



FEMA



Prepared by
Brian Hoeth

FEMA Region 6 Weather Threat Briefing

Sunday August 2, 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.



- **Marginal risk of severe storms today across NM, W TX into the TX/OK Panhandles and tomorrow for NE NM.**
- **Isolated heavy rainfall/flash flooding today across NM.**
- **Isaias will approach Florida today. No impacts to FEMA Region 6.**

FEMA Region 6 Threat Matrix



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Aug 2, 2020 - Aug 6, 2020

DAY / THREAT	Sun	Mon	Tue	Wed	Thu
Severe Storms	NM/WTX TX/OK Panhandles	NE NM			
Heavy Rain / Flash Flooding	NM				
Fire Weather					
Tropical Winds / Surge					
Heat					
River Flooding				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



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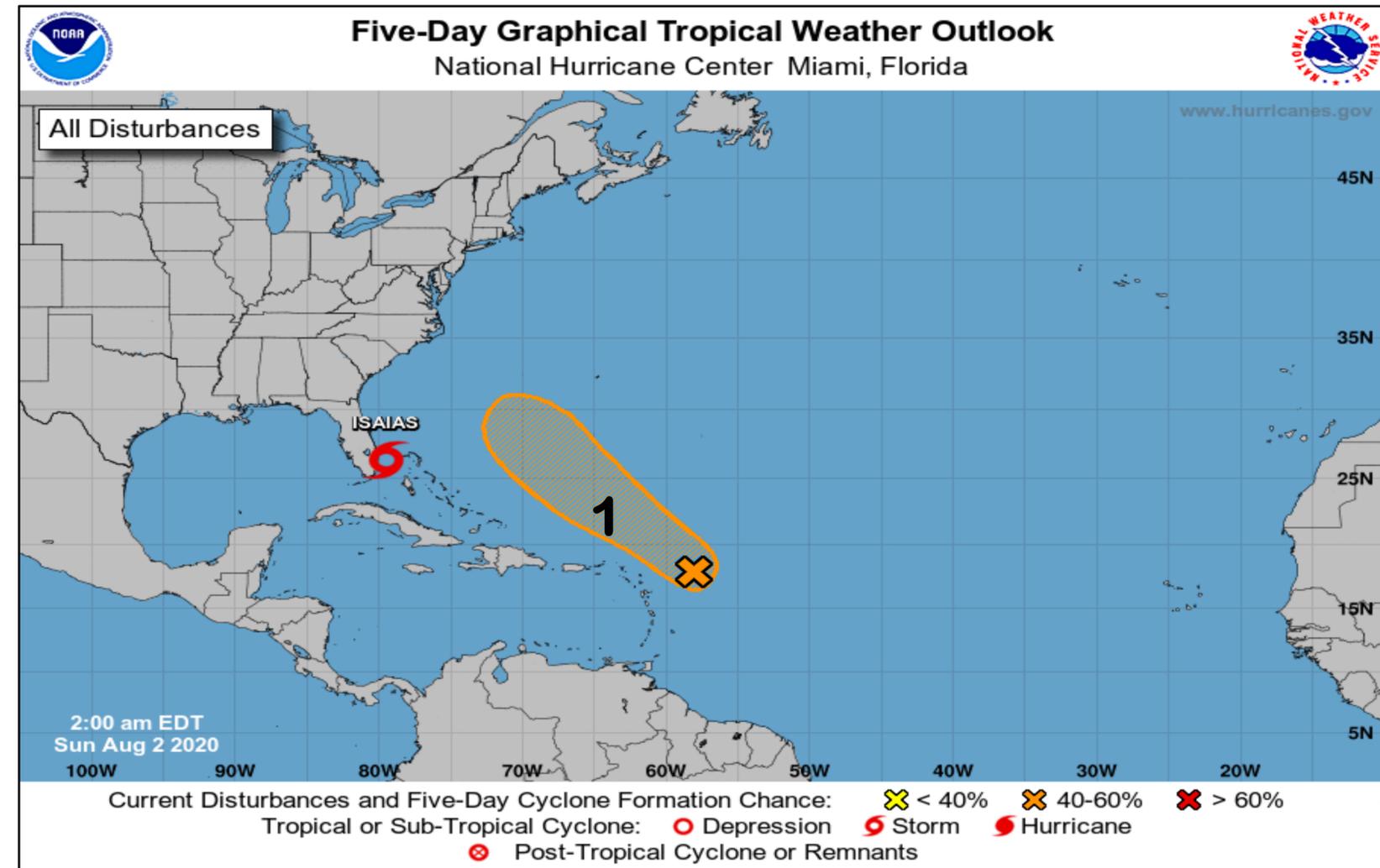
See next slide for more information

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
Isaias	None.



Tropical Storm Isaias

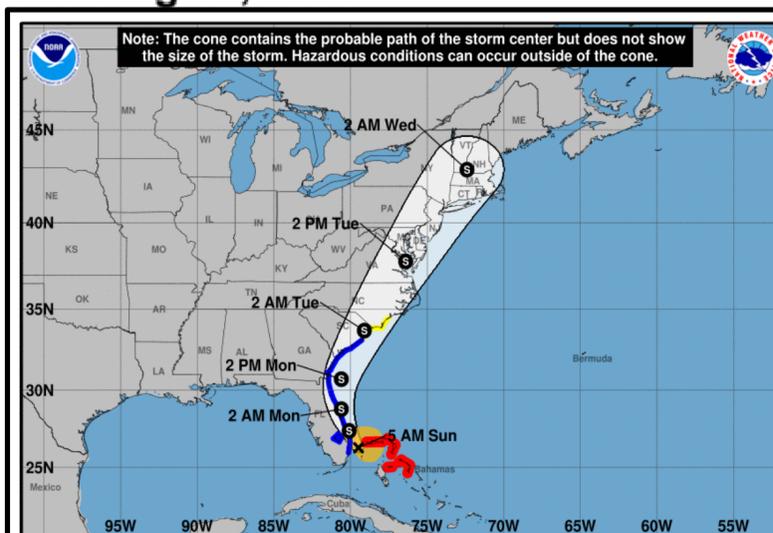


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Key Messages for Tropical Storm Isaias

Advisory 21: 5:00 AM EDT Sun Aug 02, 2020

1. Tropical storm conditions will continue across portions of the northwestern Bahamas through today.
2. Tropical storm conditions are expected to spread northward along the east coast of Florida within the warning area through early Monday. These conditions are expected to spread northward along the coast of Georgia and South Carolina within the warning area on Monday.
3. Dangerous storm surge is possible along the Florida east coast from Jupiter Inlet to Ponte Vedra Beach where water rises of 2 to 4 feet above ground level are possible along the immediate coastline and adjacent waterways. Residents there should follow advice given by local emergency officials.
4. Isaias will produce heavy rains and potentially life-threatening flash flooding across portions of the northwestern Bahamas, and flash and urban flooding, especially in low-lying and poorly drained areas, along the East Coast of the United States. Minor to isolated moderate river flooding is possible across portions of the Carolinas and Mid-Atlantic this week.
5. Tropical storm watches are in effect for portions of the coast of South and North Carolina. Additional watches and warnings will likely be issued later today as Isaias is expected to move northward near or over the southeast and mid-Atlantic coasts over the next couple of days.



