

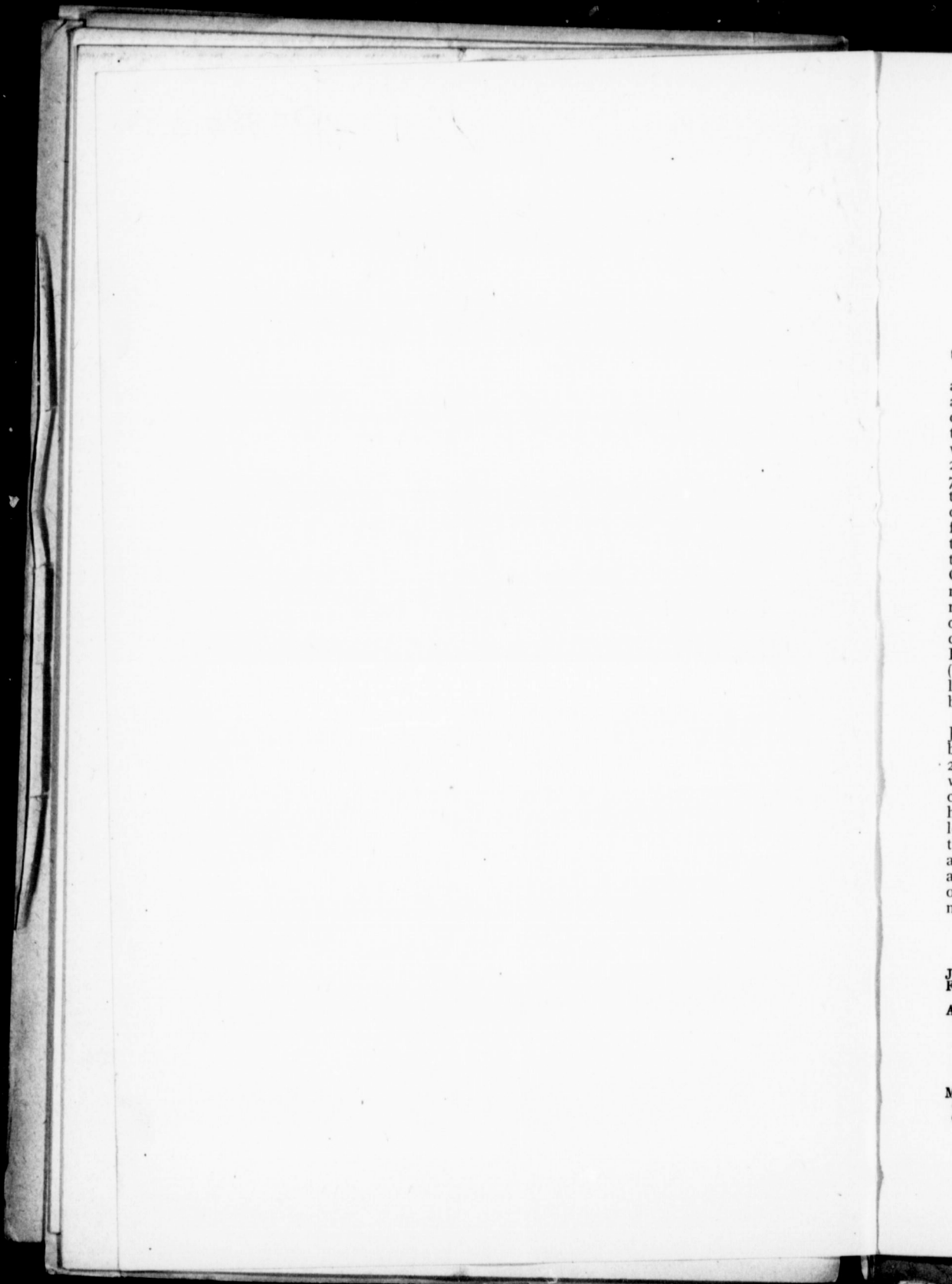
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TORONTO

GENERAL METEOROLOGICAL REGISTER

FOR THE YEAR 1896.



