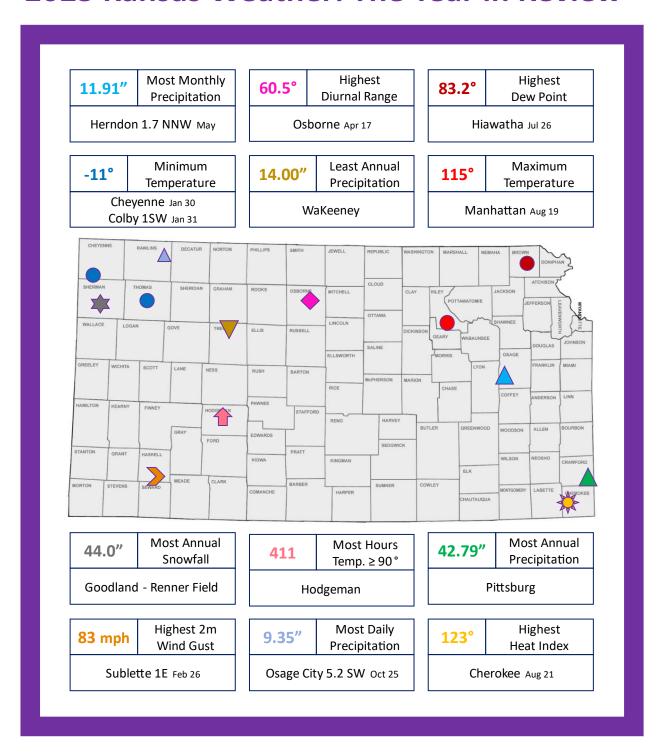
2023 Kansas Weather: The Year in Review

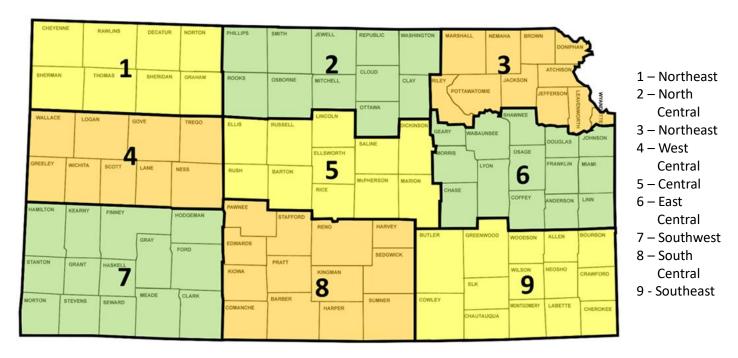


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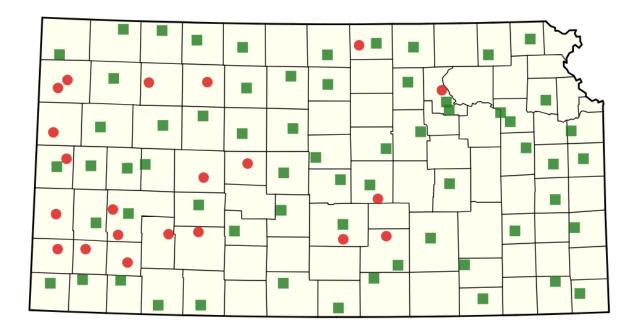
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Map of Kansas Climate Divisions



Kansas Mesonet Station Map

Kansas Mesonet station map is current as of December 31, 2023. Green squares indicate 30-foot towers while red circles indicate 10-foot tripods.

2023 Kansas Weather: The Year in Review

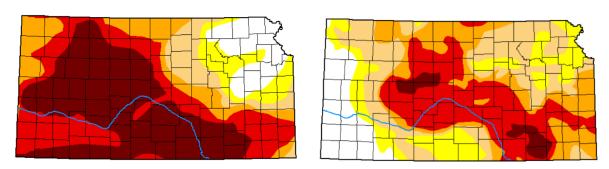
Top Weather Stories

Record Dry Spring in Parts of Kansas

March through May were very dry in parts of Kansas. Four of Kansas' nine climate divisions had a top 10 driest March-May: central (5th), south central (8th), southeast (8th) and north central (10th). A total of 29 counties in Kansas had a top 10 driest March-May, and 15 of those finished in the top 5. Four counties had their driest March-May on record: Butler, Coffey, Greenwood and Harvey, where average precipitation was between 6.3 and 7.3 inches below normal. Chautauqua County's average precipitation was nearly 8 inches below normal, the largest deficit in the state for the March-May period. Drought conditions worsened in these areas.

Mid-Year Moisture Leads to Drought Improvement in the Southwest

The three-month period from May through July was the 4th wettest on record in southwest Kansas. Precipitation across this division averaged 14.54", or 5.71" above normal. It was the wettest May-July on record in Morton County, where an average of 14.46" fell, more than 7 inches above normal. Stanton, Stevens, Clark, Comanche, Hamilton, Meade, Seward and Kearny Counties all had a top 5 wettest May-July. As a result, drought conditions rapidly improved. Some areas in D3 and D4, the two worst drought categories, at the start of May were in drought-free status by the end of July (Figs. 1a-b).



Figures 1a-b: US Drought Monitor map for Kansas on May 2, 2023 (left) and July 25, 2023 (right).

A Quiet Year for Tornadoes

Based on the 30-year period 1993-2022, Kansas averages 83 tornadoes per year. While the final numbers have not been issued by the Storm Prediction Center, the preliminary count of Kansas tornadoes in 2023 is 42 (Fig. 2). The tornadoes that did occur were primarily in northwestern Kansas and were generally weak. There were no tornadoes stronger than EF2 this year. Two EF2 tornadoes formed in Chase County on April 19th. Another EF2 tornado touched down in Brown County on May 12th. There were no tornadoes in south central or southeast Kansas.

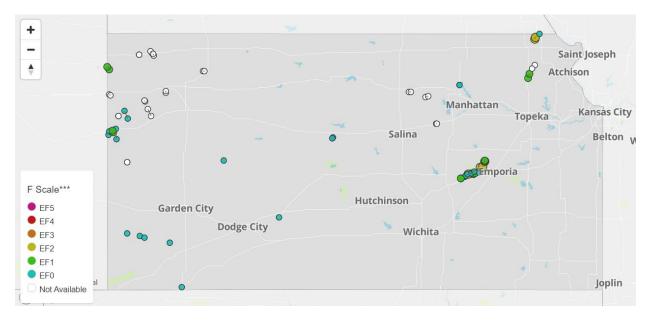


Figure 2. Location of tornado reports in Kansas in 2023. Map Source: Topeka Capital-Journal, based on data from NOAA.

August Heat Wave Brings the Hottest Temperatures in Over a Decade

A week-long heat wave broiled Kansas with temperatures well over 100 degrees. Manhattan Airport's high of 115° on August 19th was the hottest in the United States that day, and the highest reading anywhere in Kansas since 2012. It was also the hottest temperature on record at that site, where records began in 1960. Melvern Lake and Milford Lake also set all-time station records with highs of 112°, and seven additional sites tied all-time record highs, including Salina (113°) and Yates Center (111°). The average high temperature across the Kansas Mesonet ranged from 100 to 105 degrees from August 19th through the 25th, and only one site failed to reach the century mark (Fig. 3).

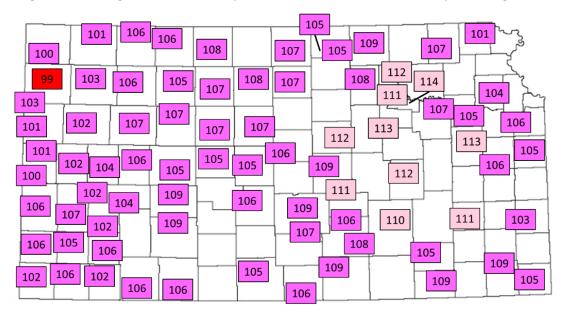


Figure 3. The hottest temperatures recorded between August 19th and 25th across the Kansas Mesonet.

Thanksgiving Weekend Snowstorm

A Thanksgiving weekend snowstorm brought accumulating snow to most of the state. The highest totals were in central Kansas, where over a foot of snow was measured in a few locations. In some places, this was the most snow from a single event in nearly a decade. In addition, the snow from this single event totaled more than what fell all of last season in some spots. South central and central Kansas had the highest snowfall totals from this event (Fig. 4), where over a foot of snow fell in parts of Reno, Harvey, Marion and Morris Counties. There were two reports of 14" of snow in Marion County, the highest amounts in the state. There were reports of 6 to 8 inches of snow in the Wichita, Manhattan, Topeka and Lawrence areas, and 4 to 6 inches in the Dodge City and Salina areas. The Kansas City metropolitan area picked up from 2 to 4 inches. In at least a dozen locations, the snowfall from this event was more than what fell during the entire winter of 2022-23.

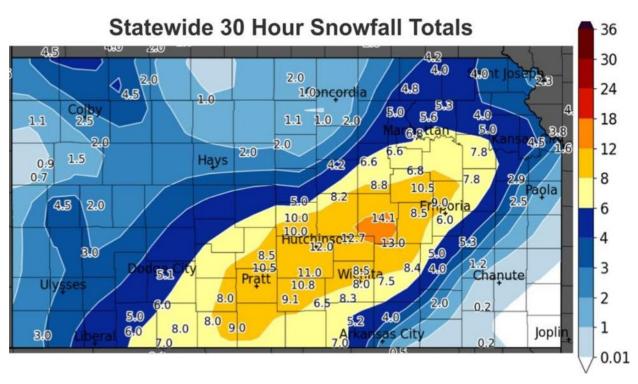


Figure 4. Snowfall totals from the Thanksgiving weekend storm. Source: National Weather Service-Wichita, KS Facebook page.

• The Return of El Niño: a Wet and Warm Start to Winter

Last winter was the third consecutive winter with La Niña conditions, termed a "triple dip La Niña". Sea surface temperatures have since increased to above normal in the equatorial Pacific, resulting in an El Niño event. The El Niño event continued to strengthen through the fall months.

On average, El Niño events bring above normal temperature and precipitation to Kansas during the winter months. December's conditions were indeed typical of an El Niño winter month, as temperatures and precipitation were both well above normal. Statewide, it was the 2nd warmest and 9th wettest December on record. With respect to departure from normal temperature, December was the most above normal month of 2023 in Kansas. December was also the month with the highest percent of

normal precipitation in 2023. By the end of December, the US Drought Monitor's Drought Severity Coverage Index (DSCI) was at its lowest point of the year, and the percentage of the state in D2 or worse drought had dropped from 69% at the start of the year down to 19%, the lowest amount since February, 2022.

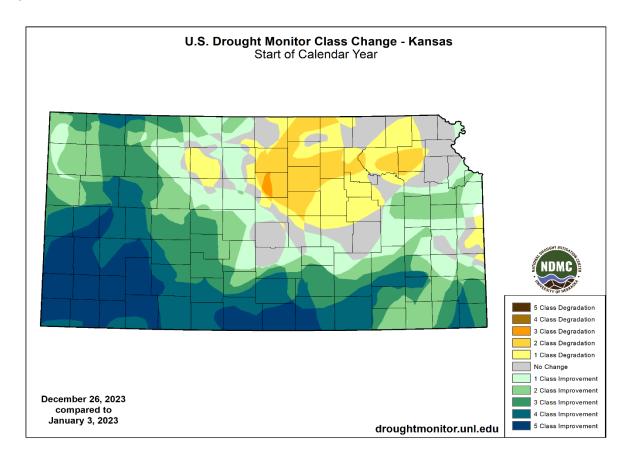


Figure 5. Changes in US Drought Monitor category across Kansas during 2023.

| 2023 Sup | erlatives | State | Division | County | |
|----------|-----------|----------------------------------|-----------------------------|-----------------------------|--|
| Year | | 25.58" (-3.42") | East Central (30.73") | Cherokee (37.32") | |
| Wettest | Month | 4.41" (July) | Southwest (6.24", Jul) | Meade (8.29", Jul) | |
| | % Norm | 199% (December) | Southwest (297%, Dec) | Edwards (338%, Dec) | |
| | Year | 25.58" (49 th Driest) | West Central (20.11") | Trego (16.86") | |
| Driest | Month | 0.57" (March) | Southwest (0.10", Mar) | Finney (0.03", Mar) | |
| | % Norm | 32% (March) | South Central (6%, Mar) | Pratt (2.6%) | |
| | Year | 56.3° (12 th Warmest) | Southeast (59.0°) | Cherokee (60.0°) | |
| Warmest | Month | 78.8° (August) | Southeast (81.1°, Aug) | Butler (82.2°, Aug) | |
| | Dep. | +6.0° (December) | NE, E. Central (+6.7°, Dec) | Doniphan, Woodson (+7.6°) | |
| | Year | 56.3° (+1.3°) | Northwest (52.7°) | Sherman (52.1°) | |
| Coldest | Month | 33.0° (January) | Northwest (27.6°, Jan) | Sherman (26.4°, Jan) | |
| | Dep. | -2.7° (March) | Northwest (-5.2°, Mar) | Cheyenne, Sheridan (-5.31°) | |

| | Northwest | North Central | Northeast | West Central | Central | East Central | Southwest | South Central | Southeast | STATE |
|------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| JAN | 0.98" | 1.16" | 1.52" | 0.94" | 1.08" | 1.51" | 0.45" | 0.98" | 1.32" | 1.07" |
| | 240% | 181% | 193% | 220% | 152% | 155% | 91% | 124% | 109% | 148% |
| | 6 th W | 12 th W | 16 th W | 13 th W | 22 nd W | 28 th W | 50 th W | 33 rd W | 43 rd W | 25 th W |
| FEB | 0.70" | 0.74" | 2.07" | 0.66" | 0.75" | 2.21" | 0.41" | 0.87" | 1.90" | 1.10" |
| | 128% | 87% | 176% | 116% | 74% | 156% | 82% | 80% | 119% | 113% |
| | 38 th W | 63 rd W | 12 th W | 42 nd W | 63 rd D | 17 th W | 63 rd D | 58 th W | 34 th W | 40 th W |
| MAR | 0.48" | 0.42" | 1.16" | 0.22" | 0.30" | 1.60" | 0.10" | 0.12" | 1.04" | 0.57" |
| | 46% | 28% | 55% | 20% | 17% | 67% | 8% | 6% | 38% | 32% |
| | 35 th D | 21 st D | 37 th D | 19 th D | 12 th D | 38 th D | 6 th D | 4 th D | 14 th D | 15 th D |
| APR | 0.45" | 0.97" | 2.56" | 0.65" | 1.11" | 1.78" | 1.90" | 1.25" | 1.25" | 1.32" |
| | 23% | 39% | 74% | 37% | 45% | 48% | 114% | 48% | 30% | 49% |
| | 8 th D | 16 th D | 56 th D | 17 th D | 20 th D | 17 th D | 46 th W | 24 th D | 7 th D | 17 th D |
| MAY | 5.28" | 2.89" | 4.02" | 3.69" | 2.79" | 4.16" | 3.44" | 2.84" | 3.98" | 3.62" |
| | 171% | 67% | 80% | 128% | 61% | 77% | 134% | 65% | 67% | 86% |
| | 15 th W | 50 th D | 58 th D | 35 th W | 37 th D | 52 nd D | 39 th W | 42 nd D | 45 th D | 64 th W |
| JUN | 3.94" | 3.35" | 2.44" | 4.33" | 5.21" | 2.20" | 4.86" | 5.92" | 2.82" | 4.01" |
| | 133% | 88% | 50% | 148% | 131% | 44% | 154% | 138% | 52% | 99% |
| | 32 nd W | 53 rd D | 18 th D | 24 th W | 31 st W | 11 th D | 12 th W | 21 st W | 25 th D | 60 th W |
| JUL | 3.44" | 3.65" | 5.08" | 3.62" | 3.25" | 3.97" | 6.24" | 5.44" | 4.23" | 4.41" |
| | 99% | 87% | 110% | 107% | 80% | 91% | 200% | 149% | 100% | 114% |
| | 41 st W | 57 th W | 32 nd W | 37 th W | 60 th W | 54 th W | 5 th W | 10 th W | 47 th W | 33 rd W |
| AUG | 3.09" | 4.19" | 3.07" | 2.50" | 3.47" | 2.11" | 1.86" | 2.79" | 3.20" | 2.89" |
| | 103% | 118% | 77% | 86% | 94% | 51% | 63% | 78% | 82% | 82% |
| | 39 th W | 32 nd W | 39 th D | 57 th W | 52 nd W | 27 th D | 45 th D | 61 st W | 62 nd W | 59 th D |
| SEP | 0.61" | 1.59" | 1.48" | 1.42" | 1.09" | 2.17" | 1.89" | 1.90" | 2.11" | 1.63" |
| | 37% | 65% | 44% | 91% | 44% | 58% | 132% | 82% | 54% | 65% |
| | 16 th D | 33 rd D | 13 th D | 61 st D | 10 th D | 24 th D | 49 th W | 47 th D | 32 nd D | 26 th D |
| ОСТ | 0.59" | 1.09" | 1.84" | 0.62" | 1.72" | 4.59" | 0.89" | 1.95" | 3.39" | 1.87" |
| | 37% | 55% | 67% | 40% | 80% | 152% | 52% | 76% | 97% | 81% |
| | 43 rd D | 42 nd D | 48 th D | 46 th D | 61 st D | 26 th W | 58 th D | 63 rd W | 53 rd W | 60 th W |
| NOV | 0.25" | 0.96" | 1.28" | 0.21" | 1.22" | 1.60" | 0.29" | 1.47" | 1.41" | 0.97" |
| | 35% | 82% | 73% | 32% | 102% | 79% | 46% | 112% | 60% | 74% |
| | 43 rd D | 60 th W | 63 rd W | 46 th D | 50 th W | 64 th W | 56 th D | 50 th W | 50 th D | 63 rd D |
| DEC | 0.86" | 1.63" | 2.26" | 1.25" | 2.06" | 2.83" | 2.18" | 2.79" | 2.83" | 2.13" |
| | 157% | 175% | 174% | 216% | 194% | 187% | 297% | 243% | 160% | 199% |
| | 21 st W | 14 th W | 15 th W | 9 th W | 12 th W | 13 th W | 3 rd W | 6 th W | 19 th W | 9 th W |
| YEAR | 20.67" | 22.64" | 28.78" | 20.11" | 24.05" | 30.73" | 24.51" | 28.32" | 29.49" | 25.58" |
| | 99% | 81% | 82% | 99% | 82% | 82% | 122% | 95% | 72% | 88% |
| | 55 th W | 34 th D | 28 th D | 52 nd W | 42 nd D | 32 nd D | 14 th W | 57 th W | 20 th D | 49 th D |

Table 1. Divisional precipitation totals, percents of normal, and ranks amongst all months of the specified month between 1895 and 2023. W refers to a wettest rank, while D refers to a driest rank.

| | Northwest | North Central | Northeast | West Central | Central | East Central | Southwest | South Central | Southeast | STATE |
|------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| JAN | 27.6° | 30.4° | 31.9° | 29.7° | 33.0° | 34.7° | 33.3° | 36.0° | 37.9° | 33.0° |
| | -2.2° | +2.0° | +4.2° | -1.3° | +2.3° | +4.5° | +0.4° | +3.0° | +4.8° | +1.9° |
| | 61 st C | 31 st W | 18 th W | 64 th W | 24 th W | 13 th W | 42 nd W | 16 th W | 11 th W | 26 th W |
| FEB | 30.4° | 32.9° | 34.4° | 32.0° | 35.2° | 37.3° | 35.6° | 37.3° | 39.4° | 35.2° |
| | -2.2° | +0.4° | +2.0° | -2.0° | +0.5° | +2.5° | -0.8° | +0.3° | +1.8° | +0.2° |
| | 55 th C | 50 th W | 35 th W | 54 th C | 45 th W | 30 th W | 61 st W | 47 th W | 35 th W | 49 th W |
| MAR | 37.1° | 40.0° | 40.9° | 39.2° | 42.2° | 43.5° | 42.6° | 44.6° | 45.9° | 42.1° |
| | -5.2° | -3.0° | -2.5° | -4.3° | -2.7° | -1.7° | -2.9° | -2.0° | -1.4° | -2.7° |
| | 39 th C | 52 nd C | 55 th C | 44 th C | 57 th C | 61 st C | 54 th C | 60 th C | 61 st C | 57 th C |
| APR | 50.7° | 53.8° | 54.3° | 52.3° | 55.3° | 56.4° | 54.2° | 56.1° | 57.0° | 54.6° |
| | +0.1° | +1.1° | +0.8° | +0.4° | +1.2° | +1.5° | +0.4° | +0.5° | +0.3° | +0.7° |
| | 60 th W | 47 th W | 49 th W | 55 th W | 43 rd W | 42 nd W | 54 th W | 54 th W | 54 th W | 50 th W |
| MAY | 62.8° | 65.8° | 65.6° | 64.5° | 66.3° | 66.6° | 66.0° | 66.7° | 66.9° | 65.8° |
| | +2.2° | +3.0° | +1.8° | +2.4° | +2.1° | +2.0° | +1.8° | +1.2° | +1.2° | +1.9° |
| | 34 th W | 23 rd W | 32 nd W | 24 th W | 27 th W | 30 th W | 27 th W | 37 th W | 44 th W | 29 th W |
| JUN | 70.3° | 74.0° | 73.8° | 70.9° | 74.5° | 74.8° | 71.4° | 74.5° | 75.6° | 73.4° |
| | -1.5° | +0.2° | +0.3° | -2.1° | -0.5° | +0.6° | -3.1° | -1.3° | +0.5° | -0.8° |
| | 58 th C | 50 th W | 51 st W | 43 nd C | 60 th W | 44 th W | 23 rd C | 55 th C | 50 th W | 61 st C |
| JUL | 75.6° | 77.6° | 76.8° | 77.0° | 79.5° | 78.8° | 78.2° | 79.7° | 80.1° | 78.3° |
| | -1.5° | -1.1° | -1.1° | -1.2° | -0.3° | +0.1° | -1.1° | -0.8° | +0.4° | -0.7° |
| | 39 th C | 44 th C | 44 th C | 49 th C | 60 th W | 57 th W | 47 th C | 58 th C | 58 th W | 56 th C |
| AUG | 75.9° | 78.5° | 77.6° | 77.1° | 80.1° | 79.8° | 78.0° | 80.2° | 81.1° | 78.8° |
| | +1.0° | +2.1° | +1.6° | +1.3° | +2.3° | +2.5° | +0.8° | +1.5° | +2.6° | +1.7° |
| | 42 nd W | 32 nd W | 35 th W | 40 th W | 26 th W | 19 th W | 54 th W | 45 th W | 24 th W | 33 rd W |
| SEP | 69.4° | 71.8° | 71.1° | 71.1° | 73.2° | 72.8° | 72.4° | 74.0° | 73.7° | 72.3° |
| | +3.0° | +3.8° | +3.5° | +3.4° | +3.8° | +4.0° | +3.2° | +3.4° | +3.4° | +3.5° |
| | 18 th W | 14 th W | 16 th W | 15 th W | 13 th W | 16 th W | 16 th W | 15 th W | 21 st W | 14 th W |
| ОСТ | 53.9° | 57.3° | 57.2° | 55.9° | 58.7° | 58.9° | 57.6° | 59.9° | 60.4° | 58.0° |
| | +0.7° | +2.2° | +1.7° | +1.4° | +2.0° | +2.0° | +1.3° | +1.9° | +1.9° | +1.8° |
| | 56 th W | 35 th W | 45 th W | 42 nd W | 34 th W | 35 th W | 41 st W | 35 th W | 35 th W | 37 th W |
| NOV | 42.8° | 44.4° | 43.3° | 43.9° | 45.2° | 45.6° | 45.6° | 46.4° | 47.6° | 45.2° |
| | +2.4° | +2.8° | +1.1° | +2.4° | +1.9° | +1.4° | +2.3° | +1.5° | +1.3° | +1.9° |
| | 21 st W | 18 th W | 44 th W | 20 th W | 27 th W | 36 th W | 23 rd W | 26 th W | 37 th W | 24 th W |
| DEC | 36.4° | 37.4° | 38.2° | 36.9° | 39.3° | 40.5° | 39.2° | 40.9° | 42.4° | 39.2° |
| | +5.4° | +6.3° | +6.7° | +4.8° | +6.4° | +6.7° | +5.4° | +6.1° | +6.3° | +6.0° |
| | 3 rd W | 2 nd W | 3 rd W | 6 th W | 2 nd W | 2 nd W | 3 rd W | 2 nd W | 2 nd W | 2 nd W |
| YEAR | 52.7° | 55.3° | 55.4° | 54.2° | 56.9° | 57.5° | 56.2° | 58.0° | 59.0° | 56.3° |
| | +0.2° | +1.6° | +1.7° | +0.4° | +1.6° | +2.2° | +0.6° | +1.3° | +1.9° | +1.3° |
| | 32 nd W | 11 th W | 12 th W | 27 th W | 10 th W | 4 th W | 24 th W | 13 th W | 11 th W | 12 th W |

Table 2. Divisional temperature averages, departures from normal, and ranks amongst all months of the specified month between 1895 and 2023. W refers to a warmest rank, while C refers to a coldest rank.

January 2023

| Temperature | | Precipitation |
|--------------------------|-----------|--------------------------|
| 33.0° | Average | 1.07" |
| +1.9° | Departure | +0.35" |
| 26 th Warmest | Rank | 25 th Wettest |

It was a mild start to the year, with a storm system more reminiscent of early spring than winter affecting the state on the 2nd. Snow fell in the far northwest, with rain and thunderstorms in the east. An extended period of mild weather followed this system for most areas, but the snow that fell early in the month was slow to melt, keeping the northwest cooler than the remainder of the state, but still above seasonal normals through mid-month. The average daily temperature across the Kansas Mesonet was above normal for the first 20 days of the year, the longest stretch in 2023. In the second half of January, three separate storm systems affected Kansas in the span of just over a week, bringing ample precipitation to the entire state, resulting in above normal monthly totals for many areas. With the first event on the 17th and 18th, snow fell in the northern part of the state, while it was a soaking rain in the east, with sleet mixed in at a few locations. The second event was mainly on the 21st, which brought snow to more areas, particularly in the northern two-thirds of Kansas. The third precipitation event was on the 24th and 25th, which fell in the form of both rain and snow, was focused on the southeastern half of the state. Late in the month, a strong cold front swept across the state, bringing much colder air. Lows in the single digits above and below zero were common in all but southeast Kansas on the 29th and 30th, with daytime highs remaining well below freezing. The average daily temperatures across the Kansas Mesonet on January 29th (10.7°), 30th (9.9°) and 31st (13.4°) were the three coldest days of the year. The Cheyenne County Mesonet site recorded the coldest temperature of the year on the morning of the 30th at -11°. The co-operative observer in Colby also recorded -11° the following day.

All divisions except northwest and west central Kansas had above normal average temperatures for the month. Departures ranged from -2.2° in the northwest to +4.5° in the southeast. It was the 11th warmest January on record for southeast Kansas, and the warmest January since 2012. Eleven counties had a top 10 warmest January, dating back to 1895. Meanwhile, Goodland had a monthly average temperature of 25.2°, or 4.8° below normal. While not top 10, this ranked as the 23rd coldest January on record, dating back to 1888. It was even colder in the northwesternmost county in Kansas. The Kansas Mesonet site in Cheyenne County had an average temperature of 23.4°, aided in part by a low of -11° on the 30th, which tied for the coldest temperature recorded in the state for the month. Compared to the normal temperatures at nearby St. Francis, this average was 6.0° below normal.

Only one division had below average precipitation: southwest Kansas, which received 0.45", or 91% of normal. The highest total precipitation was northeast Kansas, with 1.52", which ranked as the 16th wettest January in that division. Northwest Kansas had the highest ranking; their 0.98" (240% of normal) ranked as their 6th wettest January. Thirteen counties had a top 10 wettest January, and three managed a top 5 wettest: Cheyenne, Marshall and Norton, which all had their 4th wettest January. In addition, Goodland's 16.4" of snow was their 4th snowiest January in 113 years, and the snowiest January since 1988.

