



Extreme Heat This Week

September 1, 2026
2:00 AM

Heat Advisory in Effect through Friday



Key Messages

- **Heat Advisory** in effect through 8 pm Friday.
- Daily highs in the middle/upper 90s to low 100s.
Maximum heat index values around 100 to 105°+.
- Minimal overnight relief with lows in the middle to upper 70s.
- Increasing confidence in extension of headlines into the upcoming weekend.

NEW

Important Updates

- Updated daily heat graphics

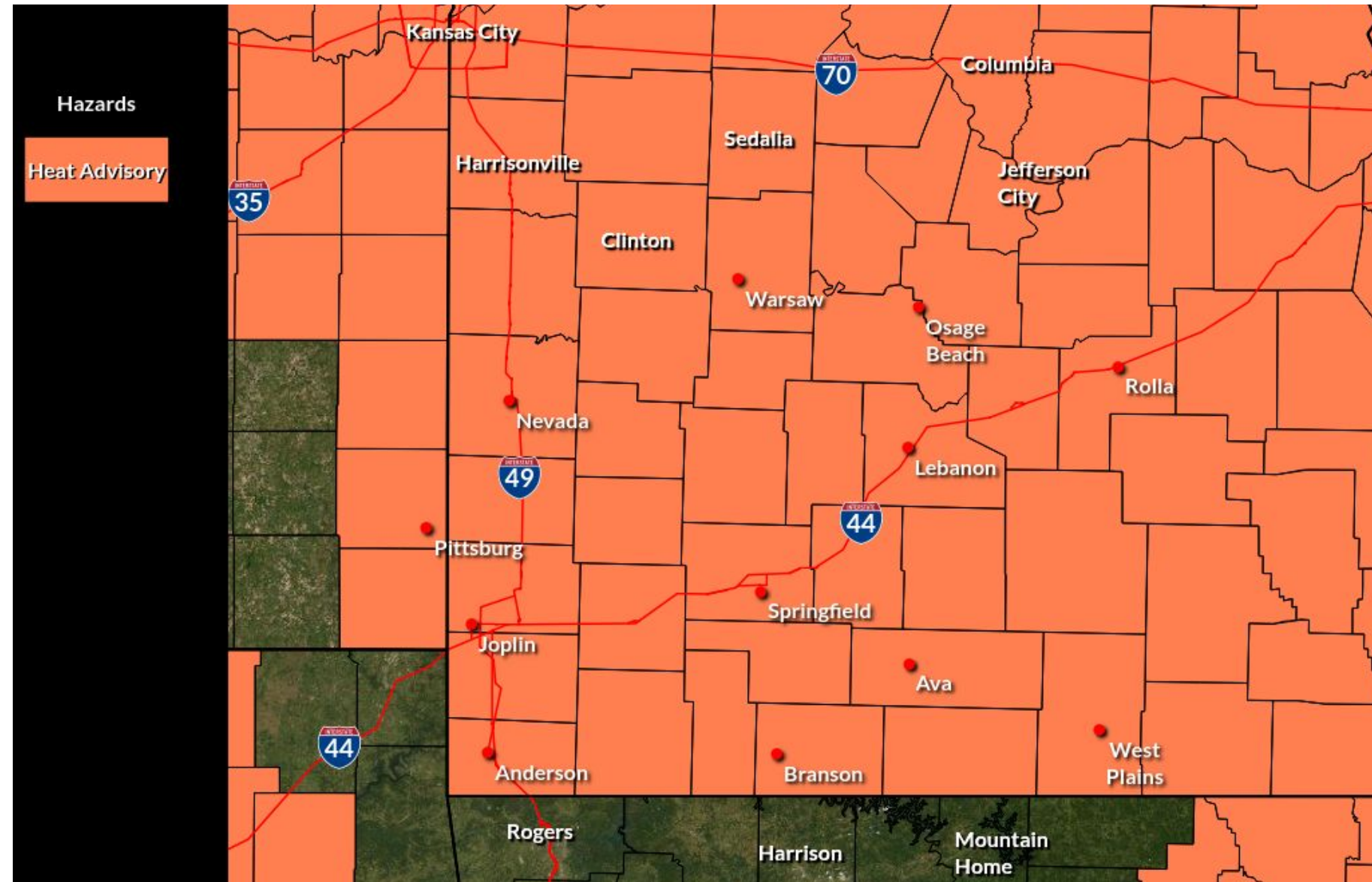


Next Scheduled Briefing

- September 2nd



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



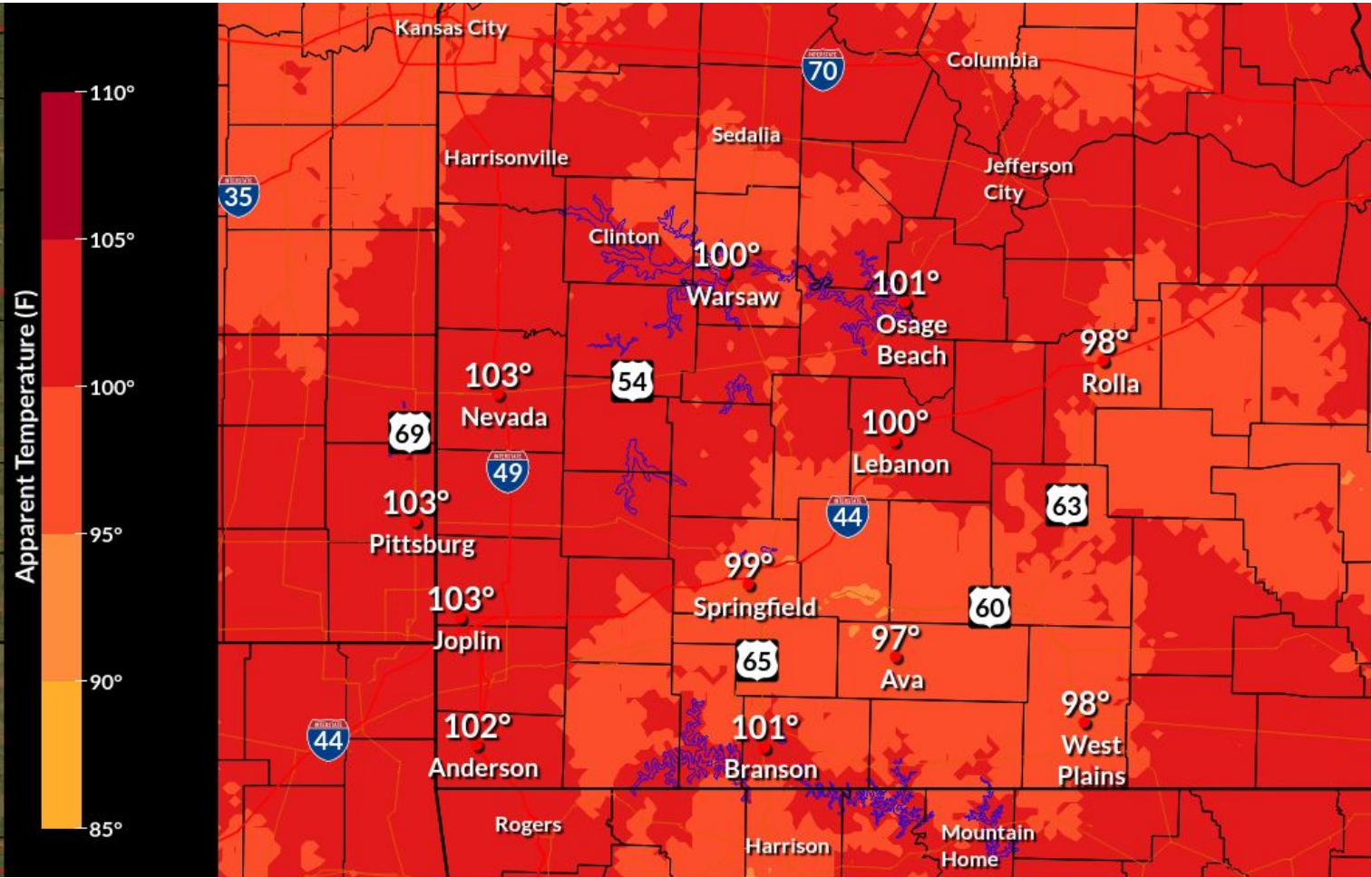
