



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 <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

FEMA Region 6 Weather Threat Briefing

Sunday, July 31, 2016

Issued: 0800 CT

Day 1 Weather Hazards: Isolated heavy rain/flash flooding is possible over western NM. Isolated severe storms with damaging winds/hail possible over eastern OK into AR.

National Weather Service

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



**Prepared by: Brian Hoeth
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Key Points

Today

- Isolated heavy rain/flash flooding is possible over western NM
- Isolated severe storms with damaging winds/hail possible over eastern OK into AR

Monday through Thursday

- Scattered afternoon showers and thunderstorms each day
- Widespread severe weather and/or flooding is not expected, but isolated heavy rain/flash flooding will remain a possibility over western NM

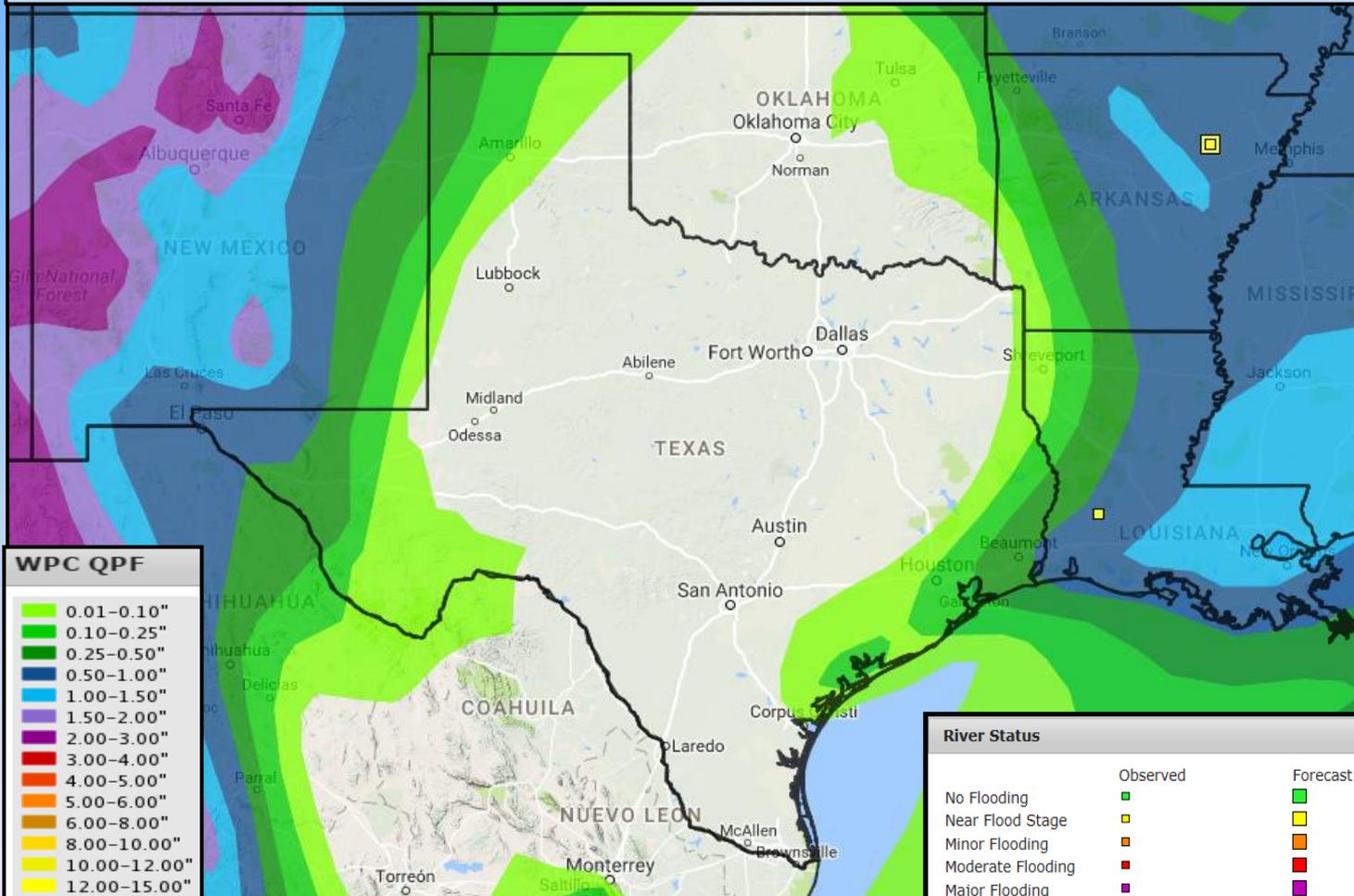
Tropical Outlook

- Two tropical waves in the Atlantic (see graphic next page) are being tracked as they move westward the next several days
 - Wave 1 in the western Atlantic/eastern Caribbean has a medium chance (40%) of development the next 2 days and a high chance (70%) of development through 5 days.
 - Impacts: Too early to determine impacts to FEMA 6
 - Timing: Current forecast models are tracking the storm into the western Caribbean by late Tuesday / early Wednesday and possibly emerging in the southern Gulf / Bay of Campeche by late Thursday / early Friday
 - Wave 2 in the eastern Atlantic is unlikely to develop and has a low chance (near 0%) of tropical storm formation over the next 5 days
 - No impacts to FEMA 6

River Flood Status/5 Day Forecast Rainfall

No significant river flooding is occurring or expected.

