



FEMA



Prepared by
Kurt Van Speybroeck

FEMA Region 6 Weather Threat Briefing

Friday October 20, 2023

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



Summary of the Upcoming Week






- **Elevated fire weather conditions across TX and OK through Saturday.**
- **Heavy rain/flash flooding across NM, TX and OK Tuesday through midweek.**
- **Tropics:**
 - **TS Tammy is moving northwest east of the Windward Islands. No impacts to FEMA 6.**
 - **Another area near Central America has a low chance...near 20% for tropical development. No impacts to FEMA 6.**



FEMA Region 6 Threat Matrix

Oct 20, 2023 - Oct 24, 2023

DAY / THREAT	Fri	Sat	Sun	Mon	Tue
Severe Storms					
Heavy Rain / Flash Flooding					NM, TX OK
Fire Weather	TX	TX, SW OK	TX		
Tropical Winds / Surge					
Winter Weather					
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.



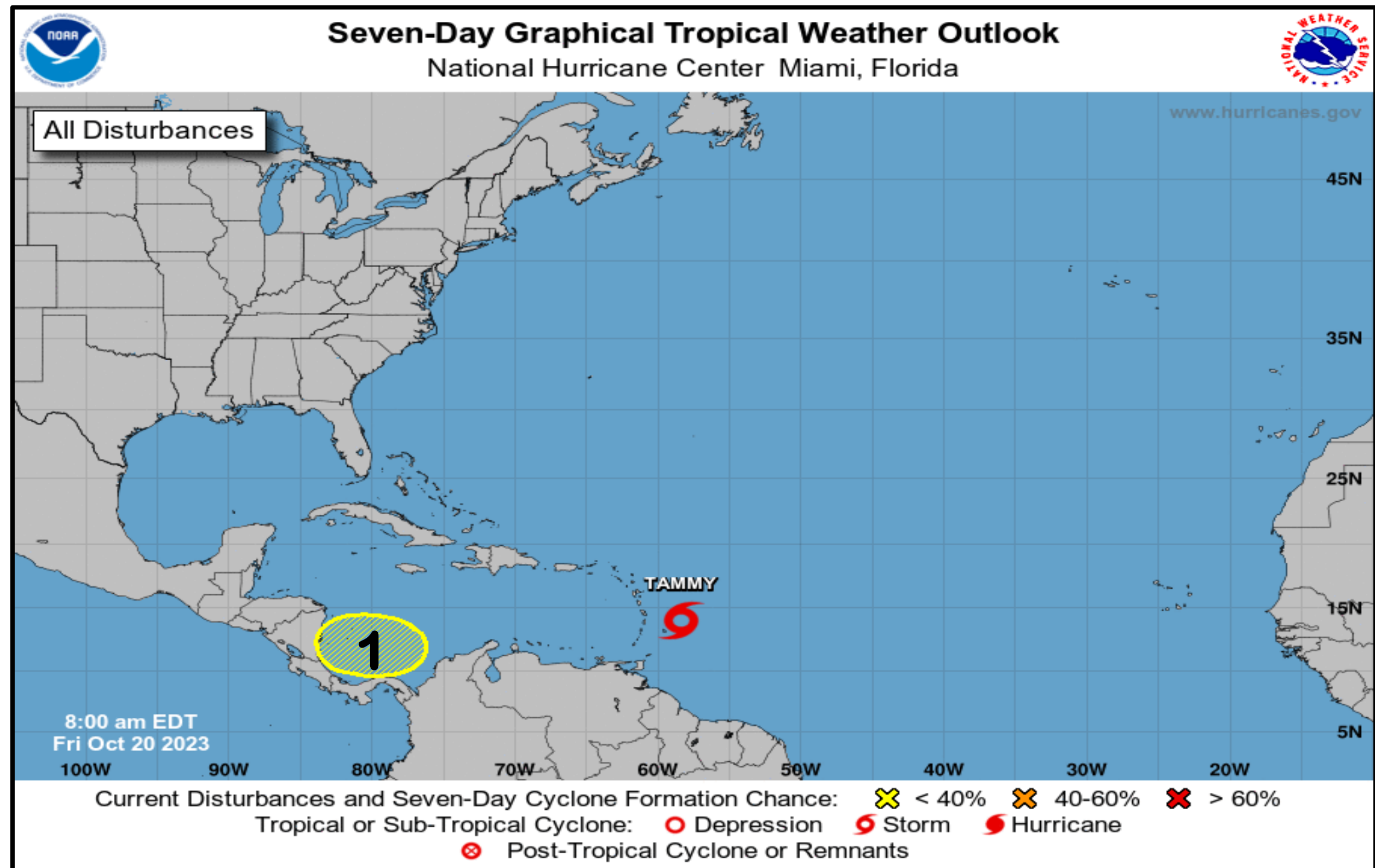
Tropical Weather Outlook – Atlantic/Gulf

Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
Tammy	None

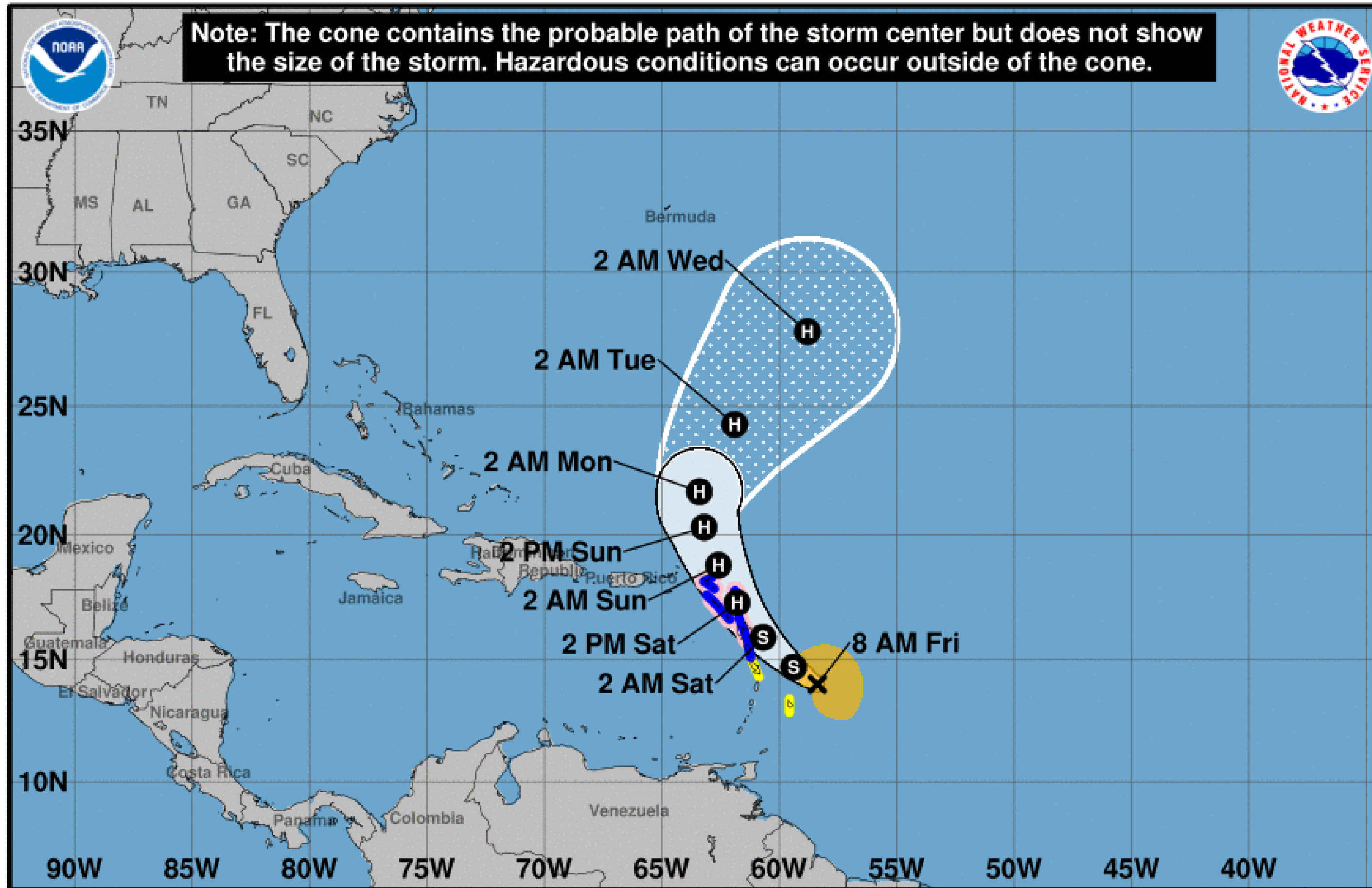


See <http://www.hurricanes.gov> for the latest on the tropics or any active storms



Tammy

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



Tammy will gradually strengthen as it moves northwest and curve northeast into the Atlantic.

No impacts to FEMA 6.

Tropical Storm Tammy

Friday October 20, 2023
8 AM AST Intermediate Advisory 8A
NWS National Hurricane Center

Current information: x

Center location 14.0 N 58.4 W
Maximum sustained wind 65 mph
Movement WNW at 7 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:

Watches:

Warnings:

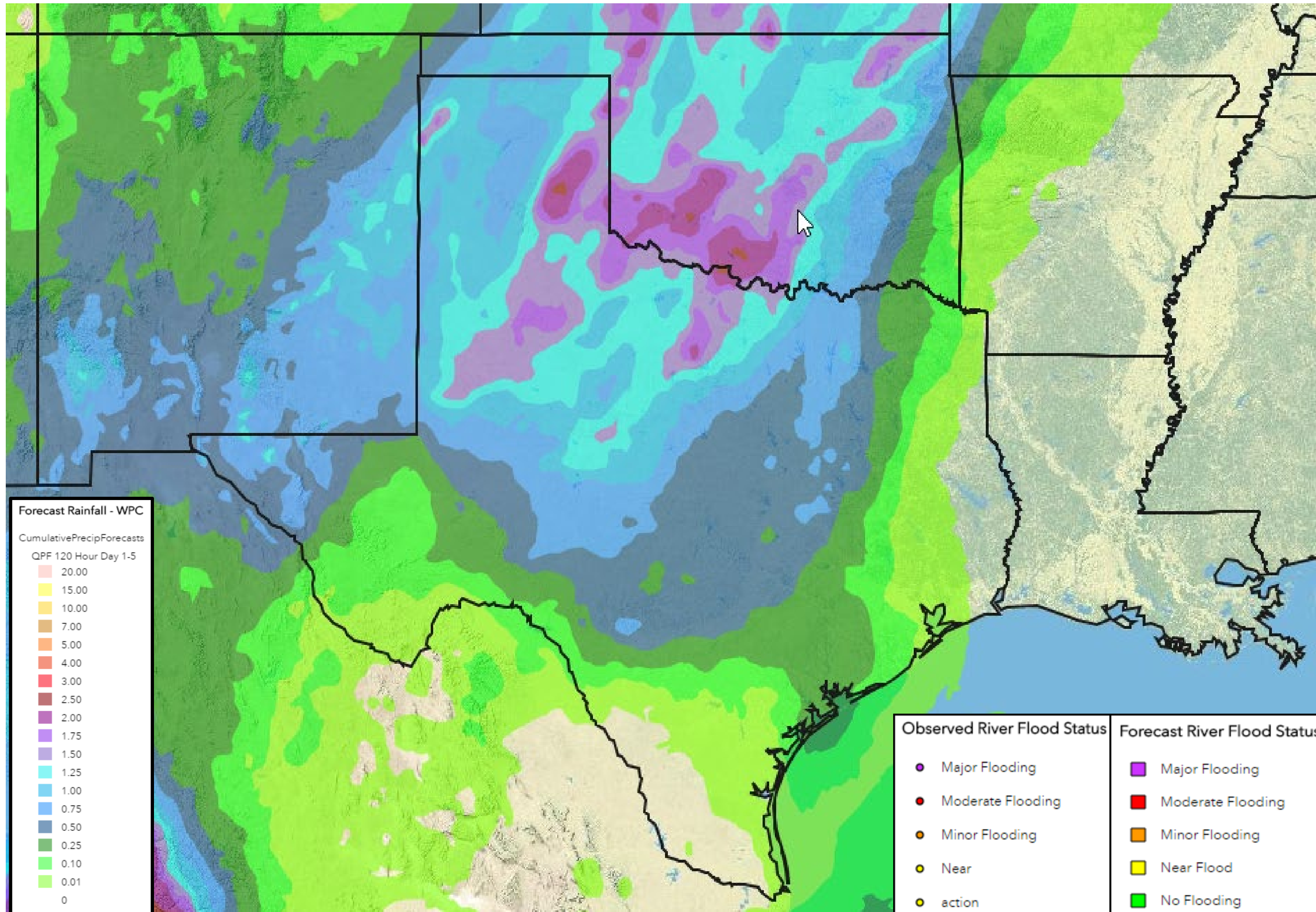
Current wind field estimate:

Day 1-3 Day 4-5 Hurricane Trop Stm Hurricane Trop Stm Hurricane Trop Stm



5-Day Precipitation Forecast & River Flood Status

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



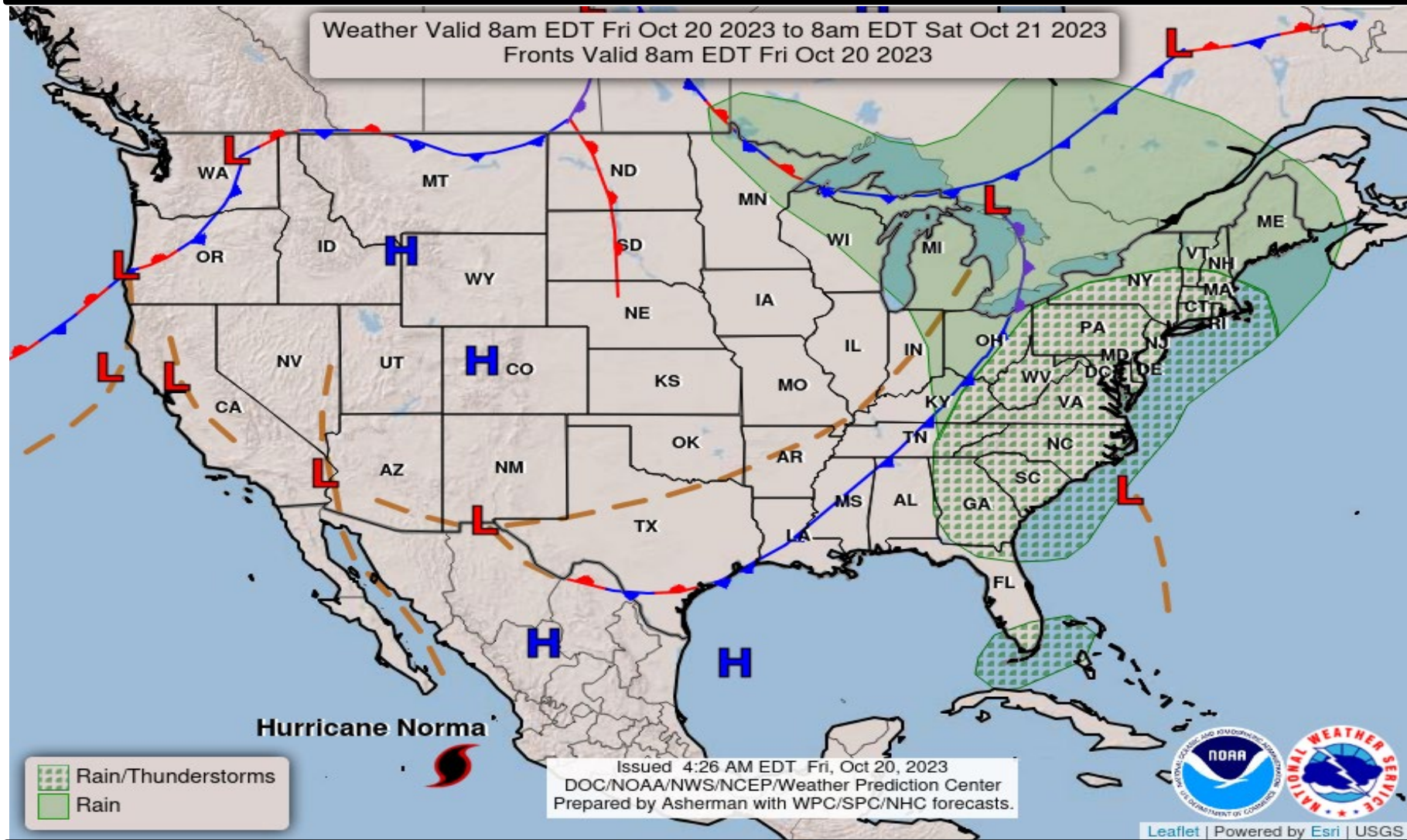
No significant river flooding is expected.

<http://water.weather.gov/ahps> for latest river flooding

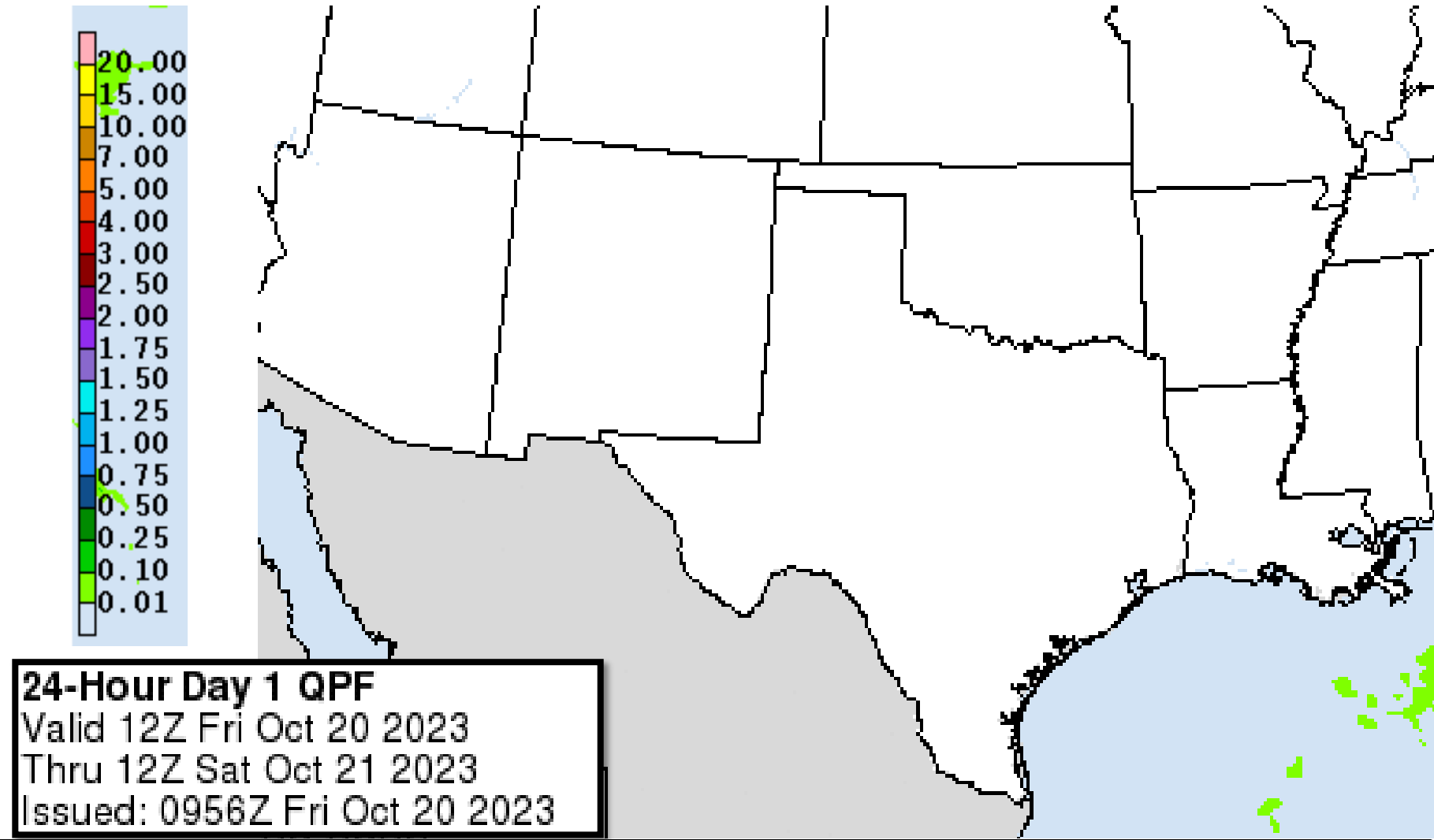


Today's Weather

Forecast Chart

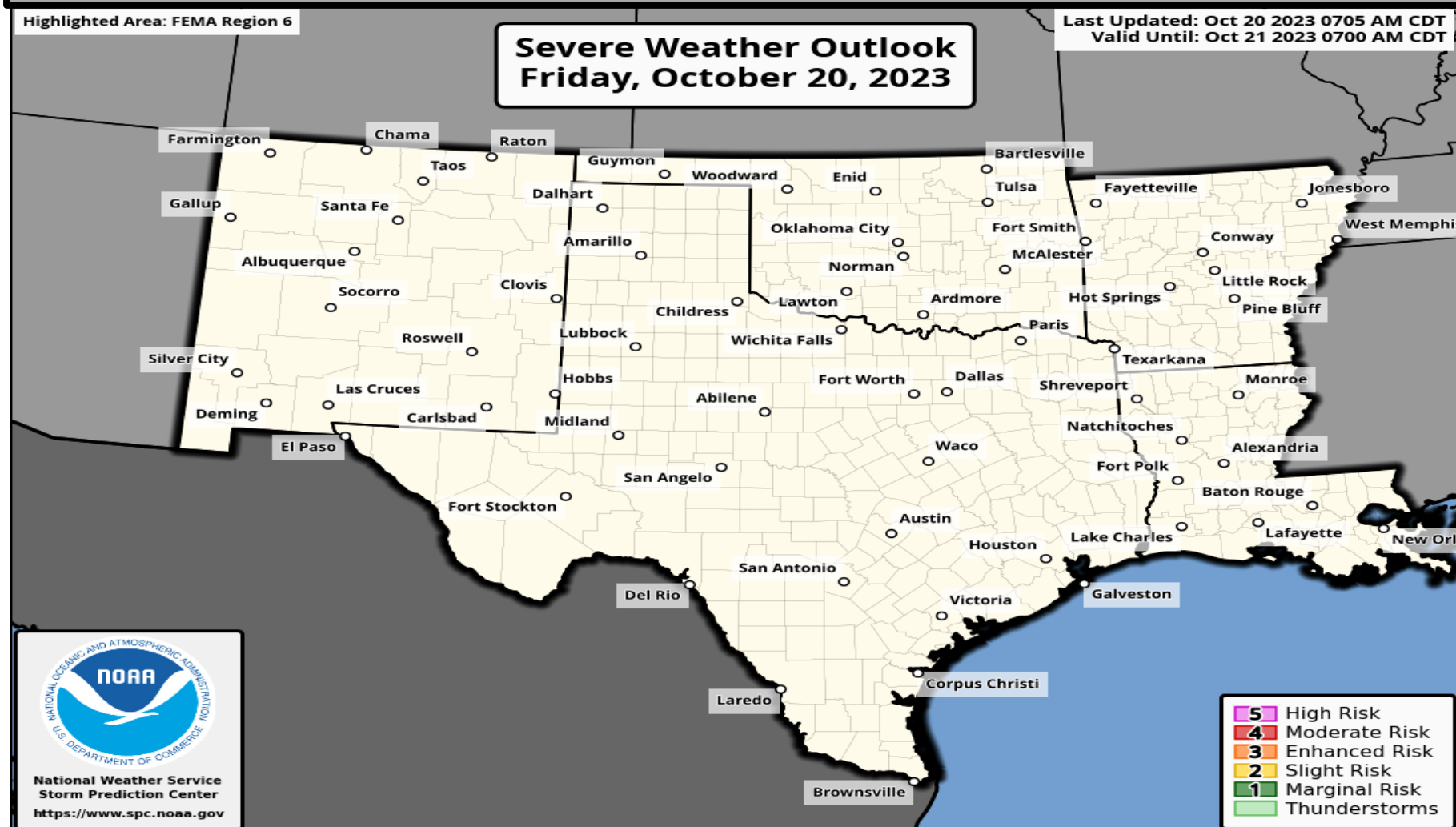


Forecast Rainfall

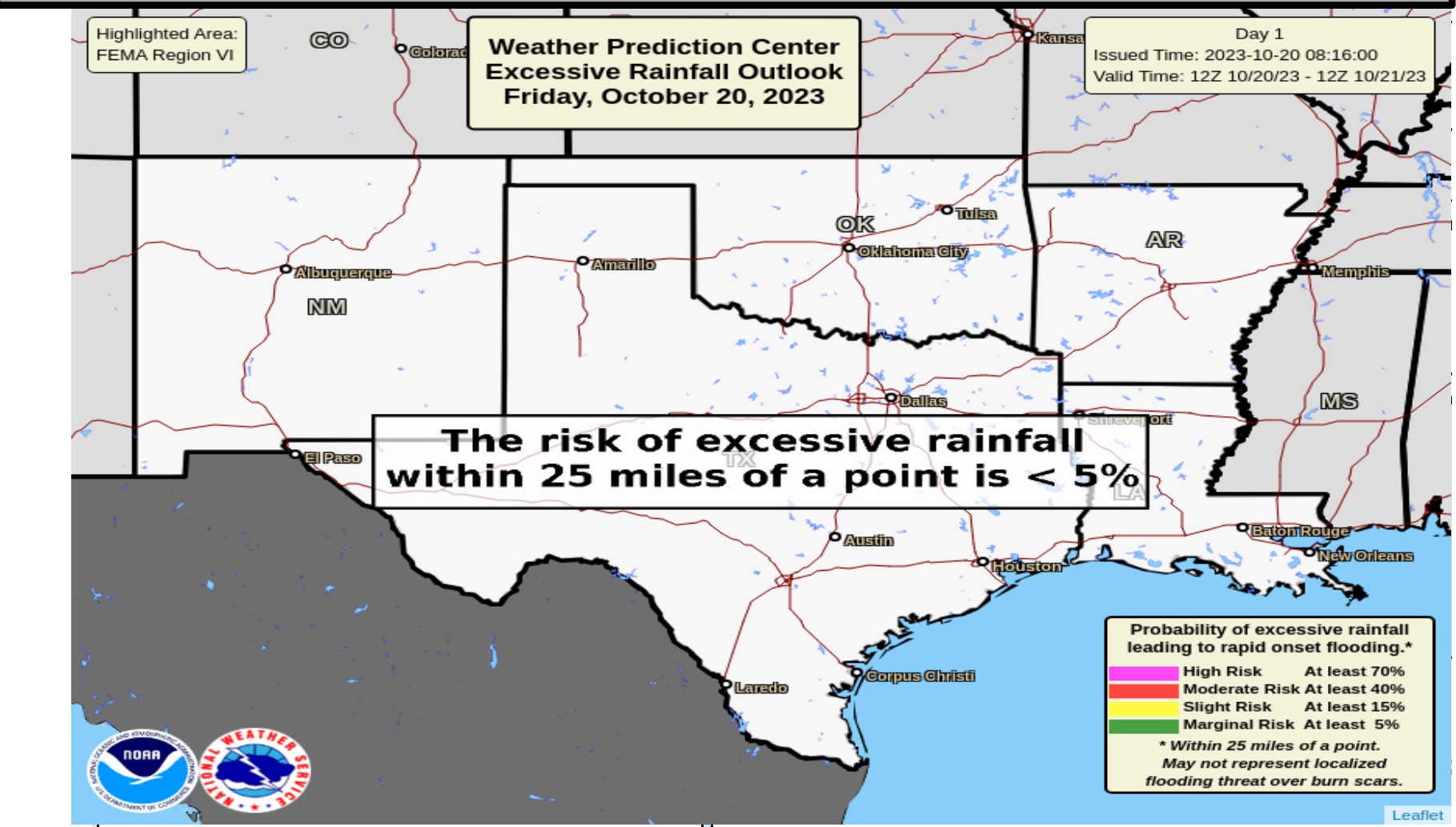


Elevated fire weather conditions across TX.