January 2023 County Data

| Total Precipitation (in) | | | | Average Temperature (°F) | | | | |
|--------------------------|-----------|-------|----------|--------------------------|-----------------|------------|---------|----------------|
| | Wettest | | Driest | | Warmest Coldest | | Coldest | |
| Value | County | Value | County | Rank | Value | County | Value | County |
| 2.41 | Miami | 0.19 | Morton | 1 | 40.2 | Cherokee | 26.4 | Sherman |
| 2.32 | Linn | 0.22 | Stevens | 2 | 39.1 | Labette | 26.8 | Cheyenne |
| 2.16 | Johnson | 0.24 | Seward | 3 | 39.0 | Crawford | 27.2 | Decatur |
| 2.07 | Anderson | 0.26 | Stanton | 4 | 38.6 | Montgomery | 27.6 | Norton |
| 2.03 | Wyandotte | 0.32 | Grant | 5 | 38.4 | Neosho | 27.6 | Rawlins |
| 1.99 | Allen | 0.41 | Meade | 6 | 38.4 | Chautauqua | 27.8 | Thomas |
| 1.93 | Franklin | 0.45 | Clark | 7 | 38.2 | Sumner | 28.1 | Wallace |
| 1.84 | Marshall | 0.45 | Haskell | 8 | 38.1 | Wilson | 28.5 | Sheridan |
| 1.76 | Nemaha | 0.49 | Ford | 9 | 38.1 | Harper | 28.9 | Phillips |
| 1.75 | Bourbon | 0.49 | Hodgeman | 10 | 38.1 | Bourbon | 29.0 | Greeley, Logan |

| Wettest Month | Rank | County | Value | | Rank | County | Value | Warmest Month |
|---------------|------|----------|-------|---|------|----------|-------|---------------|
| Ranking | 4 | Cheyenne | 1.10 | 1 | 8 | Allen | 37.7 | Ranking |
| | 4 | Marshall | 1.84 | 2 | 8 | Bourbon | 38.1 | |
| Highest | 4 | Norton | 1.19 | 3 | 8 | Cherokee | 40.2 | Highest |
| Ranked | 6 | Logan | 1.07 | 4 | 8 | Crawford | 39.0 | Ranked |
| Counties | 6 | Sherman | 1.04 | 5 | 8 | Linn | 37.2 | Counties |
| Driest Month | Rank | County | Value | | Rank | County | Value | Coldest Month |
| Ranking | 46 | Morton | 0.19 | 1 | 46 | Sherman | 26.4 | Ranking |
| | 54 | Seward | 0.24 | 2 | 50 | Cheyenne | 26.8 | |
| Highest | 59 | Stevens | 0.22 | 3 | 50 | Wallace | 28.1 | Highest |
| Ranked | 68 | Stanton | 0.26 | 4 | 57 | Greeley | 29.0 | Ranked |
| Counties | 72 | Clark | 0.45 | 5 | 58 | Thomas | 27.8 | Counties |

| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
|---------------|-------|----------|---------|---|------|----------|-------|-------------|
| Monthly | +1.17 | Miami | 2.41 | 1 | +5.8 | Linn | 37.2 | Monthly |
| Precipitation | +1.10 | Marshall | 1.84 | 2 | +5.6 | Bourbon | 38.1 | Temperature |
| | +1.04 | Nemaha | 1.76 | 3 | +5.6 | Allen | 37.7 | |
| Most Above | +0.99 | Johnson | 2.16 | 4 | +5.5 | Woodson | 37.6 | Most Above |
| Normal | +0.98 | Linn | 2.32 | 5 | +5.4 | Crawford | 39.0 | Normal |
| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
| Monthly | -0.26 | Seward | 0.24 | 1 | -3.8 | Sherman | 26.4 | Monthly |
| Precipitation | -0.23 | Clark | 0.45 | 2 | -3.3 | Cheyenne | 26.8 | Temperature |
| | -0.22 | Stevens | 0.22 | 3 | -2.9 | Wallace | 28.1 | |
| Most Below | -0.21 | Crawford | 1.40 | 4 | -2.2 | Thomas | 27.8 | Most Below |
| Normal | -0.20 | Morton | 0.19 | 5 | -2.2 | Greeley | 29.0 | Normal |

| February | 2023 |
|----------|------|
|----------|------|

| Temperature | | Precipitation |
|--------------------------|-----------|--------------------------|
| 35.2° | Average | 1.10" |
| +0.2° | Departure | +0.13" |
| 49 th Warmest | Rank | 40 th Wettest |

February's temperatures, while averaging close to normal, varied greatly during the month. Periods of warm and cold typically lasted 2 to 3 days before switching from one extreme to the other. Over a dozen Kansas Mesonet sites recorded both a below zero low and a high in the 70s during the month. Despite the variety of temperatures, what precipitation fell was typically rain, except in the northwest part of the state, where it was mainly snow. A mid-month storm dropped up to a foot of snow in Wallace County. Goodland picked up 9.8" of snow during the month. Combined with January's 16.4", the two-month total of 26.2" is the third highest snowfall to start the year on record, and the most in nearly 40 years. The last week of the month was especially volatile, as a very strong cold front led to an over 60-degree range in temperatures across the state on the afternoon of the 22nd, when it was nearly 70 degrees in southeast Kansas but in the single digits in the northwest. An early season severe weather event affected mainly southwest Kansas on the 26th, spawning the first tornado in the state this year. It was an EFO in Seward County that caused only minor damage on the east side of the town of Liberal. There were 5 hail reports that day, the largest of which was 1.5" in diameter near Plymell in Finney County. There were also 18 severe wind gust reports on the 26th, the highest of which was a 97-mph gust measured by the Kansas Mesonet site in Hodgeman County. The first 80° reading of the year was also recorded on the 26th in Kearny County by the co-operative observer in Lakin, and also in Stanton County at the Kansas Mesonet site 10 miles northwest of Moscow.

Divisional average temperature departures ranged from -2.2° in northwest Kansas to +2.5° in east central Kansas. The three western Kansas divisions were all below normal, while all divisions in the eastern two-thirds of the state were above normal. While Cherokee County was warmest (42.5°), Johnson County was the most above normal for the month (+3.6°). Norton County was coldest (29.1°), while Greeley County was the most below normal (-3.3°). The three eastern Kansas divisions all had above normal precipitation, as did northwest and west central Kansas. East central Kansas had the highest total (2.21"), followed by northeast Kansas (2.07"). The highest monthly totals at individual locations were mostly in the northeast. A CoCoRaHS observer 8 miles south-southwest of Hiawatha in Brown County recorded the month's highest total precipitation, with 3.89". Doniphan (3.25"), Atchison (3.00") and Brown (2.99") were the three wettest counties in February, and all three placed in the top five wettest Februarys on record in their respective counties. Doniphan and Atchison's totals ranked them each as 4th wettest, while Brown's total was the 5th wettest February on record. Stanton County was the driest in the state, averaging 0.24" for the month, followed by Morton County at 0.30".

February 2023 County Data

| Total Precipitation (in) | | | | Average Temperature (°F) | | | | |
|--------------------------|-------------|-------------|---------------|--------------------------|-----------------|------------|---------|----------|
| | Wettest | | Driest | | Warmest Coldest | | Coldest | |
| Value | County | Value | County | Rank | Value | County | Value | County |
| 3.25 | Doniphan | 0.24 | Stanton | 1 | 42.5 | Cherokee | 29.1 | Norton |
| 3.00 | Atchison | 0.30 Morton | | 2 | 41.2 | Labette | 29.4 | Decatur |
| 2.99 | Brown | 0.35 | Meade | 3 | 40.7 | Montgomery | 30.2 | Phillips |
| 2.66 | Cherokee | 0.37 | Gray | 4 | 40.7 | Crawford | 30.2 | Sheridan |
| 2.62 | Jefferson | 0.37 | Seward | 5 | 40.2 | Neosho | 30.5 | Rawlins |
| 2.59 | Wilson | 0.38 | Grant | 6 | 40.1 | Chautauqua | 30.5 | Smith |
| 2.49 | Miami | 0.38 | Hamilton | 7 | 39.7 | Wilson | 30.7 | Cheyenne |
| 2.42 | Leavenworth | 0.40 | Haskell | 8 | 39.4 | Bourbon | 30.7 | Greeley |
| 2.42 | Douglas | 0.42 | Stevens | 9 | 39.3 | Cowley | 30.7 | Thomas |
| 2.40 | Johnson | 0.43 | Ford, Lincoln | 10 | 39.2 | Allen | 30.9 | Wallace |

| Wettest Month | Rank | County | Value | | Rank | County | Value | Warmest Month |
|---------------|------|-----------|-------|---|------|-------------|-------|---------------|
| Ranking | 4 | Atchison | 3.00 | 1 | 21 | Wyandotte | 38.0 | Ranking |
| | 4 | Doniphan | 3.25 | 2 | 23 | Johnson | 38.2 | |
| Highest | 5 | Brown | 2.99 | 3 | 24 | Leavenworth | 37.3 | Highest |
| Ranked | 8 | Jefferson | 2.62 | 4 | 24 | Miami | 38.5 | Ranked |
| Counties | 8 | Wabaunsee | 2.33 | 5 | 25 | Osage | 37.8 | Counties |
| Driest Month | Rank | County | Value | | Rank | County | Value | Coldest Month |
| Ranking | 41 | Lincoln | 0.43 | 1 | 42 | Greeley | 30.7 | Ranking |
| | 50 | Ellsworth | 0.50 | 2 | 48 | Hamilton | 33.0 | |
| Highest | 50 | Osborne | 0.51 | 3 | 49 | Wallace | 30.9 | Highest |
| Ranked | 53 | Russell | 0.51 | 4 | 50 | Stanton | 34.7 | Ranked |
| Counties | 53 | Stanton | 0.24 | 5 | 52 | Decatur | 29.4 | Counties |

| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
|---------------|-------|-----------|---------|---|------|-------------|-------|-------------|
| Monthly | +2.05 | Doniphan | 3.25 | 1 | +3.6 | Johnson | 38.2 | Monthly |
| Precipitation | +1.87 | Brown | 2.99 | 2 | +3.5 | Wyandotte | 38.0 | Temperature |
| | +1.78 | Atchison | 3.00 | 3 | +3.3 | Miami | 38.5 | |
| Most Above | +1.32 | Jefferson | 2.62 | 4 | +3.3 | Coffey | 38.8 | Most Above |
| Normal | +1.08 | Wabaunsee | 2.33 | 5 | +3.2 | Leavenworth | 37.3 | Normal |
| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
| Monthly | -0.52 | Ellsworth | 0.50 | 1 | -3.3 | Greeley | 30.7 | Monthly |
| Precipitation | -0.48 | Lincoln | 0.43 | 2 | -3.2 | Norton | 29.1 | Temperature |
| | -0.34 | Kingman | 0.88 | 3 | -2.8 | Decatur | 29.4 | |
| Most Below | -0.34 | Saline | 0.74 | 4 | -2.7 | Sheridan | 30.2 | Most Below |
| Normal | -0.33 | Stafford | 0.64 | 5 | -2.6 | Wallace | 30.9 | Normal |

| March | 2023 |
|----------|------|
| IVIGICII | 2023 |

| Temperature | | Precipitation |
|--------------------------|-----------|-------------------------|
| 42.1° | Average | 0.57" |
| -2.7° | Departure | -1.22" |
| 57 th Coldest | Rank | 15 th Driest |

March started out fairly mild. The 5th was unseasonably warm, with daytime highs in the 70s in most areas, but a few locations topped 80 degrees, including both Ashland and Medicine Lodge where the highs reached 82°. Most of the month was cooler than normal; between the 7th and 29th there were only 4 out of 23 days in which average temperatures across the Kansas Mesonet were above normal. The 18th and 19th were particularly cold. Highs on the 18th were mostly in the 30s. On the morning of the 19th, over half the Kansas Mesonet sites recorded low temperatures in the single digits, with the remainder of the sites in the teens. The Gray County site recorded the month's lowest temperature that morning of 1°. A quick warmup followed, and three days later, the Barber County site recorded 85°, which tied for the warmest reading of the month. The co-op site in Wallace also reached 85° on the last day of March. Monthly temperature departures ranged from -5.1° in the northwest to -1.5° in southeast Kansas. Every county's average temperature in March was at least 1° below normal, with Rawlins County the most below normal (-5.5°) as well as the coldest county, with an average temperature for the month of 36.5°.

The average statewide precipitation for March was only 32% of normal, and was the driest March since 2015. All divisions were below normal for the month. East central Kansas averaged the most precipitation and highest percent of normal (1.60", 67%). Within east central Kansas, there were four counties that had above normal precipitation for the month, and were the only ones in the state to finish March with a precipitation surplus: Johnson (+0.33"), Wyandotte (+0.18"), Douglas (+0.16") and Leavenworth (+0.03"). Clinton Lake had 3.91" for March, the highest total in the state. The co-op site in Lawrence had 3.10" of precipitation; normal for March is 2.32". But one county west, Topeka had only 1.61" for the month, below their average of 2.24". Southwest Kansas had the lowest monthly total (0.10", 8%) while south central had the lowest percent of normal (0.12", 6%). This was the 4th driest March in 129 years in south central Kansas, and southwest Kansas tied for 6th driest, dating back to 1895. Southwest Kansas' long-term lack of precipitation continued; this was the 18th consecutive month with below normal precipitation. Garden City had only 0.01" during March, the 4th driest March on record in 130 years. South central Kansas was also very dry. The co-op observer in Argonia in Sumner County had no precipitation in March, as did the CoCoRaHS observer 4 miles east of Pratt. Twenty-seven counties had a top 10 driest March, and seven ranked in the top five, led by Finney County which had their 3rd driest March on record, averaging only 0.03" for the month, one of fourteen counties that averaged less than a tenth of an inch for March.

With cooler air in place for much of the month, some of the precipitation fell as snow. While light amounts of snow were observed in many areas during the month, the largest totals were confined to northwestern Kansas. The co-op observer in Atwood measured 7.8" of snow during the month, the highest total in the state. Goodland's 5.3" of snow in March brings their total since September 1st to 40.8", the highest value in Kansas and more than a foot above the normal total of 26.5".

March 2023 County Data

| | Total Precipitation (in) | | | | Average Temperature (°F) | | | | | |
|-------|--------------------------|-------|-----------------|------|--------------------------|------------|-------|----------|--|---------|
| | Wettest | | Driest | | Driest | | | Warmest | | Coldest |
| Value | County | Value | County | Rank | Value | County | Value | County | | |
| 2.73 | Johnson | 0.03 | Finney | 1 | 47.2 | Cherokee | 36.7 | Rawlins | | |
| 2.57 | Wyandotte | 0.04 | Kearny | 2 | 46.8 | Labette | 36.8 | Cheyenne | | |
| 2.48 | Douglas | 0.05 | Pratt | 3 | 46.7 | Montgomery | 36.8 | Sherman | | |
| 2.41 | Miami | 0.06 | Grant | 4 | 46.5 | Chautauqua | 36.9 | Decatur | | |
| 2.39 | Cherokee | 0.07 | Barber | 5 | 46.4 | Sumner | 37.0 | Thomas | | |
| 2.37 | Leavenworth | 0.07 | Comanche | 6 | 46.4 | Cowley | 37.4 | Sheridan | | |
| 2.23 | Franklin | 0.07 | Morton | 7 | 46.2 | Harper | 37.5 | Norton | | |
| 2.07 | Anderson | 0.08 | Harper | 8 | 46.0 | Wilson | 37.8 | Wallace | | |
| 1.80 | Linn | 0.08 | Kingman | 9 | 46.0 | Neosho | 38.2 | Graham | | |
| 1.71 | Osage | 0.09 | 5 counties tied | 10 | 45.9 | Barber | 38.4 | Phillips | | |

| Wettest Month | Rank | County | Value | | Rank | County | Value | Warmest Month |
|---------------|------|-------------|-------|---|------|-----------|-------|---------------|
| Ranking | 46 | Johnson | 2.73 | 1 | 60 | Lyon | 44.2 | Ranking |
| | 51 | Wyandotte | 2.57 | 2 | 61 | Coffey | 44.8 | |
| Highest | 55 | Douglas | 2.48 | 3 | 63 | Woodson | 45.6 | Highest |
| Ranked | 56 | Leavenworth | 2.37 | 4 | 64 | Dickinson | 43.2 | Ranked |
| Counties | 61 | Rawlins | 0.88 | 5 | 64 | Harvey | 44.6 | Counties |
| Driest Month | Rank | County | Value | | Rank | County | Value | Coldest Month |
| Ranking | 3 | Finney | 0.03 | 1 | 36 | Graham | 38.2 | Ranking |
| | 4 | Kingman | 0.08 | 2 | 37 | Decatur | 36.9 | |
| Highest | 5 | Harper | 0.08 | 3 | 37 | Trego | 38.9 | Highest |
| Ranked | 5 | Harvey | 0.20 | 4 | 38 | Rooks | 39.2 | Ranked |
| Counties | 5 | Kearny | 0.04 | 5 | 38 | Sheridan | 37.4 | Counties |

| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
|---------------|-------|-------------|---------|---|------|-----------|-------|-------------|
| Monthly | +0.33 | Johnson | 2.73 | 1 | -0.9 | Woodson | 45.6 | Monthly |
| Precipitation | +0.18 | Wyandotte | 2.57 | 2 | -1.0 | Coffey | 44.8 | Temperature |
| | +0.16 | Douglas | 2.48 | 3 | -1.0 | Lyon | 44.2 | |
| Most Above | +0.03 | Leavenworth | 2.37 | 4 | -1.0 | Greenwood | 45.2 | Most Above |
| Normal | -0.10 | Miami | 2.41 | 5 | -1.2 | Allen | 45.4 | Normal |
| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
| Monthly | -2.33 | Sumner | 0.17 | 1 | -5.3 | Sheridan | 37.4 | Monthly |
| Precipitation | -2.29 | Harper | 0.08 | 2 | -5.3 | Cheyenne | 36.8 | Temperature |
| | -2.29 | Cowley | 0.40 | 3 | -5.3 | Rawlins | 36.7 | |
| Most Below | -2.24 | Kingman | 0.08 | 4 | -5.2 | Graham | 38.2 | Most Below |
| Normal | -2.19 | Sedgwick | 0.16 | 5 | -5.2 | Decatur | 36.9 | Normal |

April 2023

| Temperature | | Precipitation |
|--------------------------|-----------|-------------------------|
| 54.6° | Average | 1.32" |
| +0.7° | Departure | -1.36" |
| 50 th Warmest | Rank | 17 th Driest |

The month of April featured periods of both very warm and very cool conditions. It was unusual in that the last half of April was cooler than the first half by about 3 degrees. The first third of the month was variable, with mild days and chilly nights. The 5th and 6th were the coldest of the month, when most of the state had lows below freezing. The COOP observer 1 mile west of Tribune in Greeley County recorded the month's coldest reading, with a low of 12° on the 5th. Almost half of the Kansas Mesonet sites had lows in the teens on the morning of the 6th. Temperatures quickly moderated, and the period between the 11th and 19th had the warmest readings of the month. At least one Kansas Mesonet site had a high in the 90s on five of those nine days. The 13th had the highest readings, including 97° in Atwood, in Rawlins County, which tied the record high for the month of April at that location. Wallace's high of 96° that day also tied their monthly record, set back in 1910. A strong storm system swept through the state on the 19th, spawning 8 tornadoes, with Chase County the hardest hit as an EF2 tornado struck with winds estimated at 125 mph. This same storm system dropped 4" diameter hail 4 miles north-northeast of Cedar Point and an 85-mph wind gust at the Mesonet site in Chase County near Elmdale. Temperatures cooled off significantly behind this system, and it remained cool for the rest of the month. The average temperature across the Kansas Mesonet was below normal for each of the last 11 days of the month. The 23rd was the coldest morning, with lows in the teens and 20s across much of the state. Goodland's coldest low of the month occurred on this day with a low of 17°, well below the normal low for the date of 38°. Despite the late-month cool spell, all divisions still finished above normal for the month. Departures ranged from +0.1° in northwest and southeast Kansas to +1.5° in east central Kansas. Only sixteen counties averaged below normal in April, with Montgomery County the most below normal (-0.6°). Coffey and Osage Counties tied for the most above normal (+2.1°).

The average statewide precipitation for April was 49% of normal. Northwest Kansas was the driest division (0.45", 23%), where it was the 8th driest April on record. Southeast Kansas had their 7th driest April on record (1.26", 30%). Twenty-six counties had a top 10 driest April, and eight counties placed in the top 5. Of these, Rooks (0.37"), Bourbon (0.65") and Neosho (0.73") all had their second-driest April, and Crawford County (0.86") had its third-driest. Graham, Mitchell and Montgomery Counties all finished as fourth-driest, with Osborne County experiencing their fifth-driest April.

The only division with above normal precipitation was southwest Kansas (1.90", 114%), which ended a string of 18 consecutive months with below normal precipitation. All ten counties that had above normal precipitation in April were in the southwest, led by Stanton (+0.85") and Morton (+0.80") Counties. Marshall (2.98") was the wettest county, where three observers measured over 4" of rain for the month. Not to be outdone, two CoCoRaHS observers southwest of the town of Ottawa recorded over 5" of rain, but these were very isolated as Franklin County as a whole only averaged 2.18" for the month.

April 2023 County Data

| | Total Precipitation (in) | | | | Average Temperature (°F) | | | (°F) |
|-------|--------------------------|-------|----------|------|--------------------------|----------------|-------|----------------|
| | Wettest | | Driest | | | Warmest | | Coldest |
| Value | County | Value | County | Rank | Value | County | Value | County |
| 2.98 | Marshall | 0.27 | Decatur | 1 | 58.0 | Cherokee | 49.4 | Cheyenne |
| 2.82 | Brown | 0.30 | Norton | 2 | 57.5 | Coffey | 49.7 | Sherman |
| 2.73 | Nemaha | 0.32 | Graham | 3 | 57.3 | Crawford | 50.2 | Rawlins |
| 2.72 | Atchison | 0.36 | Phillips | 4 | 57.3 | Cowley | 50.3 | Wallace |
| 2.55 | Jackson | 0.37 | Rooks | 5 | 57.3 | Chautauqua | 50.5 | Thomas |
| 2.54 | Pottawatomie | 0.41 | Sheridan | 6 | 57.2 | Woodson | 50.7 | Greeley |
| 2.49 | Jefferson | 0.42 | Gove | 7 | 57.2 | Montgomery | 50.8 | Decatur |
| 2.41 | Washington | 0.42 | Trego | 8 | 57.1 | Sumner | 51.4 | Sheridan |
| 2.41 | Osage | 0.46 | Smith | 9 | 57.1 | Labette | 51.6 | Norton |
| 2.39 | Douglas | 0.48 | Rawlins | 10 | 57.0 | Sedgwick,Osage | 51.7 | Logan, Wichita |

| Wettest Month | Rank | County | Value | | Rank | County | Value | Warmest Month |
|---------------|------|----------|-------|---|------|------------|-------|---------------|
| Ranking | 24 | Stanton | 2.23 | 1 | 30 | Osage | 57.0 | Ranking |
| | 27 | Grant | 2.12 | 2 | 33 | Coffey | 57.5 | |
| Highest | 27 | Hamilton | 2.13 | 3 | 33 | Lyon | 56.9 | Highest |
| Ranked | 29 | Morton | 2.07 | 4 | 39 | Cloud | 55.0 | Ranked |
| Counties | 33 | Stevens | 1.91 | 5 | 39 | Dickinson | 56.4 | Counties |
| Driest Month | Rank | County | Value | | Rank | County | Value | Coldest Month |
| Ranking | 2 | Bourbon | 0.65 | 1 | 58 | Montgomery | 57.2 | Ranking |
| | 2 | Neosho | 0.75 | 2 | 58 | Morton | 53.4 | |
| Highest | 2 | Rooks | 0.37 | 3 | 60 | Stanton | 53.1 | Highest |
| Ranked | 3 | Crawford | 0.86 | 4 | 63 | Cheyenne | 49.4 | Ranked |
| Counties | 4 | Graham | 0.32 | 5 | 64 | Grant | 53.5 | Counties |

| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
|---------------|-------|------------|---------|---|------|------------|-------|-------------|
| Monthly | +0.85 | Stanton | 2.23 | 1 | +2.1 | Coffey | 57.5 | Monthly |
| Precipitation | +0.80 | Morton | 2.07 | 2 | +2.1 | Osage | 57.0 | Temperature |
| | +0.68 | Hamilton | 2.13 | 3 | +1.9 | Lyon | 56.9 | |
| Most Above | +0.60 | Grant | 2.12 | 4 | +1.8 | Cloud | 55.0 | Most Above |
| Normal | +0.56 | Kearny | 2.10 | 5 | +1.7 | Dickinson | 56.4 | Normal |
| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
| Monthly | -3.92 | Crawford | 0.86 | 1 | -0.6 | Montgomery | 57.2 | Monthly |
| Precipitation | -3.86 | Bourbon | 0.65 | 2 | -0.5 | Labette | 57.1 | Temperature |
| | -3.78 | Neosho | 0.75 | 3 | -0.5 | Morton | 53.4 | |
| Most Below | -3.35 | Cherokee | 1.52 | 4 | -0.4 | Cheyenne | 49.4 | Most Below |
| Normal | -3.25 | Montgomery | 1.21 | 5 | -0.4 | Stevens | 53.9 | Normal |

| May | 2023 |
|-----|------|
|-----|------|

| Temperature | | Precipitation |
|--------------------------|-----------|--------------------------|
| 65.8° | Average | 3.61" |
| +1.9° | Departure | -0.60" |
| 29 th Warmest | Rank | 64 th Wettest |

May began on a cool note. The coldest reading of the month, 27°, was recorded on the 1st in both Decatur (Oberlin 7NE, Mesonet) and Lincoln (Lincoln 1SE, COOP) Counties, and in Saline County on the 3rd (Gypsum, Mesonet). Combined with the coolness in late April, the 14-day stretch of below normal average daily temperatures across the Kansas Mesonet was the longest run in 2023. This was followed by an 11-day stretch of above normal temperatures. A rapid warmup commenced on the 4th, and by the 6th, highs in the 80s and 90s were widespread across the state. Topeka's high of 98° on the 6th was not only a new record high for the date, but also a new record high for the entire month of May, surpassing the old record of 97°. An active period of weather brought severe weather to the state, with multiple reports of tornadoes in northwestern Kansas on the 11th. A brief cooldown between the 19th and 21st brought lows in the 40s, but there were a few upper 30s, including a 37° reading at Phillipsburg on the morning of the 20th. Temperatures warmed towards month's end, when highs were mostly in the 80s.

All divisions were above normal; departures ranged from +1.2° in south central and southeast Kansas to +3.0° in north central Kansas. Divisional rankings ranged from 23rd warmest in north central Kansas to 44th warmest in southeast Kansas. All 105 counties in the state finished the month above normal, and eight counties in Kansas had a top-20 warmest May. The highest ranking was 14th warmest in Lane County (+3.0°). Cloud County had the warmest departure (+3.7°) in the state, while the coldest departure was still above normal: +0.4° in Labette and Montgomery Counties.

Early May was mostly dry across the state. There were isolated pockets of heavier precipitation in the southeast on the 5th, and across north central, northeast and east central Kansas on the 10th. Northwest Kansas had heavy rain on both the 11th and 12th. Two-day totals in this area exceeded 5" per CoCoRaHS observers in Rawlins and Thomas Counties, with totals over 4" reported in Cheyenne, Sherman and Sheridan Counties. Southwest Kansas also had isolated heavy rain events on the 22nd, 24th and 25th. On the last day of May, a complex of thunderstorms impacted parts of northeast and east central Kansas. The area of storms moved very slowly and resulted in 4 to 6" rainfall totals from Shawnee, Osage, Douglas and Franklin Counties.

The average statewide precipitation for May was 3.61", or 86% of the normal amount of 4.21". The three western and three eastern climate divisions all finished May above normal, led by northwest Kansas with 5.28", the wettest division in the state, finishing the month as their 15th wettest May on record. Two counties in Kansas managed a top 10 wettest May. Rawlins County had its 4th wettest May on record, averaging 6.87", aided by an 11.91" total from a CoCoRaHS observer near Herndon. This was the highest precipitation total of any county in the state. Neighboring Cheyenne County was the next wettest in May; their 6.23" average was their 6th wettest May on record. Marion County had the highest ranking for dryness; their total of 2.34" ranked as their 11th driest May. There were 18 tornado reports in the state during the month. All of these occurred in the first 12 days of the month. There were 166 reports of hail of 1" in diameter or larger. The largest hail was 4" in Pawnee County on the 9th. There were 92 reports of severe wind gusts, the highest of which was an 87-mph gust on the 30th in Garden City.