**REMARKS ON THE METEOROLOGICAL RESULTS
AT TORONTO FOR THE YEAR 1896.**

—:—

TEMPERATURE.

The mean temperature of the year 1896 was 45°36, being 1°16 warmer than the average of 56 years and 1°08 warmer than 1895.

The mean temperature of the several months was in eight instances above and in four below the average for their respective months, the average excess to the average defect being in the ratio of 2° to 2°77. On each of the 233 days the mean temperature was above the normal of that particular day and below on 163 days. The mean temperature of each month, with the difference from the normal, was: January, 22°18—0°24; February, 22°62+0°13; March, 23°57—5°18; April, 45°77+4°80; May, 59°79+7°65; June, 64°75+2°36; July, 68°72+1°10; August, 67°49+1°28; September, 57°41—1°22; October, 44°77—1°60; November, 39°45+3°35; December, 27°84+1°50. Dividing the year into the ordinary seasons we have for Winter, 22°79; Spring, 56°77; Summer, 64°54; Autumn, 37°35. The thermic anomalies differ from the normal temperature proper to the latitude: Winter, —13°8; Spring, —0°86; Summer, —1°69; Autumn, —6°98. On three months during the year the observed temperature exceeded the normal value for the latitude, viz.: May, 1°69; June, 0°15; July, 0°02. The mean daily range for the year was 17°58, the greatest monthly average occurring in August (22°56) and the least in December (12°45). The greatest daily range (38°9) occurred on the 8th May, and the least (2°8) on the 20th December. The warmest month relatively was May, estimated by its excess (7°65) above the normal, July, the warmest absolutely. The coldest absolutely was January (22°18). March was the coldest relatively, its mean being 5°18 below the normal.

The climatic difference was 46°54, the warmest day was the 12th of July, mean temperature, 78°32, and the coldest the 16th of February, 5°55 below zero; but the warmest day relatively was the 10th of May, it being 27°80 above its proper normal, and the coldest the 16th of February, which was 29°13 below the normal. The average temperature of the warmest and coldest days from former years was 77°95 and 2°24 below zero. The highest temperature of the year (91°3) occurred on the 12th of July, and the lowest (17°9 below zero) on the 17th of February. The annual range from these extremes was 109°2, being 5°2 less than 1895 and 6°2 more than the average annual range. There were 39 instances on which the temperature at the hour of observation was 20° above the normal and 29 when a defect of equal amount occurred. The most striking deviations from the daily normal curve of temperature have been as follows:—

IN EXCESS.

°			°		
January 2, Mean Deviation	.....	13°23	May 11, Mean Deviation	.....	20°80
February 1, do	.....	13°02	do 16, do	.....	13°83
do 28, do	.....	12°15	June 7, do	.....	13°57
April 13, do	.....	12°97	October 29, do	.....	13°75
do 14, do	.....	16°17	do 30, do	.....	13°47
do 15, do	.....	15°57	November 16, do	.....	15°30
do 16, do	.....	22°85	do 17, do	.....	12°17
do 17, do	.....	22°62	do 26, do	.....	15°58
do 18, do	.....	17°78	do 27, do	.....	20°67
do 19, do	.....	13°42	December 12, do	.....	13°33
May 8, do	.....	16°42	do 29, do	.....	14°57
do 9, do	.....	25°97	do 30, do	.....	16°77
do 10, do	.....	27°80			

IN DEFECT.

