



# Waterloo Climate



## 1895-2021: December

Compiled by: Craig Cogil – Updated 1/29/2022

### Temperature

Highest Daily Maximum:	74	December 15, 2021
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.	33.9	2015
2.	33.5	1931
3.	33.3	1923
4.	32.6	1965
5.	32.4	1959
6.	31.5	1913
	31.5	1941
8.	31.4	1939
	31.4	2021
10.	30.7	2006

#### 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.	14.7	2013
10.	14.9	2008

Number of Years with Max of 60 degrees or Higher:	17	(13% of the years)
Number of Years with Max of 50 degrees or Higher:	74	(58% of the years)
Number of Years with Max of 40 degrees or Higher:	117	(92% 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:	110	(87% of the years)
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Number of Years with Min of -10 degrees or below: 68 (54% of the years)

Number of Years with Min of -20 degrees or below: 22 (17% of the years)

## Precipitation

Wettest Day: 3.32" December 13, 2015

Highest 3-day total: 4.05" 12 – 14, 2015

Highest 7-day total: 4.06" 10 – 16, 2015

Highest 14 - day total: 5.04" 11 – 24, 2015

### Top Ten Wettest

1. 5.92 2015
2. 3.77 1982
3. 3.19 2009
4. 2.80 1968
5. 2.66 1904
6. 2.60 2018
7. 2.55 1909
8. 2.38 1932
- 2.38 2011
10. 2.26 1973

### Top Ten Driest

1. 0.14 2002
2. 0.16 1995
3. 0.22 1989
4. 0.25 1998
5. 0.27 1939
6. 0.28 1922
- 0.28 1962
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: 62 (49% of the years)

Number of Years with at least one day where 1.00" of Precipitation fell: 12 (9% of the years)

Number of Years with at least one day where 2.00" of Precipitation fell: 1 (0.8% of the years)

# Snowfall

Snowiest Day:	12.0"	December 27, 1904
Highest 3-day total:	15.1"	7 – 9, 2009
Most Snow on Ground:	18"	December 6-11, 1934 and December 29, 2000

## Top Ten Snowiest

1.	33.9"	2000
2.	27.3"	2009
3.	24.7"	2010
4.	23.0"	1904
5.	20.5"	2008
6.	20.1"	1961
7.	19.5"	1969
8.	18.0"	2005
9.	17.9"	2013
10.	16.9"	1977

## 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
	0.5"	2014
10.	0.7"	1939

## Monthly Normals (1991-2020)

Average Maximum Temperature	33.7
Average Minimum Temperature	17.0
Average Daily Temperature	25.3
Average Precipitation	1.44"
Average Snowfall	9.9"

If you have any questions or comments, please send them to [craig.cogil@noaa.gov](mailto:craig.cogil@noaa.gov).

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