

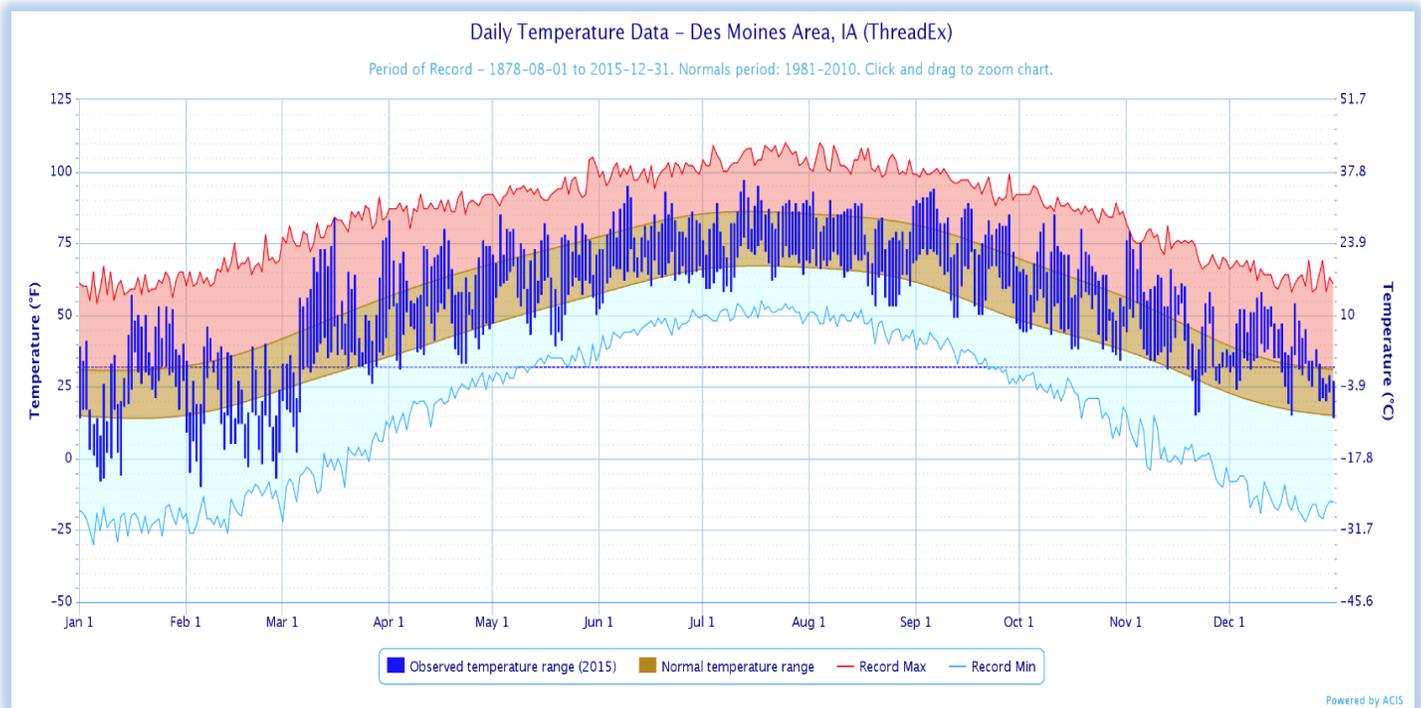
# 2015 Waterloo Monthly Precipitation, Temperature and Climate Facts

