FEMA

Prepared by
Todd Beal

FEMA Region 6 Weather Threat Briefing

Thursday June 17, 2021

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

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- **Isolated severe storms across AR today.**
- **Heat advisory across NW NM today.**
- **A tropical depression is likely to form late today or Friday in the western Gulf of Mexico.**
  - **Heavy rain/flash flooding possible for S LA/SE TX Friday and across S LA/SE LA on Saturday/Sunday.**
  - **Isolated severe storms with brief tornadoes possible for S LA Friday and Saturday.**
  - **Minor coastal flooding for S LA/SE TX.**

FEMA Region 6 Threat Matrix

Jun 17, 2021 - Jun 21, 2021

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DAY / THREAT	Thu	Fri	Sat	Sun	Mon
Severe Storms	AR	S LA	S LA		
Heavy Rain / Flash Flooding		S LA SE TX	SE LA	SE LA	
Fire Weather	NM	NM	NM		
Tropical Winds / Surge					
Heat	NW NM				
River Flooding	SE TX NE TX, AR, LA	SE TX NE TX, AR, LA	SE TX NE TX, LA, AR	SE TX NE TX, LA, AR	SE TX NE TX, LA, AR

- 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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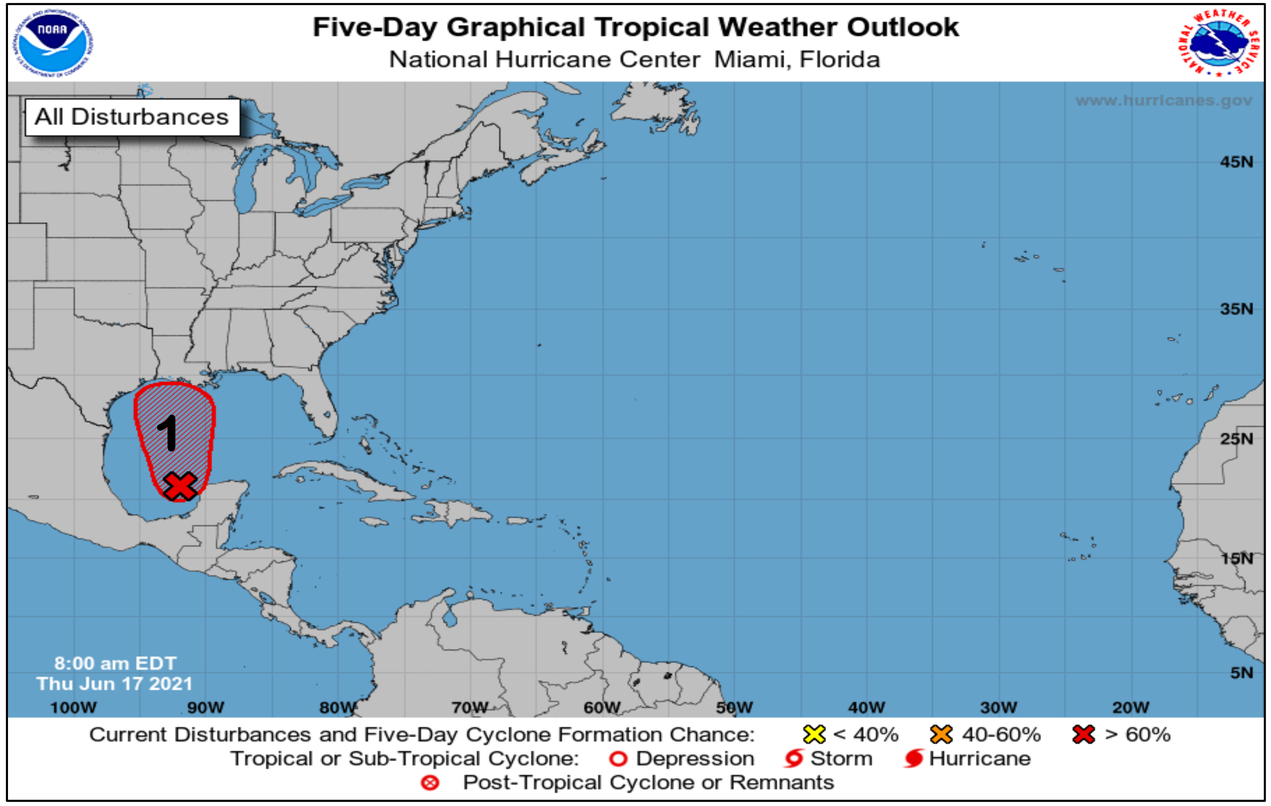
Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	High	Strong/severe thunderstorms with heavy rain/flash flooding across S LA Friday/Saturday. Threat of heavy rainfall could linger into Sunday across SE LA.

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
-	



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

Flood Hazard Outlook

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7-Day Flood Hazard Outlook (Prototype)

Includes General Flash and River Flood Hazards

Issued: 2021-06-17 6:30 AM CDT (11:30 UTC) | Valid Through: 2021-06-24 6:30 AM CDT (11:30 UTC)