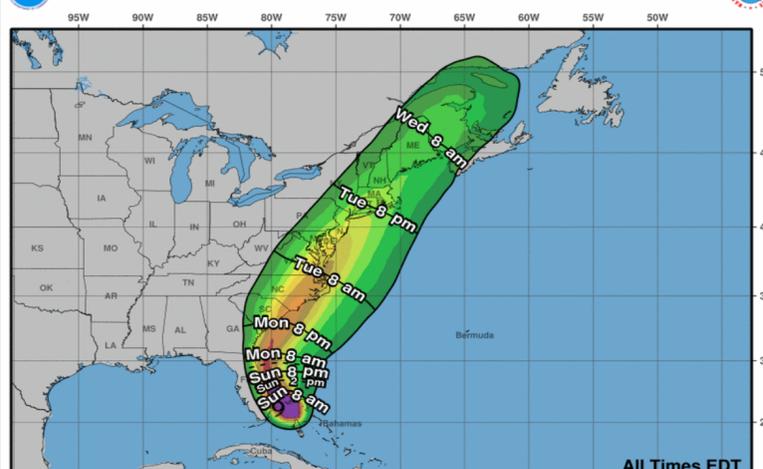
Tropical Storm Isaias
 Sunday August 02, 2020
 5 AM EDT Advisory 21
 NWS National Hurricane Center

Current information: x
 Center location 26.3 N 79.5 W
 Maximum sustained wind 65 mph
 Movement NW at 9 mph

Forecast positions:
 ● Tropical Cyclone ○ Post/Potential TC
 Sustained winds: D < 39 mph
 S 39-73 mph H 74-110 mph M > 110 mph

Potential track area: Day 1-3 (shaded), Day 4-5 (dotted)
Watches: Hurricane (pink), Trop Stm (yellow)
Warnings: Hurricane (red), Trop Stm (blue)
Current wind extent: Hurricane (brown), Trop Stm (orange)

Most Likely Arrival Time of Tropical-Storm-Force Winds

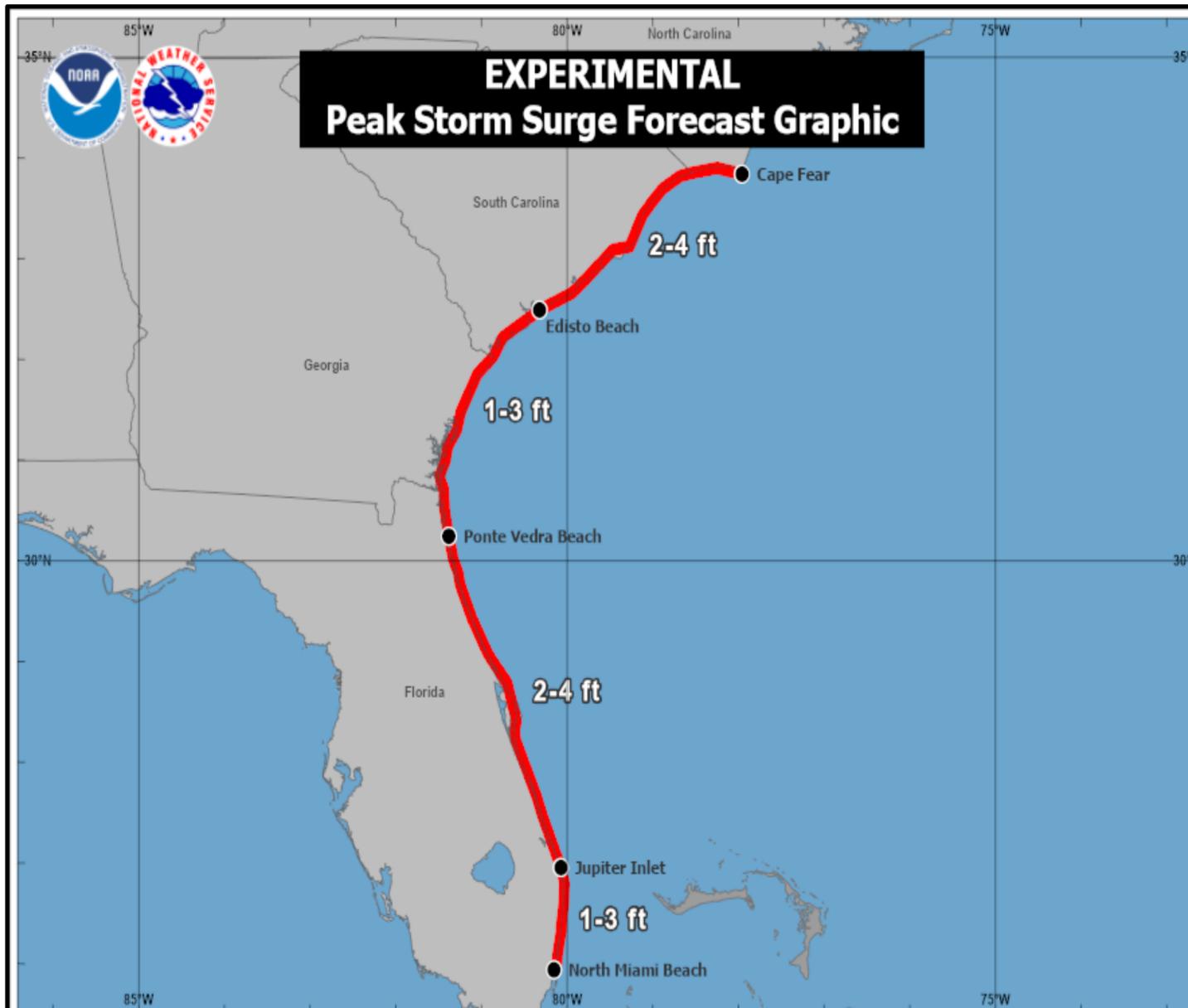


Tropical Storm Isaias
 Sun. Aug. 2, 2020 5 am EDT
 Advisory 21

Storm Location ○ < 34 kt (39 mph)
 ○ 34-63 kt (39-73 mph)
 ● ≥ 64 kt (74 mph)

5-day chance of receiving sustained 34+ kt (39+ mph) winds
 5 10 20 30 40 50 60 70 80 90 100 %

EXPERIMENTAL Peak Storm Surge Forecast Graphic



Tropical Storm Isaias
 Sunday August 02, 2020
 05 AM EDT Advisory 21
 NWS National Hurricane Center

