

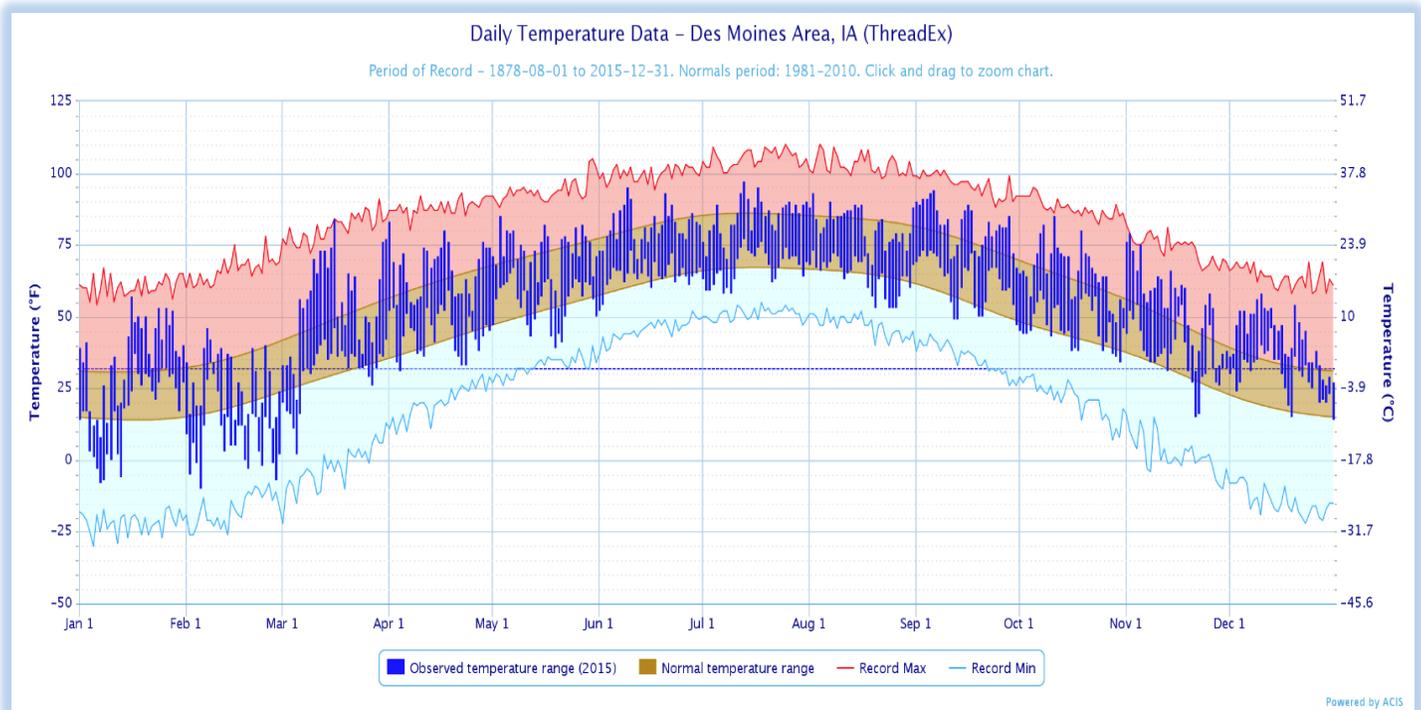
2015 Des Moines Monthly Precipitation, Temperature and Climate Facts