Heat Advisory

National Weather Service
Springfield, MO

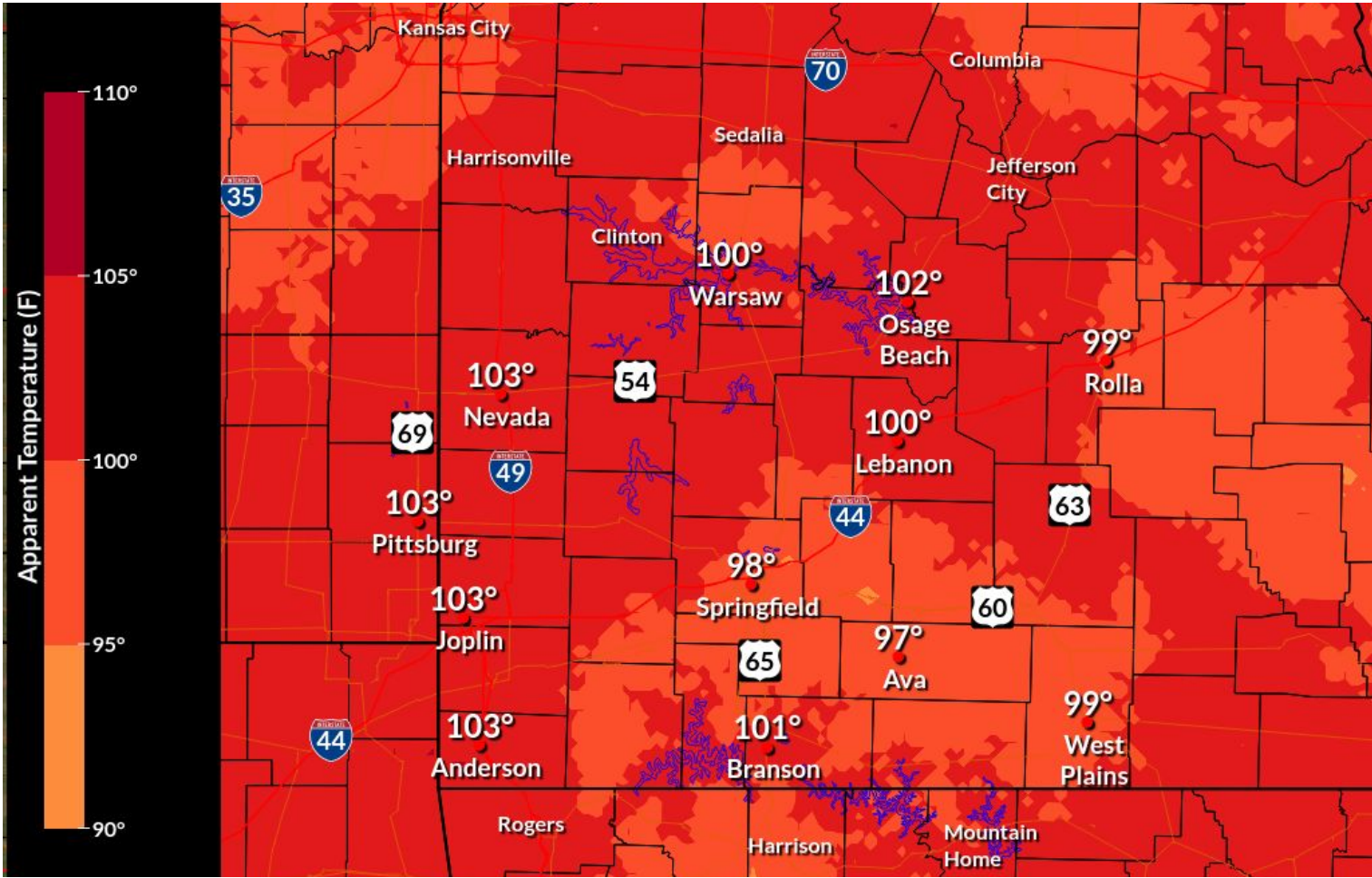


Maximum Heat Index

September 1, 2026
2:00 AM



Heat Index Today



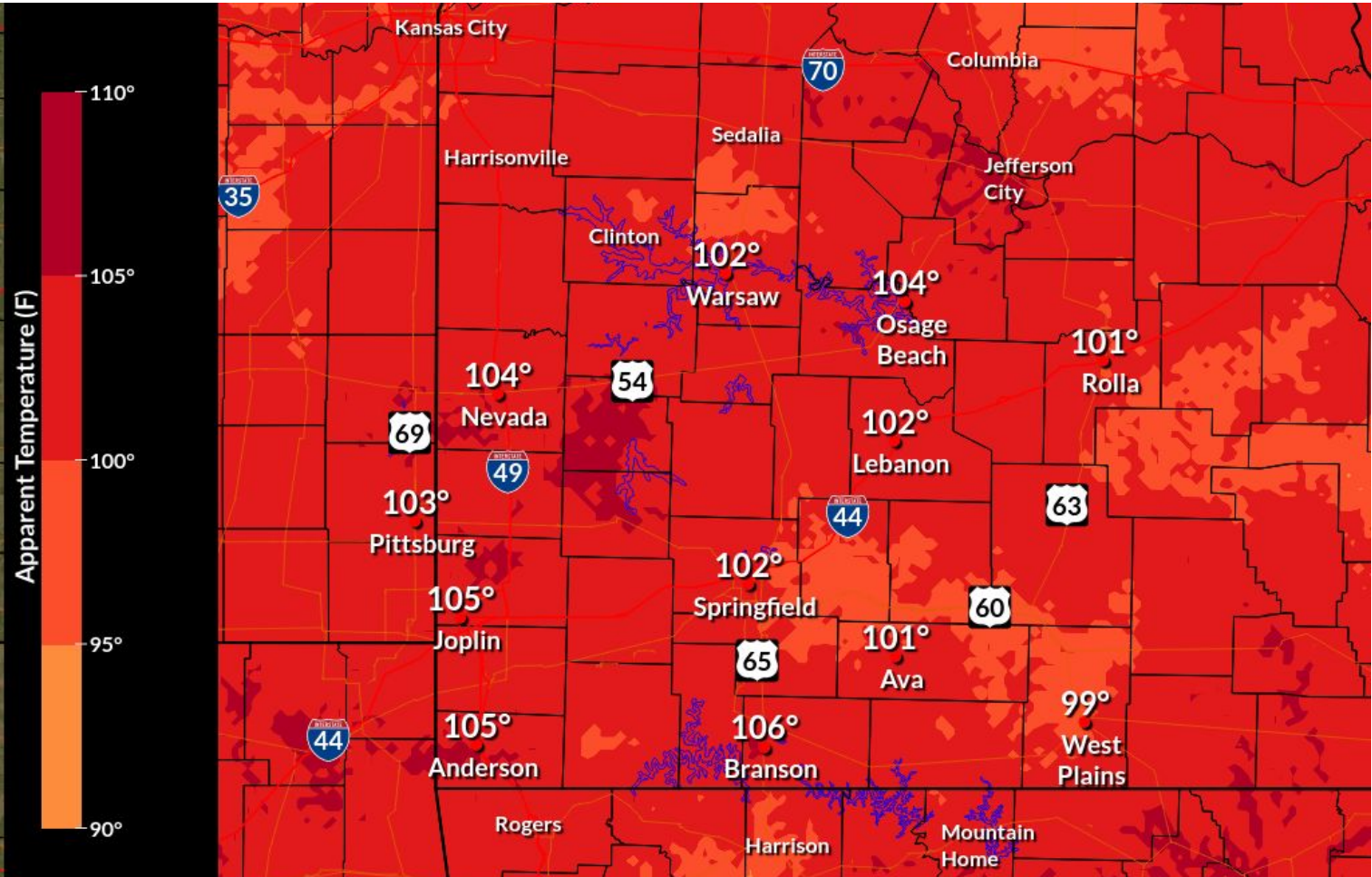
Heat Index Wednesday



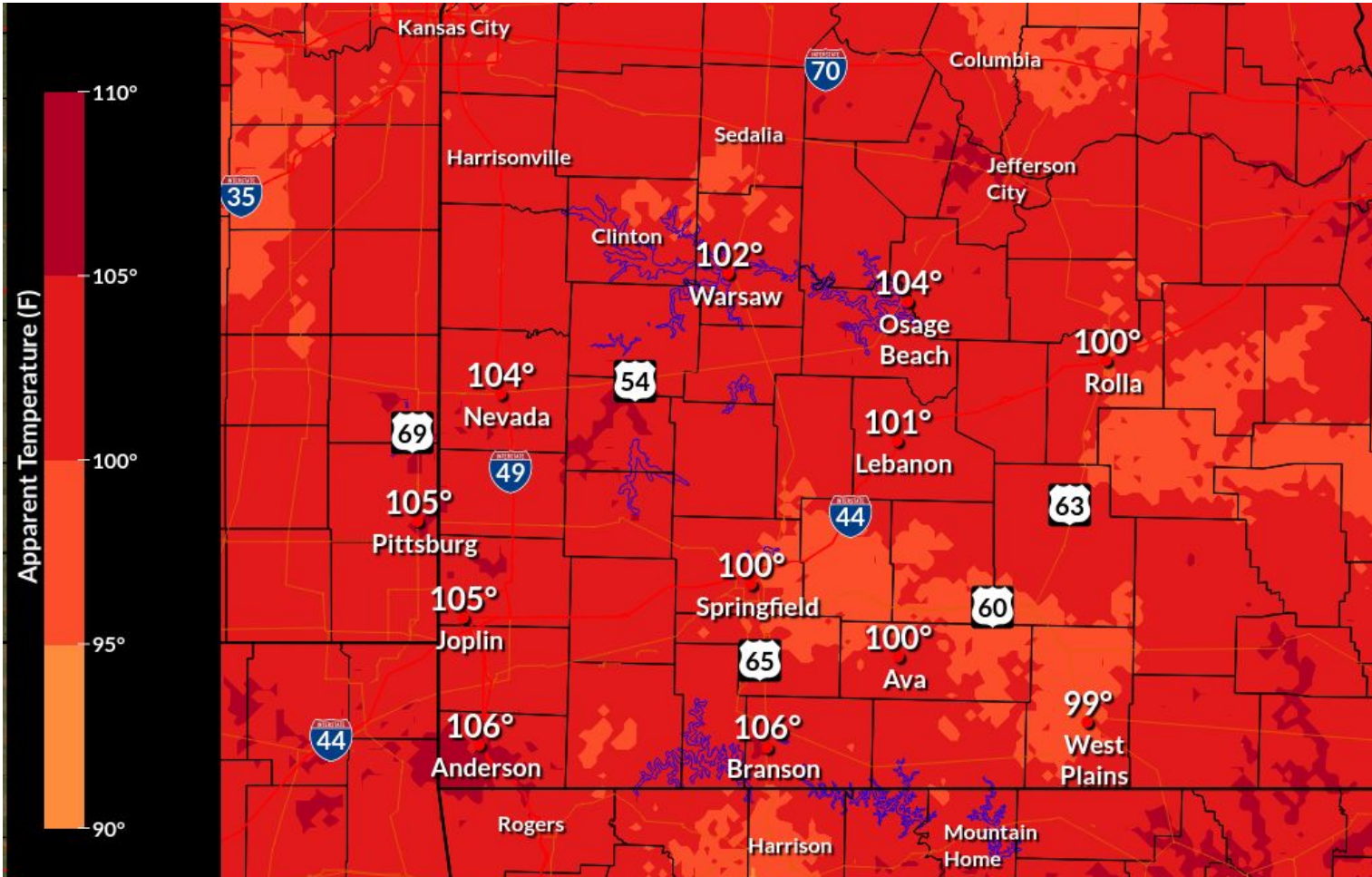


Maximum Heat Index

September 1, 2026
2:00 AM



Heat Index Thursday



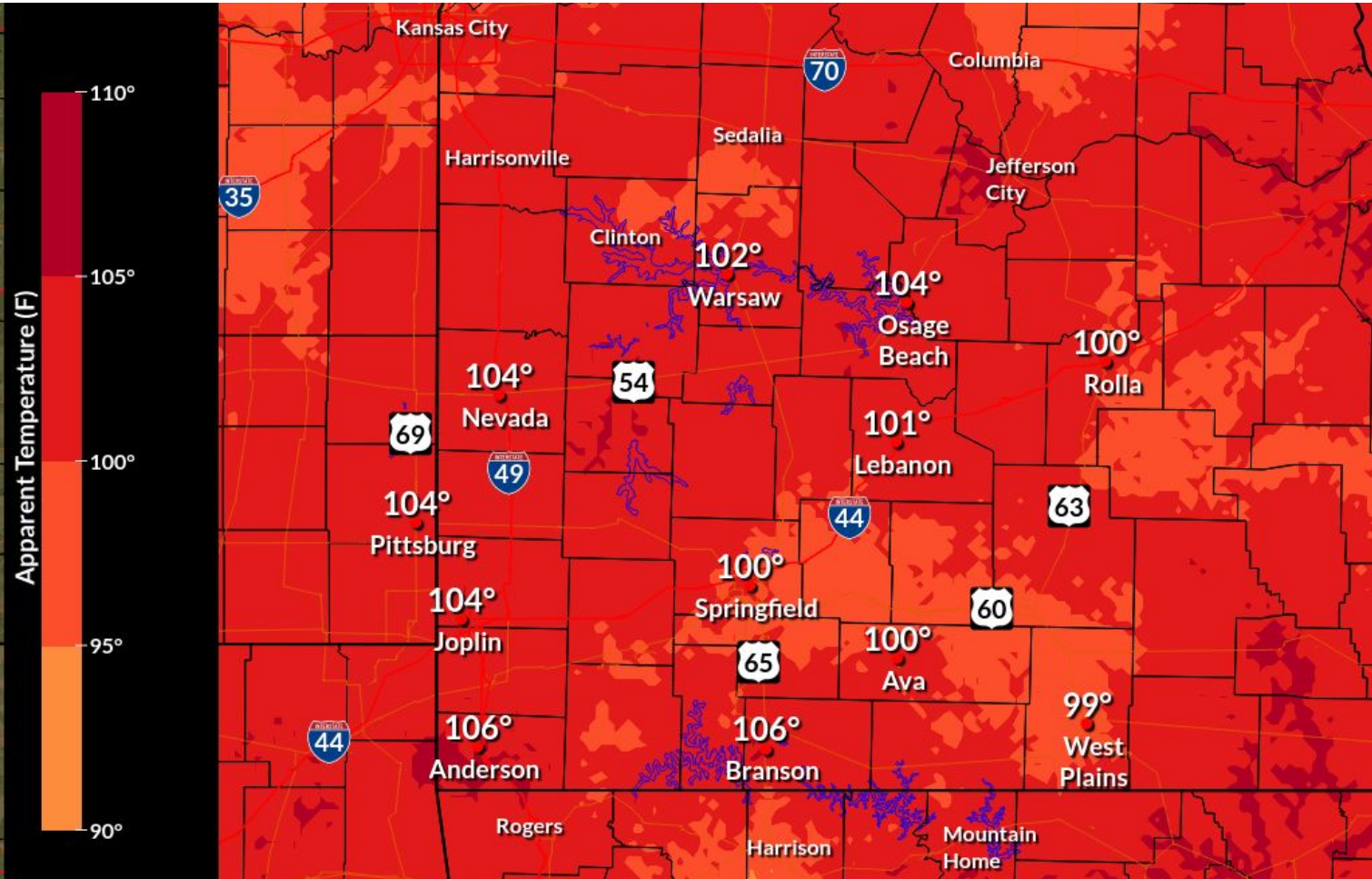
Heat Index Friday



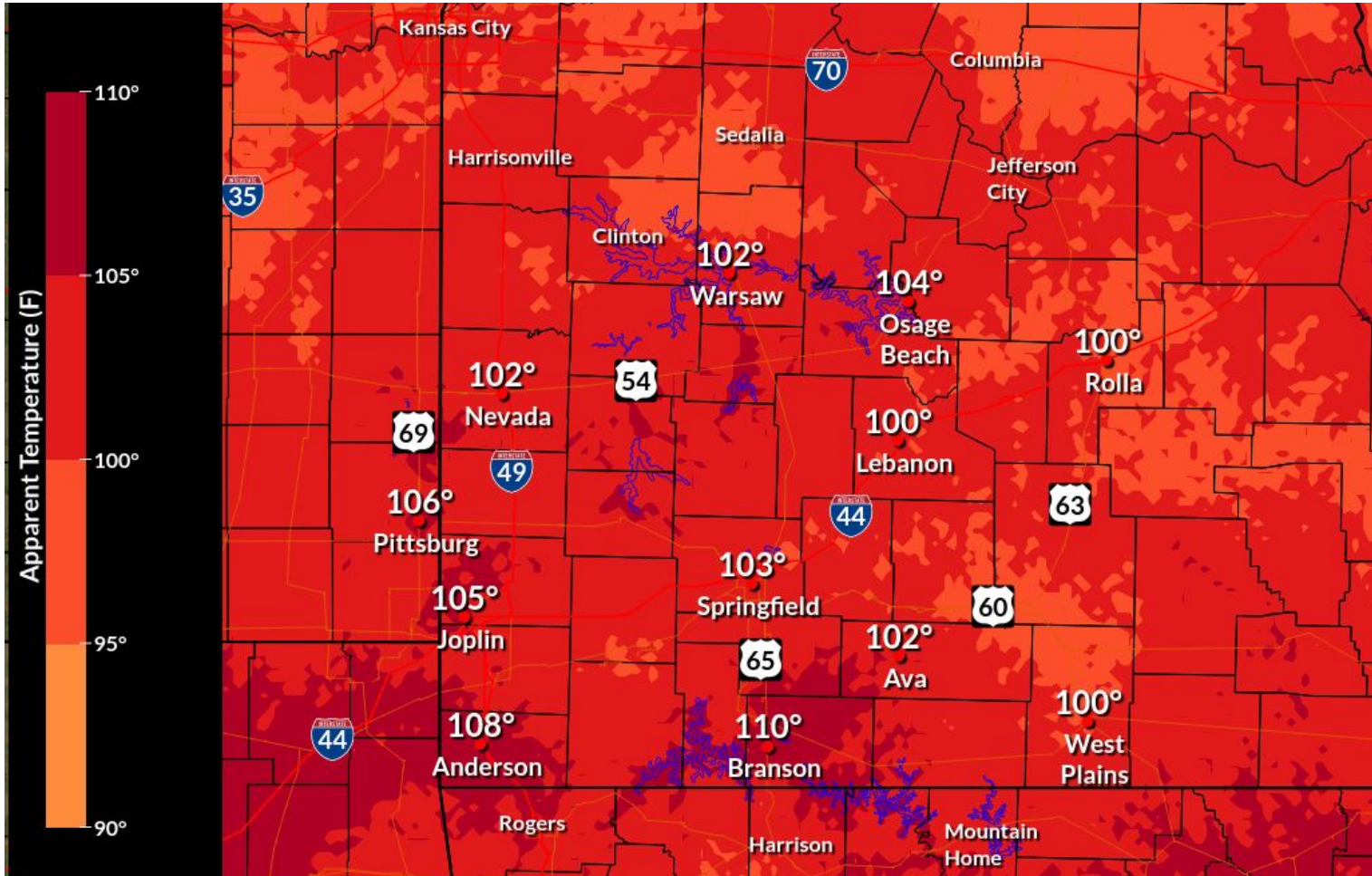


Maximum Heat Index

September 1, 2026
2:00 AM



Heat Index Saturday



Heat Index Sunday

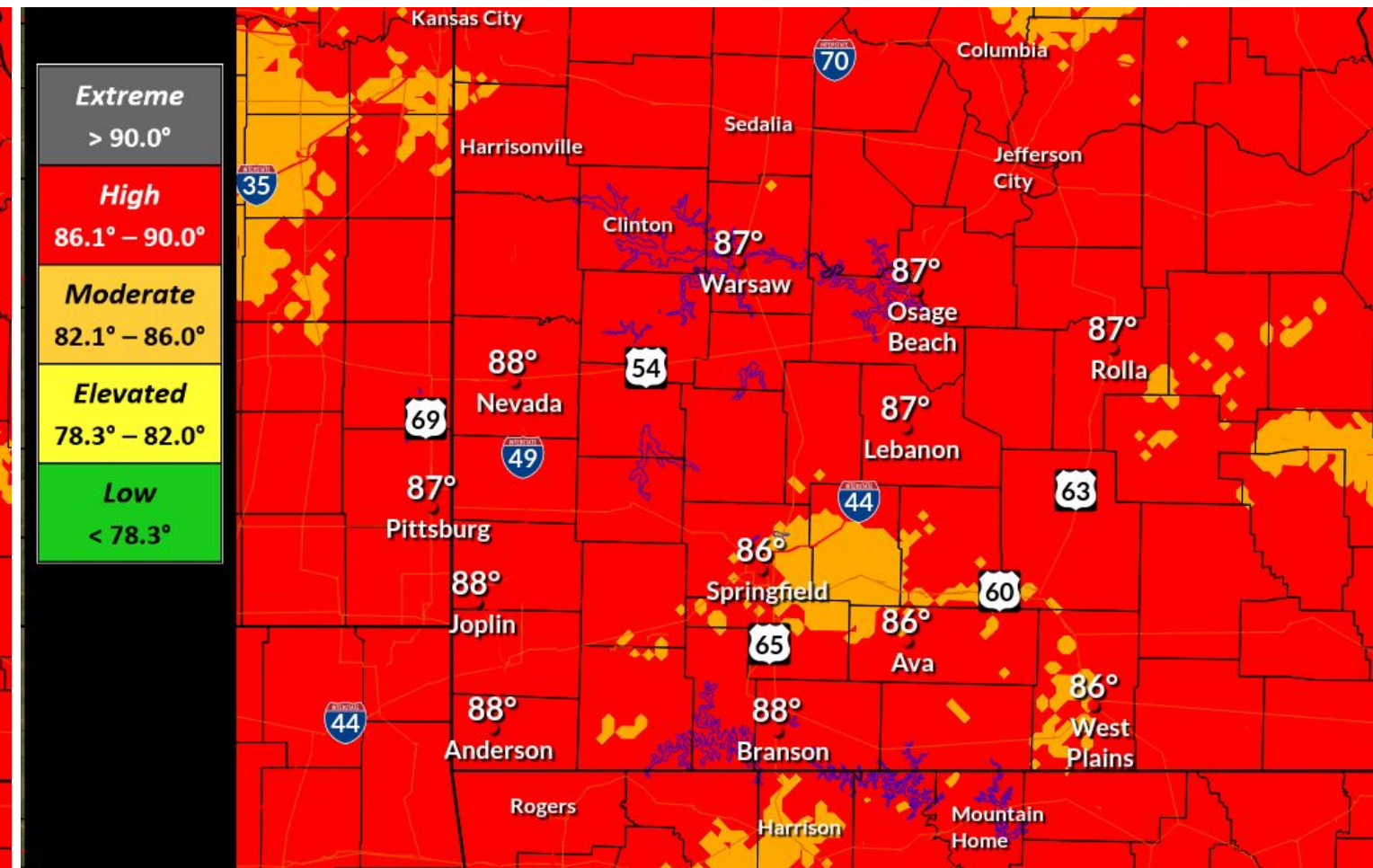




Understanding Heat Index

