



Abnormal Heat Again This Week

September 14, 2026
2:18 PM

Heat Advisory expanded into the entire area for Tuesday



Key Messages

- **Heat Advisory** expanded to the entire area for Tuesday.
- 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.

NEW

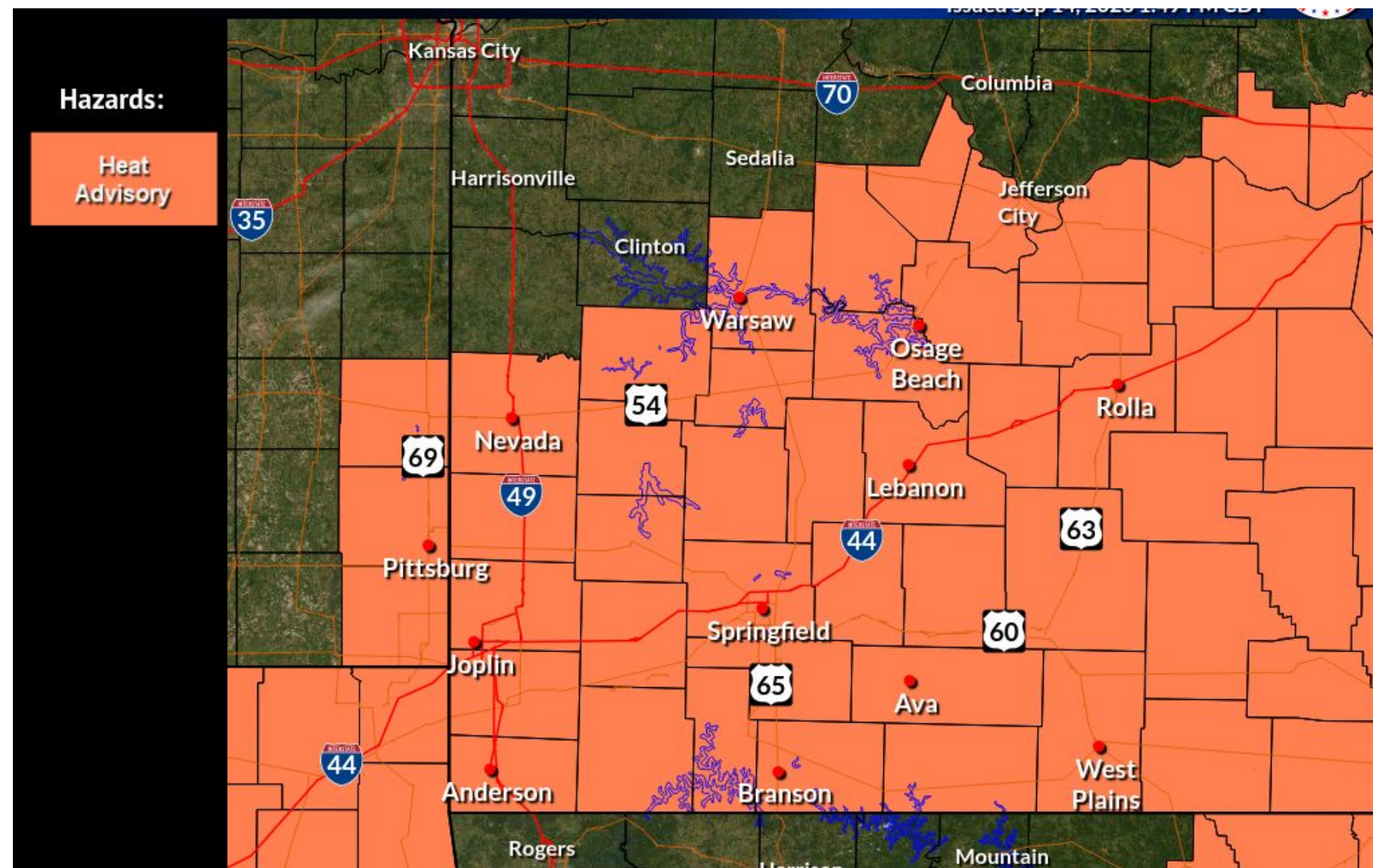
Important Updates

- Heat Advisory expanded to the entire area for Tuesday.