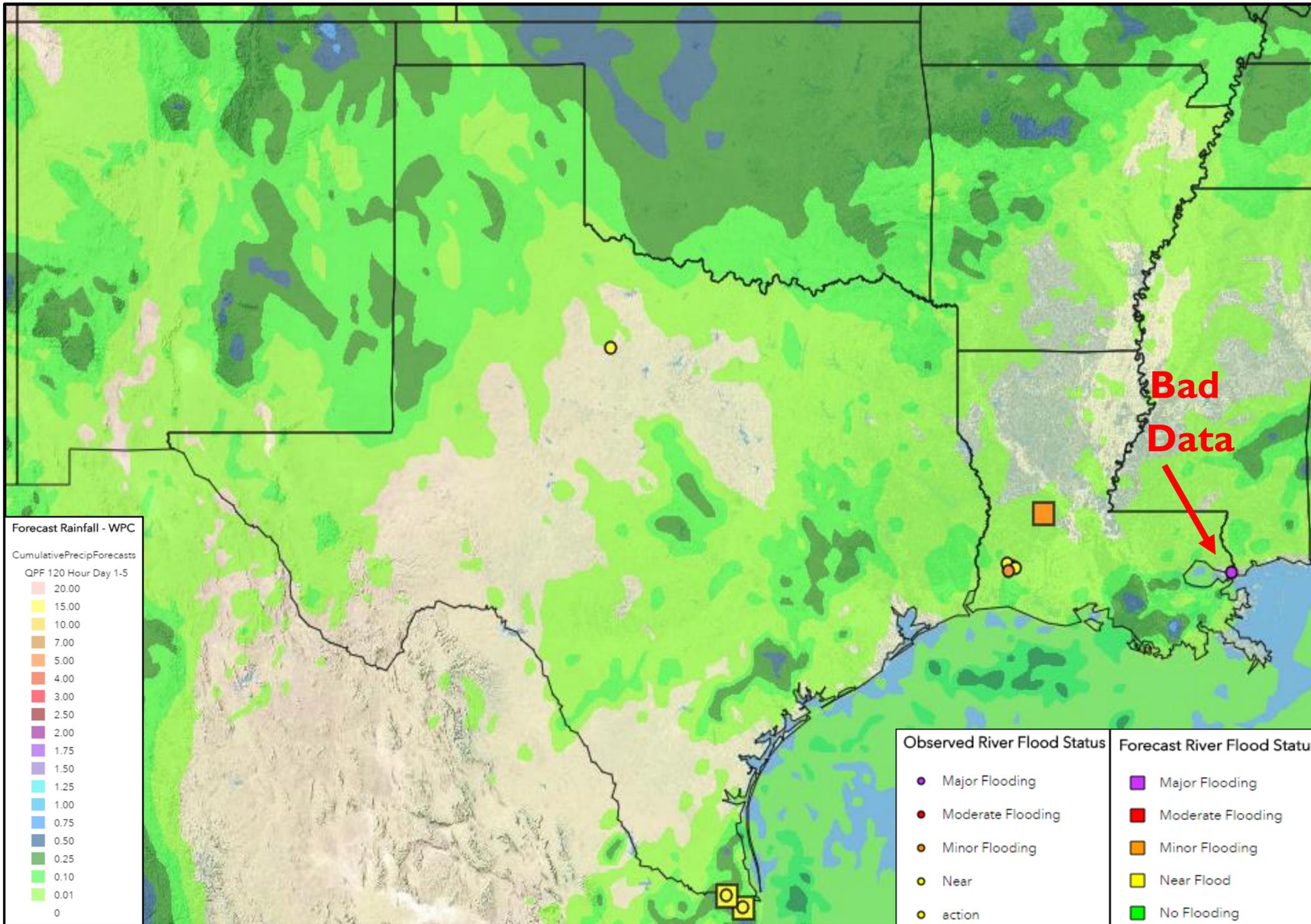
The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water could reach the following heights above ground somewhere within the indicated areas if the peak surge occurs at the time of high tide. The deepest water will occur along the immediate coast near the landfall location, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances.

5-Day Precipitation Forecast & River Flood Status

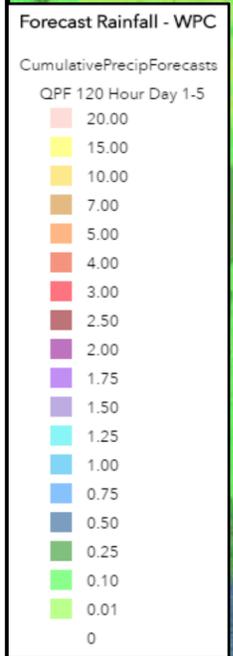


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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



The Calcasieu River near Glenmora is forecast to be in minor flood Wednesday into Thursday with flooding of forested areas near the river.



Observed River Flood Status	Forecast River Flood Status
● Major Flooding	■ Major Flooding
● Moderate Flooding	■ Moderate Flooding
● Minor Flooding	■ Minor Flooding
● Near	■ Near Flood
● action	■ No Flooding

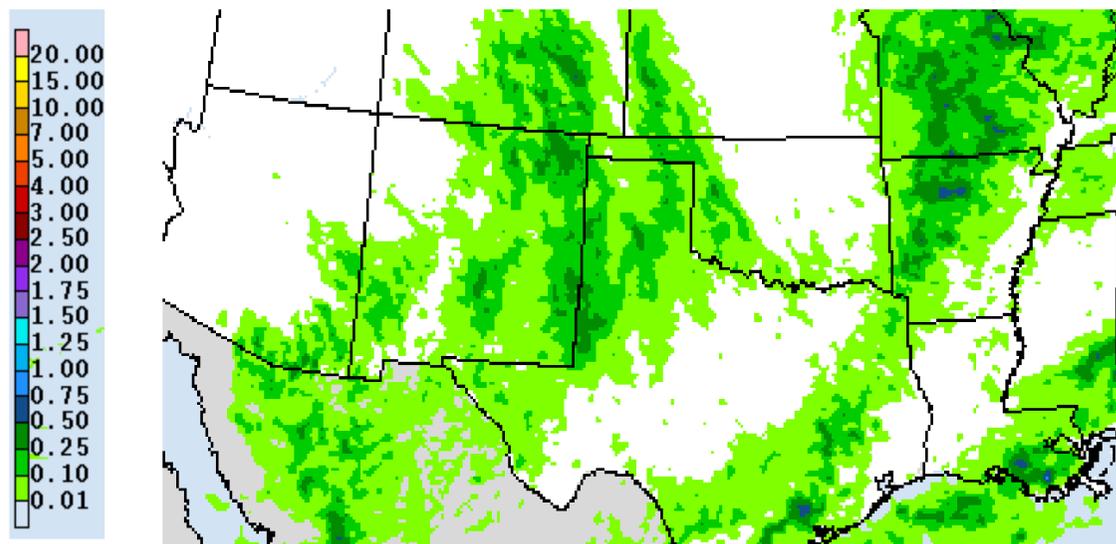
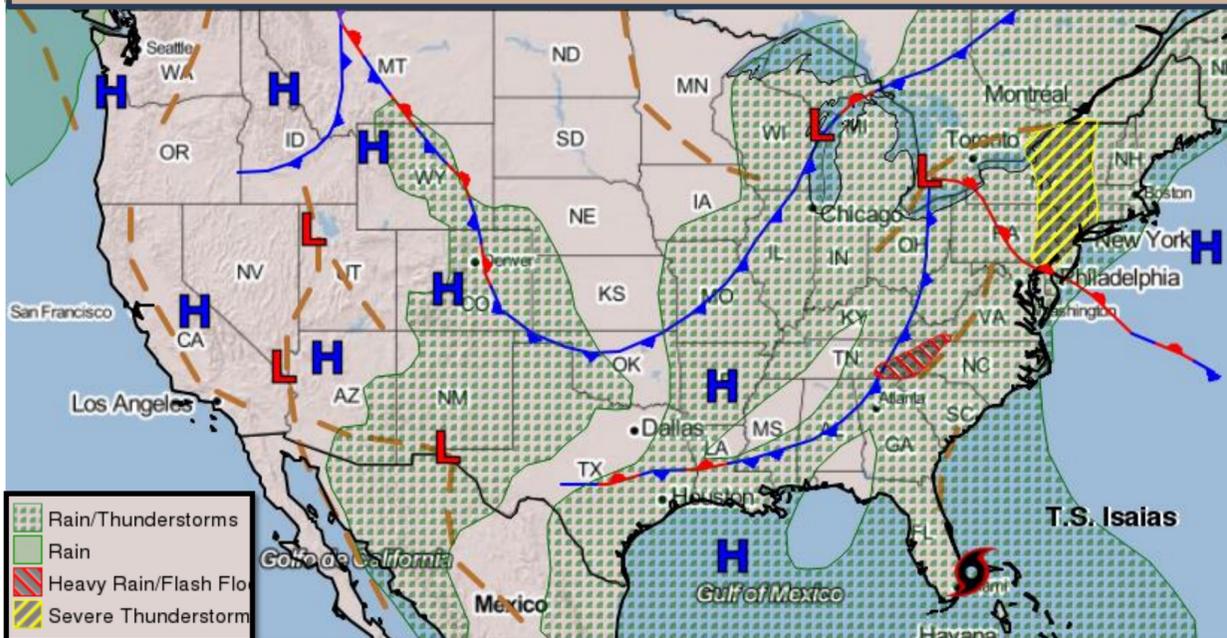
Today's Weather



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Forecast Chart

Forecast Rainfall



Isolated heavy rainfall/flash flooding across NM.