May 2023 County Data

| | Total Precipitation (in) | | | | Average Temperature (°F) | | | |
|-------|--------------------------|---------------|-----------|------|--------------------------|-----------------|---------|----------|
| | Wettest Driest | | Driest | | | Warmest | Coldest | |
| Value | County | Value | County | Rank | Value | County | Value | County |
| 6.87 | Rawlins | 2.10 | McPherson | 1 | 67.7 | Sumner | 61.9 | Cheyenne |
| 6.49 | Wilson | 2.12 Edwards | | 2 | 67.7 | Saline | 61.9 | Sherman |
| 6.35 | Franklin | 2.21 Mitchell | | 3 | 67.6 | Cherokee | 62.1 | Rawlins |
| 6.23 | Cheyenne | 2.28 | Harvey | 4 | 67.5 | Sedgwick | 62.6 | Thomas |
| 6.19 | Labette | 2.29 | Republic | 5 | 67.5 | Clark | 62.7 | Decatur |
| 6.14 | Douglas | 2.31 | Kingman | 6 | 67.3 | Harvey | 62.7 | Wallace |
| 5.73 | Decatur | 2.31 | Reno | 7 | 67.3 | Harper | 62.9 | Greeley |
| 5.59 | Cherokee | 2.34 | Marion | 8 | 67.3 | Barber | 63.4 | Sheridan |
| 5.41 | Thomas | 2.42 | Saline | 9 | 67.2 | Wyandotte | 63.7 | Norton |
| 5.28 | Neosho | 2.49 | Ford | 10 | 67.2 | Dickinson,Cloud | 64.0 | Logan |

| | | _ | | | | _ | | |
|---------------|------|-----------|-------|---|------|------------|-------|---------------|
| Wettest Month | Rank | County | Value | | Rank | County | Value | Warmest Month |
| Ranking | 4 | Rawlins | 6.87 | 1 | 14 | Lane | 65.6 | Ranking |
| | 6 | Cheyenne | 6.23 | 2 | 16 | Scott | 65.1 | |
| Highest | 12 | Thomas | 5.41 | 3 | 17 | Cloud | 67.2 | Highest |
| Ranked | 14 | Decatur | 5.73 | 4 | 17 | Russell | 66.7 | Ranked |
| Counties | 18 | Sherman | 4.64 | 5 | 19 | Finney | 65.8 | Counties |
| Driest Month | Rank | County | Value | | Rank | County | Value | Coldest Month |
| Ranking | 11 | Marion | 2.34 | 1 | 67 | Labette | 66.9 | Ranking |
| | 13 | Coffey | 2.51 | 2 | 67 | Montgomery | 67.1 | |
| Highest | 16 | McPherson | 2.10 | 3 | 74 | Chautauqua | 67.1 | Highest |
| Ranked | 17 | Harvey | 2.28 | 4 | 77 | Bourbon | 66.4 | Ranked |
| Counties | 19 | Butler | 2.63 | 5 | 79 | Cherokee | 67.6 | Counties |

| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
|---------------|-------|------------|---------|---|------|------------|-------|-------------|
| Monthly | +3.95 | Rawlins | 6.87 | 1 | +3.7 | Cloud | 67.2 | Monthly |
| Precipitation | +3.55 | Cheyenne | 6.23 | 2 | +3.6 | Republic | 66.2 | Temperature |
| | +2.51 | Decatur | 5.73 | 3 | +3.0 | Jewell | 65.2 | |
| Most Above | +2.47 | Thomas | 5.41 | 4 | +3.0 | Lane | 65.6 | Most Above |
| Normal | +2.14 | Morton | 4.05 | 5 | +3.0 | Russell | 66.7 | Normal |
| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
| Monthly | -3.30 | Chautauqua | 2.53 | 1 | +0.4 | Labette | 66.9 | Monthly |
| Precipitation | -3.01 | Coffey | 2.51 | 2 | +0.4 | Montgomery | 67.1 | Temperature |
| | -2.94 | Butler | 2.63 | 3 | +0.6 | Harper | 67.3 | |
| Most Below | -2.90 | McPherson | 2.10 | 4 | +0.7 | Chautauqua | 67.1 | Most Below |
| Normal | -2.90 | Elk | 2.88 | 5 | +0.8 | Stafford | 65.2 | Normal |

| J | u | n | e | 2 | 0 | 2 | 3 |
|---|-------------------|---|---------------|---|-------------|---|------------------|
| • | $\mathbf{\sigma}$ | | $\overline{}$ | _ | $\mathbf{}$ | | $\mathbf{\circ}$ |

| Temperature | | Precipitation | | |
|--------------------------|-----------|--------------------------|--|--|
| 73.4° | Average | 4.01" | | |
| -0.8° | Departure | -0.04" | | |
| 61 st Coldest | Rank | 60 th Wettest | | |

Temperatures early in the month were near seasonal normals. A warmup began on the 5th, and by the 7^{th} highs in the 90s were observed in a few locations. Average high temperatures from the 7^{th} through the 9th were in the upper 80s statewide. The coolest period of the month followed on the 11th through the 14th. Highs on the 12th averaged only in the low 70s, and on the morning of the 13th, nearly 20 Kansas Mesonet sites had lows in the 40s, the coldest of which was 46° at Belleville. The coldest in the state for June was observed that same morning by two COOP observers: 45° at Frankfort in Marshall County and Tribune in Greeley County. It was also tied on the 18th at Elkhart in Morton County. The 18th was the last of an 8-day period during which statewide lows averaged in the 50s. Warmer temperatures returned on the 19th and continued for the remainder of the month. There were 5 days with average highs at or above 90°: the 19th, 24th and the last three days of the month. Of these days, the 28th was the hottest, when the statewide average high temperature was 97°, and 21 Mesonet sites reached the century mark. The Gypsum site in Saline County reached 105° on the 28th, the warmest Mesonet reading of the month. Twelve sites reached the 100s the following day, with the Woodson site in Yates County at 104°. The hottest temperature of the month was observed on the 29th at Hays, where it reached 106°. Divisional rankings ranged from 23nd coldest in southwest Kansas to 44th warmest in east central Kansas. Seven counties had a top-20 coldest June.

June started out wet in some areas. Precipitation totals for the first three days of June were from 2 to 4 inches across a large part of south central and southwest Kansas. There were isolated totals over 4 inches in Harper, Pratt, Clark and Meade Counties. The 10th and 11th were rainy across much of the state, but the highest totals were focused in central Kansas, with totals of 2 to 3" in the Great Bend, Lyons and Salina areas. Rainfall from the 13th through the 18th favored western Kansas. All twenty CoCoRaHS observers in Hamilton County recorded over 2" of rain during that 6-day period, with a report northeast of Syracuse of 3.52" the highest total. There were isolated reports of over 4" from Sheridan, Sherman and Wallace Counties, but the highest 6-day total was 5.43" in Grant County. This amount included a single-day report of 3.82" on June 16th. Further east, two observers in Harvey County picked up around 5" of rain, with the 18th being the wettest day. Not all locations had heavy rain; monthly totals under 2" were common in the Topeka and Lawrence areas. Divisional percents of normal ranged from 44% in east central Kansas to 154% in southwest Kansas. Harper was the wettest county, averaging 7.80", their 6th wettest June on record, tying Hamilton County for the highest ranking. Six additional counties had a top 10 wettest June. On the dry side, ten counties experienced a top 10 driest June, with four counties all having their 6th driest, including Johnson and Douglas Counties.

There were only 4 tornado reports in the state during the month, all on the evening of the 23rd in Stanton and Grant Counties. There were 94 reports of severe hail 1" or greater in diameter. Twelve of these reports were of hail 2" or greater, with 4" the largest report of the month. There were 140 reports of severe wind gusts of 58 mph or greater during the month. The highest wind gust report was 100 mph on the 27th, in Meade and Comanche Counties. The Kansas Mesonet site in Seward County south of Satanta measured an 88-mph gust on the afternoon of the 15th.

June 2023 County Data

| | Total Precipitation (in) | | | | Average Temperature (°F) | | | |
|-------|--------------------------|---------------|-----------|------|--------------------------|----------------|---------|----------|
| | Wettest Driest | | Driest | | | Warmest | Coldest | |
| Value | County | Value | County | Rank | Value | County | Value | County |
| 7.80 | Harper | 1.36 | Johnson | 1 | 76.5 | Montgomery | 68.2 | Greeley |
| 7.17 | Barton | 1.44 Douglas | | 2 | 76.2 | Wilson | 68.6 | Sherman |
| 7.03 | Rice | 1.47 Franklin | | 3 | 76.2 | Cherokee | 68.9 | Wallace |
| 6.93 | Ellsworth | 1.47 | Miami | 4 | 76.1 | Sumner | 69.2 | Cheyenne |
| 6.50 | Stafford | 1.63 | Greenwood | 5 | 76.0 | Labette | 69.6 | Rawlins |
| 6.46 | Kingman | 1.68 | Anderson | 6 | 76.0 | Chautauqua | 69.7 | Thomas |
| 6.25 | Comanche | 1.72 | Jefferson | 7 | 75.9 | Sedgwick | 69.7 | Wichita |
| 6.24 | Kiowa | 1.75 | Osage | 8 | 75.8 | Neosho | 69.9 | Hamilton |
| 6.19 | Clark | 1.76 | Shawnee | 9 | 75.7 | Crawford | 70.5 | Logan |
| 6.12 | Reno | 1.76 | Wyandotte | 10 | 75.6 | Saline, Ottawa | 70.5 | Stanton |

| Wettest Month | Rank | County | Value | | Rank | County | Value | Warmest Month |
|---------------|------|----------|-------|---|------|-----------|-------|---------------|
| Ranking | 6 | Hamilton | 5.60 | 1 | 34 | Osage | 75.2 | Ranking |
| _ | 6 | Harper | 7.80 | 2 | 36 | Cloud | 75.3 | |
| Highest | 7 | Kearny | 5.70 | 3 | 36 | Coffey | 75.3 | Highest |
| Ranked | 9 | Barton | 7.17 | 4 | 37 | Johnson | 75.2 | Ranked |
| Counties | 9 | Clark | 6.19 | 5 | 37 | Wyandotte | 75.3 | Counties |
| Driest Month | Rank | County | Value | | Rank | County | Value | Coldest Month |
| Ranking | 6 | Douglas | 1.44 | 1 | 18 | Grant | 71.0 | Ranking |
| | 6 | Franklin | 1.47 | 2 | 18 | Seward | 71.5 | |
| Highest | 6 | Johnson | 1.36 | 3 | 19 | Hamilton | 69.9 | Highest |
| Ranked | 6 | Miami | 1.47 | 4 | 19 | Morton | 70.7 | Ranked |
| Counties | 8 | Anderson | 1.68 | 5 | 19 | Stanton | 70.5 | Counties |

| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
|---------------|------------------|-----------|---------|---|------|----------|-------|-------------|
| Monthly | +3.51 | Barton | 7.17 | 1 | +1.1 | Johnson | 75.2 | Monthly |
| Precipitation | ion +3.28 Harper | | 7.80 | 2 | +1.0 | Coffey | 75.3 | Temperature |
| | +2.98 | Ellsworth | 6.93 | 3 | +1.0 | Coffey | 75.3 | |
| Most Above | +2.93 | Rice | 7.03 | 4 | +1.0 | Cloud | 75.3 | Most Above |
| Normal | +2.93 | Hamilton | 5.60 | 5 | +1.0 | Wilson | 76.2 | Normal |
| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
| Monthly | -3.97 | Douglas | 1.44 | 1 | -3.8 | Stanton | 70.5 | Monthly |
| Precipitation | -3.84 | Johnson | 1.36 | 2 | -3.7 | Greeley | 68.2 | Temperature |
| | -3.84 | Miami | 1.47 | 3 | -3.7 | Morton | 70.7 | |
| Most Below | -3.83 | Franklin | 1.47 | 4 | -3.5 | Seward | 71.5 | Most Below |
| Normal | -3.66 | Greenwood | 1.63 | 5 | -3.5 | Hamilton | 69.9 | Normal |

| July | 2023 |
|------|------|
|------|------|

| Temperature | | Precipitation |
|--------------------------|-----------|--------------------------|
| 78.3° | Average | 4.41" |
| -0.7° | Departure | +0.56" |
| 56 th Coldest | Rank | 33 th Wettest |

Temperatures in July started near seasonal normals but warmed quickly. The fourth of July was quite warm, with ten Mesonet sites reaching 100 degrees. The 5th through the 9th were below normal, with lows in the 50s common on the 8th and 9th, with five Mesonet sites recording lows in the 40s on the 9th. Temperatures were close to normal from the 10th through the 20th. A late-month warmup brought Kansas the warmest temperatures of the year. On the 25th, 26th and 28th, the average high across the Kansas Mesonet exceeded 100 degrees, with the 25th the warmest (100.4°) as well as the day with the most stations reaching the triple digits (48). At the peak of the heat wave, some stations recorded their warmest temperature in over a decade, including Concordia, where the high of 109° on the 28th was the warmest in 17 years; the last high of 109° was observed on July 17, 2006. Nearby, Minneapolis recorded the year's hottest reading so far, with a scorching 111° on the afternoon of the 28th, their hottest day since June 28, 2012. Courtland, in Republic County, tied their all-time record high with 110°. Nighttime lows were warm during this stretch. A few stations had lows in the 80s, including Lawrence, where the morning low on the 27th was 84°, their warmest daily minimum since 1947. Concordia's low of 83° on the 26th was their warmest low since 1954. Divisional departures ranged from -1.5° in northwest and west central Kansas to +0.4° in southeast Kansas.

July started out wet, especially in southwest and south central Kansas, as a few locations picked up over 4" of rain in the first 7 days of the month. Barber County had the highest totals, where three CoCoRaHS observers in the county all measured between 6.1 and 6.6 inches of rain by 7 AM on the 7th. By the 10th of the month, over 8" of rain had fallen in eastern Kingman County. By month's end, most areas had above normal rainfall totals. There were a few exceptions, such as Hutchinson, where only 1.08" was measured in July. Other locations with less than 2 inches of rain in July include Hill City (1.42") and Great Bend (1.62"). The highest totals were in the southwest. A CoCoRaHS observer in southern Ford County had the month's highest total with 10.77". Two additional observers in Comanche and Meade Counties measured 10" or more during July. This was the 3rd wettest July on record in Liberal (8.35"), and the wettest since 1961. In Ashland (8.08"), this was the 2nd wettest July on record; only 1950 (8.19") had more rainfall. Southwest Kansas was the wettest division; their 6.24" average ranked as the 5th wettest July on record. South central Kansas (5.44") had their 10th wettest July. It was the wettest July on record in Kingman County (7.41"). Meade County was wettest with 8.29", and was one of five counties to record their second-wettest July, along with Clark (8.18"), Comanche (8.03"), Seward (7.91") and Barber (7.17"). In all, seventeen counties in Kansas had a top 10 wettest July in 2023.

There were three tornado reports in the state during July. The first two reports were in Russell County on the 16th, with the third the next day in Edwards County. Despite the low tornado count, there were numerous reports of severe hail and wind gusts. A total of 168 reports of severe hail 1" or greater in diameter were received during July. Of these reports, 27 were of significant hail 2" or greater, with 4" the largest report of the month near Great Bend on the 16th. There were 258 reports of severe wind gusts of 58 mph or greater, and four were winds of 100 mph or greater. All of these occurred on the 20th in Wallace and Logan Counties, including the highest gust of 115 mph south of the town of Wallace.

July 2023 County Data

| | Total Precipitation (in) | | | | Average Temperature (°F) | | | |
|---------|--------------------------|-------------|-----------|------|--------------------------|------------|---------|----------------|
| Wettest | | Driest | | | | Warmest | Coldest | |
| Value | County | Value | County | Rank | Value | County | Value | County |
| 8.29 | Meade | 2.31 | McPherson | 1 | 80.8 | Sumner | 74.7 | Greeley |
| 8.18 | Clark | 2.36 Graham | | 2 | 80.8 | Sedgwick | 75.0 | Rawlins |
| 8.03 | Comanche | 2.68 Chase | | 3 | 80.8 | Cherokee | 75.1 | Sherman |
| 7.91 | Seward | 2.73 | Harvey | 4 | 80.6 | Harvey | 75.2 | Decatur |
| 7.45 | Stevens | 2.78 | Ness | 5 | 80.5 | Harper | 75.2 | Thomas |
| 7.41 | Kingman | 2.93 | Clay | 6 | 80.4 | Saline | 75.4 | Wallace |
| 7.17 | Barber | 2.96 | Trego | 7 | 80.4 | Montgomery | 75.5 | Norton |
| 7.04 | Harper | 2.98 | Decatur | 8 | 80.4 | McPherson | 75.6 | Marshall |
| 6.69 | Morton | 2.98 | Norton | 9 | 80.4 | Butler | 75.6 | Nemaha |
| 6.44 | Haskell | 3.00 | Rush | 10 | 80.3 | Wilson | 75.7 | Brown,Doniphan |

| Wettest Month | Rank | County | Value | | Rank | County | Value | Warmest Month |
|---------------|------|-----------|-------|---|------|-----------|-------|---------------|
| Ranking | 1 | Kingman | 7.41 | 1 | 42 | Cherokee | 80.8 | Ranking |
| | 2 | Barber | 7.17 | 2 | 45 | Greenwood | 80.1 | |
| Highest | 2 | Clark | 8.18 | 3 | 45 | Lyon | 79.3 | Highest |
| Ranked | 2 | Comanche | 8.03 | 4 | 46 | Osage | 79.2 | Ranked |
| Counties | 2 | Meade | 8.29 | 5 | 47 | Harvey | 80.6 | Counties |
| Driest Month | Rank | County | Value | | Rank | County | Value | Coldest Month |
| Ranking | 44 | McPherson | 2.31 | 1 | 22 | Greeley | 74.7 | Ranking |
| | 45 | Graham | 2.36 | 2 | 28 | Marshall | 75.6 | |
| Highest | 48 | Chase | 2.68 | 3 | 29 | Stanton | 77.2 | Highest |
| Ranked | 51 | Harvey | 2.73 | 4 | 30 | Doniphan | 75.7 | Ranked |
| Counties | 55 | Clay | 2.93 | 5 | 30 | Hamilton | 76.6 | Counties |

| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
|---------------|-------|-----------|---------|---|------|-----------|-------|-------------|
| Monthly | +5.25 | Meade | 8.29 | 1 | +1.0 | Greenwood | 80.1 | Monthly |
| Precipitation | +5.05 | Clark | 8.18 | 2 | +0.8 | Butler | 80.4 | Temperature |
| | +4.97 | Seward | 7.91 | 3 | +0.8 | Coffey | 79.6 | |
| Most Above | +4.93 | Comanche | 8.03 | 4 | +0.7 | Cherokee | 80.8 | Most Above |
| Normal | +4.60 | Stevens | 7.45 | 5 | +0.7 | Woodson | 79.9 | Normal |
| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
| Monthly | -1.83 | Chase | 2.68 | 1 | -2.5 | Greeley | 74.7 | Monthly |
| Precipitation | -1.81 | McPherson | 2.31 | 2 | -2.2 | Norton | 75.5 | Temperature |
| | -1.46 | Harvey | 2.73 | 3 | -2.2 | Phillips | 76.0 | |
| Most Below | -1.40 | Clay | 2.93 | 4 | -2.0 | Marshall | 75.6 | Most Below |
| Normal | -1.29 | Graham | 2.36 | 5 | -1.9 | Decatur | 75.2 | Normal |

August 2023

| Temperature | | Precipitation |
|--------------------------|-----------|-------------------------|
| 78.8° | Average | 2.89" |
| +1.7° | Departure | -0.62" |
| 33 rd Warmest | Rank | 59 th Driest |

August began with hot temperatures, as around half the Kansas Mesonet sites had highs between 100 and 107 degrees on the 1st. Temperatures slowly cooled thereafter, and from the 4th through the 9th, the majority of daytime highs in the state were in the 80s. A quick warm-up followed for the 10th and 11th, when highs on the 11th averaged 95° across the state with a few locations reaching over 100 degrees. A week of more seasonable temperatures followed from the 12th through the 18th, before a weeklong, brutal heat wave commenced on the 19th. The heat wave broke on the 26th, and more comfortable temperatures were the rule for the remainder of August.

The hottest day of the heat wave was the first day, the 19th. Daytime highs across the Kansas Mesonet averaged 105.3°, the highest single-day average in almost 11 years and the sixth highest in the history of the Kansas Mesonet, dating back to 1985. The all-time record average high of 106.5° was set on June 27, 2012. The average statewide high each day from the 19th through the 25th was over 100°. This 7-day run was the longest since a 9-day stretch took place from July 17-25, 2012. The highest temperature recorded in the state during this event was 115° at the Manhattan ASOS site in Riley County on the 19th. This was the hottest ever recorded at that location, where records began in 1960. The previous record was 111° set on September 2nd, 2000. The Lawrence ASOS site in Douglas County reached 112° on the 24th, and set a new all-time highest station record by one degree. Records at that site began in 1996. Concordia's average temperature from August 19th through the 25th was 92.2°, the warmest in the state. This was also Concordia's warmest 7 days since the Dust Bowl era; only 1934 and 1936 had higher 7-day averages. Emporia, Winfield and Salina also averaged over 90° for the same 7-day period. All nine divisions were above normal for the month, departures ranged from +0.8° in southwest Kansas to +2.6° in southeast Kansas. Twelve counties in Kansas had a top-20 warmest August, led by Butler County, which ranked as 15th warmest. Every county in the state averaged above normal, departures ranged from +0.3° in Comanche County to +3.9° in Butler County.

The first half of August was much wetter than the second half of the month. Most areas picked up from 2 to 3" of rain during the first two weeks of August, with higher totals in parts of central and west central Kansas, in the Kansas City Metropolitan area as well as in southeast Kansas. The CoCoRaHS observer in Galesburg in Neosho County picked up 8.62" of precipitation between August 5th and the 14th. Totals over 6" were measured in neighboring Wilson, Labette and Crawford Counties for the same 10-day period. Totals over 5" were noted in Trego, Ellis and Barton Counties as well as further east in Wyandotte County. In the second half of August, there was heavy rain associated with the cold front that put an end to the heat wave. Parts of Republic, Jewell, Smith and Phillips Counties picked up over 3" of rain in the 24 hours ending at 7 AM on the 26th. Southwestern Kansas had some low monthly totals, as precipitation missed this area. The CoCoRaHS observer in Hugoton in Stevens County only measured 0.52" of rain for the month. The Dodge City area was also dry; at least 7 CoCoRaHS observers in Ford County had less than 2" of precipitation. Only two divisions averaged above normal for the month: north central (+0.65") and northwest (+0.08"). Southwest Kansas was the driest division (1.86"), but east central was the most below normal (-2.01").

August 2023 County Data

| | Total Precipitation (in) | | | | Average Temperature (°F) | | | |
|-------|--------------------------|-------|----------|------|--------------------------|----------------|---------|----------|
| | Wettest | | Driest | | | Warmest | Coldest | |
| Value | County | Value | County | Rank | Value | County | Value | County |
| 6.15 | Cherokee | 0.95 | Stevens | 1 | 82.2 | Butler | 75.0 | Sherman |
| 6.09 | Neosho | 1.01 | Seward | 2 | 82.1 | Sumner | 75.4 | Cheyenne |
| 5.89 | Smith | 1.11 | Morton | 3 | 82.0 | Cowley | 75.4 | Greeley |
| 5.40 | Crawford | 1.49 | Stanton | 4 | 81.8 | Sedgwick | 75.5 | Rawlins |
| 4.65 | Phillips | 1.70 | Grant | 5 | 81.7 | Greenwood | 75.5 | Thomas |
| 4.60 | Labette | 1.72 | Linn | 6 | 81.6 | Chautauqua | 75.5 | Wallace |
| 4.59 | Russell | 1.74 | Greeley | 7 | 81.5 | Elk | 75.9 | Decatur |
| 4.45 | Jewell | 1.78 | Hamilton | 8 | 81.4 | Montgomery | 76.1 | Wichita |
| 4.42 | Rush | 1.81 | Ford | 9 | 81.3 | Harper | 76.2 | Nemaha |
| 4.39 | Osborne | 1.83 | Kearny | 10 | 81.2 | Saline, Harvey | 76.3 | Norton |

| | David. | Carrati | Malina | | David | Carration | Malina | |
|---------------|--------|----------|--------|---|-------|-----------|--------|---------------|
| Wettest Month | Rank | County | Value | | Rank | County | Value | Warmest Month |
| Ranking | 6 | Smith | 5.89 | 1 | 15 | Butler | 82.2 | Ranking |
| | 17 | Cherokee | 6.15 | 2 | 16 | Greenwood | 81.7 | |
| Highest | 20 | Neosho | 6.09 | 3 | 17 | Chase | 81.0 | Highest |
| Ranked | 20 | Osborne | 4.39 | 4 | 17 | Lyon | 80.6 | Ranked |
| Counties | 20 | Rush | 4.42 | 5 | 18 | Coffey | 80.7 | Counties |
| Driest Month | Rank | County | Value | | Rank | County | Value | Coldest Month |
| Ranking | 17 | Seward | 1.01 | 1 | 60 | Comanche | 79.2 | Ranking |
| | 17 | Stevens | 0.95 | 2 | 65 | Clark | 79.4 | |
| Highest | 21 | Morton | 1.11 | 3 | 66 | Grant | 77.3 | Highest |
| Ranked | 23 | Coffey | 1.96 | 4 | 67 | Haskell | 77.3 | Ranked |
| Counties | 23 | Osage | 1.86 | 5 | 67 | Meade | 78.8 | Counties |

| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
|---------------|-------|----------|---------|---|------|-----------|-------|-------------|
| Monthly | +2.56 | Smith | 5.89 | 1 | +3.9 | Butler | 82.2 | Monthly |
| Precipitation | +2.38 | Cherokee | 6.15 | 2 | +3.8 | Greenwood | 81.7 | Temperature |
| | +2.07 | Neosho | 6.09 | 3 | +3.5 | Chase | 81.0 | |
| Most Above | +1.64 | Crawford | 5.40 | 4 | +3.4 | Cloud | 80.1 | Most Above |
| Normal | +1.38 | Phillips | 4.65 | 5 | +3.3 | Lyon | 80.6 | Normal |
| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
| Monthly | -2.29 | Osage | 1.86 | 1 | +0.3 | Comanche | 79.2 | Monthly |
| Precipitation | -2.23 | Linn | 1.72 | 2 | +0.4 | Haskell | 77.3 | Temperature |
| | -2.22 | Franklin | 1.92 | 3 | +0.4 | Seward | 78.2 | |
| Most Below | -2.21 | Shawnee | 2.07 | 4 | +0.4 | Grant | 77.3 | Most Below |
| Normal | -2.13 | Anderson | 1.88 | 5 | +0.5 | Meade | 78.8 | Normal |

| Temperature | | Precipitation |
|--------------------------|-----------|-------------------------|
| 72.3° | Average | 1.63" |
| +3.5° | Departure | -0.89" |
| 14 th Warmest | Rank | 26 th Driest |

Early September was quite hot. The average high across the Kansas Mesonet for the first four days of the month ranged between 98 and 100 degrees, or 11 to 14 degrees above normal. Thanks to dry air, morning lows for this period were close to normal. Temperatures cooled a few degrees starting on the 5th, and remained within a few degrees of normal until the 10th, when an 8-day run of below normal average temperatures commenced. Warmer weather returned on the 18th, and the last thirteen days of the month all averaged above normal. The last three days of September were the most above normal days of the month, when average temperatures across the state were from 12 to 16 degrees above normal. Average highs across the Kansas Mesonet for the last three days of September ranged from 92 to 94 degrees. The early and late-month warmth was sufficient for record highs to be set across the state. In far western Kansas, Wallace set new record highs on the 2nd (105°) and 3rd (106°), each of which established a new record high for the month of September at this site, where records began in 1903. Both Dodge City (105°) and Garden City (101°) set new daily record highs on the 4th. Over two dozen record highs were set or tied on the 29th. New records on that date were established at El Dorado (97°), Hutchinson (95°), Emporia (95°) and Colby (95°). Record highs were tied on the 29th at both Concordia (96°) and Topeka (94°). The month ranked as the 14th warmest September in 129 years, dating back to 1895. All nine divisions were above normal for the month; departures ranged from +3.0° in northwest Kansas to +4.0° in east central Kansas. Divisional rankings ranged from 13th to 21h warmest. Five counties experienced a top 10 warmest September; Cowley County was highest ranked at 8th warmest.

Most areas were dry for the first nine days of September. The cooler period from the 10th through the 17th was accompanied by precipitation. The first event brought moisture to nearly all locations in the state, but the heaviest amounts were in western Kansas, where at least one CoCoRaHS observer in 12 counties in southwest and west central Kansas picked up at least 2 inches of rain between the 10th and the 12th. The highest totals were in the Garden City and Scott City areas, where isolated locations measured over 3" of precipitation. Amounts from the 14th through the 17th were heaviest in southwest and south central Kansas. Five counties had at least one observer measure at least 2.5" of rain: Meade, Kiowa, Comanche, Barber and Reno. Localized storms in Crawford County on the 20th brought from 2 to 3.5" of rain to the area. This was soon followed by more heavy rain across a larger area of the state. Three-day totals from the 22nd through the 24th were highest in northern and eastern Kansas. Totals over 2" were received from at least 22 counties. Both Johnson and Crawford Counties in extreme eastern Kansas had reports of over 4" of rain, with over 3" amounts also observed in Dickinson, Morris and Lyon Counties. Despite this precipitation, only 21 counties had above normal precipitation in September, and as a result, it was the 26th driest September out of 129 years. It was the 10th driest September in central Kansas and 13th driest in northeast Kansas. Eight counties had a top 10 driest September, led by Sherman County, which averaged just 0.12", the lowest in the state and their 5th driest September on record.

