



FEMA



Prepared by
Kurt Van Speybroeck

FEMA Region 6 Weather Threat Briefing

Friday July 24, 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



- **Tropical Storm Hanna is 285 miles east southeast of Corpus Christi, TX and is moving WNW at 9 mph.**
 - **Heavy rain/flash flooding possible along the TX/LA coasts into S TX through Sunday night.**
 - **Tropical storm force winds possible along the TX Coast.**
- **Isolated heavy rain/flash flooding potential associated with the seasonal monsoon continues over parts of NM.**
- **Tropical Storm Gonzalo is 580 miles east of the southern windward islands and moving W at 15 mph. No impacts to FEMA 6 in the next five days.**

FEMA Region 6 Threat Matrix



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Jul 24, 2020 - Jul 28, 2020

| DAY / THREAT | Fri | Sat | Sun | Mon | Tue |
|-----------------------------|-----------------|---------------|---------------|-----|-----|
| Severe Storms | | STX | | | |
| Heavy Rain / Flash Flooding | NM TX/LA coasts | Deep South TX | Deep South TX | NM | NM |
| | | NM/STX | NM/STX/S LA | | |
| Fire Weather | | | | | |
| Tropical Winds / Surge | TX Coast | TX Coast | | | |
| 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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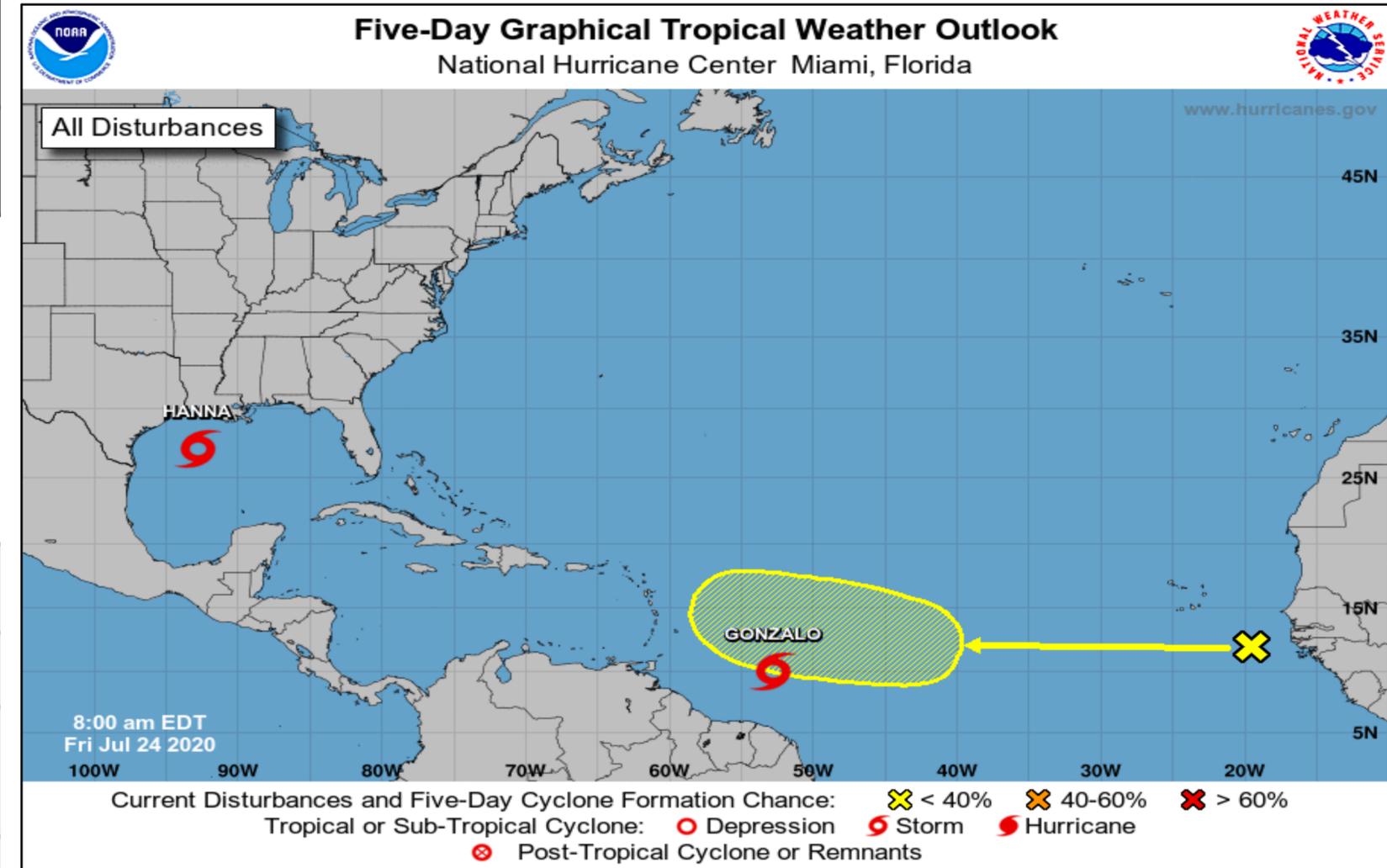
See next slide for more information

Areas of Possible Development

| Area | Chance of Development | Potential Impacts to FEMA 6 |
|------|-----------------------|-----------------------------|
| 1 | Low | None at this time. |