Next Scheduled Briefing

- Tuesday Afternoon if needed



Heat Advisory Tuesday



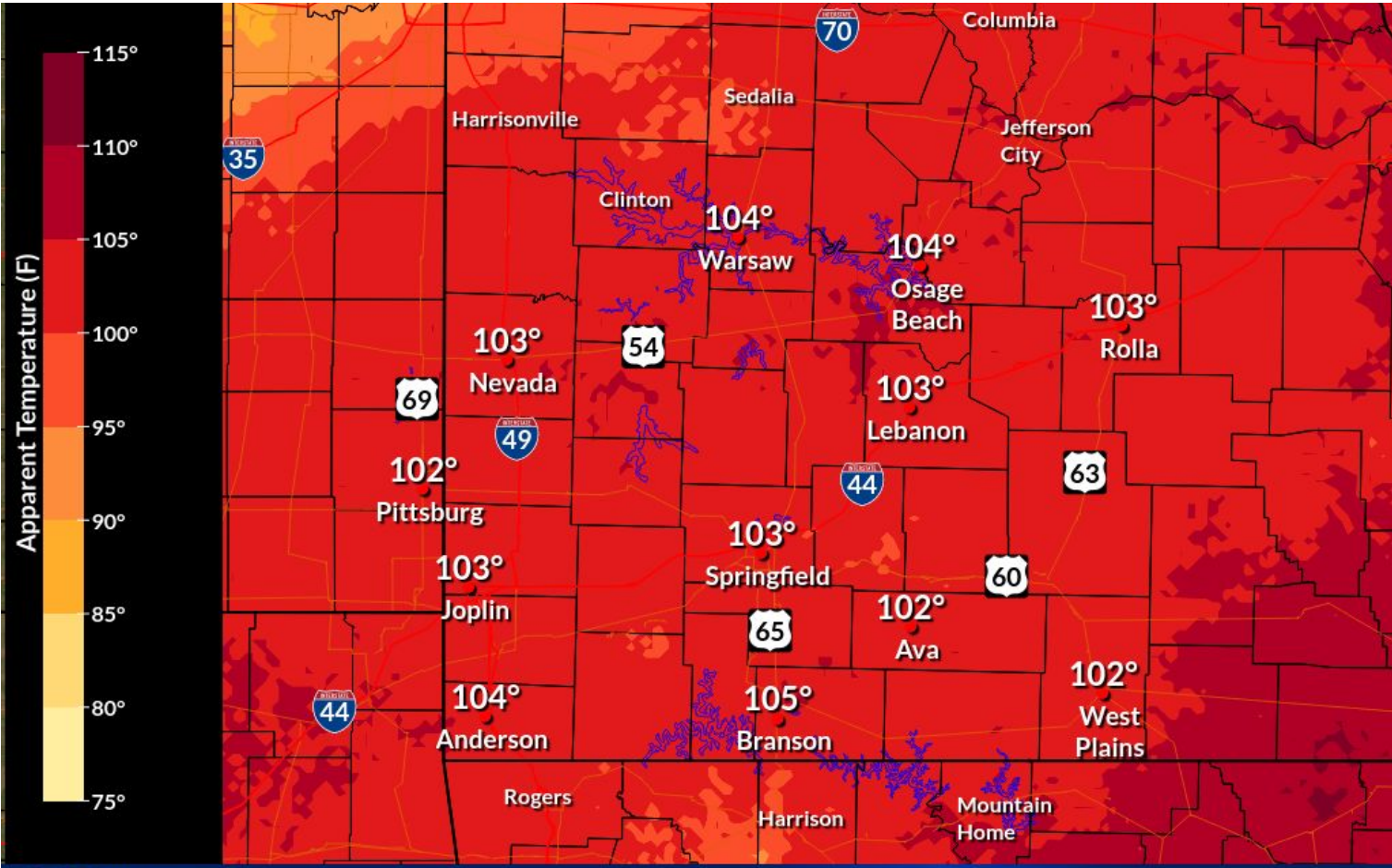
National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Springfield, MO