September 2023 County Data

| | Total Precipitation (in) | | | | Average Temperature (°F) | | | |
|-------|--------------------------|-------|----------|------|--------------------------|---------------|---------|----------|
| | Wettest | | Driest | | | Warmest | Coldest | |
| Value | County | Value | County | Rank | Value | County | Value | County |
| 4.41 | Crawford | 0.12 | Sherman | 1 | 75.9 | Sumner | 68.6 | Sherman |
| 3.88 | Cherokee | 0.13 | Cheyenne | 2 | 75.8 | Cowley | 68.8 | Cheyenne |
| 3.45 | Comanche | 0.24 | Thomas | 3 | 75.1 | Harper | 68.8 | Rawlins |
| 3.07 | Johnson | 0.57 | Graham | 4 | 75.0 | Sedgwick | 69.2 | Decatur |
| 2.92 | Miami | 0.57 | Rawlins | 5 | 74.8 | Butler | 69.2 | Thomas |
| 2.88 | Seward | 0.61 | Rooks | 6 | 74.5 | Barber | 69.3 | Greeley |
| 2.88 | Bourbon | 0.62 | Wallace | 7 | 74.4 | Chautauqua | 69.4 | Wallace |
| 2.84 | Kiowa | 0.66 | Ellis | 8 | 74.2 | Saline | 69.7 | Norton |
| 2.67 | Labette | 0.67 | Russell | 9 | 74.0 | Kingman | 69.9 | Marshall |
| 2.61 | Barber | 0.77 | Lincoln | 10 | 74.0 | Harvey, Clark | 69.9 | Nemaha |

| Wettest Month | Rank | County | Value | | Rank | County | Value | Warmest Month |
|---------------|------|-----------|-------|---|------|------------|-------|---------------|
| Ranking | 19 | Seward | 2.88 | 1 | 8 | Cowley | 75.8 | Ranking |
| | 24 | Scott | 2.58 | 2 | 10 | Butler | 74.8 | |
| Highest | 28 | Comanche | 3.45 | 3 | 10 | Cloud | 73.0 | Highest |
| Ranked | 35 | Gray | 2.38 | 4 | 10 | Geary | 73.4 | Ranked |
| Counties | 35 | Kiowa | 2.84 | 5 | 10 | Republic | 71.8 | Counties |
| Driest Month | Rank | County | Value | | Rank | County | Value | Coldest Month |
| Ranking | 5 | Sherman | 0.12 | 1 | 93 | Bourbon | 72.0 | Ranking |
| | 6 | Jefferson | 1.20 | 2 | 95 | Labette | 73.2 | |
| Highest | 7 | Atchison | 1.29 | 3 | 97 | Montgomery | 73.8 | Highest |
| Ranked | 7 | Brown | 1.03 | 4 | 98 | Cherokee | 73.1 | Ranked |
| Counties | 7 | Cheyenne | 0.13 | 5 | 98 | Linn | 72.0 | Counties |

| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
|---------------|-------|-----------|---------|---|------|-----------|-------|-------------|
| Monthly | +1.66 | Comanche | 3.45 | 1 | +4.9 | Cowley | 75.8 | Monthly |
| Precipitation | +1.49 | Seward | 2.88 | 2 | +4.7 | Butler | 74.8 | Temperature |
| | +1.10 | Scott | 2.58 | 3 | +4.7 | Geary | 73.4 | |
| Most Above | +0.96 | Kiowa | 2.84 | 4 | +4.6 | Cloud | 73.0 | Most Above |
| Normal | +0.96 | Gray | 2.38 | 5 | +4.5 | Wabaunsee | 72.8 | Normal |
| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
| Monthly | -2.65 | Allen | 1.78 | 1 | +2.2 | Bourbon | 72.0 | Monthly |
| Precipitation | -2.43 | Jefferson | 1.20 | 2 | +2.4 | Cherokee | 73.1 | Temperature |
| | -2.42 | Brown | 1.03 | 3 | +2.5 | Labette | 73.2 | |
| Most Below | -2.27 | Neosho | 2.14 | 4 | +2.6 | Greeley | 69.3 | Most Below |
| Normal | -2.25 | Coffey | 1.96 | 5 | +2.7 | Comanche | 73.5 | Normal |

| | _4 | L _ | | | . 7 | ^ | 23 |
|------------------------|----|------------------------|---|------------|-----|---|-----|
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| $\mathbf{\mathcal{U}}$ | U | $\mathbf{L}\mathbf{U}$ | U | \Box | | U | |

| Temperature | | Precipitation |
|--------------------------|-----------|--------------------------|
| 58.0° | Average | 1.87" |
| +1.8° | Departure | -0.45" |
| 37 th Warmest | Rank | 60 th Wettest |

The first of October was the warmest day of the month, when around half of the Kansas Mesonet sites had highs in the 90s. Observers in Graham, Rawlins and Rooks Counties recorded highs of 98° on the 1st, the warmest readings in the state for the month. Twenty daily record highs were broken or tied on the 1st, including Wallace (96°, new), El Dorado (95°, new) and Perry Lake (93°, tied). Temperatures started to cool on the 4th and were below to near normal from the 4th through the 10th. After a quick warm up on the 11th and 12th, temperatures from the 13th through the 16th averaged 5 to 10 degrees below normal. An extended period of warmth began on the 17th and lasted through the 26th, with average temperatures as high as 16 degrees above normal on the 23rd when highs in the 80s were recorded at all but one Kansas Mesonet site. The last five days of October were chilly. Average temperatures from the 28th through the 31st averaged 18 to 21 degrees below normal. Lows on the last five days of the month averaged below freezing, and averaged in the teens on the 30th (17.2°) and 31st (19.2°), resulting in a hard freeze at nearly every Mesonet site, putting an end to the growing season. Ten Mesonet sites had lows in the single digits on the morning of the 30th. The co-operative observer 1 mile west of Tribune in Greeley County had a low of 5° on the 30th; this was a new record low for the date and the state's coldest temperature in October. Additional record lows that day were set at Atwood (10°), Marysville (19°), Emporia (24°) and Olathe-Johnson County Industrial Airport (25°). All nine divisions were above normal for the month; departures ranged from +0.7° in northwest Kansas to +2.2° in north central Kansas.

While much of the month was dry, there were a couple of noteworthy precipitation events. The first was early in the month, in association with the arrival of cooler weather. Precipitation was measured at nearly every location in the state between the 3rd and 5th. Three-day precipitation totals ending at 7 AM on the 5th were highest in Stanton County, where three CoCoRaHS observers measured from 2.1 to 2.6" of rain. Parts of north central and northeast Kansas had over an inch of rain, as did the southwestern part of the Wichita metropolitan area. The most significant event of the month occurred on the 24th and 25th, when areas along and near a line from Wichita to Emporia to Lawrence to Kansas City were inundated with 4 to 10 inches of rain. The highest totals were in Osage and Lyon Counties. The CoCoRaHS observer 5 miles southwest of Osage City measured 10.13" for the two-day period ending at 7 AM on the 26th. New one-day precipitation records for October were set at eight locations on the 25th, including at Osage City (7.00"), Ottawa (5.75"), Melvern Lake (5.50") and Pomona Lake (5.00"). An additional precipitation event on the 28th into the 29th brought around an inch more of rain to many of the same locations, but in northwest Kansas with colder air in place, the first snowflakes of the year were observed. Measurable snowfall occurred in some areas. Sherman County had the highest totals, with five CoCoRaHS observers in the northern half of the county measuring from 2 to 3.6" of snow. Another CoCoRaHS observer in Atwood in Rawlins County measured 2.5" of snow. Trace amounts were recorded as far south as Hays and in north central Kansas in Osborne, Russell, Lincoln, Ottawa and Washington Counties. Only one division averaged above normal for the month: east central Kansas (+1.58"), where it was the 26th wettest October on record. Northwest Kansas was the driest division (0.59"). The two wettest counties in the state had their 5th wettest October: Franklin (6.88") and Osage (6.58").

October 2023 County Data

| | Total Precip | oitation (ir | 1) | | Average Temperature (°F) | | | (°F) |
|-------|--------------|--------------|----------|------|--------------------------|------------|---------|----------|
| | Wettest | | Driest | | Warmest Coldest | | Coldest | |
| Value | County | Value | County | Rank | Value | County | Value | County |
| 6.88 | Franklin | 0.37 | Hodgeman | 1 | 61.4 | Sumner | 52.6 | Sherman |
| 6.58 | Osage | 0.41 | Wallace | 2 | 61.3 | Harper | 53.2 | Cheyenne |
| 6.01 | Miami | 0.42 | Cheyenne | 3 | 61.2 | Cowley | 53.2 | Rawlins |
| 5.74 | Coffey | 0.42 | Sherman | 4 | 60.9 | Chautauqua | 53.5 | Decatur |
| 5.61 | Lyon | 0.43 | Ness | 5 | 60.9 | Barber | 53.8 | Thomas |
| 5.38 | Johnson | 0.47 | Gray | 6 | 60.7 | Sedgwick | 53.8 | Wallace |
| 4.76 | Chase | 0.47 | Greeley | 7 | 60.7 | Montgomery | 54.3 | Norton |
| 4.54 | Linn | 0.49 | Rooks | 8 | 60.6 | Labette | 54.4 | Greeley |
| 4.46 | Greenwood | 0.49 | Trego | 9 | 60.6 | Cherokee | 54.8 | Sheridan |
| 4.35 | Butler | 0.50 | Pawnee | 10 | 60.5 | Butler | 55.1 | Marshall |

| Wettest Month | Rank | County | Value | | Rank | County | Value | Warmest Month |
|---------------|------|----------|-------|---|------|----------|-------|---------------|
| Ranking | 5 | Franklin | 6.88 | 1 | 23 | Mitchell | 58.4 | Ranking |
| | 5 | Osage | 6.58 | 2 | 24 | Lincoln | 59.1 | |
| Highest | 13 | Lyon | 5.61 | 3 | 24 | Pratt | 60.0 | Highest |
| Ranked | 16 | Miami | 6.01 | 4 | 25 | Jewell | 57.1 | Ranked |
| Counties | 17 | Chase | 4.76 | 5 | 26 | Ottawa | 59.0 | Counties |
| Driest Month | Rank | County | Value | | Rank | County | Value | Coldest Month |
| Ranking | 23 | Pawnee | 0.50 | 1 | 62 | Decatur | 53.5 | Ranking |
| | 24 | Hodgeman | 0.37 | 2 | 62 | Sherman | 52.6 | |
| Highest | 28 | Ford | 0.57 | 3 | 63 | Marshall | 55.1 | Highest |
| Ranked | 28 | Ness | 0.43 | 4 | 67 | Rawlins | 53.2 | Ranked |
| Counties | 29 | Stafford | 0.80 | 5 | 69 | Wallace | 53.8 | Counties |

| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
|---------------|-------|----------|---------|---|------|-----------|-------|-------------|
| Monthly | +3.74 | Franklin | 6.88 | 1 | +2.9 | Mitchell | 58.4 | Monthly |
| Precipitation | +3.64 | Osage | 6.58 | 2 | +2.8 | Lincoln | 59.1 | Temperature |
| | +2.70 | Lyon | 5.61 | 3 | +2.8 | Ellsworth | 59.4 | |
| Most Above | +2.64 | Miami | 6.01 | 4 | +2.7 | Jewell | 57.1 | Most Above |
| Normal | +2.40 | Coffey | 5.74 | 5 | +2.6 | Pratt | 60.0 | Normal |
| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
| Monthly | -1.57 | Hodgeman | 0.37 | 1 | +0.2 | Marshall | 55.1 | Monthly |
| Precipitation | -1.52 | Pawnee | 0.50 | 2 | +0.3 | Sherman | 52.6 | Temperature |
| | -1.48 | Ford | 0.57 | 3 | +0.3 | Decatur | 53.5 | |
| Most Below | -1.43 | Atchison | 1.62 | 4 | +0.4 | Rawlins | 53.2 | Most Below |
| Normal | -1.40 | Stafford | 0.80 | 5 | +0.6 | Norton | 54.3 | Normal |

| Temperature | | Precipitation |
|--------------------------|-----------|-------------------------|
| 45.2° | Average | 0.97" |
| +1.9° | Departure | -0.33" |
| 24 th Warmest | Rank | 63 rd Driest |

The month started on a cold note, as temperatures on the 1st averaged over 8° below normal across the Kansas Mesonet. Twenty sites set record lows on the 1st, including Fort Scott (18°), Holton (14°), Ottawa (19°) and Washington (14°). Unusually, Fort Scott and Washington's lows on the 1st were also the coldest at those locations for the entire month. A warmup commenced on the 2nd, and was the first of seven consecutive above normal days. Average highs were in the 70s from the 5th through the 7th, and of the three days, the 7th had the warmest average high at 79°, a full 20° above normal. Over thirty Mesonet sites had highs in the 80s on the 7th, including at the Clark County site where the high was 89. The highest readings for the month were recorded on this date at Wallace (89°), Goodland (87°), Tribune (86°) and Dodge City (84°). Wallace's high was a new record for the month of November by two degrees, and Tribune and Goodland's highs both tied their monthly records. A brief cooldown brought slightly below normal average temperatures on the 9th and 10th before another extended run with above normal temperatures commenced on the 11th and lasted until the 20th. Within this stretch, average highs were at or slightly above 70° from the 12th through the 15th. The string of warmth came to an end as a storm system brought much cooler temperatures as well as significant rain for some areas. The longest stretch with below normal average temperatures during November began on the 23rd and lasted through the 28th, as a Thanksgiving weekend winter storm brought accumulating snow to much of the state. The snow cover kept low temperatures below normal, and average lows were in the teens from the 25th through the 28th. The morning of the 27th featured the coldest readings in the state so far this fall. The Mesonet site at the Flickner Tech Farm in McPherson County recorded a low of 0° that morning, which tied the co-operative site at Herington in Dickinson County for the coldest reading of the month. All nine climate divisions were above normal for the month; departures ranged from +1.1° in northeast Kansas to +2.8° in north central Kansas. All 105 counties in Kansas averaged at least 0.3° above normal for November.

Precipitation was scarce until the second half of November. From November 1st through the 18th, an average of only 0.02" fell across Kansas. Precipitation on the 19th and 20th averaged just over half an inch across the state, but the western third missed out on significant moisture. Two-day totals of over an inch were most common in the central third of the state, but there were areas further east that picked up more than an inch as well. Just a few days later, another precipitation event impacted the state, but with colder air in place, most of the precipitation fell as snow. Central Kansas had the most, with as much as 14" of snow measured in Marion County, with up to a foot of snow in parts of Reno, Harvey and Morris Counties. It was the largest snow event in nearly a decade in Wichita (7.8"), Topeka (7.2") and Manhattan (6.0"). The only areas that observed rain were in southeast Kansas, where warmer temperatures kept the precipitation as mostly liquid. Two divisions had above normal precipitation for the month: central (1.22") and south central (1.47"). The remaining divisions were all below normal. Only 24 of Kansas' 105 counties had above normal precipitation in November. Sedgwick County had the highest average precipitation (2.26"), while Greeley County had the least precipitation (0.09").

November 2023 County Data

| | Total Precipitation (in) | | | | | Average Temperature (°F) | | | |
|-------|--------------------------|-------|----------|------|-----------------|--------------------------|---------|------------------|--|
| | Wettest | | Driest | | Warmest Coldest | | Coldest | | |
| Value | County | Value | County | Rank | Value | County | Value | County | |
| 2.26 | Sedgwick | 0.09 | Greeley | 1 | 49.4 | Cherokee | 42.1 | Marshall | |
| 2.11 | Sumner | 0.10 | Hamilton | 2 | 48.6 | Labette | 42.1 | Nemaha | |
| 1.93 | Cowley | 0.14 | Stanton | 3 | 48.6 | Crawford | 42.3 | Decatur | |
| 1.90 | Harper | 0.14 | Wichita | 4 | 48.3 | Montgomery | 42.4 | Rawlins | |
| 1.89 | Butler | 0.15 | Grant | 5 | 48.2 | Chautauqua | 42.6 | Jackson | |
| 1.80 | Wabaunsee | 0.15 | Kearny | 6 | 48.1 | Neosho | 42.7 | Greeley | |
| 1.79 | Greenwood | 0.15 | Wallace | 7 | 48.0 | Cowley | 42.7 | Norton | |
| 1.79 | Geary | 0.17 | Morton | 8 | 47.7 | Barber | 42.7 | Thomas | |
| 1.76 | Morris | 0.18 | Logan | 9 | 47.6 | Wilson | 42.7 | Washington | |
| 1.76 | Douglas | 0.19 | Cheyenne | 10 | 47.5 | Harper,Bourbon | 42.9 | Sheridan,Sherman | |

| Wettest Month | Rank | County | Value | | Rank | County | Value | Warmest Month |
|---------------|------|----------|-------|---|------|-----------|-------|---------------|
| Ranking | 31 | Barber | 1.68 | 1 | 12 | Russell | 46.1 | Ranking |
| | 36 | Sedgwick | 2.26 | 2 | 13 | Cheyenne | 43.0 | |
| Highest | 38 | Harper | 1.90 | 3 | 13 | Lincoln | 46.0 | Highest |
| Ranked | 40 | Pratt | 1.55 | 4 | 14 | Mitchell | 45.3 | Ranked |
| Counties | 41 | Cloud | 1.39 | 5 | 15 | Cloud | 45.7 | Counties |
| Driest Month | Rank | County | Value | | Rank | County | Value | Coldest Month |
| Ranking | 24 | Cherokee | 0.99 | 1 | 73 | Jackson | 42.6 | Ranking |
| | 28 | Bourbon | 0.94 | 2 | 76 | Marion | 44.4 | |
| Highest | 28 | Labette | 0.94 | 3 | 78 | Chase | 44.6 | Highest |
| Ranked | 29 | Greeley | 0.09 | 4 | 78 | Harvey | 45.1 | Ranked |
| Counties | 30 | Crawford | 1.11 | 5 | 79 | Jefferson | 44.1 | Counties |

| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
|---------------|-------|----------|---------|---|------|----------|-------|-------------|
| Monthly | +0.62 | Sedgwick | 2.26 | 1 | +3.6 | Cloud | 45.7 | Monthly |
| Precipitation | +0.40 | Sumner | 2.11 | 2 | +3.5 | Russell | 46.1 | Temperature |
| | +0.37 | Harper | 1.90 | 3 | +3.4 | Mitchell | 45.3 | |
| Most Above | +0.36 | Pratt | 1.55 | 4 | +3.3 | Osborne | 45.1 | Most Above |
| Normal | +0.33 | Barber | 1.68 | 5 | +3.2 | Lincoln | 46.0 | Normal |
| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
| Monthly | -2.07 | Cherokee | 0.99 | 1 | +0.3 | Marion | 44.4 | Monthly |
| Precipitation | -1.84 | Crawford | 1.11 | 2 | +0.3 | Harvey | 45.1 | Temperature |
| | -1.84 | Bourbon | 0.94 | 3 | +0.4 | Jackson | 42.6 | |
| Most Below | -1.83 | Labette | 0.94 | 4 | +0.4 | Chase | 44.6 | Most Below |
| Normal | -1.57 | Neosho | 1.00 | 5 | +0.7 | Sedgwick | 46.4 | Normal |

| December | 2023 |
|----------|------|
| | |

| Temperature | | Precipitation |
|-------------------------|-----------|-------------------------|
| 39.2° | Average | 2.13" |
| +6.0° | Departure | +1.06" |
| 2 nd Warmest | Rank | 9 th Wettest |

December started out cool. The average statewide temperature across the Kansas Mesonet was below normal for the first two days of the month, but it would be another three weeks before there were two more below normal days. Between the 3rd and the 24th, the 10th was the only below normal day. During that stretch there were ten days in which the average temperature was at least 10 degrees above normal. The 7th was the warmest day, with an average high of 69°. Over 40 new record highs were set on that date. The Clark County Mesonet site recorded the month's highest reading that afternoon of 80°. With no Arctic outbreaks during the month, no below zero lows were observed anywhere in the state. The coldest reading was 5° at the Hamilton County Mesonet site on the 10th. An extended period of cloudiness later in the month was accompanied by mild conditions. On the 20th through the 23rd, the average daily minimums were all above freezing, and over 130 locations set new daily record high minimums, with lows in the 50s in a few spots. More seasonable temperatures arrived in time for Christmas and lingered through the end of the year, but it was still the 2nd warmest December on record.

December was also a wet month. A significant precipitation event began on the 13th, and lasted until early on the 15th. When all was said and done, storm totals exceeded 3" in some areas. The highest total was 3.59", reported by a CoCoRaHS observer in southern Meade County. Reports of over 3 inches also came from Seward, Clark, Ford and Edwards Counties. In most areas, the bulk of the precipitation fell on the 14th. The highest 24-hour total was in Clark County, where the co-operative observer in Ashland picked up 2.30" as of 7 AM on the 15th. Not far behind was a 2.24" report near Bucklin, in Ford County. The Bucklin total was historic, as it was the largest 24-hour amount ever recorded in the month of December at that location, where records date back 130 years. A second storm system arrived in southwest Kansas on the 21st and lingered through the 22nd, primarily impacting southern and eastern Kansas. A more significant system affected the state starting on the evening of the 23rd. Southwest Kansas felt its impacts first as a line of thunderstorms formed in the Texas Panhandle and moved northeast. Moisture steadily streamed north into the state, leading to heavy rains overnight in south central Kansas that moved east and northeast into the morning of the 24th. Rainfall of 1 to 2 inches was reported across most of the eastern half of the state, with isolated totals of 2 to 3 inches in the Kansas City, Topeka and Emporia areas as well as in southeast Kansas. The highest 7-day total was in Lyon County east of Emporia where 2.99" was reported by a CoCoRaHS observer. The area of low pressure that produced the heavy rain was slow to depart the Central Plains. As it lingered, colder air was drawn in from the north bringing snow to many areas beginning on Christmas Day and lasting into the 26th. The snow, combined with gusty north and northwest winds, created blizzard conditions in Sherman and Cheyenne Counties. Goodland recorded a peak wind gust of 50 mph on the 26th, and an observer in eastern Cheyenne County reported 8.5" of snow for the event. Further east, snow amounts in north central Kansas were generally from 3 to 5 inches. Parts of northeast Kansas picked up 1 to 2 inches, with a few reports of 4 to 5 inches closer to the Nebraska border. Very little if any snow was observed south of a line from Wichita to Kansas City. These two events combined to make it the 9th wettest December on record. Southwest Kansas recorded their 3rd wettest December, and south central had its 6th wettest.

December 2023 County Data

| | Total Precipitation (in) | | | | Average Temperature (°F) | | | |
|-------|--------------------------|-------|----------|------|--------------------------|------------|---------|----------|
| | Wettest | | Driest | | Warmest | | Coldest | |
| Value | County | Value | County | Rank | Value | County | Value | County |
| 3.55 | Cowley | 0.65 | Decatur | 1 | 43.9 | Cherokee | 35.5 | Greeley |
| 3.45 | Coffey | 0.77 | Rawlins | 2 | 43.5 | Labette | 36.0 | Thomas |
| 3.42 | Osage | 0.82 | Norton | 3 | 43.3 | Montgomery | 36.0 | Wallace |
| 3.35 | Sumner | 0.85 | Thomas | 4 | 42.9 | Woodson | 36.1 | Sherman |
| 3.22 | Edwards | 0.87 | Cheyenne | 5 | 42.9 | Wilson | 36.2 | Decatur |
| 3.20 | Johnson | 0.90 | Sherman | 6 | 42.9 | Neosho | 36.2 | Jewell |
| 3.20 | Chautauqua | 0.91 | Wallace | 7 | 42.9 | Crawford | 36.2 | Rawlins |
| 3.16 | Lyon | 0.92 | Sheridan | 8 | 42.8 | Harper | 36.3 | Norton |
| 3.15 | Wyandotte | 0.96 | Logan | 9 | 42.8 | Chautauqua | 36.3 | Sheridan |
| 3.11 | Clark | 1.02 | Greeley | 10 | 42.6 | Allen | 36.3 | Smith |

| Wettest Month | Rank | County | Value | | Rank | County | Value | Warmest Month |
|---------------|------|----------|-------|---|------|----------|-------|---------------|
| Ranking | 3 | Ford | 2.94 | 1 | 1 | Barton | 39.7 | Ranking |
| | 3 | Gray | 2.48 | 2 | 1 | Rush | 39.2 | |
| Highest | 3 | Haskell | 2.22 | 3 | 1 | Russell | 39.3 | Highest |
| Ranked | 3 | Seward | 2.36 | 4 | 2 | Allen | 42.6 | Ranked |
| Counties | 4 | Clark | 3.11 | 5 | 2 | Anderson | 42.2 | Counties |
| Driest Month | Rank | County | Value | | Rank | County | Value | Coldest Month |
| Ranking | 93 | Decatur | 0.65 | 1 | 121 | Greeley | 35.5 | Ranking |
| | 98 | Wilson | 2.06 | 2 | 122 | Wallace | 36.0 | |
| Highest | 99 | Cherokee | 2.67 | 3 | 123 | Logan | 36.5 | Highest |
| Ranked | 99 | Neosho | 2.28 | 4 | 124 | Morton | 39.8 | Ranked |
| Counties | 99 | Norton | 0.82 | 5 | 124 | Wichita | 36.4 | Counties |

| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
|---------------|-------|---------|---------|---|------|----------|-------|-------------|
| Monthly | +2.27 | Edwards | 3.22 | 1 | +7.6 | Doniphan | 39.0 | Monthly |
| Precipitation | +2.14 | Clark | 3.11 | 2 | +7.6 | Woodson | 42.9 | Temperature |
| | +2.09 | Kiowa | 3.10 | 3 | +7.5 | Coffey | 42.1 | |
| Most Above | +2.04 | Cowley | 3.55 | 4 | +7.5 | Anderson | 42.2 | Most Above |
| Normal | +2.02 | Ford | 2.94 | 5 | +7.5 | Miami | 41.7 | Normal |
| Total | Dep. | County | Precip. | | Dep. | County | Temp. | Average |
| Monthly | +0.05 | Decatur | 0.65 | 1 | +3.8 | Greeley | 35.5 | Monthly |
| Precipitation | +0.17 | Norton | 0.82 | 2 | +4.3 | Wallace | 36.0 | Temperature |
| | +0.23 | Rawlins | 0.77 | 3 | +4.3 | Wichita | 36.4 | |
| Most Below | +0.23 | Labette | 2.37 | 4 | +4.7 | Scott | 36.9 | Most Below |
| Normal | +0.30 | Wilson | 2.06 | 5 | +4.7 | Logan | 36.5 | Normal |

| | | Tem | perature | (°F) | Precipita | ation (in) | | Tem | perature | (°F) | Precipita | ition (in) |
|---------|-------|------|----------|--------|-----------|------------|-----|------|----------|--------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 38.8 | 74 | 12 | 0.95 | 0.37 | JUL | 81.6 | 103 | 57 | 5.75 | 2.06 |
| | JAIN | +5.1 | 2 | 31 | -0.23 | 18 | JUL | +1.0 | 12 | 10 | +1.33 | 13 |
| | FEB | 41.9 | 75 | 14 | 1.33 | 0.51 | AUG | 81.5 | 106 | 59 | 7.12 | 2.46 |
| rte | FEB | +3.6 | 28 | 1 | -0.23 | 14 | AUG | +1.9 | 2 | 3 days | +3.33 | 13 |
| Chanute | MAR | 47.0 | 81 | 15 | 0.88 | 0.27 | SEP | 74.0 | 102 | 49 | 1.91 | 1.24 |
| ರ | IVIAK | -1.3 | 31 | 19 | -1.62 | 16 | SEP | +2.9 | 5 | 13 | -2.19 | 22 |
| | APR | 57.5 | 86 | 25 | 0.68 | 0.22 | ОСТ | 60.5 | 90 | 21 | 2.71 | 0.87 |
| | AFN | -0.2 | 18 | 23 | -3.57 | 5 | OCI | +1.1 | 1, 21 | 31 | -0.62 | 24 |
| | MAY | 68.8 | 93 | 33 | 3.61 | 0.75 | NOV | 49.3 | 82 | 19 | 1.52 | 0.81 |
| | IVIAT | +1.9 | 6 | 3 | -2.26 | 12 | NOV | +1.8 | 7 | 1 | -0.84 | 30 |
| | JUN | 77.4 | 105 | 58 | 3.50 | 1.82 | DEC | 43.5 | 68 | 23 | 1.39 | 0.90 |
| | JOIN | +1.2 | 29 | 4 days | -2.12 | 10 | DEC | +6.4 | 7 | 18, 19 | -0.32 | 24 |

| | | Tem | perature | (°F) | Precipita | ition (in) | | Tem | perature | (°F) | Precipita | ition (in) |
|-----------|-------|------|----------|------|-----------|------------|-----|------|----------|------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 31.7 | 61 | 5 | 1.18 | 0.52 | JUL | 80.1 | 109 | 59 | 2.37 | 0.67 |
| | JAIN | +2.9 | 9 | 31 | +0.51 | 21 | JUL | +1.2 | 28 | 9 | -1.78 | 22 |
| | FEB | 36.6 | 65 | 4 | 0.75 | 0.41 | AUG | 81.5 | 109 | 58 | 4.25 | 1.68 |
| Concordia | FEB | +3.8 | 26 | 23 | -0.11 | 26 | AUG | +5.1 | 21 | 15 | +0.76 | 25 |
| 0)(| MAR | 41.9 | 76 | 14 | 0.49 | 0.24 | SEP | 74.2 | 103 | 48 | 2.46 | 1.22 |
| Sor | IVIAN | -1.6 | 30 | 19 | -1.04 | 25 | JEF | +5.7 | 2 | 13 | -0.34 | 22 |
| | APR | 55.9 | 88 | 23 | 1.08 | 0.66 | ОСТ | 58.2 | 93 | 20 | 1.50 | 0.84 |
| | AFN | +2.8 | 13 | 6 | -1.45 | 20 | OCI | +2.6 | 1 | 30 | -0.48 | 3 |
| | MAY | 68.3 | 94 | 37 | 4.08 | 2.20 | NOV | 47.3 | 75 | 18 | 1.33 | 0.84 |
| | IVIAT | +4.8 | 7 | 1 | -0.26 | 9 | NOV | +5.2 | 7 | 26 | +0.17 | 19 |
| | JUN | 75.9 | 98 | 51 | 3.57 | 1.01 | DEC | 39.2 | 65 | 18 | 1.56 | 0.59 |
| | JOIN | +1.5 | 28 | 13 | -0.26 | 21 | DEC | +7.7 | 7 | 2 | +0.52 | 15 |