NWC National Water Center

Flood Hazard Messages

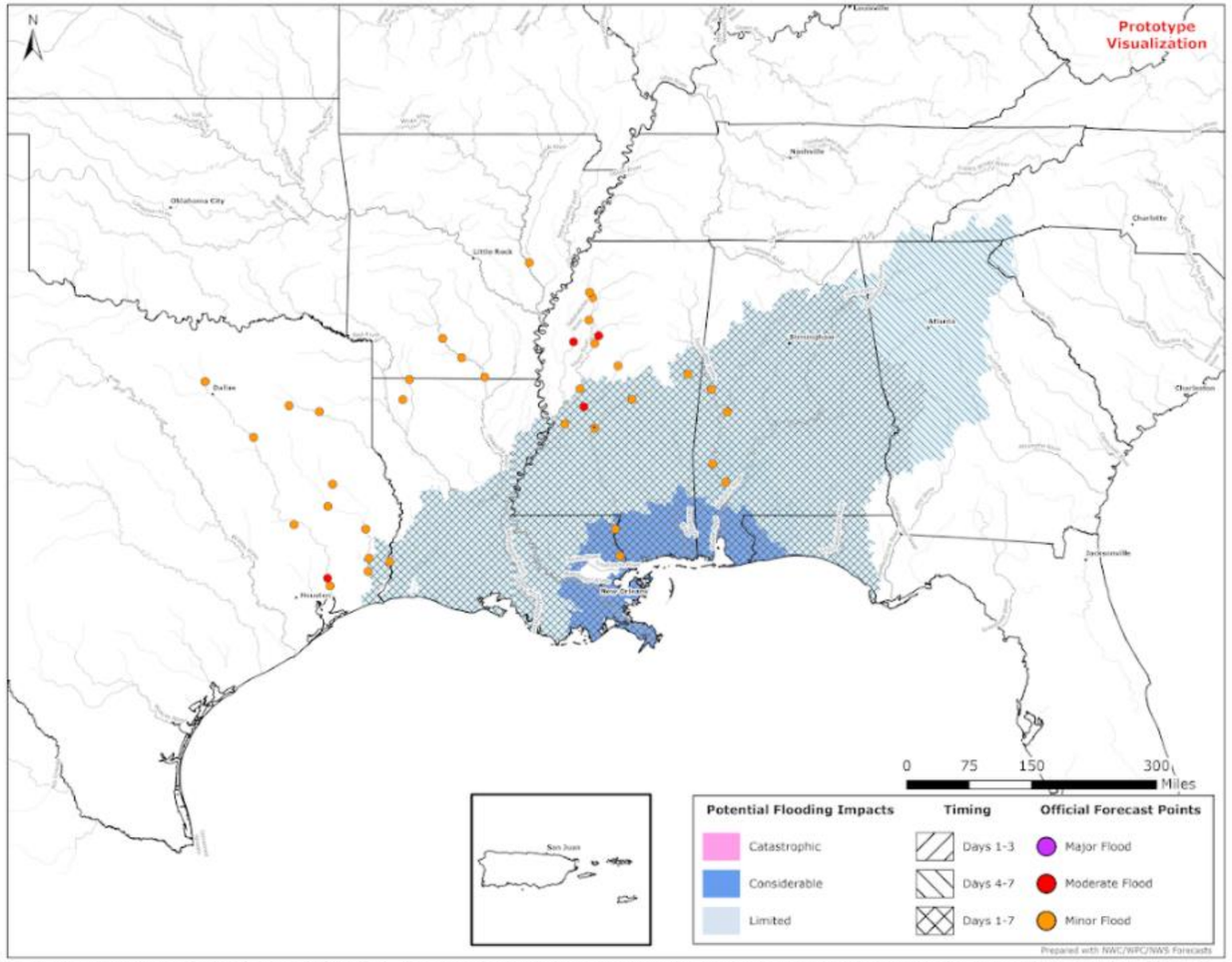
associated with Tropical Disturbance 1

- Across the Central Gulf Coast and portions of the Southeast, heavy rainfall associated with a tropical disturbance in the Gulf of Mexico may cause flash, urban, and small stream flooding beginning early Friday through the weekend. Additional rises on already elevated mainstem rivers are also likely.

- Widespread minor to isolated moderate flooding continues across eastern Texas through the Lower Mississippi Valley and along the central Gulf Coast. This region remains highly vulnerable to additional hydrologic impacts, as recent heavy rainfall has left soils wet and streamflows much above normal.

- Uncertainty remains in the track and intensity of the potential tropical disturbance later this week. Interests across the region should monitor forecasts and ensure they have their flood plan in place.

Disclaimer: This graphic is intended to provide a general flash and river flood hazard outlook. It is not intended to depict coastal flood risk due to storm surge. Please refer to the detailed products issued by local National Weather Service offices for official forecasts and warnings (www.weather.gov).



About this product: https://nws.weather.gov/products/PDD/PDD_PrototypeFloodHazardOutlookProduct_2021.pdf | To provide feedback: https://nws.weather.gov/products/PDD/PDD_PrototypeFloodHazardOutlookProduct_2021.pdf

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

5-Day Precipitation Forecast & River Flood Status

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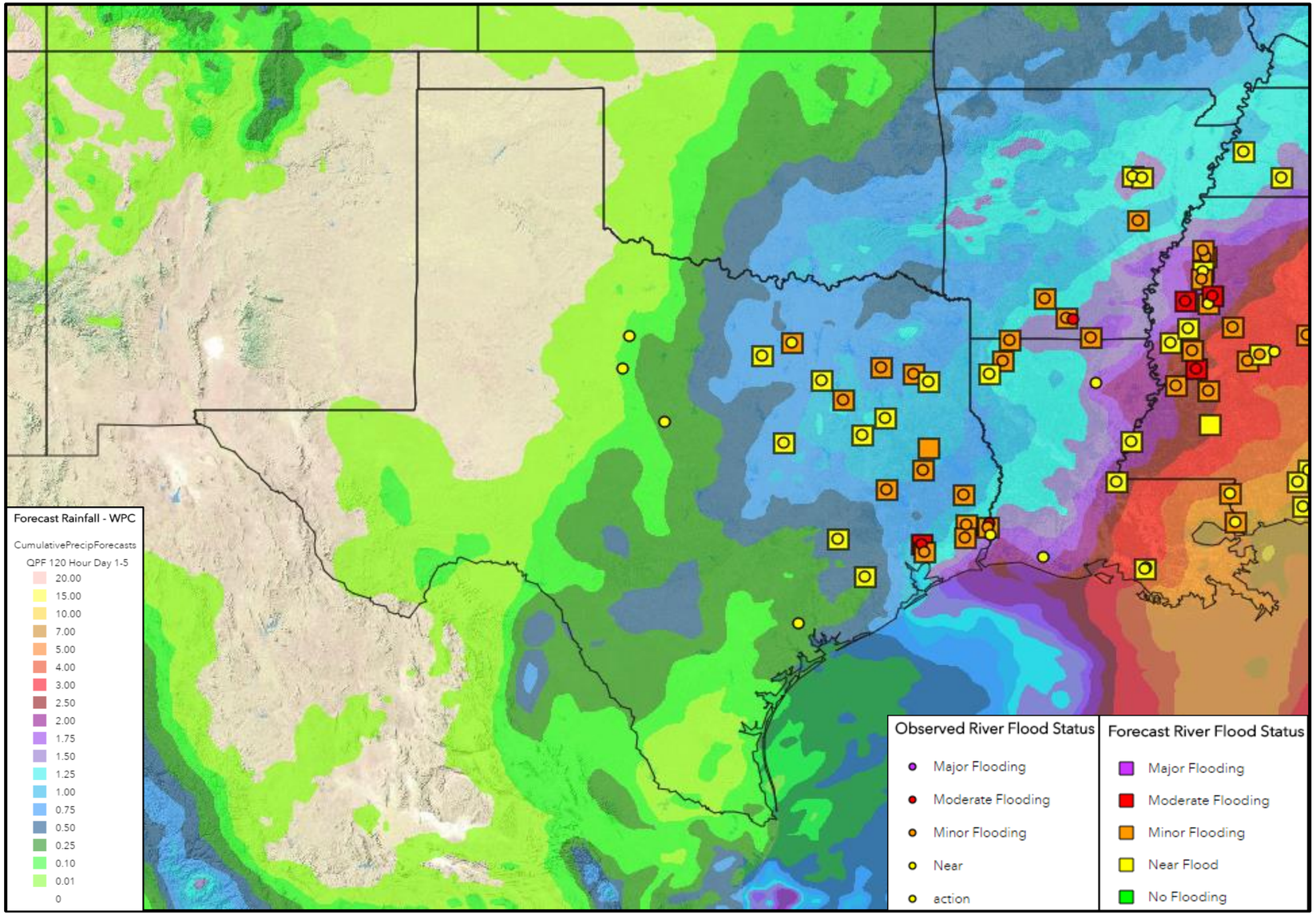
Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Moderate flooding will continue for the Trinity River at Liberty in SE TX. Roads above Liberty are closed with residents in 5 or 6 subdivisions cut off if not evacuated.

