FEMA

Prepared by:
Kurt Van Speybroeck

FEMA Region 6 Weather Threat Briefing

Saturday, April 21, 2018

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.

Key Points

SR ROC
REGIONAL OPERATIONS CENTER

Today

- Marginal risk area for strong/severe thunderstorms across E TX/SW LA
- Isolated heavy rain/flash flooding possible across the Arklatex
- Elevated fire weather conditions SE NM and W TX.

Sunday

- Marginal risk area for strong/severe thunderstorms across SE LA.

Monday – Wednesday

- No significant weather impacts expected

River Flood Status

- River points across LA/E AR remain in minor flood stage this week

FEMA Region 6 Threat Matrix

April 21, 2018 – April 25, 2018

SR ROC
REGIONAL OPERATIONS CENTER

DAY / THREAT	SAT	SUN	MON	TUE	WED
Severe Storms	E TX/W LA	SE LA			
Heavy Rain / Flash Flooding	ARKLATEX				
Fire Weather	W TX SE NM				
Winter Weather					
River Flooding	LA/E AR →				

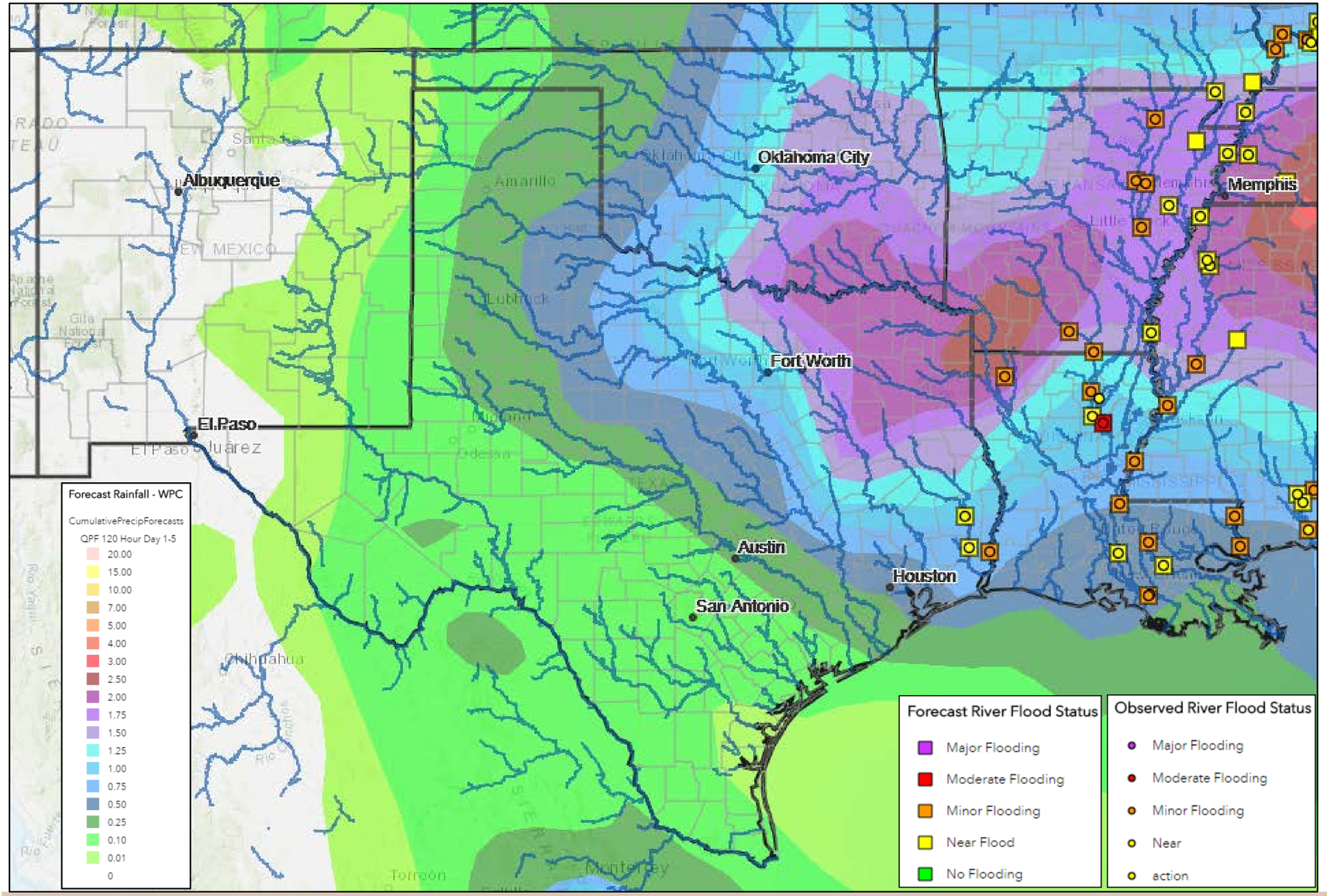
- No Weather Threats Expected
- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years

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.

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



River points across LA/E AR remain in minor flood stage this week.