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>		



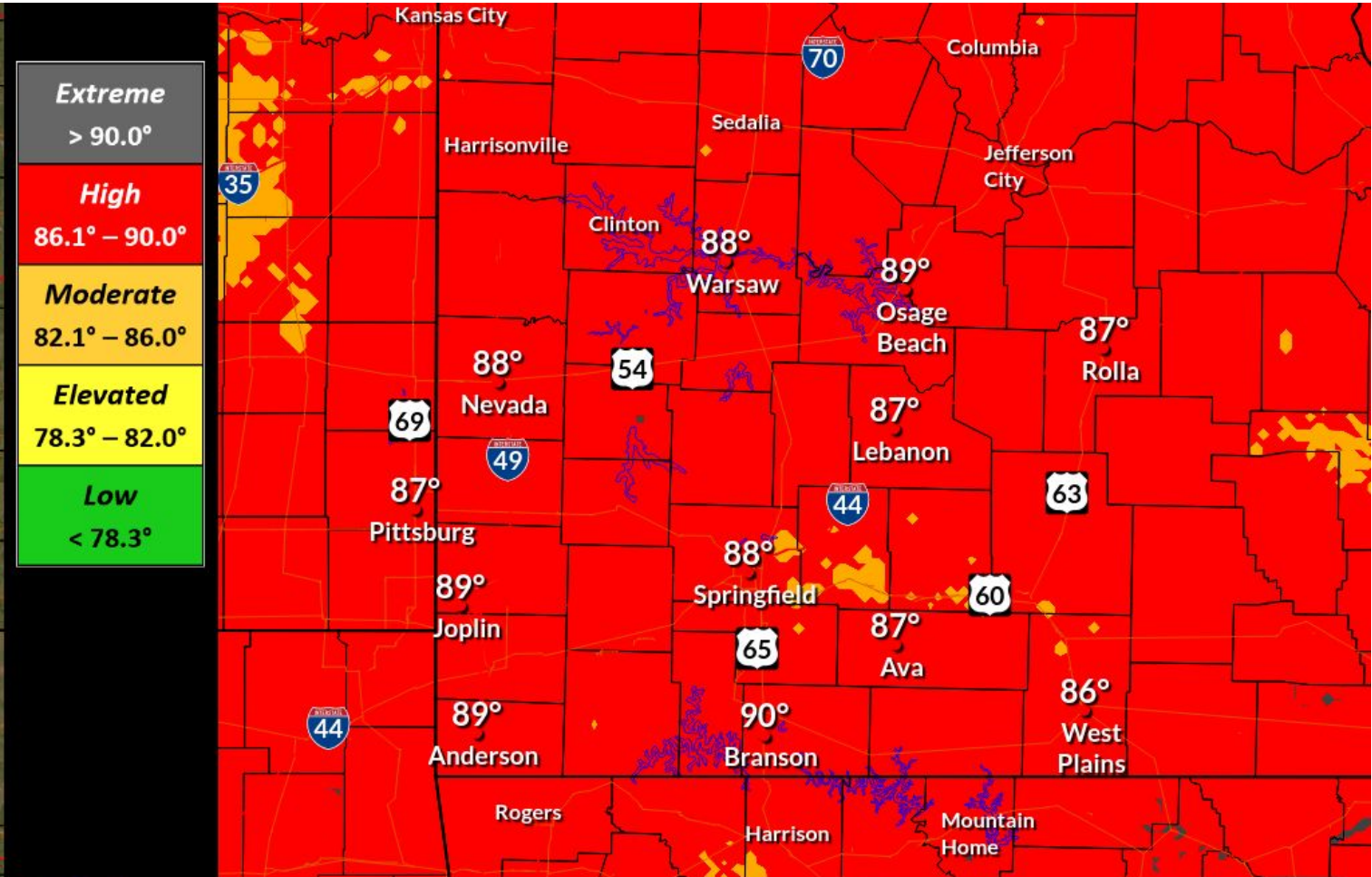


Wet Bulb Globe Temperature Wednesday

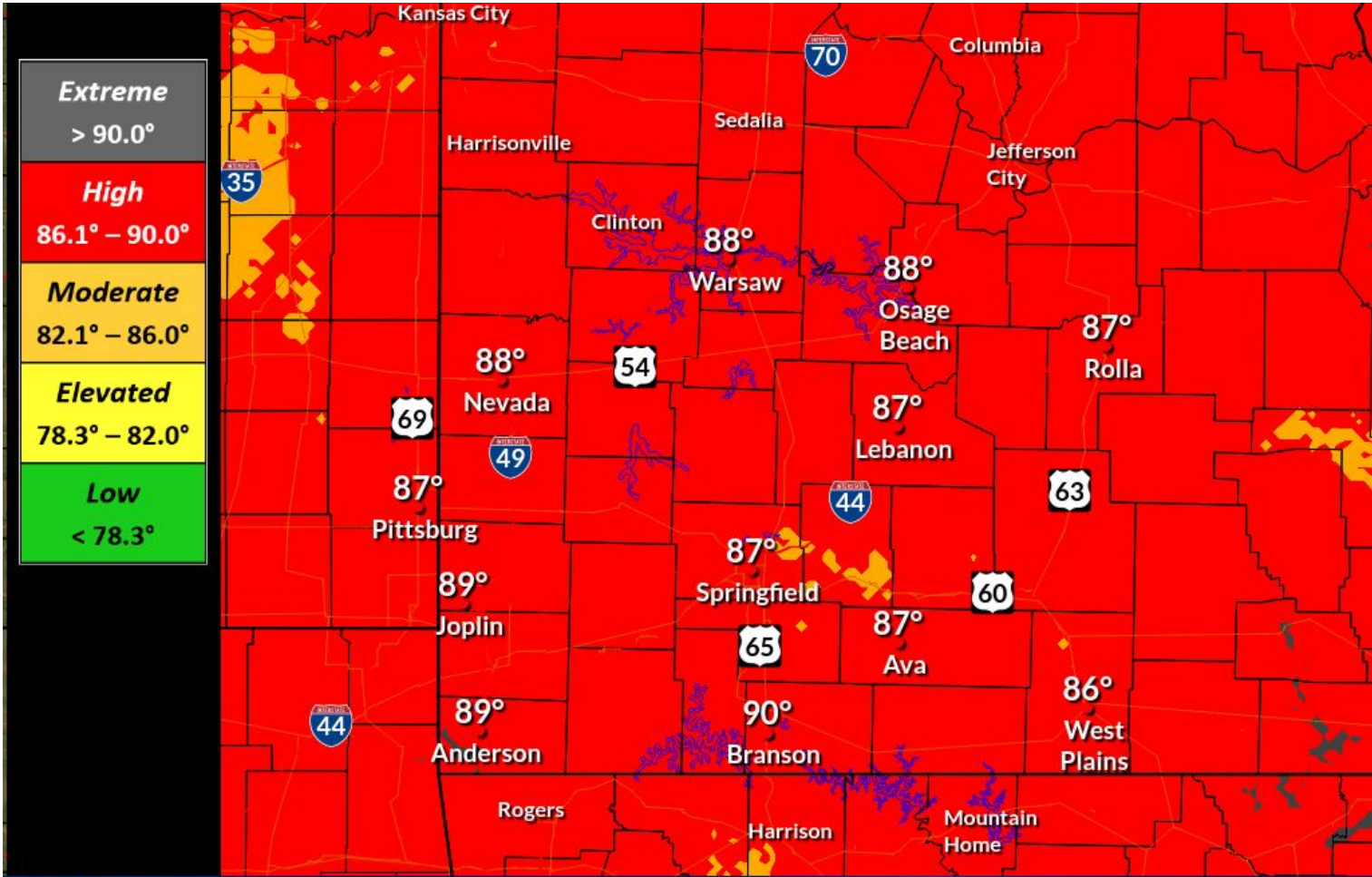


Maximum Wet Bulb Globe Temperature

September 1, 2026
2:00 AM



Wet Bulb Globe Temperature Thursday



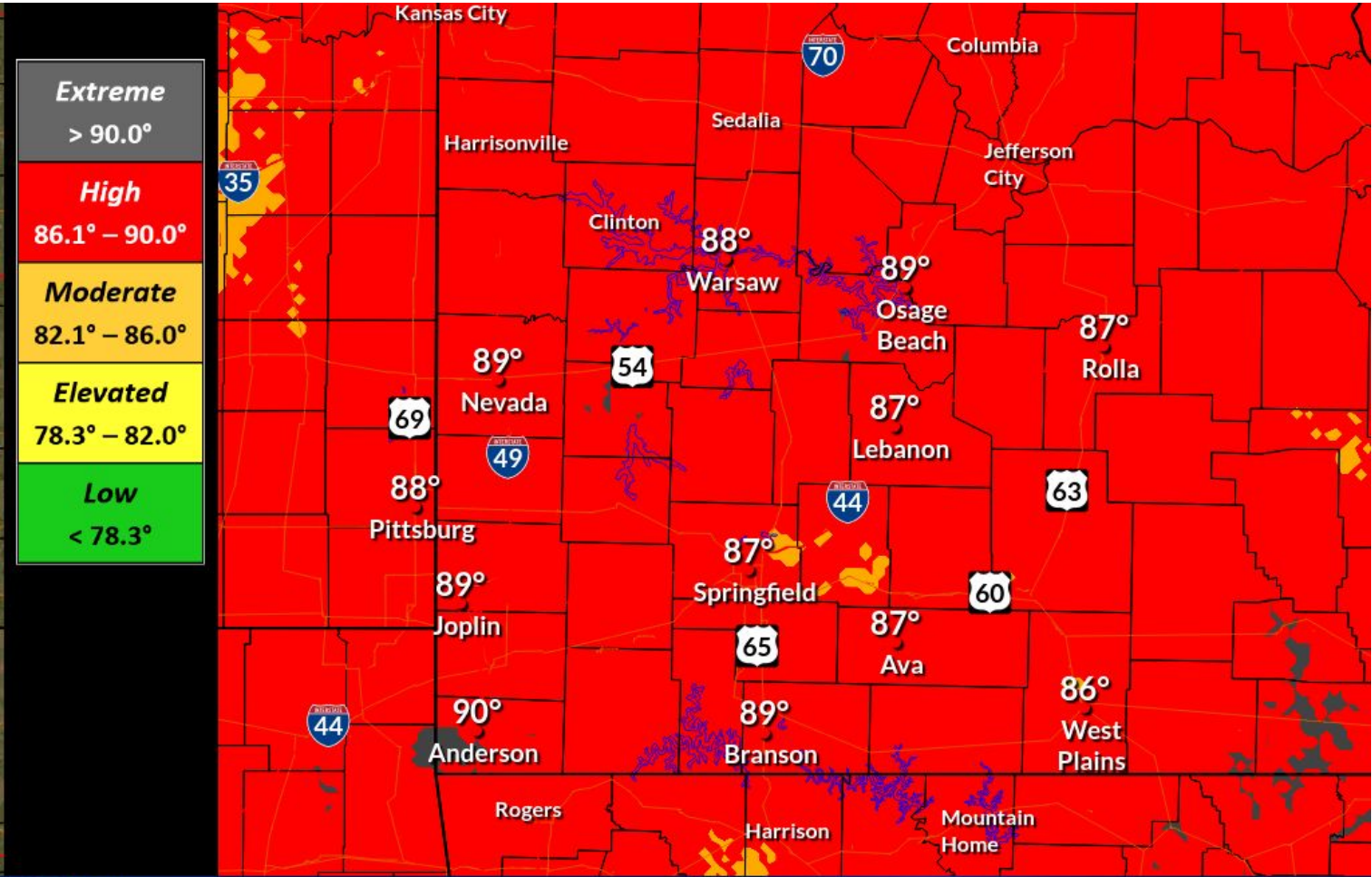
Wet Bulb Globe Temperature Friday



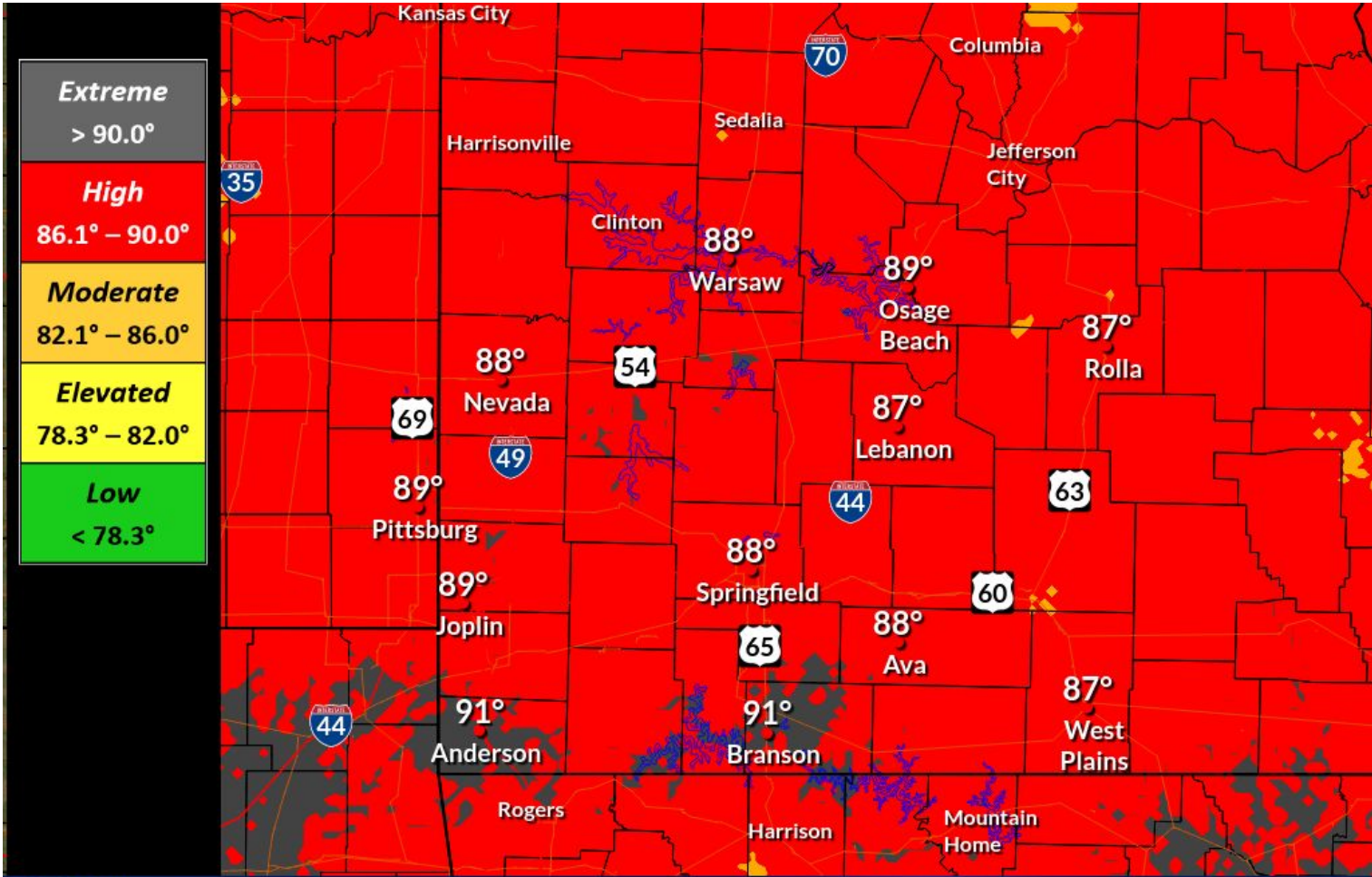


Maximum Wet Bulb Globe Temperature

September 1, 2026
2:00 AM



Wet Bulb Globe Temperature Saturday



Wet Bulb Globe Temperature Sunday





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>			