Active Tropical Cyclones

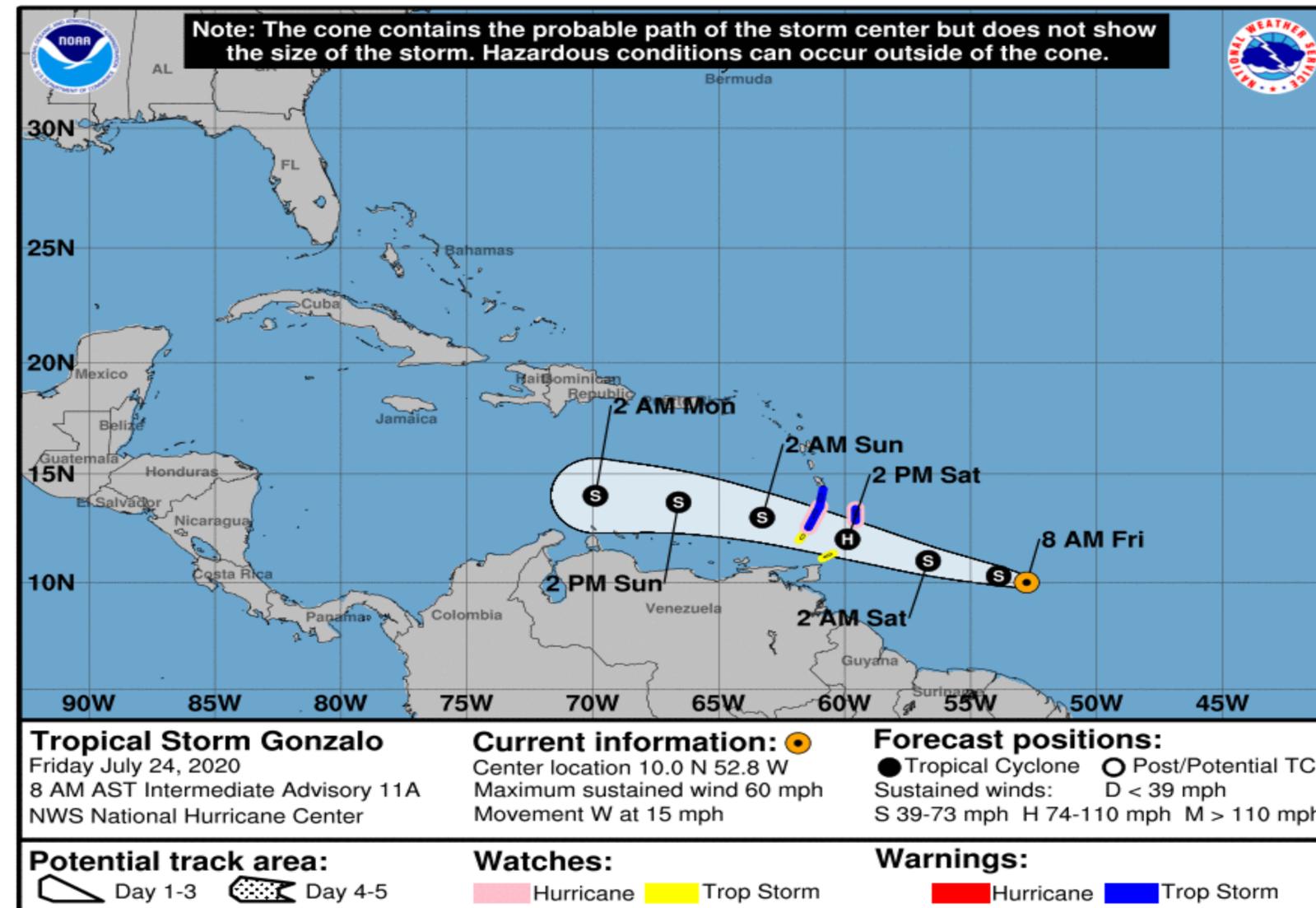
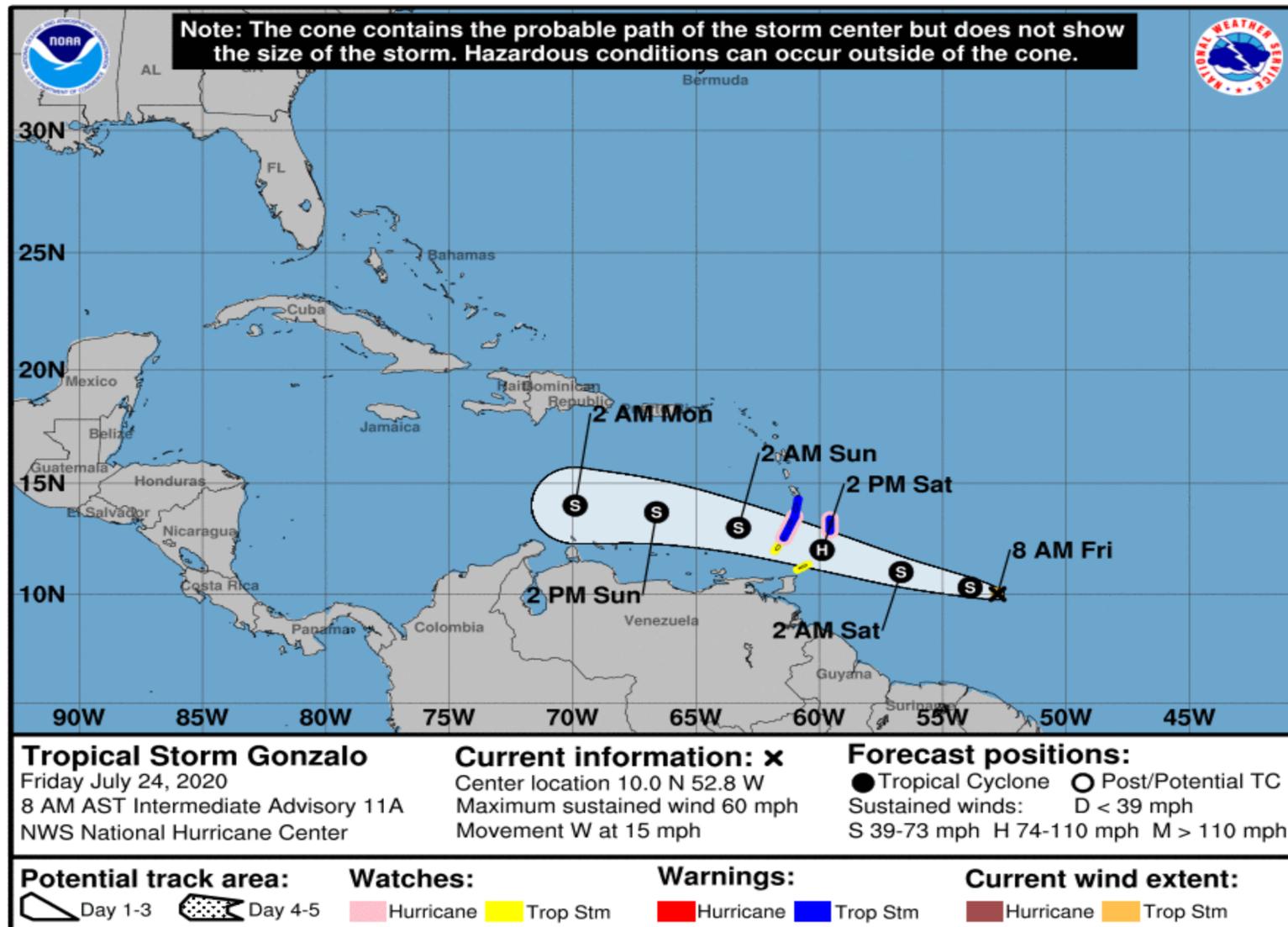
| Storm | Potential Impacts to FEMA 6 |
|---------|--|
| Gonzalo | None at this time. |
| Hanna | Locally heavy rain/flash flooding possible (4 – 8 inches/max 12 inches) along the Gulf Coast in S TX. Tropical storm force winds along the TX Coast. |



Tropical Weather Outlook – Atlantic/Gulf



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Tropical Storm Hanna is 285 miles east southeast of Corpus Christi, TX and is moving WNW at 9 mph.

Tropical Storm Gonzalo is 580 miles east of the southern windward islands and moving W at 15 mph.