4/21/2018 7:45 AM

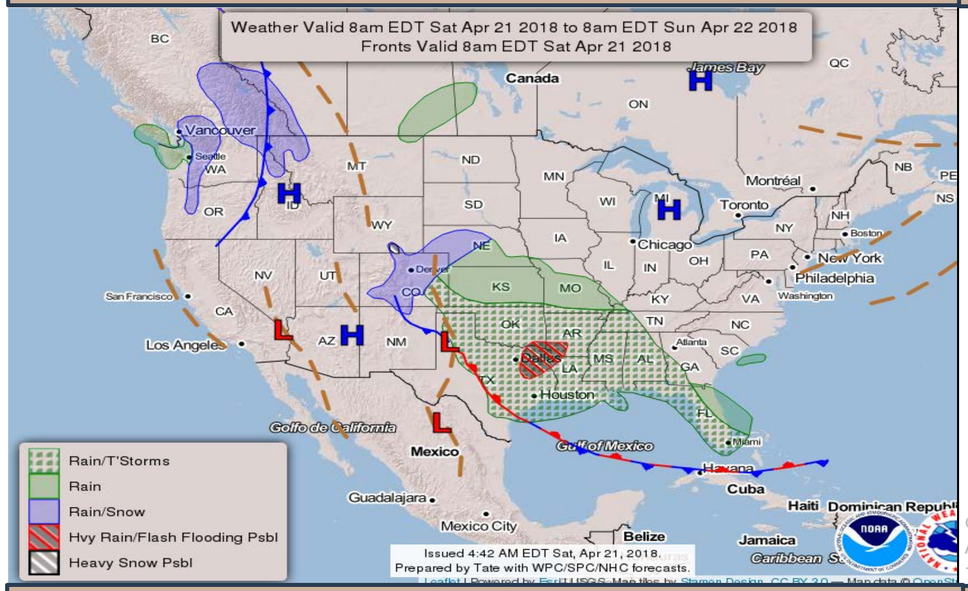
See http://water.weather.gov/ahps for the latest on river flooding

