

From the Iteris Weather Forecast Operations Center:

A weak disturbance is expected to push through eastern Missouri and western Illinois on Sunday, bringing a chance of thunderstorms to the area. A weak boundary will linger across the area on Monday which could cause some isolated storms to redevelop during the afternoon hours. Mainly dry conditions are expected for the rest of the period, although an isolated storm can't be ruled out on Tuesday afternoon and again Thursday afternoon. Temperatures will start the week in the low 90s but slowly warm into the upper 90s as ridging builds across the area. Winds are expected to be generally 5-10 mph through the week, except for higher gusts associated with thunderstorms. The warm temperatures along with dew points in the 70s will create heat indexes from 100 - 110 degrees throughout the week.

Sunday, July 31:

Morning Low Temperature: 71 degrees

High Temperature: 92 degrees

Relative Humidity: 90% in the early morning and 55-60% in the afternoon

Afternoon Heat index: 103 degrees

Early morning thunderstorms ending with a 50% chance of afternoon and evening thunderstorms. Rainfall of 0.25" - 0.50" possible.

Monday, August 1:

Morning Low Temperature: 73 degrees

High Temperature: 95 degrees

Relative Humidity: 90% in the early morning and 60% in the afternoon

Afternoon Heat index: 107 degrees

40% chance of afternoon and evening thunderstorms, mainly from 3-9 PM. Rainfall of 0.25-0.50" possible where storms track.

Tuesday, August 2:

Morning Low Temperature: 73 degrees

High Temperature: 95 degrees

Relative Humidity: 85-90% in the early morning and 55% in the afternoon

Afternoon Heat index: 108 degrees

Slight chance of late afternoon and evening thunderstorms. Chance of precipitation 20%.

Wednesday, August 3:

Morning Low Temperature: 75 degrees

High Temperature: 96 degrees

Relative Humidity: 85-90% in the early morning and 50-55% in the afternoon.

Afternoon Heat index: 108 degrees

Dry conditions are expected.

Thursday, August 4:

Morning Low Temperature: 77 degrees

High Temperature: 98 degrees

Relative Humidity: 85-90% in the early morning and 50-55% in the afternoon

Afternoon Heat index: 110 degrees

Slight chance of thunderstorms, mainly after 4 PM. Chance of precipitation 20%.

Bonus Monday Tour Forecast:

9:30 AM KSTL 82 degrees / 76% Rel Hum / Dry

12:00 - 2:00 PM KSUS 89(noon) - 94(2P) degrees / 55-60% Rel Hum / Dry

2:30 - 4:30 PM KSET 94(230P) - 92(430P) degrees / 60% Rel Hum / 40% chance of thunderstorms after 3 PM. Up to 0.50" rainfall in thunderstorms.