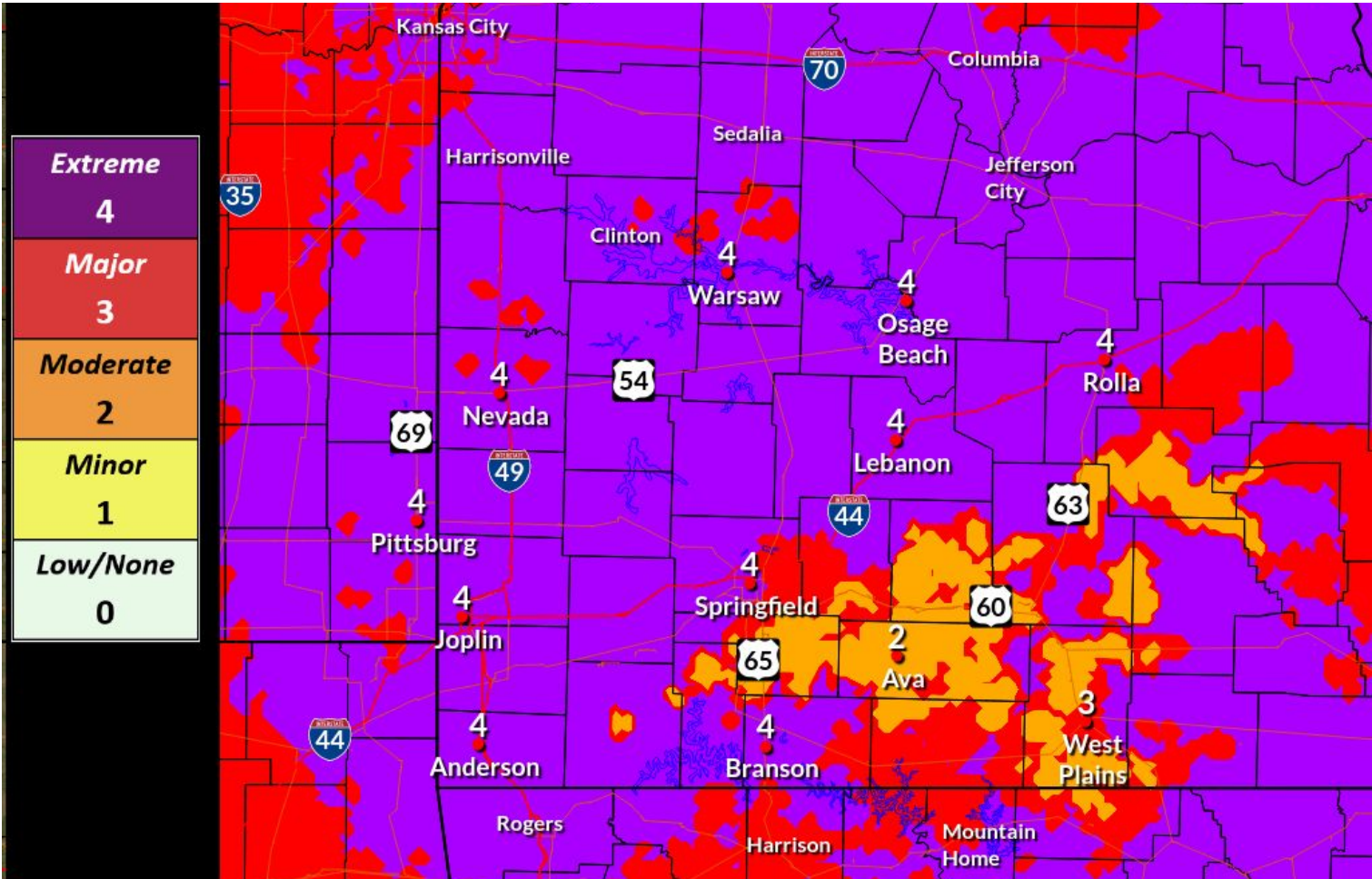
2:00 AM



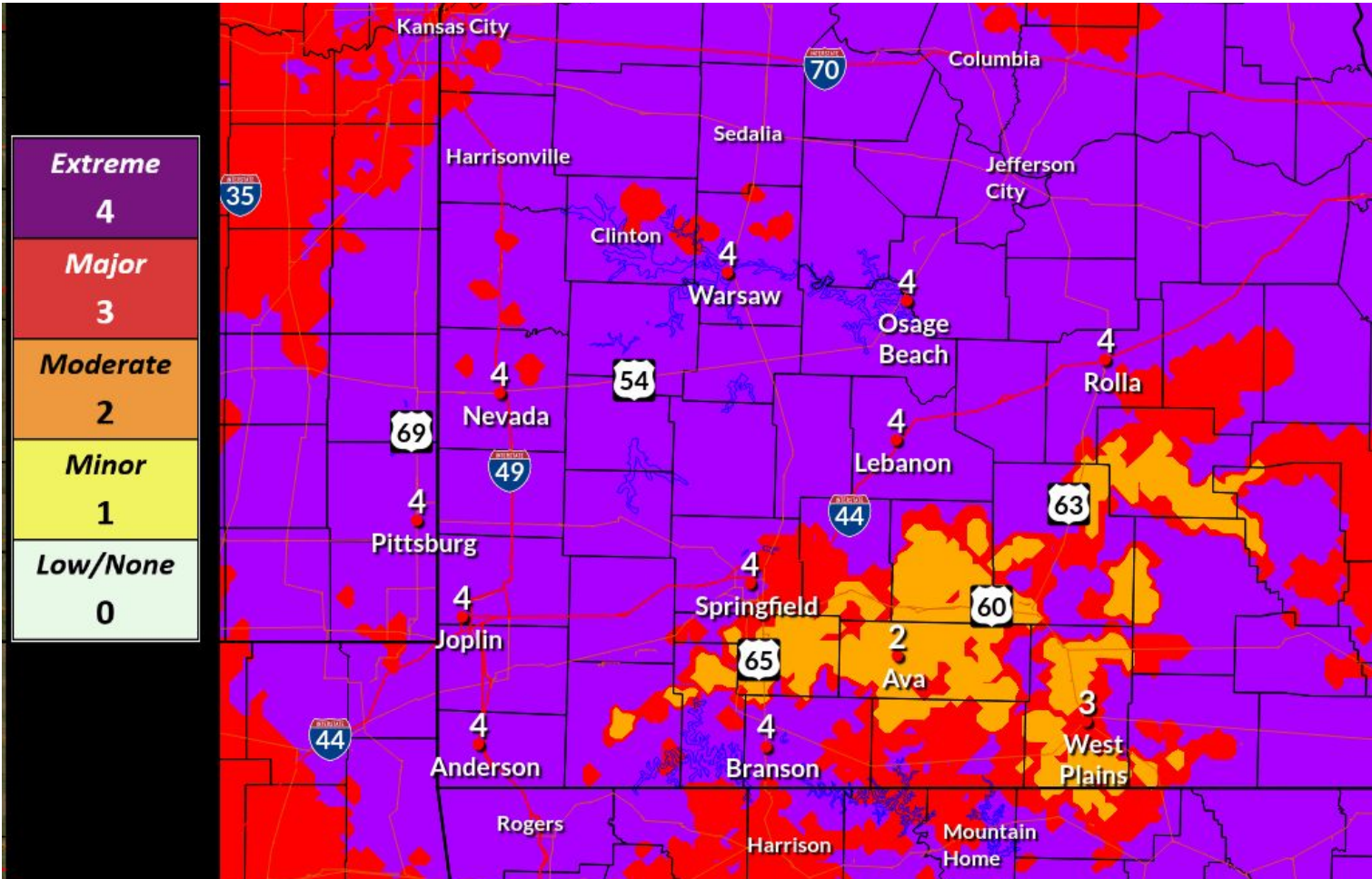


NWS HeatRisk

September 1, 2026
2:00 AM



NWS HeatRisk Thursday



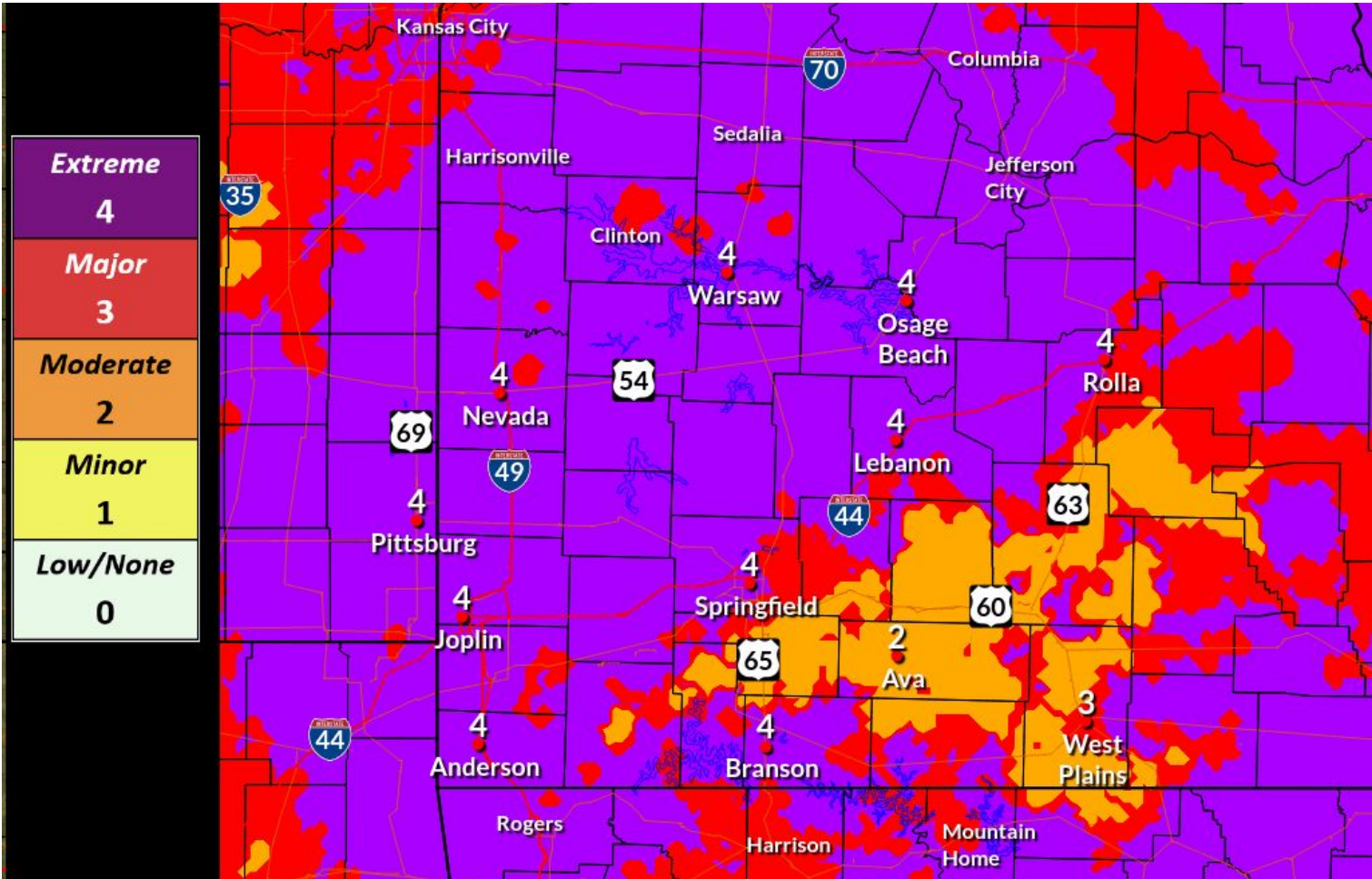
NWS HeatRisk Friday



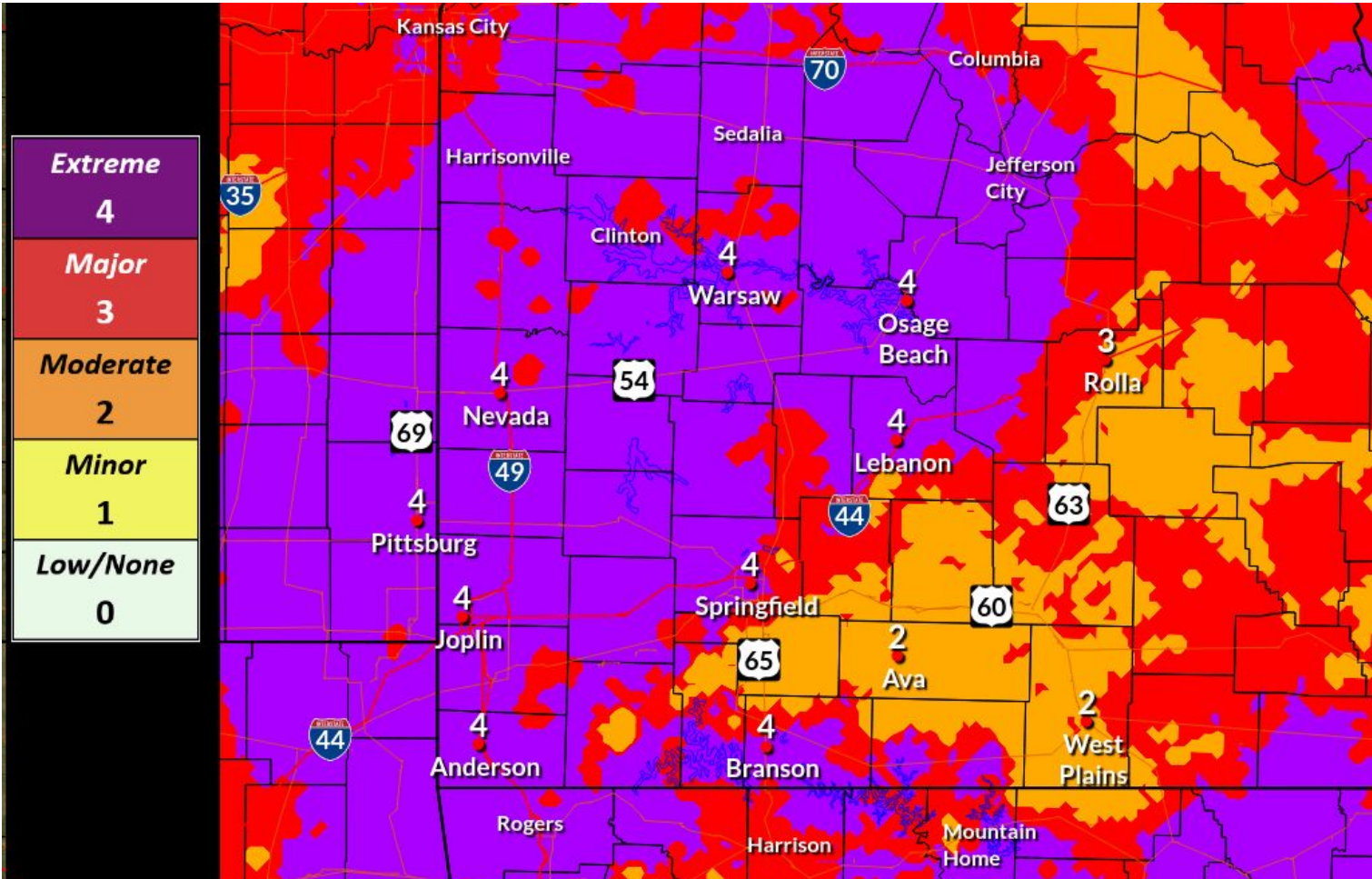


NWS HeatRisk

September 1, 2026
2:00 AM



NWS HeatRisk Saturday



NWS HeatRisk Sunday





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>		





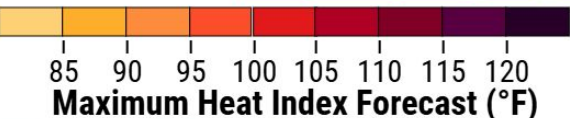
Daily Maximum Heat Tools By City

September 1, 2026
2:00 AM

Today - Sunday

Maximum Heat Index

	9/1	9/2	9/3	9/4	9/5	9/6
	Tue	Wed	Thu	Fri	Sat	Sun
Bolivar	100	100	102	102	101	104
