



Waterloo Climate



1895-Present: December

Compiled by: Craig Cogil

Temperature

Highest Daily Maximum:	67	December 4, 1998; December 5, 2001
Lowest Daily Maximum:	-15	December 24, 1983
Highest Daily Minimum:	55	December 4, 2001
Lowest Daily Minimum:	-29	December 10, 1919; December 25, 2000
Highest Daily Average:	59	December 8, 1946
Lowest Daily Average:	-20	December 24, 1983

Top Ten Warmest

1.	33.5	1931
2.	33.3	1923
3.	32.6	1965
4.	32.4	1959
5.	31.5	1913
	31.5	1941
7.	31.4	1939
8.	30.7	2006
9.	30.6	1918
10.	30.3	2001

Top Ten Coldest

1.	6.6	1983
2.	8.5	2000
3.	8.8	1985
4.	10.3	1963
5.	12.0	1917
6.	12.2	1919
7.	12.7	1976
8.	13.1	1989
9.	14.9	2008
10.	15.0	1914

Number of Years with Max of 60 degrees or Higher:	13	(11% of the years)
Number of Years with Max of 50 degrees or Higher:	64	(56% of the years)
Number of Years with Max of 40 degrees or Higher:	104	(90% of the years)

All December's have had at least 1 day with a high above freezing. 2000 had the fewest with 2.

Number of Years with Min 0 degrees or below:	101	(89% of the years)
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Number of Years with Min of -10 degrees or below: 63 (55% of the years)

Number of Years with Min of -20 degrees or below: 21 (18% of the years)

Precipitation

Wettest Day: 1.68" December 5, 1982

Highest 3-day total: 1.89" 5 – 7, 1982

Highest 7-day total: 2.01" 2 – 8, 1982

Highest 14 - day total: 2.58" 18 – 31, 1968

Top Ten Wettest

1.	3.77	1982
2.	2.80	1968
3.	2.66	1904
4.	2.55	1909
5.	2.38	1932
6.	2.26	1973
7.	2.19	1931
8.	2.12	1965
9.	2.10	1906
10.	2.03	1925

Top Ten Driest

1.	0.16	1995
2.	0.21	1998
3.	0.22	1989
4.	0.27	1939
5.	0.28	1922
	0.28	1962
7.	0.32	2002
8.	0.33	1898
9.	0.37	1903
10.	0.40	1958 and 1975

Average Number of Days with at least 0.01" of precipitation: 6

Average Number of Days with at least 0.10" of precipitation: 3

Average Number of Days with at least 0.50" of precipitation: 1

Number of Years with at least one day where 0.50" of Precipitation fell: 55 (48% of the years)

Number of Years with at least one day where 1.00" of Precipitation fell: 10 (9% of the years)

Number of Years with at least one day where 2.00" of Precipitation fell: 0 (0% of the years)

Snowfall

Snowiest Day: 12.0" December 27, 1904

Highest 3-day total: 13.0" 26 – 28, 1904

Most Snow on Ground: 18" December 6-11, 1934 and December 29, 2000

Top Ten Snowiest

1. 34.0" 2000
2. 23.0" 1904
3. 20.5" 2008
4. 20.1" 1961
5. 19.5" 1969
6. 18.0" 2005
7. 16.9" 1977
8. 16.0" 1897
16.0" 1951
10. 15.7" 1914

Top Ten Least Snowiest

1. Trace 1912
Trace 1943
Trace 1975
4. 0.2" 1913
0.2" 1979
6. 0.3" 2002
7. 0.5" 1928
0.5" 2006
9. 0.7" 1939
10. 0.8" 2001

Monthly Normals

Average Maximum Temperature	30.7
Average Minimum Temperature	12.5
Average Daily Temperature	21.6
Average Precipitation	1.11"
Average Snowfall	7.5"

If you have any questions or comments, please send them to craig.cogil@noaa.gov.

Waterloo temperature, precipitation and snowfall records all begin in February 1895.