| | | Tem | perature | (°F) | Precipita | ation (in) | | Tem | perature | (°F) | Precipita | ition (in) |
|-------|-------|------|----------|--------|-----------|------------|-----|------|----------|------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 33.2 | 70 | 4 | 0.57 | 0.43 | JUL | 78.9 | 103 | 56 | 5.87 | 2.98 |
| | JAIN | +0.2 | 15 | 30, 31 | -0.03 | 21 | JOL | -1.2 | 17, 18 | 9 | +2.79 | 20 |
| > | FEB | 37.3 | 74 | 3 | 0.30 | 0.15 | AUG | 79.3 | 107 | 54 | 1.18 | 0.31 |
| City | FEB | +1.1 | 21, 26 | 23 | -0.32 | 26 | AUG | +1.2 | 19 | 27 | -1.81 | 11 |
| Dodge | MAR | 42.7 | 78 | 8 | 0.23 | 0.12 | SEP | 73.5 | 105 | 49 | 2.74 | 1.60 |
| poc | IVIAN | -2.7 | 22 | 19 | -1.12 | 23 | JEF | +3.5 | 4 | 24 | +1.43 | 10 |
| | APR | 55.0 | 90 | 20 | 1.78 | 1.33 | ОСТ | 57.9 | 91 | 17 | 0.15 | 0.11 |
| | APK | +0.7 | 18 | 6 | -0.21 | 26 | OCI | +1.1 | 20 | 30 | -1.87 | 3 |
| | MAY | 66.7 | 94 | 37 | 2.23 | 1.45 | NOV | 47.0 | 84 | 15 | 0.48 | 0.36 |
| | IVIAT | +1.9 | 9 | 1 | -0.76 | 19 | NOV | +3.3 | 7 | 26 | -0.32 | 25 |
| | JUN | 72.4 | 97 | 52 | 6.29 | 1.21 | DEC | 39.4 | 73 | 17 | 2.28 | 1.76 |
| | JOIN | -2.7 | 27 | 14 | +3.00 | 3 | DEC | +5.5 | 7 | 10 | +1.32 | 14 |

| | | Tem | perature | (°F) | Precipita | ation (in) | | Tem | perature | (°F) | Precipita | ition (in) |
|---------|-------|------|----------|------|-----------|------------|-----|------|----------|--------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 35.3 | 61 | 8 | 0.99 | 0.51 | JUL | 80.0 | 105 | 60 | 2.89 | 1.08 |
| | JAN | +4.3 | 1 | 31 | +0.21 | 18 | JUL | +1.0 | 28 | 10, 22 | -1.01 | 14 |
| | FEB | 39.1 | 69 | 10 | 2.12 | 0.69 | AUG | 81.7 | 112 | 55 | 2.27 | 0.81 |
| ria | FEB | +3.7 | 6 | 1, 3 | +0.81 | 26 | AUG | +4.2 | 19 | 18 | -1.59 | 13 |
| Emporia | MAR | 45.0 | 83 | 15 | 1.12 | 0.33 | SEP | 74.3 | 100 | 51 | 0.85 | 0.56 |
| Εn | IVIAN | -0.6 | 22 | 19 | -1.00 | 3 | JEF | +5.3 | 2, 3 | 14 | -2.40 | 11 |
| | APR | 57.2 | 88 | 27 | 2.81 | 0.95 | ОСТ | 59.3 | 92 | 24 | 6.98 | 4.13 |
| | AFN | +1.7 | 4 | 6 | -1.03 | 15 | OCI | +2.1 | 1 | 30 | +3.88 | 24 |
| | MAY | 67.5 | 95 | 37 | 2.54 | 1.11 | NOV | 47.0 | 77 | 15 | 2.15 | 0.68 |
| | IVIAT | +2.4 | 6 | 1 | -2.47 | 24 | NOV | +2.4 | 7 | 28 | +0.30 | 19 |
| | JUN | 75.2 | 101 | 53 | 3.53 | 1.50 | DEC | 40.6 | 68 | 23 | 3.41 | 2.07 |
| | JOIN | +1.0 | 30 | 12 | -1.00 | 5 | DEC | +6.3 | 7 | 10 | +2.11 | 24 |

| | | Tem | perature | (°F) | Precipita | ation (in) | | Tem | perature | (°F) | Precipita | ition (in) |
|--------|-------|------|----------|--------|-----------|------------|-----|------|----------|------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 29.7 | 66 | -1 | 0.37 | 0.35 | JUL | 76.7 | 101 | 53 | 4.83 | 2.64 |
| | JAIN | -1.5 | 15 | 31 | +0.07 | 21 | JUL | -1.7 | 17 | 9 | +1.40 | 20 |
| >- | FEB | 34.6 | 75 | -1 | 0.18 | 0.15 | AUG | 75.8 | 100 | 53 | 3.14 | 1.36 |
| City | FEB | -0.1 | 26 | 1 | -0.22 | 15 | AUG | -0.4 | 19 | 27 | +0.65 | 4 |
| Garden | MAR | 40.8 | 80 | 10 | 0.01 | 0.01 | SEP | 71.0 | 101 | 46 | 1.99 | 1.58 |
| arc | IVIAK | -3.2 | 22 | 18, 19 | -1.06 | 27 | SEP | +2.4 | 4 | 24 | +0.62 | 10 |
| 9 | APR | 52.8 | 90 | 23 | 2.33 | 1.81 | ОСТ | 55.0 | 89 | 11 | 0.49 | 0.29 |
| | APK | +0.1 | 13, 18 | 6 | +0.87 | 26 | UCI | -0.1 | 20 | 30 | -0.93 | 2 |
| | MAY | 65.0 | 94 | 40 | 3.63 | 0.99 | NOV | 44.3 | 85 | 11 | 0.06 | 0.05 |
| | IVIAT | +1.6 | 9 | 1 | +1.11 | 18 | NOV | +2.4 | 7 | 26 | -0.36 | 25 |
| | JUN | 70.1 | 96 | 50 | 4.66 | 0.91 | DEC | 36.8 | 76 | 11 | 2.18 | 1.90 |
| | JOIN | -3.7 | 28 | 14 | +1.15 | 17 | DEC | +4.5 | 7 | 10 | +1.62 | 14 |

| | | Tem | perature | (°F) | Precipita | ation (in) | | Tem | perature | (°F) | Precipita | ation (in) |
|----------|--------|------|----------|------|-----------|------------|-----|------|----------|--------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 25.2 | 54 | -6 | 0.87 | 0.38 | JUL | 74.7 | 102 | 49 | 4.17 | 1.06 |
| | JAIN | -5.0 | 13 | 31 | +0.55 | 21 | JUL | -1.4 | 25 | 9 | +1.09 | 8 |
| _ | FEB | 31.3 | 69 | -4 | 0.58 | 0.35 | AUG | 74.9 | 100 | 50 | 3.58 | 1.66 |
| Goodland | FEB | -1.0 | 26 | 23 | +0.11 | 14 | AUG | +1.3 | 16, 19 | 14, 15 | +0.52 | 7 |
| pc | MAR | 36.2 | 80 | 11 | 0.97 | 0.41 | SEP | 68.5 | 100 | 40 | Trace | Trace |
| 909 | IVIAIN | -5.2 | 30 | 18 | +0.09 | 25 | JLF | +3.2 | 1, 2 | 24 | -1.40 | 10 |
| | APR | 49.7 | 93 | 17 | 0.56 | 0.24 | ОСТ | 51.7 | 88 | 11 | 0.38 | 0.12 |
| | AFN | +0.4 | 12 | 23 | -1.13 | 14 | OCI | -0.1 | 20 | 30 | -1.03 | 3 |
| | MAY | 61.7 | 87 | 31 | 4.09 | 1.50 | NOV | 42.8 | 87 | 15 | 0.28 | 0.14 |
| | IVIAI | +2.1 | 30 | 1 | +1.28 | 10 | NOV | +3.2 | 7 | 24, 25 | -0.26 | 24 |
| | JUN | 68.4 | 91 | 50 | 5.56 | 1.28 | DEC | 35.8 | 74 | 11 | 1.04 | 0.34 |
| | JOIN | -2.3 | 28 | 13 | +2.60 | 16 | DEC | +5.0 | 6 | 1 | +0.57 | 14 |

| | | Tem | perature | (°F) | Precipita | ation (in) | | Tem | perature | (°F) | Precipita | ition (in) |
|------|-------|------|----------|--------|-----------|------------|-----|------|----------|--------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 33.4 | 64 | 5 | 1.13 | 0.30 | JUL | 79.8 | 108 | 59 | 3.99 | 1.10 |
| | JAIN | +1.2 | 10 | 23, 24 | +0.57 | 3, 22 | JOL | -0.4 | 29 | 9 | -0.15 | 1 |
| | FEB | 35.9 | 73 | 9 | 0.53 | 0.33 | AUG | 80.5 | 108 | 60 | 4.13 | 1.56 |
| S | FEB | +0.6 | 27 | 3 days | -0.26 | 27 | AUG | +2.3 | 20 | 3 days | +0.55 | 4 |
| Науѕ | MAR | 41.7 | 77 | 16 | 0.08 | 0.06 | SEP | 73.2 | 104 | 52 | 0.57 | 0.22 |
| _ | IVIAN | -3.0 | 31 | 19 | -1.22 | 28 | JEF | +3.3 | 3 | 12, 13 | -1.55 | 12 |
| | APR | 54.6 | 90 | 28 | 0.70 | 0.40 | ОСТ | 60.6 | 95 | 22 | 0.70 | 0.55 |
| | AFN | +1.2 | 13 | 5, 6 | -1.52 | 10 | OCI | +4.3 | 1 | 30, 31 | -1.05 | 25 |
| | MAY | 67.4 | 92 | 38 | 2.94 | 1.55 | NOV | 46.8 | 79 | 20 | 0.52 | 0.32 |
| | IVIAI | +3.6 | 8, 31 | 2, 3 | -0.71 | 19 | NOV | +3.4 | 8 | 5 days | -0.36 | 19 |
| | JUN | 75.9 | 106 | 59 | 2.90 | 0.95 | DEC | 41.4 | 75 | 23 | 1.94 | 1.71 |
| | JOIN | +0.2 | 29 | 3 days | -0.19 | 17 | DEC | +7.0 | 7, 8 | 3 days | +1.18 | 15 |

| | | Tem | perature | (°F) | Precipita | ition (in) | | Tem | perature | (°F) | Precipita | ition (in) |
|-----------|-------|------|----------|------|-----------|------------|-----|------|----------|------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 29.1 | 60 | -5 | 0.79 | 0.43 | JUL | 78.7 | 107 | 55 | 1.42 | 0.41 |
| | JAIN | -0.9 | 8, 9 | 31 | +0.46 | 21 | JUL | -1.0 | 30 | 9 | -2.19 | 19 |
| | FEB | 33.5 | 73 | 1 | 0.45 | 0.34 | AUG | 79.3 | 107 | 53 | 3.19 | 0.89 |
| ity | FEB | +0.4 | 26 | 23 | +0.00 | 26 | AUG | +2.5 | 4 days | 15 | +0.24 | 5 |
| Hill City | MAR | 39.2 | 80 | 8 | 0.34 | 0.13 | SEP | 72.7 | 106 | 44 | 0.11 | 0.09 |
| Ξ | IVIAN | -3.8 | 30 | 19 | -0.74 | 24 | JEF | +4.4 | 2 | 12 | -1.95 | 15 |
| | APR | 53.6 | 92 | 19 | 0.32 | 0.21 | ОСТ | 55.6 | 93 | 13 | 0.53 | 0.27 |
| | APK | +1.5 | 12, 13 | 23 | -1.65 | 27 | UCI | +1.1 | 20 | 30 | -1.07 | 25 |
| | MAY | 66.5 | 92 | 29 | 3.45 | 1.62 | NOV | 45.8 | 78 | 17 | 0.38 | 0.33 |
| | IVIAT | +3.6 | 30 | 1 | +0.11 | 25 | NOV | +4.7 | 7 | 26 | -0.28 | 19 |
| | JUN | 73.8 | 97 | 53 | 5.27 | 2.41 | DEC | 37.6 | 78 | 16 | 0.84 | 0.78 |
| | JOIN | -0.4 | 24 | 13 | +2.48 | 30 | DEC | +6.2 | 6 | 10 | +0.18 | 14 |

| | | Tem | perature | (°F) | Precipita | ation (in) | | Tem | perature | (°F) | Precipita | ation (in) |
|-----------|--------|------|----------|--------|-----------|------------|-----|------|----------|--------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 32.4 | 57 | 6 | 1.79 | 0.82 | JUL | 78.4 | 105 | 60 | 4.53 | 1.96 |
| | JAIN | +3.1 | 16 | 31 | +1.15 | 3 | JOL | -1.6 | 29 | 9 | -0.09 | 5 |
| _ | FEB | 34.0 | 65 | 6 | 0.84 | 0.51 | AUG | 79.1 | 111 | 57 | 2.04 | 0.79 |
| Manhattan | ILD | +0.4 | 7, 22 | 1 | -0.30 | 27 | AUU | +1.4 | 20 | 15 | -2.36 | 4 |
| ha | MAR | 41.4 | 72 | 12 | 0.69 | 0.23 | SEP | 72.4 | 100 | 49 | 0.56 | 0.46 |
| ∕lar | IVIAIN | -2.5 | 6, 31 | 19, 20 | -1.48 | 17 | JLF | +3.2 | 3 | 12, 13 | -2.85 | 22 |
| | APR | 55.0 | 88 | 26 | 2.25 | 1.36 | ОСТ | 57.6 | 93 | 23 | 1.88 | 1.12 |
| | AFIN | +0.7 | 5 | 6, 7 | -1.13 | 20 | OCI | +1.0 | 1 | 31 | -0.62 | 4 |
| | MAY | 65.8 | 92 | 37 | 3.76 | 1.94 | NOV | 44.0 | 72 | 18 | 1.81 | 1.09 |
| | IVIAI | +0.8 | 8 | 3 | -1.47 | 10 | NOV | +0.8 | 4 days | 5 days | +0.19 | 20 |
| | JUN | 74.4 | 99 | 50 | 3.30 | 1.25 | DEC | 38.6 | 64 | 20 | 2.49 | 0.84 |
| | JOIN | -0.7 | 29 | 13 | -2.17 | 1 | DEC | +5.9 | 8 | 2, 3 | +1.30 | 25 |

| | | Tem | perature | (°F) | Precipita | ation (in) | | Tem | perature | (°F) | Precipita | ition (in) |
|----------|-------|------|----------|--------|-----------|------------|-----|------|----------|--------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 36.8 | 66 | 7 | 0.93 | 0.31 | JUL | 80.5 | 103 | 59 | 7.82 | 3.13 |
| | JAIN | +2.7 | 15 | 31 | +0.13 | 21 | JUL | -1.5 | 3 days | 12 | -4.69 | 6 |
| Lodge | FEB | 38.3 | 72 | 8 | 0.58 | 0.52 | AUG | 80.5 | 106 | 57 | 2.96 | 1.23 |
| | FEB | +0.3 | 28 | 1 | -0.45 | 26 | AUG | +0.5 | 19 | 15 | -0.55 | 13 |
| Medicine | MAR | 46.1 | 82 | 9 | 0.05 | 0.03 | SEP | 74.9 | 103 | 51 | 2.06 | 1.05 |
| dic | IVIAN | -1.4 | 5, 22 | 19 | -1.98 | 30 | JEF | +3.2 | 4 | 17, 26 | -0.55 | 15 |
| ₩ | APR | 56.2 | 91 | 28 | 1.38 | 0.65 | ОСТ | 61.8 | 93 | 23 | 1.19 | 0.61 |
| | AFN | -0.7 | 19 | 3 days | -1.05 | 26 | UCI | +3.3 | 20 | 30 | -1.25 | 28 |
| | MAY | 67.9 | 95 | 34 | 4.71 | 1.77 | NOV | 48.3 | 76 | 15 | 2.36 | 0.79 |
| | IVIAI | +0.9 | 6, 7 | 1 | +1.06 | 29 | NOV | +2.7 | 3, 7 | 26, 27 | +1.26 | 25 |
| | JUN | 75.3 | 103 | 57 | 4.63 | 1.22 | DEC | 43.7 | 74 | 20 | 2.11 | 0.77 |
| | JOIN | -2.3 | 28 | 7, 15 | +0.70 | 1 | DEC | +8.2 | 7 | 10 | +1.02 | 23 |

| | | Tem | perature | (°F) | Precipita | ition (in) | | Tem | perature | (°F) | Precipita | ition (in) |
|--------|-------|------|----------|------|-----------|------------|-----|------|----------|--------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 35.4 | 61 | 9 | 1.73 | 0.89 | JUL | 79.2 | 100 | 60 | 4.16 | 1.04 |
| | JAIN | +5.4 | 1 | 31 | +0.67 | 2 | JUL | +1.0 | 26, 28 | 10 | -0.06 | 14 |
| | FEB | 38.8 | 69 | 9 | 2.39 | 0.63 | AUG | 79.8 | 105 | 59 | 2.28 | 1.05 |
| e | LED | +4.3 | 6 | 1 | +0.98 | 8 | AUG | +2.8 | 25 | 16 | -2.10 | 13 |
| Olathe | MAR | 43.1 | 79 | 15 | 2.71 | 0.71 | SEP | 73.6 | 99 | 52 | 4.80 | 1.31 |
| 0 | IVIAN | -2.0 | 31 | 19 | +0.44 | 24 | SEP | +5.2 | 5 | 14, 18 | +1.26 | 23 |
| | APR | 56.6 | 83 | 32 | 0.84 | 0.46 | ОСТ | 58.9 | 89 | 25 | 5.36 | 2.31 |
| | APK | +1.8 | 4 | 23 | -3.03 | 20 | UCI | +2.2 | 1 | 31 | +2.35 | 25 |
| | MAY | 68.1 | 93 | 40 | 2.63 | 0.79 | NOV | 46.2 | 76 | 19 | 1.43 | 0.64 |
| | IVIAT | +3.5 | 6 | 3 | -2.75 | 31 | NOV | +2.2 | 7 | 27, 28 | -0.60 | 20 |
| | JUN | 76.4 | 100 | 52 | 0.96 | 0.47 | DEC | 40.9 | 65 | 23 | 3.28 | 1.57 |
| | JOIN | +2.0 | 29, 30 | 13 | -4.19 | 5 | DEC | +7.1 | 7 | 18, 19 | +1.86 | 24 |

| | | Tem | perature | (°F) | Precipita | ation (in) | | Tem | perature | (°F) | Precipita | ation (in) |
|--------|--------|------|----------|-------|-----------|------------|-----|------|----------|--------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 32.9 | 61 | 7 | 1.21 | 0.54 | JUL | 80.6 | 108 | 60 | 3.69 | 1.14 |
| | JAIN | +2.1 | 16 | 31 | +0.50 | 18 | JOL | -0.3 | 28 | 22 | -0.23 | 4 |
| | FEB | 37.1 | 67 | 6 | 0.70 | 0.45 | AUG | 81.5 | 113 | 57 | 2.02 | 0.53 |
| g | FEB | +2.2 | 26, 27 | 1 | -0.17 | 26 | AUG | +2.9 | 19 | 15 | -1.69 | 4 |
| Salina | MAR | 42.8 | 76 | 9 | 0.42 | 0.14 | SEP | 74.4 | 102 | 51 | 1.02 | 0.51 |
| S | IVIAIN | -2.5 | 5 | 19 | -1.40 | 16, 24 | JLF | +4.3 | 2 | 13, 24 | -1.63 | 15 |
| | APR | 56.1 | 89 | 23 | 1.58 | 0.76 | ОСТ | 58.9 | 94 | 20 | 1.77 | 0.69 |
| | AFN | +1.5 | 4 | 6 | -1.14 | 14 | OCI | +1.9 | 1 | 31 | -0.39 | 3 |
| | MAY | 68.2 | 95 | 32 | 2.19 | 0.93 | NOV | 46.0 | 75 | 13 | 1.42 | 0.43 |
| | IVIAI | +3.1 | 7 | 3 | -2.85 | 15 | NOV | +2.4 | 5, 7 | 27 | +0.20 | 19 |
| | JUN | 76.1 | 102 | 56 | 5.80 | 1.52 | DEC | 39.0 | 67 | 20 | 1.53 | 0.76 |
| | JUN | -0.1 | 28 | 7, 12 | +2.05 | 30 | DEC | +6.1 | 7 | 10, 11 | +0.41 | 24 |

| | | Tem | perature | (°F) | Precipita | ation (in) | | Tem | perature | (°F) | Precipita | ation (in) |
|--------|-------|------|----------|------|-----------|------------|-----|------|----------|------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 34.3 | 62 | 8 | 1.15 | 0.57 | JUL | 80.2 | 104 | 59 | 4.47 | 2.56 |
| | JAIN | +4.1 | 1 | 31 | +0.26 | 18 | JUL | +0.4 | 28 | 10 | +0.48 | 14 |
| | FEB | 38.5 | 71 | 8 | 2.86 | 0.90 | AUG | 80.6 | 111 | 56 | 2.04 | 1.37 |
| ka | FEB | +3.6 | 6 | 1, 3 | +1.55 | 27 | AUG | +2.7 | 19 | 18 | -2.51 | 13 |
| Topeka | MAR | 44.4 | 81 | 14 | 1.61 | 0.31 | SEP | 73.8 | 101 | 49 | 1.20 | 0.89 |
| 잍 | IVIAN | -1.2 | 31 | 19 | -0.64 | 3 | JEF | +4.6 | 4 | 13 | -2.32 | 22 |
| | APR | 57.4 | 89 | 28 | 1.82 | 0.61 | ОСТ | 59.5 | 94 | 20 | 1.22 | 0.42 |
| | AFN | +1.9 | 4 | 6 | -1.99 | 20 | OCI | +2.5 | 1 | 31 | -1.63 | 28 |
| | MAY | 68.4 | 98 | 35 | 4.65 | 2.48 | NOV | 45.4 | 79 | 14 | 1.56 | 0.53 |
| | IVIAI | +2.7 | 6 | 3 | -0.52 | 31 | NOV | +1.2 | 7 | 26 | -0.22 | 25 |
| | JUN | 77.2 | 101 | 52 | 1.83 | 0.51 | DEC | 40.9 | 66 | 21 | 2.92 | 1.39 |
| | JUN | +1.7 | 28, 29 | 13 | -3.09 | 30 | DEC | +7.0 | 7 | 19 | +1.43 | 24 |

| | | Tem | perature | (°F) | Precipita | ition (in) | | Tem | perature | (°F) | Precipita | ition (in) |
|---------|-------|------|----------|------|-----------|------------|-----|------|----------|--------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 26.7 | 63 | -10 | 1.41 | 0.62 | JUL | 72.8 | 101 | 46 | 4.04 | 2.47 |
| | JAIN | -3.5 | 10 | 31 | +0.98 | 21 | JUL | -3.7 | 26 | 9 | +0.90 | 21 |
| | FEB | 27.7 | 74 | -8 | 0.90 | 0.47 | AUG | 73.5 | 103 | 48 | 1.10 | 0.83 |
| ne | LED | -5.3 | 27 | 1 | +0.36 | 16 | AUG | -0.5 | 19 | 15, 30 | -1.77 | 4 |
| Tribune | MAR | 35.1 | 80 | 4 | 0.17 | 0.08 | SEP | 67.1 | 101 | 39 | 1.22 | 0.78 |
| Ë | IVIAN | -6.6 | 31 | 19 | -0.82 | 24 | SEP | +1.0 | 3, 5 | 12 | +0.09 | 11 |
| | APR | 48.5 | 90 | 12 | 0.97 | 0.50 | ОСТ | 51.8 | 94 | 5 | 0.45 | 0.22 |
| | APK | -1.3 | 13, 14 | 5 | -0.69 | 26 | UCI | -0.7 | 1 | 30, 31 | -1.14 | 3 |
| | MAY | 60.7 | 90 | 32 | 3.69 | 1.46 | NOV | 40.8 | 86 | 10 | 0.07 | 0.06 |
| | IVIAT | +0.4 | 10 | 1 | +1.46 | 25 | NOV | +0.6 | 8 | 27, 28 | -0.46 | 21 |
| | JUN | 65.8 | 91 | 45 | 5.59 | 1.06 | DEC | 32.8 | 73 | 9 | 1.09 | 0.84 |
| | JOIN | -5.6 | 29 | 13 | +2.82 | 13 | DEC | +1.8 | 8 | 1, 10 | +0.53 | 14 |

| | | Tem | perature | (°F) | Precipita | ition (in) | | Tem | perature | (°F) | Precipita | ition (in) |
|---------|-------|------|----------|--------|-----------|------------|-----|------|----------|--------|-----------|------------|
| | | Avg. | Max | Min | Total | Max | | Avg. | Max | Min | Total | Max |
| | | Dep. | Date | Date | Dep. | Date | | Dep. | Date | Date | Dep. | Date |
| | JAN | 36.6 | 63 | 7 | 1.25 | 0.60 | JUL | 80.8 | 103 | 62 | 4.60 | 2.00 |
| | JAIN | +3.4 | 16 | 31 | +0.40 | 18 | JOL | -0.7 | 31 | 10 | +0.62 | 5 |
| | FEB | 38.7 | 68 | 11 | 1.28 | 0.92 | AUG | 82.4 | 111 | 60 | 2.38 | 1.16 |
| ita | FEB | +1.1 | 27, 28 | 23 | +0.08 | 26 | AUG | +2.5 | 19 | 15 | -1.92 | 9 |
| Wichita | MAR | 46.5 | 79 | 12 | 0.12 | 0.05 | SEP | 76.0 | 99 | 54 | 1.18 | 1.03 |
| ≥ | IVIAN | -0.9 | 22 | 19 | -2.18 | 3 | JEF | +4.3 | 3, 4 | 25, 26 | -1.87 | 11 |
| | APR | 57.2 | 89 | 29 | 0.60 | 0.17 | ОСТ | 60.6 | 93 | 23 | 5.98 | 4.24 |
| | AFN | +0.7 | 4 | 5 | -2.50 | 4 | OCI | +1.6 | 1 | 31 | +3.13 | 25 |
| | MAY | 68.2 | 95 | 35 | 3.14 | 1.53 | NOV | 46.6 | 76 | 13 | 2.90 | 1.12 |
| | IVIAT | +1.5 | 6 | 3 | -2.03 | 14 | NOV | +0.8 | 7 | 27 | +1.54 | 20 |
| | JUN | 76.2 | 102 | 59 | 4.70 | 1.28 | DEC | 40.9 | 66 | 22 | 2.64 | 0.98 |
| | JOIN | -0.7 | 28, 29 | 3 days | -0.23 | 5 | DEC | +5.3 | 7 | 10 | +1.42 | 24 |