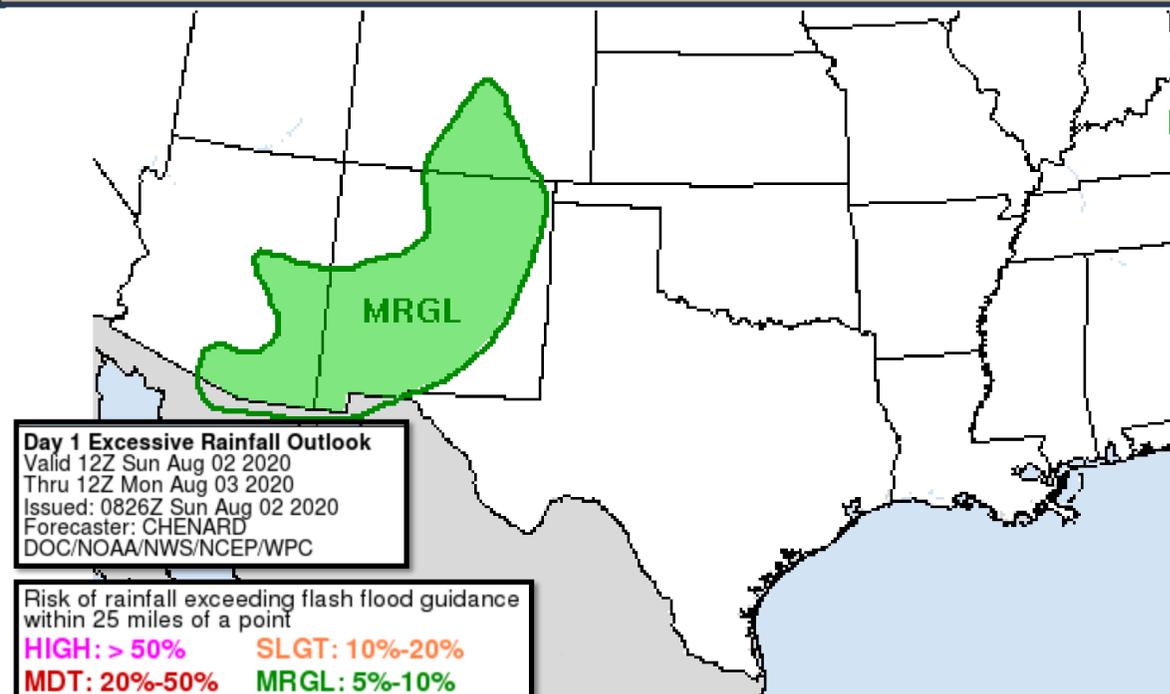
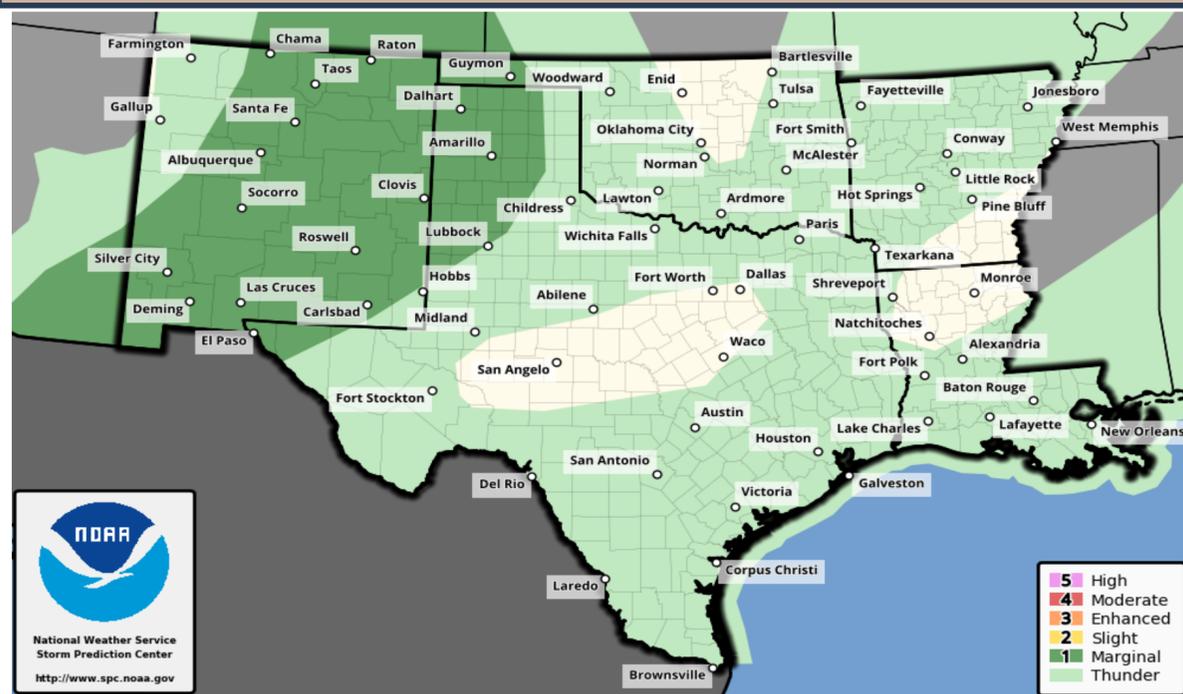
Marginal risk of severe storms across NM/W TX into the TX/OK Panhandles.

Weather Valid 8am EDT Sun Aug 02 2020 to 8am EDT Mon Aug 03 2020
Fronts Valid 8am EDT Sun Aug 02 2020
Issued 4:50 AM EDT Sun, Aug 02, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Pereira with WPC/SPC/NHC forecasts.

24-Hour Day 1 QPF
Valid 12Z Sun Aug 02 2020
Thru 12Z Mon Aug 03 2020
Issued: 0838Z Sun Aug 02 2020

Severe Weather Outlook

Excessive Rainfall Outlook



Day 1 Excessive Rainfall Outlook
Valid 12Z Sun Aug 02 2020
Thru 12Z Mon Aug 03 2020
Issued: 0826Z Sun Aug 02 2020
Forecaster: CHENARD
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

