FEMA

**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 and click on the "Weather Forecast Offices" tab and click on the map for your area.

# FEMA Region 6
# Weather Threat Briefing

## Tuesday, December 19, 2017
## Issued: 0800 CT


**National Weather Service**

***Southern Region Headquarters***
***Regional Operations Center***
***Fort Worth, TX***


**Day 1 Weather Impacts:**

- ***Heavy rain/isolated flash flooding possible from NE TX into NW LA and S AR.***
- ***Strong to severe storms possible from E-Central TX into N LA and S AR through the overnight hours.***


**Prepared by: Jennifer McNatt**
**817-978-1100 x 147**

# Key Points

## Today

- Heavy rain/isolated flash flooding possible from NE TX into NW LA and S AR today into the overnight hours but widespread flooding not expected due to ongoing drought conditions
- Strong to severe storms possible from E-Central TX into N LA & S AR; strong winds and an isolated tornado possible

## Wednesday - Thursday

- No significant weather expected

## Friday - Saturday

- Strong to severe storms and isolated areas of heavy rain/flash flooding possible over E TX into AR/LA on Friday
- May see some light snow over northern portions of the Region Saturday into Sunday
- Much colder temperatures this weekend into Christmas Day across the Region

# FEMA Region 6 Threat Matrix
## Dec 19, 2017 through Dec 23, 2017

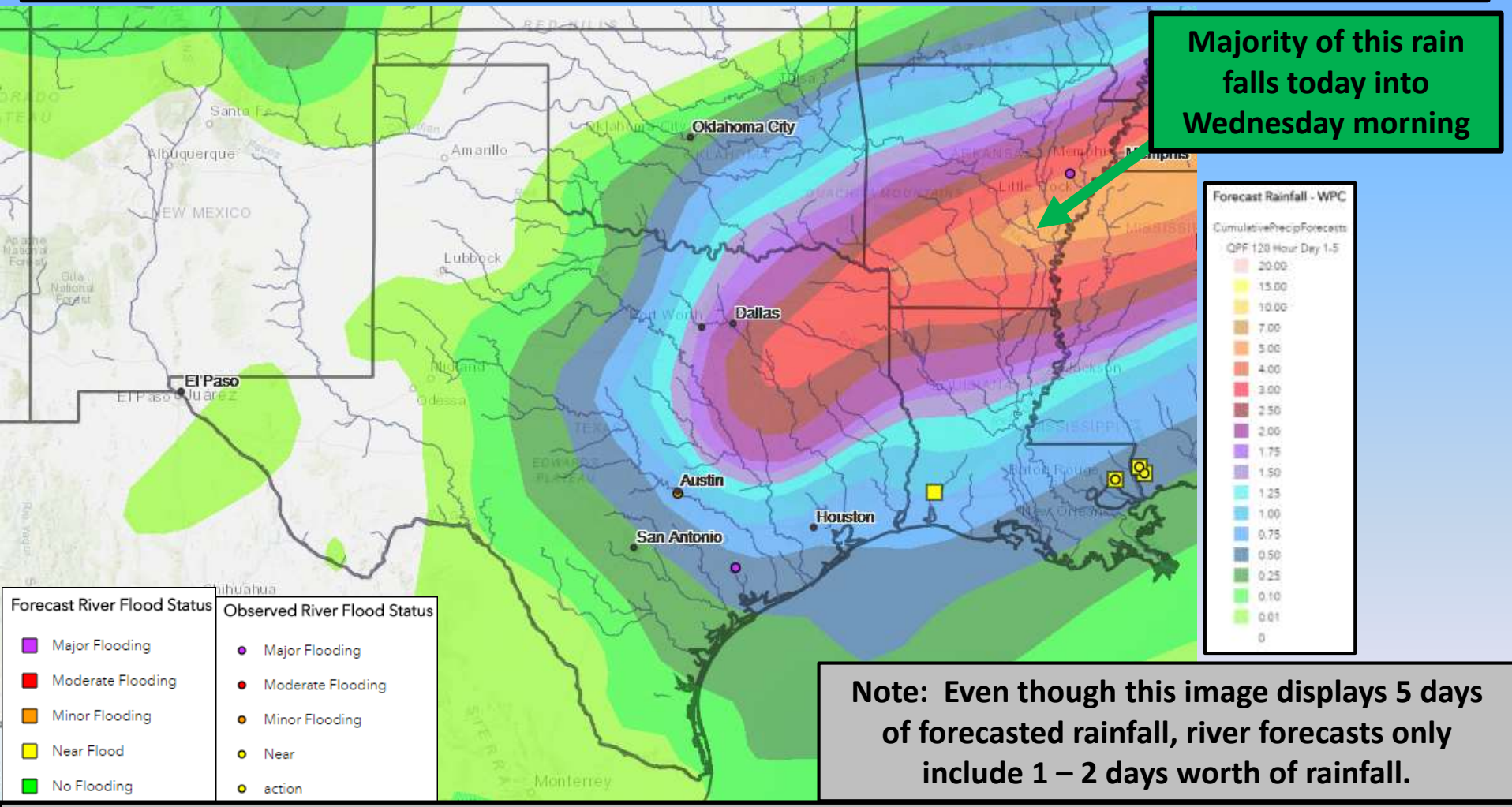
| | TUE | WED | THU | FRI | SAT |
|---|---|---|---|---|---|
| Severe Weather | E-Cntrl TX, N LA, S AR | | | E TX, AR, LA | |
| Heavy Rain / Flash Flooding | S AR, NW LA, NE TX | | | E TX, AR, LA | |
| Fire Weather | | | | | |
| Winter | | | | | Northern portions of the Region |
| River Flooding | | | | | |