www.weather.gov/srh

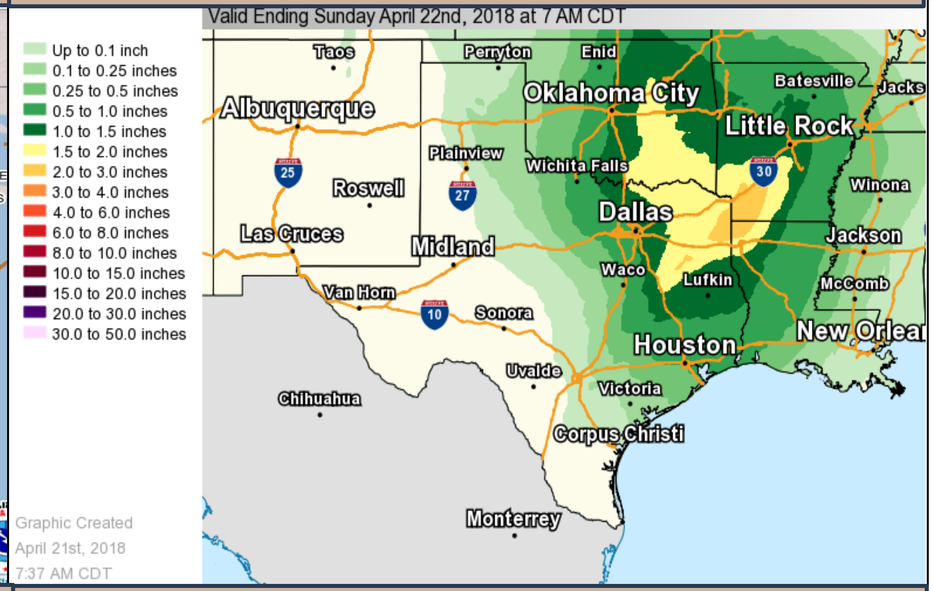
Today's Weather

SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart



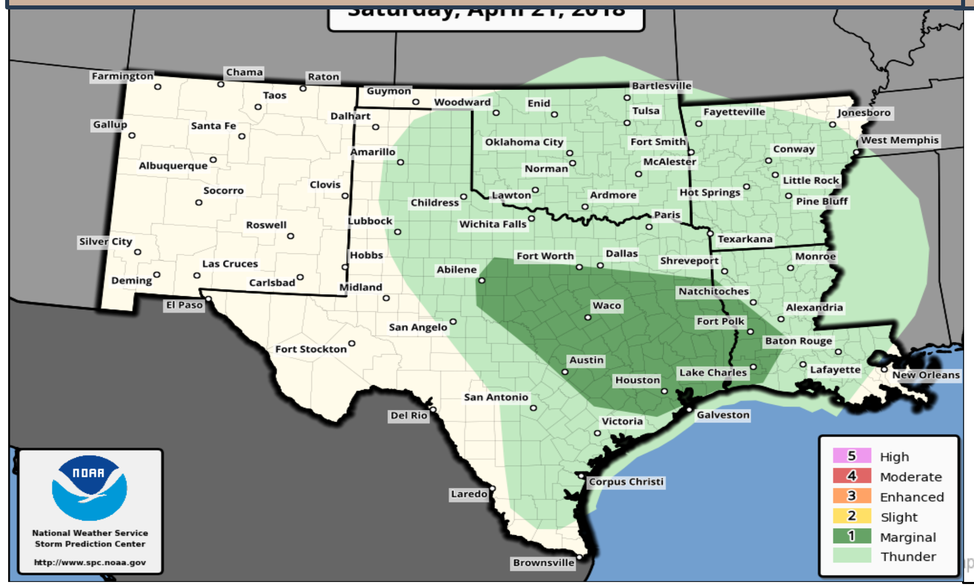
Forecast Rainfall



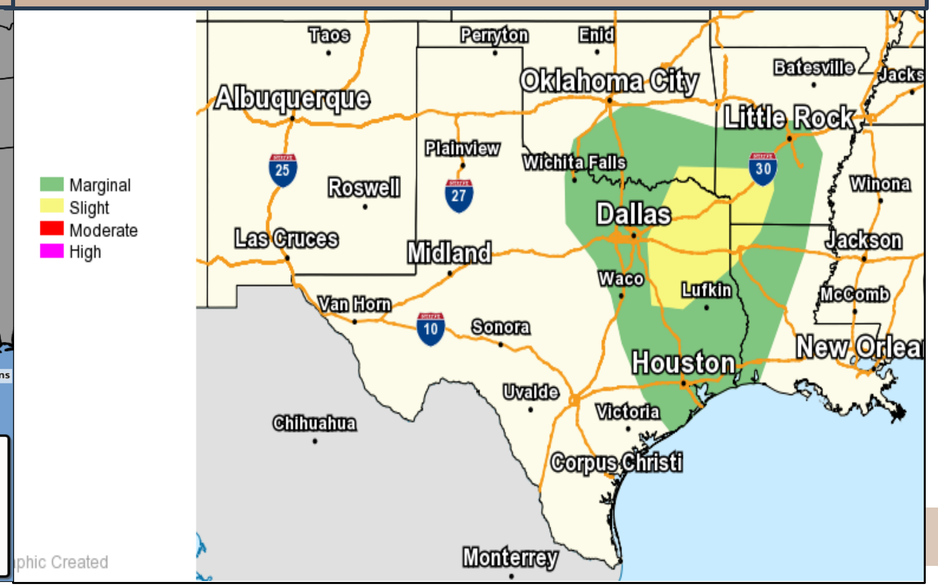
Marginal risk area for strong/severe thunderstorms across E TX/W LA

