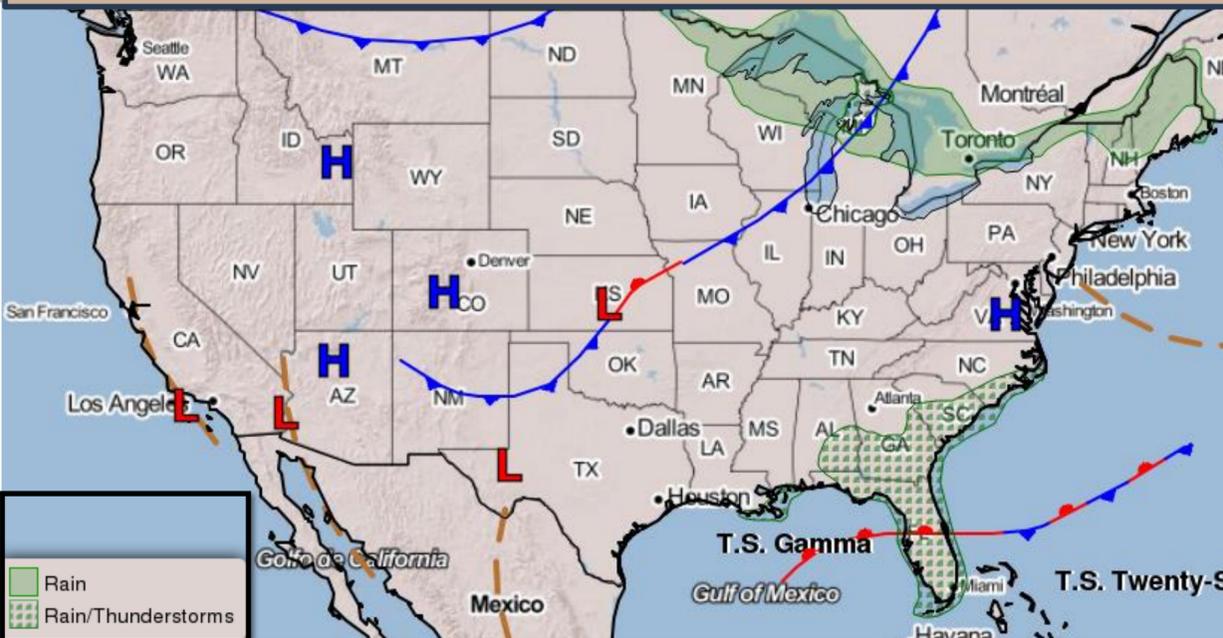


SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart

Forecast Rainfall

No significant weather expected.