Severe Weather Outlook



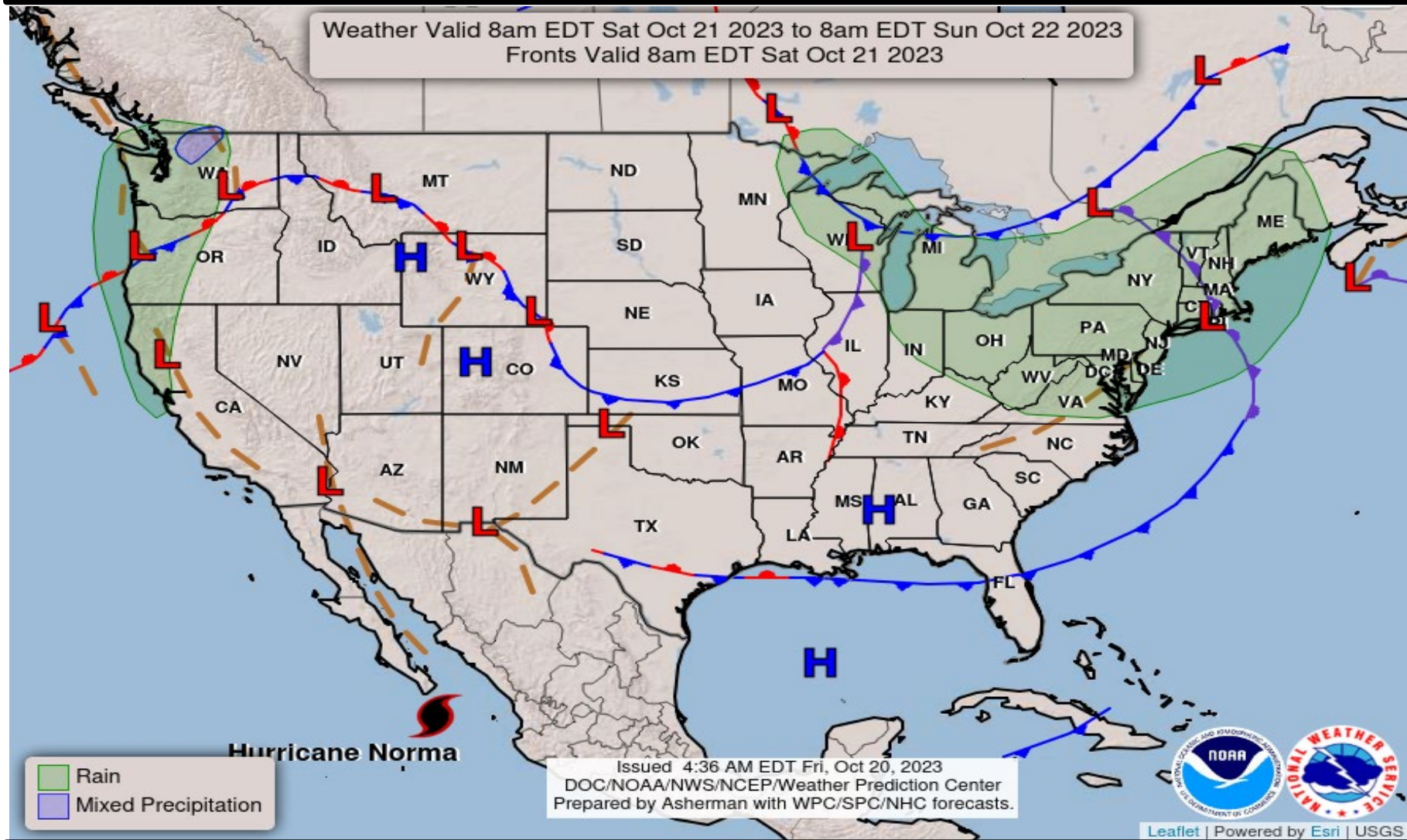
Excessive Rainfall Outlook



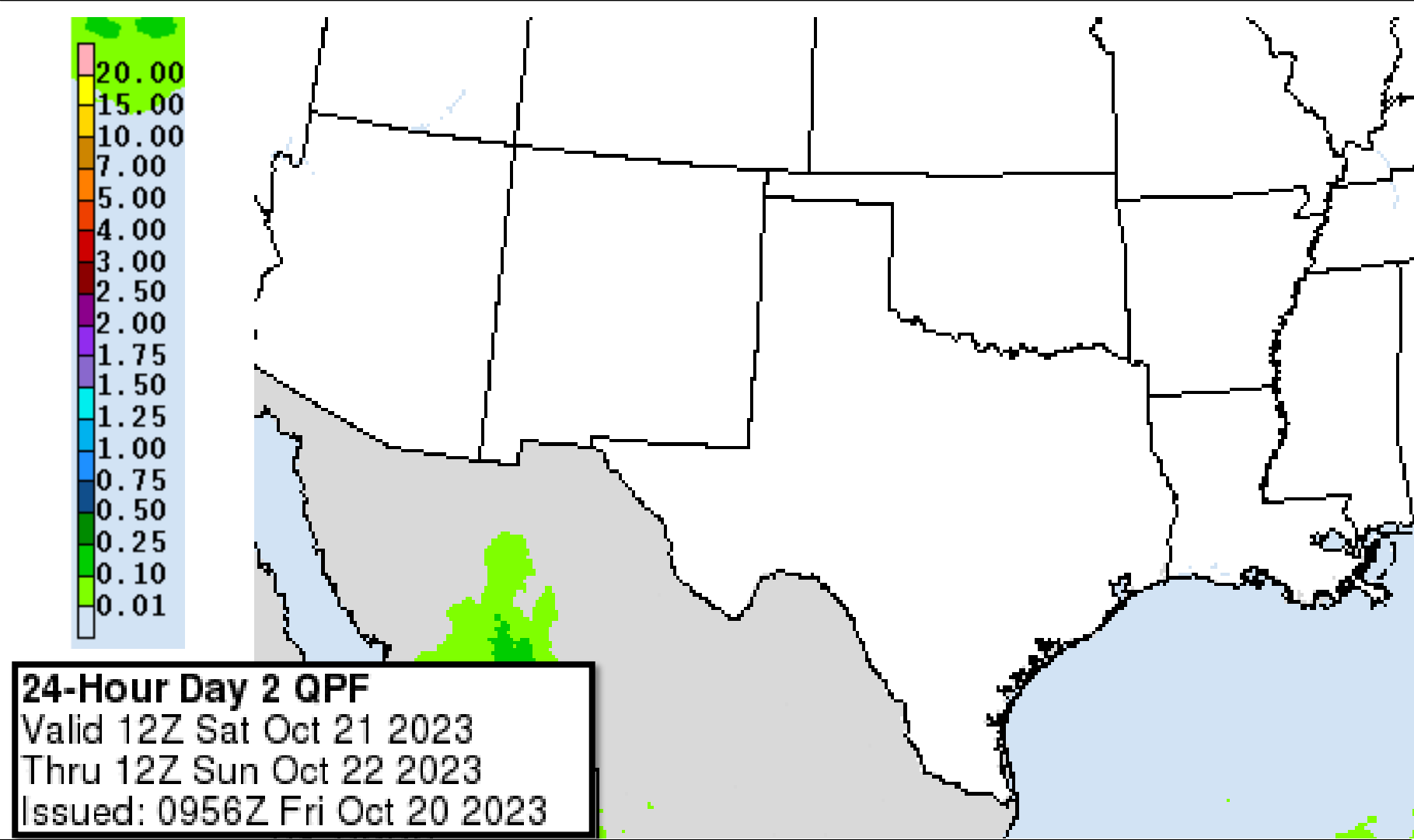


Tomorrow's Weather

Forecast Chart

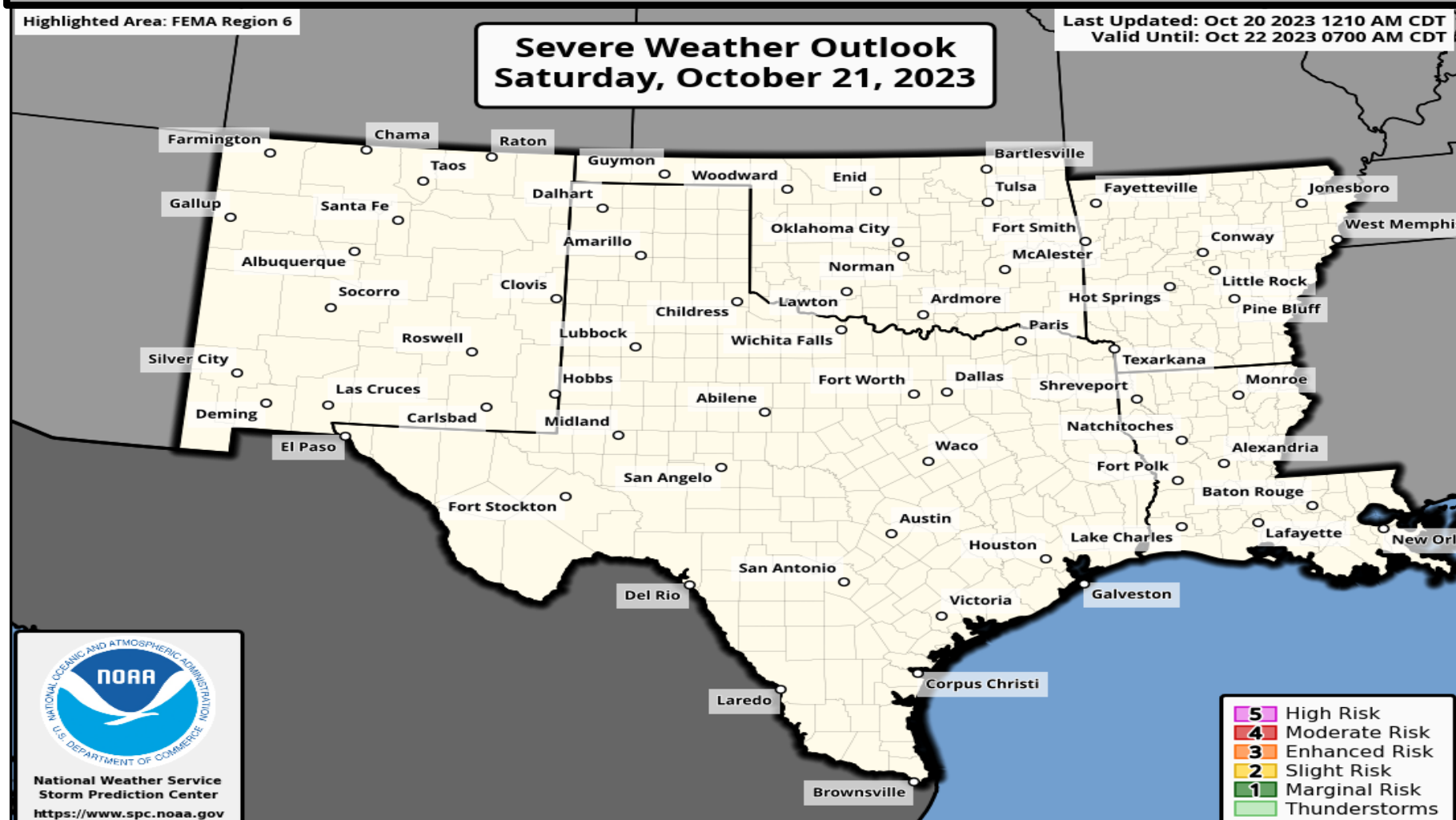


Forecast Rainfall

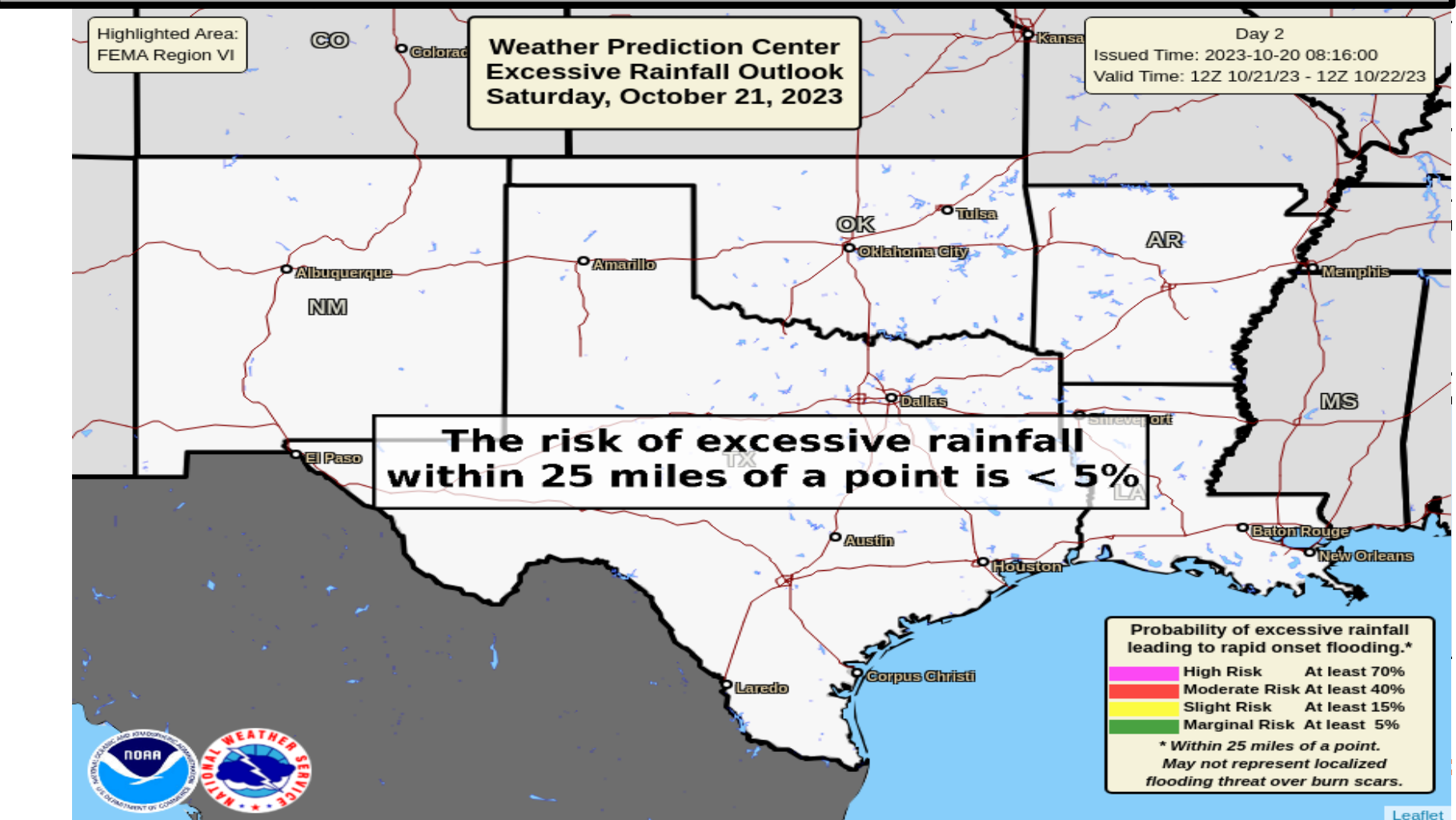


Elevated fire weather conditions across TX and SW OK.