Minor river flooding continues across portions of NE TX, AR, and LA with flooding of agricultural, recreational areas and secondary roads.

Forecast rainfall may result in additional rises on already elevated rivers in TX, LA, AR. New river flooding will be possible, especially in LA.

Today's Weather

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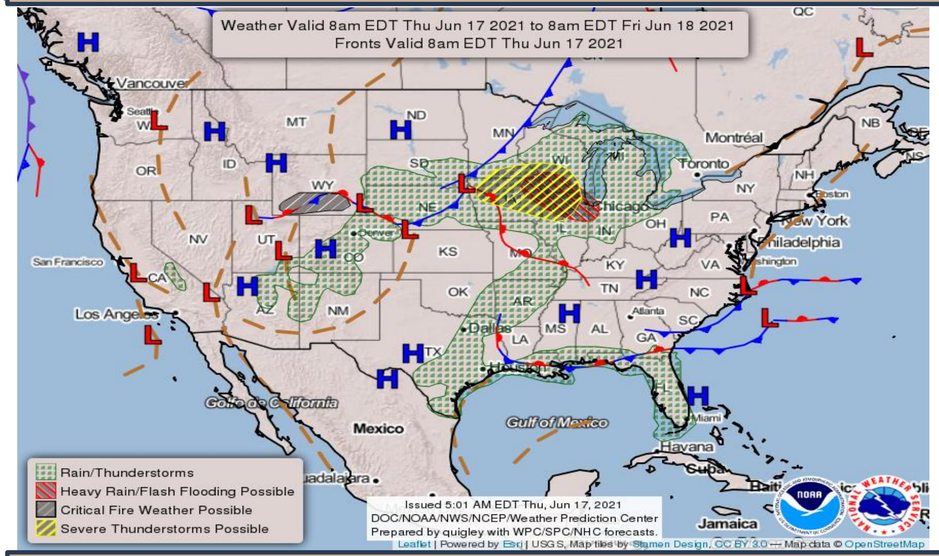
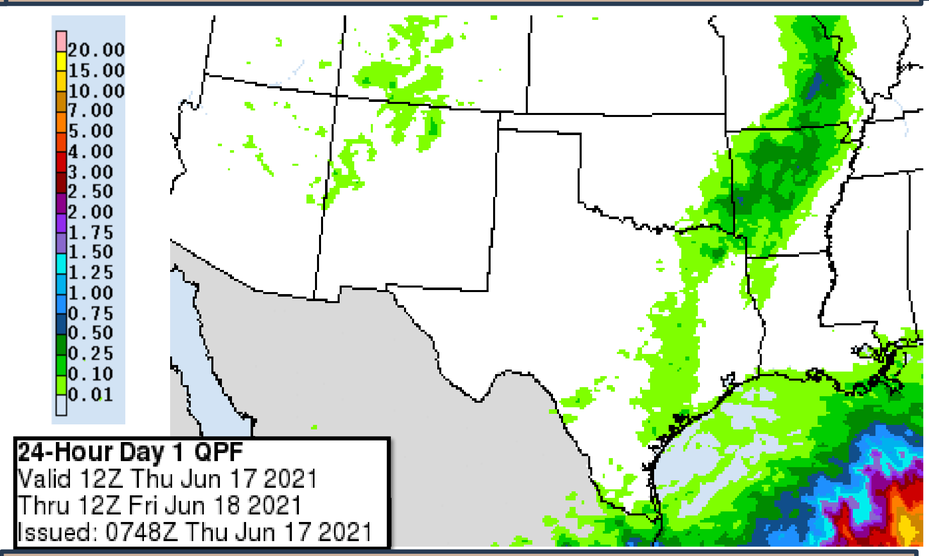
Forecast Chart

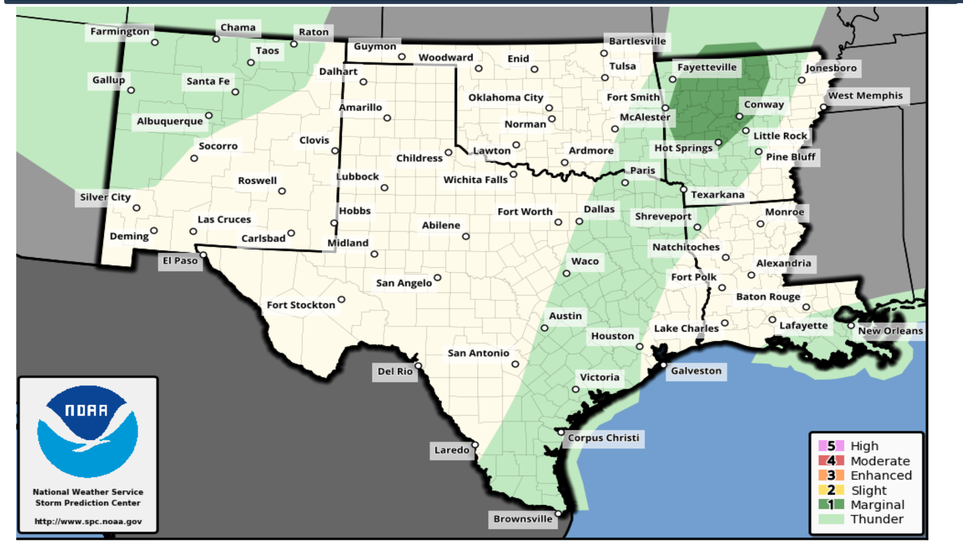


Forecast Rainfall

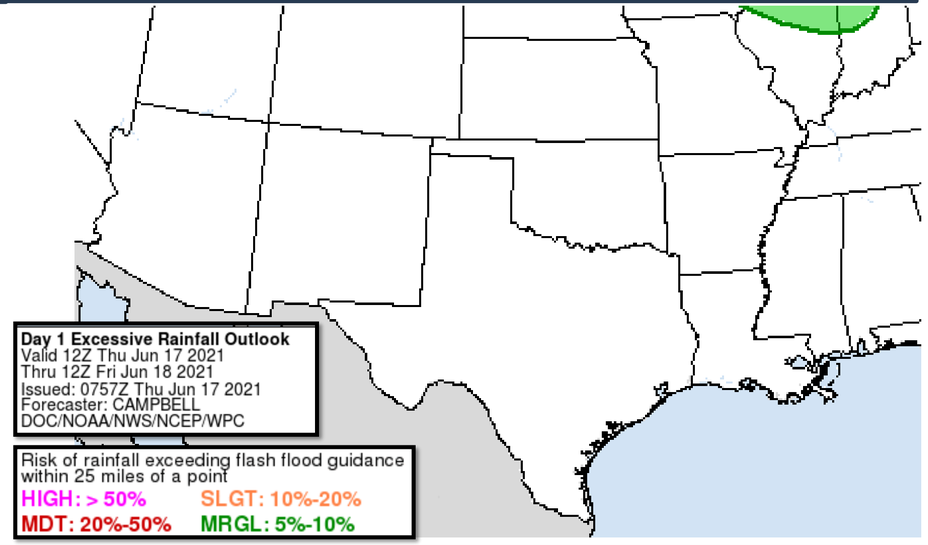


Isolated severe storms possible across AR. Main threats are damaging winds and large hail.