Branson	101	101	106	106	106	110
Fort Leonard Wood	100	102	102	103	103	101
Joplin	103	103	105	105	104	105
Lebanon	100	100	102	101	101	100
Monett	98	99	101	101	100	101
Mountain Grove	97	97	99	98	98	99
Nevada	103	103	104	104	104	102
Osage Beach	101	102	104	104	104	104
Pittsburg, KS	103	103	103	105	104	106
Rolla	98	99	100	99	100	99
Springfield	98	98	102	101	101	103
Warsaw	100	102	102	103	103	104
West Plains	98	99	99	99	99	100



Maximum WBGT

	9/1	9/2	9/3	9/4	9/5	9/6
	Tue	Wed	Thu	Fri	Sat	Sun
Bolivar	87	87	87	90	89	88
Branson	89	89	89	92	92	90
Fort Leonard Wood	88	89	88	89	87	86
Joplin	88	88	88	90	90	88
Lebanon	87	88	87	88	87	86
Monett	87	87	87	88	89	87
Mountain Grove	86	86	86	88	87	85
Nevada	88	88	88	89	89	88
Osage Beach	88	89	88	90	90	87
Pittsburg, KS	87	87	87	89	89	88
Rolla	86	87	87	88	87	85
Springfield	87	87	88	89	88	88
Warsaw	87	88	88	90	90	87
West Plains	86	87	86	88	87	86



Maximum HeatRisk

	9/1	9/2	9/3	9/4	9/5	9/6
	Tue	Wed	Thu	Fri	Sat	Sun
Bolivar	4	4	4	4	4	3
Branson	3	4	4	4	4	3
Fort Leonard Wood	4	4	4	4	3	2
Joplin	4	4	4	4	4	4
Lebanon	4	4	4	4	4	3
Monett	4	4	4	4	4	3
Mountain Grove	2	3	3	2	2	2
Nevada	4	4	4	4	4	4
Osage Beach	4	4	4	4	4	3
Pittsburg, KS	4	4	4	4	4	4
Rolla	3	4	4	4	3	2
Springfield	3	4	4	4	4	3
Warsaw	4	4	4	4	4	3
West Plains	3	3	3	3	2	2