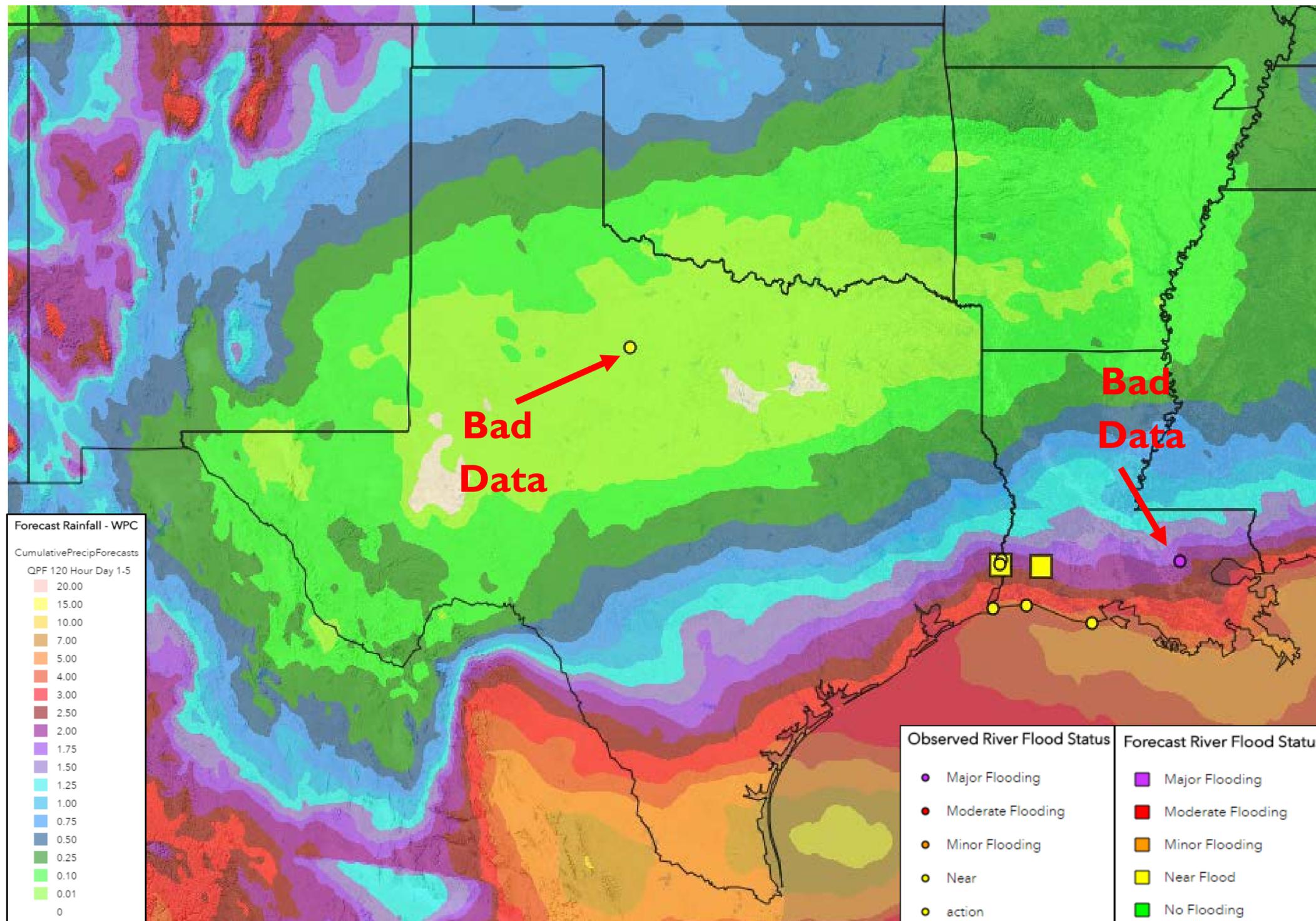
5-Day Precipitation Forecast & River Flood Status



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

Isolated heavy rain across the Gulf Coast into STX through the weekend. Isolated minor to moderate river flooding possible.



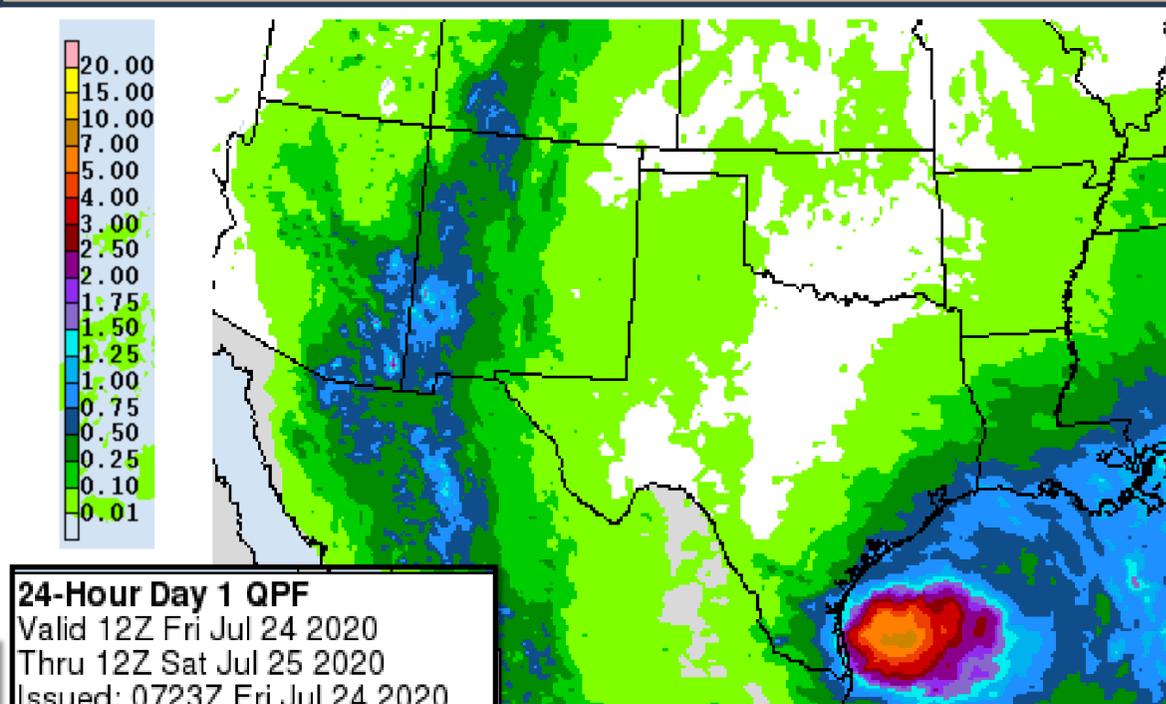
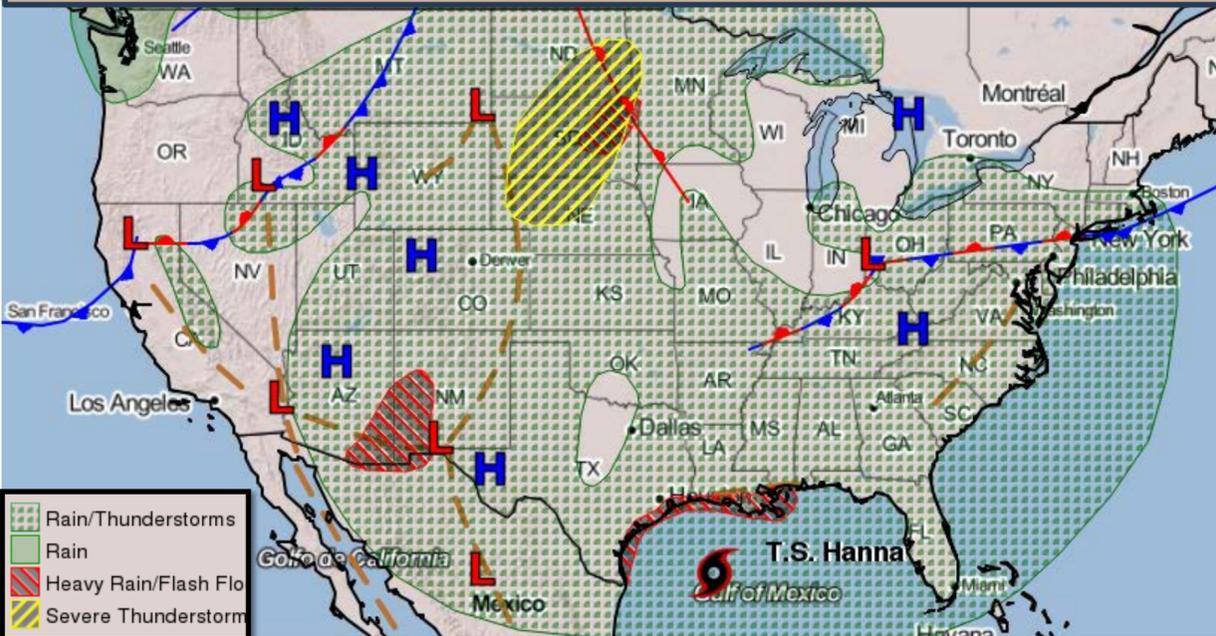
Today's Weather



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Forecast Chart

Forecast Rainfall



Isolated heavy rain/flash flooding possible across NM.

