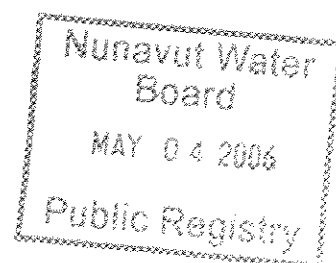


Section II

3. Technical Information

Climate Data



Environment
CanadaEnvironnement
Canada

[français] [Back]

Canadian Climate Normals 1971-2000

The minimum number of years used to calculate these Normals is indicated by a code for each element. A "+" beside an extreme date indicates that this date is the first occurrence of the extreme value. Values and dates in bold indicate all-time extremes for the location.

NOTE!! Data used in the calculation of these Normals may be subject to further quality assurance checks. This may result in minor changes to some values presented here.

IQALUIT A NUNAVUT

Latitude: 63° 45' N
Climate ID: 2402590

Longitude: 68° 33' W
WMO ID: 71909

Elevation: 33.50 m
TC ID: YFB

Temperature:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Daily Average (°C)	-26.6	-28	-23.7	-14.8	-4.4	3.6	7.7	6.8	2.2	-4.9	-12.8	-22.7
Standard Deviation	5	3.8	3.7	2.6	2.1	1.7	1	0.9	1.1	2.5	3.6	4.7
Daily Maximum (°C)	-22.5	-23.8	-18.8	-9.9	-0.9	6.8	11.6	10.3	4.7	-2	-8.9	-18.5
Daily Minimum (°C)	-30.6	-32.2	-28.6	-19.6	-7.8	0.3	3.7	3.3	-0.4	-7.7	-16.7	-26.9
Extreme Maximum (°C)	3.9	4.4	3.9	7.2	13.3	21.7	25.8	25.5	17.2	7.3	5.6	3.4
Date (yyyy/dd)	1958/21	1965/22	1955/19	1981/23	1954/30	1955/22+	2001/28	1991/08	1964/03+	1981/05	1952/19	2001/29
Extreme Minimum (°C)	-45	-45.6	-44.7	-34.2	-26.1	-10.2	-2.8	-2.5	-12.8	-27.1	-36.2	-43.4
Date (yyyy/dd)	1953/24+	1967/10+	1991/01	1983/10	1949/02	1978/02	1961/03	1996/31	1965/30	1978/30	1978/18+	1993/30
Precipitation:												
Rainfall (mm)	0.1	0	0	0.2	2.8	24.7	59.2	64.8	41.5	4.5	0.5	0
Snowfall (cm)	22.8	16.8	25.3	32.4	25.1	9.8	0.1	0.8	13.7	34.9	32.4	21.7
Precipitation (mm)	21.1	15	21.8	28.2	26.9	35	59.4	65.7	55	36.7	29.1	18.2
Average Snow Depth (cm)	22	23	25	29	18	2	0	0	0	6	16	20
Median Snow Depth (cm)	21	23	25	28	16	1	0	0	0	6	15	19
Snow Depth at Month-end (cm)	23	25	29	27	10	0	0	0	1	10	21	21
Extreme Daily Rainfall (mm)	2.5	2	0.5	5.1	11.7	28.4	52.8	48.2	40.4	23.3	11.9	0.5
Date (yyyy/dd)	1958/21	1963/03	1958/09	1950/20	1986/14	1961/30	1968/14	1995/08	1979/01	1985/24	1955/01	1963/16
Extreme Daily Snowfall (cm)	30.7	32.2	24.6	21.8	29.5	19.2	3.6	6.2	21.3	20.6	27.9	21.8
Date (yyyy/dd)	1958/18	1981/12	1973/08	1973/07	1965/09	1984/09	1970/08	1981/29	1946/26	1961/08	1960/24	1951/03
Extreme Daily Precipitation (mm)	30.7	27.4	23.9	23.9	27.4	30.2	52.8	48.2	40.4	27.2	27.9	21.8
Date (yyyy/dd)	1958/18	1981/12	1953/29	1973/07	1965/09	1980/06	1968/14	1995/08	1979/01	1985/25	1960/24	1951/03
Extreme Snow Depth (cm)	57	74	69	86	86	43	1	3	15	33	52	48
Date (yyyy/dd)	1977/15+	1956/27	1963/01+	1958/30	1958/01+	1987/02	1978/01+	1957/24+	1992/29	1961/29+	1989/27	1958/23
Days with Maximum Temperature:												
<= 0 °C	30.6	28.2	30.7	27.9	17	0.77	0	0	1.9	19.7	28.1	30.4
> 0 °C	0.41	0.07	0.3	2.2	14	29.2	31	31	28.1	11.3	1.9	0.58
> 10 °C	0	0	0	0	0.04	5.9	19.6	14.5	1.7	0	0	0
> 20 °C	0	0	0	0	0	0.08	0.88	0.23	0	0	0	0
> 30 °C	0	0	0	0	0	0	0	0	0	0	0	0
> 35 °C	0	0	0	0	0	0	0	0	0	0	0	0
Days with Minimum Temperature:												
> 0 °C	0	0	0	0.04	1.6	17	30.5	29.5	13.4	0.92	0.04	0
<= 2 °C	31	28.3	31	30	31	23.8	5.9	7.9	25.7	30.9	30	31
<= 0 °C	31	28.3	31	30	29.4	13	0.46	1.5	16.6	30.1	30	31
< -2 °C	31	28.3	31	29.5	26	4.5	0.04	0.08	6.8	26	29.5	31
< -10 °C	30.6	28.1	29.9	25.7	10.4	0.04	0	0	0.04	9	22.5	29.9
< -20 °C	22.8	24.3	26.8	14.5	0.42	0	0	0	0	1.3	11.2	24.0