2015 Des Moines Temperature

*Ranking based on period of record from August 1878 – December 2015

Month	Average Max	Average Min	Mean	Normal	Departure	Ranking*	Above/Below
January	35.8	17.0	26.4	22.6	+3.8	27 th Warmest	Above
February	27.1	8.6	17.9	27.4	-9.5	14 th Coolest	Below
March	55.1	30.9	43.0	39.3	+3.7	13 th Warmest	Above
April	66.2	44.0	55.1	51.7	+3.4	18 th Warmest	Above
May	72.6	55.0	63.8	62.3	+1.5	41 st Warmest	Above
June	81.9	64.3	73.1	71.8	+1.3	33 rd Warmest	Above
July	84.9	67.4	76.1	76.3	-0.2	70 th Coolest	Below
August	82.1	64.2	73.1	74.3	-1.2	56 th Coolest	Below
September	81.7	62.1	71.9	65.6	+6.3	3 rd Warmest	Above
October	66.0	46.7	56.4	53.1	+3.3	33 rd Warmest	Above
November	54.8	36.6	45.7	39.2	+6.5	6 th Warmest	Above
December	42.9	29.5	36.2	26.0	+10.2	2 nd Warmest	Above
Annual	62.6	43.9	53.2	50.9	+2.3	5th Warmest	Above

Below is a graph of the daily temperature ranges for 2015. Most of the ranges are on the warm side of the normal curve although a few exceptions exist, mainly in January and February.