Severe Weather Outlook



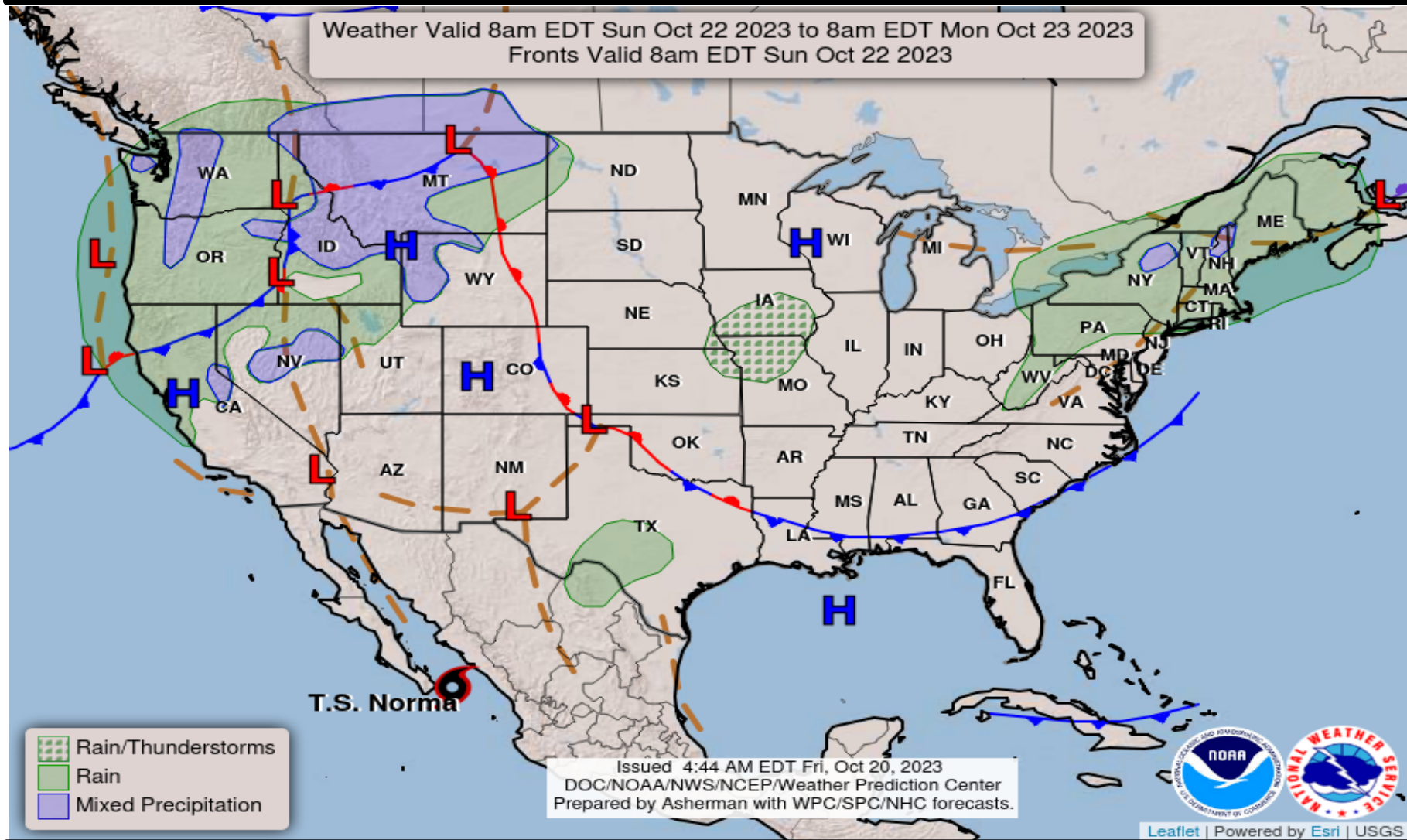
Excessive Rainfall Outlook



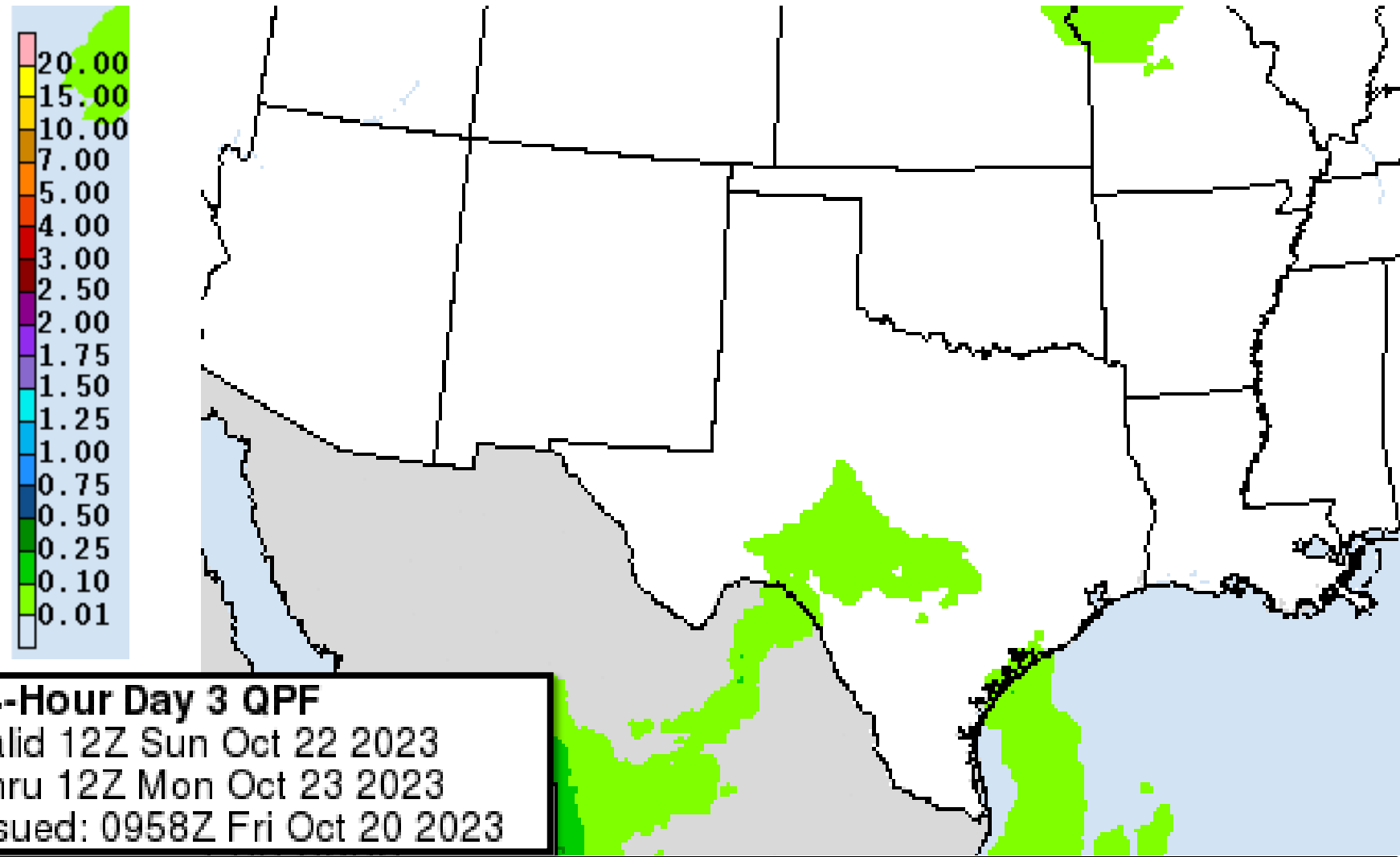


Sunday's Weather

Forecast Chart

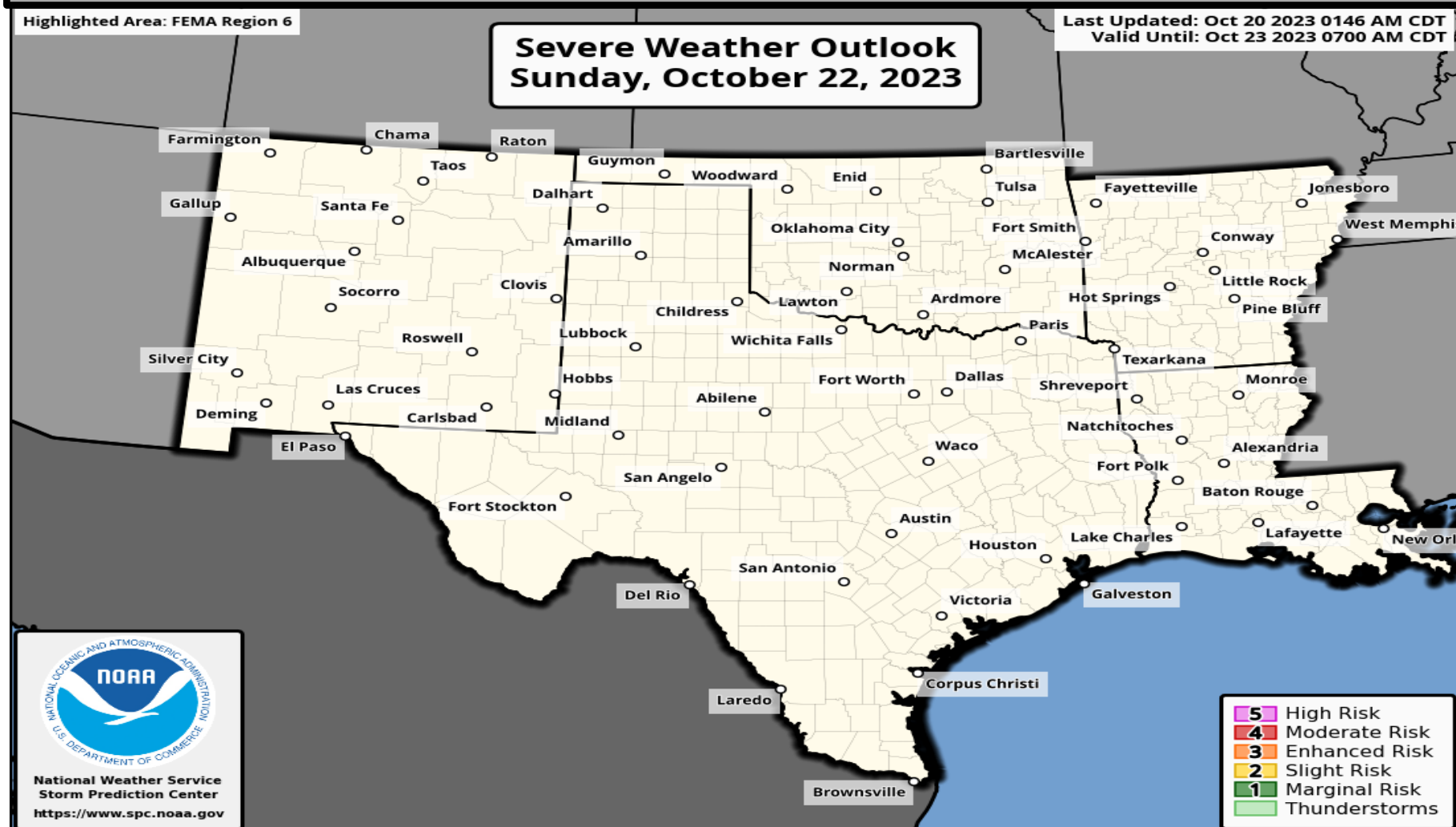


Forecast Rainfall

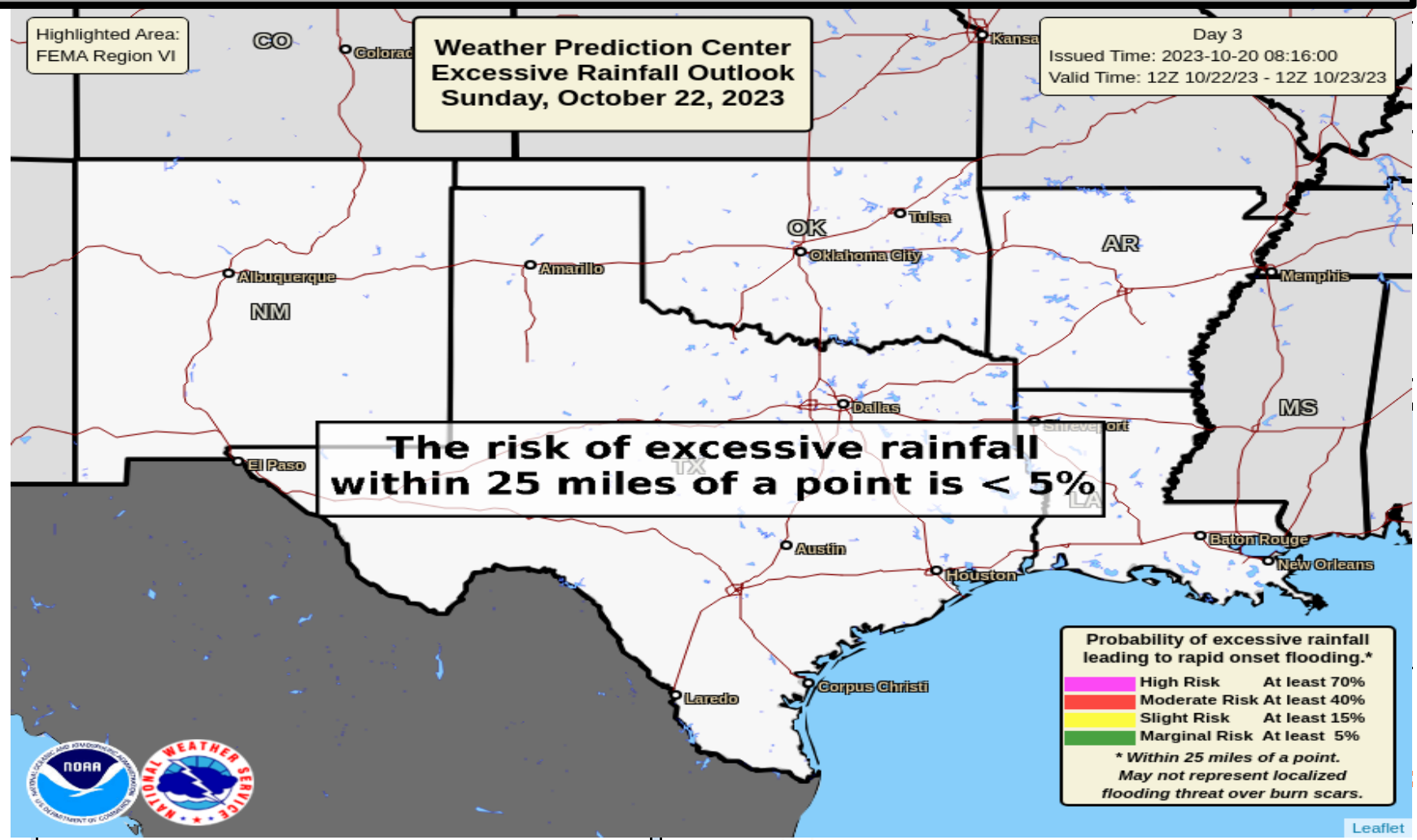


Elevated wildfire threat across TX.