Daily rainfall over NM may lead to some flash flooding, but river flooding is not expected at this time. No significant rainfall/flooding expected elsewhere.



Disclaimer:
Although this image shows the next 5 days of expected rainfall, river forecasts only incorporate 1-2 days worth of precipitation.

See <http://www.srh.noaa.gov/rfcexp/main.php?fs=1> for the latest on river flooding

*FEMA Region 6 Threat Matrix

Jul 31, 2016 - Aug 4, 2016

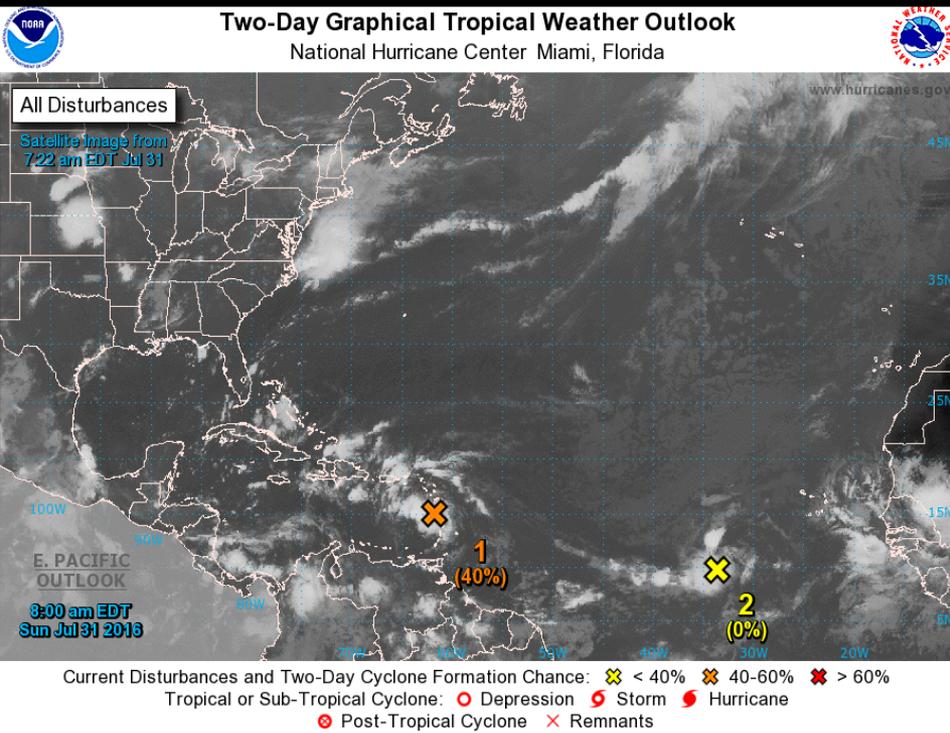
DAY/ THREAT	SUN	MON	TUE	WED	THU
Severe Weather	Eastern OK into AR				
Heavy Rain/ Flash Flooding	Western NM	Western NM	Western NM	Western NM	Western NM
Fire Weather					
Heat					
River Flooding					

	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.



Tropical Weather Outlook

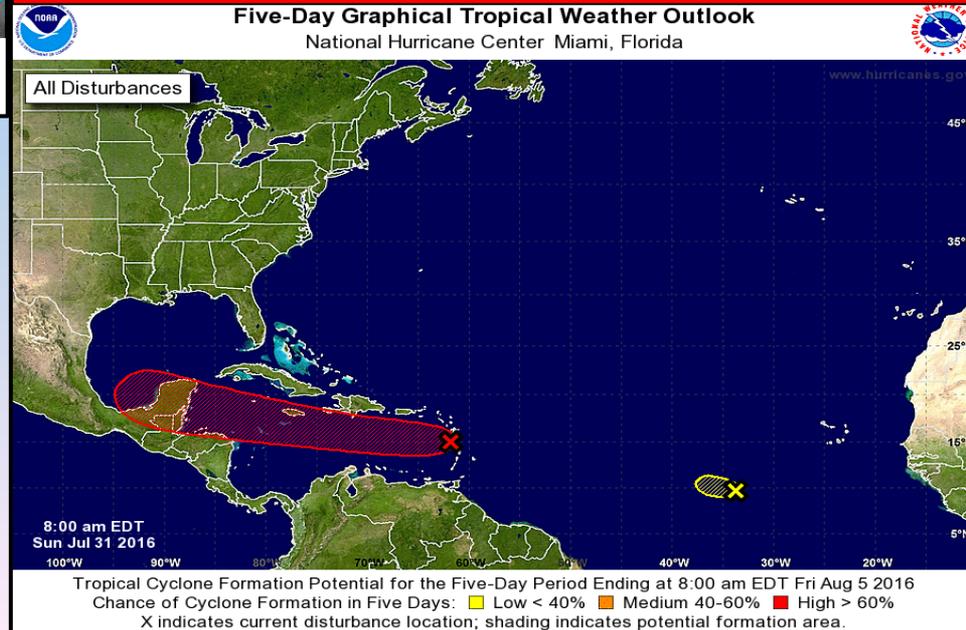


Fast moving tropical wave in the western Atlantic will move into the Caribbean Sea and reach Hispaniola Monday. Although some gradual development of this system is possible during the next couple of days, the chance for tropical cyclone formation should increase after the wave reaches the western Caribbean Sea in a couple of days. Too early to determine impacts to FEMA 6. Approximate timing would put the storm in the western Caribbean by late Tue / early Wed and possibly emerging in the southern Gulf / Bay of Campeche by late Thursday / early Friday.