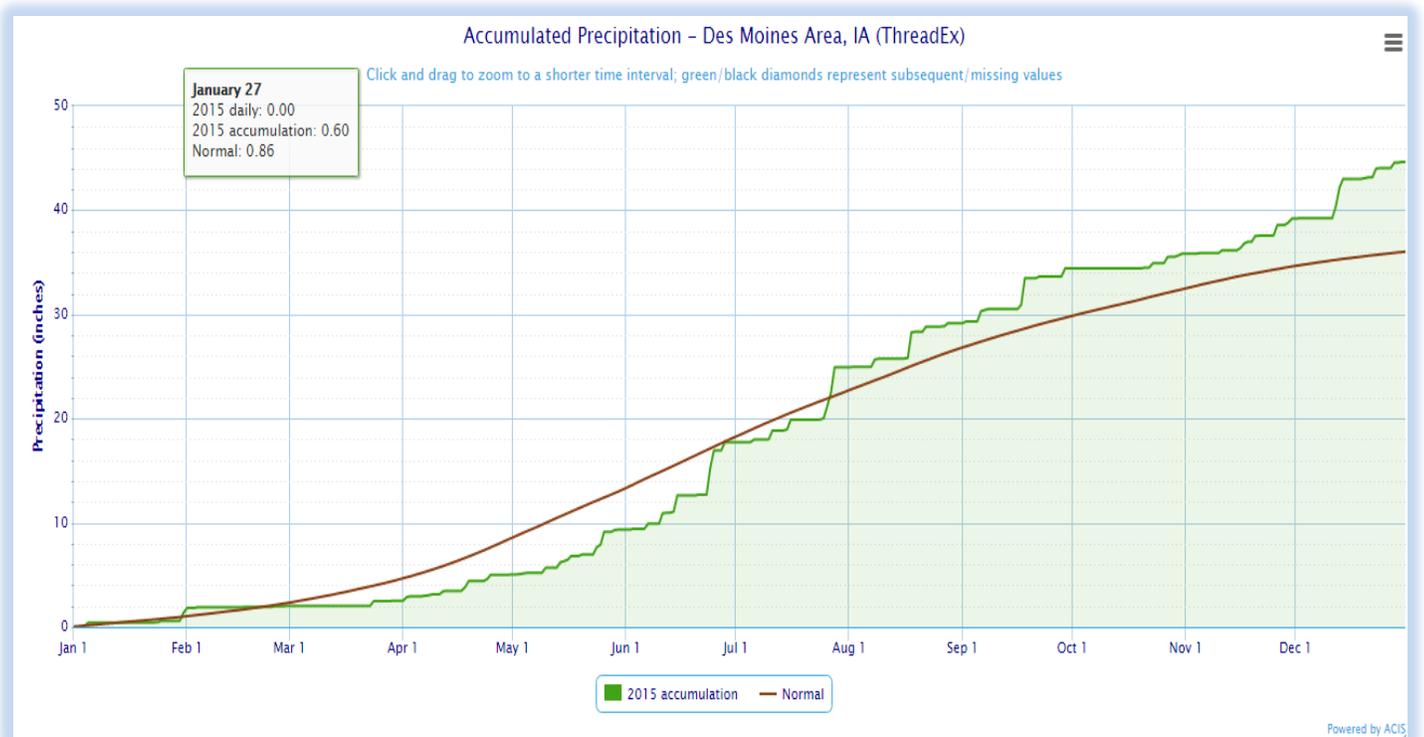


2015 Des Moines Precipitation

*Rankings based on period of record from August 1878 – December 2015

Month	Precipitation	Normal	Departure	Ranking*	Above/Below	Snowfall	Normal	Departure	Above/Below
January	1.35	1.00	+0.35	41 st Wettest	Above	11.7	8.5	+3.2	Above
February	0.67	1.28	-0.61	43 rd Driest	Below	9.7	7.9	+1.8	Above
March	0.49	2.30	-1.81	10 th Driest	Below	T	5.2	-5.2	Below
April	2.51	3.86	-1.35	56 th Driest	Below	0.0	1.8	-1.8	Below
May	4.33	4.74	-0.41	79 th Driest	Below	0.0	0.0	-	-
June	8.40	4.94	+3.46	10 th Wettest	Above	0.0	0.0	-	-
July	7.17	4.47	+2.70	11 th Wettest	Above	0.0	0.0	-	-
August	4.25	4.13	+0.12	49 th Wettest	Above	0.0	0.0	-	-
September	5.25	3.05	+2.20	25 th Wettest	Above	0.0	0.0	-	-
October	1.41	2.64	-1.23	45 th Driest	Below	0.0	0.4	-0.4	Below
November	3.36	2.19	+1.17	15 th Wettest	Above	6.9	2.5	+4.4	Above
December	5.44	1.42	+4.02	1 st Wettest	Above	7.8	9.0	-1.2	Below
Annual	44.63	36.02	+8.61	8th Wettest	Above	36.1	35.3	+0.8	Above

The accumulated precipitation was below normal for about the first half of the year, but heavier rainfall during the peak of the growing season pushed values above normal by late July. Frequent rains in the fall and early winter kept precipitation well above normal until the end of the year.



2015 Climate Facts for Des Moines

- With an average temperature of 53.2 degrees, 2015 is tied for the 5th-warmest year on record at Des Moines, only behind 2006, 1921, 1931, and 2012.
- There were 229 days that had above normal temperatures, 120 days of below normal temperatures, and 16 days recording normal temperatures.
- The only periods of pronounced colder than normal temperatures during the year were in the first half of January, most of February, and the first several days of March. In fact, from March 6th through the end of the year 2015 is the 2nd-warmest year on record, only behind 2012.
- Warmer than normal temperatures were particularly prevalent in the last four months of the year. From September through December there were 45 days that were 10 degrees or more above normal compared to just one day of 10 degrees or more below normal.
- The late year warmth was mostly due to a lack of cold overnight lows. In fact, for the last six months of 2015 there were only five days on which the temperature fell below 20 degrees. This is the fewest since 1931, and a far cry from the 30 days in 2013 and 21 days in 2014 on which the temperature fell below 20 degrees.
- With 44.63 inches of precipitation, 2015 is the 8th-wettest year on record at Des Moines. This is in spite of the early part of the year being quite dry, as the precipitation from January through April was more than three inches below normal. From May through December 39.61” of precipitation was recorded, which is the 5th-highest total on record over those months.
- The most remarkable wet period of the year was actually in December, when a whopping 5.44” of precipitation fell. This crushes the old December record of 3.72” (set in 1931) and is in fact the wettest winter month on record at Des Moines and wetter than all but one March (1990 with 5.82”).
- In a span of three days from December 12-14, an incredible 3.78” of precipitation was recorded. Only two wetter three-day stretches have ever been recorded between the months of October and March – one in October 1884 (3.82”) and the other in November 2003 (4.33”). Note that the precipitation from December 12-14 alone made 2015 the wettest December on record.