< -20 °C	27.7	20.5	20.6	10.3	0.72	0	0	0	0	1.2	11.2	24.7
< -30 °C	18.6	18.8	15.7	1.4	0	0	0	0	0	0	1.2	12.2
Days with Rainfall:												
≥ 0.2 mm	0.04	0.04	0	0.31	1.5	7.4	13.2	14.7	9.9	1.9	0.26	0
≥ 5 mm	0	0	0	0	0.15	1.5	4	4.2	2.6	0.23	0.04	0
≥ 10 mm	0	0	0	0	0.08	0.58	1.5	1.6	1.2	0.08	0	0
≥ 25 mm	0	0	0	0	0	0	0.23	0.23	0.19	0	0	0
Days With Snowfall:												
≥ 0.2 cm	12	10.7	12.5	12.8	11.6	4.7	0.12	0.58	7.5	15.3	14.5	12.1
≥ 5 cm	1.2	0.52	1.4	2	1.3	0.58	0	0.04	0.62	2.4	1.9	1.1
≥ 10 cm	0.33	0.22	0.52	0.62	0.31	0.19	0	0	0.31	0.38	0.48	0.3
≥ 25 cm	0	0.04	0	0	0	0	0	0	0	0	0	0
Days with Precipitation:												
≥ 0.2 mm	11.9	10.6	12	12.5	12.2	10.5	13.2	15	15.3	15.4	14.3	11.8
≥ 5 mm	1	0.48	1	1.7	1.5	2.2	4	4.4	3.3	2.5	1.6	0.81
≥ 10 mm	0.26	0.19	0.33	0.46	0.42	0.85	1.5	1.6	1.5	0.46	0.33	0.22
≥ 25 mm	0	0.04	0	0	0	0.04	0.23	0.23	0.23	0.04	0	0
Days with Snow Depth:												
≥ 1 cm	31	28.3	31	30	28.8	10.5	0.08	0.04	2.7	24	30	31
≥ 5 cm	31	28.3	31	29.9	26.3	5.7	0	0	0.31	15.6	28.4	31
≥ 10	29.6	27.3	29.9	27.8	20.8	2.1	0	0	0.04	7.8	24	30.3
≥ 20	19.2	16.2	20.7	22.6	12	0.69	0	0	0	2.1	8.2	14.3
Wind:												
Speed (km/h)	15	14.8	14.1	15.8	17.3	15.3	12.4	13.9	15	17.6	17.6	15.4
Most Frequent Direction	NW	NW	NW	NW	NW	SE	SE	SE	SE	NW	NW	NW
Maximum Hourly Speed	108	100	129	116	85	72	80	90	97	104	97	111
Date (yyyy/dd)	1962/17	2001/23	1960/29	1962/05	1961/11	2000/23	1958/15	1961/23	1960/22	1986/12	1957/10	1982/04
Direction of Maximum Hourly Speed	NE	NE	NW	NW	NW	NE	SE	NW	SE	NW	NE	NW
Maximum Gust Speed	146	114	156	153	103	93	117	109	126	137	126	141
Date (yyyy/dd)	1963/21	1962/07	1960/29	1962/05	1960/25	1994/16	1958/14	1961/22	1960/22	1986/12	1957/10	1982/04
Direction of Maximum Gust	NE	NW	NW	NW	NW	W	E	NW	SE	NW	NE	NW
Days with Winds ≥ 52 km/hr	3.8	3.2	3.1	2.8	2.3	0.8	0.7	1.1	1.7	2.4	3.7	3.6
Days with Winds ≥ 63 km/hr	1.9	1.2	0.8	0.6	0.4	0.2	0	0.4	0.5	0.8	1.4	1.3
Days with Winds ≥ 74 km/hr	0	0	0	0	0	0	0	0	0	0	0	0
Above 24 °C	0	0	0	0	0	0	0	0	0	0	0	0
Above 18 °C	0	0	0	0	0	0	0	0	0	0	0	0
Above 15 °C	0	0	0	0	0	0	0.1	0.1	0	0	0	0
Above 10 °C	0	0	0	0	0	1.4	10.4	5.5	0	0	0	0
Above 5 °C	0	0	0	0	0	88.2	64.1	5.3	0	0	0	0
Above 0 °C	10.8	112	237.7	210.9	75.8	5.7	0.6	0				