Elevated fire weather conditions W TX / SE NM

Severe Weather Outlook



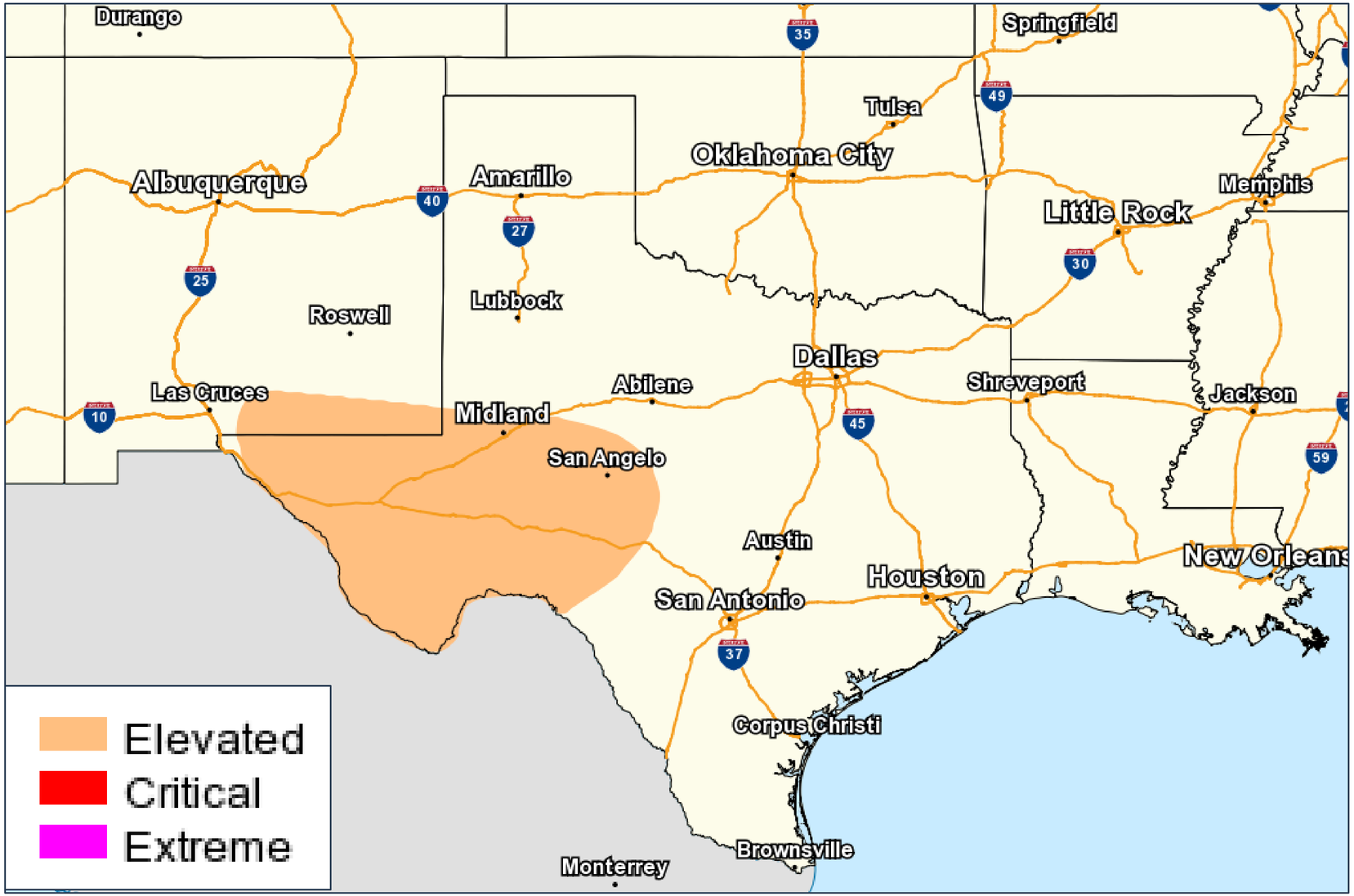
Excessive Rainfall Outlook



www.weather.gov/srh

Today's Fire Weather Outlook

SR ROC
REGIONAL OPERATIONS CENTER

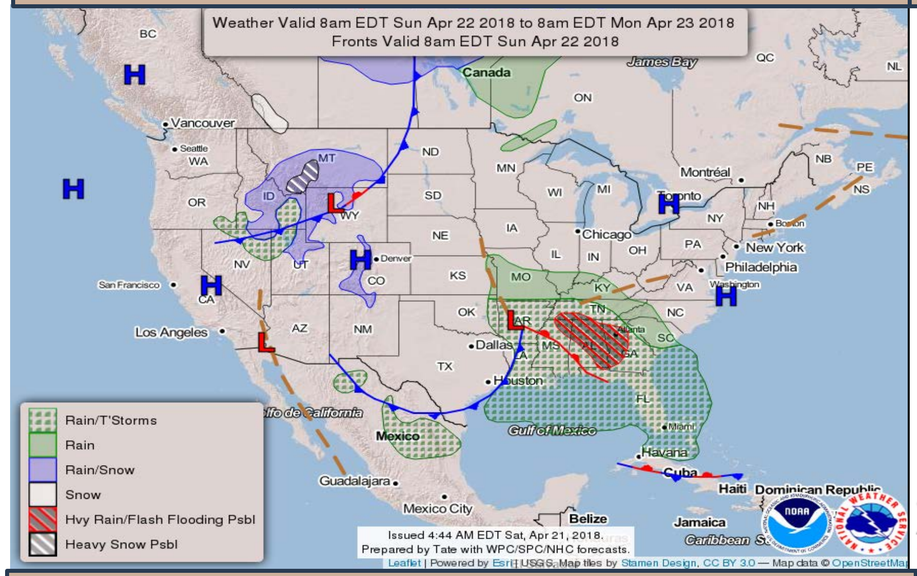