Severe Weather Outlook



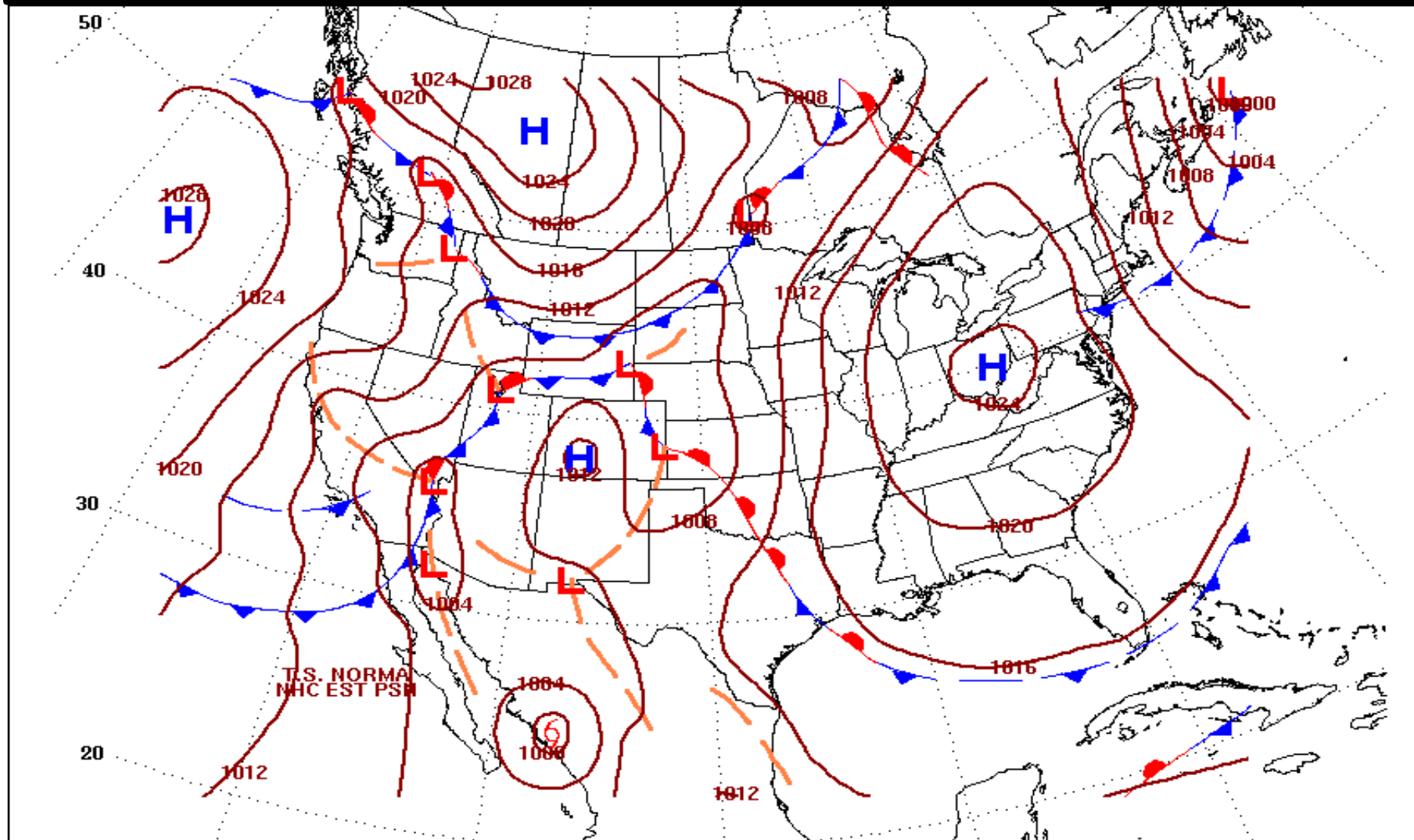
Excessive Rainfall Outlook



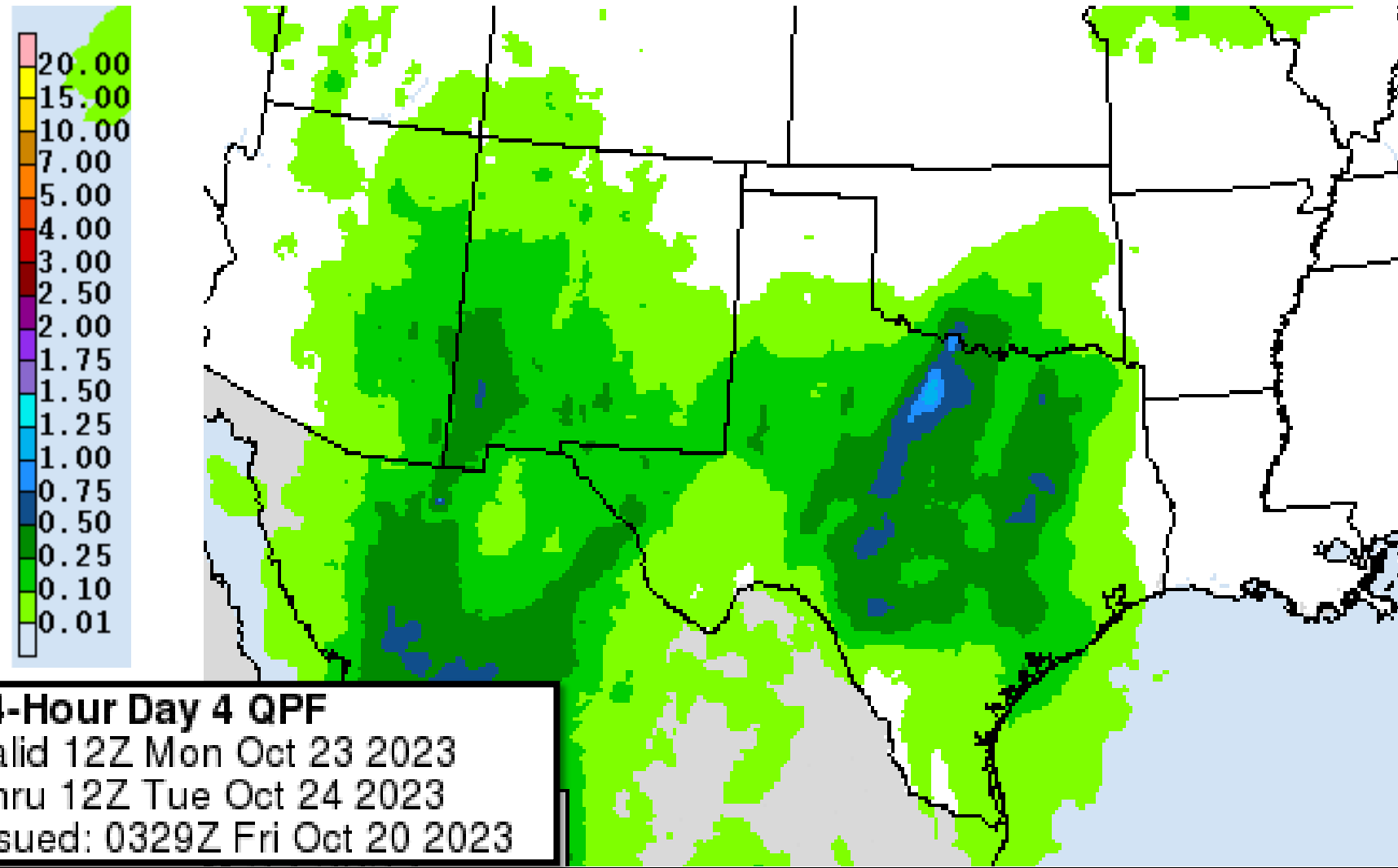


Monday's Weather

Forecast Chart



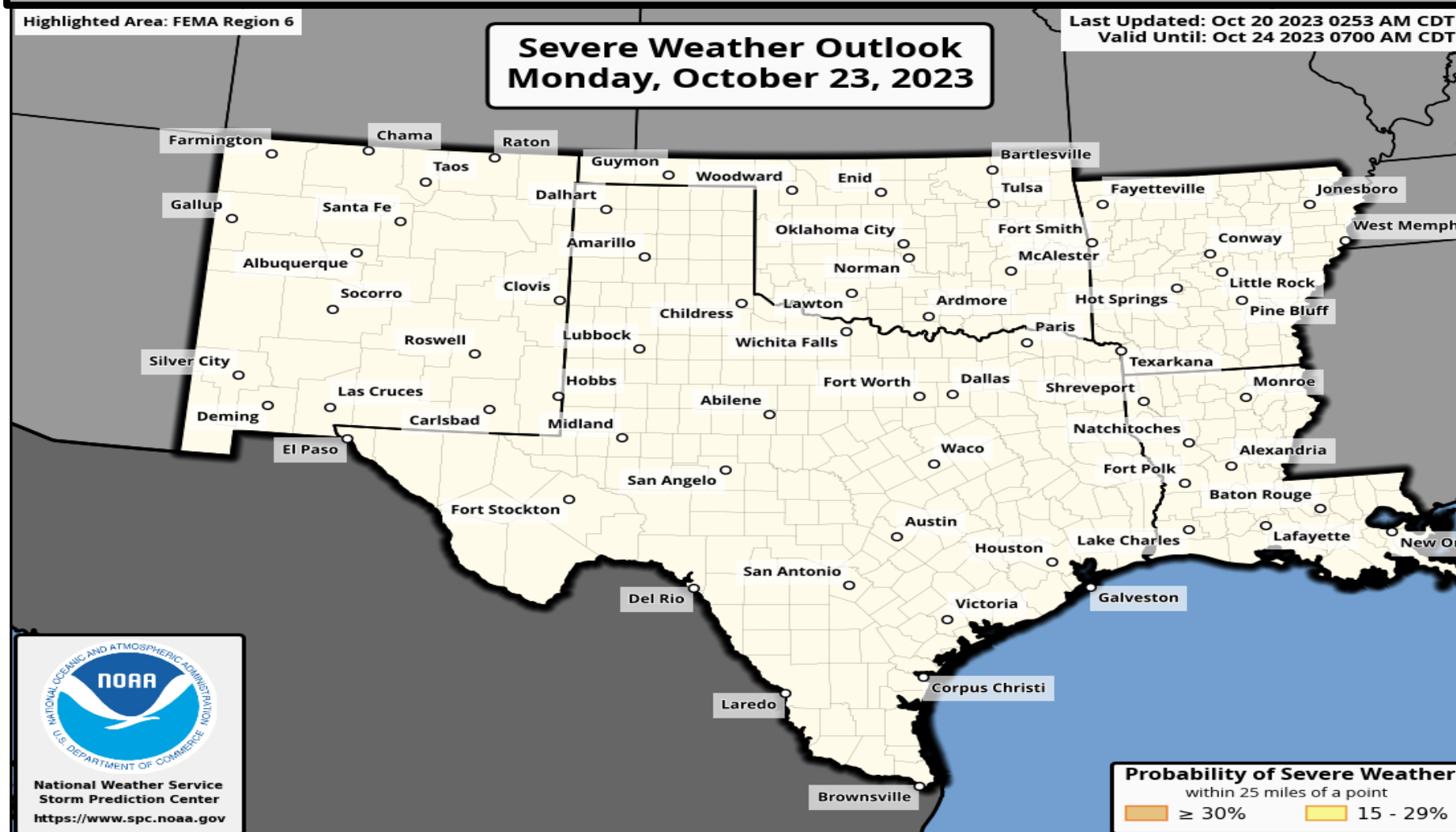
Forecast Rainfall



No significant weather expected.

24-Hour Day 4 QPF
Valid 12Z Mon Oct 23 2023
Thru 12Z Tue Oct 24 2023
Issued: 0329Z Fri Oct 20 2023

Severe Weather Outlook

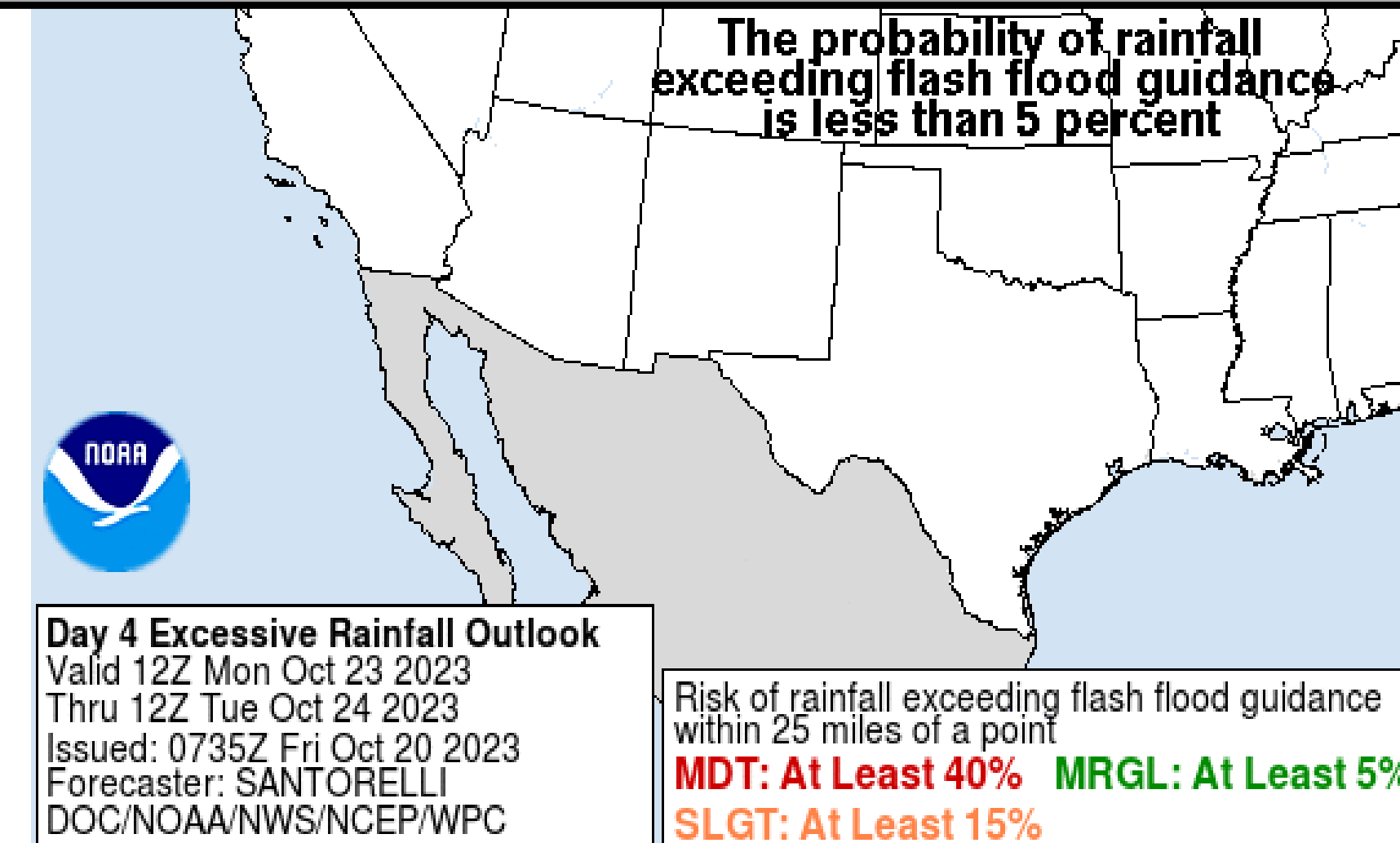


Severe Weather Outlook
Monday, October 23, 2023

Last Updated: Oct 20 2023 0253 AM CDT