Kansas Weather Extremes – 2023

| Period | Extreme | Value | Location | County | Network | Date |
|-----------|---|---|---|---|--|--|
| | Most | 42.79" | | Crawford | COOP | |
| Year | Least | | | Trego | COOP | |
| | | 11.91" | Herndon 1.7 NNW | | | May |
| Month | | 0.00" | 13 location | | | March |
| Dav | | | | | | Oct 25 |
| Year | Most | 112 days | Lawrence 2.2 W | Douglas | CoCoRaHS | |
| Year | Most | 47 days | Columbus | Cherokee | СООР | |
| Year | Most | 35 days | Oswego 1 N | Labette | СООР | |
| Year | Most | 16 days | Anthony 0.4 NNW | Harper | CoCoRaHS | |
| Year | Most | 44.0" | Goodland Renner Field | Sherman | WBAN | |
| Month | Most | _ | Goodland 16.6 NW | Sherman | CoCoRaHS | January |
| Day | Most | 14.0" | Marion 5.0 NNE | Marion | CoCoRaHS | Nov 26 |
| | Highest | 115° | Manhattan ASOS | Riley | COOP | Aug 19 |
| Year | Lowest | -11° | Cheyenne | Cheyenne | Mesonet | Jan 30 |
| | | | • | | | Jan 31 |
| Year | | | · | | | |
| | Lowest | 50.5° | | | | |
| | Most | 92 davs | | • | | |
| Year | | - | | | | |
| | Least | 31 days | | | | |
| Month | Most | 27 days | | | | August |
| | | - | | • | | |
| | Most | 28 days | | | | |
| year | Least | 3 days | | | | |
| Marath | Most | - | | | | August |
| ivionth | | - | | | | August |
| Voor | IVIOST | 35 days | | | | |
| rear | Least | 3 days | | | | |
| | Mest | · | | | MRAIN | |
| Year | | • | | | COOR | |
| Month | | • | | • | | luki |
| IVIOIILII | | | | | | July |
| Voor | IVIUSL | 1// uays | | | | |
| iedi | Least | 80 days | | | | |
| | | | | | | |
| Year | Most | 10 days | Tribune 1 W | Greeley | COOP | |
| | | | 1112411C ± VV | O. CCICy | | |
| | Year Month Day Year Year Year Month Day Year Year Month Day Year Year Year Month Year Month Year Month Year | YearMost LeastMonthMostDayMostYearMostYearMostYearMostMonthMostDayMostYearHighestLowestLowestYearMostMonthMostYearLeastMonthMostYearLeastMonthMostYearLeastMonthMostYearLeastMonthMostYearLeastMonthMostYearLeastMonthMostYearLeastMonthMostLeastMostLeastMostLeastLeast | Year Most Least 14.00" Month Most Day 11.91" 1.91" Least 0.00" 0.00" Day Most 9.35" Year Most 112 days Year Most 47 days Year Most 35 days Year Most 16 days Year Most 16 days Year Most 18.7" Most 14.0" Month Most 18.7" Lowest 115° Year Highest 115° 11° Year Lowest 50.5° 11° Most 20 days 14.0" Least 31 days 14.0" Most 27 days 14.0" Most 27 days 14.0" Least 31 days 14.0" Most 27 days 14.0" Most 28 days 14.0" Most 28 days 14.0" Most 31 days 14.0" Most 32 days 14.0" | Year Most Least 14.00" Wakeeney Month Least 0.00" Most 11.91" Herndon 1.7 NNW Day Most 9.35" Osage City 5.2 SW Year Most 112 days | Year Most Least 42.79" Hitsburg Crawford Trego Month Amoth Least 14.00" Herndon 1.7 NNW Rawlins Trego Day Most Most 9.35" Osage City 5.2 SW Osage Osage Year Most Most Most 112 days Lawrence 2.2 W Douglas Douglas Year Most Most Most Most Most Most Most Most | Year Most Least 14.00" 42.79" Wakeeney Trego COOP COOP COOP Month Least 10.00" Herndon 1.7 NNW Rawlins CoCoRaHS COCORAHS 13 locations CoCCORAHS COCORAHS COCORAHS COCORAHS COCORAHS Pass CoCORAHS COCORAMS COCORAM |

| | | High | Tempera | ature | Low | Tempera | ature | | Precin | itation | |
|----------------|------|------|---------|-------|------|---------|-------|-------|--------|---------|-------|
| Location | | 6 | (°F) | | | (°F) | | | | n.) | |
| | | ≥ 90 | ≥ 100 | ≤ 32 | ≥ 70 | ≤ 32 | ≤ 0 | ≥ .01 | ≥ .10 | ≥ .25 | ≥ .50 |
| Ashland | 2023 | 79 | 22 | 6 | 8 | 138 | 0 | 72 | 50 | 29 | 16 |
| Asilialiu | Avg | 84 | 23 | 14 | 20 | 139 | 2 | 64 | 42 | 26 | 16 |
| Concordia | 2023 | 71 | 18 | 12 | 33 | 112 | 0 | 78 | 44 | 31 | 20 |
| Concordia | Avg | 50 | 7 | 28 | 27 | 122 | 4 | 90 | 51 | 33 | 18 |
| Dodge City | 2023 | 66 | 16 | 9 | 21 | 128 | 0 | 75 | 40 | 24 | 15 |
| Douge City | Avg | 71 | 14 | 19 | 17 | 128 | 2 | 74 | 41 | 26 | 14 |
| Emporia | 2023 | 72 | 17 | 7 | 32 | 104 | 0 | 92 | 49 | 38 | 22 |
| Епіропа | Avg | 44 | 5 | 24 | 30 | 116 | 2 | 101 | 55 | 37 | 23 |
| Garden City | 2023 | 50 | 3 | 11 | 6 | 154 | 2 | 60 | 38 | 26 | 16 |
| Garden City | Avg | 74 | 16 | 20 | 6 | 149 | 4 | 71 | 35 | 22 | 12 |
| Goodland | 2023 | 41 | 6 | 30 | 1 | 170 | 5 | 82 | 47 | 23 | 13 |
| Goodiand | Avg | 52 | 6 | 25 | 1 | 158 | 5 | 81 | 39 | 22 | 12 |
| Hays | 2023 | 65 | 20 | 16 | 14 | 156 | 2 | 69 | 46 | 27 | 11 |
| пауз | Avg | 66 | 15 | 25 | 18 | 139 | 5 | 75 | 44 | 29 | 16 |
| Hill City | 2023 | 75 | 18 | 13 | 20 | 151 | 2 | 73 | 34 | 21 | 10 |
| Hill City | Avg | 63 | 13 | 25 | 10 | 156 | 6 | 78 | 38 | 24 | 13 |
| Llutchincon | 2023 | 89 | 21 | 8 | 25 | 122 | 0 | 73 | 49 | 33 | 16 |
| Hutchinson | Avg | 63 | 12 | 22 | 27 | 127 | 2 | 82 | 51 | 34 | 22 |
| Laumanaa | 2023 | 71 | 14 | 7 | 29 | 121 | 0 | 99 | 63 | 37 | 18 |
| Lawrence | Avg | 42 | 5 | 24 | 42 | 104 | 3 | 105 | 57 | 39 | 24 |
| N.A la atta | 2023 | 50 | 12 | 14 | 27 | 122 | 0 | 82 | 45 | 29 | 17 |
| Manhattan | Avg | 59 | 9 | 22 | 29 | 125 | 4 | 102 | 57 | 37 | 22 |
| D | 2023 | 82 | 19 | 3 | 32 | 105 | 0 | 79 | 49 | 35 | 17 |
| Parsons | Avg | 47 | 5 | 17 | 35 | 105 | 2 | 91 | 54 | 37 | 23 |
| Duesell | 2023 | 71 | 18 | 14 | 19 | 133 | 0 | 78 | 48 | 24 | 13 |
| Russell | Avg | 63 | 13 | 24 | 26 | 130 | 3 | 83 | 44 | 29 | 16 |
| Cali | 2023 | 76 | 20 | 10 | 31 | 121 | 0 | 84 | 49 | 31 | 17 |
| Salina | Avg | 68 | 16 | 20 | 42 | 116 | 2 | 89 | 52 | 34 | 19 |
| Cunith Courtsu | 2023 | 56 | 14 | 18 | 11 | 151 | 4 | 72 | 44 | 31 | 16 |
| Smith Center | Avg | 61 | 12 | 28 | 17 | 136 | 5 | 84 | 48 | 30 | 17 |
| Tarasta | 2023 | 73 | 15 | 7 | 37 | 107 | 0 | 99 | 58 | 35 | 16 |
| Topeka | Avg | 50 | 6 | 22 | 38 | 114 | 3 | 98 | 60 | 39 | 23 |
| T.11. | 2023 | 42 | 8 | 22 | 0 | 179 | 10 | 80 | 37 | 25 | 14 |
| Tribune | Avg | 65 | 12 | 21 | 1 | 161 | 6 | 65 | 38 | 21 | 11 |
| AM Le | 2023 | 70 | 20 | 7 | 39 | 97 | 0 | 76 | 48 | 33 | 21 |
| Wichita | Avg | 65 | 12 | 16 | 48 | 103 | 1 | 87 | 52 | 36 | 23 |
| NA (* | 2023 | 84 | 23 | 4 | 43 | 98 | 0 | 83 | 47 | 32 | 20 |
| Winfield | Avg | 55 | 9 | 15 | 35 | 109 | 1 | 91 | 51 | 36 | 23 |

BOLD numbers indicate above average counts. Average counts based on the 30-year period 1991-2020.

| | Mor | Maximum hthly Precipitation | Mo | Minimum nthly Precipitation | N. | Maximum Ionthly Snowfall |
|-----------|---------------|--------------------------------|--------------|---------------------------------|--------------|--------------------------------|
| Month | Value | Location County | Value | Location County | Value | Location County |
| January | 3.18" | Olathe 1.6 NNE Johnson | 0.06" | Quinter 13.6 SSE Gove | 18.7" | Goodland 16.6 NW Sherman |
| February | 3.89" | Hiawatha 8.0 SSW Brown | 0.06" | Bucklin 0.2 N Ford | 12.0" | Sharon Springs 10 S Wallace |
| March | 3.73" | Lawrence 1.6 ESE Douglas | 0.00" | 13 locations | 7.8" | Atwood 0.7 S Rawlins |
| April | 5.23" | Ottawa 5.6 SW Franklin | 0.12" | Dresden 1.2 W Decatur | 1.0" | Atwood 0.7 S Rawlins |
| May | 11.91" | Herndon 1.7 NNW Rawlins | 0.99" | South Hutchinson 10.5 S Reno | 0.0" | |
| June | 11.11" | Anthony 0.4 NNW Harper | 0.59" | Osage City 5.2 SW Osage | 0.0" | |
| July | 10.77" | Dodge City 12.7 S Ford | 1.06" | Hutchinson 2.2 SW Reno | 0.0" | |
| August | 8.62" | Galesburg 1.0 SSW Neosho | 0.52" | Hugoton 0.6 NNW Stevens | 0.0" | |
| September | 7.89" | Farlington 0.8 NNE Crawford | Trace | 3 locations Sherman, Thomas | 0.0" | |
| October | 11.39" | Osage City 5.2 SW Osage | 0.05" | Ellinwood 2.7 ESE Barton | 3.6" | Goodland 16.6 NW Sherman |
| November | 2.56" | Derby 2.3 N Sedgwick | Trace | Holcomb 0.5 SSE Finney | 14.0" | Marion 5.0 NNE Marion |
| December | 4.78" | Dexter 7.0 SSE Cowley | 0.49" | Norcatur 4.4 S Decatur | 9.1" | Colby 1.3 NE Thomas |
| YEAR | 11.91" May | Herndon 1.7 NNW Rawlins | 0.00" Mar | 13 locations | 18.7" Jan | Goodland 16.6 NW Sherman |

Table 3. Highest and lowest monthly precipitation, and most monthly snowfall, as reported by CoCoRaHS observers across the state of Kansas.

| | N | Nost Precipitation | L | east Precipitation | | Most Snowfall |
|-------|--------|-----------------------------|--------|------------------------------|-------|-----------------------------|
| Rank | Value | Location | Value | Location | Value | Location |
| Nailk | value | County | value | County | value | County |
| 1 | 42.47" | Baldwin City 0.6 W | 15.35" | Stockton 10.4 WNW | 42.0" | Goodland 0.5 ENE |
| | 42.47 | Douglas | 13.33 | Rooks | 42.0 | Sherman |
| 2 | 42.04" | Anthony 0.4 NNW | 16.87" | Quinter 13.6 SSE | 41.6" | Goodland 16.6 NW |
| | 72.07 | Harper | 10.07 | Gove | 71.0 | Sherman |
| 3 | 40.40" | Farlington 0.8 NNE | 17.01" | Arnold 4.8 NNW | 40.0" | Goodland 10.3 WNW |
| | 10.10 | Crawford | 17.01 | Ness | 10.0 | Sherman |
| 4 | 40.16" | Kansas City 4.9 WNW | 18.51" | Utica 6.1 NNE | 36.9" | Atwood 0.7 S |
| - | | Wyandotte | | Trego | | Rawlins |
| 5 | 40.09" | Baldwin City 4.6 NNE | 18.54" | Hays 7.1 SW | 35.2" | Ludell 5.4 NNE |
| | | Douglas | | Ellis | | Rawlins |
| 6 | 39.77" | Overland Park 1.7 NE | 18.61" | Hutchinson 2.1 NW | 34.4" | Oberlin 5.0 W |
| | | Johnson | | Reno Cuba 5.0 NNW | | Decatur Trace 2.5 NNNA |
| 7 | 39.45" | Osage City 5.2 SW | 18.97" | | 32.8" | Traer 2.5 NNW |
| | | Osage Lake Quivira 0.6 W | | Republic Hutchinson 2.5 W | | Decatur Goodland 12.1 NW |
| 8 | 39.41" | Johnson | 19.02" | Reno | 32.2" | Sherman |
| | | Girard 4.6 W | | Hays 8.9 NNE | | McDonald 0.2 N |
| 9 | 38.34" | Crawford | 19.29" | Ellis | 30.7" | Rawlins |
| | | Ottawa 5.6 SW | | Oberlin 7.9 N | | Oberlin 7.9 N |
| 10 | 38.30" | Franklin | 19.36" | Decatur | 30.0" | Decatur |
| | | Overland Park 3.3 S | | Norcatur 3.1 WSW | | Goodland 0.5 ENE |
| 11 | 38.25" | Johnson | 19.60" | Decatur | 29.7" | Sherman |
| 4.0 | 27.00" | Shawnee 4.6 WSW | 40.65" | S. Hutchinson 0.7 NNE | 20.0" | Sharon Springs 9.4 SSE |
| 12 | 37.92" | Johnson | 19.65" | Reno | 29.2" | Wallace |
| 4.2 | 27.52" | Overland Park 4.0 S | 40.04" | Jetmore 14.9 WSW | 20.0% | Colby 0.6 NNW |
| 13 | 37.52" | Johnson | 19.84" | Hodgeman | 28.9" | Thomas |
| 14 | 37.46" | Emporia 0.9 W | 19.99" | Ada 7.0 NNW | 27.9" | Herndon 1.7 NNW |
| 14 | 37.40 | Lyon | 19.55 | Ottawa | 27.5 | Rawlins |
| 15 | 37.44" | Spring Hill 2.5 ENE | 20.00" | Cedar Bluff 4.9 NW | 27.7" | Oakley 0.3 NE |
| 13 | 37.44 | Johnson | 20.00 | Trego | 27.7 | Logan |
| 16 | 36.89" | Baldwin City 7.5 WSW | 20.07" | Winona 3.7 SSW | 25.3" | Hoxie 11.2 SW |
| 10 | 30.03 | Douglas | 20.07 | Logan | 23.3 | Sheridan |
| 17 | 36.84" | Altoona 7.2 NNE | 20.23" | Hays 1.3 SSE | 24.1" | Phillipsburg 5.7 E |
| _, | 55.51 | Wilson | | Ellis | ,_ | Phillips |
| 18 | 36.54" | Quenemo 7.1 N | 20.48" | Offerle 0.1 SE | 23.5" | Norcatur 4.4 S |
| | | Osage | | Edwards | | Decatur |
| 19 | 36.36" | Emporia 5.6 ESE | 20.62" | Scott City 4.9 NNW | 23.1" | Ellis 4.0 SW |
| | | Lyon | | Scott | | Trego |
| 20 | 36.30" | Ottawa 6.3 SSW | 20.68" | Abilene 7.9 NNW | 23.0" | Norcatur 3.1 WSW |
| | | Franklin | | Dickinson | | Decatur |

Table 4. Top 20 highest and lowest annual precipitation totals, and the top 20 highest annual snowfall totals as reported by CoCoRaHS observers across the state of Kansas.

2023 Kansas County Climate Data

| | Total Yearly Precipitation (in.) | | | | | | | | | | |
|------|----------------------------------|-------------|------|-------|--------------|------|-------|----------|--|--|--|
| Rank | Value | County | Rank | Value | County | Rank | Value | County | | | |
| 1 | 37.32 | Cherokee | 36 | 28.15 | Chase | 71 | 23.38 | Russell | | | |
| 2 | 36.04 | Franklin | 37 | 28.08 | Meade | 72 | 23.19 | Cloud | | | |
| 3 | 35.18 | Crawford | 38 | 27.93 | Jackson | 73 | 23.15 | Pawnee | | | |
| 4 | 34.47 | Harper | 39 | 27.92 | Wabaunsee | 74 | 22.88 | Ottawa | | | |
| 5 | 34.32 | Miami | 40 | 27.64 | Woodson | 75 | 22.66 | Phillips | | | |
| 6 | 33.94 | Johnson | 41 | 27.53 | Butler | 76 | 22.63 | Grant | | | |
| 7 | 33.73 | Douglas | 42 | 27.03 | Pratt | 77 | 22.59 | Lincoln | | | |
| 8 | 33.19 | Wyandotte | 43 | 26.82 | Chautauqua | 78 | 22.58 | Morton | | | |
| 9 | 32.91 | Labette | 44 | 26.62 | Dickinson | 79 | 22.36 | Republic | | | |
| 10 | 32.82 | Osage | 45 | 26.42 | Greenwood | 80 | 22.35 | Jewell | | | |
| 11 | 32.60 | Comanche | 46 | 26.41 | Pottawatomie | 81 | 22.21 | Wichita | | | |
| 12 | 32.51 | Leavenworth | 47 | 26.37 | Seward | 82 | 22.17 | Stanton | | | |
| 13 | 32.41 | Linn | 48 | 26.21 | Rice | 83 | 22.15 | Hamilton | | | |
| 14 | 32.31 | Neosho | 49 | 26.06 | Geary | 84 | 21.99 | Osborne | | | |
| 15 | 31.76 | Barber | 50 | 26.02 | Morris | 85 | 21.96 | Norton | | | |
| 16 | 31.71 | Doniphan | 51 | 25.88 | Barton | 86 | 21.86 | Scott | | | |
| 17 | 31.43 | Anderson | 52 | 25.69 | Saline | 87 | 21.83 | Logan | | | |
| 18 | 31.10 | Wilson | 53 | 25.63 | Riley | 88 | 21.50 | Rawlins | | | |
| 19 | 30.89 | Lyon | 54 | 25.38 | Elk | 89 | 21.49 | Hodgeman | | | |
| 20 | 30.84 | Sumner | 55 | 25.26 | Gray | 90 | 21.37 | Thomas | | | |
| 21 | 30.34 | Atchison | 56 | 25.21 | Ellsworth | 91 | 21.25 | Decatur | | | |
| 22 | 30.16 | Kingman | 57 | 25.02 | Haskell | 92 | 21.22 | Rush | | | |
| 23 | 29.70 | Jefferson | 58 | 24.96 | Reno | 93 | 20.77 | Greeley | | | |
| 24 | 29.58 | Cowley | 59 | 24.80 | Stevens | 94 | 20.58 | Sherman | | | |
| 25 | 29.54 | Clark | 60 | 24.73 | Smith | 95 | 20.44 | Rooks | | | |
| 26 | 29.44 | Coffey | 61 | 24.57 | Ford | 96 | 20.32 | Cheyenne | | | |
| 27 | 29.33 | Bourbon | 62 | 24.43 | Washington | 97 | 20.23 | Mitchell | | | |
| 28 | 29.17 | Allen | 63 | 24.24 | Stafford | 98 | 20.21 | Wallace | | | |
| 29 | 29.14 | Nemaha | 64 | 24.06 | Clay | 99 | 20.02 | Lane | | | |
| 30 | 28.89 | Brown | 65 | 24.04 | Harvey | 100 | 19.96 | Ellis | | | |
| 31 | 28.63 | Sedgwick | 66 | 23.97 | Marion | 101 | 19.87 | Sheridan | | | |
| 32 | 28.60 | Montgomery | 67 | 23.93 | Kearny | 102 | 19.38 | Gove | | | |
| 33 | 28.58 | Kiowa | 68 | 23.64 | McPherson | 103 | 18.60 | Ness | | | |
| 34 | 28.28 | Shawnee | 69 | 23.45 | Edwards | 104 | 18.46 | Graham | | | |
| 35 | 28.22 | Marshall | 70 | 23.40 | Finney | 105 | 16.86 | Trego | | | |

2023 Kansas County Climate Data

| | Average Yearly Temperature (°F) | | | | | | | | | | | |
|------|---------------------------------|------------|------|-------|--------------|------|-------|------------|--|--|--|--|
| Rank | Value | County | Rank | Value | County | Rank | Value | County | | | | |
| 1 | 60.0 | Cherokee | 36 | 57.4 | Meade | 71 | 55.7 | Ness | | | | |
| 2 | 59.6 | Montgomery | 37 | 57.4 | Wyandotte | 72 | 55.6 | Ellis | | | | |
| 3 | 59.5 | Sumner | 38 | 57.4 | Marion | 73 | 55.6 | Atchison | | | | |
| 4 | 59.5 | Labette | 39 | 57.3 | Ellsworth | 74 | 55.5 | Osborne | | | | |
| 5 | 59.5 | Chautauqua | 40 | 57.3 | Kiowa | 75 | 55.5 | Stanton | | | | |
| 6 | 59.4 | Cowley | 41 | 57.2 | Douglas | 76 | 55.3 | Finney | | | | |
| 7 | 59.2 | Harper | 42 | 57.2 | Ottawa | 77 | 55.3 | Republic | | | | |
| 8 | 59.2 | Crawford | 43 | 57.2 | Chase | 78 | 55.3 | Jackson | | | | |
| 9 | 59.1 | Wilson | 44 | 57.1 | Geary | 79 | 55.1 | Doniphan | | | | |
| 10 | 59.0 | Neosho | 45 | 57.0 | Lincoln | 80 | 55.1 | Kearny | | | | |
| 11 | 58.9 | Sedgwick | 46 | 57.0 | Rice | 81 | 55.0 | Lane | | | | |
| 12 | 58.9 | Woodson | 47 | 57.0 | Shawnee | 82 | 54.9 | Rooks | | | | |
| 13 | 58.8 | Elk | 48 | 57.0 | Leavenworth | 83 | 54.9 | Trego | | | | |
| 14 | 58.8 | Barber | 49 | 56.9 | Edwards | 84 | 54.9 | Brown | | | | |
| 15 | 58.6 | Butler | 50 | 56.8 | Wabaunsee | 85 | 54.8 | Jewell | | | | |
| 16 | 58.5 | Allen | 51 | 56.8 | Seward | 86 | 54.7 | Hamilton | | | | |
| 17 | 58.5 | Coffey | 52 | 56.8 | Ford | 87 | 54.6 | Scott | | | | |
| 18 | 58.4 | Greenwood | 53 | 56.8 | Morris | 88 | 54.5 | Washington | | | | |
| 19 | 58.4 | Bourbon | 54 | 56.8 | Russell | 89 | 54.4 | Gove | | | | |
| 20 | 58.1 | Harvey | 55 | 56.6 | Cloud | 90 | 54.3 | Nemaha | | | | |
| 21 | 58.1 | Kingman | 56 | 56.6 | Stafford | 91 | 54.2 | Graham | | | | |
| 22 | 58.0 | Clark | 57 | 56.6 | Hodgeman | 92 | 54.2 | Marshall | | | | |
| 23 | 58.0 | Comanche | 58 | 56.6 | Clay | 93 | 54.1 | Smith | | | | |
| 24 | 58.0 | Anderson | 59 | 56.5 | Stevens | 94 | 53.9 | Phillips | | | | |
| 25 | 57.9 | Linn | 60 | 56.4 | Jefferson | 95 | 53.8 | Wichita | | | | |
| 26 | 57.8 | Lyon | 61 | 56.4 | Riley | 96 | 53.8 | Logan | | | | |
| 27 | 57.8 | Saline | 62 | 56.3 | Pawnee | 97 | 53.2 | Sheridan | | | | |
| 28 | 57.7 | Osage | 63 | 56.2 | Barton | 98 | 53.0 | Norton | | | | |
| 29 | 57.7 | Miami | 64 | 56.2 | Morton | 99 | 52.7 | Greeley | | | | |
| 30 | 57.6 | Pratt | 65 | 56.0 | Gray | 100 | 52.7 | Wallace | | | | |
| 31 | 57.6 | Franklin | 66 | 55.9 | Mitchell | 101 | 52.6 | Thomas | | | | |
| 32 | 57.6 | Reno | 67 | 55.8 | Rush | 102 | 52.5 | Decatur | | | | |
| 33 | 57.6 | McPherson | 68 | 55.7 | Haskell | 103 | 52.3 | Rawlins | | | | |
| 34 | 57.5 | Johnson | 69 | 55.7 | Grant | 104 | 52.3 | Cheyenne | | | | |
| 35 | 57.5 | Dickinson | 70 | 55.7 | Pottawatomie | 105 | 52.1 | Sherman | | | | |

2023 Kansas County Climate Data – Top 10 Lists

| | Rank | County | Value | | Rank | County | Value | |
|--------------------|--------|------------|---------|----|------|-------------|-------|--------------------|
| | 7 | Comanche | 32.60 | 1 | 2 | Johnson | 57.5 | |
| | 9 | Meade | 28.08 | 2 | 3 | Cloud | 56.6 | |
| Wettest Year | 10 | Seward | 26.37 | 3 | 3 | Coffey | 58.5 | Warmest Year |
| Ranking | 11 | Stanton | 22.17 | 4 | 3 | Leavenworth | 57.0 | Ranking |
| | 12 | Clark | 29.54 | 5 | 3 | Lyon | 57.8 | |
| Highest | 12 | Morton | 22.58 | 6 | 3 | Miami | 57.7 | Highest |
| Ranked Counties | 13 | Kearny | 23.93 | 7 | 3 | Osage | 57.7 | Ranked Counties |
| Counties | 14 | Stevens | 24.80 | 8 | 3 | Wyandotte | 57.4 | Counties |
| | 15 | Haskell | 25.02 | 9 | 4 | Butler | 58.6 | |
| | 16 | Hamilton | 22.15 | 10 | 4 | Franklin | 57.6 | |
| | Rank | County | Value | | Rank | County | Value | |
| | 10 | Elk | 25.38 | 1 | 88 | Greeley | 52.7 | |
| 5 | 11 | Chautauqua | 26.82 | 2 | 92 | Rawlins | 52.3 | |
| Driest Year | 12 | Bourbon | 29.33 | 3 | 92 | Wallace | 52.7 | Coldest Year |
| Ranking | 13 | Allen | 29.17 | 4 | 94 | Decatur | 52.5 | Ranking |
| Highest | 13 | Marion | 23.97 | 5 | 94 | Norton | 53.0 | Highest |
| Ranked | 13 | Montgomery | 28.60 | 6 | 96 | Hamilton | 54.7 | Ranked |
| Counties | 17 | Woodson | 27.64 | 7 | 96 | Stanton | 55.4 | Counties |
| Counties | 18 | Greenwood | 26.42 | 8 | 97 | Thomas | 52.6 | Counties |
| | 18 | Labette | 32.91 | 9 | 98 | Sheridan | 53.2 | |
| | 20 | Harvey | 24.04 | 10 | 100 | Logan | 53.7 | |
| | Dep. | County | Precip. | | Dep. | County | Temp. | |
| | +7.50 | Comanche | 32.60 | 1 | +2.7 | Coffey | 58.5 | |
| Total | +6.54 | Meade | 28.08 | 2 | +2.6 | Cloud | 56.6 | Avorago |
| Yearly | +6.50 | Clark | 29.54 | 3 | +2.5 | Lyon | 57.8 | Average Yearly |
| Precipitation | +6.45 | Seward | 26.37 | 4 | +2.4 | Woodson | 58.8 | Temperature |
| rrecipitation | +6.09 | Stevens | 24.80 | 5 | +2.3 | Osage | 57.7 | remperature |
| Most Above | +5.51 | Haskell | 25.02 | 6 | +2.3 | Johnson | 57.5 | Most Above |
| Normal | +5.22 | Morton | 22.58 | 7 | +2.3 | Greenwood | 58.4 | Normal |
| | +5.21 | Kearny | 23.93 | 8 | +2.3 | Republic | 55.3 | |
| | +4.81 | Stanton | 22.17 | 9 | +2.3 | Geary | 57.1 | |
| | +4.62 | Hamilton | 22.15 | 10 | +2.2 | Miami | 57.7 | |
| | Dep. | County | Precip. | | Dep. | County | Temp. | |
| | -14.38 | Elk | 25.38 | 1 | -0.4 | Greeley | 52.7 | |
| Total | -13.86 | Bourbon | 29.33 | 2 | -0.2 | Wallace | 52.7 | Average |
| Yearly | -13.84 | Montgomery | 28.60 | 3 | +0.1 | Sherman | 52.1 | Yearly |
| Precipitation | -13.26 | Chautauqua | 26.82 | 4 | +0.1 | Decatur | 52.5 | Temperature |
| 1 recipitation | -13.11 | Allen | 29.17 | 5 | +0.1 | Rawlins | 52.3 | remperature |
| Most Below | -12.34 | Woodson | 27.64 | 6 | +0.1 | Stanton | 55.4 | Most Below |
| Normal | -12.22 | Greenwood | 26.42 | 7 | +0.2 | Cheyenne | 52.3 | Normal |
| | -11.27 | Labette | 32.91 | 8 | +0.2 | Sheridan | 53.2 | |
| | -10.91 | Neosho | 32.31 | 9 | +0.2 | Norton | 53.0 | |
| | -10.40 | Marion | 23.97 | 10 | +0.2 | Thomas | 52.6 | |