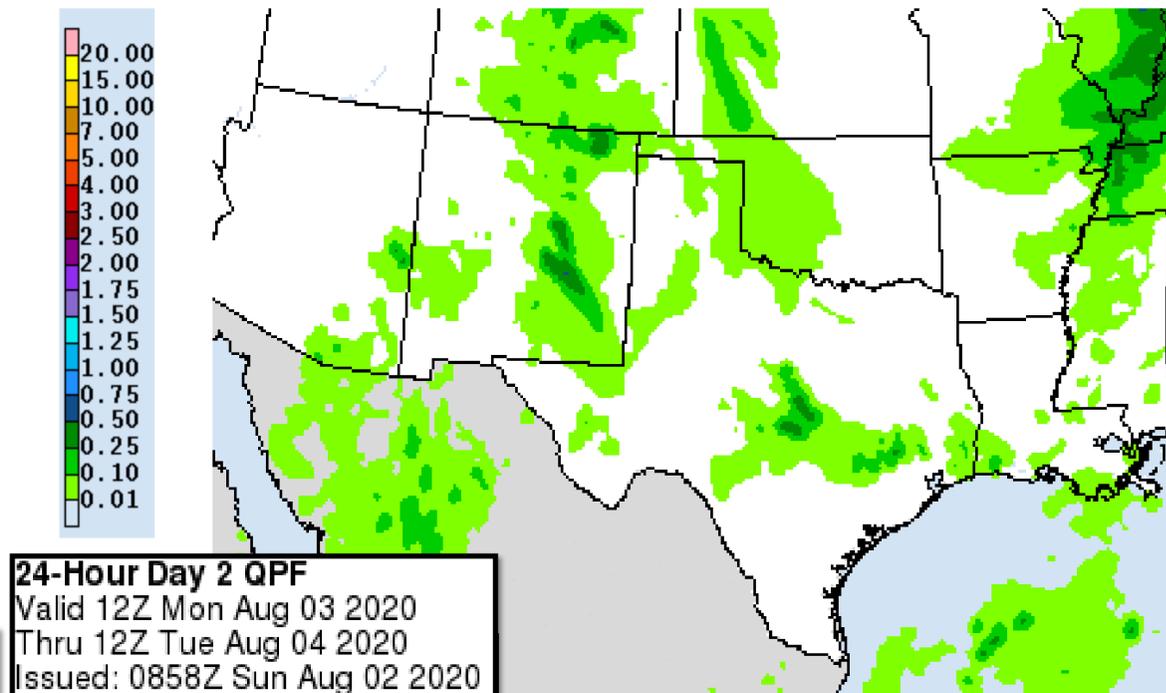
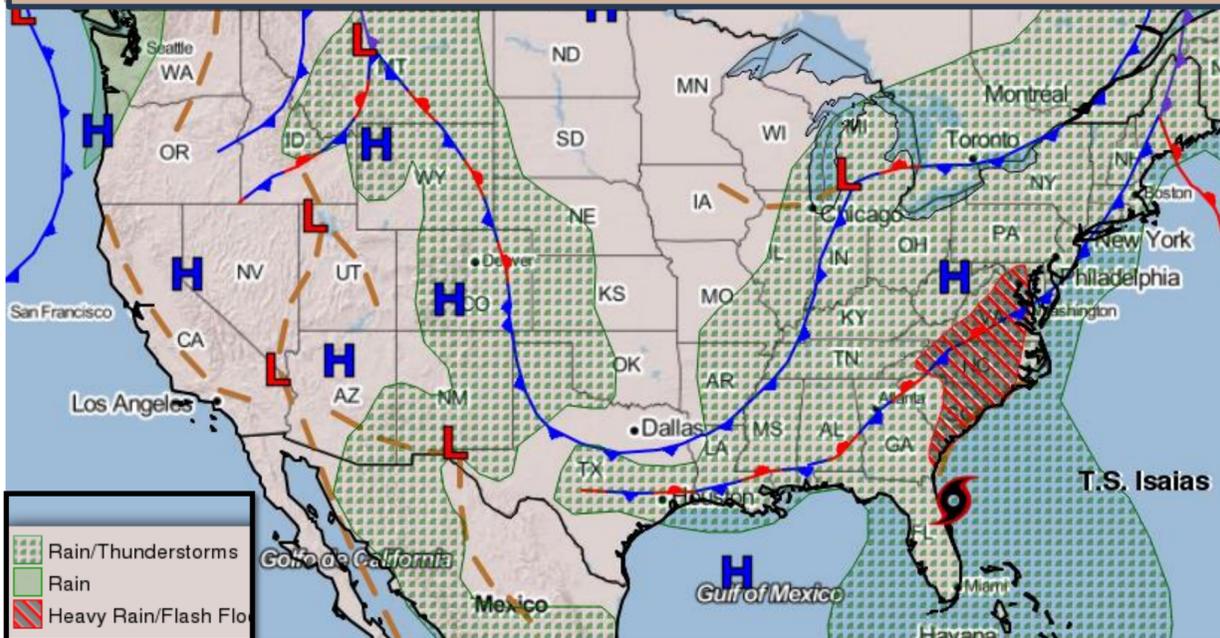


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Forecast Chart

Forecast Rainfall

**Marginal risk of severe storms
across NE NM.**

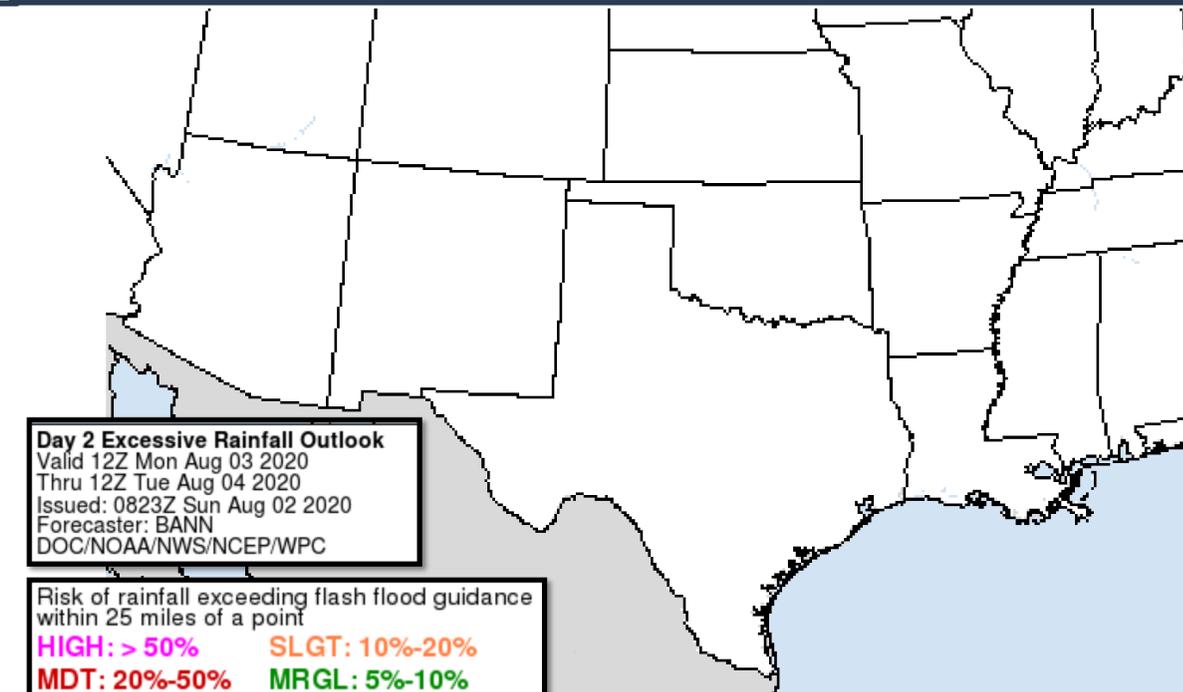
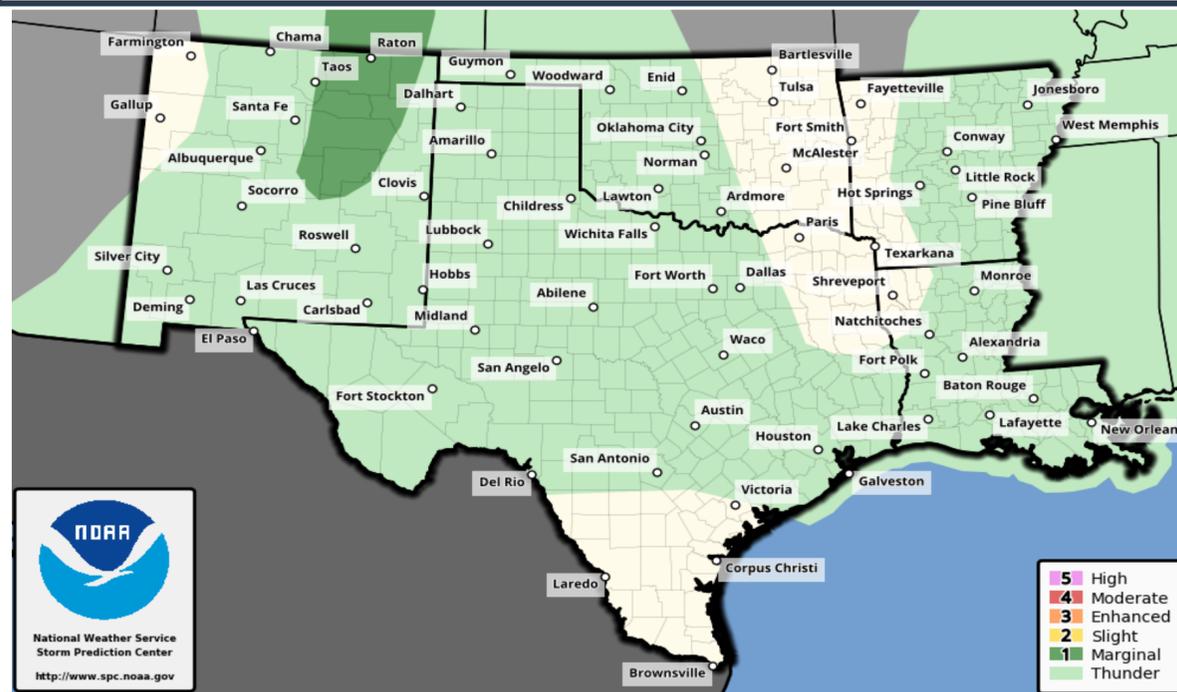