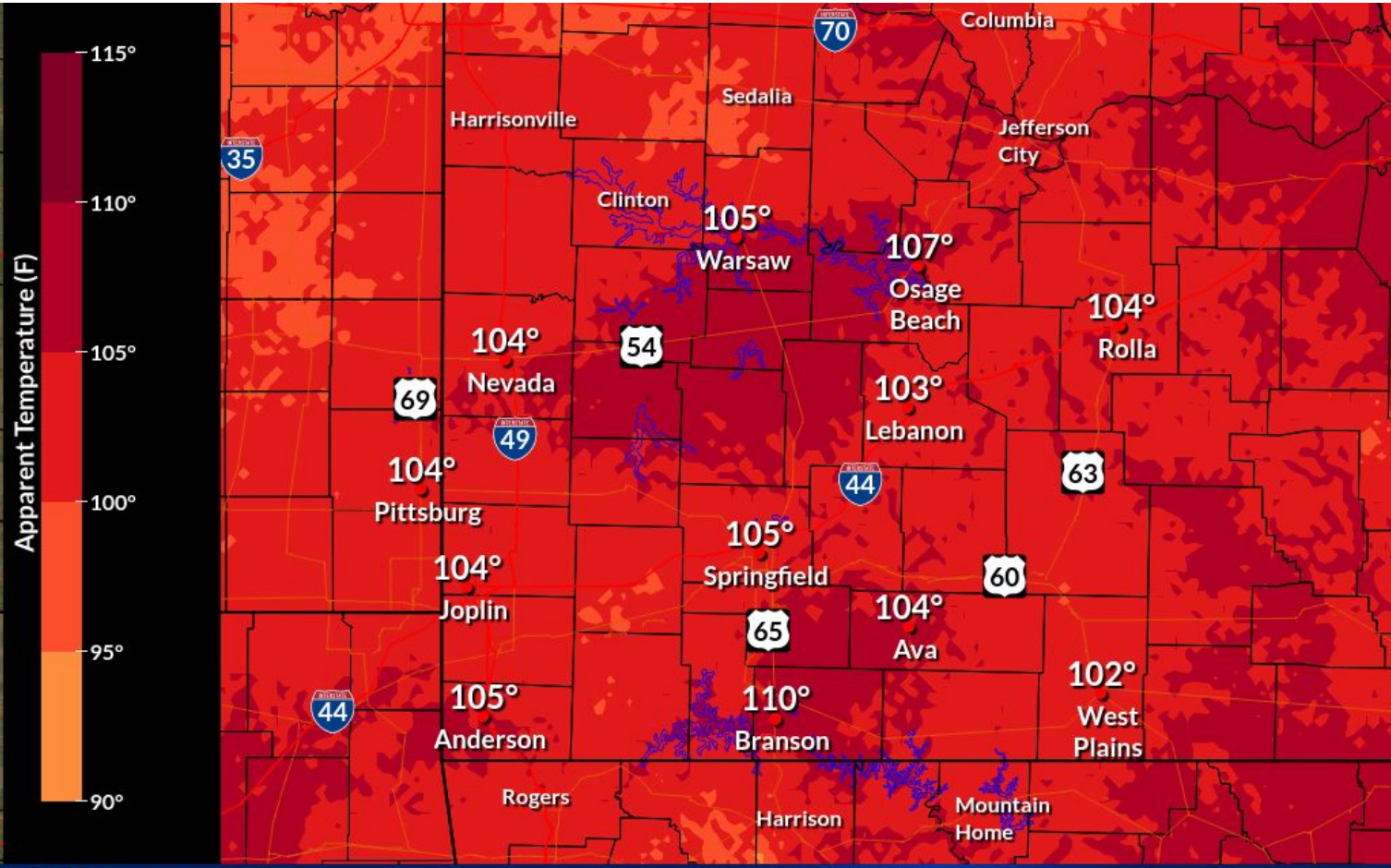


Maximum Heat Index

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Heat Index Tuesday



Heat Index Wednesday

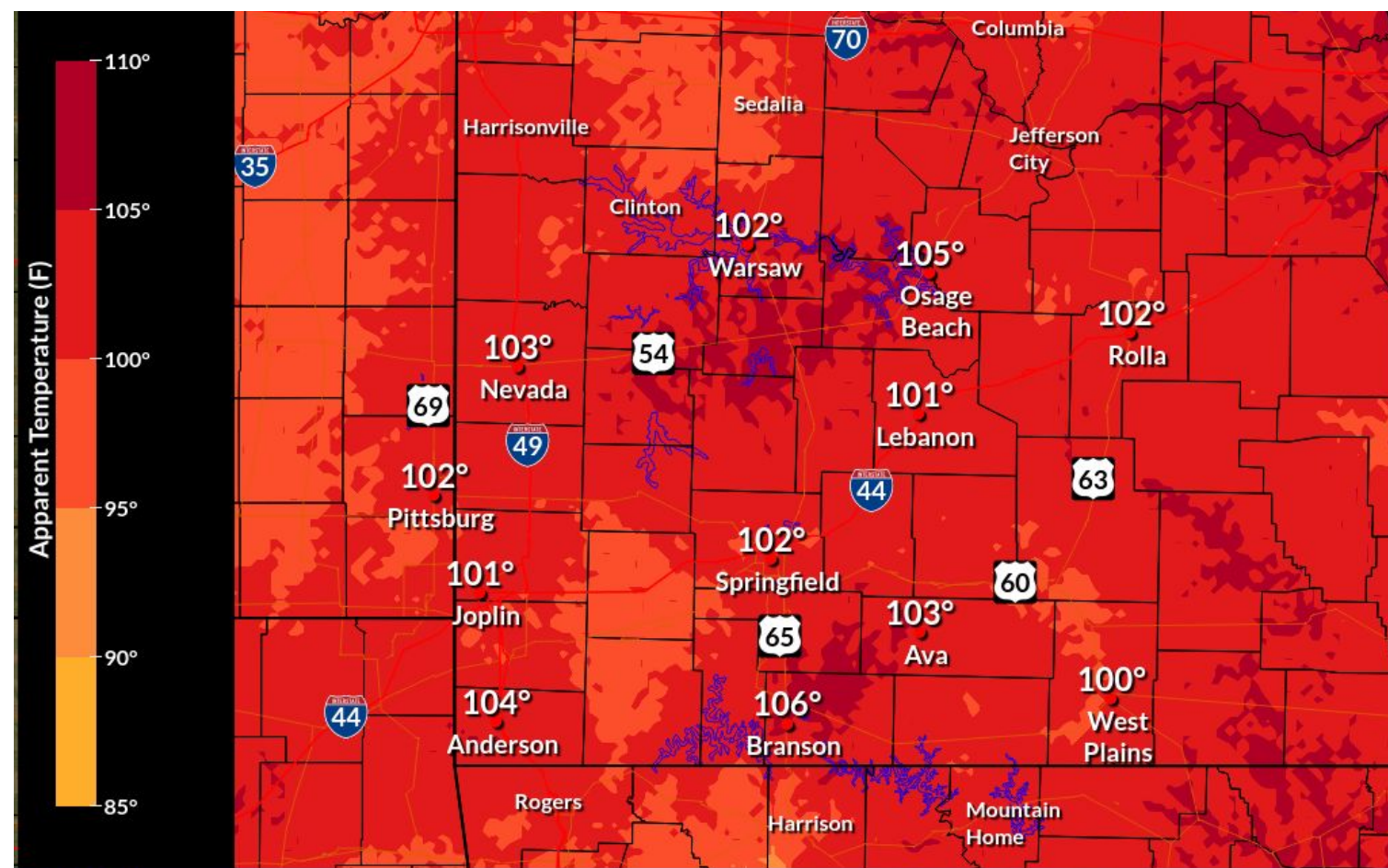




Maximum Heat Index

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



Heat Index Thursday





Understanding Heat Index

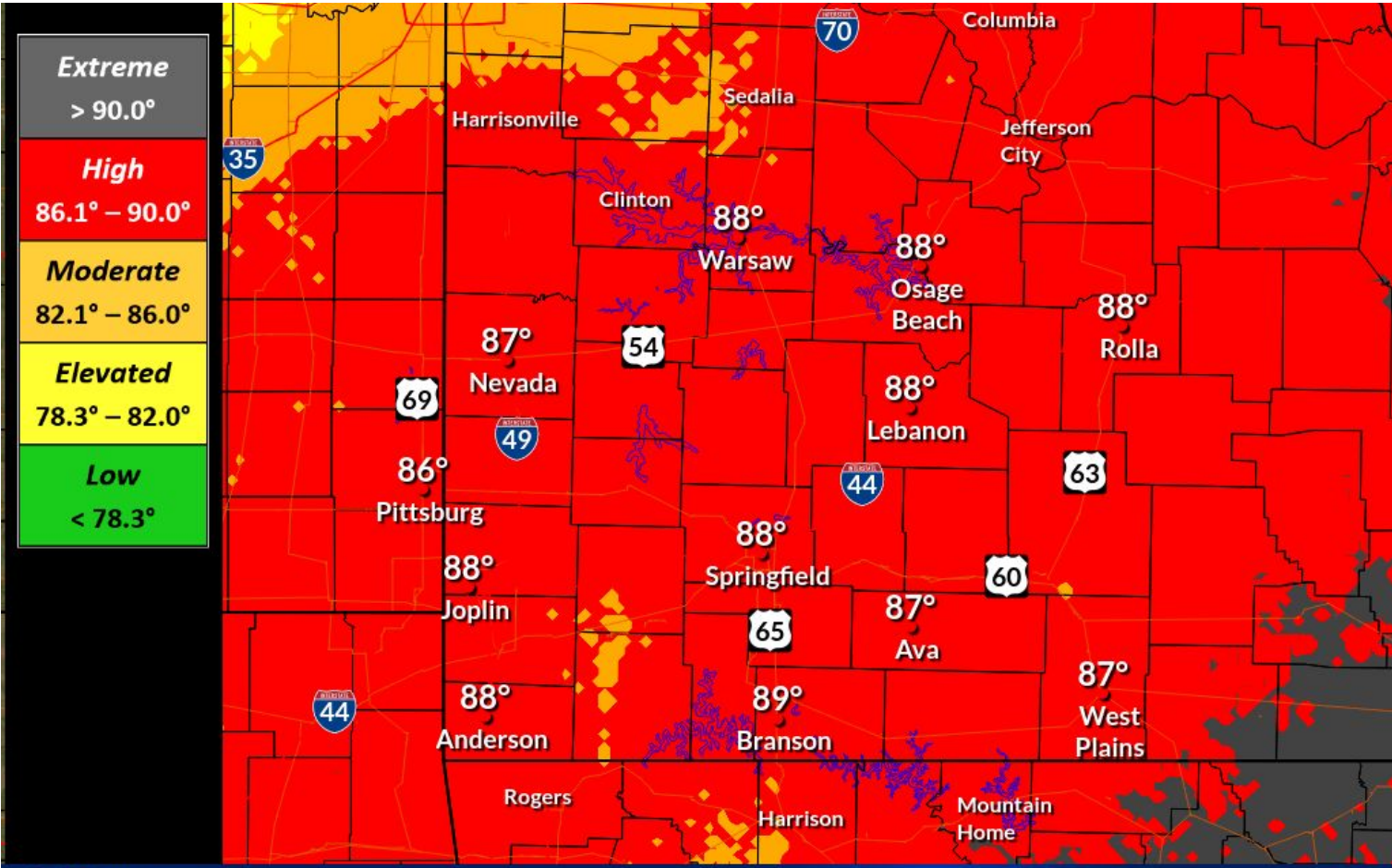
Heat Index		
Classification	Heat Index (°F)	Effect on the Body
Caution	80 to 89	Fatigue possible with prolonged exposure and/or physical activity.
Extreme Caution	90 to 102	Heat stroke, heat cramps or heat exhaustion possible with prolonged exposure and/or physical activity.
Danger	103 to 124	Heat cramps 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>		