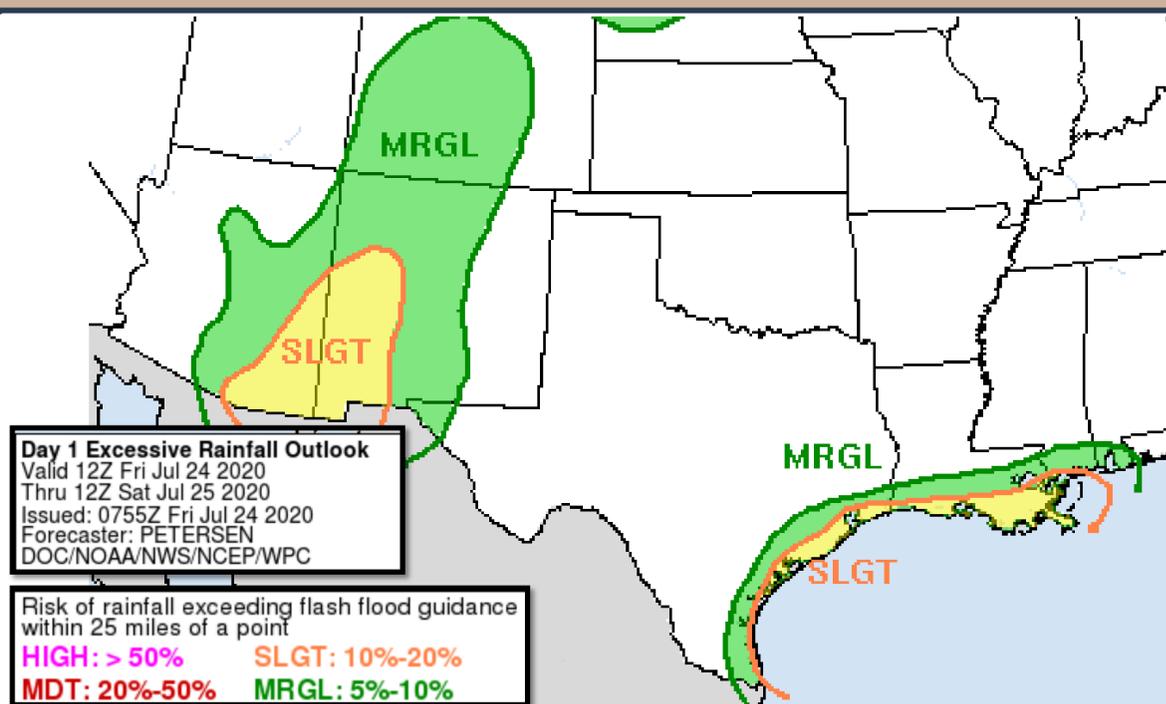
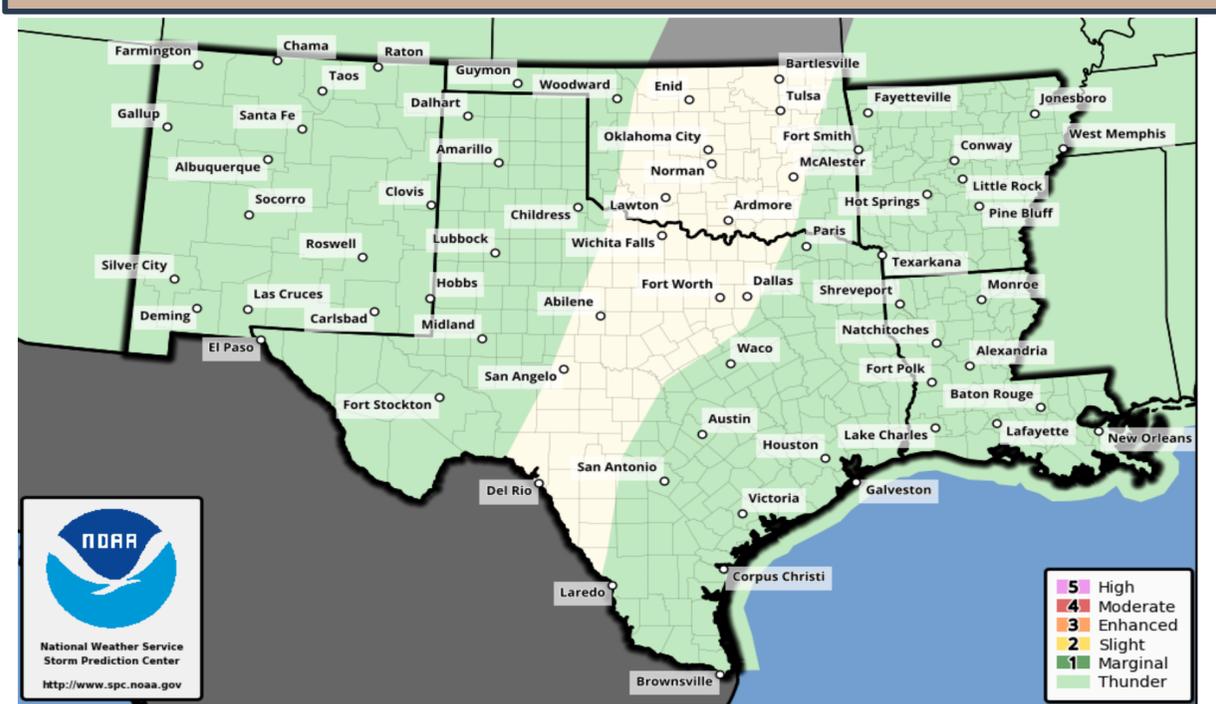
Locally heavy rain/flash flooding along the TX/LA Gulf Coast.

Weather Valid 8am EDT Fri Jul 24 2020 to 8am EDT Sat Jul 25 2020
Fronts Valid 8am EDT Fri Jul 24 2020
Issued 4:35 AM EDT Fri, Jul 24, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Snell with WPC/SPC/NHC forecasts.