Weather Valid 8am EDT Mon Aug 03 2020 to 8am EDT Tue Aug 04 2020
Fronts Valid 8am EDT Mon Aug 03 2020
Issued 4:52 AM EDT Sun, Aug 02, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Pereira with WPC/SPC/NHC forecasts.

24-Hour Day 2 QPF
Valid 12Z Mon Aug 03 2020
Thru 12Z Tue Aug 04 2020
Issued: 0858Z Sun Aug 02 2020

Severe Weather Outlook

Excessive Rainfall Outlook



Day 2 Excessive Rainfall Outlook
Valid 12Z Mon Aug 03 2020
Thru 12Z Tue Aug 04 2020
Issued: 0823Z Sun Aug 02 2020
Forecaster: BANN
DOC/NOAA/NWS/NCEP/WPC

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

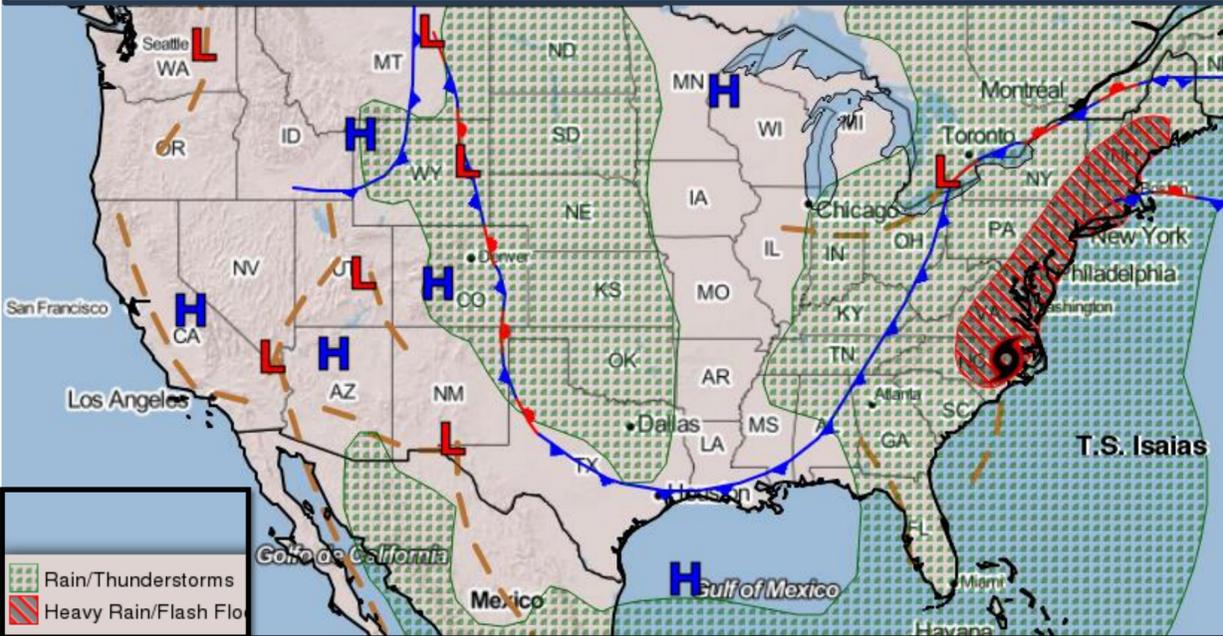
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Tuesday's Weather



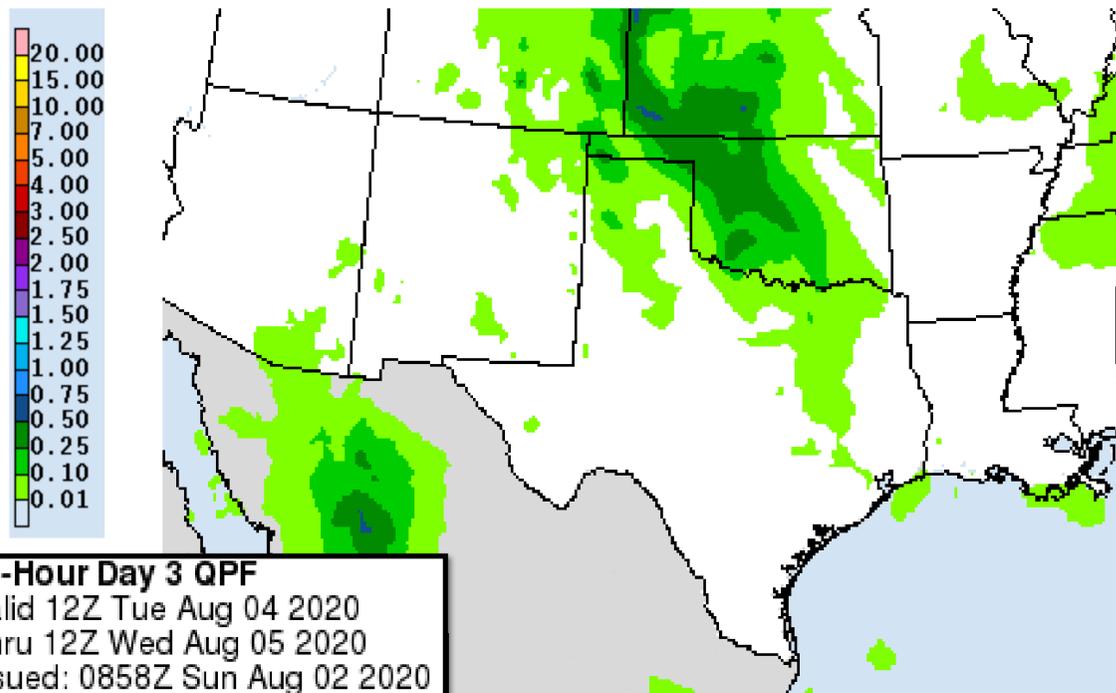
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Forecast Chart



Weather Valid 8am EDT Tue Aug 04 2020 to 8am EDT Wed Aug 05 2020
Fronts Valid 8am EDT Tue Aug 04 2020
Issued 4:53 AM EDT Sun, Aug 02, 2020
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Pereira with WPC/SPC/NHC forecasts.