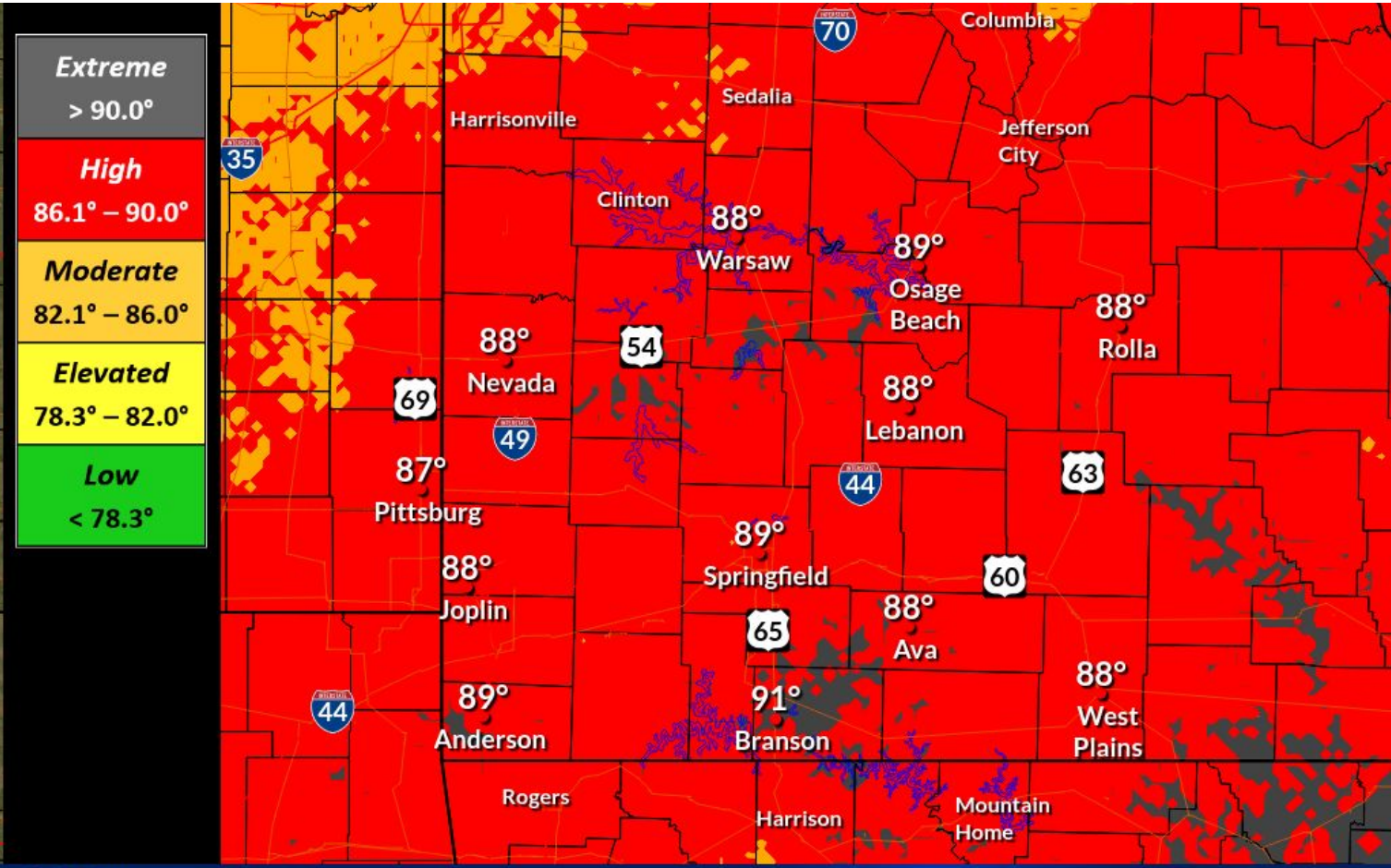


Maximum Wet Bulb Globe Temperatures

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Wet Bulb Globe Temperature Tuesday