Severe Weather Outlook



Excessive Rainfall Outlook



Fire Weather Outlooks

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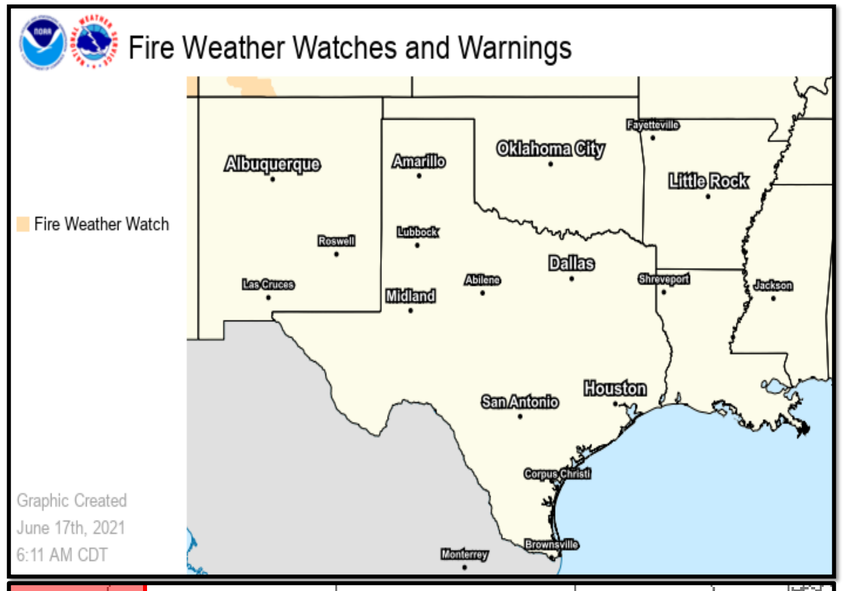
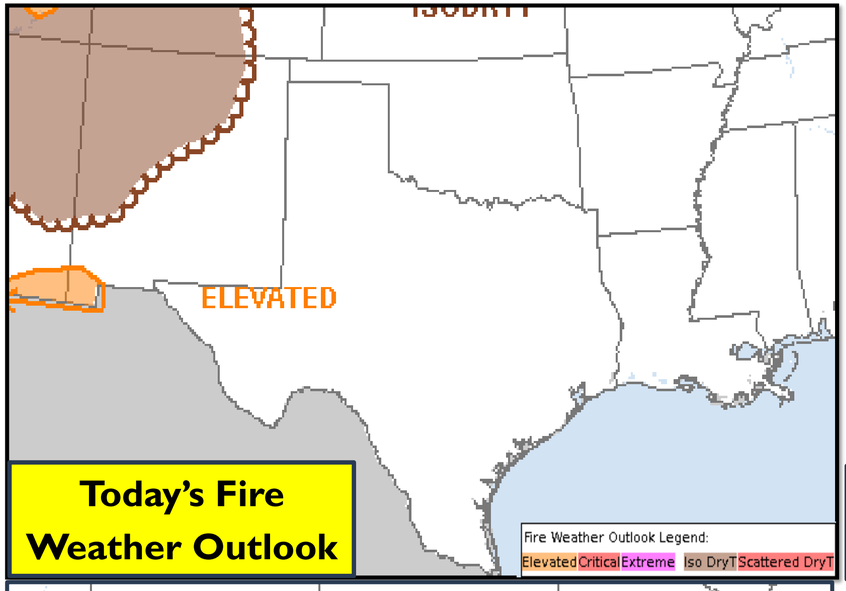
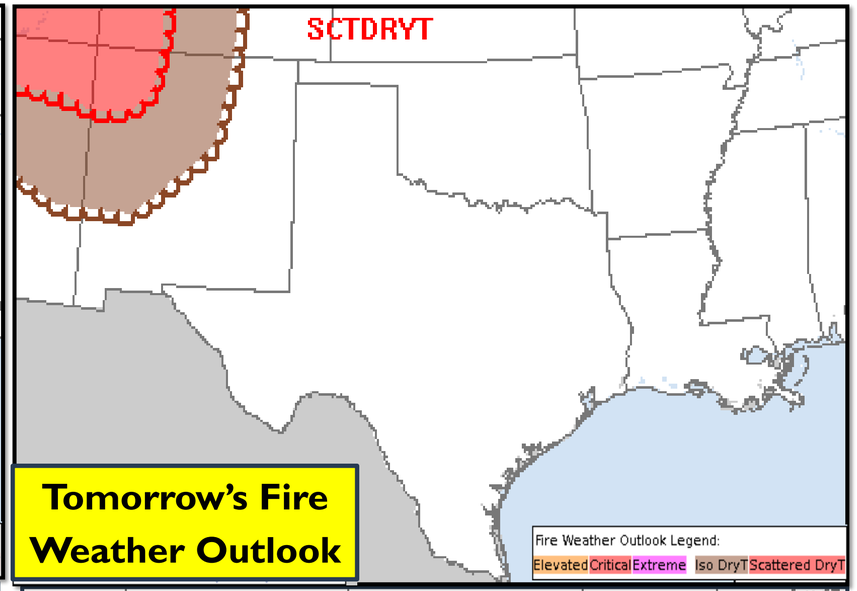
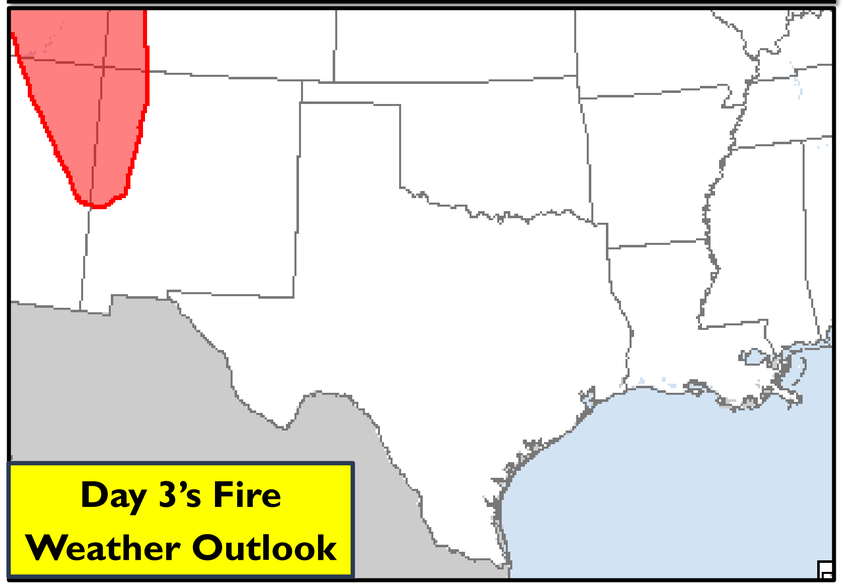