Elevated fire weather conditions W TX / SE NM

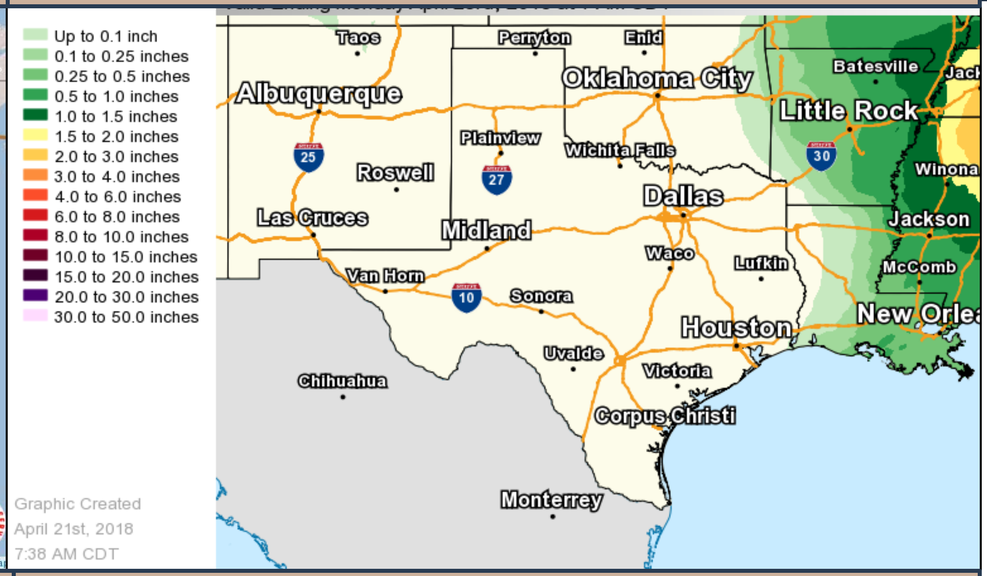
Tomorrow's Weather

SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart

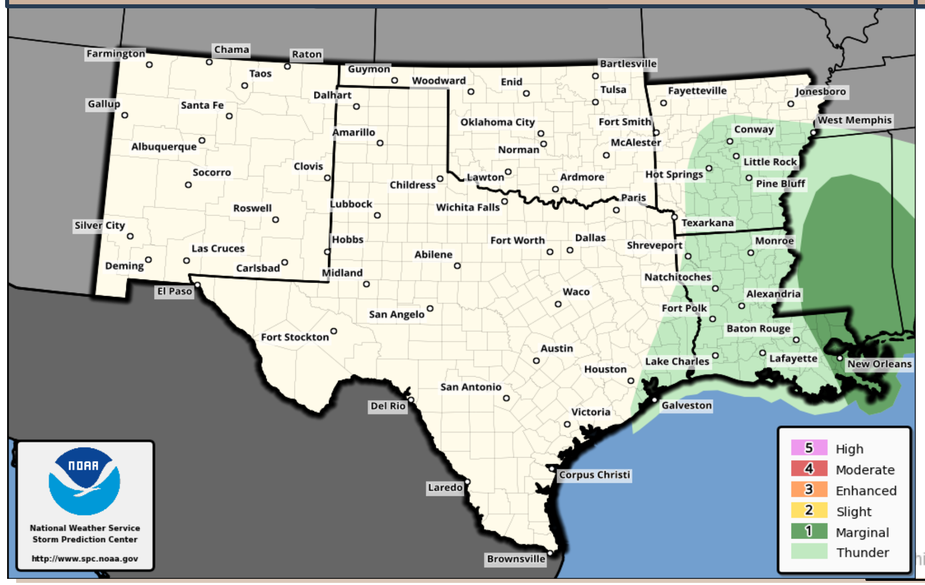


Forecast Rainfall



Marginal risk area for strong/severe thunderstorms across SE LA.