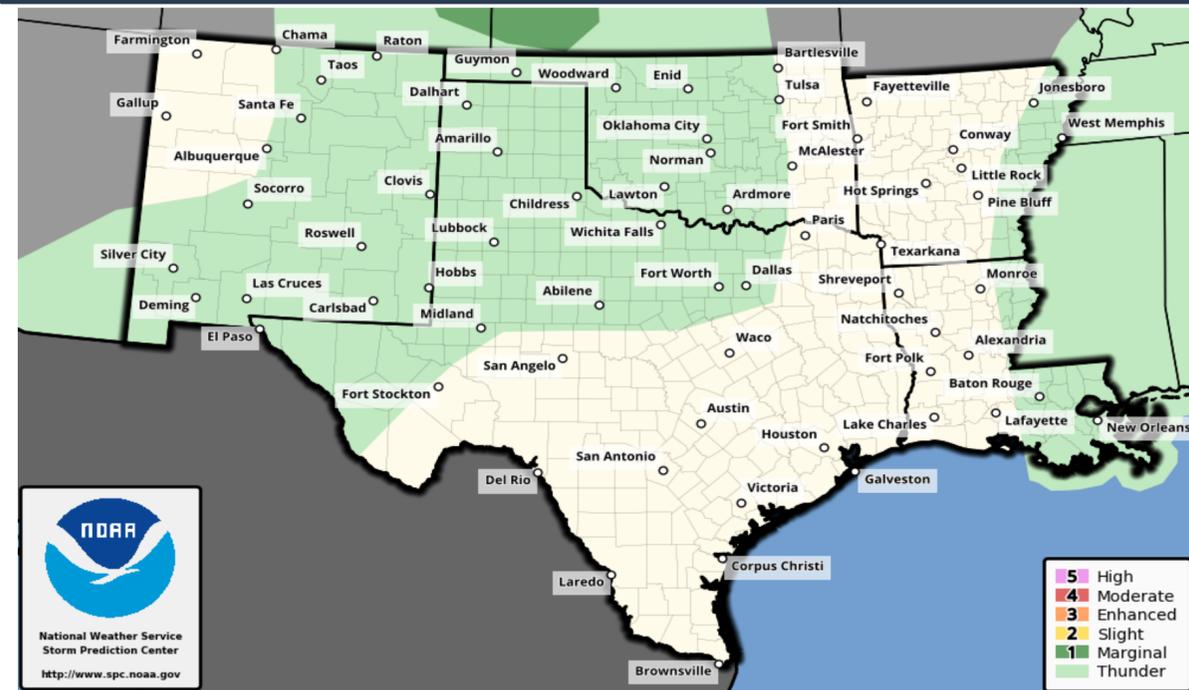
Forecast Rainfall



24-Hour Day 3 QPF
Valid 12Z Tue Aug 04 2020
Thru 12Z Wed Aug 05 2020
Issued: 0858Z Sun Aug 02 2020

No significant weather impacts expected.

Severe Weather Outlook

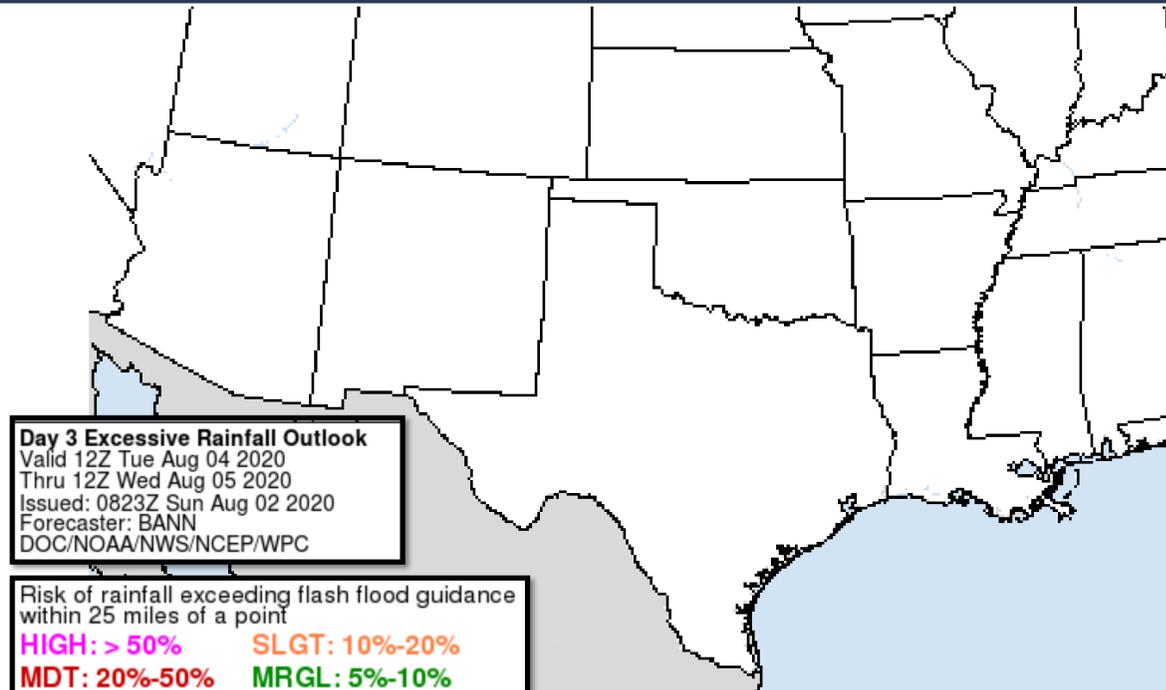


Day 3 Excessive Rainfall Outlook
Valid 12Z Tue Aug 04 2020
Thru 12Z Wed Aug 05 2020
Issued: 0823Z Sun Aug 02 2020
Forecaster: BANN
DOC/NOAA/NWS/NCEP/WPC