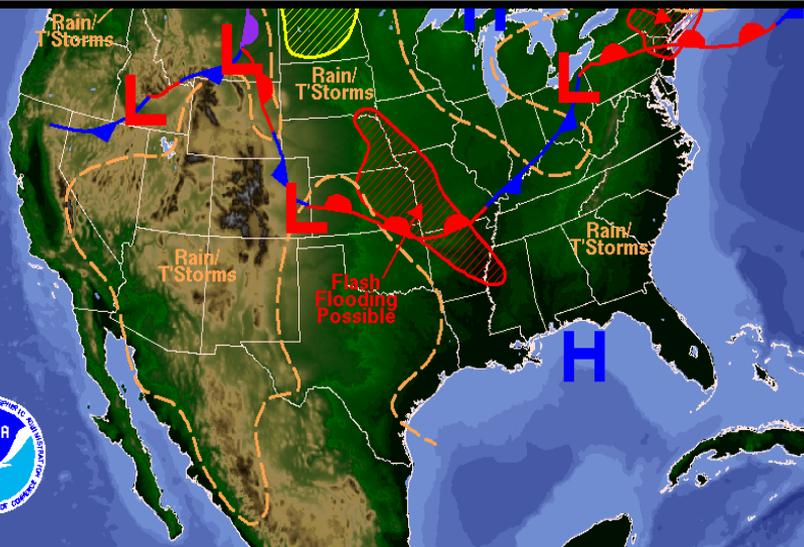
- Formation chance through 48 hours...40%
- Formation chance through 5 days...70%

Disorganized shower and thunderstorm activity associated with a tropical wave located nearly 700 miles west-southwest of the Cabo Verde Islands has changed little in organization. This system should continue moving westward at 10 to 15 mph, and development is unlikely due to unfavorable upper-level winds.

- Formation chance through 48 hours...0%
- Formation chance through 5 days...0%



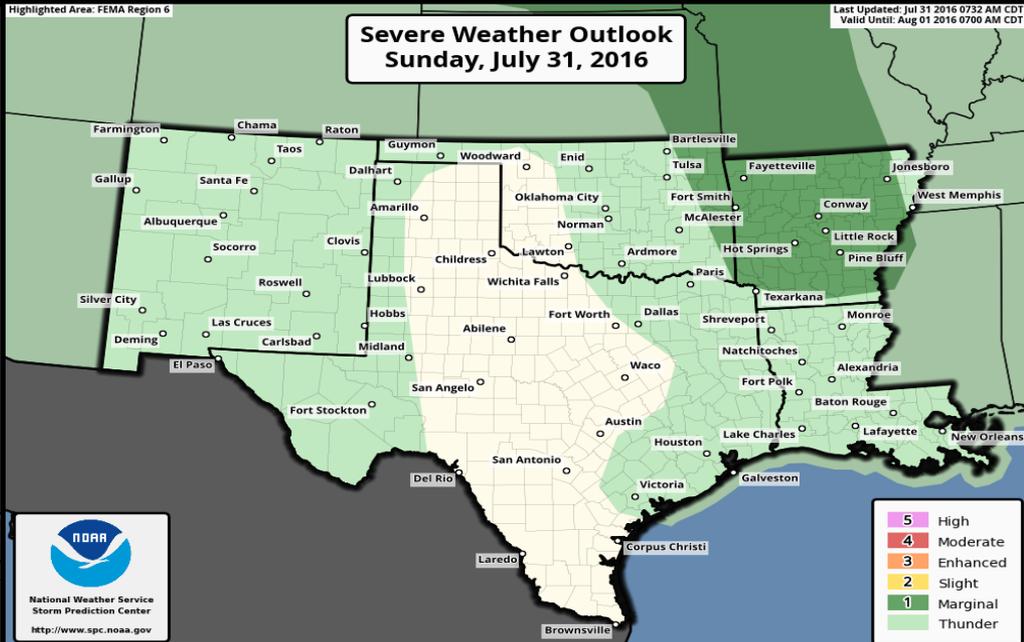
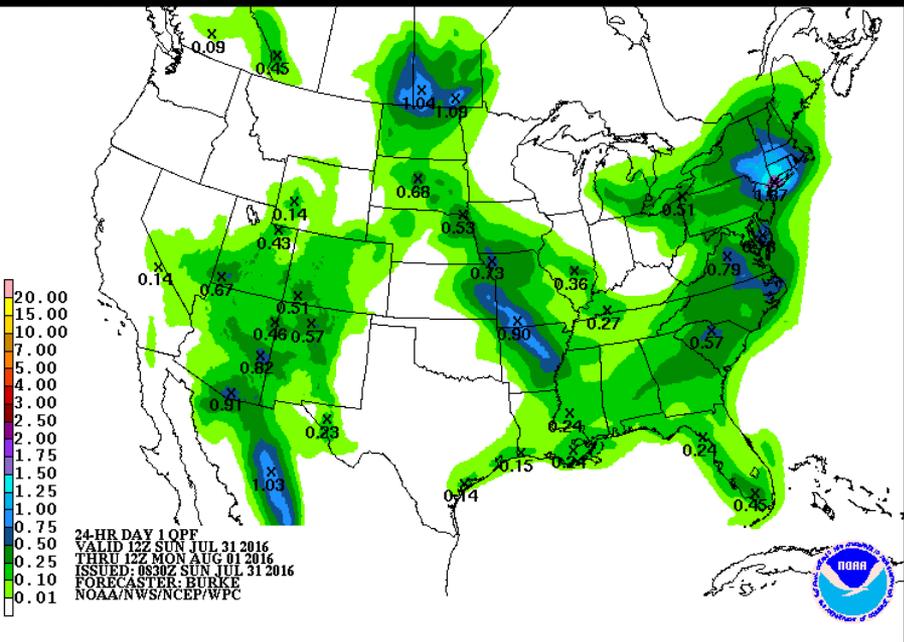
Today's Weather