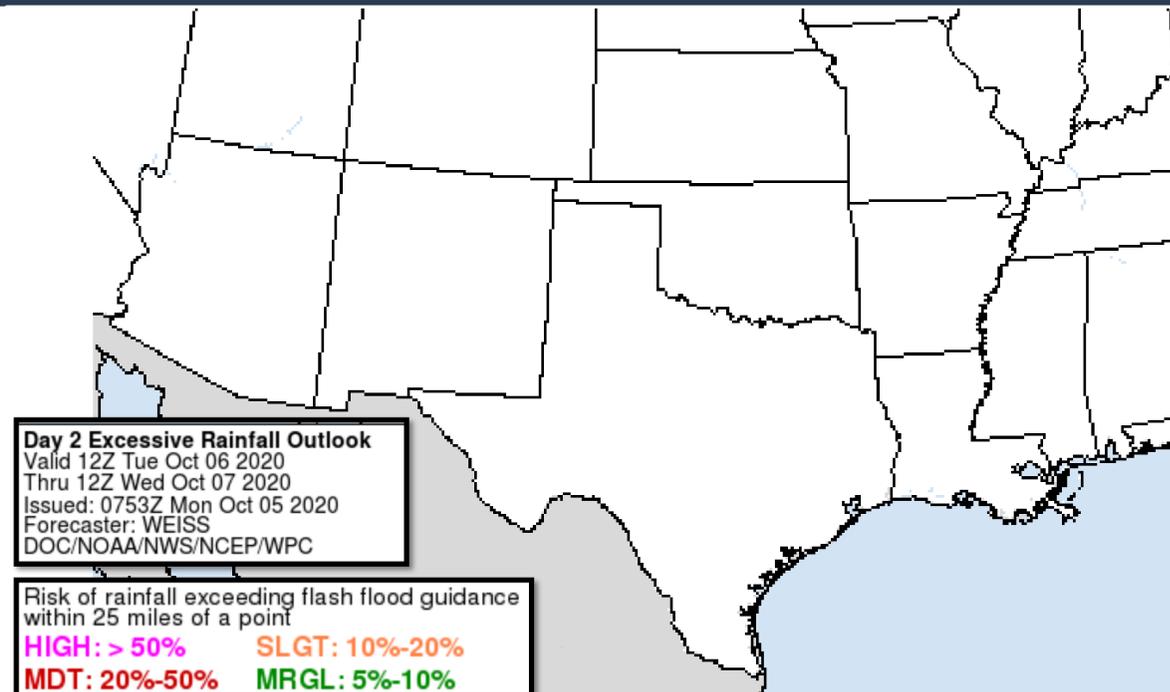


Weather Valid 8am EDT Tue Oct 06 2020 to 8am EDT Wed Oct 07 2020
Fronts Valid 8am EDT Tue Oct 06 2020
Issued 6:29 AM EDT Mon, Oct 05, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Zavodoff with WPC/SPC/NHC forecasts.

24-Hour Day 2 QPF
Valid 12Z Tue Oct 06 2020
Thru 12Z Wed Oct 07 2020
Issued: 0817Z Mon Oct 05 2020

Severe Weather Outlook

Excessive Rainfall Outlook



Day 2 Excessive Rainfall Outlook
Valid 12Z Tue Oct 06 2020
Thru 12Z Wed Oct 07 2020
Issued: 0753Z Mon Oct 05 2020
Forecaster: WEISS
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