- 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

*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

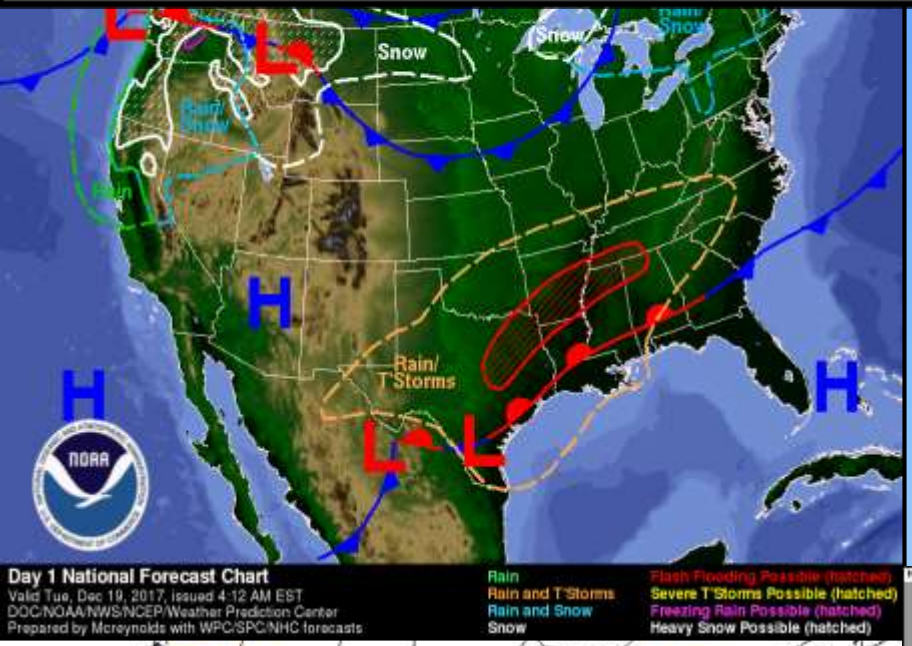
**Some runoff is expected from today/tonight's rain, some smaller streams may respond. This rainfall will saturate soils which may also lead to some minor flooding during the next round of rainfall on Friday.**




**Note: Even though this image displays 5 days of forecasted rainfall, river forecasts only include 1 – 2 days worth of rainfall.**

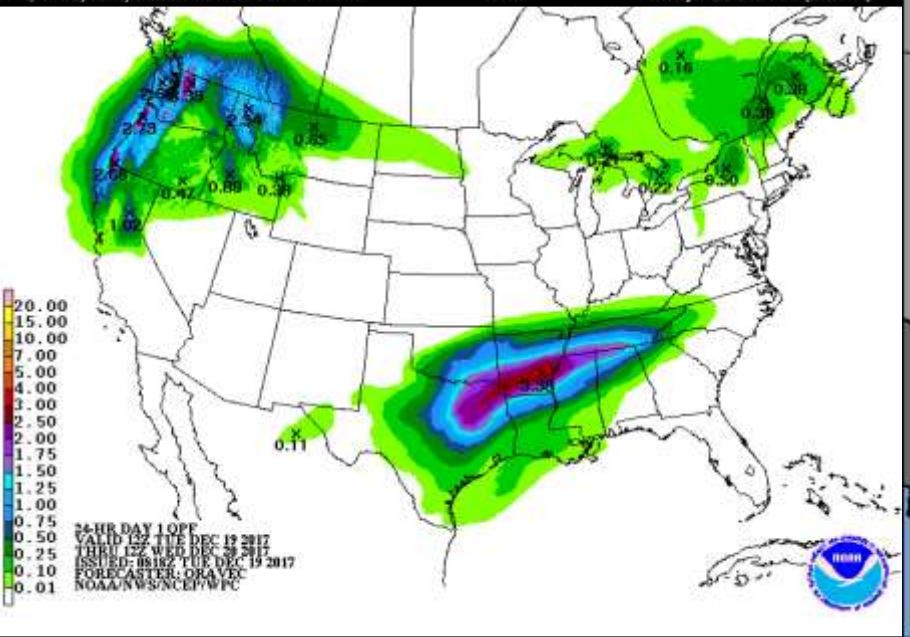
**For the latest on river flooding: http://water.weather.gov/ahps**