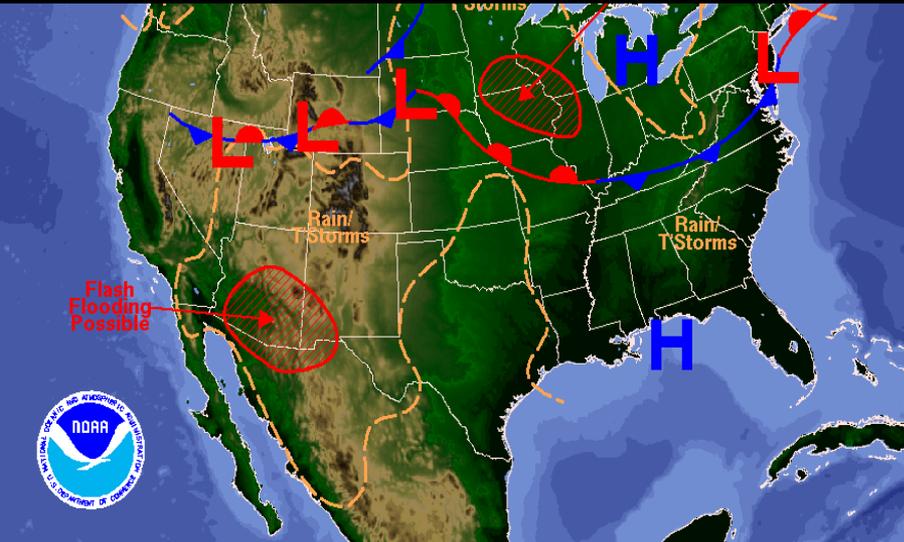
Weather Forecast for Sun, Jul 31, 2016, issued 4:47 AM EDT
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Santorelli based on WPC, SPC and NHC forecasts

Isolated flash flooding is possible over western NM.

Isolated severe storms with damaging winds/hail possible over eastern OK into AR.