Valid Until: Oct 24 2023 0700 AM CDT

Probability of Severe Weather
within 25 miles of a point
≥ 30% 15 - 29%

Excessive Rainfall Outlook



The probability of rainfall
exceeding flash flood guidance
is less than 5 percent

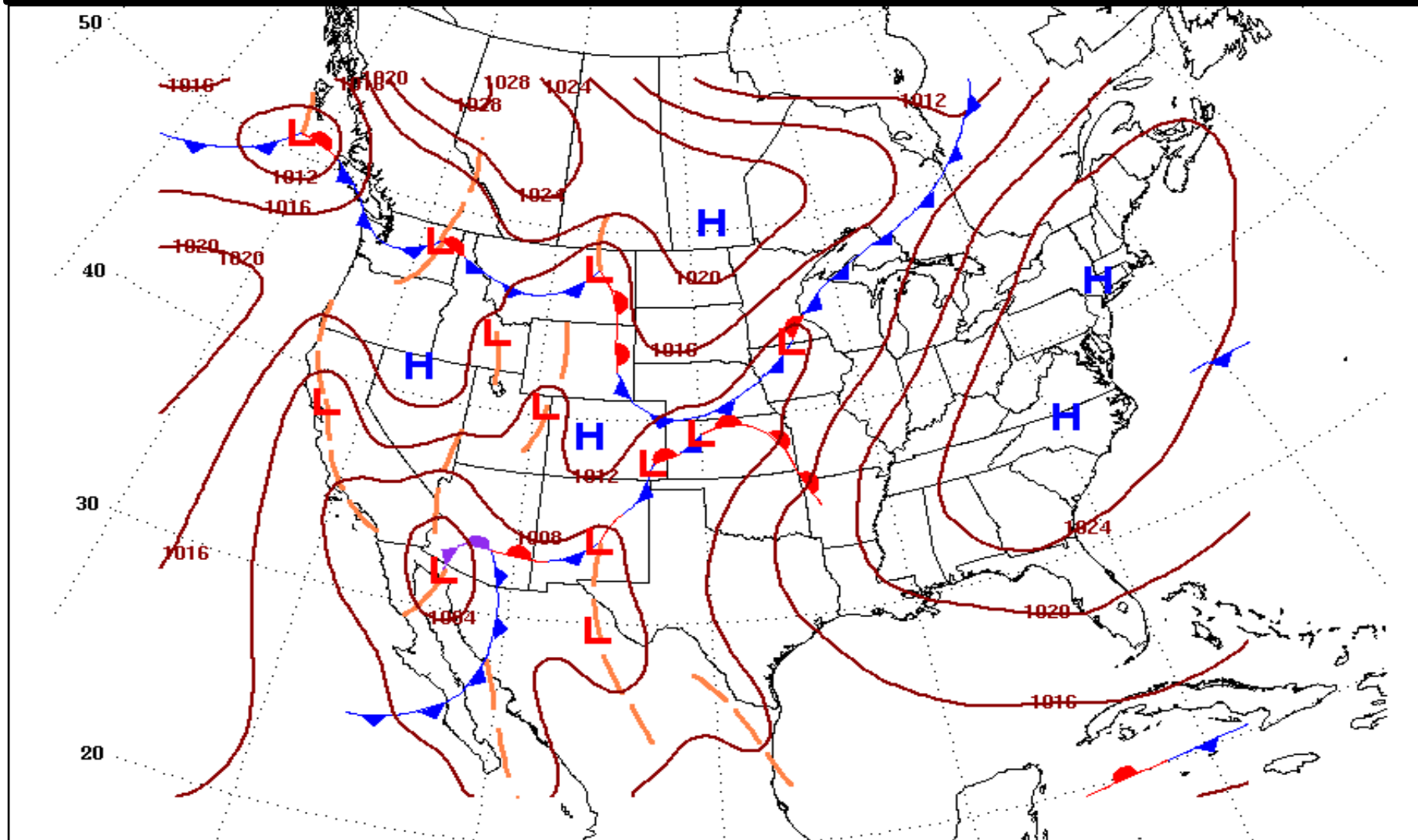
Day 4 Excessive Rainfall Outlook
Valid 12Z Mon Oct 23 2023
Thru 12Z Tue Oct 24 2023
Issued: 0735Z Fri Oct 20 2023
Forecaster: SANTORELLI
DOC/NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance
within 25 miles of a point
MDT: At Least 40% MRGL: At Least 5%
SLGT: At Least 15%