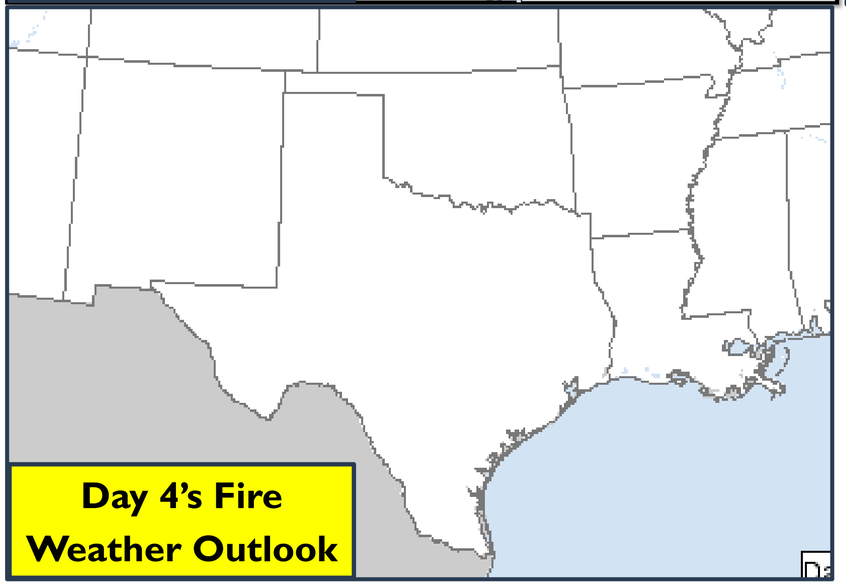
Today's Fire Weather Outlook



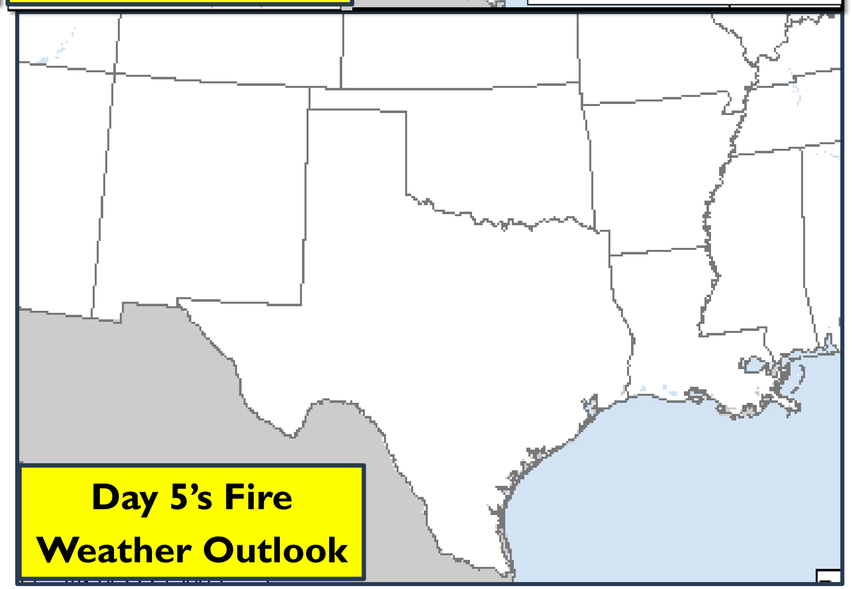
Tomorrow's Fire Weather Outlook



Day 3's Fire Weather Outlook



Day 4's Fire Weather Outlook



Day 5's Fire Weather Outlook

6/17/2021 8:05 AM

<u>Note</u>: Days 3-5 only highlight Critical areas

www.weather.gov/srh

Tomorrow's Weather

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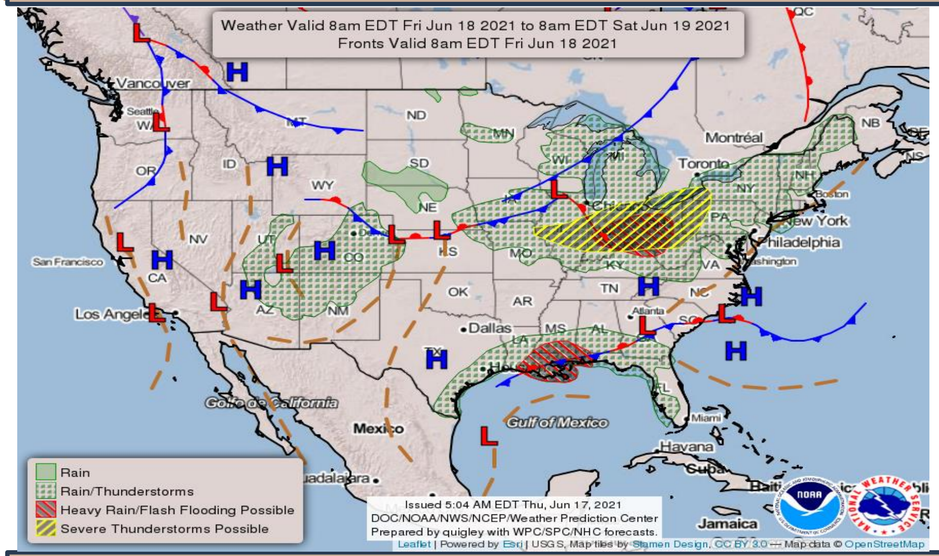
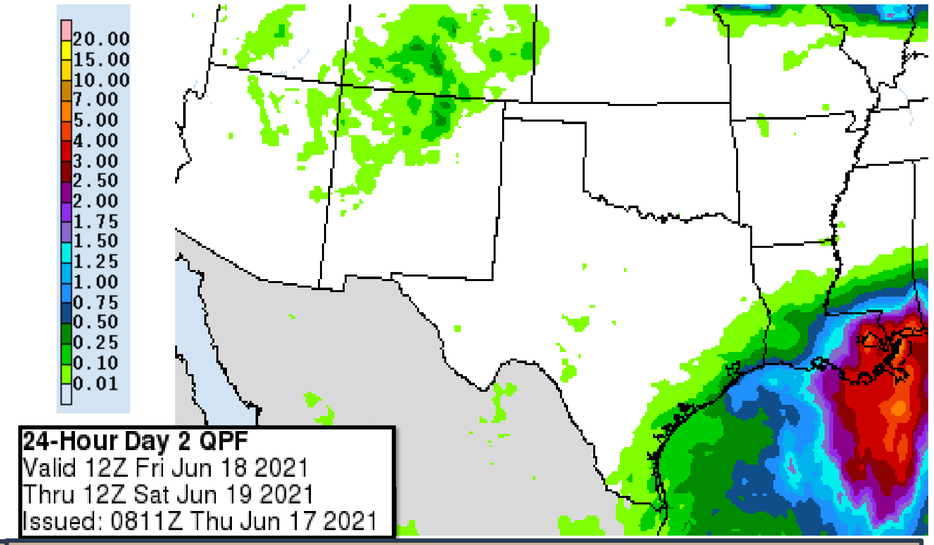
Forecast Chart