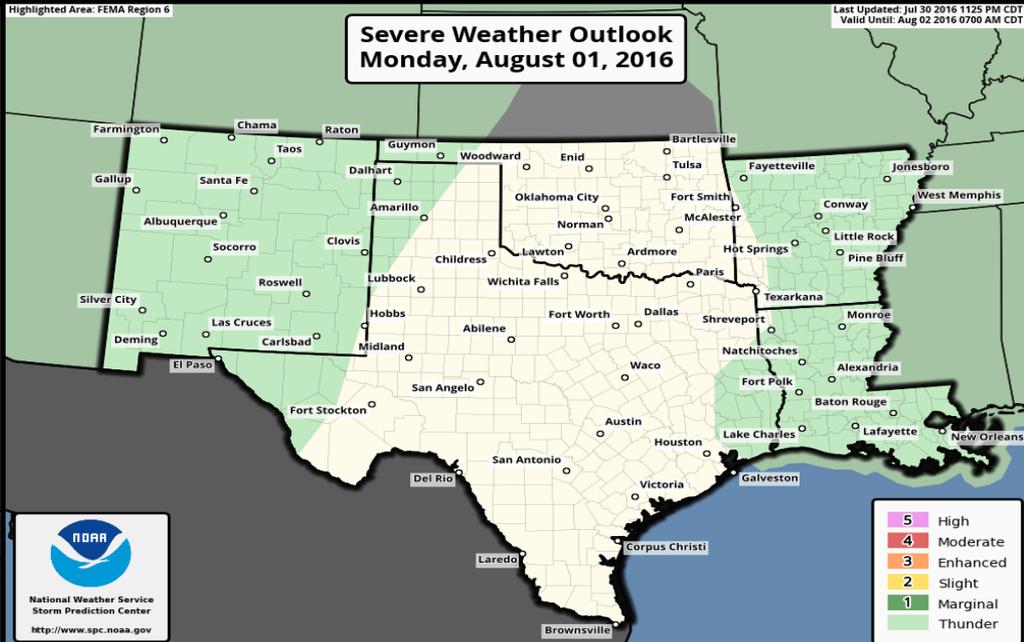
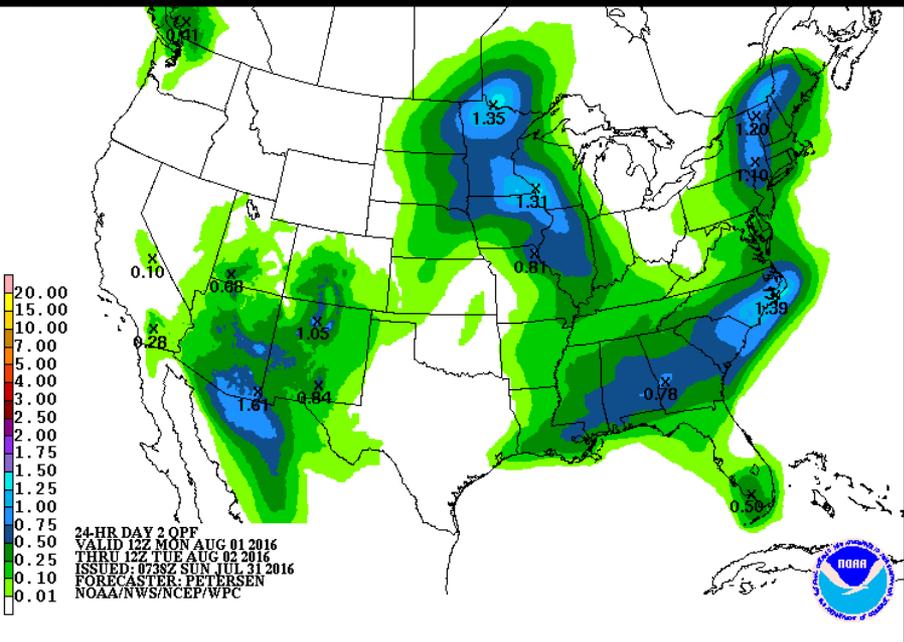


Tomorrow's Weather



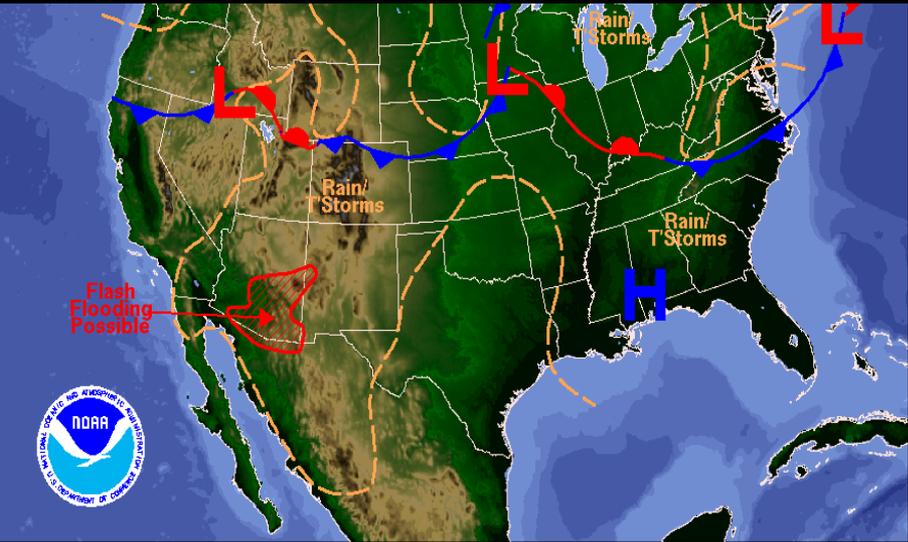
Weather Forecast for Mon, Aug 01, 2016, issued 4:51 AM EDT Sun, Jul 31, 2016
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Santorelli based on WPC, SPC and NHC forecasts

Isolated flash flooding is possible over western NM.