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

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

Excessive Rainfall Outlook



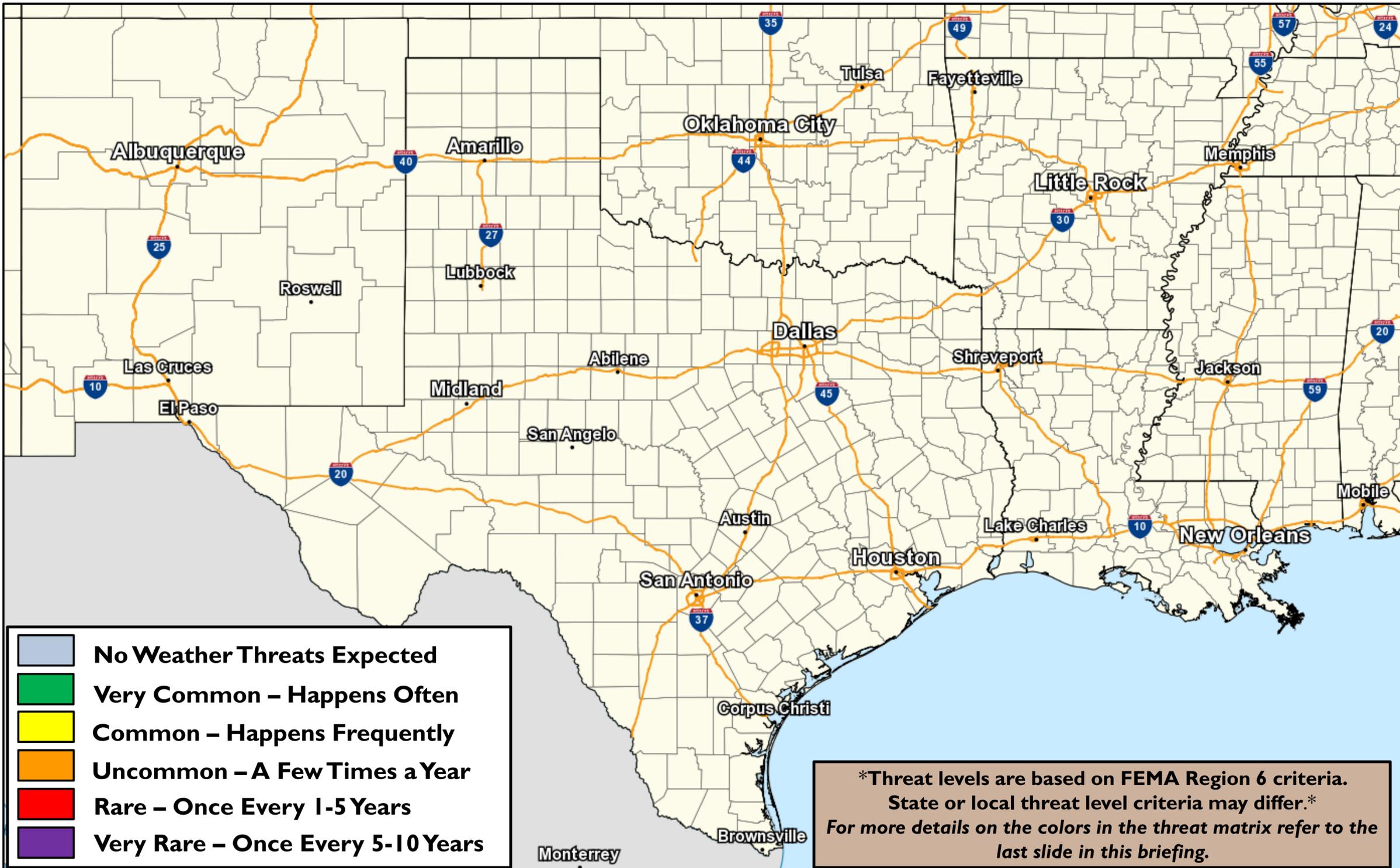
Days 4-5 Weather Hazards

Wednesday - Thursday



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No significant weather impacts expected.

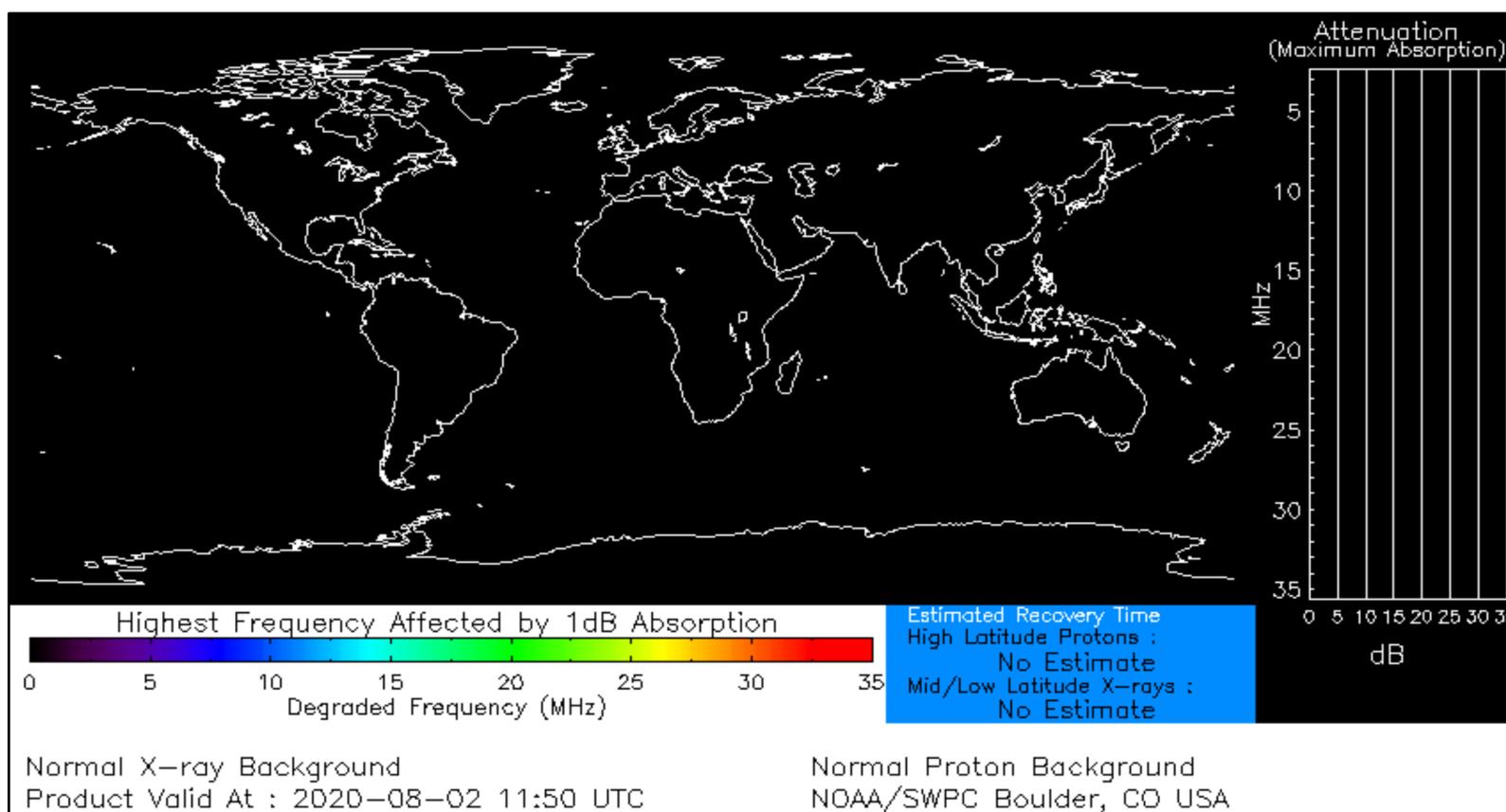


Space Weather 3-Day Forecast



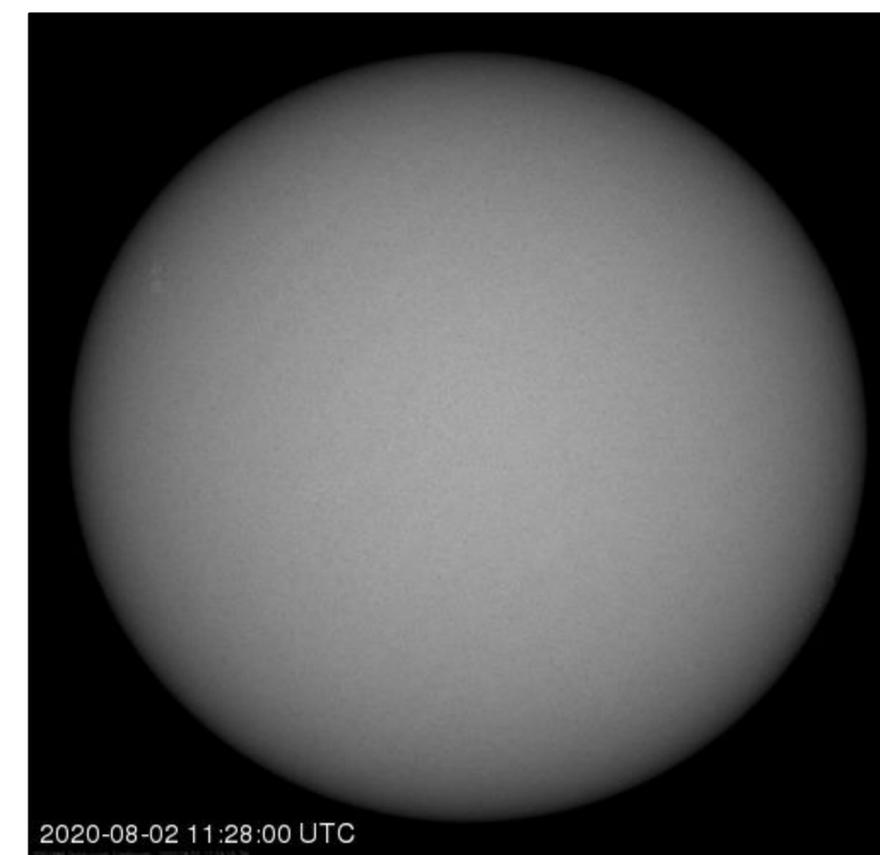
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	Sunday	Monday	Tuesday
Geomagnetic Storms	Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[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.