24-Hour Day 1 QPF
Valid 12Z Fri Jul 24 2020
Thru 12Z Sat Jul 25 2020
Issued: 0723Z Fri Jul 24 2020

Severe Weather Outlook

Excessive Rainfall Outlook



Day 1 Excessive Rainfall Outlook
Valid 12Z Fri Jul 24 2020
Thru 12Z Sat Jul 25 2020
Issued: 0755Z Fri Jul 24 2020
Forecaster: PETERSEN
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%**

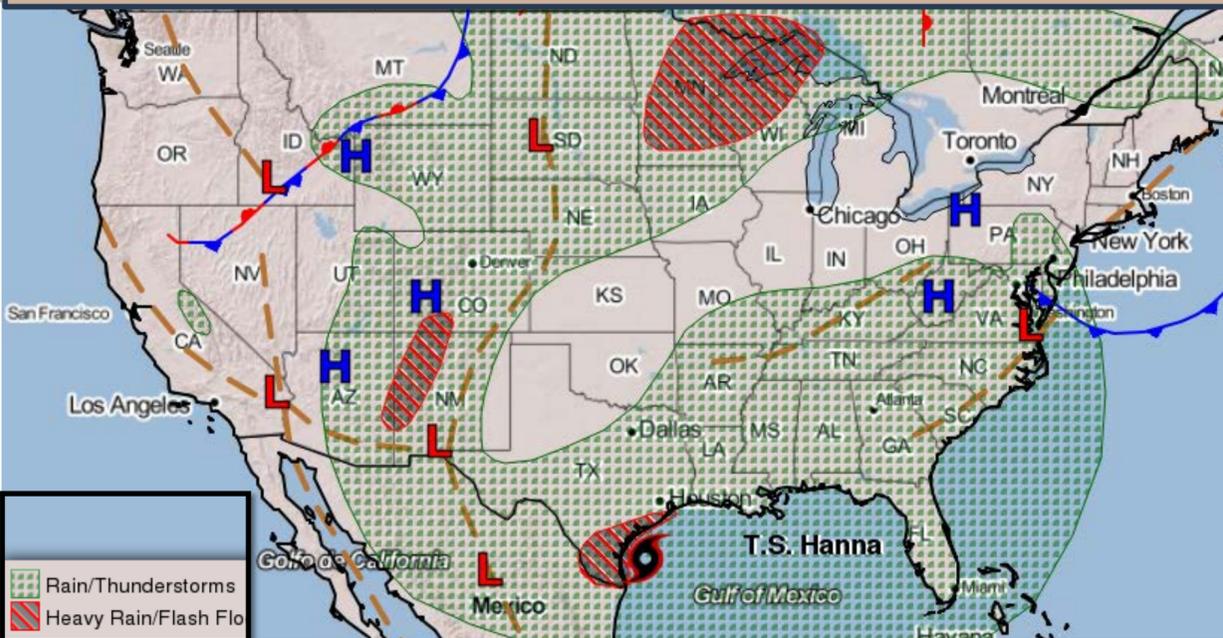


Tomorrow's Weather



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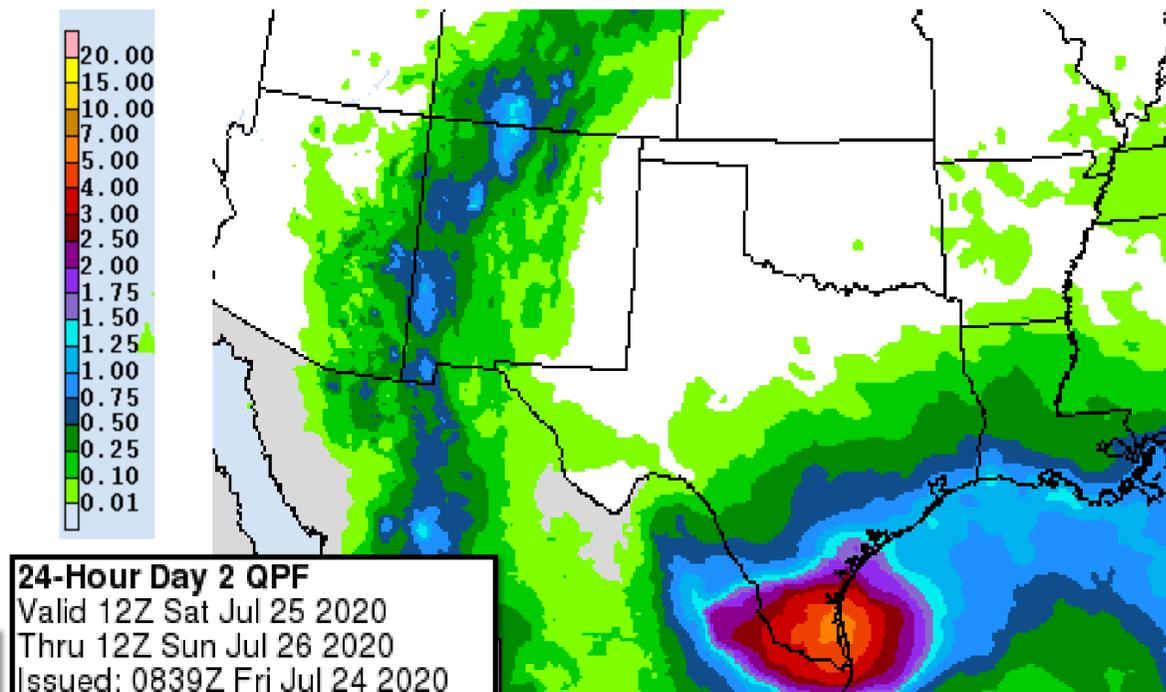
Forecast Chart



Weather Valid 8am EDT Sat Jul 25 2020 to 8am EDT Sun Jul 26 2020
 Fronts Valid 8am EDT Sat Jul 25 2020

Issued 4:37 AM EDT Fri, Jul 24, 2020
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Snell with WPC/SPC/NHC forecasts.

Forecast Rainfall

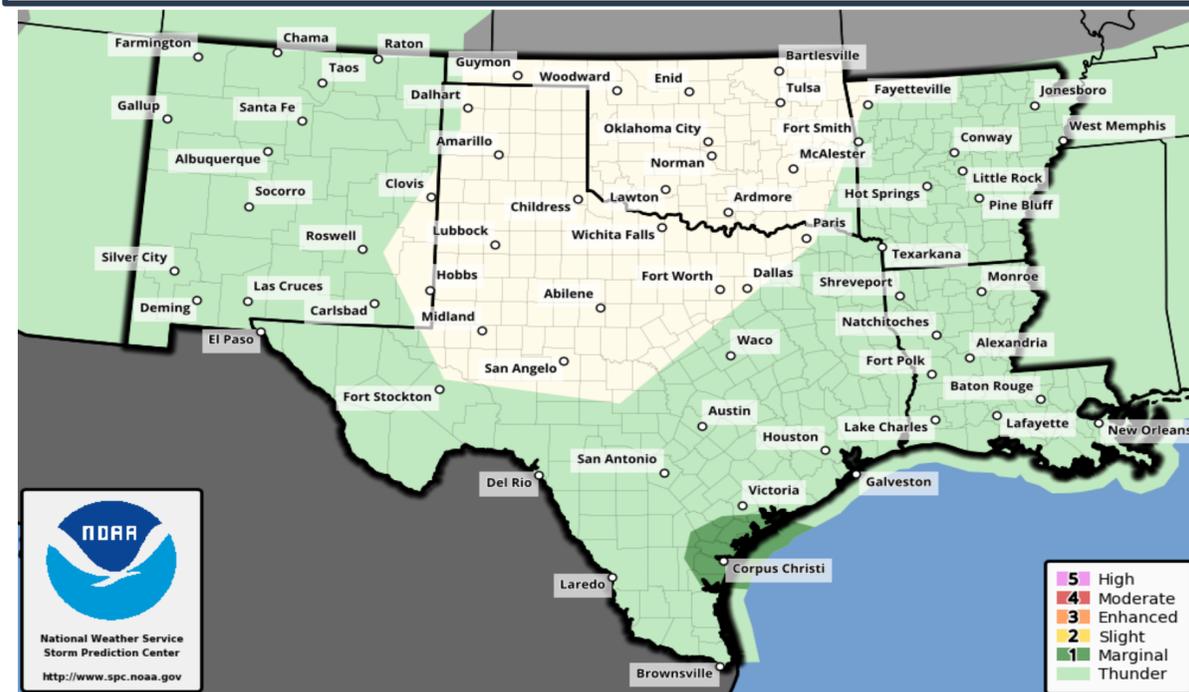


Moderate risk of heavy rain and flash flooding across Deep South Texas.

