

Greenwich, and 182 feet above mean sea level. For June, 1868. By Chas. Smallwood, M.D., LL.D., D.C.L.

DATE.	Barometer corrected at 32°			Temperature of the Air.			Direction of Wind.			Miles in 24 hours.
	7 a.m.	2 p.m.	9 p.m.	7 a.m.	2 p.m.	9 p.m.	7 a.m.	2 p.m.	9 p.m.	
1	26.662	29.600	29.701	52.3	63.6	50.0	W	SW	N	124.11
2	.746	.801	.811	46.4	60.4	51.1	N	W	W	81.10
3	.932	.927	.901	51.0	70.7	52.3	NE	NE	NE	66.21
4	.998	.904	.901	53.7	70.0	60.3	W	W	W	58.47
5	.884	.650	.572	56.1	66.1	51.2	NE	S	S	101.44
6	.487	.442	.621	60.0	69.1	53.0	S	SW	SW	91.11a
7	.964	.937	.916	41.1	73.2	52.6	NE	NE	NE	121.10b
8	.842	.702	.700	52.4	70.3	62.1	w by s	WSW	W	86.24c
9	.800	.749	.763	53.4	61.9	53.3	NE	W	WSW	104.29d
10	.869	.864	.851	53.4	76.2	61.0	W	W	W	81.10
11	.922	.884	.716	57.1	77.4	67.1	W	W	W	100.90
12	.610	.521	.531	60.0	82.1	69.2	W	NE	NE	61.11
13	.600	.949	.800	64.1	85.4	67.8	NE	NE	S	57.24
14	.847	.800	.749	63.4	90.4	73.0	WSW	SW	W	66.20
15	.751	.711	.650	68.0	85.1	72.4	SW	SW	SW	39.29e
16	.647	.652	.650	70.0	91.2	79.0	SW	s by W	s by W	81.10
17	.650	.637	.589	70.0	94.6	81.8	W	WSW	WSW	71.10
18	.592	.566	.500	73.1	95.0	81.2	WSW	S	WSW	80.19
19	.422	.351	.300	73.1	84.2	75.4	WSW	WSW	WSW	121.10f
20	.274	.315	.500	72.1	76.9	71.1	WSW	WSW	WSW	217.10
21	.599	.631	.625	60.0	79.0	66.6	NE	NE	NE	102.24
22	.681	.649	.661	60.0	68.7	57.9	NE	NE	NE	204.00g
23	.624	.699	.749	57.9	69.7	60.7	NE	NE	NE	104.12h
24	.850	.825	.817	58.1	72.0	58.0	NE	WSW	NE	81.24
25	.900	.821	.780	61.6	80.2	69.4	NE	WSW	WSW	108.18
26	.621	.556	.498	65.2	83.2	69.0	w by s	WSW	WSW	210.10
27	.411	.450	.551	66.7	88.5	67.9	WSW	WSW	WSW	227.24
28	.625	.610	.689	64.2	81.7	67.4	NE	WSW	WSW	179.10
29	.821	.817	.810	59.1	82.1	68.4	NE	SE	SE	88.61
30	.800	.743	.760	64.4	87.3	69.1	W	SW	SW	77.29j

RAIN IN INCHES.—a, 0.027; b, 0.007; c, 0.244; d, e, f, h, j, Inapp.; g, 0.211.

The mean temperature of the month was 66°44, which is 0.44 of a degree higher than the isothermal for June, which has been fixed at 66.

—From the Records of the Montreal Observatory for July, 1868. By Chas. Smallwood, M.D., LL.D., D.C.L.

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	7 a.m.	2 p.m.	9 p.m.	7 a.m.	2 p.m.	9 p.m.	7 a.m.	2 p.m.	9 p.m.	
1	29.800	29.759	29.824	67.2	80.3	72.2	SE	SW	W	81.11a
2	.825	.769	.751	72.6	96.1	78.3	SW	SW	SW	71.27
3	.800	.763	.759	76.1	96.0	81.0	SW	SW	SW	191.10
4	.750	.689	.637	76.2	96.7	80.4	SW	SW	SW	184.12
5	.700	.741	.851	81.7	94.6	73.0	SW	W	NE	101.29
6	.902	.824	.719	59.7	80.0	69.9	NE	NE	NE	99.44
7	.601	.584	.551	67.9	70.1	68.7	NE	SW	SW	66.20c
8	.584	.624	.650	66.2	83.1	70.0	SW	NE	NE	61.11
9	.678	.691	.696	66.2	84.6	70.3	NE	NE	NE	47.29
10	.749	.724	.698	70.2	86.4	77.3	NE	NE	NE	91.10
11	.677	.666	.650	74.7	95.7	81.6	SW	SW	SW	88.24
12	.900	.682	.662	75.1	95.6	82.3	SW	SW	SW	91.20
13	.750	.750	.751	76.2	98.2	86.9	SW	SW	SW	99.84
14	.750	.679	.617	79.7	97.9	86.2	SW	SW	W	121.10
15	.547	.541	.572	78.9	95.5	78.4	W	W	NE	99.21d
16	.701	.710	.700	74.2	94.0	78.4	NE	NE	NE	104.10
17	.700	.669	.651	70.2	94.9	76.2	NE	SW	SW	81.40
18	.648	.602	.602	70.1	87.5	77.2	SW	WSW	WSW	82.24
19	.670	.699	.747	71.7	95.8	76.9	WSW	NE	NE	101.10e
20	.798	.774	.749	70.1	91.2	78.4	NE	NE	NE	77.94
21	.700	.611	.542	72.6	91.9	77.4	WSW	WSW	WSW	97.74
22	.560	.574	.600	71.2	88.4	71.8	WSW	NE	NE	101.00
23	.551	.550	.531	63.9	84.1	68.2	NE	SE	SE	77.21
24	.464	.463	.461	68.2	70.1	62.6	SE	SE	SE	57.97f
25	.542	.534	.561	67.0	84.2	69.1	SE	NE	NE	97.24
26	.699	.684	.700	65.1	80.0	70.0	W	W	W	77.29
27	.771	.749	.746	61.7	80.2	66.4	W	SE	SW	84.21
28	.711	.706	.699	65.3	80.1	66.8	W	WSW	WSW	67.74
29	.780	.742	.710	63.4	79.7	69.6	WSW	NE	NE	77.10
30	.712	.704	.712	67.4	78.1	68.7	NE	NE	NE	81.11g
31	.750	.514	.446	67.4	76.3	61.0	NE	NE	W	74.71h