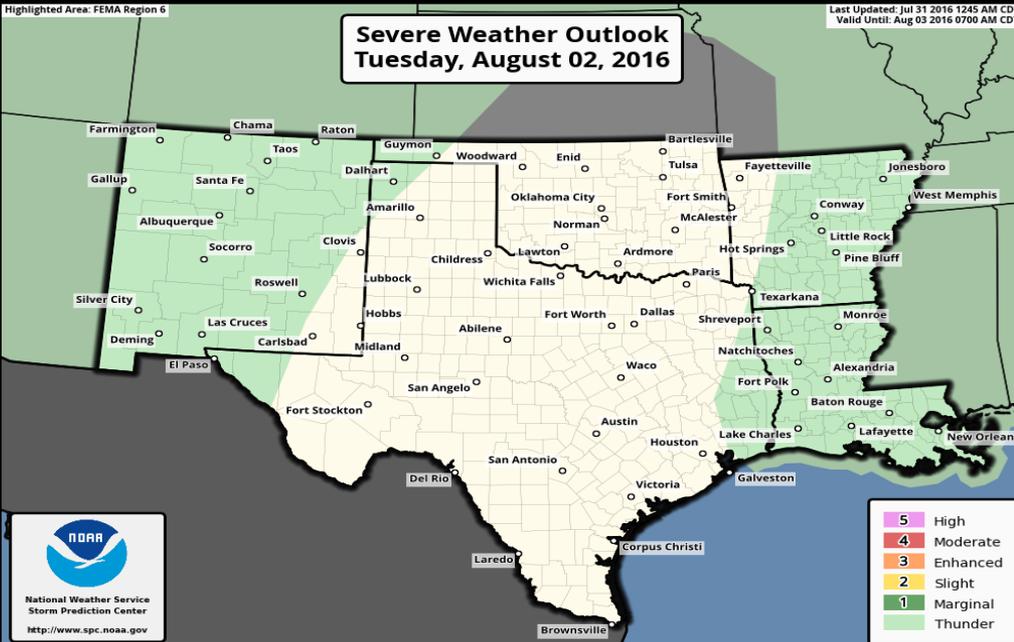
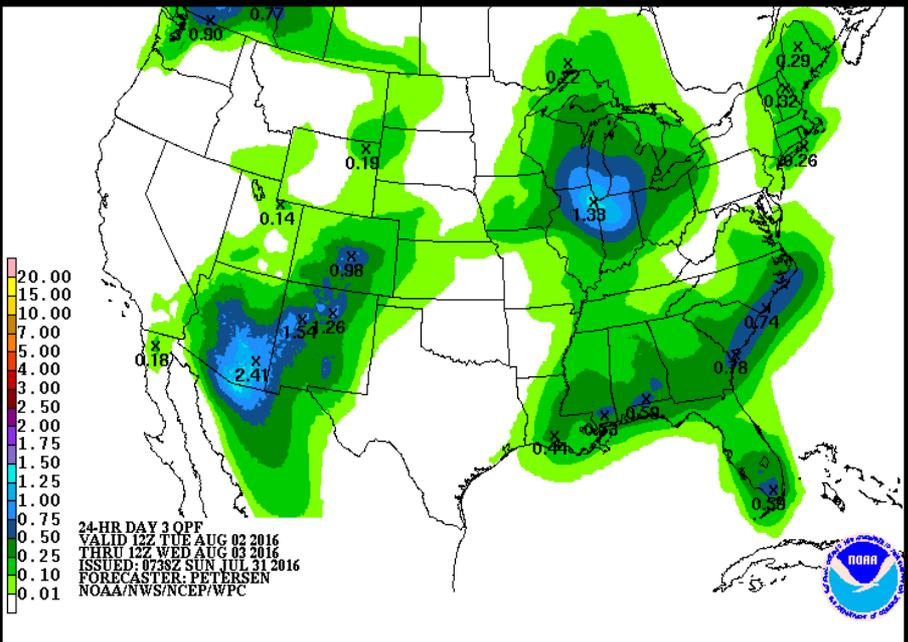


Tuesday's Weather

Isolated flash flooding is possible over western NM.



Weather Forecast for Tue, Aug 02, 2016, issued 4:53 AM EDT Sun, Jul 31, 2016
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Santorelli based on WPC, SPC and NHC forecasts

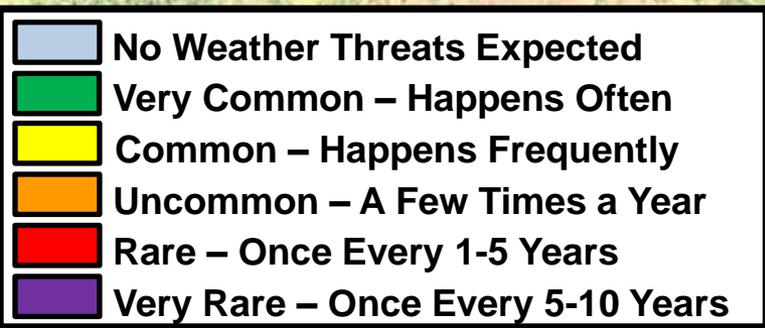


Day 4-5 Weather Hazards

Valid: 0800 Wed - 0800 Fri



Isolated
flash
flooding
possible

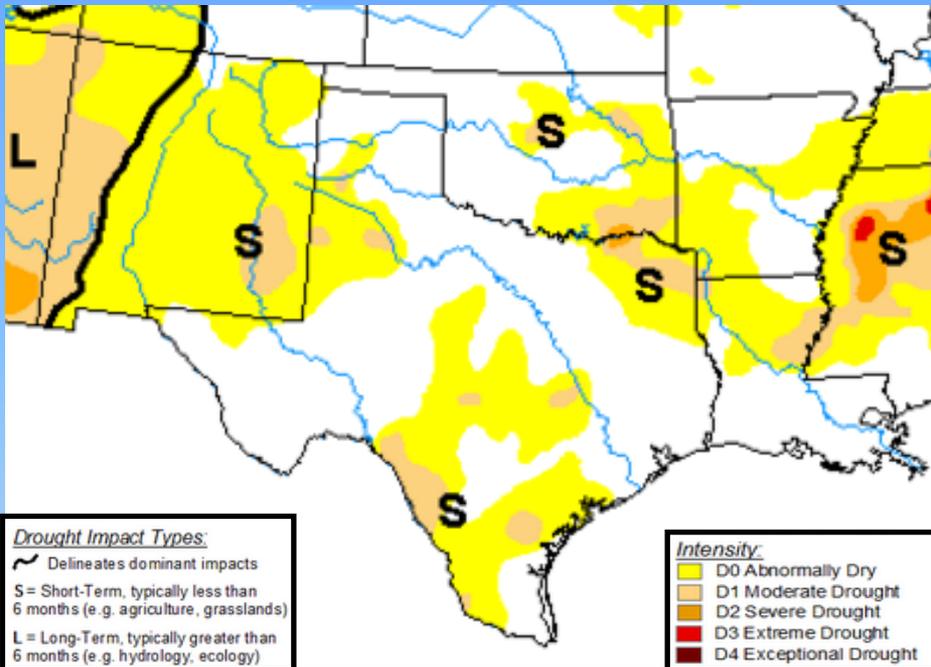


*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.



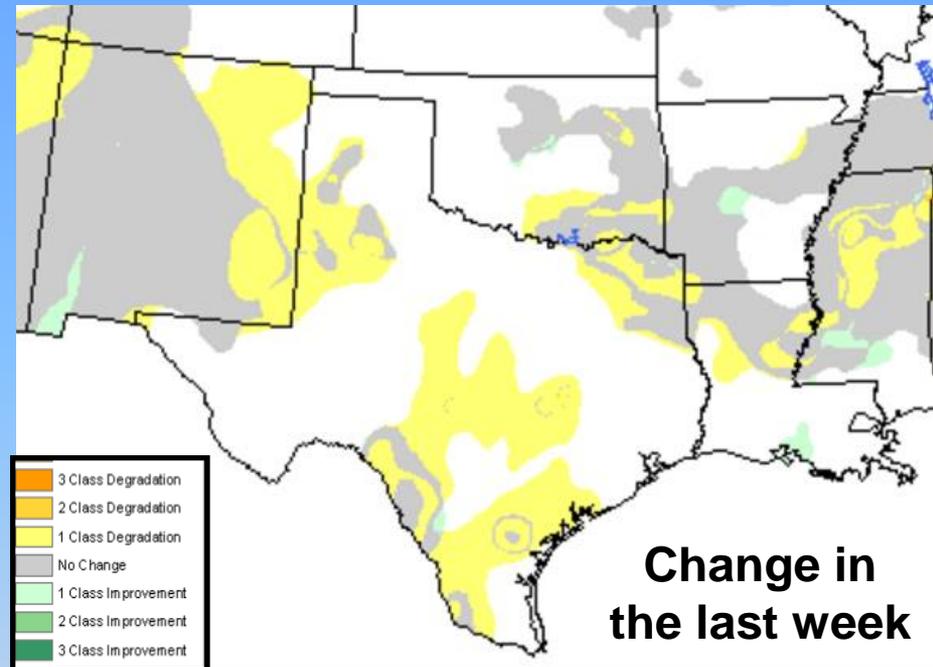
Drought Monitor Released July 28, 2016

Data valid as of 7am CDT, Tuesday July 26 2016



Drought Impact Types:
 ~ Delineates dominant impacts
 S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
 L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:
 Yellow D0 Abnormally Dry
 Orange D1 Moderate Drought
 Red-Orange D2 Severe Drought
 Red D3 Extreme Drought
 Dark Red D4 Exceptional Drought



3 Class Degradation
 2 Class Degradation
 1 Class Degradation
 No Change
 1 Class Improvement
 2 Class Improvement
 3 Class Improvement

Change in the last week

Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)				
State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	0.00%	0.00%
Texas	0.00%	0.00%	0.00%	0.00%
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
New Mexico	0.00%	0.00%	0.00%	0.00%