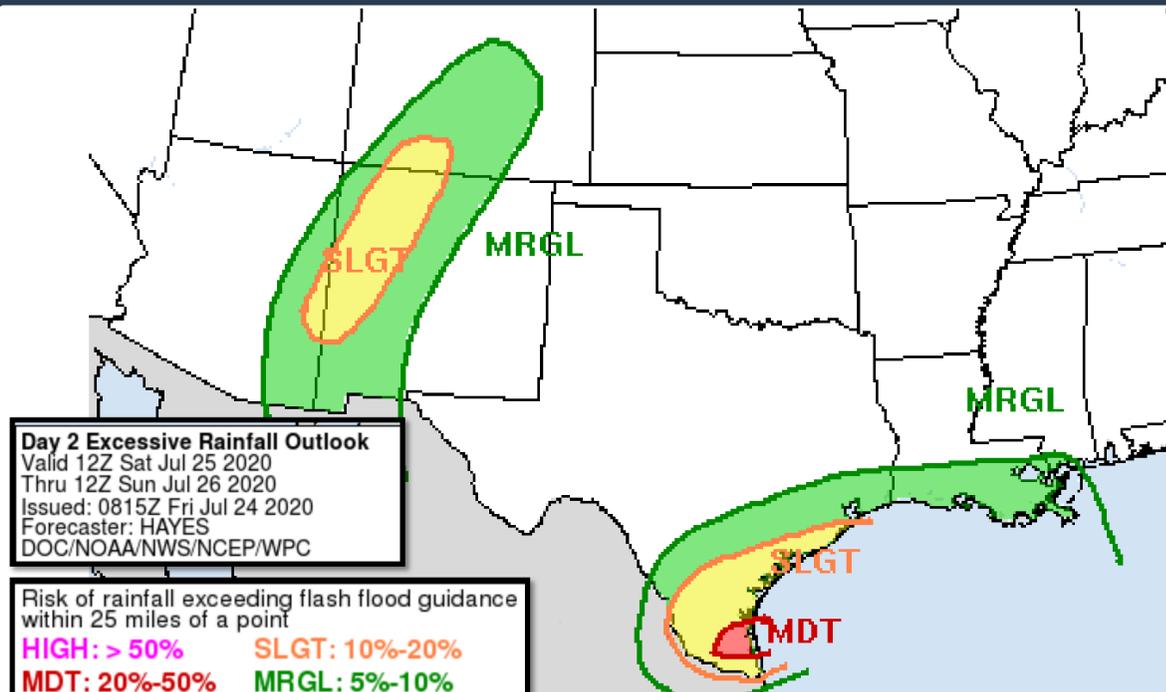
Heavy rain/flash flooding across NM and STX.

Marginal risk of severe storms across TX/LA.

Severe Weather Outlook



Excessive Rainfall Outlook



Sunday's Weather

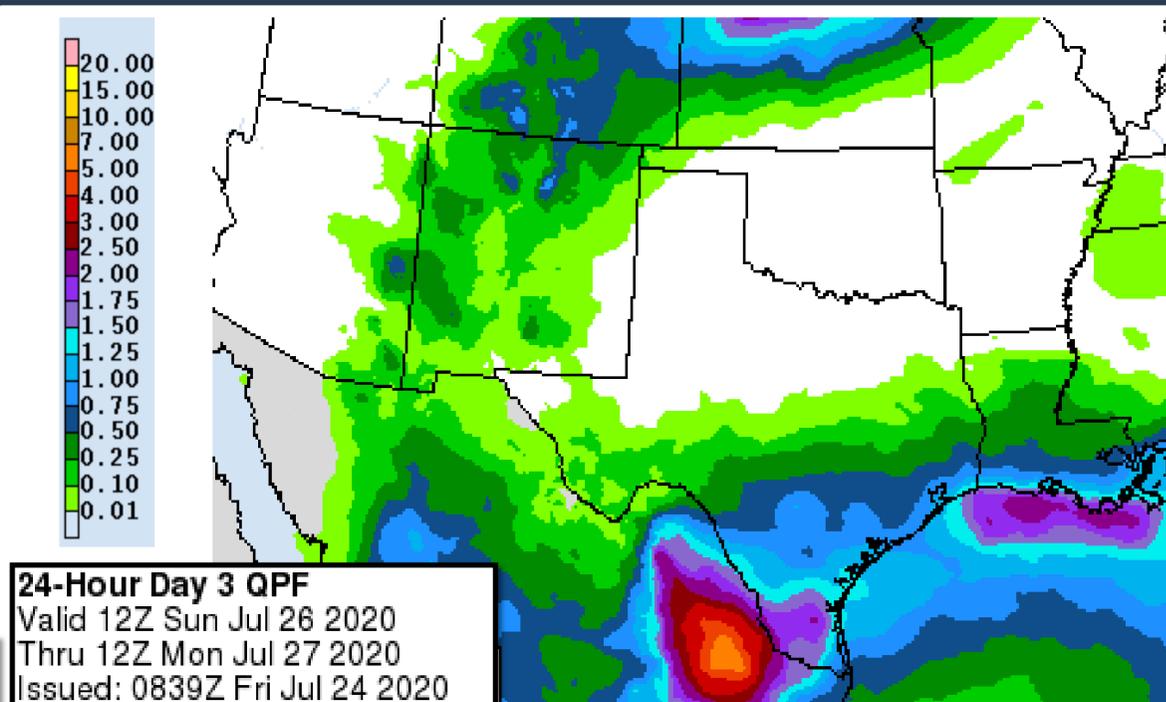
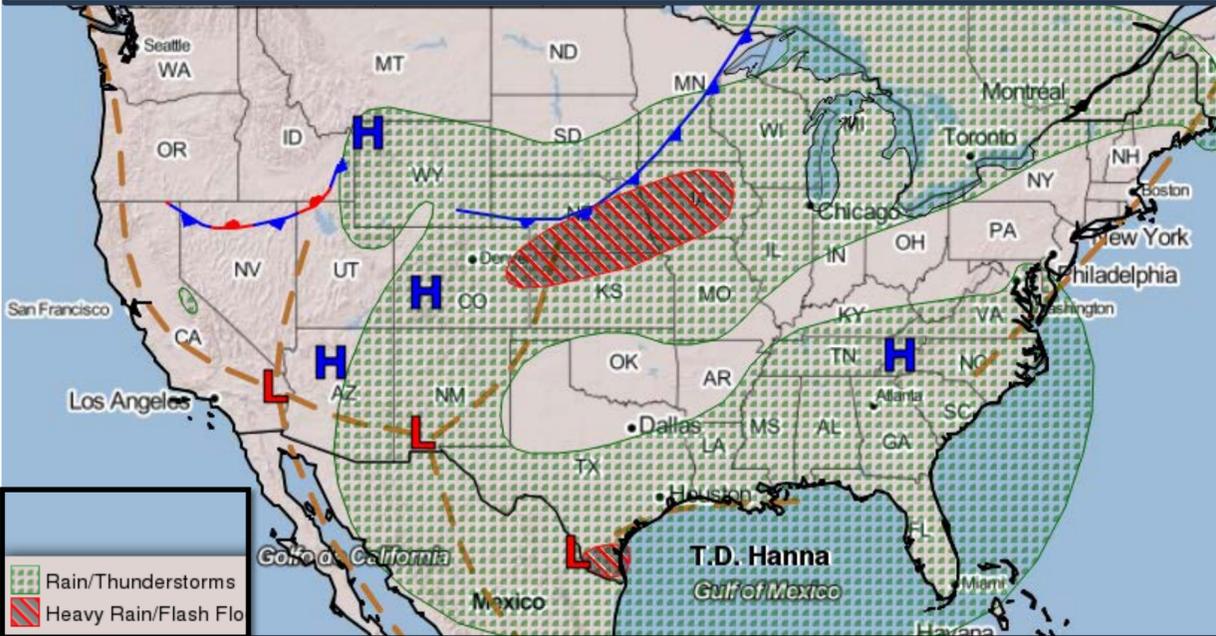