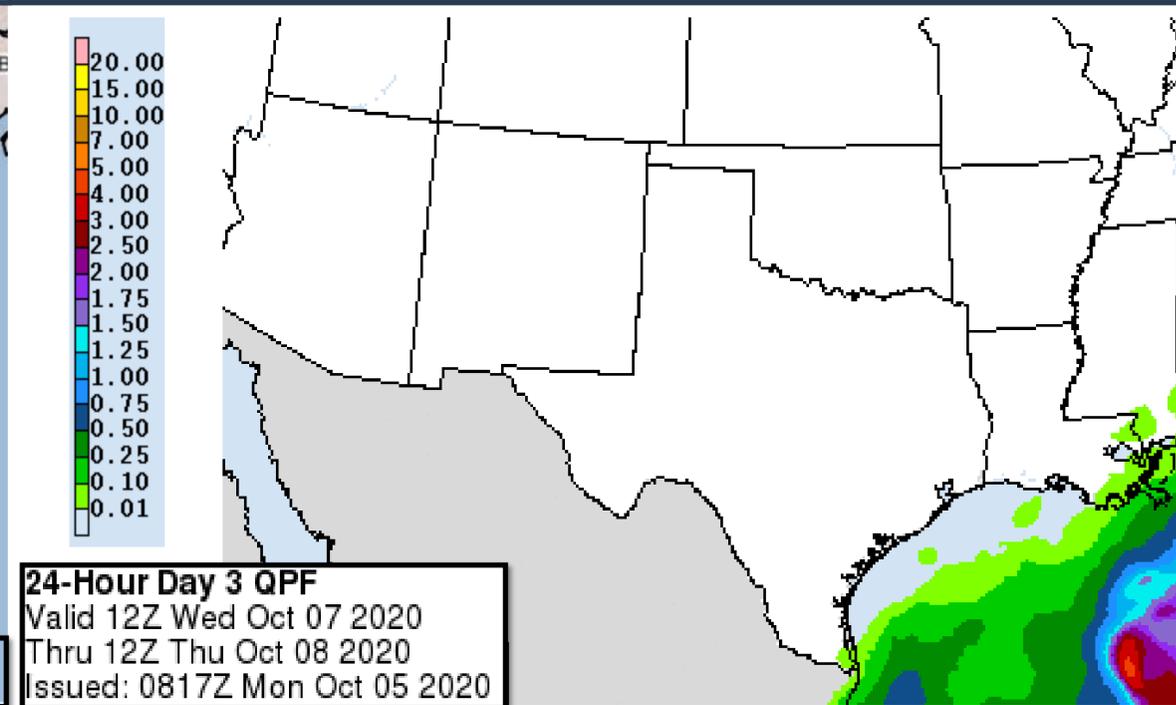
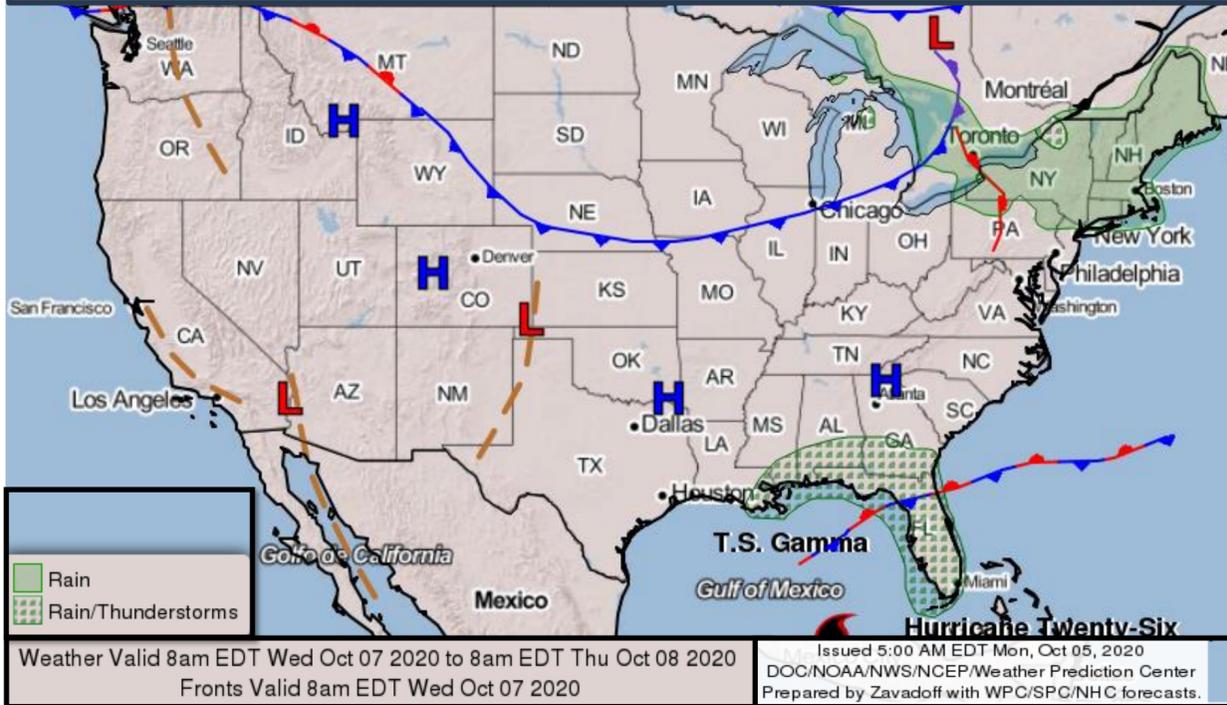


SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart

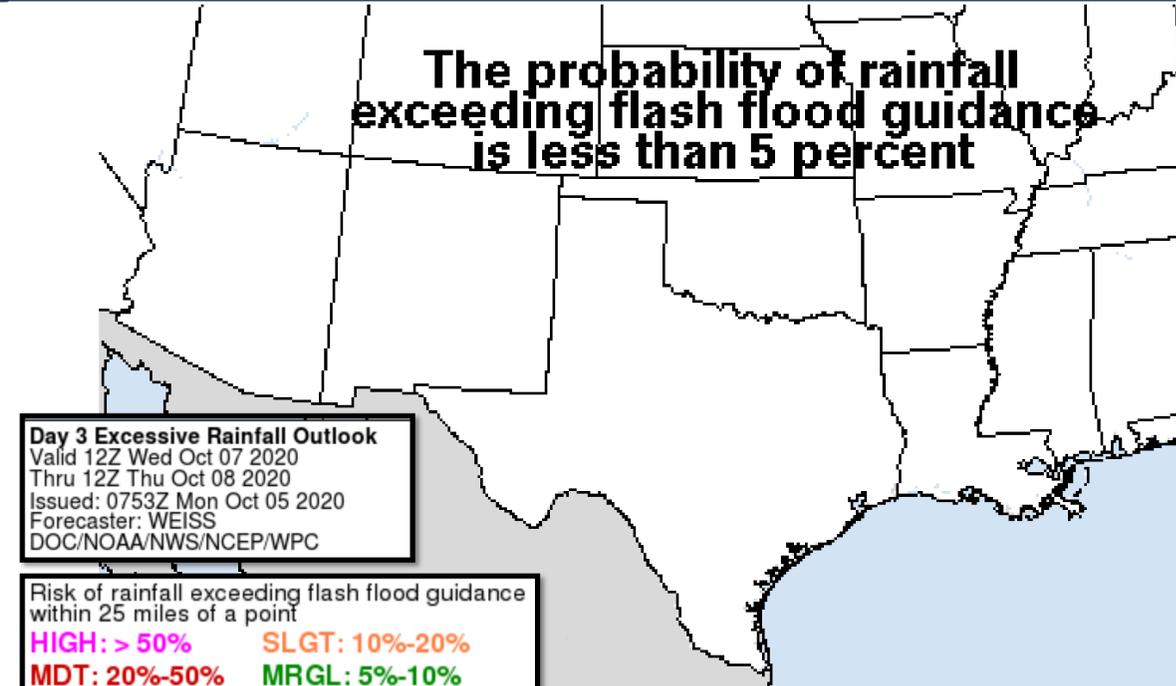
Forecast Rainfall

No significant weather expected.



