FEMA Region 6
Weather Threat Briefing
Tuesday, May 21, 2019

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.
Summary of the Upcoming Week

Today

- Severe thunderstorms possible across E OK, AR, and Arklatex.
- Heavy rainfall/flash flooding likely over E OK/NW AR.

Wednesday

- Isolated severe storms and heavy rainfall/flash flooding possible over portions of OK, TX, and NM.

Thursday - Saturday

- Severe storms possible for the TX/OK Panhandles into W OK on Thursday/Friday.

Major River Flooding or Known Evacuations

- Major flooding continues on the MS River at Baton Rouge (SE LA), the Ouachita River at Monroe (N LA), the Neches River near Alto (E TX), and the Trinity River at Liberty (SE TX).
- River flooding returns to Central and NE OK.
### FEMA Region 6 Threat Matrix

**May 21, 2019 – May 25, 2019**

<table>
<thead>
<tr>
<th>DAY / THREAT</th>
<th>TUE</th>
<th>WED</th>
<th>THU</th>
<th>FRI</th>
<th>SAT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Severe Storms</strong></td>
<td>AR</td>
<td>E NM</td>
<td>TX/OK Panhandles</td>
<td>N OK</td>
<td></td>
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<tr>
<td></td>
<td>AR/OK</td>
<td>NE TX/NW LA</td>
<td>NW OK</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Heavy Rain / Flash Flooding</strong></td>
<td>E OK/NW AR</td>
<td>NE OK</td>
<td>NTX Panhandle/W OK</td>
<td></td>
<td></td>
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<tr>
<td><strong>Fire Weather</strong></td>
<td>S NM/W TX</td>
<td>S NM/W TX</td>
<td></td>
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<tr>
<td><strong>Tropical Weather</strong></td>
<td></td>
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<tr>
<td><strong>River Flooding</strong></td>
<td>TX/LA</td>
<td>TX/LA/OK</td>
<td>TX/LA/OK</td>
<td>TX/LA/OK</td>
<td>TX/LA/OK</td>
</tr>
<tr>
<td></td>
<td>AR</td>
<td>AR</td>
<td>AR</td>
<td>AR</td>
<td>AR</td>
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</tbody>
</table>

- **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.

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5/21/2019 7:13 AM  
www.weather.gov/srh
Points along the MS River in AR and LA remain at moderate/major flood stage.

- Osceola (NE AR) will remain at moderate flood stage through the middle of next week with many roads under water.
- Arkansas City (SE AR) will remain in moderate flood through Tuesday with lowland flooding and flooded roads.
- At Baton Rouge, (SE LA), major flooding will continue with mostly navigational impacts.
- The Bonnet Carre Floodway is opened to reduce water levels at New Orleans.

Major flooding also continues on the Ouachita River at Monroe (N LA) and the Neches River Near Alto (E TX). Impacts mostly to roads and agriculture. Trinity River at Liberty has fallen to moderate flood stage where impacts to some residences are still possible.
**Today's Weather**

**Forecast Chart**

Weather Valid 8am EDT Tue May 21 2019 to 8am EDT Wed May 22 2019

**Forecast Rainfall**

Valid Ending Wednesday May 22nd, 2019 at 7 AM CDT

- Heavy rainfall/flash flooding likely over portions of E OK/NW AR.
- Enhanced risk of severe storms (hail, wind, tornadoes) over AR.
- Slight risk of severe storms over OK/AR into NE TX/NW LA.

**Severe Weather Outlook**

**Excessive Rainfall Outlook**
Flash flood watch in effect for most of OK.

Tornado watch in effect for E OK/NW AR.

Red flag warning over S NM/W TX.
Isolated strong to severe thunderstorms possible over TX/OK Panhandles and W OK.
Isolated heavy rainfall/flash flooding possible over NE OK.
Thursday's Weather

Forecast Chart

Forecast Rainfall

Severe Weather Outlook

Excessive Rainfall Outlook

Severe thunderstorms across TX/OK Panhandles into NW OK.

Heavy rainfall/flash flooding possible over NE TX Panhandle and W OK.
Days 4-5 Weather Hazards

Friday-Saturday

Severe storms possible Friday

*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.
### Space Weather 3-Day Forecast

<table>
<thead>
<tr>
<th></th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Geomagnetic Storms</strong></td>
<td>Quiet to Unsettled (Max Kp = 3)</td>
<td>Quiet to Unsettled (Max Kp = 3)</td>
<td>Quiet (Max Kp = 2)</td>
</tr>
<tr>
<td><strong>Solar Radiation Storm (S1-S5)</strong></td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td><strong>Radio Blackout (R1-R2)</strong></td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td><strong>Radio Blackout (R3-R5)</strong></td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Color</th>
<th>Definition</th>
<th>Criteria</th>
<th>Example(s)</th>
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</thead>
</table>
| **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  
Floodling: 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 southerly 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  
Floodling: Nuisance flood 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 for 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”-“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  
Floodling: 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/dust 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  
Floodling: 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  
Floodling: Major flooding expected over a widespread area (including urban locations)  
Tropical: A Major Hurricane (Cat 5 or greater) 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, 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.**