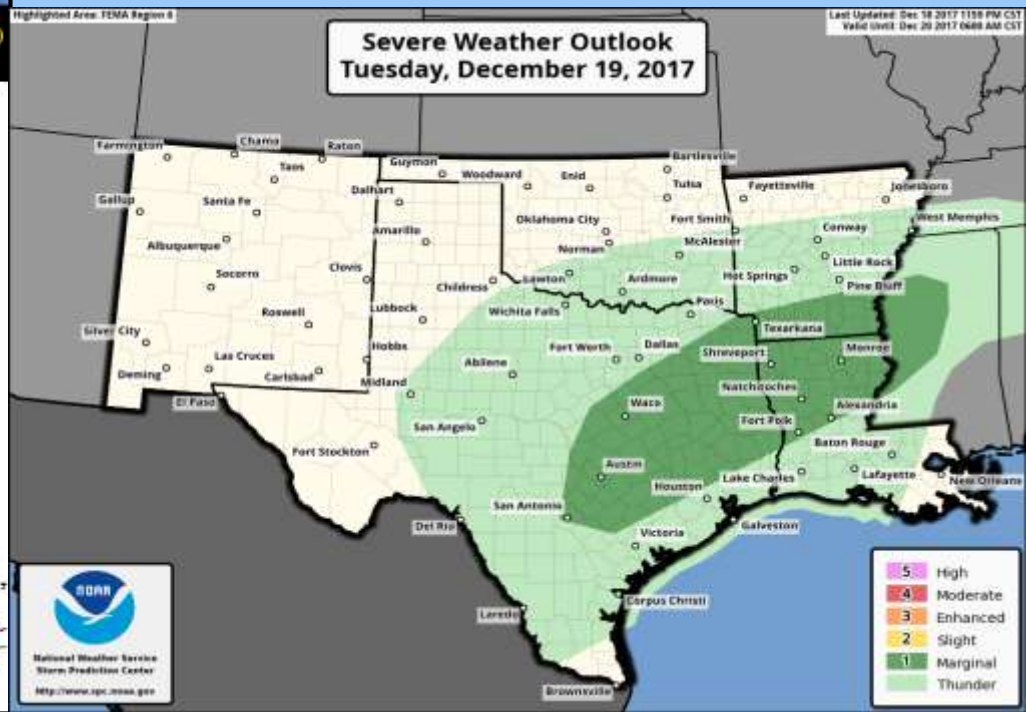
# Today's Weather



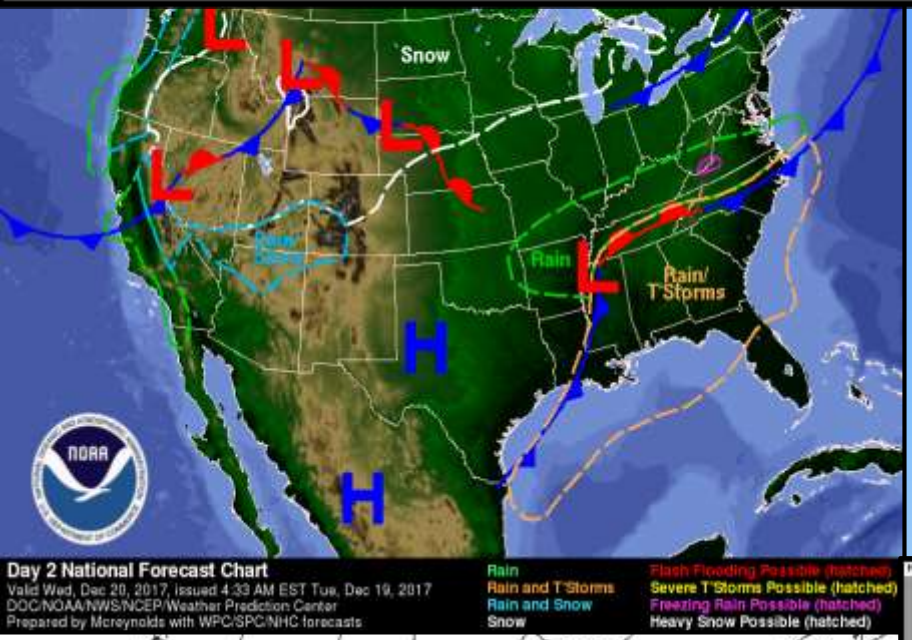

**A few strong storms possible from E-Central TX into N LA & S AR today into the overnight hours; strong winds and an isolated tornado possible.**

**Heavy rain/isolated flash flooding possible from NE TX through NW LA and S AR although widespread flooding not expected due to ongoing drought conditions.**