Forecast Rainfall

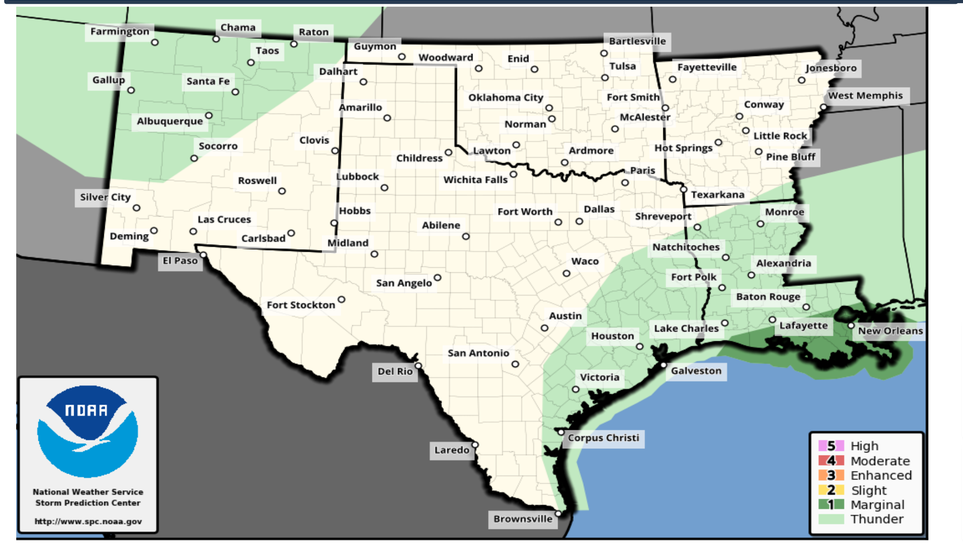


Heavy rain/flash flooding for S LA.

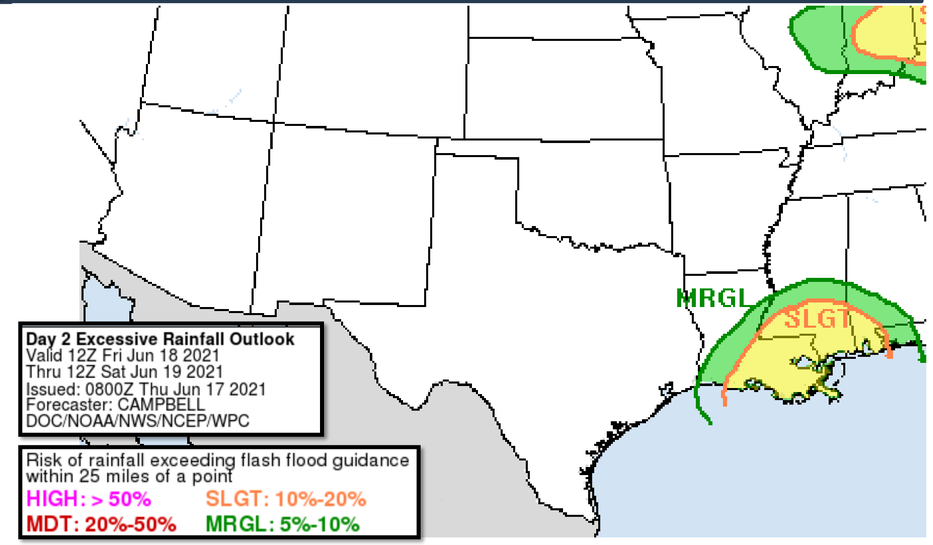
Isolated heavy rain/flash flooding possible for SE TX.

Isolated severe storms with brief tornadoes possible for S LA.

Severe Weather Outlook



Excessive Rainfall Outlook



Saturday's Weather

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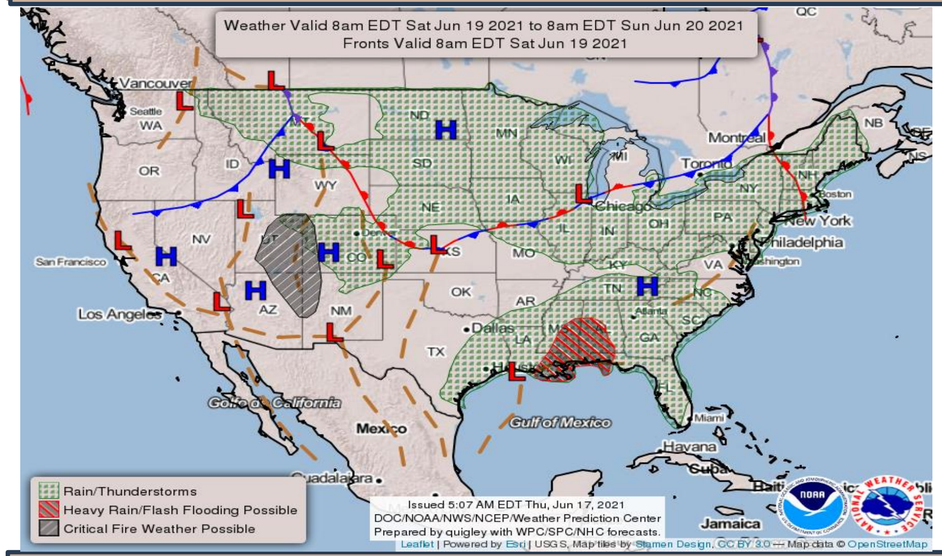
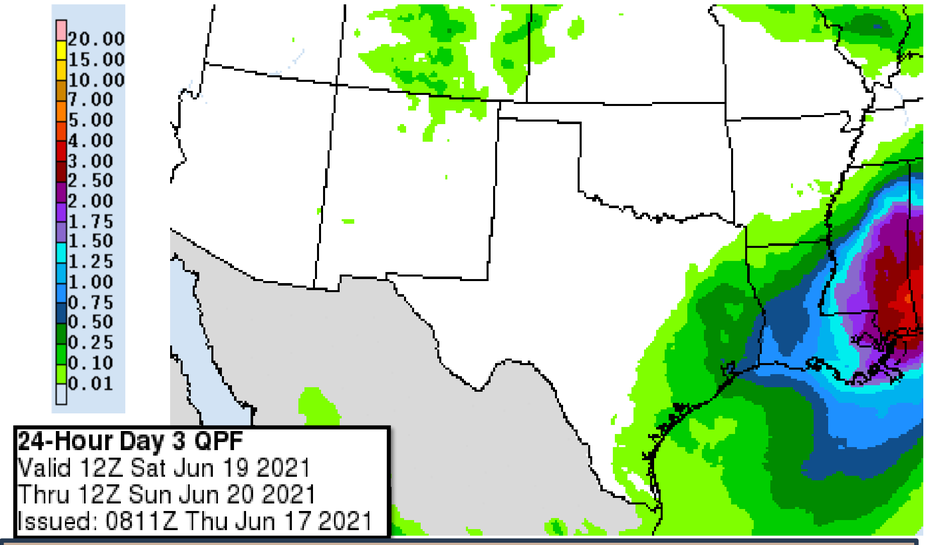
Forecast Chart