Severe Weather Outlook

Excessive Rainfall Outlook

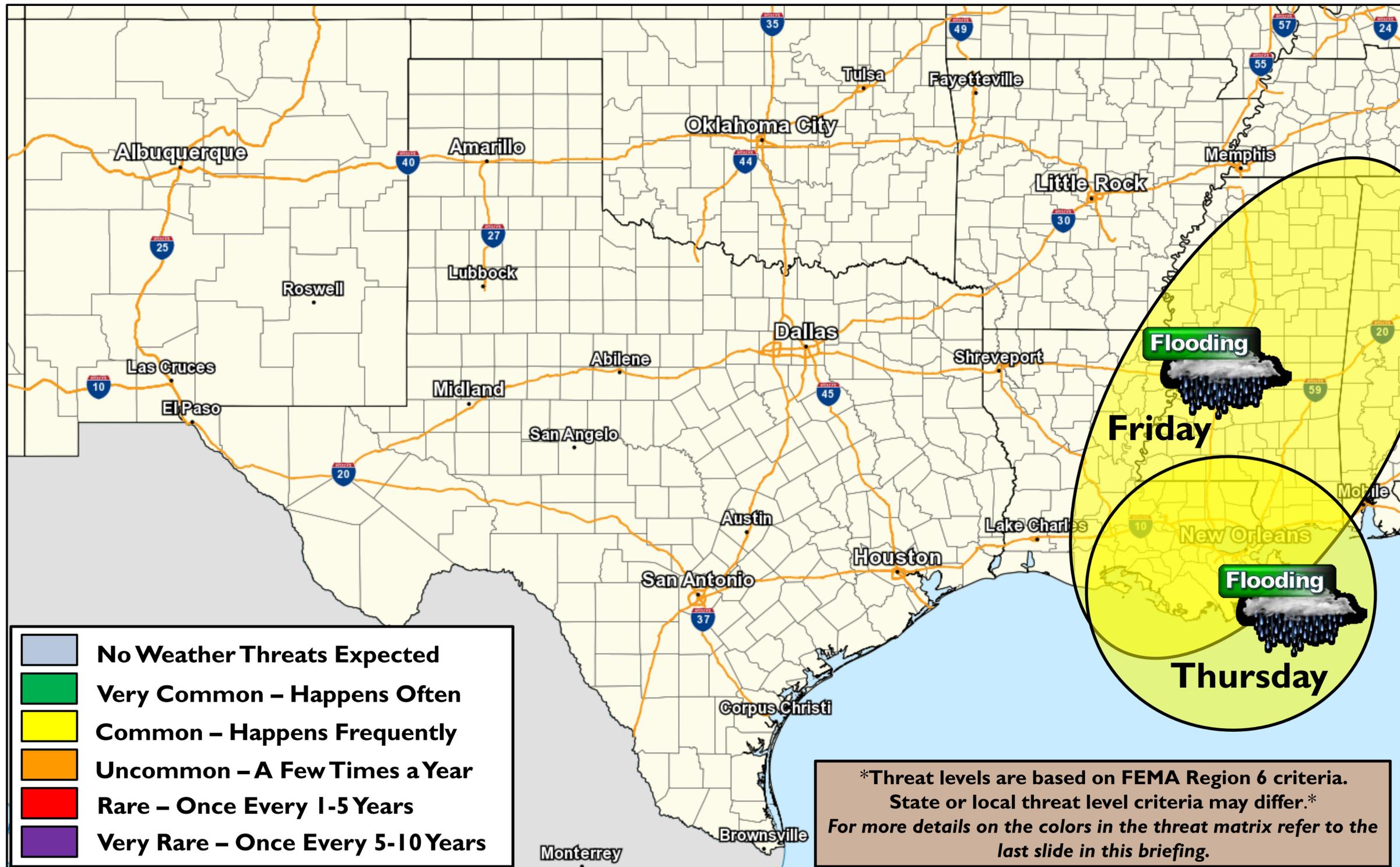


Days 4-5 Weather Hazards

Thursday - Friday



SR ROC
REGIONAL OPERATIONS CENTER



Heavy rain/flash flooding across SE LA Thursday and for E LA on Friday.

Potential for storm surge and tropical storm to hurricane force winds along the Louisiana coast Thursday and possible inland TS winds in Louisiana on Friday.

Low chance for surge/winds also for Southeast TX depending on the eventual track of Delta.

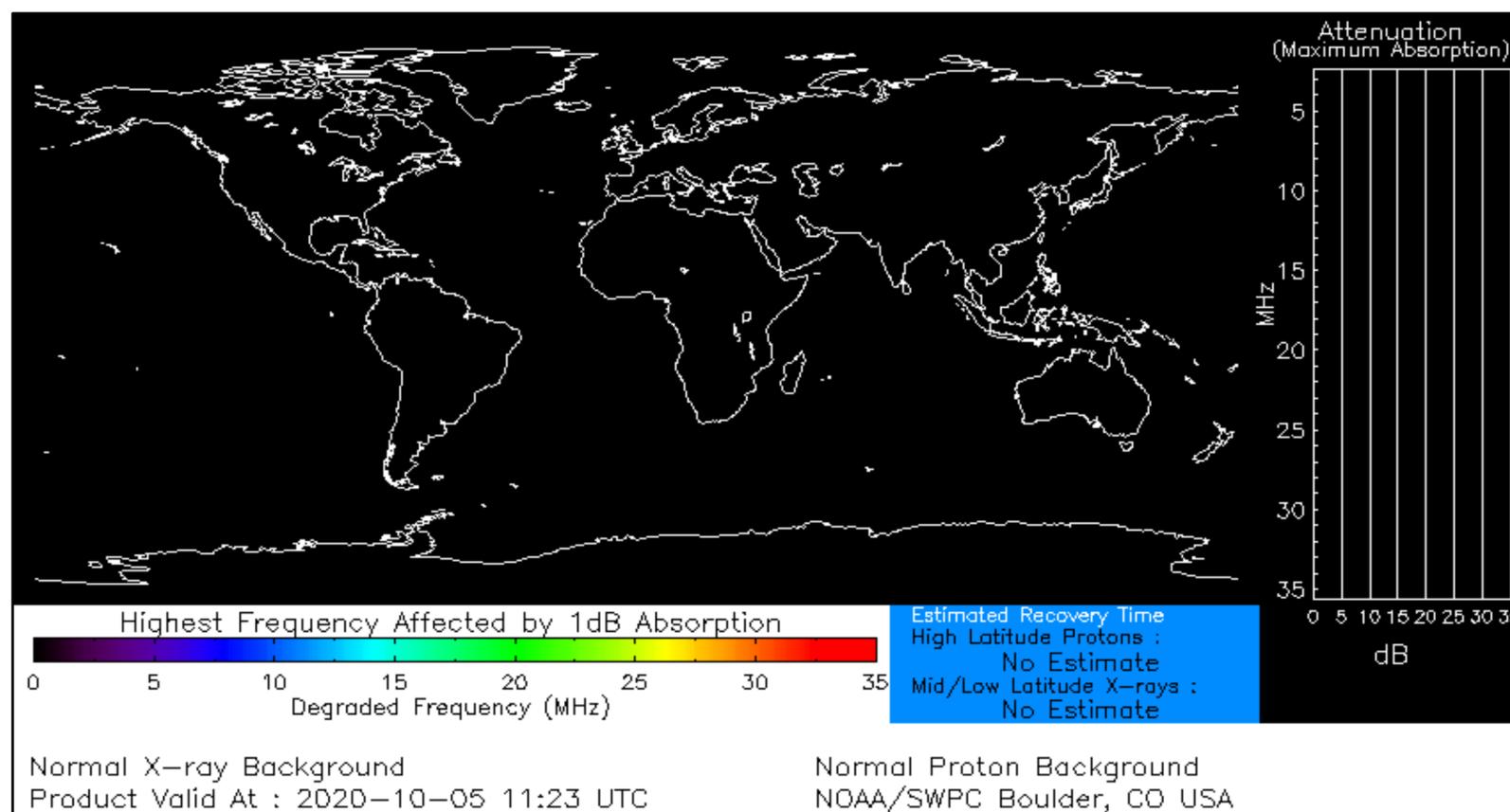
Reminder: The average 4- and 5-day NHC track forecast errors are about 160 to 200 miles at those time periods, respectively.