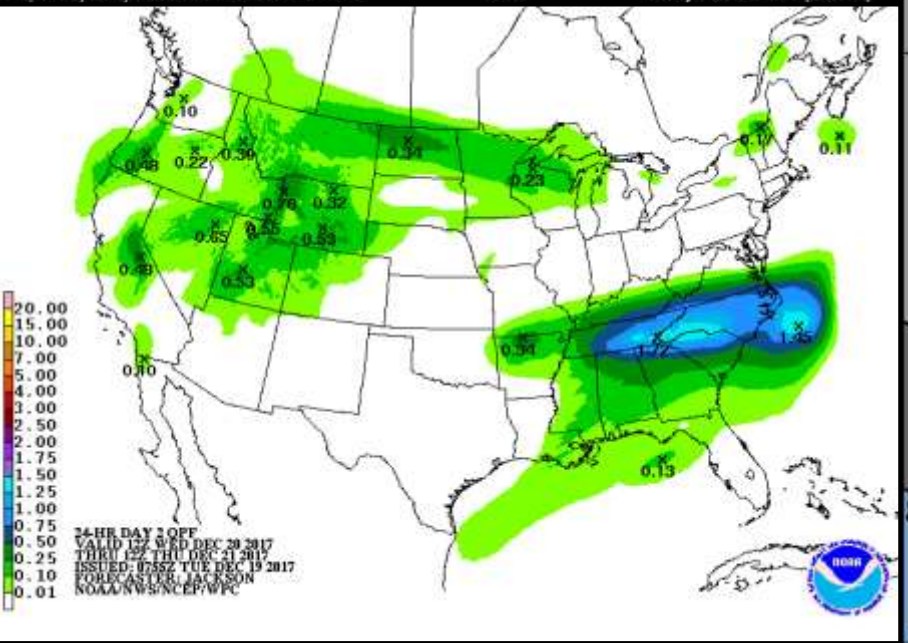


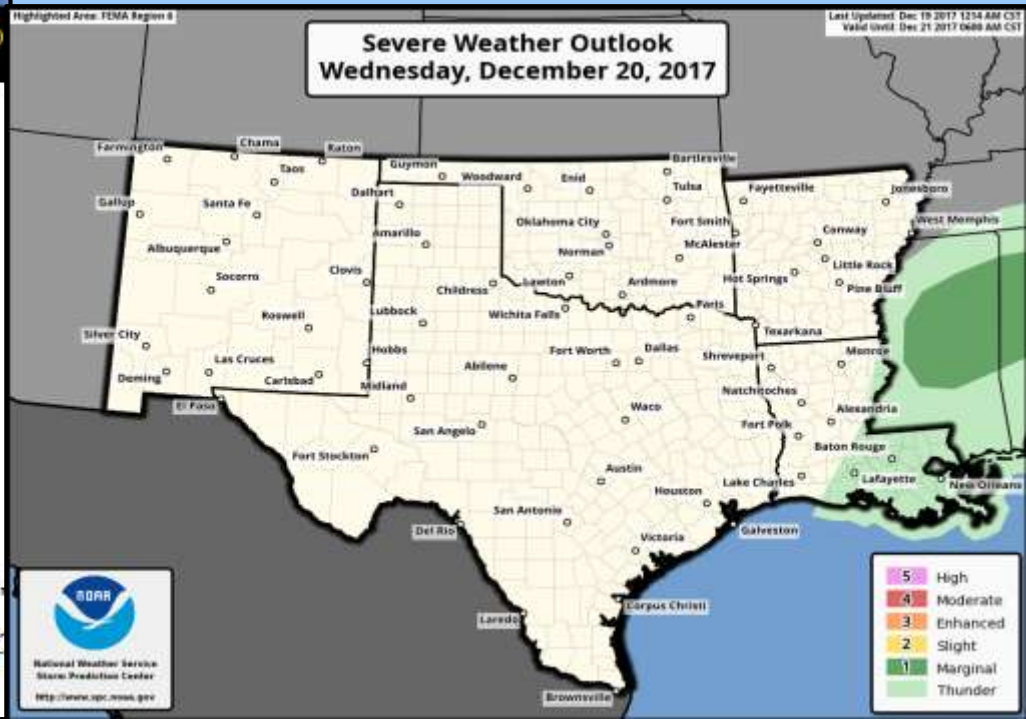



# Tomorrow's Weather

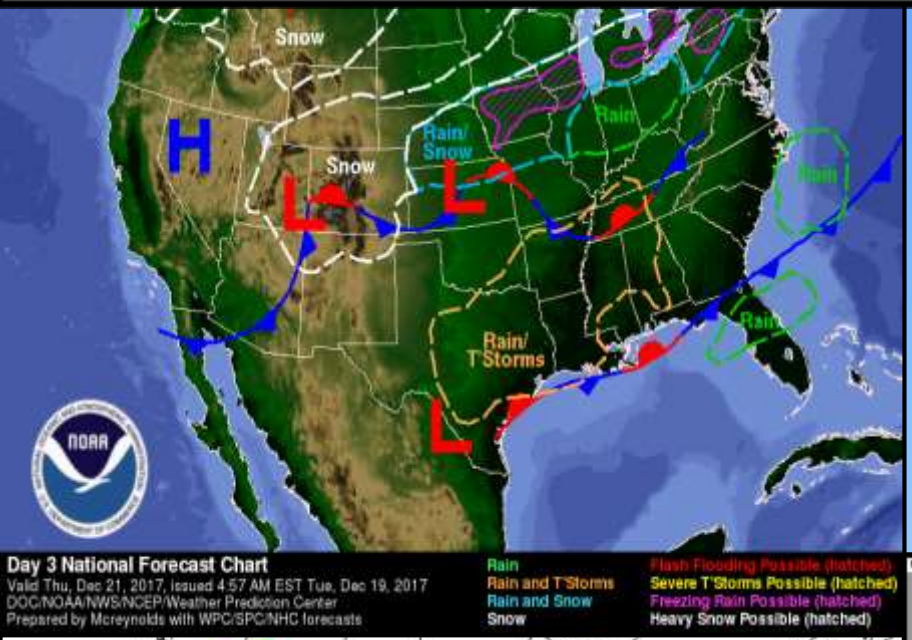



**No significant weather expected.**

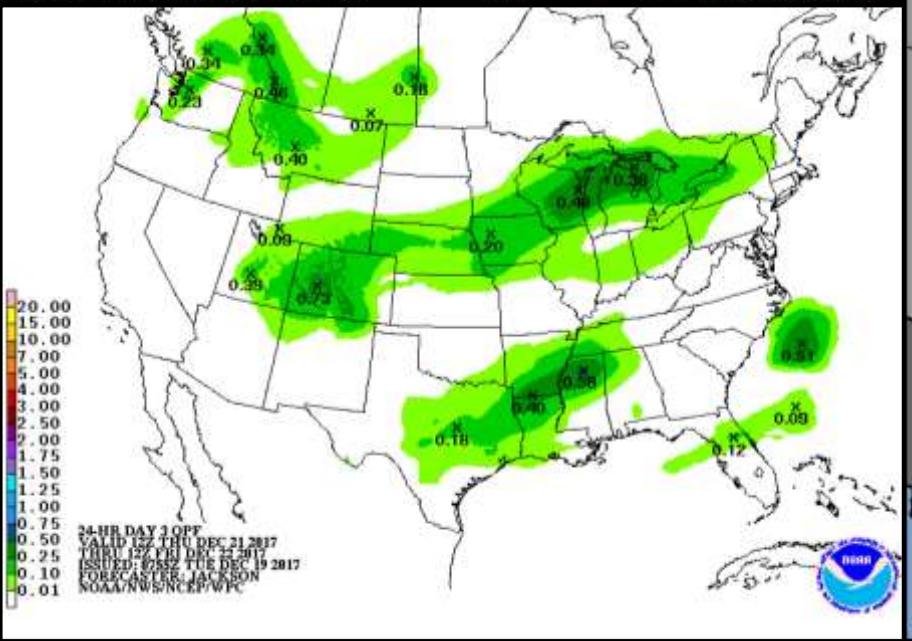


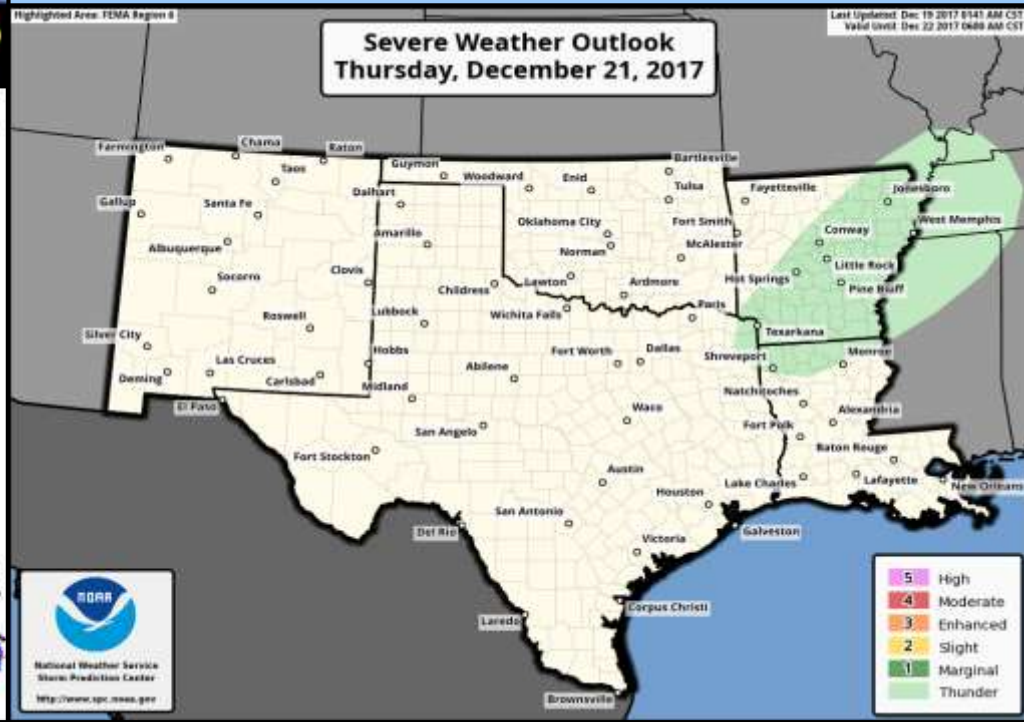