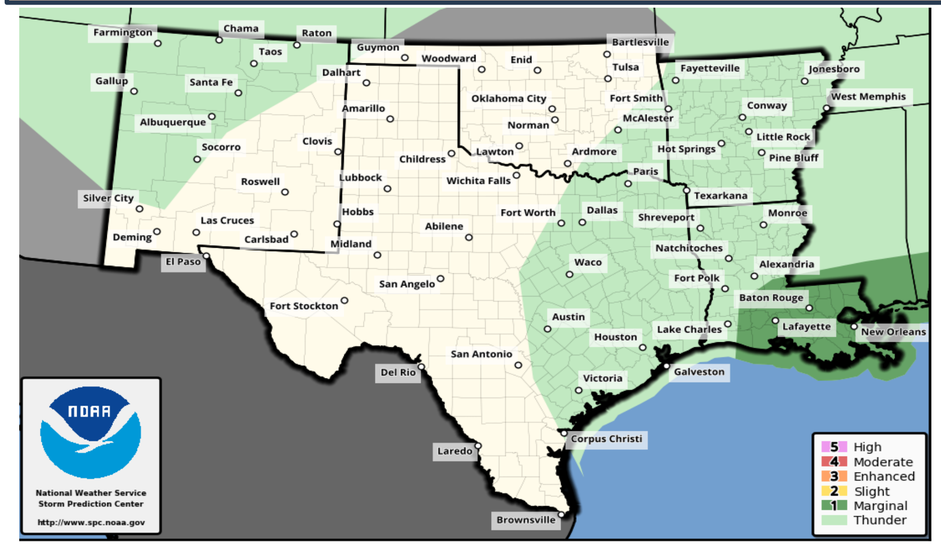
Forecast Rainfall



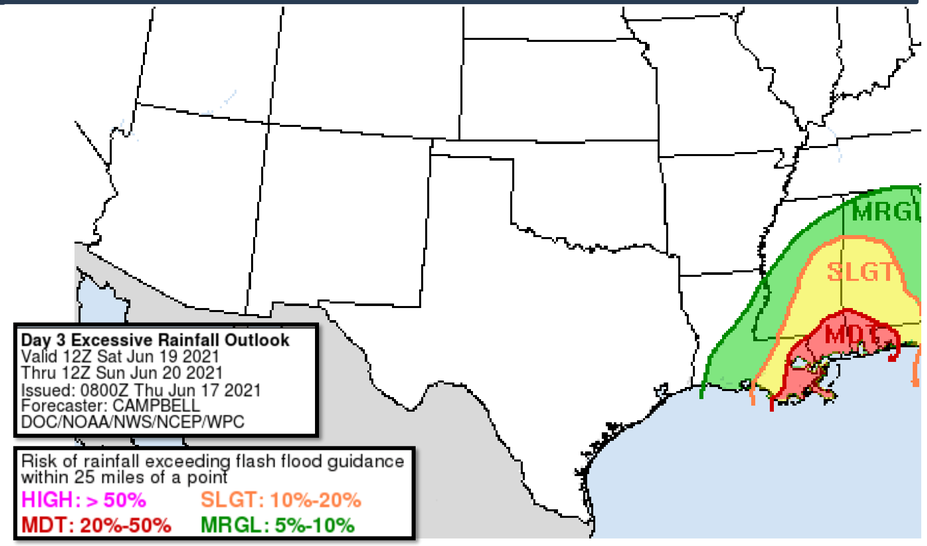
Heavy rain/flash flooding likely across SE LA.

Isolated severe storms with brief tornadoes possible for S LA.