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Forecast Chart

Forecast Rainfall

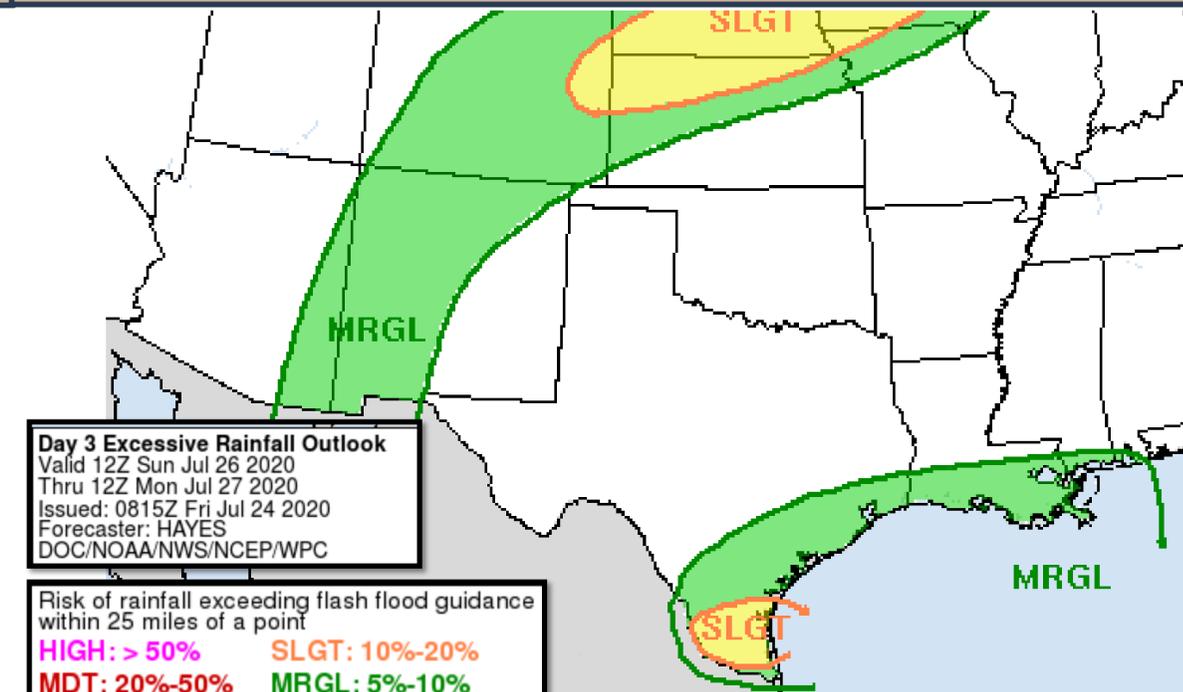
**Heavy rain/flash flooding
across Deep South TX.**



Weather Valid 8am EDT Sun Jul 26 2020 to 8am EDT Mon Jul 27 2020
Fronts Valid 8am EDT Sun Jul 26 2020
Issued 4:39 AM EDT Fri, Jul 24, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Snell with WPC/SPC/NHC forecasts.

Severe Weather Outlook

Excessive Rainfall Outlook



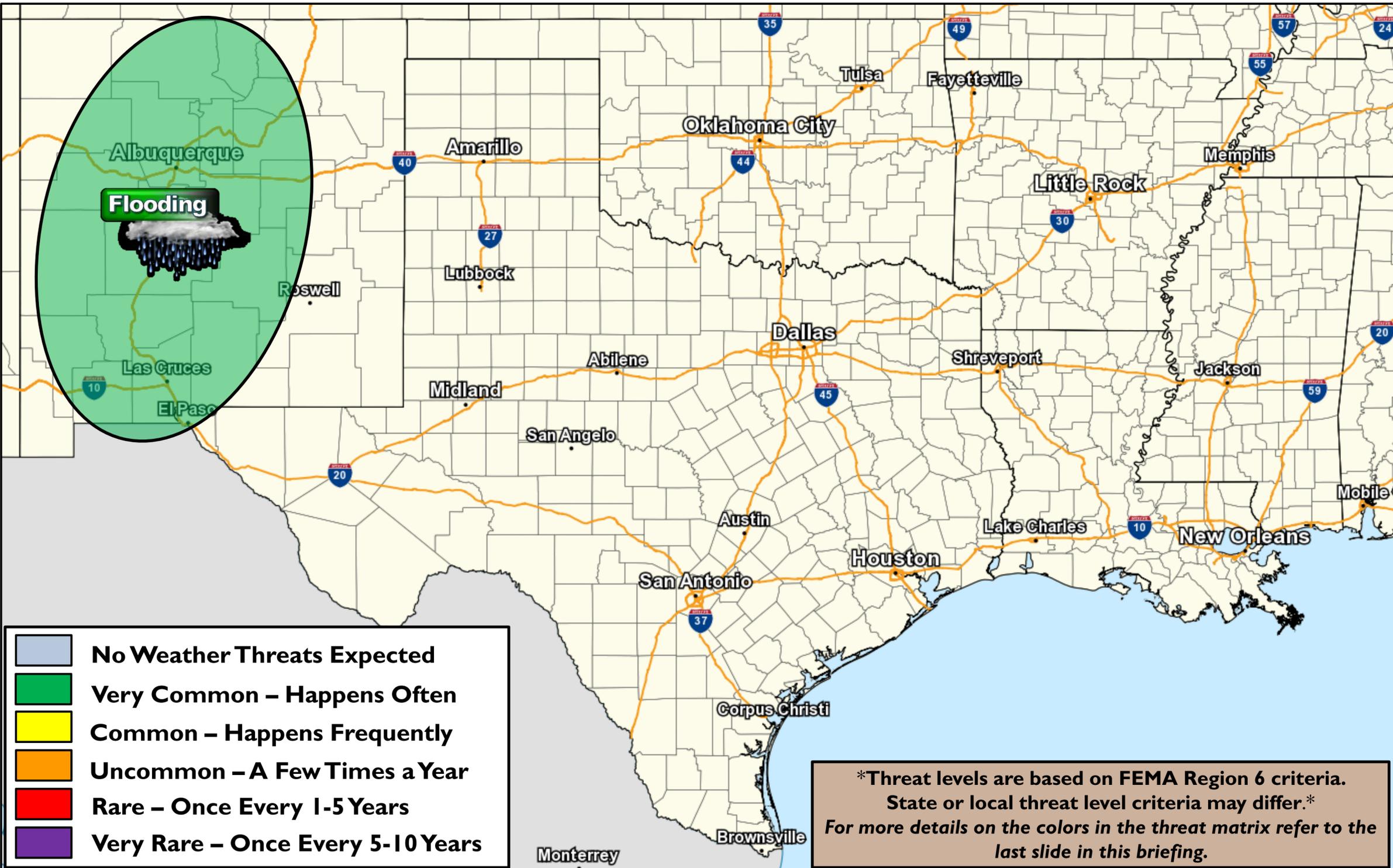
Days 4-5 Weather Hazards

Monday - Tuesday



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Isolated heavy rain/flash flooding possible over NM.