| 2023 Annual Temperature and Precipitation Data – Public Reports | | | | | | | | | | | |
|---|------------|------|---------|------------|-----|-----------|-------------|--|--|--|--|
| Location | County | | Tempera | ature (°F) | | Precipita | ition (in.) | | | | |
| Location | County | Avg. | Dep. | Max | Min | Total | Dep. | | | | |
| Anthony | Harper | 58.9 | +1.4 | 107 | 9 | 38.99 | +5.85 | | | | |
| Ashland | Clark | 57.5 | +0.5 | 107 | 4 | 29.17 | +6.17 | | | | |
| Atwood | Rawlins | 52.5 | +0.5 | 104 | -4 | 21.17 | -0.91 | | | | |
| Beloit | Mitchell | 55.5 | +1.1 | 106 | 2 | 22.52 | -6.56 | | | | |
| Centralia Lake | Nemaha | 55.4 | +1.6 | 107 | 3 | 28.29 | -7.62 | | | | |
| Chanute-Johnson Airport | Neosho | 60.2 | +2.1 | 106 | 12 | 31.35 | -9.34 | | | | |
| Chapman | Dickinson | 56.5 | +2.0 | 109 | 5 | 27.64 | -5.83 | | | | |
| Cimarron | Gray | 56.5 | +1.3 | 106 | 2 | 27.60 | +5.99 | | | | |
| Clay Center | Clay | 55.8 | +1.4 | 110 | 5 | 21.37 | -10.48 | | | | |
| Coffeyville Wtr Wrks | Montgomery | 60.0 | +2.0 | 108 | 11 | 32.60 | -13.51 | | | | |
| Colby 1 SW | Thomas | 52.3 | +0.4 | 104 | -11 | 21.12 | +0.73 | | | | |
| Concordia | Cloud | 57.7 | +3.5 | 109 | 4 | 24.62 | -3.76 | | | | |
| Cottonwood Falls | Chase | 56.6 | +1.9 | 112 | 5 | 29.06 | -8.93 | | | | |
| Council Grove Lake | Morris | 56.2 | +0.6 | 108 | 7 | 27.72 | -7.27 | | | | |
| Dodge City Airport | Ford | 57.0 | +1.0 | 107 | 3 | 24.10 | +2.10 | | | | |
| El Dorado | Butler | 58.9 | +2.3 | 111 | 7 | 25.96 | -12.71 | | | | |
| Elkhart | Morton | 56.5 | +0.4 | 102 | -4 | 21.98 | +3.58 | | | | |
| Emporia | Lyon | 58.7 | +3.0 | 112 | 8 | 31.66 | -3.15 | | | | |
| Eskridge | Wabaunsee | 56.1 | +2.3 | 109 | 5 | 32.00 | -5.34 | | | | |
| Fort Scott | Bourbon | 58.0 | +0.9 | 104 | 10 | 27.92 | -16.57 | | | | |
| Fredonia | Wilson | 58.5 | +1.7 | 107 | 10 | 35.94 | -5.83 | | | | |
| Garden City Airport | Finney | 54.5 | +0.1 | 101 | -1 | 23.87 | +4.92 | | | | |
| Girard | Crawford | 59.1 | +2.4 | 106 | 11 | 38.79 | -6.82 | | | | |
| Goodland Renner Field | Sherman | 51.8 | +0.0 | 102 | -6 | 22.08 | +2.99 | | | | |
| Greensburg | Kiowa | 56.6 | +1.8 | 105 | 3 | 30.82 | +4.85 | | | | |
| Hays 1 S | Ellis | 55.1 | +0.7 | 108 | 0 | 21.15 | -3.29 | | | | |
| Haysville 3 SE | Sedgwick | 58.5 | +1.7 | 108 | 7 | 30.48 | -7.78 | | | | |
| Healy | Lane | 55.1 | +1.1 | 108 | -5 | 21.02 | -1.36 | | | | |
| Herington | Dickinson | 55.8 | +1.8 | 110 | 0 | 25.65 | -8.62 | | | | |
| Hill City Airport | Graham | 55.6 | +1.6 | 107 | -5 | 17.12 | -4.38 | | | | |
| Holton | Jackson | 53.9 | +1.3 | 105 | 2 | 29.72 | -7.66 | | | | |
| Horton | Brown | 54.8 | +1.5 | 104 | 3 | 30.54 | -7.40 | | | | |
| Hugoton | Stevens | 56.0 | +0.4 | 105 | 1 | 25.72 | +5.99 | | | | |
| Humboldt | Allen | 58.2 | +2.0 | 105 | 9 | 29.46 | -12.84 | | | | |
| Hutchinson | Reno | 58.2 | +1.6 | 110 | 7 | 21.67 | -11.26 | | | | |
| Independence | Montgomery | 59.3 | +1.7 | 110 | 13 | 28.70 | -16.70 | | | | |
| Iola 1 W | Allen | 57.0 | +1.1 | 106 | 7 | 28.69 | -13.35 | | | | |
| John Redmond Lake | Coffey | 59.9 | +4.0 | 110 | 9 | 25.59 | -11.19 | | | | |
| Johnson | Stanton | 55.6 | -0.3 | 104 | 0 | 23.18 | +5.71 | | | | |
| Kanopolis Lake | Ellsworth | 56.4 | +1.5 | 111 | 5 | 22.25 | -7.36 | | | | |

| l a salta a | Carration | | Tempera | iture (°F) | | Precipitation (in.) | | |
|----------------------------|--------------|------|---------|------------|-----|---------------------|--------|--|
| Location | County | Avg. | Dep. | Max | Min | Total | Dep. | |
| Kingman | Kingman | 57.2 | +1.2 | 107 | 4 | 31.21 | -2.01 | |
| Lawrence | Douglas | 57.1 | +1.8 | 112 | 5 | 29.84 | -5.74 | |
| Lincoln 1 SE | Lincoln | 55.6 | +1.9 | 109 | 1 | 20.46 | -8.60 | |
| Manhattan | Riley | 56.2 | +1.1 | 111 | 6 | 25.93 | -9.84 | |
| Marion Reservoir | Marion | 57.4 | +0.7 | 108 | 8 | 23.53 | -10.41 | |
| Marysville | Marshall | 54.4 | +0.9 | 110 | 0 | 29.84 | -3.76 | |
| McPherson | McPherson | 57.0 | +1.3 | 109 | 7 | 25.50 | -8.08 | |
| Medicine Lodge 1E | Barber | 59.4 | +1.5 | 106 | 7 | 30.78 | +3.03 | |
| Milford Lake | Geary | 57.6 | +2.9 | 112 | 5 | 27.08 | -5.82 | |
| Minneapolis | Ottawa | 57.2 | +2.1 | 111 | 5 | 22.60 | -9.12 | |
| Montezuma | Gray | 56.0 | +1.0 | 103 | 3 | 26.75 | +5.02 | |
| Mound City 1 SSW | Linn | 56.9 | +1.8 | 106 | 8 | 34.00 | -7.26 | |
| Olathe-Executive Arpt. | Johnson | 58.2 | +3.0 | 105 | 9 | 32.57 | -5.17 | |
| Osage City | Osage | 57.0 | +2.6 | 111 | 6 | 34.08 | -4.77 | |
| Parsons Tri City Arpt. | Labette | 59.5 | +1.5 | 111 | 11 | 25.25 | -12.62 | |
| Pittsburg | Crawford | 59.5 | +2.0 | 103 | 14 | 42.79 | -5.10 | |
| Plainville 4 WNW | Rooks | 54.9 | +1.5 | 110 | -1 | 21.09 | -5.02 | |
| Pomona Lake | Osage | 58.1 | +1.8 | 112 | 13 | 35.87 | -2.74 | |
| Russell Airport | Russell | 56.7 | +1.8 | 107 | 1 | 21.76 | -3.08 | |
| Salina Airport | Saline | 57.9 | +2.0 | 113 | 6 | 23.35 | -6.34 | |
| Sedan | Chautauqua | 59.9 | +2.5 | 112 | 12 | 29.19 | -11.35 | |
| Smith Center | Smith | 54.4 | +1.2 | 106 | -4 | 25.23 | -0.87 | |
| Sterling | Rice | 56.9 | +1.4 | 107 | 6 | 28.51 | -0.49 | |
| Syracuse 1 NE | Hamilton | 53.6 | +0.2 | 103 | -6 | 22.68 | +5.67 | |
| Tallgrass Prairie Preserve | Chase | 58.3 | +2.2 | 111 | 5 | 29.47 | -4.08 | |
| Topeka | Shawnee | 58.5 | +2.7 | 111 | 8 | 27.33 | -9.20 | |
| Tribune 1 W | Greeley | 50.4 | -1.9 | 103 | -10 | 20.70 | +2.26 | |
| Ulysses 3 NE | Grant | 54.4 | +0.3 | 103 | -2 | 21.68 | +3.92 | |
| Valley Falls | Jefferson | 57.3 | +2.4 | 109 | 6 | 28.42 | -9.19 | |
| WaKeeney | Trego | 55.1 | +1.1 | 108 | -1 | 14.00 | -9.92 | |
| Wallace | Wallace | 53.2 | +0.8 | 107 | -7 | 18.90 | -1.83 | |
| Wamego 4 W | Pottawatomie | 55.9 | +1.4 | 113 | 4 | 27.89 | -6.84 | |
| Washington | Washington | 53.9 | +1.0 | 109 | 1 | 26.41 | -6.00 | |
| Webster Dam | Rooks | 54.9 | +0.9 | 110 | 0 | 19.13 | -6.25 | |
| Wellington | Sumner | 58.7 | +1.7 | 108 | 9 | 32.19 | -3.95 | |
| Wichita-Eisenhower | Sedgwick | 59.3 | +1.6 | 111 | 7 | 30.77 | -3.54 | |
| Wichita-Jabara | Sedgwick | 59.2 | +2.1 | 110 | 6 | 24.48 | -8.13 | |
| Wilson Lake | Russell | 59.1 | +4.2 | 110 | 4 | 27.17 | +0.95 | |
| Winfield Strother Arpt. | Cowley | 60.3 | +2.0 | 110 | 9 | 26.31 | -8.57 | |
| Yates Center | Woodson | 58.3 | +2.4 | 111 | 10 | 31.85 | -9.96 | |

| Location | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|--------------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|-------------|--------------|
| | 3.2 | 1.7 | 0.4 | Trace | Trace | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 1.6 | 9.9 |
| Atchison | -1.8 | -3.1 | -1.4 | -0.4 | +0.0 | +0.0 | +0.0 | +0.0 | 0.0 | -0.3 | +2.1 | -2.2 | -7.1 |
| Coffeyville | 1.0 | 0.0 | 0.0 | Trace | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 1.2 |
| Coneyvine | -0.8 | -1.4 | -1.3 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | -0.4 | -3.2 | -7.1 |
| Cottonwood | 3.6 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 1.0 | 14.5 |
| Falls | -0.4 | -1.3 | +0.1 | -0.2 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | -0.3 | +8.1 | -2.1 | +3.9 |
| Dodge City | 7.9 | 1.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 0.7 | 15.3 |
| Douge city | +4.0 | -3.2 | -3.6 | -0.8 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | -0.6 | +3.9 | -3.3 | -3.8 |
| Garden City | 5.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 11.0 |
| Garacii city | +1.6 | -0.3 | -3.2 | -1.1 | -0.1 | +0.0 | +0.0 | +0.0 | +0.0 | -0.8 | +2.0 | -2.7 | -4.6 |
| Goodland | 16.4 | 9.8 | 5.3 | Trace | Trace | Trace | Trace | Trace | 0.0 | 1.4 | 1.5 | 9.6 | 44.0 |
| | +11.7 | +3.5 | +0.5 | -3.2 | -0.3 | +0.0 | +0.0 | +0.0 | -0.2 | -0.6 | -1.8 | +4.4 | +14.0 |
| Hays | 7.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | Trace | 8.3 |
| , | +3.8 | -3.1 | -1.7 | -0.3 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | -0.2 | +0.1 | -3.2 | -4.6 |
| Hutchinson | 3.0 | Trace | 0.5 | Trace | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 1.0 | 12.0 |
| | -0.5 | -1.9 | -1.8 | -0.3 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | -0.0 | +6.8 | -2.1 | +0.2 |
| Liberal | 0.5 | 1.5 | Trace | 0.0 | Trace | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 0.0 | 7.0 |
| | -3.0 | -0.3 | -2.3 | -0.4 | -0.1 | +0.0 | +0.0 | +0.0 | +0.0 | -0.8 | +4.0 | -4.6 | -7.4 |
| Manhattan | 1.1 | 0.1 | Trace | Trace | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 2.5 | 9.7 |
| | -3.7 | -4.9 | -1.8 | -0.1 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | +4.9 | -2.3 | -7.9 |
| Location | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
| Marysville | 4.8 | 1.6 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 2.6 | 13.8 |
| , | -0.1 | -2.7 | +0.4 | -0.7 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | -0.1 | +1.0 | -0.7 | -2.0 |
| Medicine | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 0.0 | 8.0 |
| Lodge | -1.6 | -4.0 | -0.8 | -0.1 | -0.1 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | +7.2 | -2.1 | -1.4 |
| Olathe | 1.7 | 1.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 5.7 |
| | -2.2 | -1.8 | -0.9 | -0.3 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | -0.3 | +0.8 | -3.4 | -8.1 |
| Pittsburg | 1.5 | Trace | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 |
| | -1.9 | -1.0 | -1.6 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | -0.6 | -2.9 | -8.0 |
| Salina | 3.0 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 +0.0 | 0.0 | 0.0 +0.0 | 0.0 | 0.0 | 4.2 | 2.0 | 9.6 |
| | -0.8 | -3.9 | -1.0 | -0.4 | +0.0 | | +0.0 | | +0.0 | -0.5 | +2.8 | -2.1 | -5.9 |
| Scott City | 8.0 +3.5 | 5.0 +1.0 | Trace -3.9 | 0.0 -1.8 | 0.0 +0.0 | 0.0 +0.0 | 0.0 +0.0 | 0.0 +0.0 | 0.0 +0.0 | Trace -1.2 | 2.0 +0.9 | 0.0 -3.1 | 15.0 -4.6 |
| | 7.5 | 4.2 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 13.7 |
| Smith Center | +3.1 | -1.7 | Trace -2.3 | -0.7 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | -0.5 | -0.5 | -2.0 | -4.6 |
| | 3.1 | 0.6 | 0.3 | Trace | Trace | 0.0 | 0.0 | 0.0 | 0.0 | Trace | 7.2 | 1.3 | 12.5 |
| Topeka | -1.5 | -4.6 | -1.4 | -0.1 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | -0.4 | +6.2 | -2.8 | -4.6 |
| | 12.4 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 21.5 |
| Tribune | +8.2 | +1.6 | -3.6 | -2.1 | -0.3 | +0.0 | +0.0 | +0.0 | -0.1 | -1.3 | -2.1 | -0.5 | -0.2 |
| | 1.6 | Trace | Trace | 0.0 | Trace | Trace | 0.0 | 0.0 | 0.0 | Trace | 7.8 | 0.2 | 9.6 |
| Wichita | -1.1 | -3.6 | -2.1 | -0.2 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 | -0.2 | +7.0 | -2.9 | -3.1 |
| | -1.1 | -3.0 | -2.1 | -0.2 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | -0.2 | 17.0 | -2.3 | -3.1 |

Table 5. Monthly/annual snowfall total at various locations across Kansas, and the monthly/annual departures from normal. Trace amounts in warmer months are due to hail.

| | | laximum nperature | | linimum nperature | | aximum y Precipitation |
|-----------|--------------------------------|----------------------|--------------------------------|-----------------------|---------------|---------------------------|
| Month | Value Date | Location | Value Date | Location | Value | Location |
| January | 74.6° 2 nd | Cherokee | -11.2° 30 th | Cheyenne | 2.45" | Corning 2NW |
| February | 80.4° 26 th | Moscow 10NW | -6.4° 23 rd | Ludell 3N | 3.33" | Hiawatha |
| March | 85.4° 22 nd | Lake City | 1.1° 19 th | Gray | 3.56" | Olathe |
| April | 96.6° 12 th | Sherman | 13.4° 6 th | Scandia | 3.44" | Overbrook |
| May | 98.1° 7 th | Lake City | 26.7° 1 st | Oberlin 7NE | 10.21" | Ludell 3N |
| June | 104.5° 28 th | Gypsum | 45.9° 13 th | Belleville 2W | 7.38" | Meade |
| July | 108.0° 17 th | Ness City | 46.3° 9 th | Cheyenne | 8.74" | Lake City |
| August | 113.6° 19 th | Ashland Bottoms | 45.3° 7 th | Sherman | 6.97" | Cherokee |
| September | 106.2° 4 th | Ashland 8S | 38.7° 24 th | Cheyenne | 4.49" | Scott City 3SE |
| October | 94.2° 1 st | Bunker Hill 3NE | 5.7° 30 th | Wallace | 6.97" | Ottawa 2SE |
| November | 89.2° 7 th | Ashland 8S | 0.4° 27 th | Flickner Tech Farm | 3.20" | Harper |
| December | 79.6° 7 th | Ashland 8S | 5.3° 10 th | Hamilton | 3.58" | Howard 14NW |
| YEAR | 113.6° Aug 19 th | Ashland Bottoms | -11.2° Jan 30 th | Cheyenne | 10.21" May | Ludell 3N |

Table 6. Maximum and minimum temperatures and maximum total precipitation by month across the Kansas Mesonet.

Kansas Mesonet Extremes – 2023

| Variable | Period | Extreme | Value | Location | County | Date |
|------------------------|-----------|---------|----------|---|---------------------|--------------------|
| | | Most | 37.29" | Overbrook | Osage | |
| | Year | Least | 15.71" | WaKeeney | Trego | |
| | | Most | 10.21" | Ludell 3N | Rawlins | May |
| Precipitation | Month | Least | 0.00" | 3 location (Cheyenne, Colby 1SW, Goo | ns | September |
| | Week | Most | 6.95" | Ottawa 2SE | Franklin | Oct 24- Oct 30 |
| | Day | Most | 4.86" | Overbrook | Osage | May 31 |
| | Hour | Most | 2.07" | Hiawatha | Brown | Jul 4 |
| High | | Highest | 113.6° | Ashland Bottoms | Riley | Aug 19 |
| Temperature | Year | Lowest | 4.7° | Tribune Tribune 6NE | Greeley Greeley | Jan 30 |
| Low | Year | Highest | 81.5° | Overbrook | Osage | Jul 26 |
| Temperature | | Lowest | -11.2° | Cheyenne | Cheyenne | Jan 30 |
| High Temperature | Year | Most | 79 days | Ashland | Clark | |
| ≥ 90° | | Least | 26 days | Hiawatha | Brown | |
| High Temperature | Year | Most | 26 days | Hodgeman | Hodgeman | |
| ≥ 100° | | Least | 1 day | Hiawatha | Brown | |
| High Temperature | Year | Most | 31 days | Cheyenne | Cheyenne | |
| · ≤ 32° | | Least | 2 days | Cherokee | Cherokee | |
| Low | Vasa | Most | 179 days | Cheyenne | Cheyenne | |
| Temperature ≤ 32° | Year | Least | 79 days | Cherokee Uniontown 3NW | Cherokee Bourbon | |
| Low Temperature | Year | Most | 7 days | Scott City 3SE | Scott | |
| ≤ 0° | i cai | Least | 0 days | 46 locatio | ns | |
| Low Temperature | Year | Most | 32 days | Harper | Harper | |
| ≥ 70° | i cai | Least | 0 days | 5 location | ns | |
| | Voor | Highest | 59.5° | Sedan | Chautauqua | |
| | Year | Lowest | 49.7° | Cheyenne | Cheyenne | |
| | Month | Highest | 81.3° | Sedan | Chautauqua | August |
| | IVIOIILII | Lowest | 23.4° | Cheyenne | Cheyenne | January |
| Average Temperature | NA/a ala | Highest | 90.4° | Manhattan | Riley | Aug 19 - Aug 25 |
| - | Week | Lowest | 12.0° | Cheyenne | Cheyenne | Jan 28 - Feb 3 |
| | Day | Highest | 92.4° | Osborne | Osborne | Jul 26 |
| | Day | Lowest | 0.0° | Sherman | Sherman | Jan 30 |

Kansas Mesonet Extremes – 2023

| Variable | Period | Extreme | Value | Location | County | Date |
|---------------------------------|--------|---------|--|-----------------|-----------|---------------------------|
| Diurnal Range - Temperature | Year | Largest | 60.5° (84.3°-23.8°) | Osborne | Osborne | Apr 17 |
| Average Diurnal | | Highest | 33.2° | Hamilton | Hamilton | |
| Range – Temperature | Year | Lowest | 20.2° | Oskaloosa 1SE | Jefferson | |
| Heat Index | Year | Highest | 123.2° (Temp 98°, Dew Point 82°) | Cherokee | Cherokee | Aug 21 |
| Range Between Year's Highest | Year | Highest | 114.2° (Max 105.3°, Min8.9°) | Sherman | Sherman | |
| and Lowest Temperatures | icai | Lowest | 90.6° (Max 105.0°, Min. 14.4°) | Cherokee | Cherokee | |
| Animal Comfort | Year | Highest | 127.3° (Temp 109°, Wind calm) | Butler | Butler | Aug 20 |
| Index | ieai | Lowest | -31.3° (Temp -9°, Wind 11 mph) | Wallace | Wallace | Jan 31 |
| Dew Point | Year | Highest | 83.2° | Hiawatha | Brown | Jul 26 |
| Dewronic | icai | Lowest | -15.2° | Ludell 3N | Rawlins | Feb 23 |
| Average Dew | Year | Highest | 48.1° | Cherokee | Cherokee | |
| Point | rear | Lowest | 35.2° | Tribune 6NE | Greeley | |
| Average Relative | Year | Highest | 71.9% | Hiawatha | Brown | |
| Humidity | Teal | Lowest | 56.8% | Richfield | Morton | |
| Average 4" Soil | Year | Highest | 61.6° | Haysville 3SE | Sedgwick | |
| Temperature | real | Lowest | 53.6° | Cheyenne | Cheyenne | |
| 2m Wind Speed | Year | Highest | 83.0 mph | Sublette 1E | Haskell | Feb 26 |
| | Vaar | Highest | 8.7 mph | Howard 14NW | Elk | |
| Average | Year | Lowest | 2.8 mph | Olathe | Johnson | |
| 2m Wind Speed | Month | Highest | 12.6 mph | Wallace | Wallace | April |
| | Day | Highest | 24.8 mph | Wallace | Wallace | Mar 16 |
| Wind Chill | Year | Lowest | -27.2° (Temp -9°, Wind 11 mph) | Wallace | Wallace | Jan 31 |
| | Hour | Highest | +20.1° (52.4° - 72.5°) | Ashland Bottoms | Riley | Apr 4 8 to 9 AM |
| Change in | Hour | Lowest | -29.0° (102.4° - 73.4°) | Scandia | Republic | Jul 28 4 to 5 PM |
| Average Temperature | Davi | Highest | +21.1° (17.2° - 39.3°) | Hiawatha | Brown | Feb 3 - Feb 4 |
| | Day | Lowest | -31.3° (71.2° - 39.9°) | Butler | Butler | Apr 4 - Apr 5 |

Kansas Mesonet Annual Averages – 2023

| Category | State | Highest | Location County | Lowest | Location County |
|----------------------------------|----------|----------|---------------------------|----------|--|
| Total Yearly Precipitation | 23.98" | 37.29" | Overbrook Osage | 15.71" | WaKeeney _{Trego} |
| Daily Average Temperature | 55.2° | 59.5° | Sedan Chautauqua | 49.7° | Cheyenne Cheyenne |
| Daily Maximum Temperature | 69.2° | 73.6° | Ashland 8S Clark | 64.6° | Ludell 3N Rawlins |
| Daily Minimum Temperature | 42.4° | 48.3° | Uniontown 3NW Bourbon | 36.3° | Cheyenne Cheyenne |
| Relative Humidity | 63.0% | 71.9% | Hiawatha Brown | 56.8% | Richfield Morton |
| Dew Point | 40.5° | 48.1° | Cherokee Cherokee | 35.2° | Tribune 6NE Greeley |
| 4" Soil Temperature | 57.9° | 61.6° | Haysville 3SE Sedgwick | 53.6° | Cheyenne Cheyenne |
| 2-meter Wind Speed | 6.4 mph | 8.7 mph | Howard 14NW | 2.8 mph | Olathe Johnson |
| Daily Maximum 2-meter Wind Speed | 23.2 mph | 37.1 mph | Sublette 1E Haskell | 14.9 mph | Olathe Johnson |
| Diurnal Range Temperature | 26.8° | 33.2° | Hamilton Hamilton | 20.2° | Oskaloosa 1SE Jefferson |
| Hours Temperature ≤ 32° | 1402 | 2323 | Cheyenne Cheyenne | 635 | Cherokee Cherokee |
| Hours Temperature ≤ 20° | 291 | 597 | Hamilton Hamilton | 52 | Cherokee Cherokee |
| Hours Temperature ≥ 90° | 276 | 411 | Hodgeman Hodgeman | 104 | Hiawatha Hiawatha |
| Hours Temperature ≥ 100° | 34 | 90 | Gypsum Saline | 0 | Hiawatha Brown |
| Hours Heat Index ≥ 100° | 63 | 195 | Cherokee Cherokee | 0 | Cheyenne, Richfield, Sherman, Tribune, Tribune 6NE |
| Hours Rel. Humidity ≤ 25% | 527 | 1164 | Richfield Morton | 92 | Cherokee Cherokee |
| Hours Dew Point ≥ 70° | 214 | 705 | Cherokee Cherokee | 4 | Ludell 3N Rawlins |
| Hours Wind Chill ≤ 0° | 78 | 195 | Cheyenne Cheyenne | 0 | Cherokee, Parsons Cherokee, Labette |
| Hours Wind Speed ≥ 10 mph | 1747 | 898 | Washington Washington | 2505 | Garden City Finney |

Top 12 Warmest Days Across the Kansas Mesonet in 2023 Maximum Minimum Average Temperature (°F) Rank Temperature (°F) Rank Temperature (°F) Avg Dep. Avg Avg Date Dep. Date Date Dep. 105.4 +16.2 1 73.3 Jul 26 1 87.1 Aug 19 +10.3 Aug 19 +6.0 102.6 +13.8 2 72.0 Aug 23 +7.3 Aug 21 +8.5 2 86.8 Jul 26 102.2 3 71.1 3 +10.4 Aug 25 +14.1 Aug 2 +4.1 86.4 Aug 23 +3.7 102.2 Aug 20 +13.1 4 70.9 Jul 28 4 85.9 Aug 25 +10.3 101.5 Aug 22 +12.9 5 70.9 Jul 27 +3.6 5 85.7 Aug 21 +9.4 100.7 +12.3 6 70.2 6 +9.5 Aug 23 Aug 3 +3.3 85.7 Aug 22 100.6 Aug 24 +12.3 7 69.8 Jul 12 +3.0 7 85.6 Jul 28 +6.2 100.4 Jul 25 +9.2 +8.7 69.8 Aug 22 Aug 24 8 +6.1 8 85.0 100.3 Jul 26 +8.7 9 69.7 Jul 13 +2.7 9 85.0 Jul 25 +5.5 100.2 Jul 28 +8.6 10 69.6 Jul 24 +2.3 10 84.5 Aug 20 +7.9 100.0 Sep 2 +13.8 11 69.6 Jul 25 +2.3 11 84.5 Jul 27 +5.1 99.9 Sep 4 +14.3 12 69.6 +2.6 12 84.3 +5.0 Aug 1 Aug 1

| | Top 12 Coldest Days Across the Kansas Mesonet in 2023 | | | | | | | | | | | |
|------|---|-------|------|------|-------------|-------|------|---------|-------------|-------|--|--|
| | Maximum | | | | Minimum | | | Average | | | | |
| Ten | nperature (° | F) | Rank | Ten | nperature (| °F) | Rank | Ten | nperature (| °F) | | |
| Avg | Date | Dep. | | Avg | Date | Dep. | | Avg | Date | Dep. | | |
| 14.5 | Jan 30 | -28.9 | 1 | 1.7 | Jan 31 | -17.6 | 1 | 9.9 | Jan 30 | -21.3 | | |
| 15.0 | Jan 29 | -28.2 | 2 | 4.9 | Feb 23 | -19.0 | 2 | 10.7 | Jan 29 | -20.4 | | |
| 24.4 | Feb 23 | -24.5 | 3 | 5.1 | Feb 1 | -14.2 | 3 | 13.4 | Jan 31 | -17.9 | | |
| 25.2 | Jan 31 | -18.3 | 4 | 5.4 | Jan 30 | -13.7 | 4 | 14.7 | Feb 23 | -21.8 | | |
| 27.6 | Nov 25 | -23.6 | 5 | 6.4 | Jan 29 | -12.7 | 5 | 19.2 | Feb 24 | -17.6 | | |
| 29.3 | Feb 16 | -17.4 | 6 | 7.4 | Feb 24 | -16.8 | 6 | 20.8 | Feb 16 | -13.5 | | |
| 31.0 | Feb 24 | -18.4 | 7 | 7.9 | Feb 17 | -14.3 | 7 | 20.9 | Feb 1 | -10.5 | | |
| 32.3 | Nov 24 | -19.4 | 8 | 9.4 | Mar 19 | -22.6 | 8 | 23.4 | Nov 25 | -15.7 | | |
| 33.1 | Jan 24 | -9.6 | 9 | 9.6 | Feb 3 | -10.1 | 9 | 23.5 | Jan 22 | -7.1 | | |
| 33.5 | Jan 22 | -9.0 | 10 | 9.7 | Jan 23 | -8.9 | 10 | 24.1 | Jan 23 | -6.5 | | |
| 34.0 | Jan 21 | -8.5 | 11 | 11.9 | Feb 2 | -7.5 | 11 | 25.1 | Jan 24 | -5.6 | | |
| 34.0 | Jan 25 | -8.8 | 12 | 12.4 | Feb 16 | -9.6 | 12 | 25.9 | Mar 18 | -19.2 | | |