Severe Weather Outlook



Excessive Rainfall Outlook



Days 4-5 Weather Hazards

Sunday - Monday

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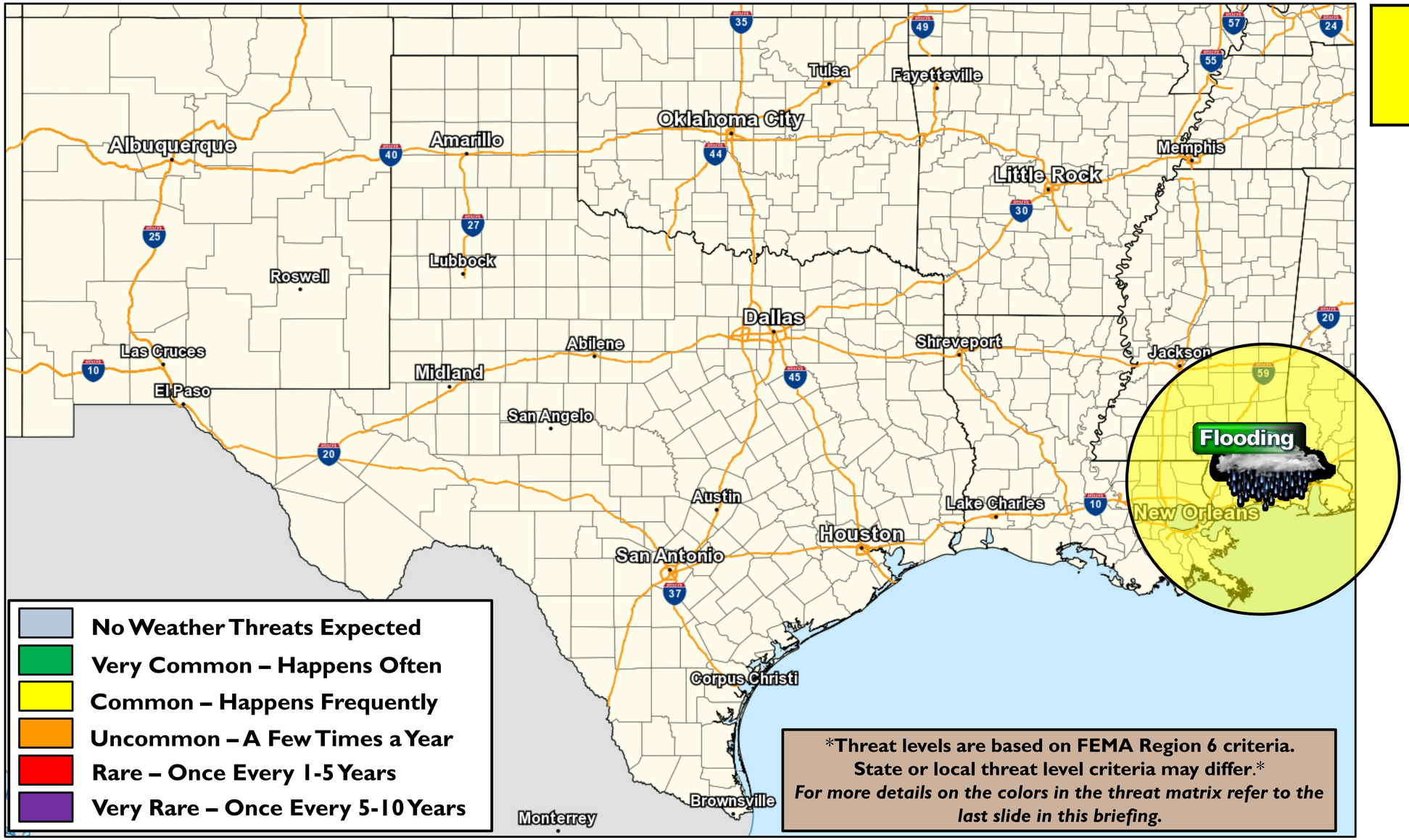
Heavy rain/flash flooding threat may continue on Sunday across SE LA.



- 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.

Space Weather 3-Day Forecast

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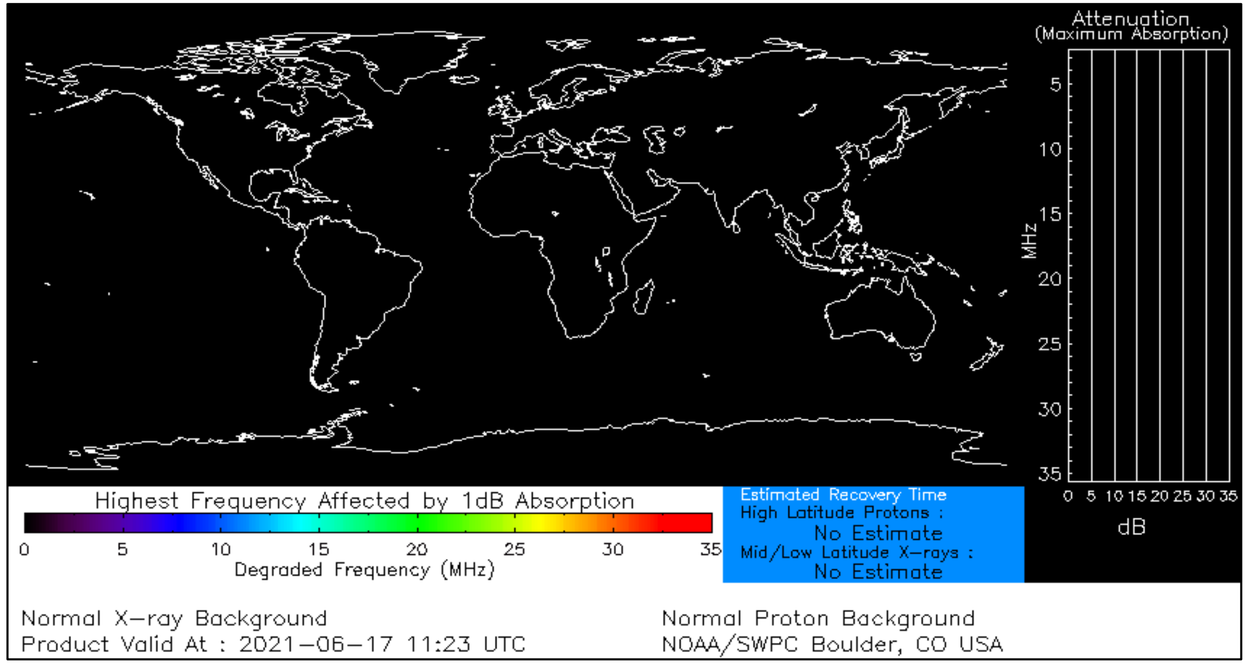
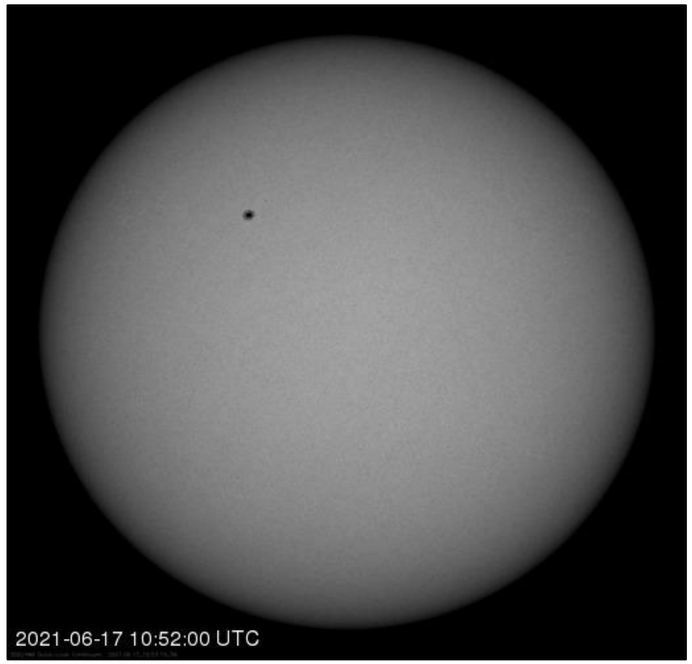
	Thursday	Friday	Saturday
Geomagnetic Storms	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[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

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Weather "Threat" Matrix			
Color	**Definition**	**Criteria**	**Example(s)**
Green	**Very Common** Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	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	• 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	**Somewhat Common – Happens Frequently** Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	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	• 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	**Uncommon – A Few Times a Year** Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	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	• 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	**Rare – Once every 1-5 Years** Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	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	• 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	**Very Rare – Once Every 5-10 Years** 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	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	• 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.