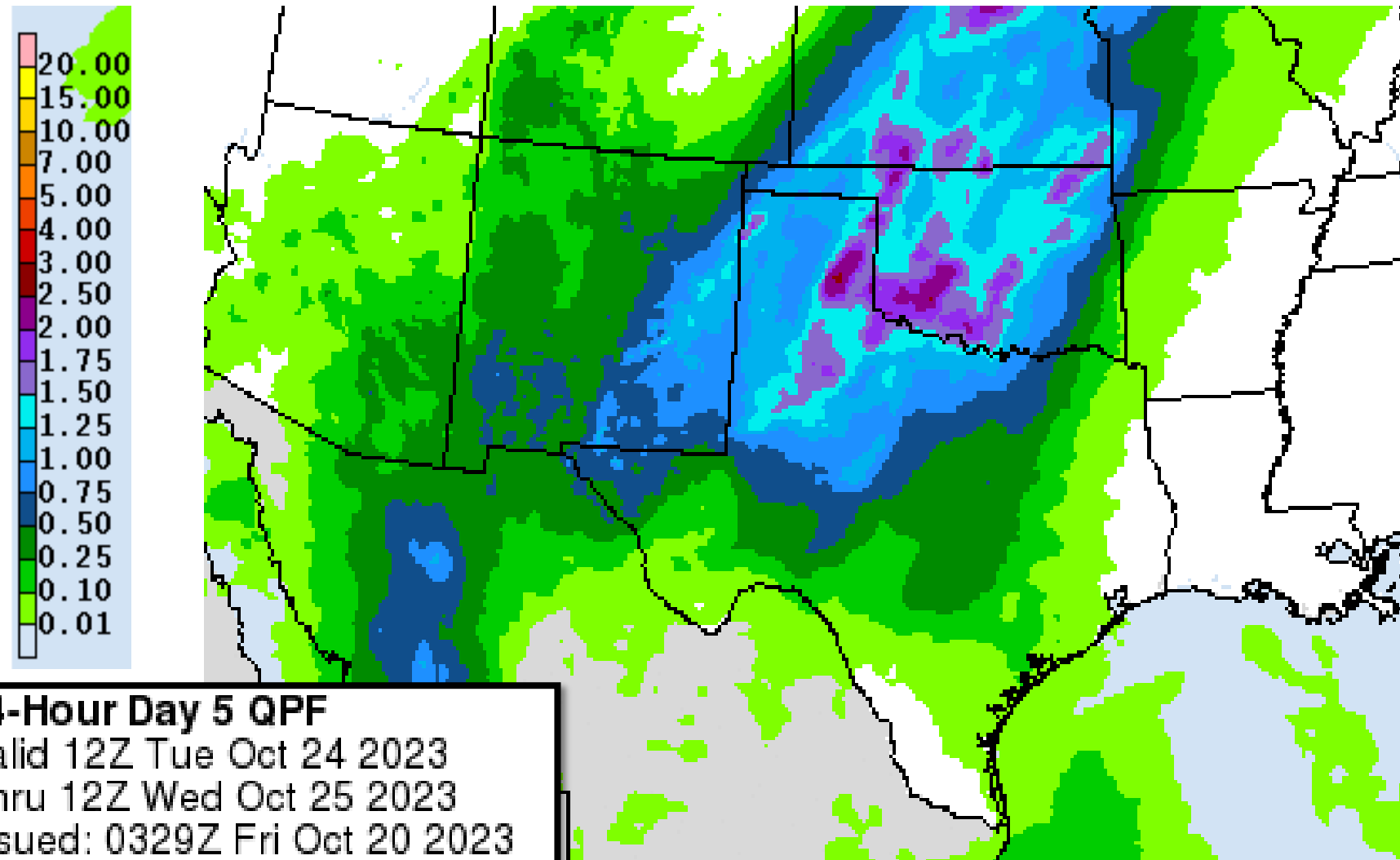


Tuesday's Weather

Forecast Chart



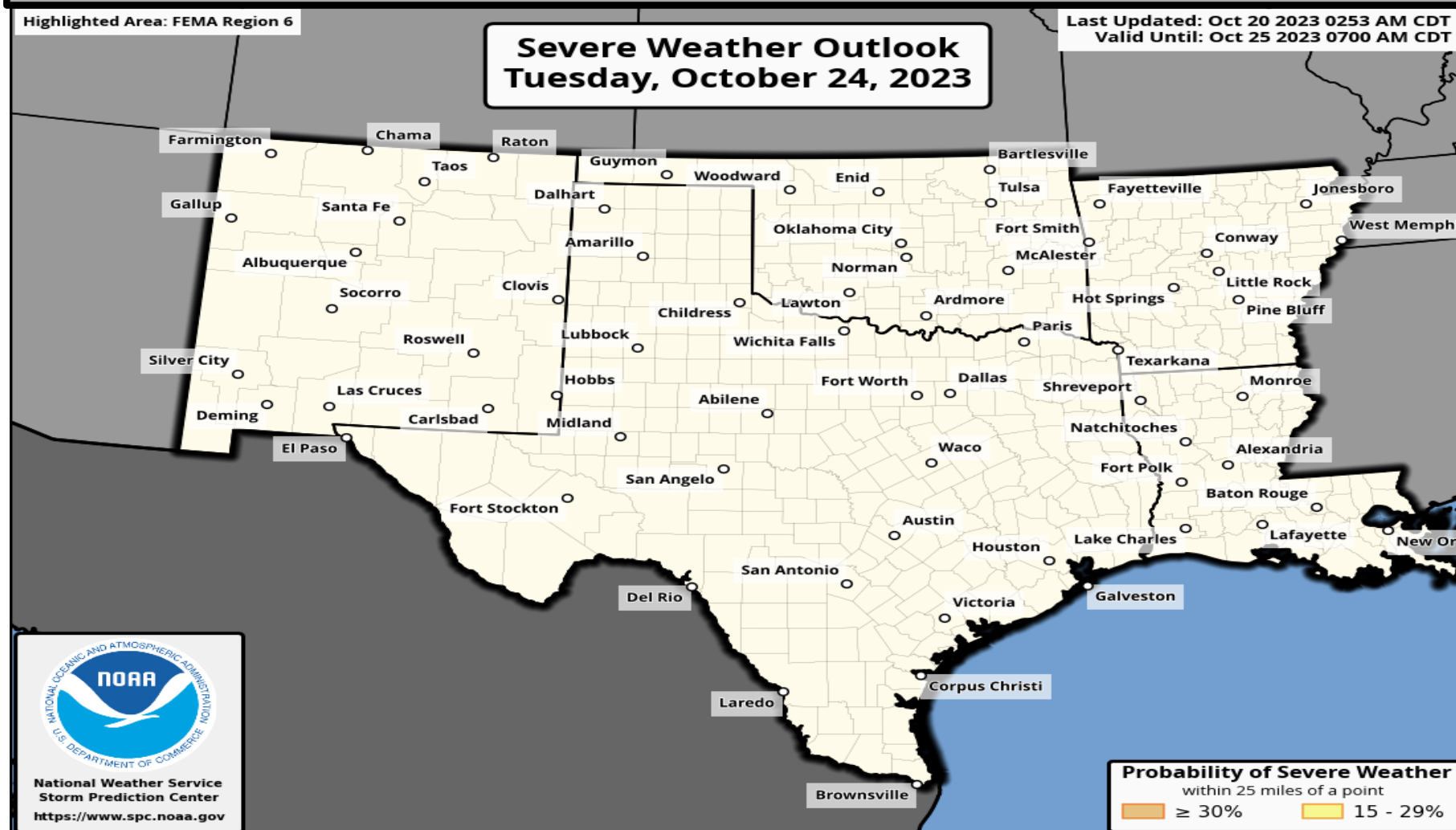
Forecast Rainfall



Heavy rain/flash flooding across NM, TX and OK.

24-Hour Day 5 QPF
Valid 12Z Tue Oct 24 2023
Thru 12Z Wed Oct 25 2023
Issued: 0329Z Fri Oct 20 2023

Severe Weather Outlook



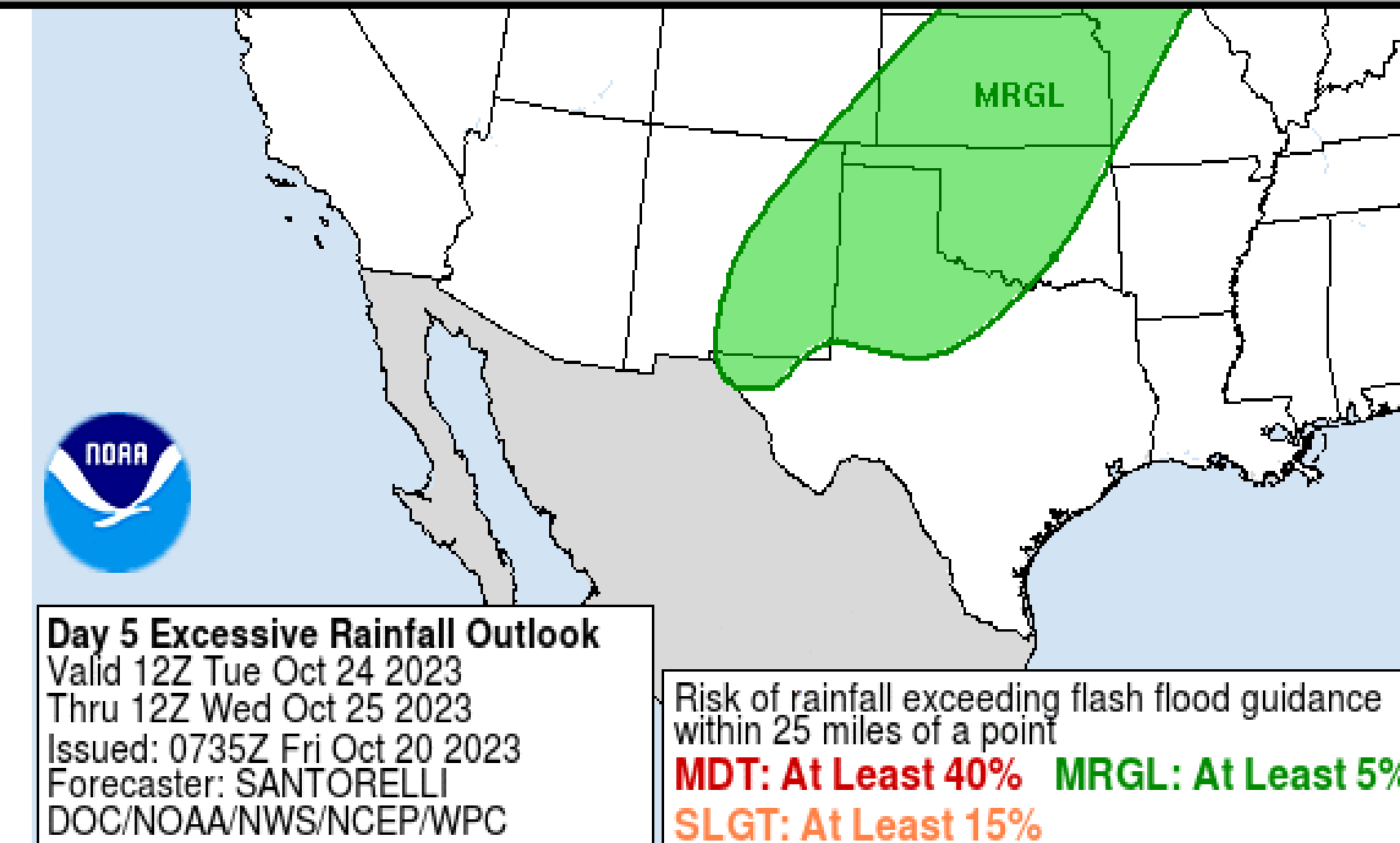
Severe Weather Outlook
Tuesday, October 24, 2023

Last Updated: Oct 20 2023 0253 AM CDT
Valid Until: Oct 25 2023 0700 AM CDT



Probability of Severe Weather
within 25 miles of a point
≥ 30% 15 - 29%

Excessive Rainfall Outlook



Day 5 Excessive Rainfall Outlook
Valid 12Z Tue Oct 24 2023
Thru 12Z Wed Oct 25 2023
Issued: 0735Z Fri Oct 20 2023
Forecaster: SANTORELLI
DOC/NOAA/NWS/NCEP/WPC

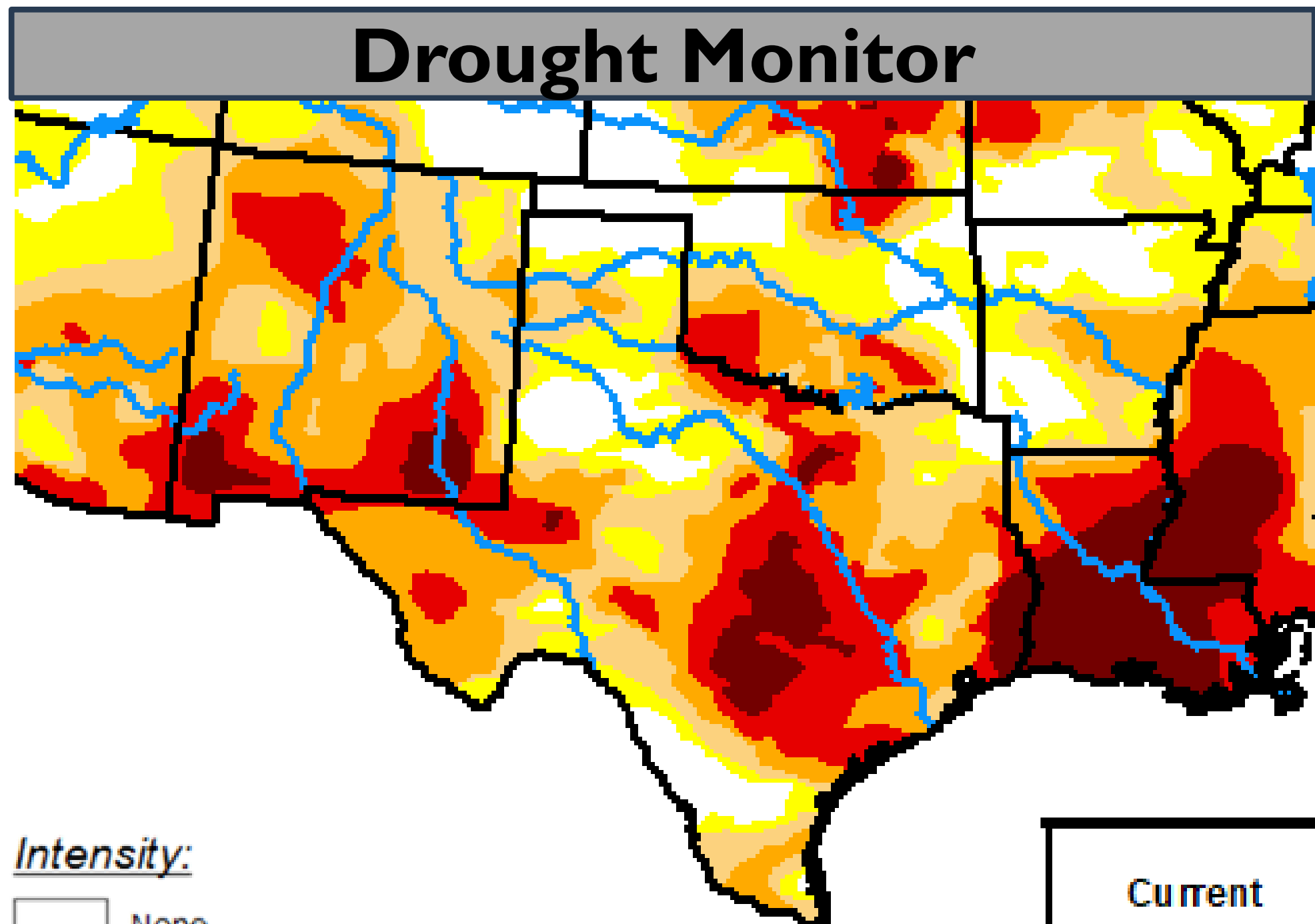
Risk of rainfall exceeding flash flood guidance within 25 miles of a point
MDT: At Least 40% **MRGL: At Least 5%**
SLGT: At Least 15%