# Thursday's Weather

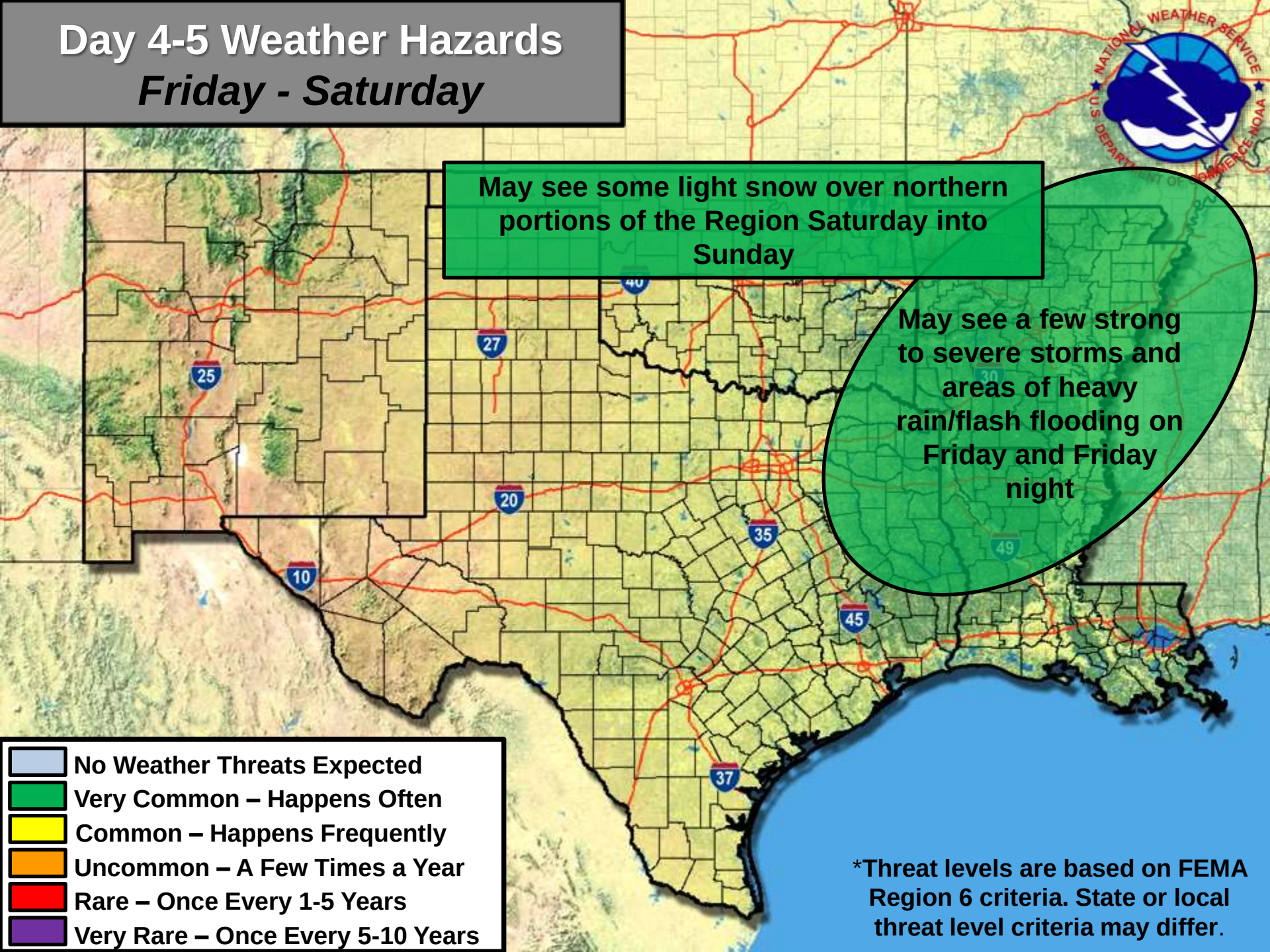



**No significant weather expected.**



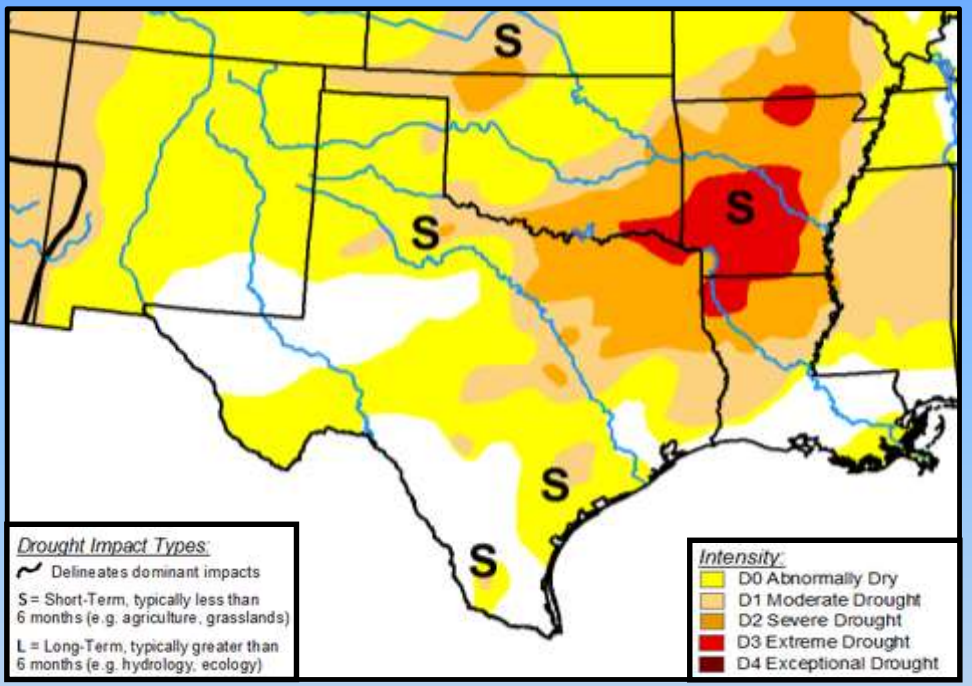



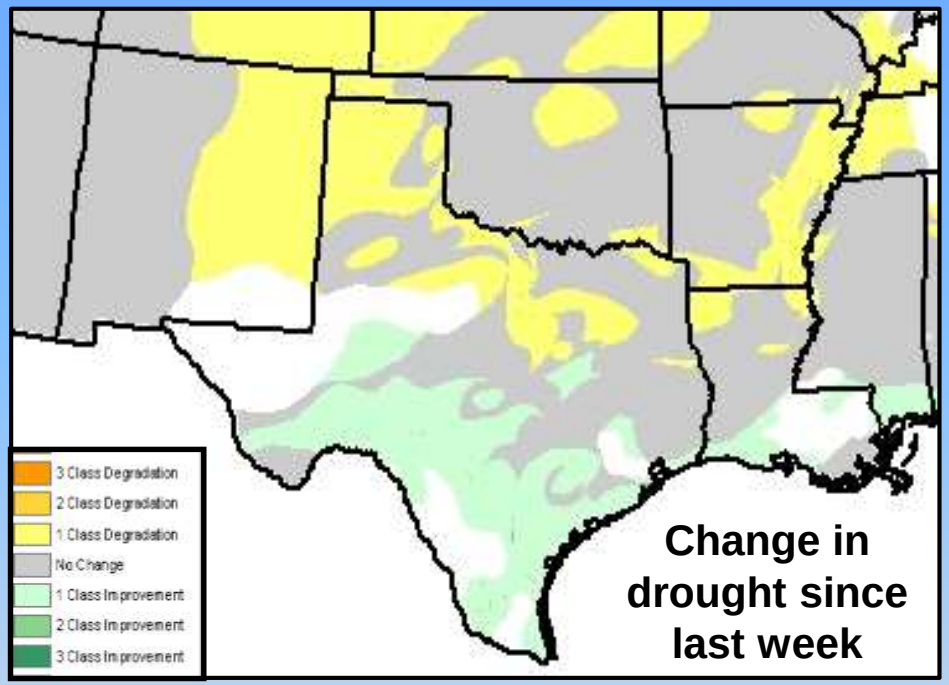
# Day 4-5 Weather Hazards
## *Friday - Saturday*