Top 12 Most Above Normal Days Across the Kansas Mesonet in 2023

| | Maximum | | | | Minimum | | | | Average | |
|------|-------------|-------|------|------------------|---------|-------|------|------|-------------|-------|
| Ten | nperature (| °F) | Rank | Temperature (°F) | | | Rank | Ten | nperature (| °F) |
| Avg | Date | Dep. | | Avg | Date | Dep. | | Avg | Date | Dep. |
| 69.2 | Dec 7 | +22.9 | 1 | 57.5 | Oct 24 | +18.4 | 1 | 51.7 | Dec 7 | +16.9 |
| 88.5 | Oct 20 | +21.0 | 2 | 38.4 | Dec 21 | +18.2 | 2 | 69.4 | Apr 12 | +16.8 |
| 86.1 | Apr 12 | +20.1 | 3 | 56.4 | Oct 25 | +17.6 | 3 | 69.3 | Apr 13 | +16.5 |
| 73.0 | Mar 5 | +20.1 | 4 | 36.0 | Dec 23 | +16.0 | 4 | 69.3 | Oct 23 | +16.4 |
| 79.4 | Nov 7 | +19.9 | 5 | 34.0 | Jan 2 | +15.1 | 5 | 47.2 | Dec 22 | +15.8 |
| 85.8 | Apr 13 | +19.7 | 6 | 64.3 | Sep 30 | +14.6 | 6 | 47.0 | Dec 23 | +15.8 |
| 66.0 | Dec 6 | +19.3 | 7 | 63.8 | Oct 1 | +14.5 | 7 | 78.7 | Sep 30 | +15.7 |
| 85.6 | Oct 23 | +19.3 | 8 | 64.3 | Sep 29 | +14.1 | 8 | 78.4 | Sep 29 | +14.9 |
| 86.3 | Apr 18 | +19.0 | 9 | 43.1 | Nov 19 | +14.1 | 9 | 44.8 | Jan 15 | +14.5 |
| 68.3 | Feb 26 | +18.2 | 10 | 34.0 | Dec 22 | +13.9 | 10 | 46.0 | Dec 21 | +14.5 |
| 60.4 | Dec 22 | +17.7 | 11 | 35.3 | Feb 14 | +13.8 | 11 | 44.3 | Jan 16 | +14.0 |
| 59.4 | Jan 9 | +17.6 | 12 | 32.1 | Jan 15 | +13.6 | 12 | 76.5 | Oct 1 | +14.0 |

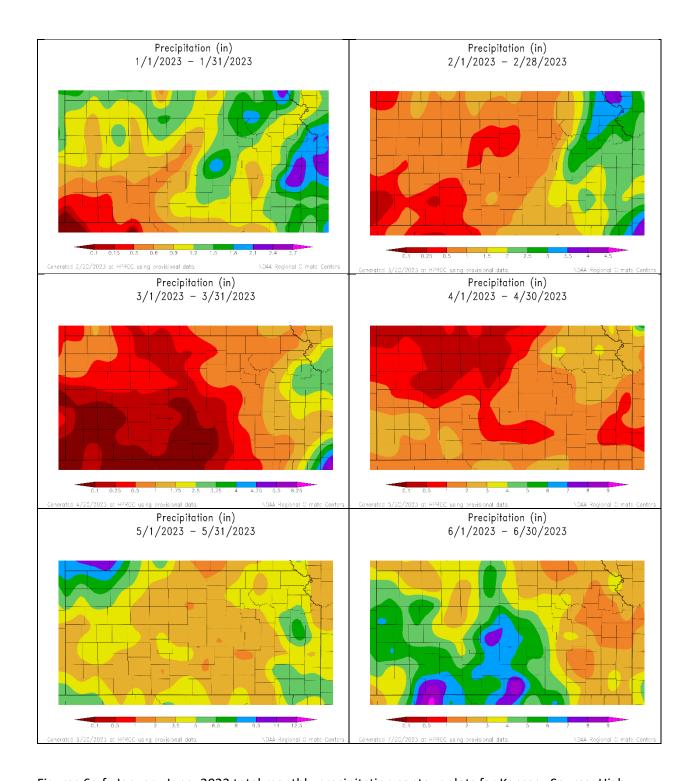
Top 12 Most Below Normal Days Across the Kansas Mesonet in 2023

| | Maximum | | | | Minimum | | | | Average | |
|------|-------------|-------|------|------|-------------|-------|------|------|-------------|-------|
| | nperature (| °F) | Rank | | nperature (| °F) | Rank | Ten | nperature (| °F) |
| Avg | Date | Dep. | | Avg | Date | Dep. | | Avg | Date | Dep. |
| 14.5 | Jan 30 | -28.9 | 1 | 9.4 | Mar 19 | -22.6 | 1 | 14.7 | Feb 23 | -21.8 |
| 15.0 | Jan 29 | -28.2 | 2 | 17.2 | Oct 30 | -19.5 | 2 | 9.9 | Jan 30 | -21.3 |
| 36.3 | Oct 28 | -27.7 | 3 | 4.9 | Feb 23 | -19.0 | 3 | 29.6 | Oct 29 | -20.7 |
| 35.9 | Oct 29 | -27.7 | 4 | 1.7 | Jan 31 | -17.6 | 4 | 10.7 | Jan 29 | -20.4 |
| 24.4 | Feb 23 | -24.5 | 5 | 14.3 | Mar 18 | -17.4 | 5 | 25.9 | Mar 18 | -19.2 |
| 27.6 | Nov 25 | -23.6 | 6 | 19.2 | Oct 31 | -17.1 | 6 | 31.7 | Oct 28 | -19.1 |
| 37.5 | Mar 18 | -20.9 | 7 | 7.4 | Feb 24 | -16.8 | 7 | 31.0 | Oct 31 | -18.4 |
| 42.9 | Oct 31 | -19.7 | 8 | 26.2 | Apr 23 | -16.5 | 8 | 13.4 | Jan 31 | -17.9 |
| 32.3 | Nov 24 | -19.4 | 9 | 20.6 | Nov 1 | -15.3 | 9 | 32.2 | Oct 30 | -17.8 |
| 31.0 | Feb 24 | -18.4 | 10 | 22.3 | Apr 6 | -15.3 | 10 | 19.2 | Feb 24 | -17.6 |
| 25.2 | Jan 31 | -18.3 | 11 | 31.6 | Oct 7 | -15.0 | 11 | 23.4 | Nov 25 | -15.7 |
| 29.3 | Feb 16 | -17.4 | 12 | 7.9 | Feb 17 | -14.3 | 12 | 31.4 | Mar 19 | -14.1 |

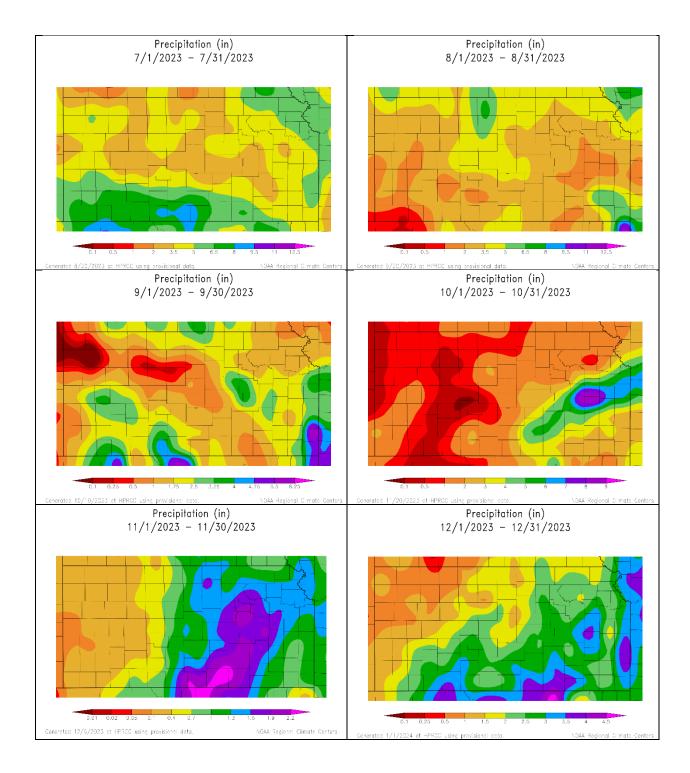
| | Top 10 Extre | emes in | 2023 | 3 - Kans | sas Mesonet | |
|---------------------|---------------------|---------|------|----------|--------------------|--------|
| | Highest Daily | | | | Lowest Daily | |
| Max | kimum Temperature | e (°F) | | Mir | nimum Temperature | (°F) |
| Value | Station | Date | Rank | Value | Station | Date |
| 113.6 | Ashland Bottoms | Aug 19 | 1 | -11.2 | Cheyenne | Jan 30 |
| 113.2 | Rock Springs | Aug 19 | 2 | -9.8 | Wallace | Jan 31 |
| 112.9 | Overbrook | Aug 19 | 3 | -9.3 | Colby | Jan 31 |
| 112.4 | Gypsum | Aug 19 | 4 | -8.9 | Sherman | Jan 31 |
| 112.0 | Rocky Ford | Aug 19 | 5 | -8.8 | Sherman | Jan 30 |
| 111.6 | Elmdale 1SE | Aug 19 | 6 | -8.5 | Colby | Jan 30 |
| 111.4 | Manhattan | Aug 19 | 7 | -7.6 | Sheridan | Jan 31 |
| 110.9 | Woodson | Aug 20 | 8 | -7.4 | Tribune 6NE | Jan 31 |
| 110.6 | Flickner Tech Farm | Aug 19 | 9 | -7.4 | Norton 4SW | Jan 31 |
| 109.9 | Butler | Aug 20 | 10 | -7.3 | Cheyenne | Jan 31 |
| | Lowest Daily | | | | Highest Daily | |
| Max | kimum Temperature | e (°F) | | Mir | nimum Temperature | (°F) |
| Value | Station | Station | Date | | | |
| 4.7 | Tribune 6NE | Jan 30 | 1 | 81.5 | Overbrook | Jul 26 |
| 4.7 | Tribune | Jan 30 | 2 | 80.8 | Gypsum | Jul 26 |
| 4.8 | Ludell 3N | Jan 29 | 3 | 80.7 | Ottawa 2SE | Jul 26 |
| 5.0 | Cheyenne | Jan 29 | 4 | 80.7 | Uniontown 3NW | Aug 22 |
| 5.0 | Wallace | Jan 30 | 5 | 80.6 | Manhattan | Aug 23 |
| 5.6 | Oberlin 7NE | Jan 29 | 6 | 80.5 | Miami | Jul 26 |
| 6.1 | Sheridan | Jan 29 | 7 | 80.3 | Olathe | Jul 26 |
| 6.3 | Norton 4SW | Jan 29 | 8 | 79.9 | Woodson | Jul 26 |
| 6.5 | Leoti | Jan 30 | 9 | 79.9 | Oskaloosa 1SE | Jul 26 |
| 6.7 | Sherman | Jan 30 | 10 | 79.6 | Manhattan | Jul 26 |
| | Most Daily | | | | Highest | |
| | Precipitation (in.) | T | | Z-r | neter Wind Gust (m | pn) |
| Value | Station | Date | Rank | Value | Station | Date |
| 4.86 | Overbrook | May 31 | 1 | 83.0 | Sublette 1E | Feb 26 |
| 4.02 | Cherokee | Aug 5 | 2 | 77.8 | Hodgeman | Feb 26 |
| 3.64 | Parsons | Aug 5 | 3 | 74.9 | La Crosse | Aug 25 |
| 3.49 | Ottawa 2SE | Oct 25 | 4 | 70.2 | Corning 2NW | Jun 29 |
| 3.28 | Norton 4SW | Sep 21 | 5 | 69.8 | Elmdale 1SE | Apr 19 |
| 3.26 | Howard 14NW | Jul 5 | 6 | 67.9 | Woodson | Jul 14 |
| 3.24 | Hoisington 4S | Aug 9 | 7 | 66.4 | Osborne | Oct 3 |
| 3.17 Hiawatha Jul 4 | | | 8 | 66.4 | Osborne | May 9 |
| 3.14 | Butler | Oct 25 | 9 | 66.3 | Wallace | Jul 20 |
| 3.09 | Scandia | Aug 25 | 10 | 65.7 | Lakin | Jul 20 |

| Additional Extremes - Kansas Mesonet | | | | | | | | | | |
|--------------------------------------|---|------|--|---|--|--|--|--|--|--|
| Days w | tretch of Consecutive vith Above Normal ge Temperatures | | Longest Stretch of Consecutive Days with Below Normal Average Temperatures | | | | | | | |
| Length | Dates | Rank | Length | Dates | | | | | | |
| 20 days | Jan 1 – Jan 20 | 1 | 14 days | Apr 20 – May 3 | | | | | | |
| 18 days | Sep 18 – Oct 5 | 2 | 10 days | Jun 10 – Jun 19 | | | | | | |
| 14 days | Dec 11 – Dec 24 | 3 | 9 days | Mar 7 – Mar 14 | | | | | | |
| | | 4 | 8 days | Sep 10 -Sep 17 | | | | | | |
| 11 days | May 4 – May 14 Jul 24 – Aug 3 | 5 | 7 days | Jan 28 – Feb 3 Mar 23 – Mar 29 Jul 5 – Jul 11 Aug 4 – Aug 10 | | | | | | |
| Highe | est Average Daily | | High | Highest Average Daily | | | | | | |
| 2-meter Wind Speed (mph) | | | Precipitation (in) | | | | | | | |
| Value | Date | Rank | Value Date | | | | | | | |
| 16.2 | Mar 16 | 1 | 0.51 | Jun 17 | | | | | | |
| 14.7 | Oct 13 | 2 | 0.48 | May 9 | | | | | | |
| 14.3 | Mar 31 | 3 | 0.47 | Jul 20 | | | | | | |
| 13.8 | Mar 30 | 4 | 0.46 | Jul 5 | | | | | | |
| 13.6 | Apr 12 | 5 | 0.40 | Dec 24 | | | | | | |

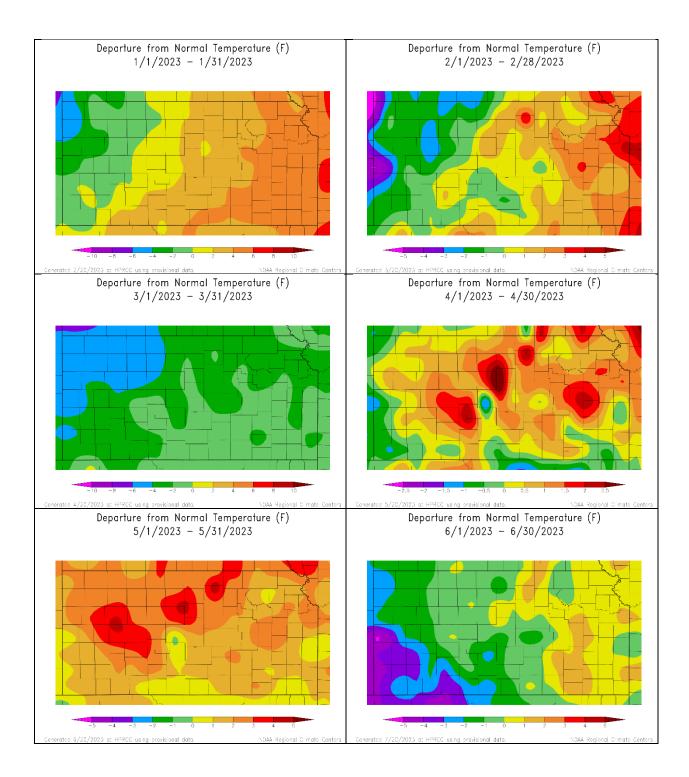
| Counts of Above/Below Normal Days Each Month Across the Kansas Mesonet | | | | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Daily Average Temperature | | | | | | | | | | | | | |
| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Year |
| Above | 21 | 17 | 11 | 13 | 18 | 9 | 12 | 14 | 21 | 19 | 20 | 24 | 199 |
| Below | 10 | 11 | 20 | 17 | 13 | 21 | 19 | 17 | 9 | 12 | 10 | 7 | 166 |
| Daily Average High Temperature | | | | | | | | | | | | | |
| Above | 19 | 20 | 13 | 16 | 18 | 11 | 14 | 18 | 23 | 19 | 21 | 22 | 214 |
| Below | 12 | 8 | 18 | 14 | 13 | 19 | 17 | 13 | 7 | 12 | 9 | 9 | 151 |
| Daily Average Low Temperature | | | | | | | | | | | | | |
| Above | 22 | 16 | 17 | 10 | 20 | 9 | 12 | 13 | 18 | 16 | 16 | 26 | 195 |
| Below | 9 | 12 | 14 | 20 | 11 | 21 | 19 | 18 | 12 | 15 | 14 | 5 | 170 |



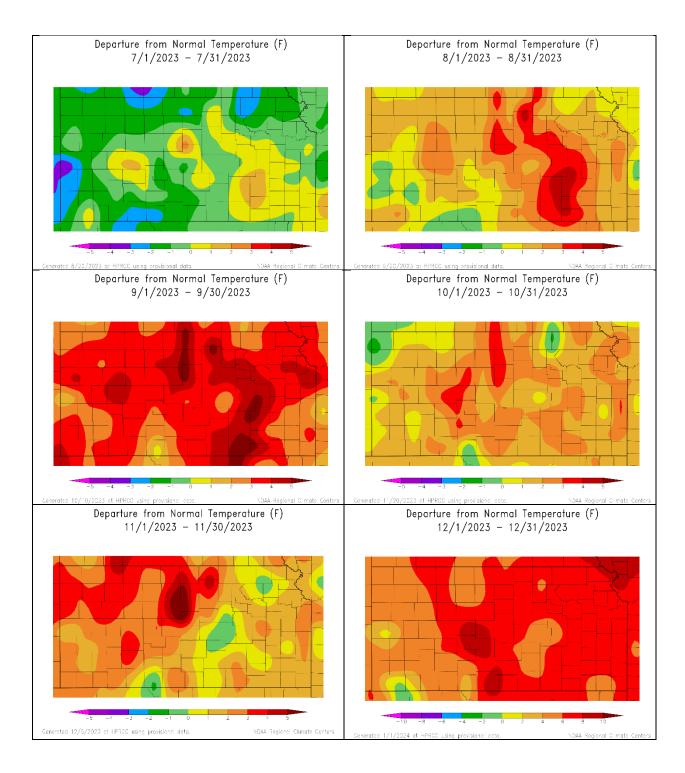
Figures 6a-f. January-June, 2023 total monthly precipitation contour plots for Kansas. Source: High Plains Regional Climate Center.



Figures 7a-f. July-December, 2023 total monthly precipitation contour plots for Kansas. Source: High Plains Regional Climate Center.

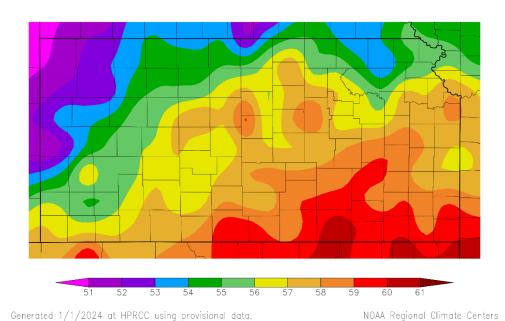


Figures 8a-f. January-June, 2023 departure from normal monthly temperature contour plots for Kansas. Source: High Plains Regional Climate Center.

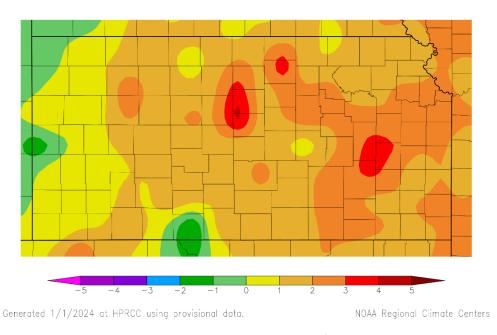


Figures 9a-f. July-December, 2023 departure from normal monthly temperature contour plots for Kansas. Source: High Plains Regional Climate Center.

Temperature (F) 1/1/2023 - 12/31/2023

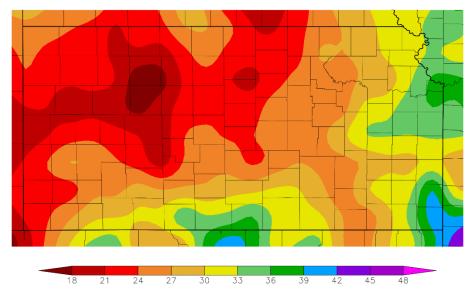


Departure from Normal Temperature (F) 1/1/2023 - 12/31/2023



Figures 10a-b. Average annual temperature and annual departure from normal. Source: HPRCC.

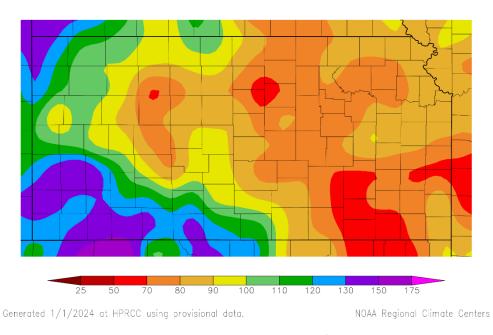
Precipitation (in) 1/1/2023 - 12/31/2023



Generated 1/1/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

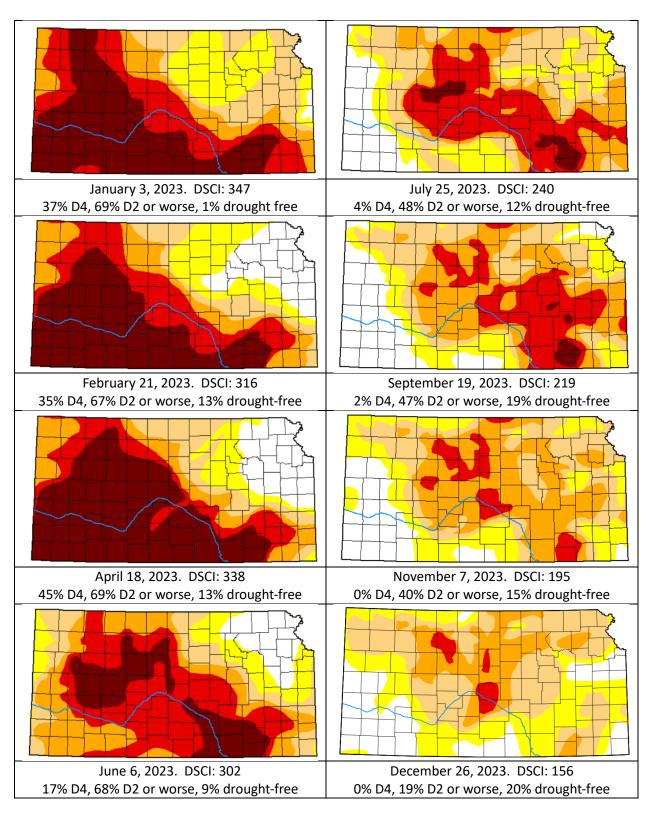
Percent of Normal Precipitation (%) 1/1/2023 - 12/31/2023



Figures 11a-b. Average annual precipitation and annual departure from normal. Source: HPRCC.

2023 Kansas US Drought Monitor Data Percentage of State Within Drought Category Ranges

| Week | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 | DSCI | Week | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 | DSCI |
|--------|------|-------|-------|-------|-------|------|------|--------|------|-------|-------|-------|-------|-----|------|
| 3-Jan | 0.5 | 99.5 | 84.5 | 68.9 | 57.0 | 36.9 | 347 | 4-Jul | 1.8 | 98.2 | 87.0 | 62.6 | 39.2 | 7.6 | 295 |
| 10-Jan | 0.5 | 99.5 | 84.5 | 68.9 | 57.1 | 38.0 | 348 | 11-Jul | 3.6 | 96.4 | 82.0 | 55.3 | 33.3 | 5.6 | 273 |
| 17-Jan | 0.5 | 99.5 | 84.5 | 68.9 | 57.1 | 38.0 | 348 | 18-Jul | 3.6 | 96.4 | 80.4 | 54.6 | 31.8 | 4.9 | 268 |
| 24-Jan | 3.6 | 96.4 | 82.8 | 68.7 | 56.4 | 37.4 | 342 | 25-Jul | 12.1 | 87.9 | 71.9 | 47.7 | 29.2 | 3.7 | 240 |
| 31-Jan | 4.0 | 96.0 | 82.8 | 68.7 | 56.4 | 37.4 | 341 | 1-Aug | 12.1 | 87.9 | 71.5 | 47.7 | 29.2 | 3.7 | 240 |
| 7-Feb | 4.0 | 96.0 | 82.8 | 68.7 | 56.4 | 37.4 | 341 | 8-Aug | 13.4 | 86.6 | 69.8 | 45.1 | 30.0 | 3.2 | 235 |
| 14-Feb | 7.2 | 92.8 | 74.7 | 66.7 | 54.5 | 37.4 | 326 | 15-Aug | 16.3 | 83.7 | 65.8 | 42.1 | 18.3 | 1.3 | 211 |
| 21-Feb | 13.2 | 86.8 | 74.5 | 66.7 | 53.2 | 35.4 | 316 | 22-Aug | 16.3 | 83.7 | 65.8 | 42.1 | 18.3 | 1.3 | 211 |
| 28-Feb | 15.0 | 85.1 | 72.8 | 65.5 | 52.4 | 34.9 | 311 | 29-Aug | 18.0 | 82.0 | 66.8 | 43.5 | 19.1 | 1.3 | 213 |
| 7-Mar | 15.0 | 85.0 | 74.9 | 65.2 | 52.4 | 34.9 | 312 | 5-Sep | 16.2 | 83.8 | 69.8 | 48.3 | 20.4 | 1.7 | 224 |
| 14-Mar | 15.9 | 84.1 | 74.6 | 65.1 | 52.4 | 36.3 | 313 | 12-Sep | 17.8 | 82.2 | 68.6 | 47.0 | 20.7 | 1.7 | 220 |
| 21-Mar | 15.7 | 84.3 | 75.0 | 65.6 | 52.4 | 36.3 | 314 | 19-Sep | 19.1 | 80.9 | 66.8 | 47.0 | 22.1 | 1.7 | 219 |
| 28-Mar | 15.7 | 84.3 | 75.0 | 65.6 | 52.4 | 36.3 | 314 | 26-Sep | 18.6 | 81.4 | 64.3 | 45.6 | 20.6 | 1.7 | 214 |
| 4-Apr | 15.7 | 84.3 | 75.0 | 65.6 | 52.4 | 37.6 | 315 | 3-Oct | 17.4 | 82.6 | 66.7 | 48.4 | 20.6 | 1.7 | 220 |
| 11-Apr | 12.0 | 88.0 | 80.7 | 69.1 | 56.3 | 43.5 | 338 | 10-Oct | 17.1 | 82.9 | 66.9 | 48.0 | 20.6 | 1.7 | 220 |
| 18-Apr | 13.0 | 87.0 | 79.8 | 69.1 | 56.8 | 45.0 | 338 | 17-Oct | 16.5 | 83.5 | 68.0 | 50.2 | 20.5 | 1.7 | 224 |
| 25-Apr | 11.5 | 88.5 | 81.9 | 71.2 | 60.4 | 46.3 | 348 | 24-Oct | 15.9 | 84.1 | 68.1 | 50.6 | 20.5 | 1.7 | 225 |
| 2-May | 9.4 | 90.7 | 83.5 | 75.7 | 63.3 | 39.8 | 353 | 31-Oct | 15.6 | 84.4 | 63.3 | 39.3 | 7.6 | 0.0 | 195 |
| 9-May | 8.0 | 92.0 | 84.5 | 76.5 | 64.4 | 41.1 | 359 | 7-Nov | 15.4 | 84.6 | 63.4 | 39.6 | 7.6 | 0.0 | 195 |
| 16-May | 12.8 | 87.2 | 81.0 | 70.8 | 59.7 | 35.5 | 334 | 14-Nov | 11.5 | 88.5 | 68.5 | 42.5 | 7.6 | 0.0 | 207 |
| 23-May | 10.4 | 89.6 | 80.9 | 70.7 | 59.8 | 35.5 | 336 | 21-Nov | 9.9 | 90.1 | 68.5 | 42.6 | 7.6 | 0.0 | 209 |
| 30-May | 3.7 | 96.3 | 85.6 | 72.1 | 56.8 | 32.0 | 343 | 28-Nov | 10.2 | 89.8 | 68.4 | 42.5 | 7.6 | 0.0 | 208 |
| 6-Jun | 9.0 | 91.0 | 80.5 | 67.6 | 46.3 | 16.6 | 302 | 5-Dec | 10.6 | 89.4 | 64.1 | 30.5 | 7.0 | 0.0 | 191 |
| 13-Jun | 9.2 | 90.8 | 79.8 | 61.4 | 43.7 | 13.8 | 290 | 12-Dec | 9.2 | 90.9 | 65.9 | 30.5 | 7.0 | 0.0 | 194 |
| 20-Jun | 3.9 | 96.1 | 79.5 | 57.3 | 38.0 | 7.8 | 279 | 19-Dec | 14.2 | 85.8 | 61.4 | 22.8 | 4.2 | 0.0 | 174 |
| 27-Jun | 2.3 | 97.7 | 84.9 | 60.9 | 37.5 | 7.6 | 289 | 26-Dec | 20.3 | 79.8 | 53.4 | 19.4 | 2.9 | 0.0 | 156 |



Figures 12a-h. US Drought Monitor maps detailing changes to the drought status across Kansas during 2023. DSCI is the Drought Severity Coverage Index, a composite index that ranges from 0 to 500, where higher numbers indicate worse drought conditions. Source: droughtmonitor.unl.edu.