Space Weather 3-Day Forecast



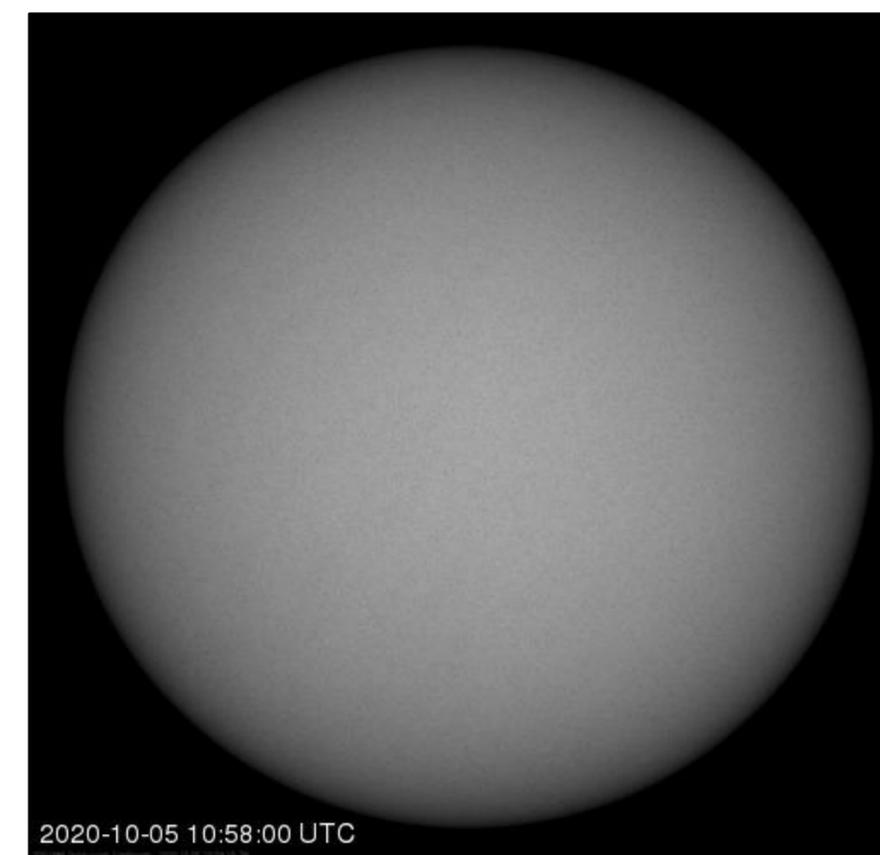
SR ROC
REGIONAL OPERATIONS CENTER

	Monday	Tuesday	Wednesday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
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.