# Drought Monitor Released December 14, 2017

## Data valid as of 6am CST, Tuesday, December 12, 2017




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

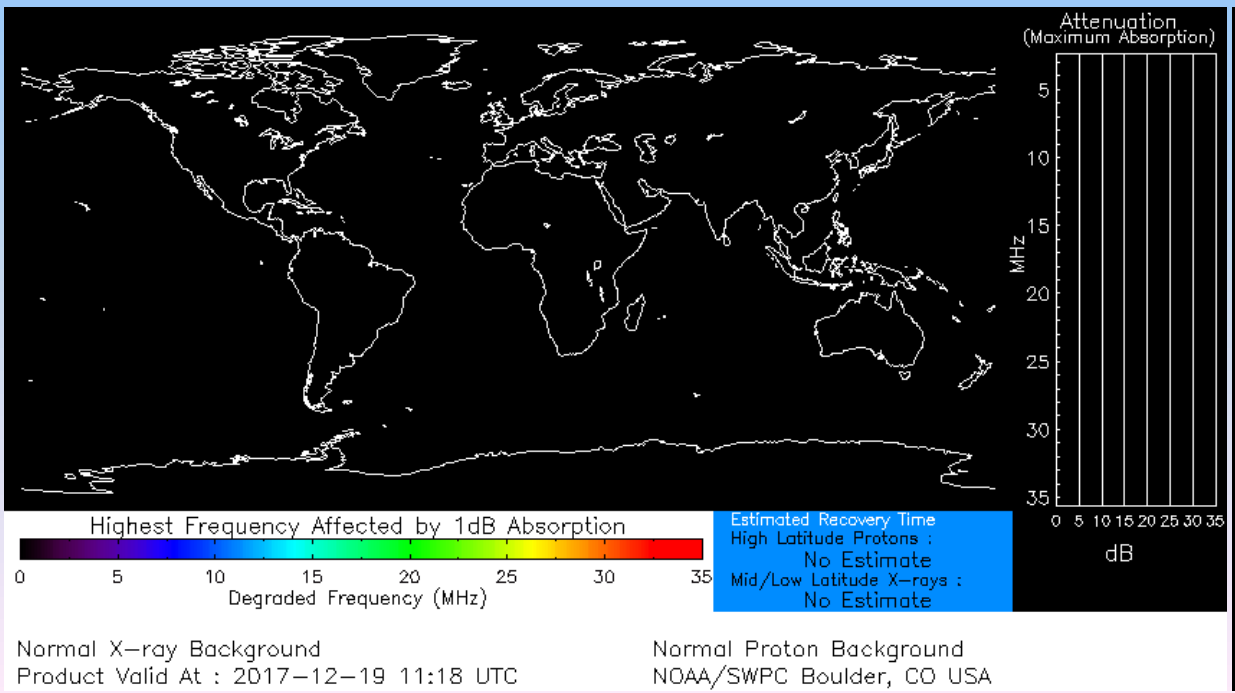
| State | Current | Last Week | 3 Months Ago | 1 Year Ago |
|---|---|---|---|---|
| Arkansas | 42.40% | 26.13% | 0.00% | 0.00% |
| Louisiana | 7.07% | 0.00% | 0.00% | 0.00% |
| Oklahoma | 3.12% | 0.78% | 0.00% | 3.14% |
| Texas | 0.76% | 0.00% | 0.00% | 0.04% |
| New Mexico | 0.00% | 0.00% | 0.00% | 0.00% |