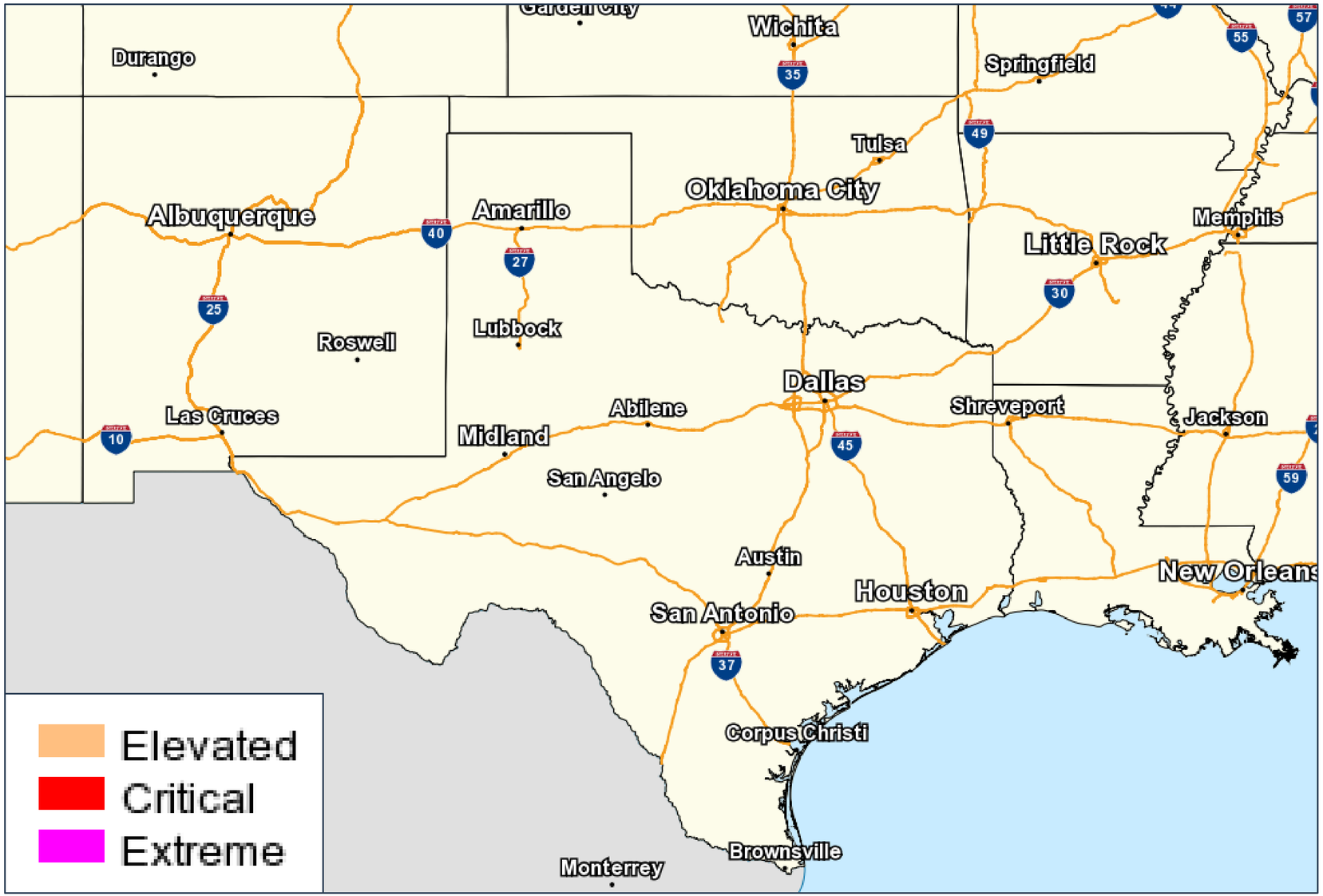
Severe Weather Outlook



Excessive Rainfall Outlook

Tomorrow's Fire Weather Outlook

SR ROC
REGIONAL OPERATIONS CENTER

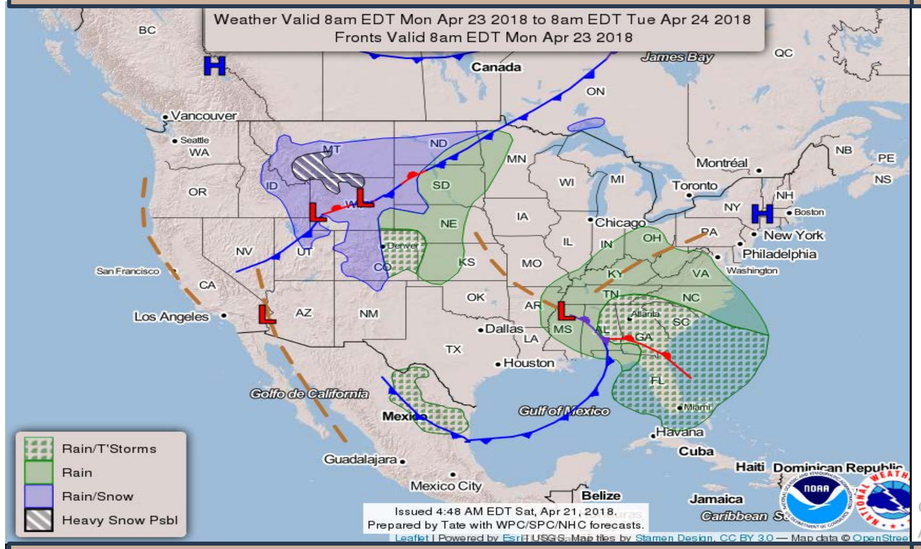


No Significant Fire Weather conditions expected.

Monday's Weather

SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart



Forecast Rainfall

No Significant Weather expected.