Extreme Heat into Mid September

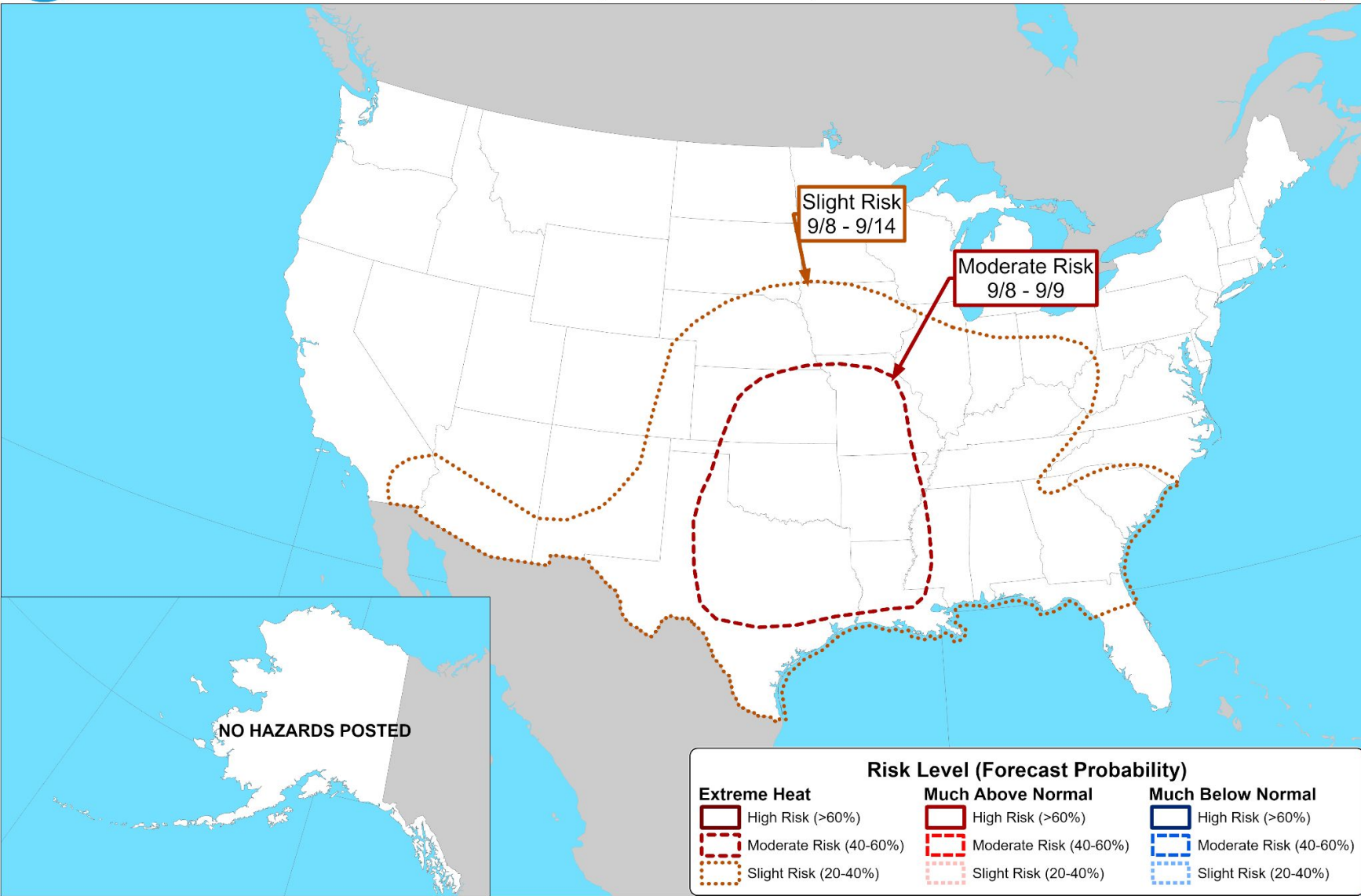
September 1, 2026
2:00 AM

Overview

- Slight Risk (20-40%) for Extreme Heat to persist through September 8-14.
- Moderate Risk (40-60%) for Extreme Heat to continue through September 8-9.



Risk of Hazardous Temperatures Valid: September 8 - 14, 2026



Climate Prediction Center

Released: August 31, 2026 3:00 PM EDT

Follow us:
www.cpc.ncep.noaa.gov



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

National Weather Service
Springfield, MO



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



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



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



Confidence Details

- Most of the area remains between maximum heat index values of 100 to 105.
- A few locations may exceed heat index values 105, this will be north and west of the Ozark Plateau.
- The hottest days of the week occur Tuesday through Thursday.



Additional Resources

September 1, 2026
2:00 AM

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](#)

Follow @NWSSpringfield



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



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

National Weather Service
Springfield, MO