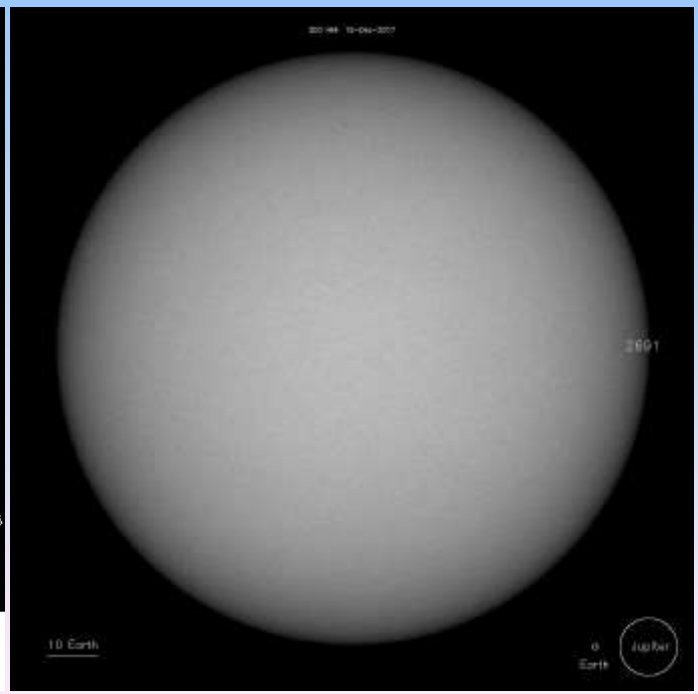
# Space Weather 3-Day Forecast

| | Tuesday | Wednesday | Thursday |
|---|---|---|---|
| Geomagnetic Storms | Unsettled (Max Kp = 3) | 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]



# Information provided by:

**National Weather Service**
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747 ***New Direct Number**
E-mail: sr-srh.roc@noaa.gov
Web: http://www.weather.gov/srh (**NEW link!!**)

facebook https://www.facebook.com/NWSSouthern

twitter **@NWS_Southern_US** https://twitter.com/NWS_Southern_US

# The criteria for the color codes in our briefings is below, please provide any feedback to sr-srh.roc@noaa.gov.

| Weather "Threat" Matrix | | | |
|---|---|---|---|
| **Color** | **Definition** | **Criteria** | **Example(s)** |
| **Green** | **Very Common**<br>Safety: Rarely a Direct Threat to Life and Property<br>Impact Potential: Typically Results in Little Inconvenience to Daily Routines | Severe: Marginal Risk from SPC<br>Flooding: Minor flooding expected over localized areas<br>Tropical: None<br>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<br>• Something that happens almost every day in a particular season such as seabreeze storms in coastal TX |
| **Yellow** | **Somewhat Common – Happens Frequently**<br>Safety: Rarely a Direct Threat to Life and Property<br>Impact Potential: Typically Results in Some Inconvenience to Daily Life | Severe: Slight Risk from SPC<br>Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas<br>Tropical: A weak tropical wave expected to move towards or near any coastline<br>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<br>• 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**<br>Safety: Often Threatening to Life and Property, Some Damage Unavoidable<br>Impact Potential: Typically Results in Minor Disruption to Daily Life | Severe: Enhanced Risk from SPC<br>Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas<br>Tropical: A Tropical Storm expected to move towards or near any coastline<br>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<br>• Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail<br>• Some large fires reported, burn bans advertised, critical conditions expected |
| **Red** | **Rare – Once every 1-5 Years**<br>Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed<br>Impact Potential: Will likely result in Large Disruption to Daily Life | Severe: Moderate Risk from SPC<br>Flooding: Moderate flooding expected over a widespread area (including urban locations)<br>Tropical: A Hurricane expected to move towards or near any coastline<br>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<br>• Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail<br>• Large fires ongoing throughout the area with critical fire weather conditions expected to continue |
| **Purple** | **Very Rare – Once Every 5-10 Years**<br>Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed<br>Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life | Severe: High Risk from SPC<br>Flooding: Major flooding expected over a widespread area (including urban locations)<br>Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline<br>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<br>• Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms |