



Abnormal Heat Again This Week

September 13, 2026
3:35 PM

Heat Advisory to be in effect Monday and Tuesday



Key Messages

- **Heat Advisory** in effect Monday and Tuesday for much of the area, except for portions of central MO.
- Highs in the middle 90s to around 100 degrees will challenge climate records.
- Maximum heat index values around 100 to 105°.
- Lows in the middle to upper 70s will provide minimal heat relief.
- Additionally, a **Marginal (1 of 5) Risk** exists for a few portions of the area on Tuesday

NEW

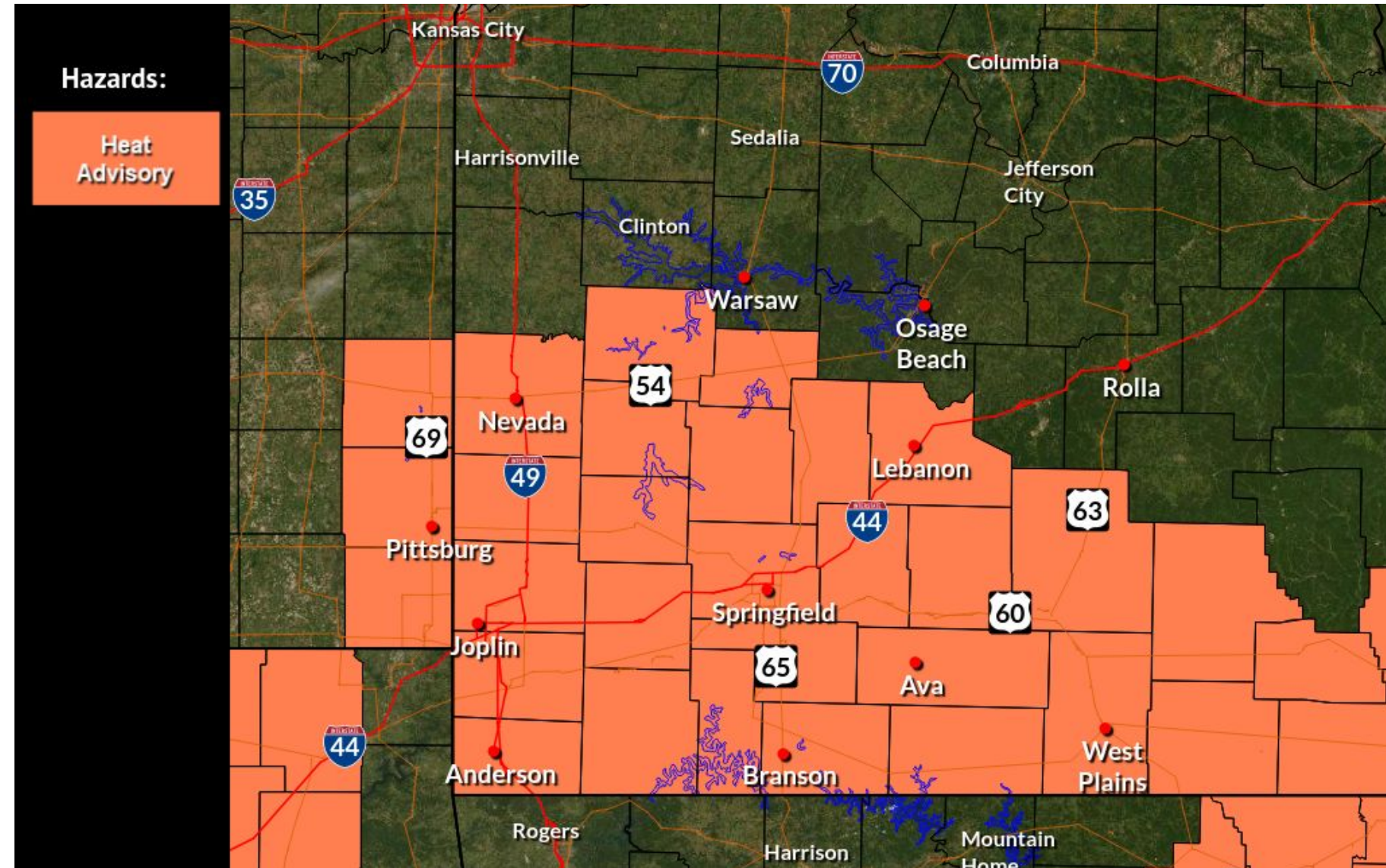
Important Updates

- Initial Heat Advisory Issuance



Next Scheduled Briefing

- Monday Afternoon



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

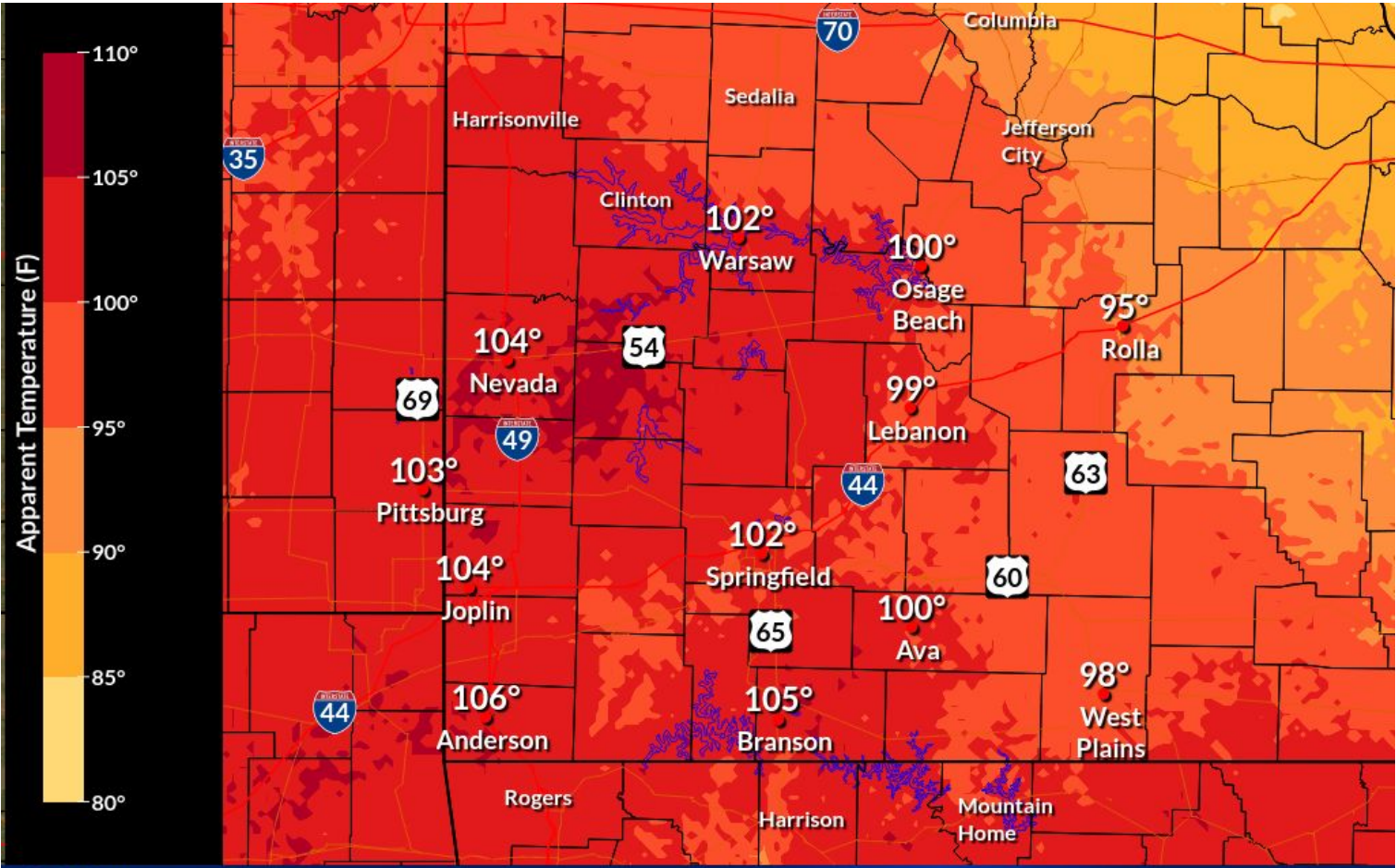
National Weather Service
Springfield, MO



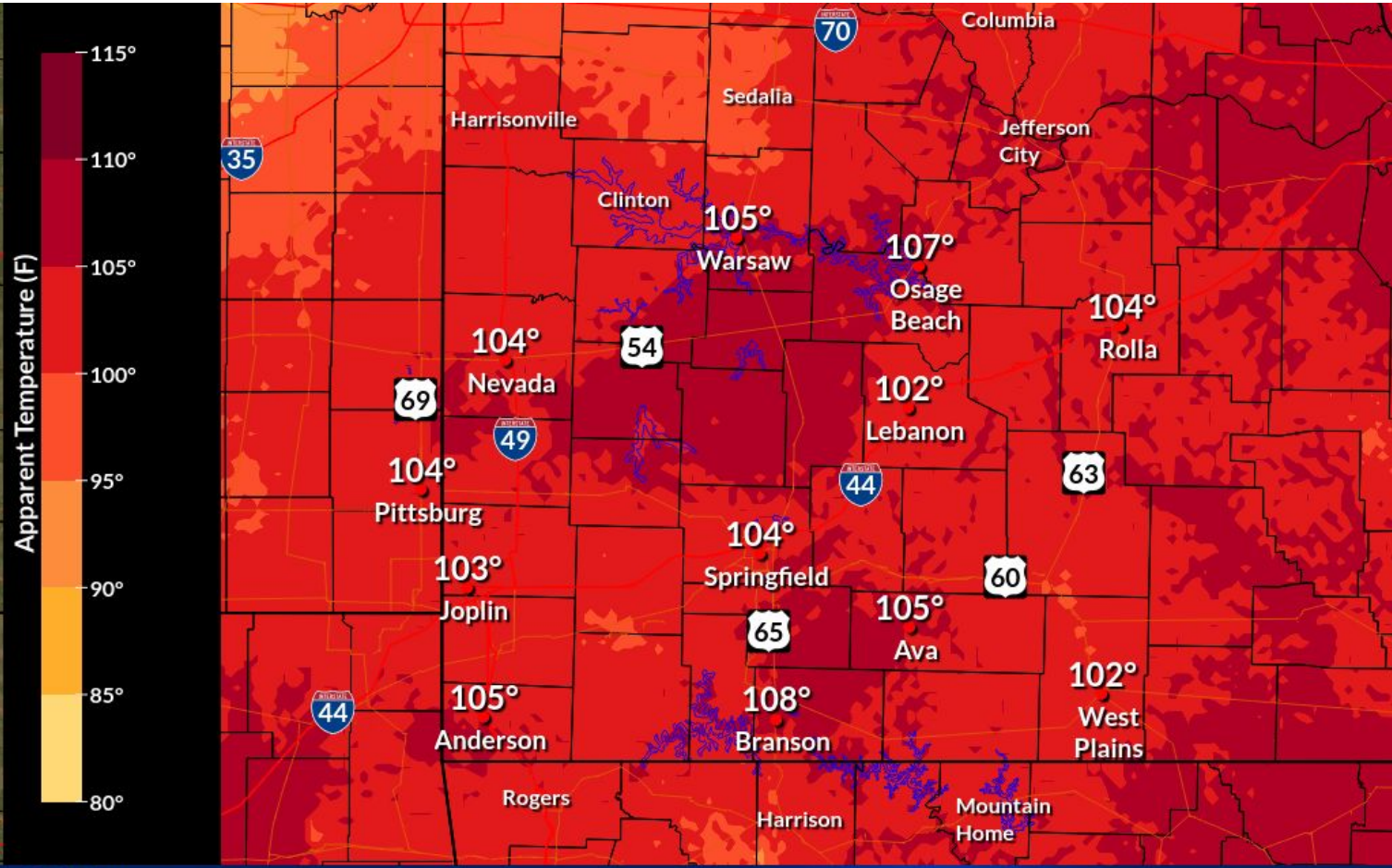
Maximum Heat Index

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Monday and Tuesday



Heat Index Monday



Heat Index Tuesday



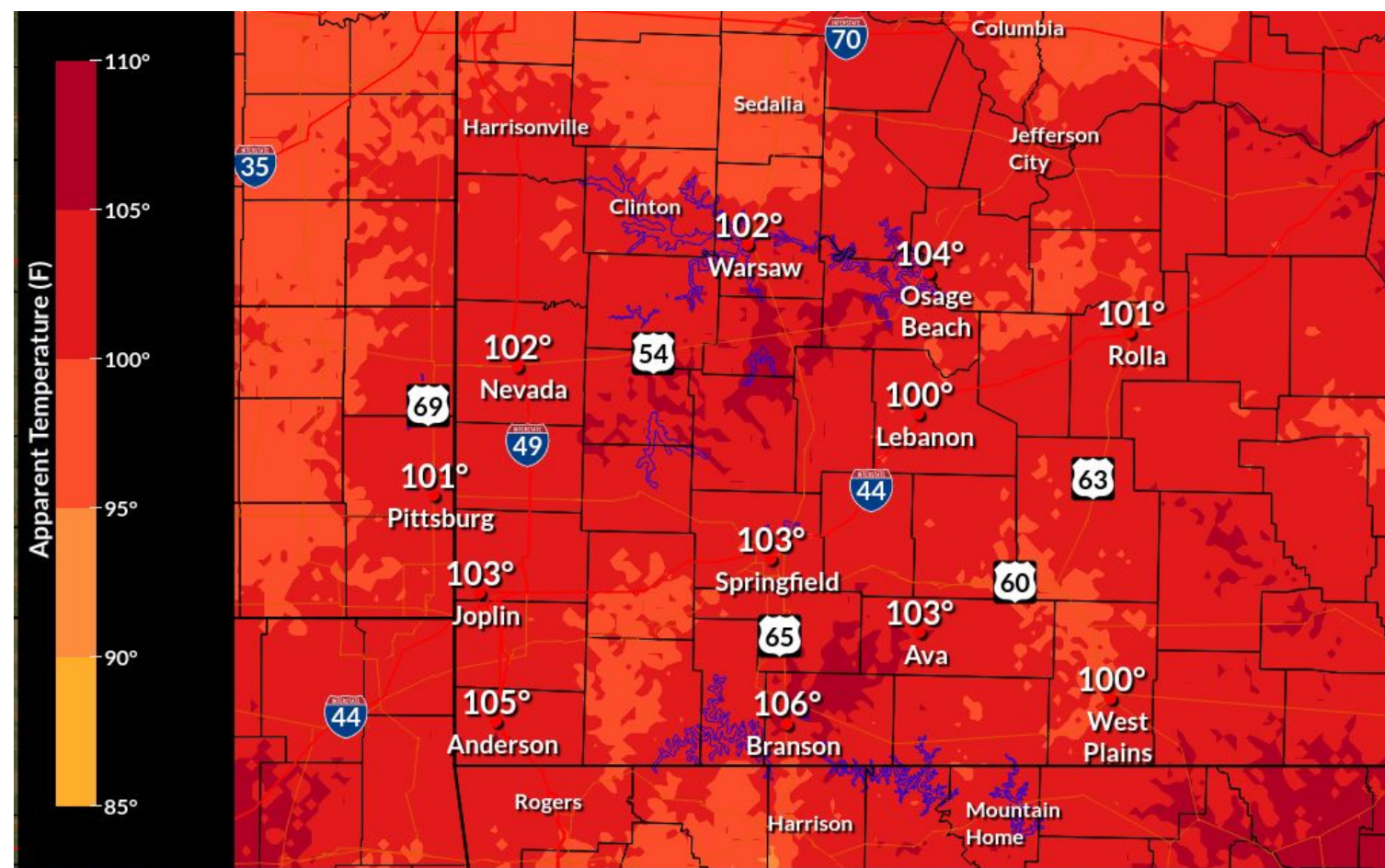


Maximum Heat Index

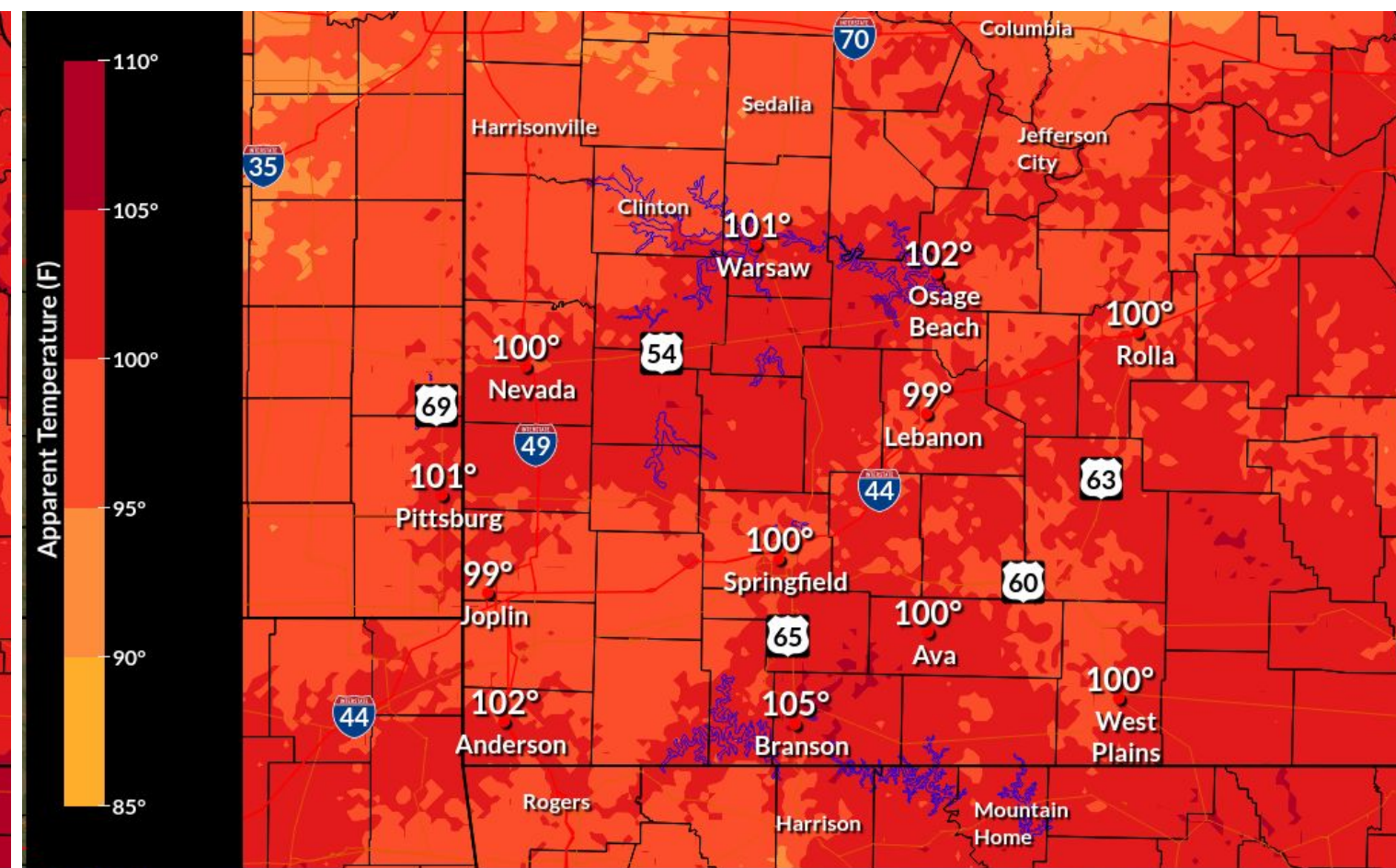
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Wednesday and Thursday

For Situational Awareness. A Heat Advisory is not currently in effect for this time period



Heat Index Wednesday



Heat Index Thursday





Understanding Heat Index

Heat Index		
Classification	Heat Index (°F)	Effect on the Body
Caution	80 to 89	Fatigue possible with prolonged exposure and/or physical activity.
Extreme Caution	90 to 102	Heat stroke, heat cramps or heat exhaustion possible with prolonged exposure and/or physical activity.
Danger	103 to 124	Heat cramps or heat exhaustion likely, and heat stroke possible with prolonged exposure and/or physical activity.
Extreme Danger	125 or higher	Heatstroke highly likely with continued exposure.
<i>Heat Index is the most commonly used and understood heat tool by the general public. The higher the values the hotter it's going to feel and the higher the threat for heat related illnesses. It's calculated from the temperature and relative humidity. Heat Index assumes you are in the shade. The Heat Index or the "Apparent Temperature" is an accurate measure of how hot it really feels when the Relative Humidity (RH) is added to the actual air temperature.</i>		

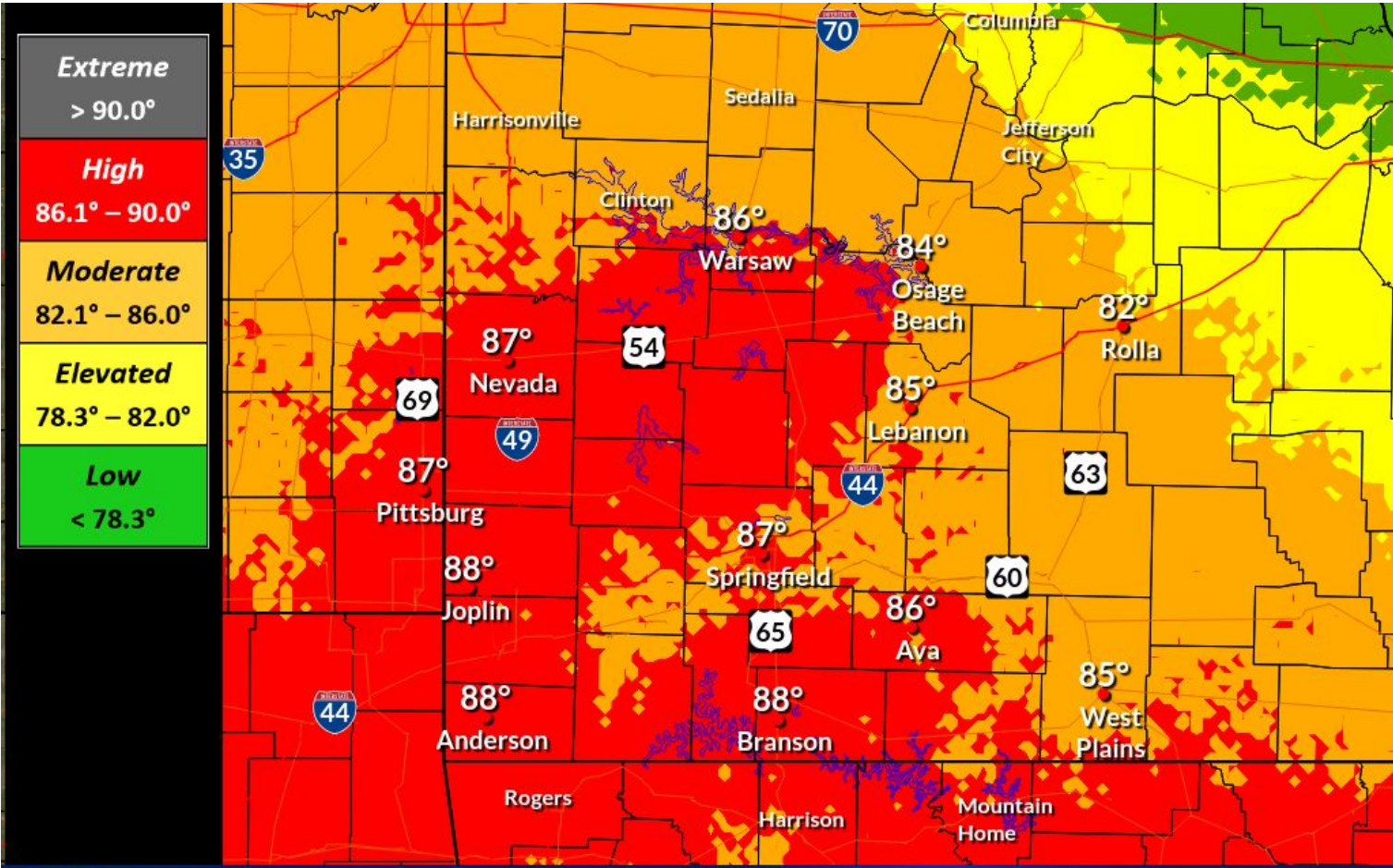




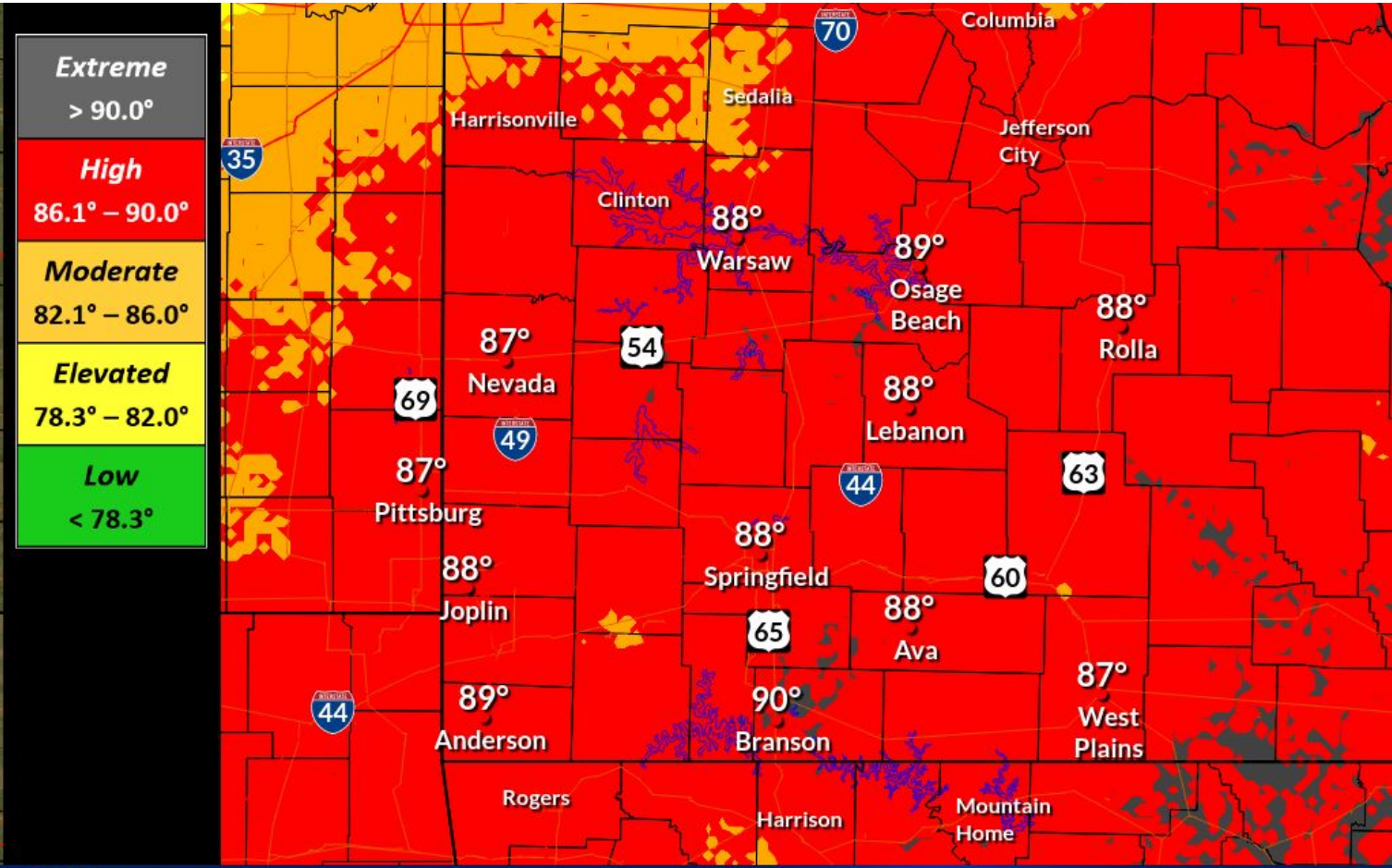
Maximum Wet Bulb Globe Temperatures

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Monday and Tuesday



Wet Bulb Globe Temperature Monday



Wet Bulb Globe Temperature Tuesday



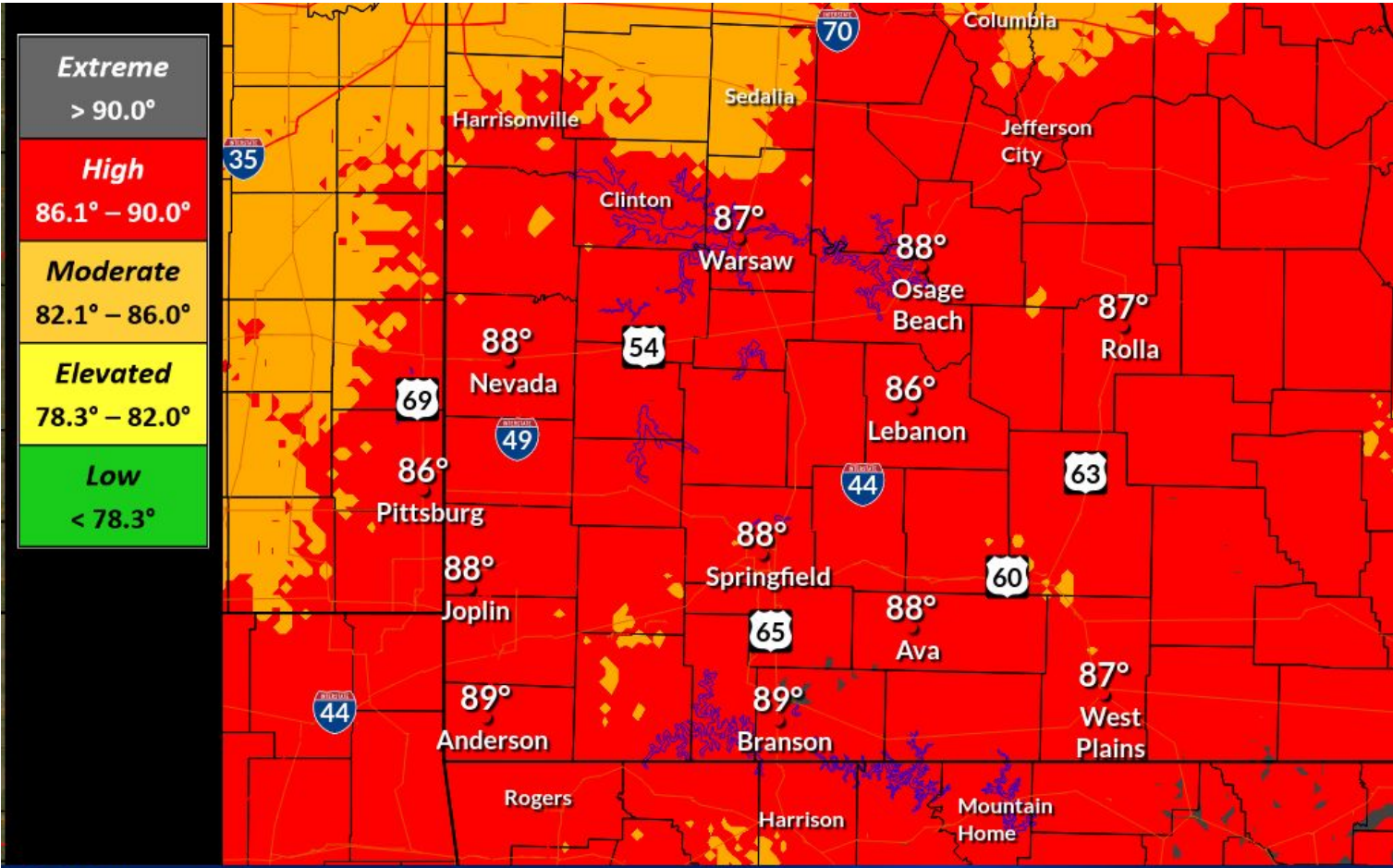


Maximum Wet Bulb Globe Temperatures

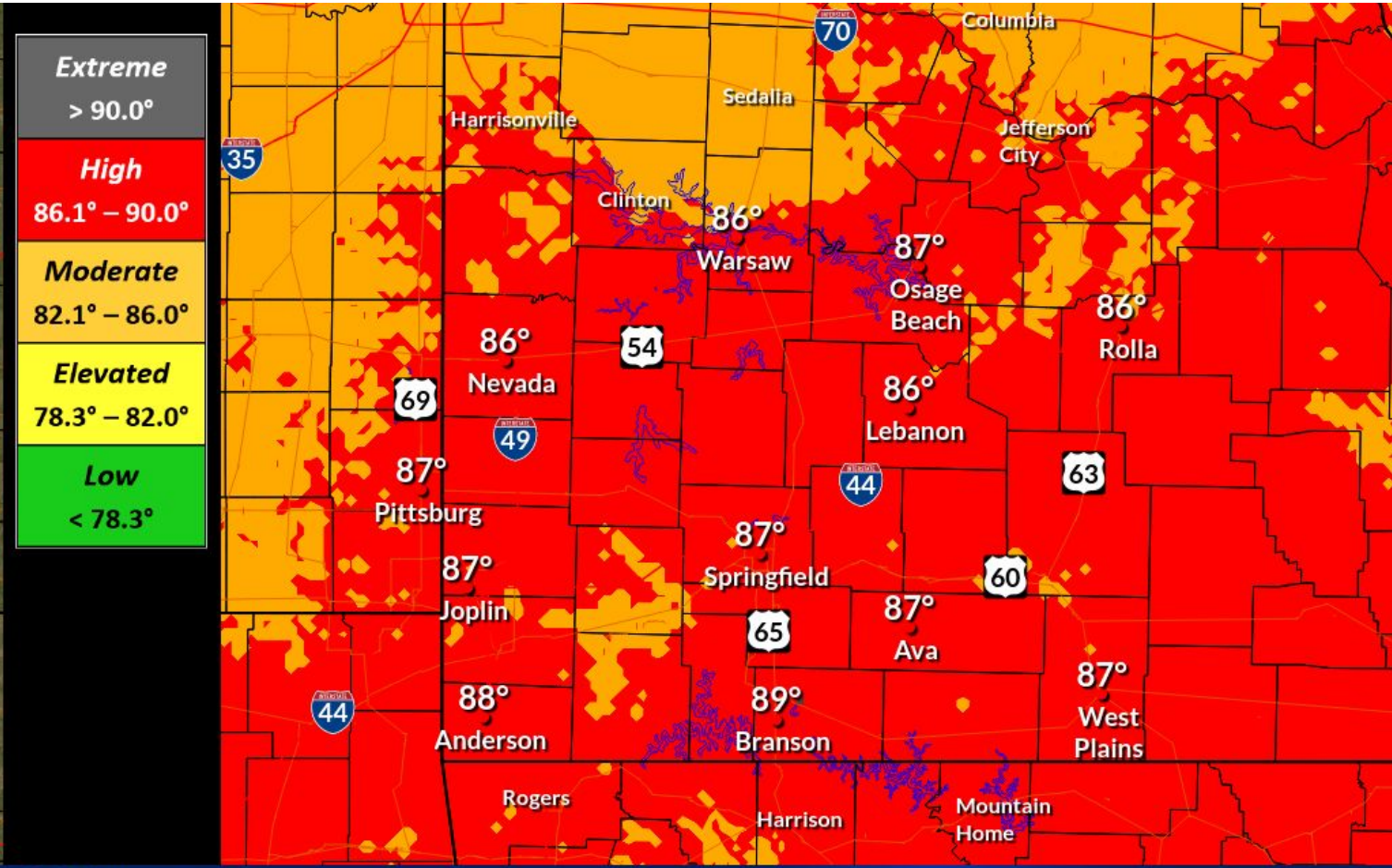
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Wet Bulb Globe Wednesday



Wet Bulb Globe Temperature Thursday





Understanding Wet Bulb Globe Temperature

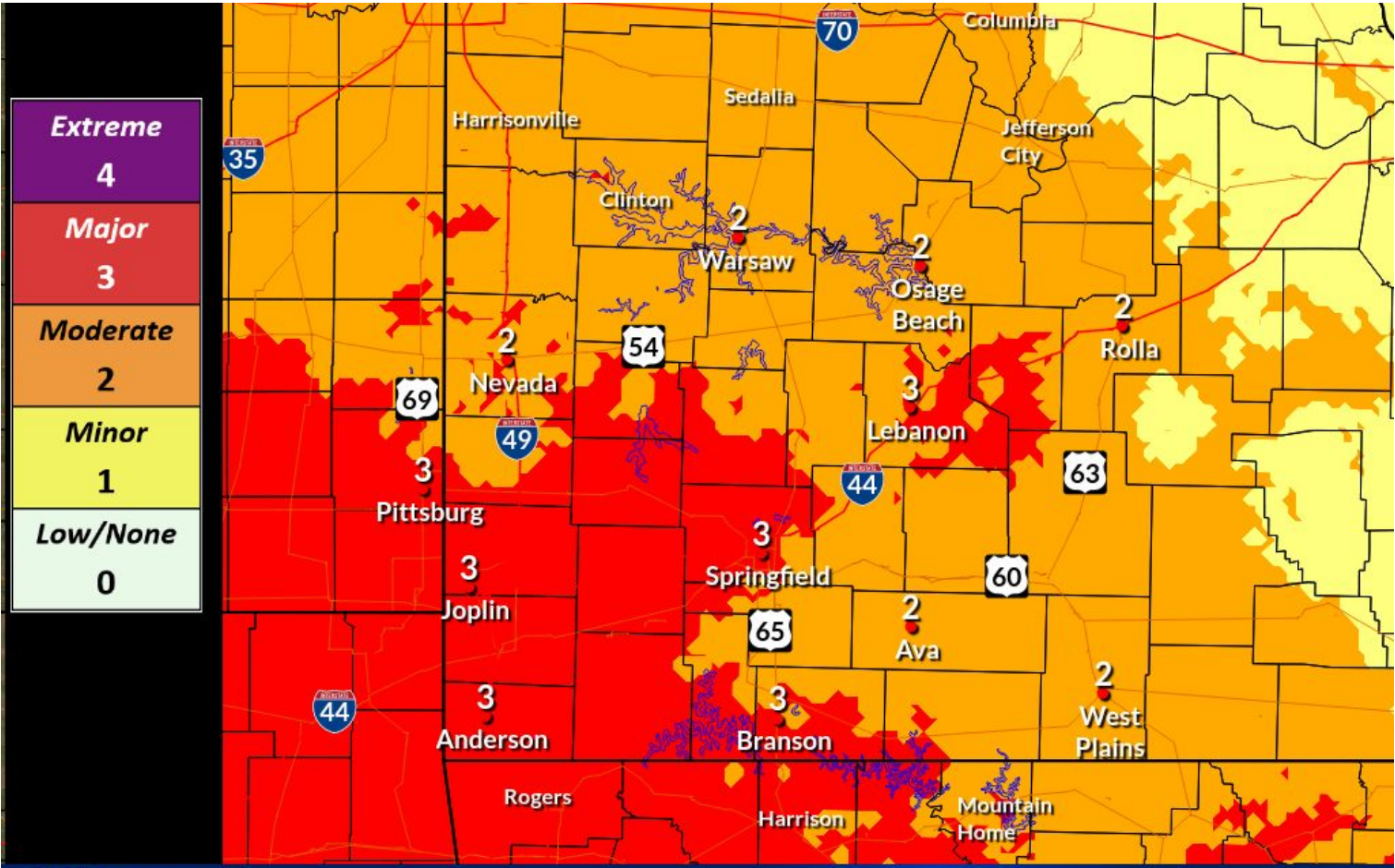
Wet Bulb Globe Temperature (WBGT)			
Threat Level	WBGT (°F)	Effects	Call to Actions
Low	< 78.3	Normal activities.	Take at least 3-5 minutes of breaks each hour if working or exercising in direct sunlight.
Elevated	78.3 – 82.0	Working or exercising in direct sunlight will stress your body after 45 minutes.	Take at least 15 minutes of breaks each hour if working or exercising in direct sunlight.
Moderate	82.1 – 86.0	Working or exercising in direct sunlight will stress your body after 30 minutes.	Take at least 30 minutes of breaks each hour if working or exercising in direct sunlight.
High	86.1 – 90.0	Working or exercising in direct sunlight will stress your body after 20 minutes.	Take at least 40 minutes of breaks each hour if working or exercising in direct sunlight.
Extreme	> 90.0	Working or exercising in direct sunlight will stress your body after 15 minutes.	Take at least 45 minutes of breaks each hour if working or exercising in direct sunlight.
<i>Wet Bulb Globe Temperature (WBGT) is a measure of the heat stress in direct sunlight, which takes into account: temperature, humidity, wind speed, sun angle and cloud cover (solar radiation). This differs from the heat index, which takes into consideration temperature and humidity and is calculated for shady areas. a particularly effective indicator of heat stress for active populations such as outdoor workers and athletes. Always check with local officials for appropriate actions and activity levels. Experienced heat stress will depend upon duration and intensity of activity and personal health and vulnerability.</i>			



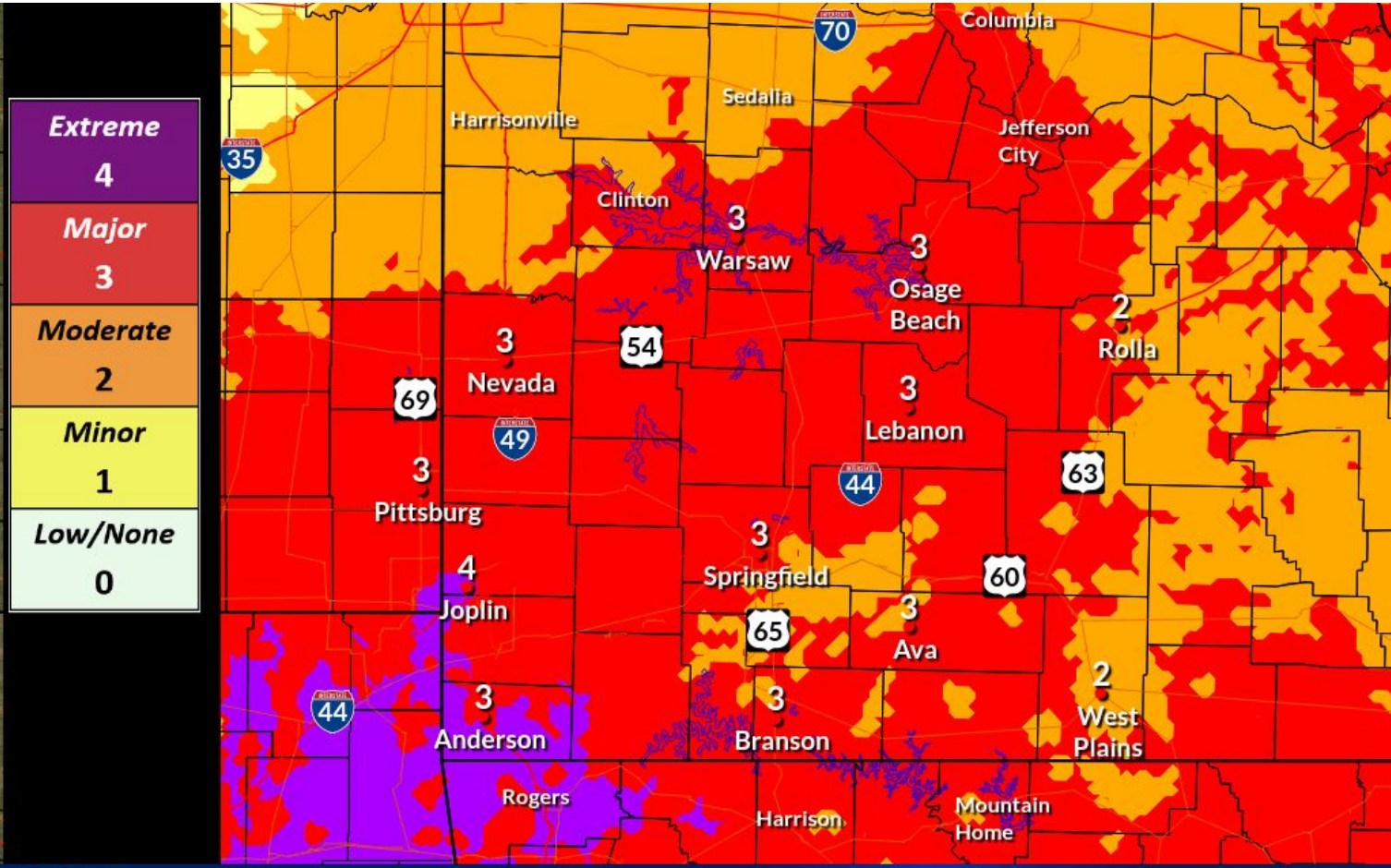
NWS HeatRisk

Monday and Tuesday

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NWS HeatRisk Monday



NWS HeatRisk Tuesday



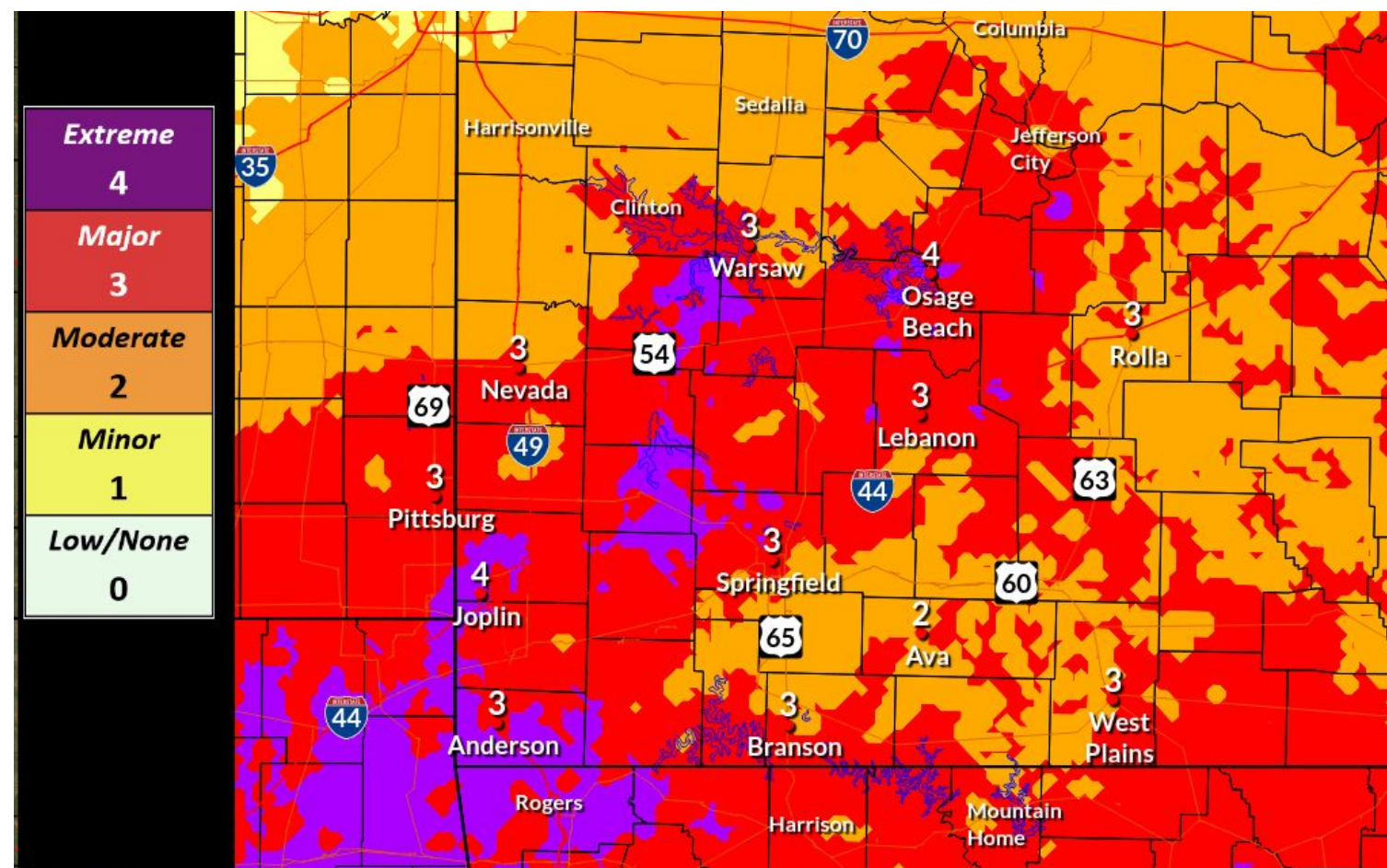


NWs HeatRisk

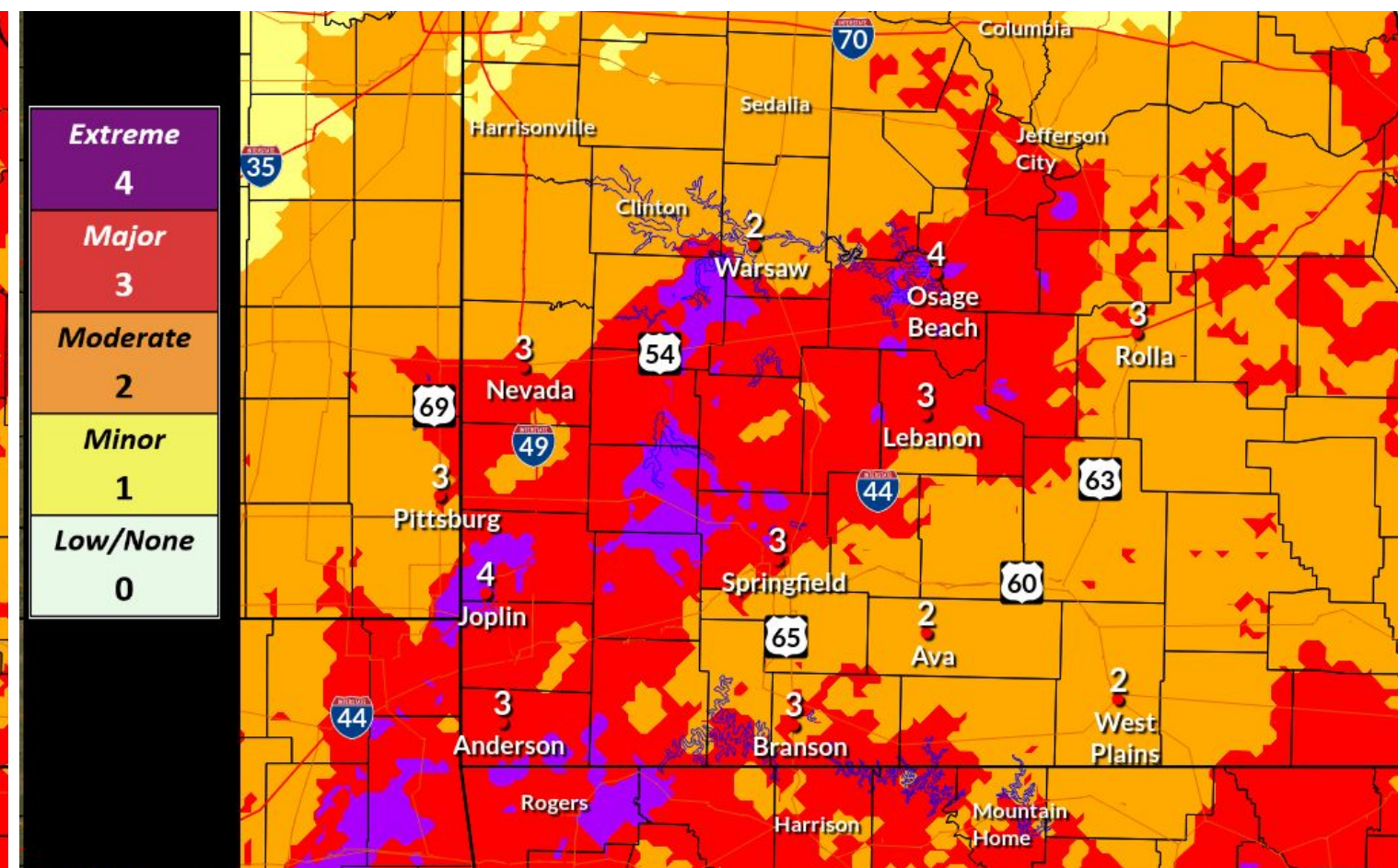
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NWS HeatRisk Wednesday



NWS HeatRisk Thursday





Understanding NWS HeatRisk

NWS HeatRisk		
Category		Risk of Heat-Related Impacts
0	Low/None	Little to no risk from expected heat.
1	Minor	Primarily affects individuals extremely sensitive to heat, especially when outdoors without effective cooling and/or adequate hydration.
2	Moderate	Affects most individuals sensitive to heat, especially when outdoors without effective cooling and/or adequate hydration. Impacts possible in some health systems and in heat-sensitive industries.
3	Major	Affects anyone without effective cooling and/or adequate hydration. Impacts likely in some health systems, heat-sensitive industries, and infrastructure.
4	Extreme	Rare and/or long duration extreme heat with little to no overnight relief. Affects anyone without effective cooling and/or adequate hydration. Impacts likely in most health systems, heat-sensitive industries, and infrastructure.
<i>The NWS HeatRisk is an experimental color-numeric-based index that provides a forecast risk of heat-related impacts to occur over a 24-hour period. HeatRisk takes into consideration: How unusual the heat is for the time of the year. The duration of the heat including both daytime and nighttime temperatures. If those temperatures pose an elevated risk of heat-related impacts based on data from the CDC.</i>		