Wet Bulb Globe Temperature Wednesday

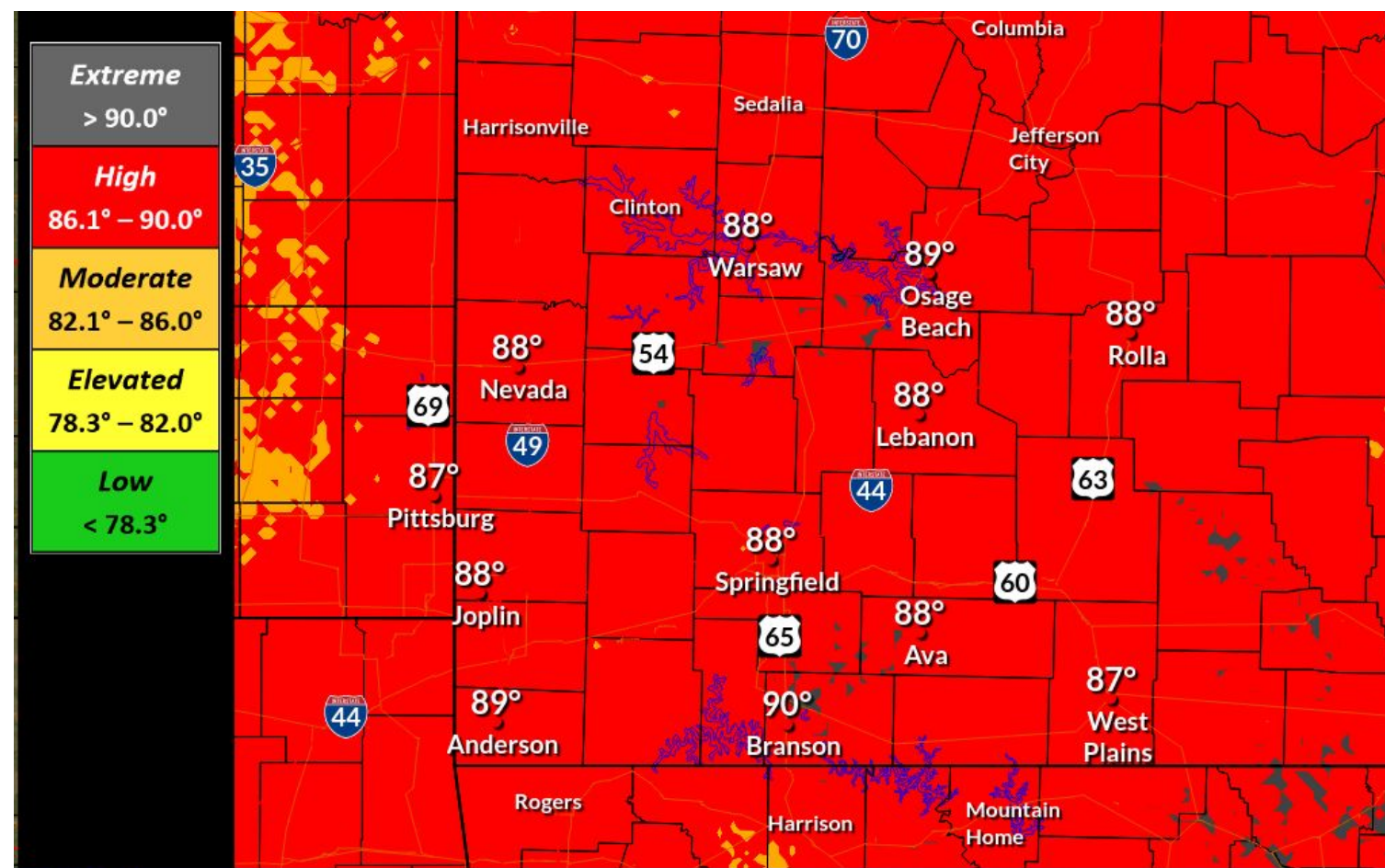




Maximum Wet Bulb Globe Temperatures

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Wet Bulb Globe Thursday



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National Weather Service
Springfield, MO



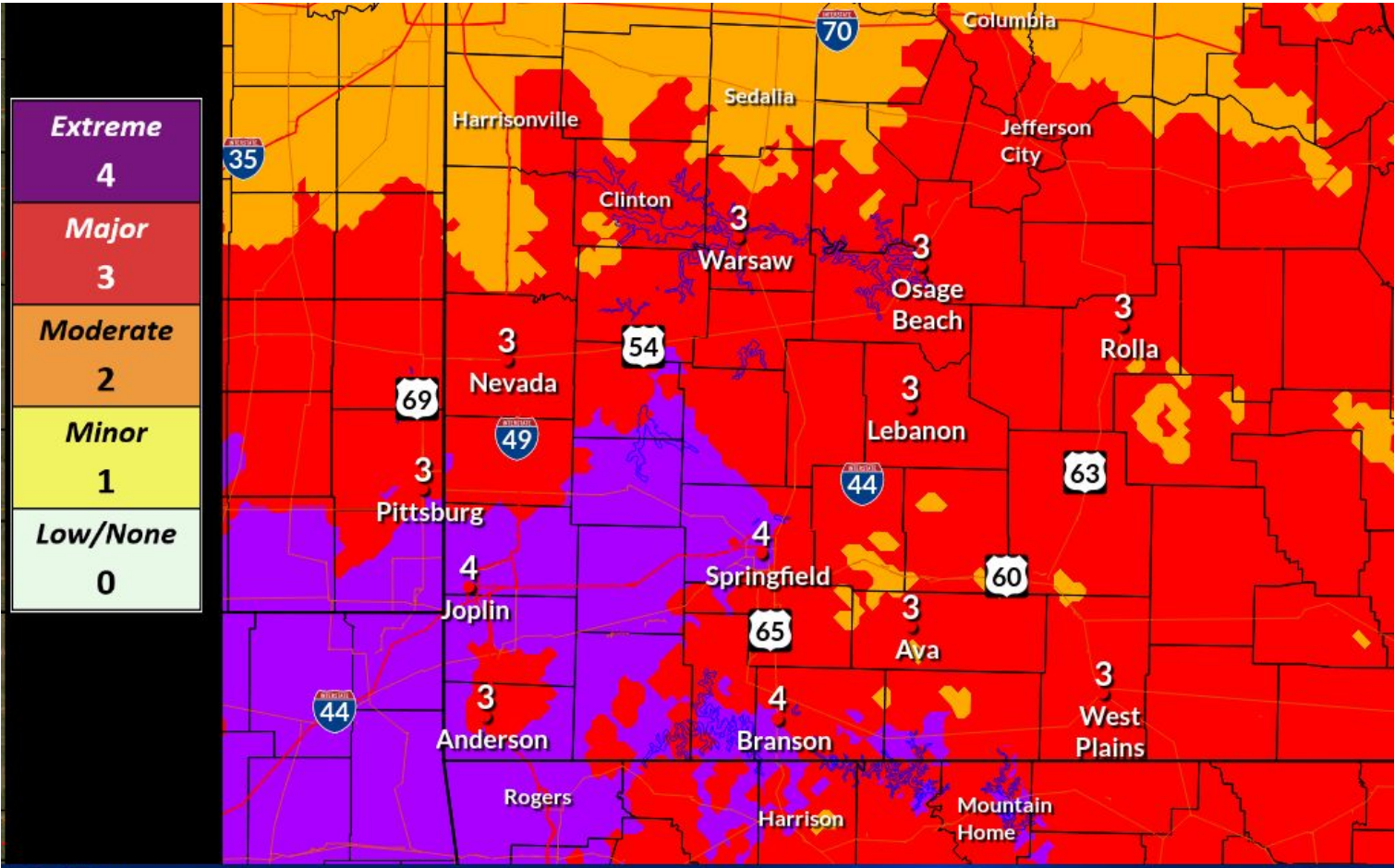
Understanding Wet Bulb Globe Temperature