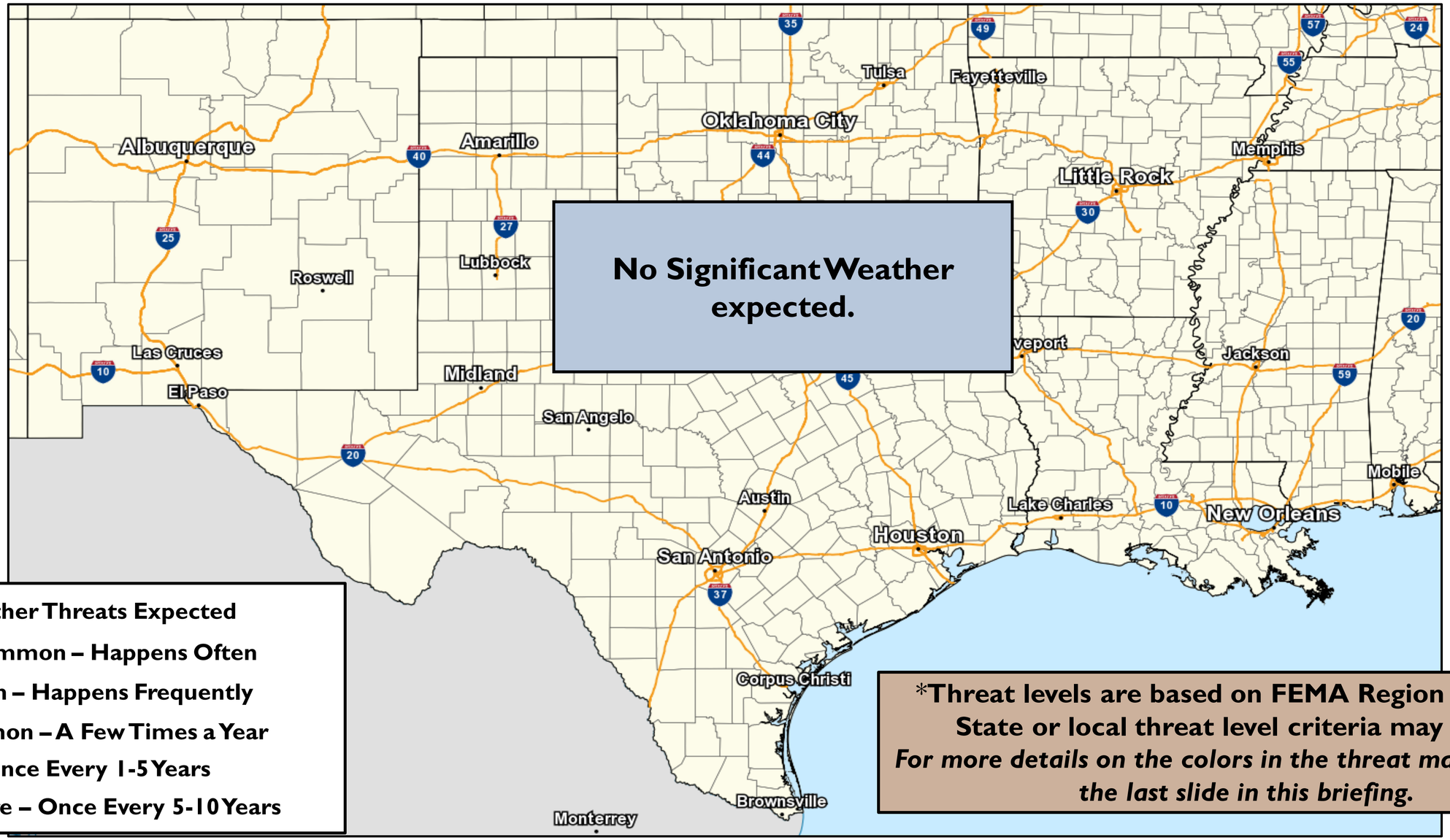
Severe Weather Outlook

Excessive Rainfall Outlook

Days 4-5 Weather Hazards

Tuesday - Wednesday

SR ROC
REGIONAL OPERATIONS CENTER



No Significant Weather expected.

- 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

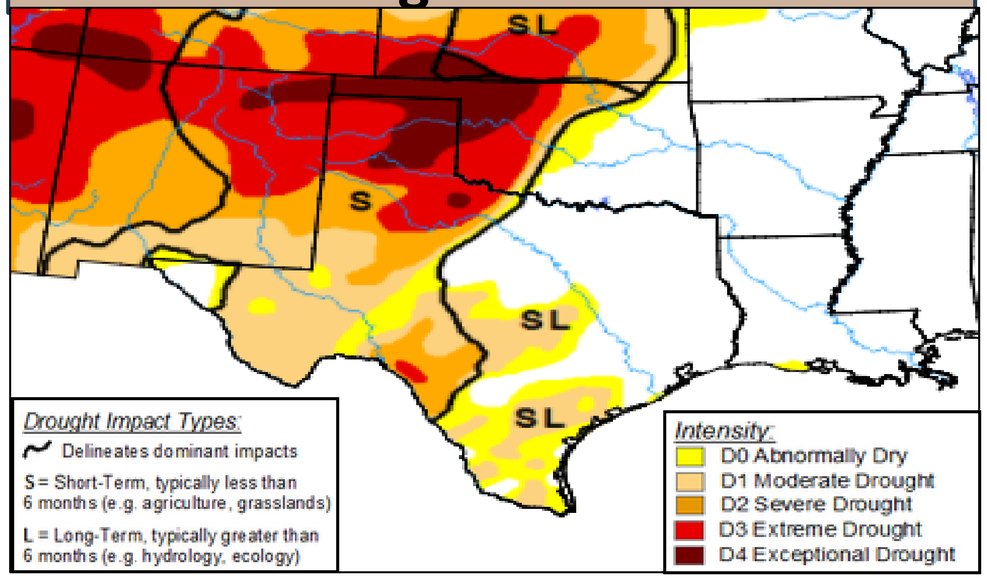
Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.
For more details on the colors in the threat matrix refer to the last slide in this briefing.

Drought Monitor (Released Apr 19th, 2018)