RAIN IN INCHES.—a, d, e, Inapp.; c, 0.681; f, 0.422; g, 0.333; h, 0.688.

The highest reading of the Barometer on the 6th, indicating 29.902 inches, the lowest on the 31st, indicating 29.446 inches.

Rain fell on seven days, amounting to 2.124 inches. The mean temperature of the month was 76°;—the greatest heat attained was 98 degrees on the 13th; but the hottest was the 14th. There were during the month two distinct hot terms.

—The highest readings in July.—collected from observations of Messrs. Latour, Skakel, McCord and others, showing the day of the month on which the highest reading occurred, and the degree of heat of every year since 1800 (with few exceptions,) at Montréal.

Year.	Day.	Temperature.	Year.	Day.	Temperature.
1800..	July 6th	96°0	1839..	....	95°0
1801..	" 31st	89°0	1840..	July 16th	87°0
1802..	" 27th	86°0	1841..	....	91°0
1803..	" 9th	97°0	1842..	" 14th	84°0
1805..	" 18th	91°0	1843..	" 2nd	87°0
1806..	" 15th	85°0	1844..	....	100°0
1807..	" 12th	96°0	1845..	" 16th	94°0
1808..	" 16th	96°0	1846..	" 5th	93°0
1814..	" 2nd	88°0	1847..	" 8th	101°0
1815..	" 15th	86°0	1848..	" 11th	93°0
1817..	" 19th	90°0	1849..	" 12th	99°0
1818..	" 11th	87°0	1850..	" 12th	92°0
1820..	" 4th	90°0	1851..	" 14th	90°0
1821..	....	87°0	1852..	" 7th	98°0
1822..	" 2nd	89°0	1853..	" 23rd	101°0
1823..	3rd & 11th	88°0	1854..	" 20th	102°0
1824..	....	81°0	1855..	" 28th	94°0
1825..	" 11th	92°0	1856..	" 29th	95°0
1826..	" 12th	91°0	1857..	" 14th	98°0
1827..	....	86°0	1858..	" 7th	96°0
1828..	....	98°0	1859..	" 12th	97°0
1829..	....	94°0	1860..	" 14th	89°0
1830..	....	93°0	1861..	" 6th	99°0
1831..	....	97°0	1862..	" 6th	94°0
1832..	....	89°0	1863..	" 7th	94°0
1833..	....	90°0	1864..	" 15th	98°0
1834..	....	96°0	1865..	" 24th	92°0
1835..	....	98°0	1866..	" 16th	93°0
1836..	" 9th	90°0	1867..	" 28th	90°0
1837..	" 10th	90°0	1868..	" 13th	98°0
1838..	" 7th	91°0			

—Meteorological observations taken at Quebec, during month of July, 1868. Latitude 46°48'30" North, Longitude 71°12'15" West; height above St. Lawrence, 230 feet; By Sergt. John Thurling, A. R. Corps, Quebec.

Barometer, highest reading on the 6th.....	30.084 inches.
lowest " 15th.....	29.580
range of pressure.....	.504
mean for month reduced to 32°.....	29.691
Thermometer, highest reading on the 4th.....	97.7 degrees
lowest " 27th.....	47.8
range in month.....	49.9
Mean of highest.....	85.2
" lowest.....	61.1
" daily range.....	24.1
" of month.....	73.1
maximum in sun's rays, black bulb, mean of.....	121.8
minimum on grass.....	61.4
Hygrometer, mean of dry bulb.....	77.0
" wet bulb.....	68.8
" dew point.....	63.0
Elastic force of vapour.....	.576 inches.
Vapour in a cubic foot of air.....	7.5 grains.
" required to saturate, do.....	2.5
Mean degree of humidity (Sat. 100).....	62
Average weight of a cubic foot of air.....	509.6 grains.
Cloud, mean amount of (0-10).....	4.75
Ozone, " ".....	1.15
Wind, general direction.....	Easterly.
mean daily horizontal movement.....	94.2 miles.
Rain, number of days it fell.....	9
amount collected on the ground.....	4.06 inches.
" 10 feet above ground.....	3.87