## 2015 Waterloo Temperature

\*Rankings based on period of record from 1895-2015

Month	Average Max	Average Min	Mean	Normal	Departure	Ranking*	Above/Below
January	29.7	11.5	20.6	18.5	+2.1	36 <sup>th</sup> Warmest	Above
February	20.8	1.0	10.9	23.4	-12.5	6 <sup>th</sup> Coolest	Below
March	48.0	22.9	35.5	35.8	-0.3	67 <sup>th</sup> Coolest	Below
April	62.6	36.7	49.6	48.9	+0.7	37 <sup>th</sup> Warmest	Above
May	70.4	51.3	60.8	60.5	+0.3	42 <sup>nd</sup> Warmest	Above
June	79.7	59.0	69.4	70.0	-0.6	59 <sup>th</sup> Coolest	Below
July	81.8	61.9	71.9	73.6	-1.7	33 <sup>rd</sup> Coolest	Below
August	79.7	58.2	68.8	71.2	-2.4	24 <sup>th</sup> Coolest	Below
September	79.8	56.8	68.3	63.0	+5.3	6 <sup>th</sup> Warmest	Above
October	63.7	40.2	51.9	50.3	+1.6	45 <sup>th</sup> Warmest	Above
November	50.8	30.7	40.8	36.3	+4.5	14 <sup>th</sup> Warmest	Above
December	39.9	27.8	33.9	22.2	+11.7	1 <sup>st</sup> Warmest	Above
<b>Annual</b>	<b>58.9</b>	<b>38.2</b>	<b>48.5</b>	<b>47.9</b>	<b>+0.6</b>	<b>25<sup>th</sup> Warmest</b>	<b>Above</b>

Below is a graph of the daily temperature ranges for 2015. Most of the ranges are roughly around normal, with notable exceptions near the beginning (cold) and end (warm) of the year.

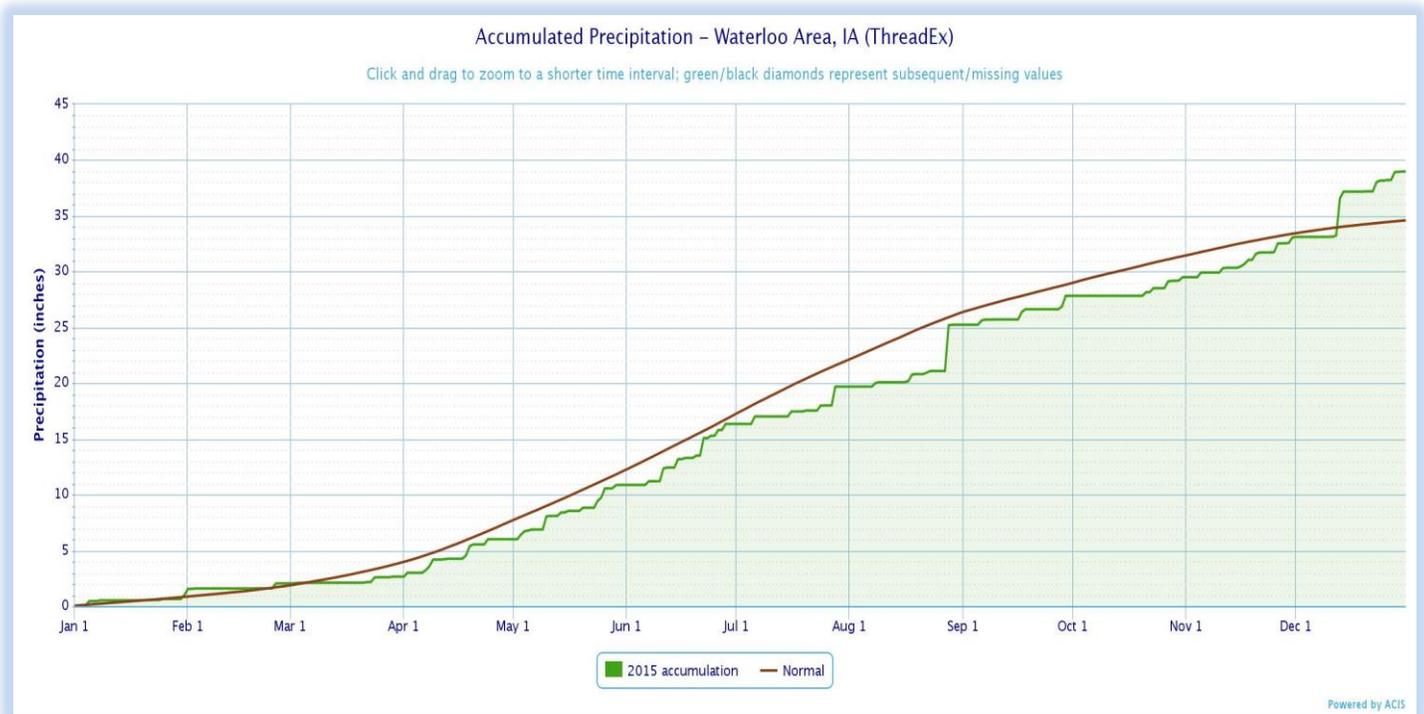


## 2015 Waterloo Precipitation

\*Rankings based on period of record from 1895-2015

Month	Precipitation	Normal	Departure	Ranking*	Above/Below	Snowfall	Normal	Departure	Above/Below
January	1.00	0.83	+0.17	49 <sup>th</sup> Wettest	Above	10.7	8.2	2.5	Above
February	1.03	0.99	+0.04	54 <sup>th</sup> Wettest	Above	11.9	7.4	4.5	Above
March	0.60	2.06	-1.46	9 <sup>th</sup> Driest	Below	0.7	4.6	-3.9	Below
April	3.36	3.71	-0.35	74 <sup>th</sup> Driest	Below	Trace	1.8	-1.8	Below
May	4.87	4.53	0.34	43 <sup>rd</sup> Wettest	Above	0.0	0.0	-	-
June	5.47	4.98	0.49	33 <sup>rd</sup> Wettest	Above	0.0	0.0	-	-
July	3.35	4.91	-1.56	51 <sup>st</sup> Driest	Below	0.0	0.0	-	-
August	5.55	4.27	1.28	19 <sup>th</sup> Wettest	Above	0.0	0.0	-	-
September	2.59	2.63	-0.04	54 <sup>th</sup> Driest	Below	0.0	0.0	-	-
October	1.67	2.48	-0.81	43 <sup>rd</sup> Driest	Below	0.0	0.3	-0.3	Below
November	3.56	2.01	1.55	12 <sup>th</sup> Wettest	Above	12.7	3.1	+9.6	Above
December	5.92	1.20	4.72	1 <sup>st</sup> Wettest	Above	14.0	9.9	+4.1	Above
<b>Annual</b>	<b>38.97</b>	<b>34.60</b>	<b>+4.37</b>	<b>20<sup>th</sup> Wettest</b>	<b>Above</b>	<b>50.0</b>	<b>35.3</b>	<b>+14.7</b>	<b>Above</b>

The accumulated precipitation was slightly below normal for much of 2015, but very heavy rainfall in late August and again in December eventually pushed it above normal for the year.



## 2015 Climate Facts for Waterloo

- With an average temperature of 48.5 degrees, 2015 is tied for the 25<sup>th</sup>-warmest year on record at Waterloo.
- 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 week of March. In fact, from March 7<sup>th</sup> through the end of the year 2015 is the 10<sup>th</sup>-warmest year on record.
- Colder than normal temperatures were particularly extreme in late February and early March, when four days registered a staggering 30 degrees or more below normal. The coldest day of the year was February 27 with a high of only 7 degrees and a low of -24 degrees, resulting in a daily average that was a whopping 36 degrees below normal. Only in one other year, 1962, has there ever been a day that cold so late in the winter at Waterloo.
- Warmer than normal temperatures were prevalent in the last four months of the year, especially in December. In fact, from September through December, 2015 was the 2<sup>nd</sup>-warmest year on record only behind 1931.
- 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 nine days on which the temperature fell below 20 degrees. This is the fewest since 1931, and a far cry from the 38 days in 2013 and 30 days in 2014 on which the temperature fell below 20 degrees.
- With 38.97" of precipitation, 2015 is the 20<sup>th</sup>-wettest year on record at Waterloo. However, the year was actually drier than normal into early December before a remarkably wet end to the year caused the total to surge upward. In the last 20 days of the year an incredible 5.85" of precipitation was recorded. The monthly total of 5.92" not only shatters the previous December record (3.77" set in 1982), but qualifies as the wettest month on record between October and March.
- The 3.32" of rain that fell on December 13<sup>th</sup> is the wettest day on record between the months of October and April, and by itself would rank as the 2<sup>nd</sup>-wettest December on record, only behind the aforementioned 1982.