

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR MAY, 1864.

Notes.—The monthly means do not include Sunday observations. The daily means, excepting those that refer to the wind, are derived from six observations: daily, namely, at 6 A.M., 9 A.M., 3 P.M., 6 P.M., 10 P.M., and midnight. The means and resultants for the wind are from hourly observations.

Highest Barometer 29.788 at 8 a.m. on 5th. } Monthly range =
 Lowest Barometer 29.166 at 2 p.m. on 2nd. } 0.622 inches.
 Maximum temperature 79°0 on p.m. of 21st } Monthly range =
 Minimum temperature 32°2 on a.m. of 11th } 46°8
 Mean maximum temperature 62°86 } Mean daily range = 18°67
 Mean minimum temperature 46°20 }
 Greatest daily range 26°2 from a. m. to p. m. of 4th.
 Least daily range 6°2 from a. m. to p. m. of 7th.
 Warmest day 21st. Mean Temperature 67°53 } Difference = 27°65.
 Coldest day 11th. Mean Temperature 39°88 }
 Maximum (Solar Vacuum) 121°0 on p. m. of 31st } Monthly range =
 Radiation (Terrestrial) 24°9 on a. m. of 12th } 96°°4
 Aurora observed on 3 nights, viz.: on 5th, 6th, and 28th.
 Possible to see Aurora, on nights 12; impossible on 10 nights.
 Snowing on . . . days; depth . . . inches; duration of fall, . . . hours.
 Raining on 18 days; depth, 4.070 inches; duration of fall, 87.6 hours.
 Mean of cloudiness = 0.68; above average, 0.15. Most cloudy hour observed, 4 p.m.;
 mean = 0.73; least cloudy hour observed, mid't.; mean = 0.62.

Sums of the components of the Atmospheric Current, expressed in Miles.
 North. East. South. West.
 2103.84 1133.15 734.06 1312.51

Resultant direction, N. 7° W.; Resultant Velocity, 1.86 miles per hour.
 Mean velocity 5.64 miles per hour.
 Maximum velocity 24.5 miles, from 2 to 3 p.m. on 10th.
 Most windy day 27th—Mean velocity 12.64 miles per hour.
 Least windy day 8th—Mean velocity 0.82 miles per hour.
 Most windy hour, 1 to 2 p.m.—Mean velocity 3.92 miles per hour. } Difference 11.82
 Least windy hour, 4 to 5 a.m.—Mean velocity, 3.45 miles per hour. } 5.47 miles.
 3rd. Faint Aurora light in N. and N.E. at midnight.—5th, Solar Halo from 11.30
 a.m. to 2 p.m., Aurora light and faint Streamers at 10 p.m. and midnight.—6th,
 Rainbow at 6.40 p.m., Lightning and distant Thunder at 10 p.m.—7th, Foggy and
 damp day.—8th, Foggy Thunder in S.W. at 10 a.m.—9th, Lightning and distant
 Thunder at midnight; Foggy at 6 a.m.—11th, Hoar Frost and thin ice at 6 a.m.,
 Solar Halo and Parhelia at 6.20 a.m.—12th, Hoar Frost at 6 a.m.; pleasant day.
 15th, Severe Thunderstorm, vivid Lightning and heavy Rain from 8.10 to 9 p.m.—
 17th, Distant Thunder 10.30 a.m. to 4 p.m.—20th, Solar Halo at 3 p.m.—23rd,
 Thunderstorm and incessant Sheet Lightning 10 p.m., and midnight.—24th, Solar
 Halo, 11.30 a.m. to 6.30 p.m.—25th, Ground Fog at midnight.—26th, Dense Fog

COMPARATIVE TABLE FOR MAY.

YEAR.	TEMPERATURE.			RAIN.		SKO V.		WIND.		
	Mean.	Maximum observed.	Minimum observed.	Range.	No. of days.	Inches.	No. of days.	Inches.	Resultant. Direc- tion.	Mean Force or Velocity.
1840	53.8	74.5	30.8	43.7	9	4.160	0	...	...	...
1841	50.1	76.2	26.6	49.6	11	2.360	1	...	...	0.35 lbs
1842	50.5	74.3	30.0	44.3	7	1.275	0	...	...	0.53 "
1843	48.1	77.7	28.9	50.7	14	5.670	0	0.0	...	0.52 "
1844	53.6	79.6	29.0	48.7	5	5.670	0	0.0	...	0.50 "
1845	48.0	76.0	29.4	47.2	18	2.300	0	0.0	...	0.55 "
1846	56.5	78.1	34.3	43.8	9	4.375	0	0.0	...	0.46 "
1847	54.4	72.5	27.8	44.7	12	2.040	0	0.0	...	0.29 "
1848	54.1	78.5	31.9	46.6	13	2.527	0	0.0	N 40 W	1.31
1849	48.0	72.5	32.7	39.8	16	5.115	0	0.0	N 51 E	1.97
1850	47.6	76.3	31.1	45.2	7	0.545	1	Imp.	N 64 W	2.05
1851	51.3	73.2	23.7	44.5	12	2.360	1	0.5	N 82 W	1.69
1852	51.4	73.3	34.5	39.8	7	1.125	1	0.3	N 32 W	0.99
1853	50.9	78.4	35.4	40.0	17	4.420	1	Imp.	N 2 W	0.83
1854	52.2	75.0	27.6	41.4	11	4.630	0	0.0	E	0.40
1855	53.1	74.8	33.9	40.6	6	2.565	2	0.9	N 1 W	2.76
1856	50.5	80.1	35.5	44.6	14	4.580	1	Imp.	N 4 E	3.99
1857	48.9	72.5	27.9	44.6	15	1.145	1	Imp.	N 23 W	1.14
1858	48.9	66.0	35.0	31.0	0	0.0	0	0.0	N 42 E	3.33
1859	55.2	76.2	41.5	34.7	17	3.410	0	0.0	N 72 E	1.69
1860	55.5	73.2	35.6	37.6	16	1.815	0	0.0	N 26 E	2.66
1861	47.5	72.0	29.1	42.9	12	3.380	1	0.5	N 47 W	6.60
1862	52.2	77.8	38.1	39.7	8	1.427	0	0.0	N 52 W	2.80
1863	54.3	77.1	35.1	39.0	14	3.363	1	0.1	N 56 E	0.41
1864	54.3	74.2	35.3	38.9	18	4.070	0	0.0	N 7 W	1.86
Results to 1864.	51.68	74.96	32.47	42.52	11.6	3.206	0.4	0.09	N 6 W	1.46
Exc. for 1864.	+3.13	-0.78	+2.83	-3.62	6.4	0.864	0.4	0.09	...	...