Drought Monitor (Released Oct 19, 2023)

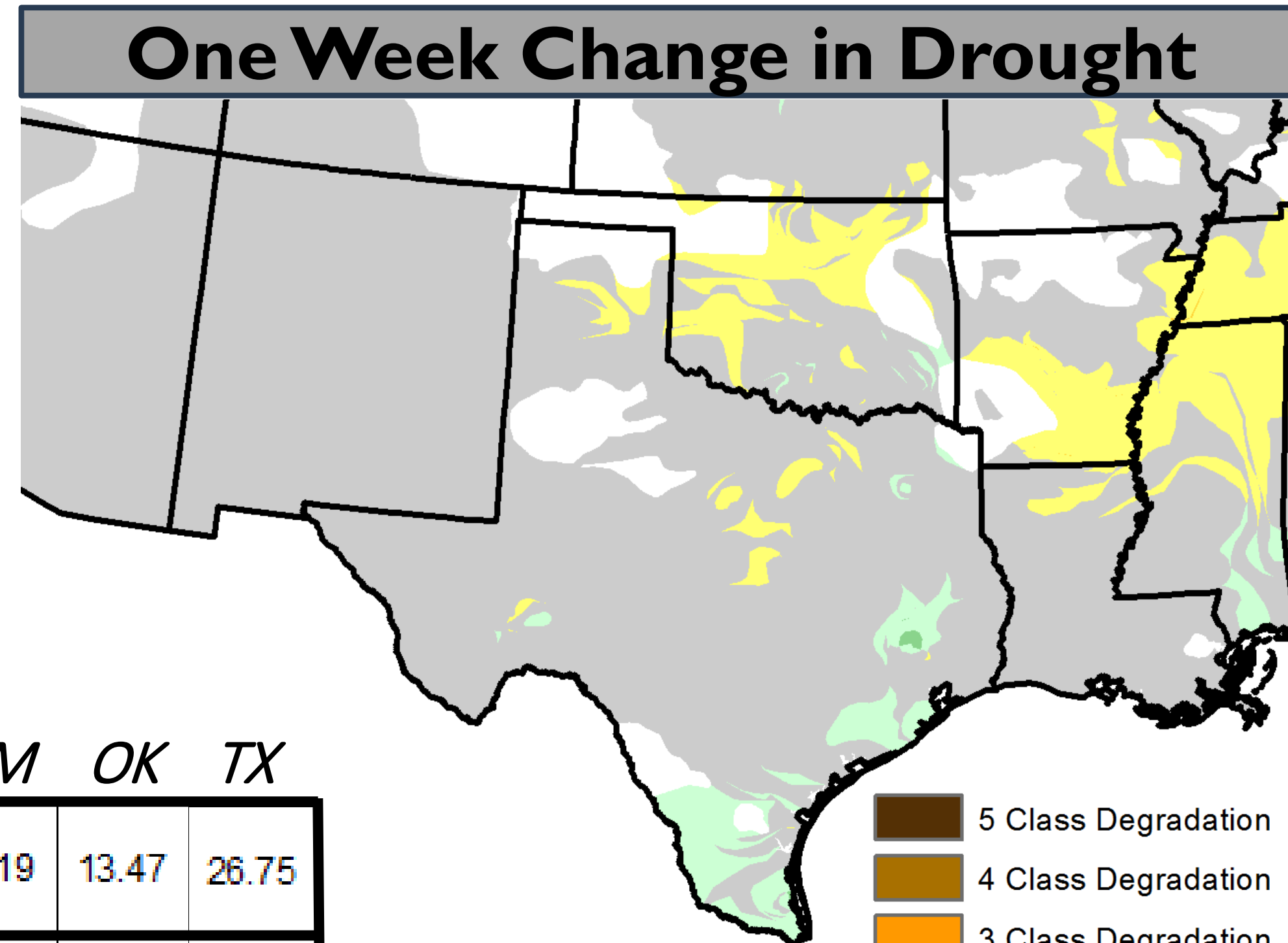
Data valid as of 8 am ET on Tuesday, October 17, 2023



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

	AR	LA	NM	OK	TX
Current	0.01	86.48	33.19	13.47	26.75
Last Week <i>10-10-2023</i>	0.00	83.22	33.19	8.48	28.28
3 Months Ago <i>07-18-2023</i>	0.00	0.00	0.00	3.23	4.49
One Year Ago <i>10-18-2022</i>	23.52	0.00	7.01	82.26	12.80

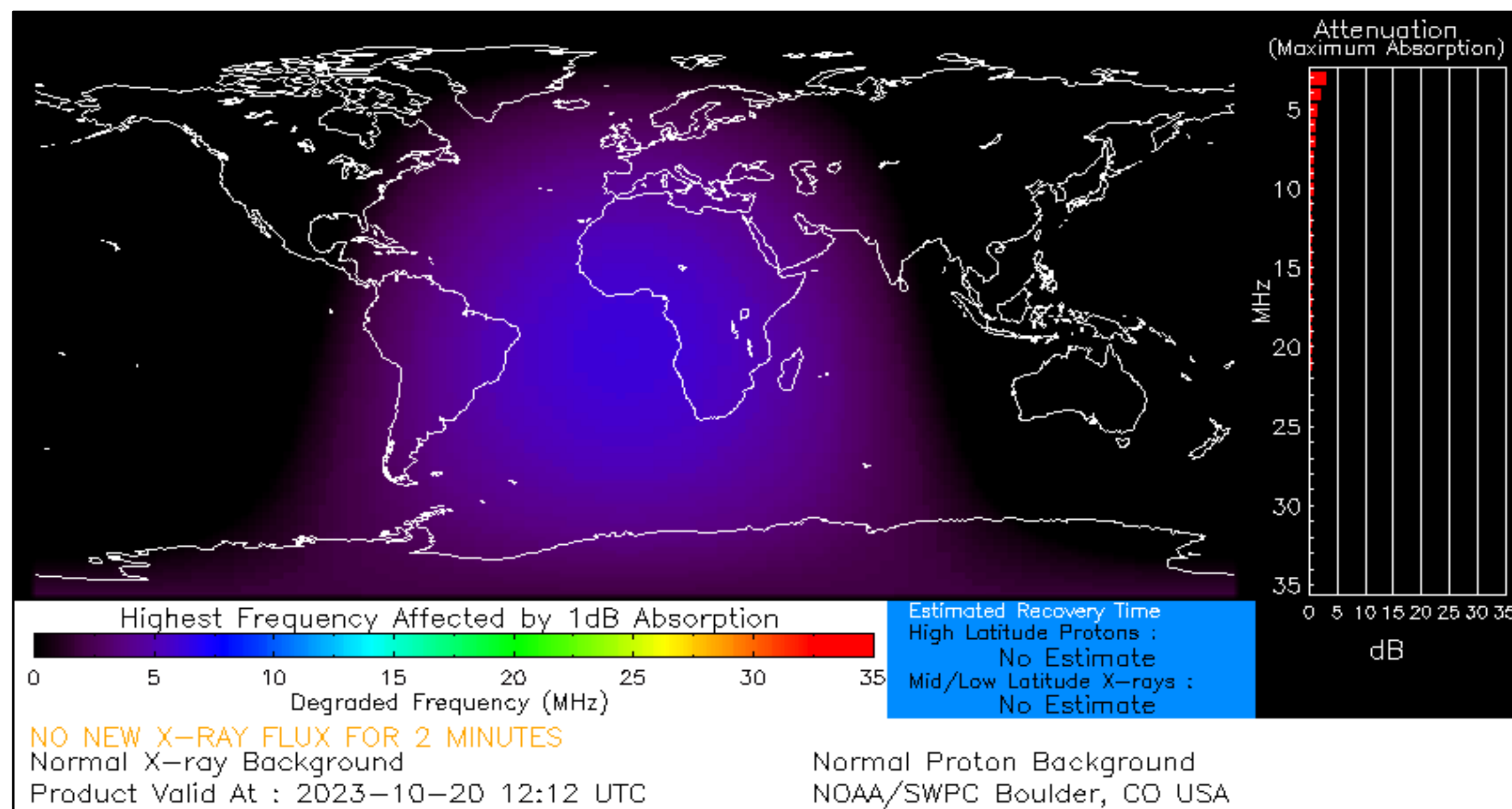
Drought Conditions (Percent Area)

D3-D4 (Extreme to Exceptional Drought)



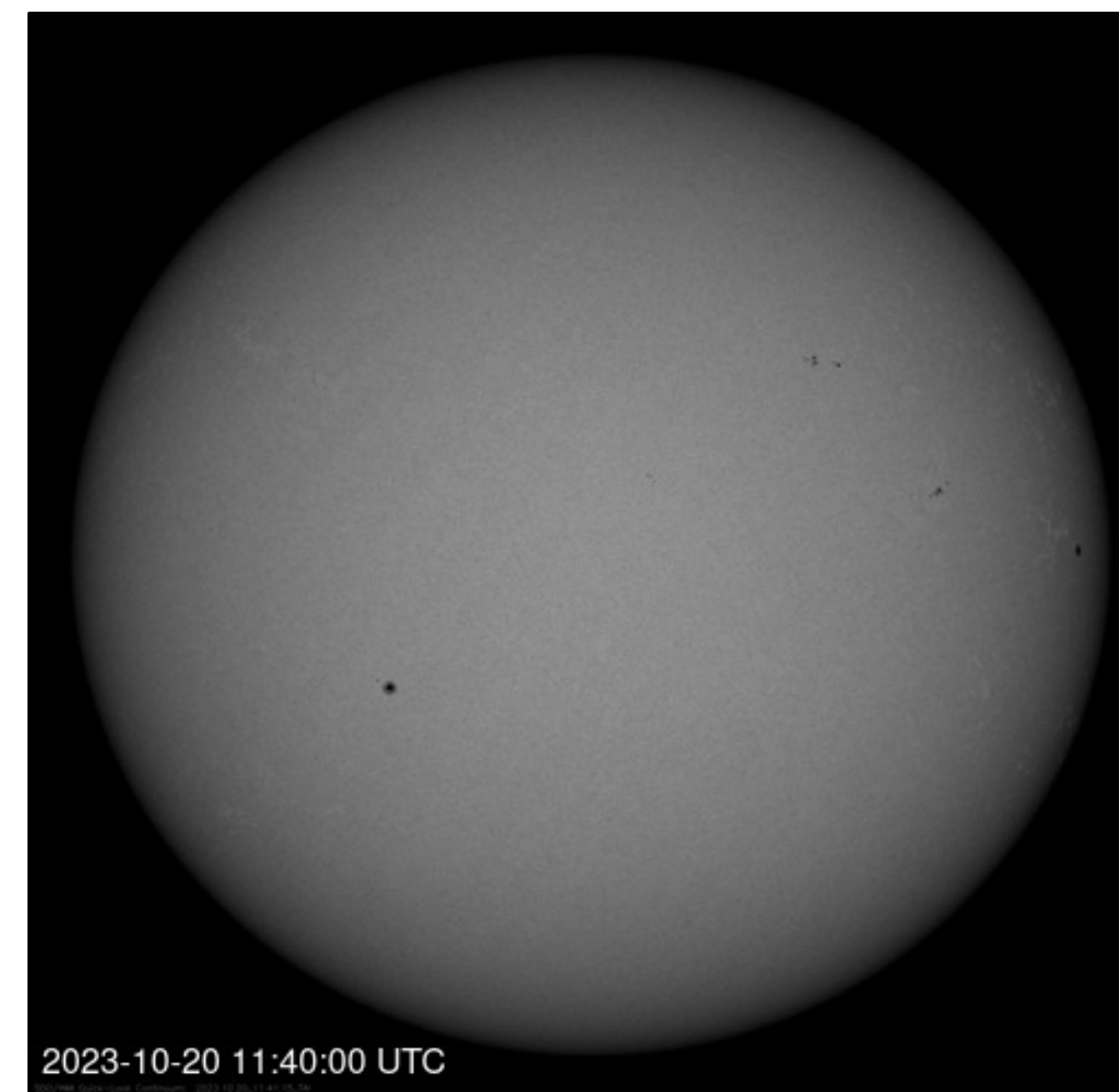
Space Weather 3-Day Forecast

	Friday	Saturday	Sunday
Geomagnetic Storms	Minor (G1) Storm (Max Kp = 5)	Active (Max Kp = 4)	Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	5%	5%	5%
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 for FEMA Region VI

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 sea breeze 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@noaa.gov