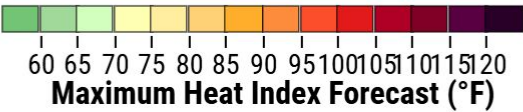
Daily Maximum Heat Tools By City

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Monday and Tuesday

Maximum Heat Index (°F) Forecast

	9/14 Mon				9/15 Tue			
	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Rolla	68	78	94	91	76	97	103	94
Fort Leonard Wood	68	82	97	95	77	100	104	95
West Plains	71	83	98	96	74	96	102	98
Osage Beach	70	82	101	99	83	100	106	101
Mountain Grove	71	86	96	95	76	94	102	98
Lebanon	69	85	99	96	78	96	102	97
Warsaw	67	79	104	101	84	98	106	102
Bolivar	69	90	104	99	79	97	106	102
Springfield	74	90	101	98	79	96	105	100
Branson	75	92	105	101	83	100	108	104
Nevada	69	91	104	101	85	96	104	100
Monett	72	92	101	97	78	94	102	97
Joplin	74	93	104	101	87	95	103	102
Pittsburg, KS	72	93	103	103	85	94	104	101



Maximum Wetbulb Globe Temperature (°F) Forecast

	9/14 Mon				9/15 Tue			
	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Rolla	65	74	83	79	72	84	88	81
Fort Leonard Wood	66	76	84	81	73	86	88	81
West Plains	70	78	85	81	72	84	87	83
Osage Beach	67	76	85	83	76	85	89	84
Mountain Grove	69	79	85	81	72	83	88	83
Lebanon	67	77	85	81	73	83	88	82
Warsaw	66	77	86	84	76	85	89	84
Bolivar	68	80	86	83	75	84	88	84
Springfield	71	81	87	82	74	84	89	84
Branson	73	82	88	84	76	85	90	85
Nevada	68	81	87	84	76	83	87	83
Monett	70	81	86	82	74	82	87	82
Joplin	72	82	88	84	76	83	88	84
Pittsburg, KS	70	82	87	84	76	82	87	84



Maximum HeatRisk Forecast

	9/14 Mon				9/15 Tue			
	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Rolla	2	2	2	2	2	2	2	2
Fort Leonard Wood	3	3	3	3	3	3	3	3
West Plains	2	2	2	2	2	2	2	2
Osage Beach	2	2	2	2	3	3	3	3
Mountain Grove	2	2	2	2	3	3	3	3
Lebanon	3	3	3	3	3	3	3	3
Warsaw	2	2	2	2	3	3	3	3
Bolivar	2	2	2	2	3	3	3	3
Springfield	3	3	3	3	3	3	3	3
Branson	3	3	3	3	3	3	3	3
Nevada	2	2	2	2	3	3	3	3
Monett	3	3	3	3	3	3	3	3
Joplin	3	3	3	3	4	4	4	4
Pittsburg, KS	3	3	3	3	3	3	3	3





Heat Index $\geq 100^{\circ}$



Heat Index $\geq 105^{\circ}$



Heat Index $\geq 110^{\circ}$



Confidence Details

- The hottest conditions will be across southeastern Kansas and southwestern Missouri Monday, then across much of the area Tuesday.
- If the warm front moves through the area quicker on Monday/Tuesday, additional counties may need to be added to the Heat Advisory
- Depending on how the upper-level ridge evolves, extensions in time of the Heat Advisory may be warranted.
- While some locations may not see Heat Index values $>105^{\circ}$ F, abnormal heat for this time of year combined with minimal heat relief will result in Moderate to Major Heat-Related risks, especially to those that already experienced the persistent heat of the last few weeks.



Show and Thunderstorm Chances This Week

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Marginal (1 of 5) Risk for severe weather Tuesday

A stalled cold front across northern Kansas and Missouri will result in very isolated to scattered shower and thunderstorm chances each day this week, mainly northwest of I-44.

Generally between 12 and 9 PM each day

On Tuesday, there is a Marginal (1 of 5) Risk for any isolated storm to become severe for portions of SE Kansas and west-central Missouri.

Winds

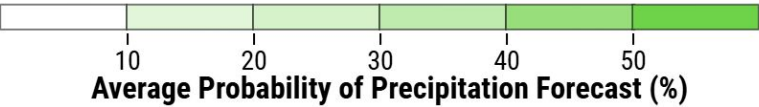


Up to 40 to 60 mph

Remain Weather Aware!

Average Probability of Precipitation (%) Forecast

	9/14 Mon			9/15 Tue			9/16 Wed			9/17 Thu			9/18 Fri		
	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Warsaw	15	10	5	0	5	20	35	20	15	15	5	5	15	15	10
Osage Beach	20	10	10	0	5	40	45	15	10	20	10	5	15	25	10
Nevada	10	10	5	0	5	15	35	20	15	15	5	10	15	15	5
Rolla	10	10	5	0	0	40	40	10	5	15	10	5	5	25	15
Bolivar	10	15	5	0	5	15	25	10	0	20	10	5	5	15	10
Pittsburg, KS	5	10	5	0	0	5	20	10	5	10	5	5	10	15	5
Lebanon	10	15	5	0	5	30	30	10	5	15	10	5	10	30	15
Fort Leonard Wood	10	10	5	0	5	30	35	10	5	15	10	5	5	35	20
Joplin	5	10	5	0	0	5	10	5	0	10	5	5	5	10	5
Springfield	10	15	5	0	0	10	10	5	0	10	5	5	5	15	10
Monett	10	15	5	0	0	5	10	5	0	10	5	5	0	10	10
Mountain Grove	10	10	5	0	0	10	5	0	0	10	5	0	5	20	15
Branson	10	15	5	0	0	5	5	0	5	10	5	0	5	10	5
West Plains	10	10	5	0	0	5	5	0	0	5	5	0	5	15	5





Additional Resources

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For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [CPC Day 8 to 14 Risk of Hazardous Temperatures](#)
- [Week 2 Global Probabilistic Extreme Forecast Tool](#)
- [Wet Bulb Globe and Heat Index Forecasts](#)
- [Experimental HeatRisk Forecast](#)
- [Wet Bulb Globe Temperature and Heat Index Information](#)
- [Missouri Cooling Centers Map](#)
- [NWS Heat Safety](#)
- [NWS Heat Tools Reference Sheet](#)

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Heat Exhaustion	Heat Stroke
ACT FAST - Move to a cooler area - Loosen clothing - Sip cool water - Seek medical help if symptoms don't improve	ACT FAST CALL 911 - Move person to a cooler area - Loosen clothing and remove extra layers - Cool with water or ice
Symptoms: - Dizziness - Thirst - Heavy Sweating - Nausea - Weakness	Symptoms: - Confusion - Dizziness - Becomes Unconscious
<i>Heat exhaustion can lead to heat stroke.</i>	
<i>Heat stroke can cause death or permanent disability if emergency treatment is not given.</i>	



Stay Cool, Stay Hydrated, Stay Informed!



Heat Impacts: Vulnerable Populations

PREGNANT	NEWBORNS	CHILDREN	ELDERLY	CHRONIC ILLNESS
Everyone is at risk from the dangers of extreme heat, but these groups are more vulnerable than most. Age and certain conditions make the body less able to regulate temperature.				
NEVER leave anyone alone in a closed car		Drink plenty of water, even if not thirsty		
Use air conditioners and stay in the shade		Wear loose-fitting, light-colored clothing		

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Atmospheric Administration
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National Weather Service
Springfield, MO