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>			

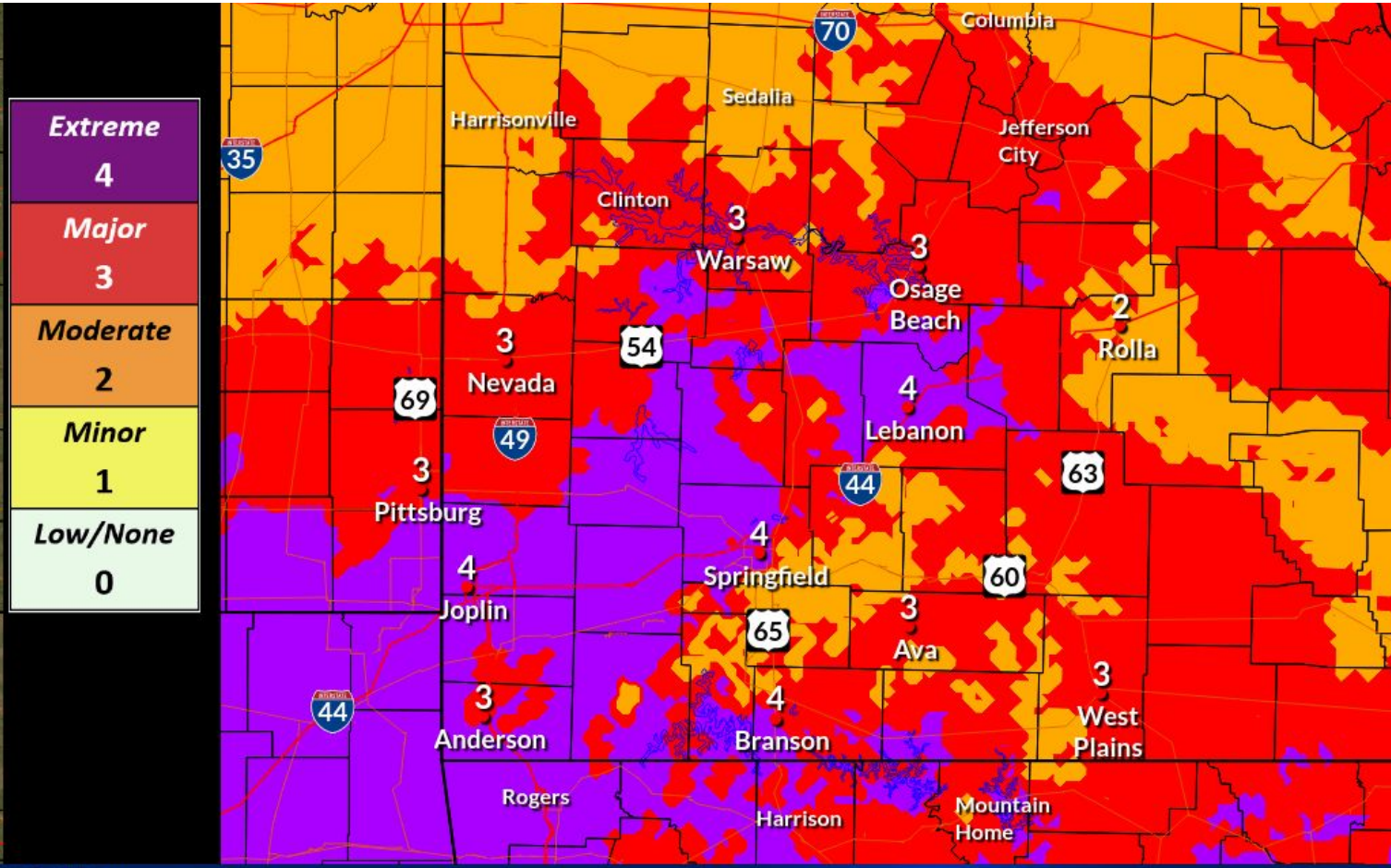


NWS HeatRisk

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NWS HeatRisk Tuesday

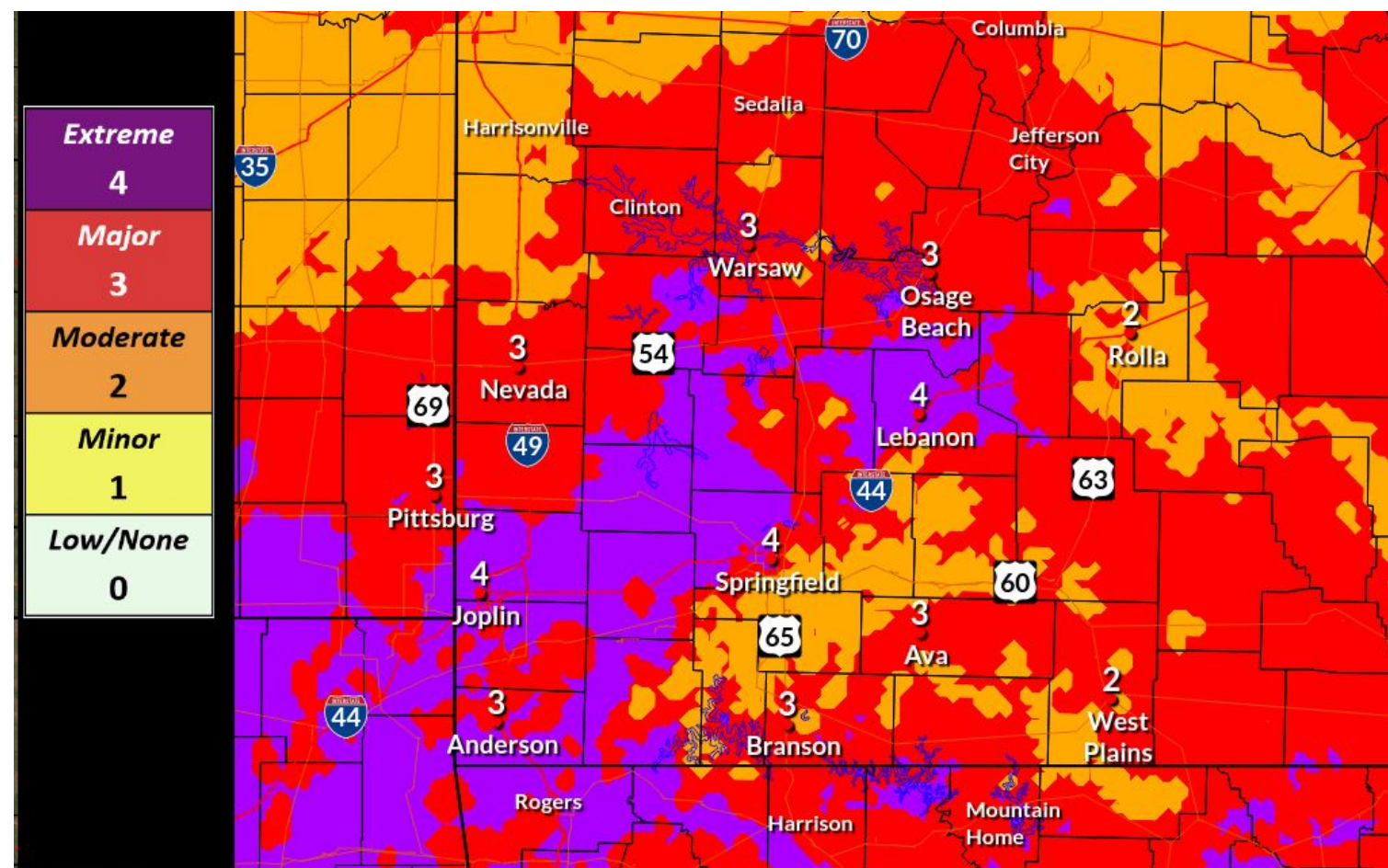


NWS HeatRisk Wednesday





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



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>		





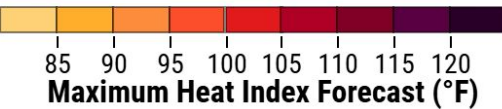
Daily Maximum Heat Tools By City

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Tuesday through Thursday

Maximum Heat Index (°F)
Forecast

	9/15 Tue	9/16 Wed	9/17 Thu
Bolivar	103	106	104
Branson	105	110	106
Fort Leonard Wood	103	104	103
Joplin	103	104	101
Lebanon	103	103	101
Monett	101	101	99
Mountain Grove	99	101	100
Nevada	103	104	103
Osage Beach	105	107	106
Pittsburg, KS	102	104	102
Rolla	102	103	101
Springfield	101	104	103
Warsaw	104	105	105
West Plains	102	102	100



Maximum Wetbulb Globe Temperature
(°F) Forecast

	9/15 Tue	9/16 Wed	9/17 Thu
Bolivar	87	89	88
Branson	89	91	90
Fort Leonard Wood	87	88	88
Joplin	88	88	88
Lebanon	88	88	88
Monett	86	87	86
Mountain Grove	86	87	87
Nevada	87	88	88
Osage Beach	89	89	89
Pittsburg, KS	86	87	87
Rolla	88	88	88
Springfield	87	88	88
Warsaw	88	89	89
West Plains	87	88	87



Maximum HeatRisk
Forecast

	9/15 Tue	9/16 Wed	9/17 Thu
Bolivar	3	3	3
Branson	4	4	3
Fort Leonard Wood	3	3	3
Joplin	4	4	4
Lebanon	3	4	4
Monett	4	4	4
Mountain Grove	3	2	2
Nevada	3	3	3
Osage Beach	3	4	4
Pittsburg, KS	3	4	4
Rolla	3	3	3
Springfield	4	4	4
Warsaw	3	3	3
West Plains	3	3	2





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



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



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



Confidence Details

- Hot conditions will likely spread across the rest of the area on Tuesday.
- Showers and thunderstorms Tuesday afternoon/evening north of I-44 may affect heat indices slightly.
- 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 $>105^{\circ}\text{F}$, 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.



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

ACT FAST

- Move to a cooler area
- Loosen clothing
- Sip cool water
- Seek medical help if symptoms don't improve

Dizziness
Thirst
Heavy Sweating
Nausea
Weakness



Heat Stroke

ACT FAST

CALL 911

- Move person to a cooler area
- Loosen clothing and remove extra layers
- Cool with water or ice

Confusion
Dizziness
Becomes Unconscious

Heat exhaustion can lead to heat stroke.

Heat stroke can cause death or permanent disability if emergency treatment is not given.



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



Use air conditioners and stay in the shade



Drink plenty of water, even if not thirsty



Wear loose-fitting, light-colored clothing

weather.gov



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