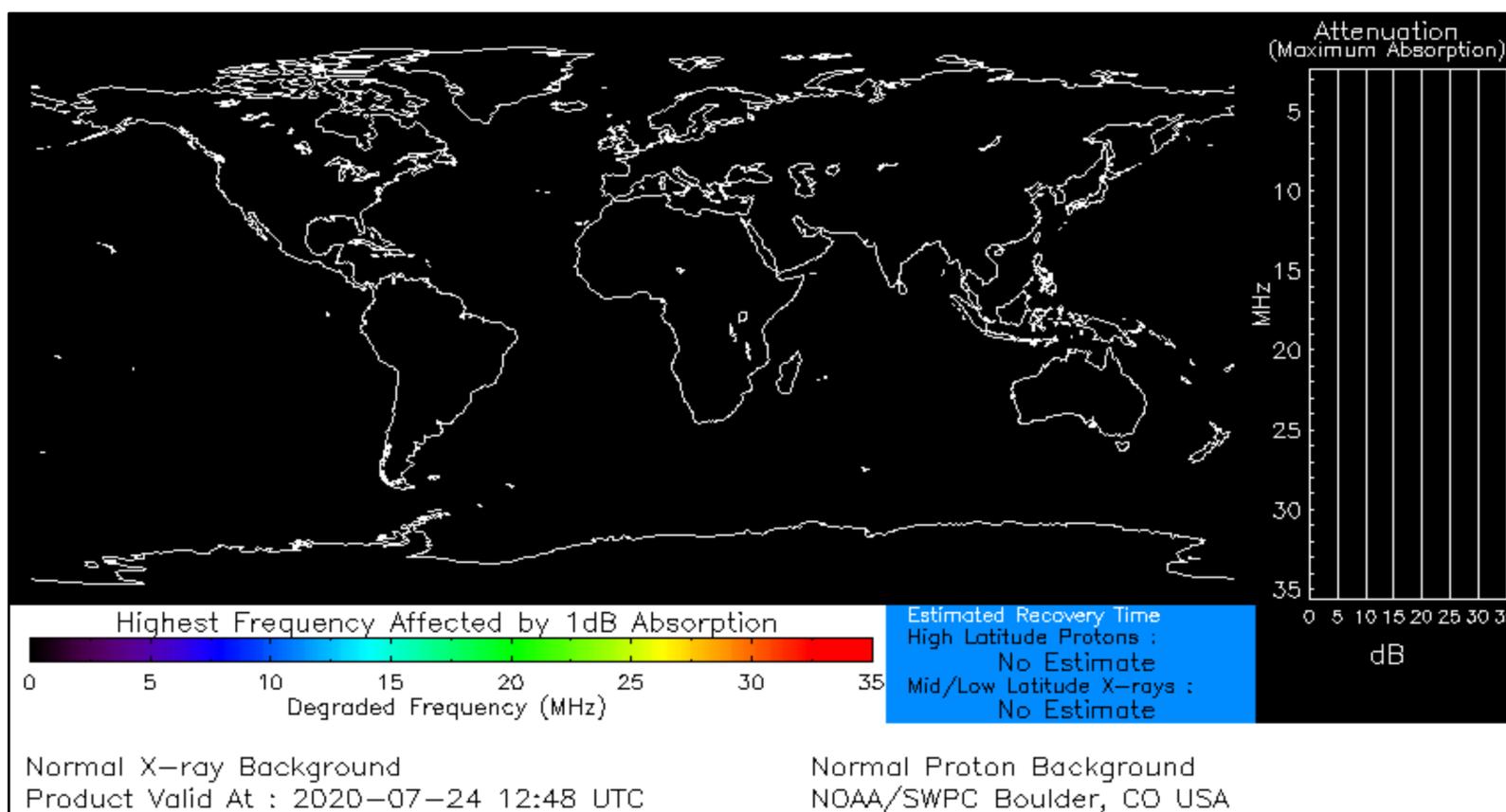


Space Weather 3-Day Forecast



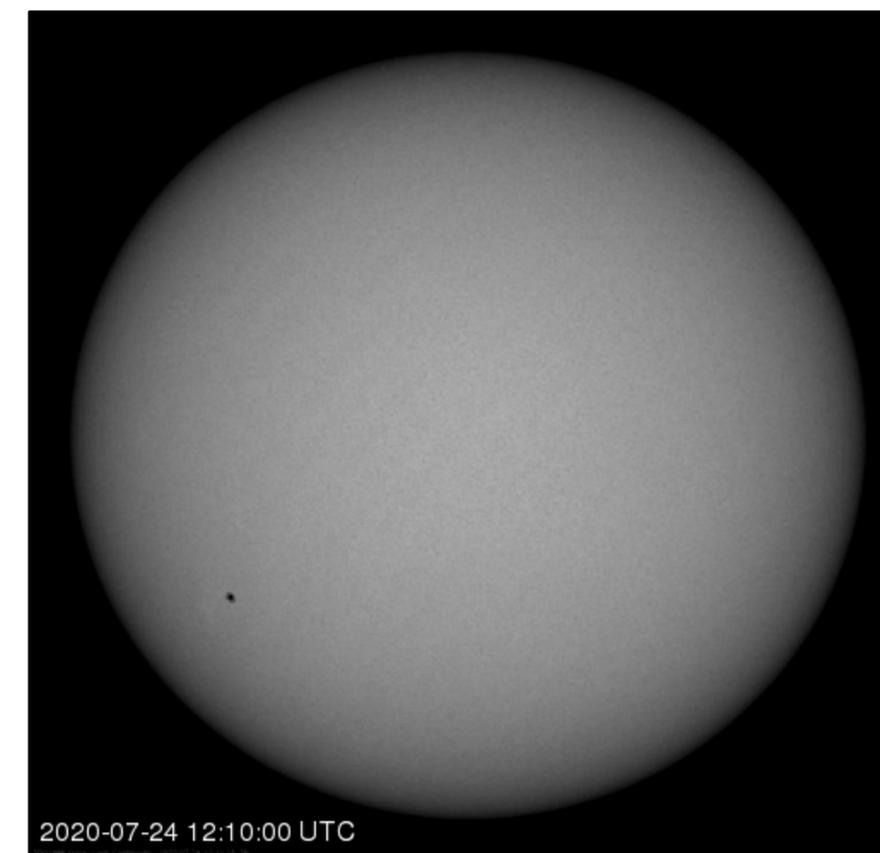
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| | Friday | Saturday | Sunday |
|--------------------------------------|--|---|--|
| Geomagnetic Storms | Quiet to Unsettled (Max Kp = 3) | Unsettled to Active (Max Kp = 4) | Quiet to Unsettled (Max Kp = 3) |
| Solar Radiation Storm (S1-S5) | 1% | 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