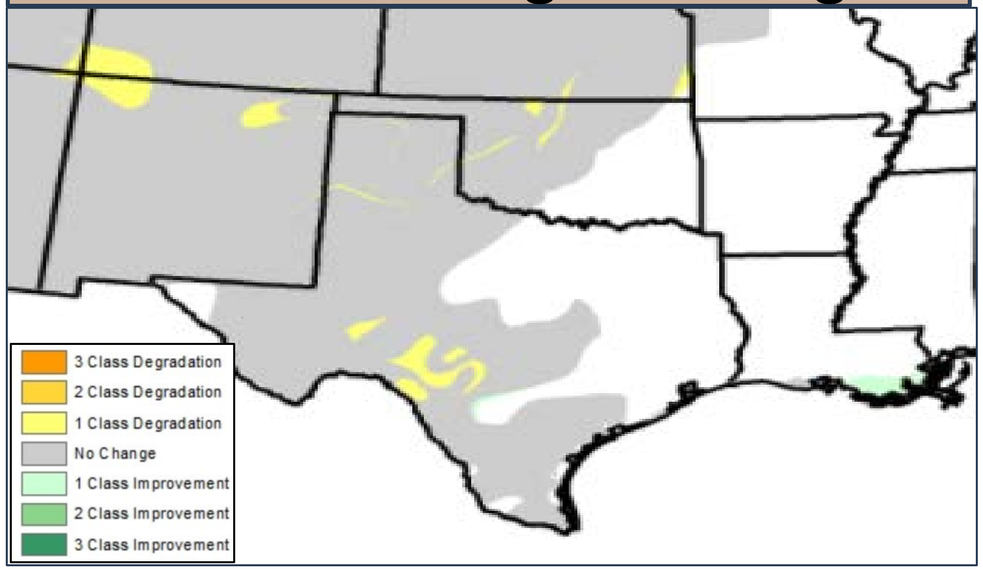
SR ROC
REGIONAL OPERATIONS CENTER

Data valid as of 7am CDT, Tuesday, April 17th, 2018

Drought Monitor



One Week Change in Drought



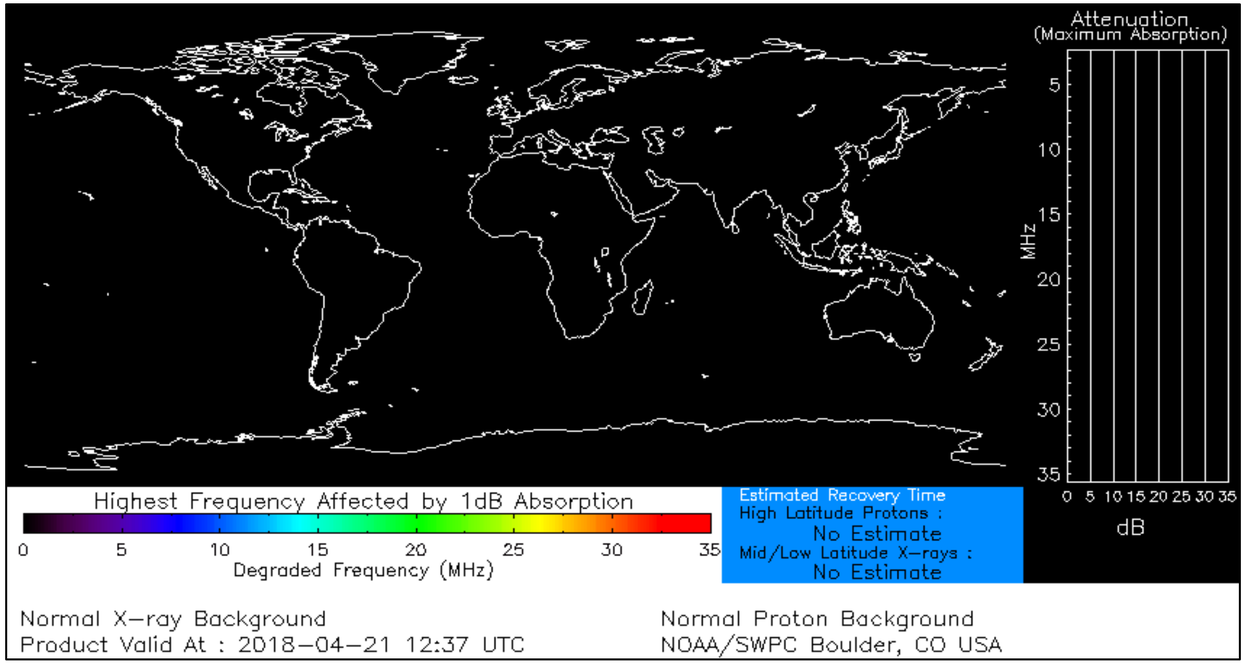
Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	2.37%	2.37%
Louisiana	0.00%	0.00%	0.00%	0.00%
Oklahoma	35.54%	34.85%	12.10%	0.00%
Texas	13.70%	13.21%	2.01%	0.00%
New Mexico	45.97%	45.92%	0.00%	0.00%

Space Weather 3-Day Forecast

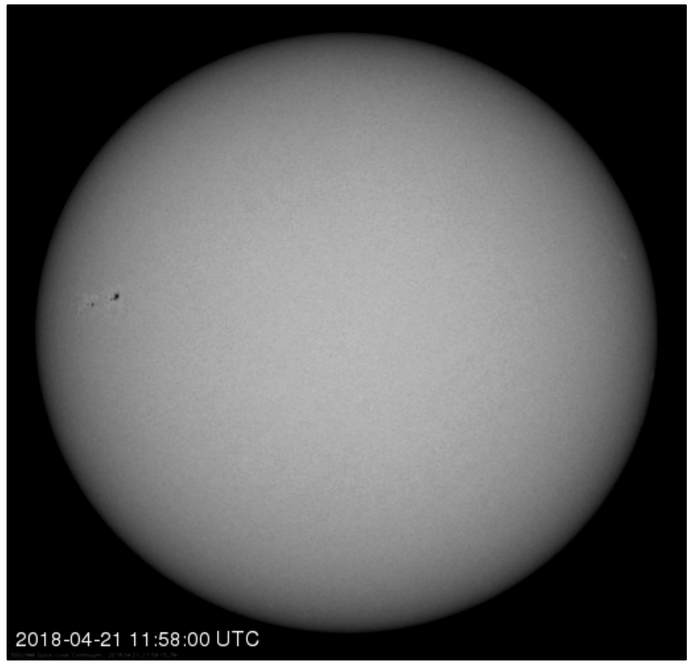
SR ROC
REGIONAL OPERATIONS CENTER

	Saturday	Sunday	Monday
Geomagnetic Storms	Active (Max Kp = 4)	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

@NWS_Southern_US https://twitter.com/NWS_Southern_US

https://www.facebook.com/NWSSouthern

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.