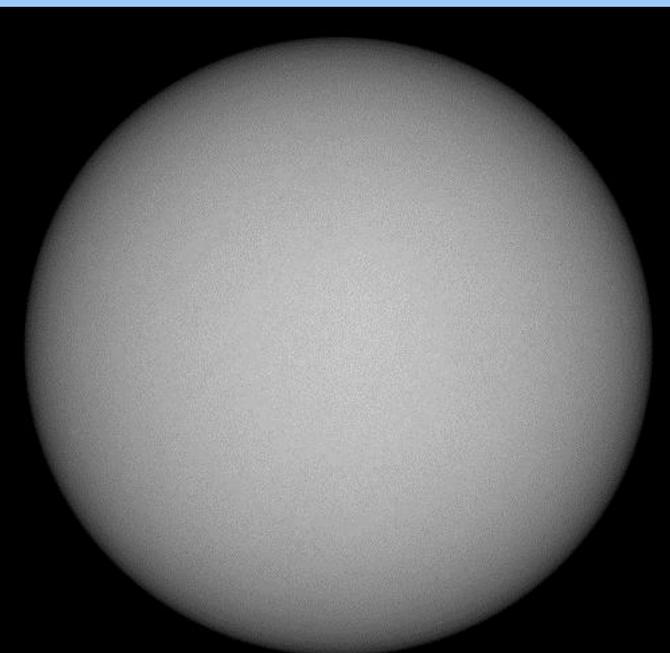
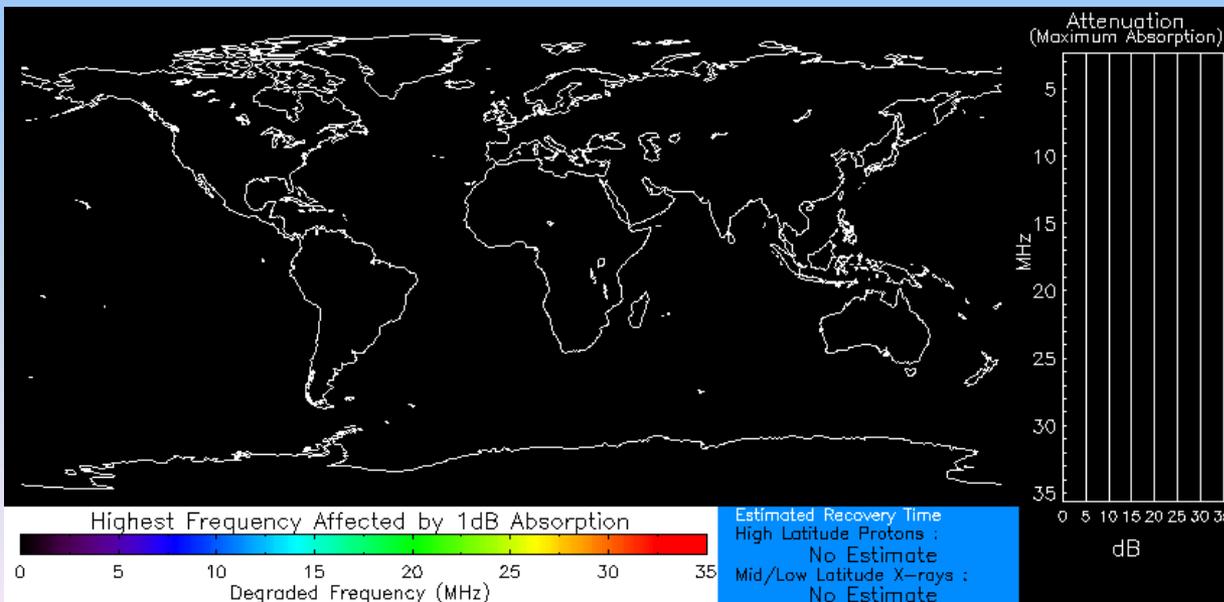
Space Weather 3-Day Forecast



	Sunday	Monday	Tuesday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet to Active (Max Kp = 4)	Moderate (G2) Storm (Max Kp = 6)
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](#)



Normal X-ray Background
 Product Valid At : 2016-07-31 12:42 UTC

Normal Proton Background
 NOAA/SWPC Boulder, CO USA

2016-07-31 12:10:00 UTC

Information provided by:



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Web: <http://www.srh.noaa.gov>

facebook

<https://www.facebook.com/NWSSouthern> (**NEW link!!**)

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@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	<p>Very Common</p> <p>Safety: Rarely a Direct Threat to Life and Property</p> <p>Impact Potential: Typically Results in Little Inconvenience to Daily Routines</p>	<p>Severe: Marginal Risk from SPC</p> <p>Flooding: Minor flooding expected over localized areas</p> <p>Tropical: None</p> <p>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>Somewhat Common – Happens Frequently</p> <p>Safety: Rarely a Direct Threat to Life and Property</p> <p>Impact Potential: Typically Results in Some Inconvenience to Daily Life</p>	<p>Severe: Slight Risk from SPC</p> <p>Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas</p> <p>Tropical: A weak tropical wave expected to move towards or near any coastline</p> <p>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>Uncommon – A Few Times a Year</p> <p>Safety: Often Threatening to Life and Property, Some Damage Unavoidable</p> <p>Impact Potential: Typically Results in Minor Disruption to Daily Life</p>	<p>Severe: Enhanced Risk from SPC</p> <p>Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas</p> <p>Tropical: A Tropical Storm expected to move towards or near any coastline</p> <p>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>Rare – Once every 1-5 Years</p> <p>Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed</p> <p>Impact Potential: Will likely result in Large Disruption to Daily Life</p>	<p>Severe: Moderate Risk from SPC</p> <p>Flooding: Moderate flooding expected over a widespread area (including urban locations)</p> <p>Tropical: A Hurricane expected to move towards or near any coastline</p> <p>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>Very Rare – Once Every 5-10 Years</p> <p>Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed</p> <p>Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life</p>	<p>Severe: High Risk from SPC</p> <p>Flooding: Major flooding expected over a widespread area (including urban locations)</p> <p>Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline</p> <p>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