

—OBSERVATIONS from the Records of the Montreal Observatory, Lat. 45°31' North; Long. 4h. 54m. 17sec. West of Greenwich; Height above the level of the sea, 182 feet.—For the month of July, 1873.—By CHARLES SMALLWOOD, M.D., LL.D., D.C.L.

DAYS.	Barometer 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 pm	
	1	29.776	29.778	29.801	75.2	74.0	70.5	s	s	
2	30.000	30.080	30.020	69.2	80.0	70.5	w	w	w	86.87
3	29.964	29.951	29.858	70.6	79.8	76.3	s w	w	w	125.40
4	.911	.882	.850	70.0	74.0	75.2	w	w	w	112.08
5	.775	.704	.732	69.2	81.5	75.0	w	w	w	156.72
6	.826	30.000	30.020	62.0	76.6	69.0	n	n	n	82.89
7	30.023	29.987	29.946	62.5	81.1	70.5	n w	w	w	75.25
8	29.950	.899	.820	64.4	79.5	70.0	w	w	w	74.54
9	30.033	30.026	30.040	61.2	74.5	69.0	n w	n e	w	80.55
10	.001	29.920	29.918	63.0	79.6	67.0	w	w	w	89.21
11	29.960	.962	.998	62.2	70.0	67.4	n e	n e	n e	100.00
12	30.167	30.181	30.187	57.5	74.0	68.5	n e	w	w	125.10
13	.176	.175	.097	62.6	79.9	70.2	w	s	w	102.76
14	.030	29.923	29.904	69.6	87.6	76.1	w	w	w	160.90
15	29.931	.958	.974	71.8	82.8	74.0	w	n e	n	109.02
16	30.100	30.077	30.001	60.0	72.5	68.6	n	w	w	88.98
17	29.961	29.900	29.831	62.8	65.0	60.5	w	s e	w	80.36
18	.834	.875	.850	59.8	64.0	60.1	e	e	s w	105.68
19	.833	.783	.768	60.6	71.0	63.0	s	s	w	158.40
20	.800	.782	.830	59.8	68.2	64.1	w	w	w	195.11
21	.882	.902	.983	62.2	74.9	69.5	w	n w	n w	108.06
22	30.100	30.133	30.098	64.0	80.5	72.6	w	w	w	150.75
23	.075	29.974	29.898	68.0	81.0	77.2	w	w	w	285.35
24	29.950	.960	.963	71.8	82.6	71.4	w	w	w	71.73
25	.975	.806	.800	62.8	76.6	76.8	w	s w	w	176.42
26	.930	.951	.993	70.0	76.3	70.8	w	w	w	84.42
27	30.075	30.121	30.170	70.0	78.2	71.0	w s w	s	s	71.98
28	.250	.211	.108	65.2	85.1	76.5	n	n e	n e	79.84
29	29.900	29.997	29.917	70.8	79.9	74.1	s w	w	w	139.95
30	.994	30.000	30.998	71.0	81.5	75.6	w	w	w	139.18
31	30.102	.187	.100	70.0	35.6	76.1	w	s w	w	91.0

REMARKS.—The highest reading of the Barometer was at 8 a.m. of the 31st day, and was 30.203 inches; the lowest reading was at 3 p.m. on 5th day, 29.704 inches. The monthly mean was 29.966 inches, and the monthly range 0.599.

The highest Temperature was on the 11th day, and was 90° 0. The lowest was on the 12th day, and was 54° 3.

The monthly mean was 71° 82, and the monthly range or climatic difference 35° 7.

—OBSERVATIONS taken at Halifax, Nova Scotia, during the month of July, 1873; Lat: 44° 39' North; Long. 63° 36' West; height above the sea, 125 feet, by Serg't John Thurling, A. H. Corps.

Barometer, highest reading on the 29th.....	30.231 inches.
" lowest " " 15th .....	29.623 "
" range of pressure.....	0.608
" mean for month (reduced to 32°).....	29.838
Thermometer, highest in shade on the 24th .....	89.3 degrees.
" lowest " " 18th .....	37.4
" range in month.....	51.9
" mean of all highest .....	77.8
" mean of all lowest.....	51.1
" mean daily range .....	26.7
" mean for month.....	64.4
" highest reading in sun's rays .....	Instrument broken
" lowest reading on the grass .....	32.8 degrees.
Hygrometer, mean of dry bulb.....	67.6
" mean of wet bulb.....	62.7
" mean deduced dew point .....	58.9
" elastic force of vapour.....	.498 inches.
" weight of vapour in a cubic foot of air....	5.5 grains.
" weight required to saturate do .....	1.8
" the figure of humidity (Sat. 100).....	74
" average weight of a cubic foot of air.....	522.9 grains.
Wind, mean direction of, North.....	8.25 days.
" " East.....	1.25
" " South.....	11.00
" " West.....	10.00
" " Calm.....	0.50
" daily force (0-12).....	2.6
" daily horizontal movement.....	262.6 miles.
Cloud, mean amount of (0-10).....	6.0
Ozone, mean amount of (0-10).....	2.1

Rain, number of days it fell..... 1.8  
 Amount collected on ground..... 4.49 inches.  
 Fog, number of days..... 8  
 Aurora Borealis..... 4

—OBSERVATIONS taken at Halifax, Nova Scotia, during the month of August, 1873; Lat. 44° 39' North; Long. 63° 36' West; height above the sea, 125 feet, by Serg't John Thurling, A. H. Corps.

Barometer, highest reading on the 18th.....	30.323 inches.
" lowest " " 24th.....	29.214
" range of pressure.....	1.109
" mean for month (reduced to 32°).....	29.892
Thermometer, highest in shade on the 31st.....	84.9 degrees.
" lowest " " 28th.....	40.2
" range in month.....	44.7
" mean of all highest .....	75.9
" mean of all lowest.....	50.8
" mean daily range.....	25.1
" mean for month.....	63.3
" highest reading in sun's rays.....	Instrument broken
" lowest on the grass.....	28.0 degrees.
Hygrometer, mean of dry bulb.....	67.3
" mean of wet bulb.....	62.0
" mean dew point.....	57.8
" elastic force of vapour.....	.479
" weight of vapour in a cubic foot of air....	5.2 grains.
" weight required to saturate do .....	2.1
" the figure of humidity (Sat. 100).....	.72
" average weight of a cubic foot of air.....	524.1 grains.
Wind, mean of direction North.....	7.5 days.
" " East.....	4.25
" " South.....	8.25
" " West.....	9.75
" " Calm.....	1.50
" daily force.....	2.2
" daily horizontal movement.....	267.5 miles.
Cloud, mean amount of (0-10).....	6.2
Ozone, mean amount of (0-10).....	2.4
Rain, number of days it fell.....	.11
Amount collected on ground.....	4.15 inches.
Aurora Borealis.....	.1
Fog, number of days.....	4.....

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