January	4,	Mean Deviation	.....	13	18	March	11,	Mean Deviation	... ..	13	08
do	5,	do	.....	24	83	do	12,	do	.....	18	57
do	6,	do	.....	15	10	do	13,	do	.....	15	92
do	7,	do	.....	14	63	do	14,	do	.....	13	33
February	16,	do	.....	29	13	do	20,	do	.....	15	55
do	17,	do	.....	28	80	do	22,	do	.....	12	67
do	20,	do	.....	18	67	do	23,	do	.....	16	73
do	21,	do	.....	16	57	April	3,	do	.....	14	22
March	3,	do	.....	13	55	December	23,	do	.....	16	40
do	4,	do	.....	15	58						

BAROMETRIC PRESSURE.

The mean height of the Barometer was 29.6382 inches, being 0.0185 inches more than the average. The month which showed the greatest deviation from the normal was February, 0.185 in excess; May and August showing the least 0.006, also in excess. Average deviation without reference to sign was small, being only 0.056. The highest reading was 30.422 inches at 4 p.m. of December 27th, and the lowest 28.734 at 4 p.m. of February 6th, giving a range of pressure of 1.688 inches.

The number of days of large abnormal variation in which the average pressure differed by two-tenths and upwards from the normal was 121, the greatest number (18) occurring in February, and least (3) in July and August.

HUMIDITY.

The mean humidity of the year was 75, being 2 per cent below the average, the greatest monthly humidity was 84, in January, and the least, 66, in May. There were 17 cases of complete saturation at the hour of observation; 5 in January, 3 in February, 1 in May, 1 in July, 2 in October, 4 in November, and 1 in December. The least humidity of the year at the hour of observation was 20 on the 14th of August, at 4 p.m..

CLOUDS.

The extent of the sky clouded was on the average of the year six-tenths of the whole. June was the clearest month and January the most cloudy. During the year there were 55 days completely clouded, being 11 less than the average (18.5-79), the greatest number (21) occurring in January, none being registered in the months of April, May, July and August.

WIND.

The resultant direction of the wind was N. 88° W., showing 14 more northing than 1895, and 11° more southing than the ten years to 1890. The mean velocity of the wind without reference to direction was 8.44 miles. The most windy month was March, with an average of 10.00 miles per hour, and the least windy was August, with an average of 6.69 miles. The windiest day was February 19th, average velocity 38.53 miles per hour, and the day of least velocity September 18th, average velocity 1.92 per hour. The highest velocity in one hour was 50.0 miles, 4 to 5 p.m. of the 19th of September.

RAIN AND SNOW.

The total depth of rain that fell during the year was 21.770 inches, being 5.552 inches less than the average, and 0.761 less than the rainfall of 1895. The depth of snow, 73.3 inches, was 5 inches more than the average, and 18.5 inches more than the snowfall of 1895. September was the most rainy month as to quantity (5.085), and also with reference to the number of rainy days. December was the least rainy month, only 0.345 inches having fallen. The day of greatest rainfall was the 23rd of January, when 1.845 inches fell. There was only one other day during the year on which over one inch fell.

The heaviest fall of snow in one day was 7.4 inches on the 19th of March. Rain fell on 104 days, being 10 less than the average number, and 3 more than 1895. Snow fell on 43 days, being 23 less than the average and 5 less than 1895. There were 174 days on which neither rain nor snow fell; in 1895 the number was 176. The rain occupied 426 hours, and the snow 335 hours in its fall, giving a total of 756 hours, or 31 days and 12 hours when rain or snow was actually falling.

THUNDER-STORMS.

Of the 25 thunder-storms occurring during the year, the first was on the 29th of March, and the latest on September 27th, 1 in March, 1 in April, 8 in May, 6 in June, 4 in July, 4 in August, 1 in September. The most severe storms were on the 25th of May, 7th of June, 6th of July, 5th of August, and 27th of September.

AURORA.

Auroral displays were more numerous than in the previous year. Of the 18 observed, none were of the first class, 2 of the second class, 1 of the third class and 15 of the fourth class. There were 172 nights favourable for observation. The most brilliant displays occurring on the 4th of March, 17th of May and 6th of August.

SUNSHINE.

The total duration of bright sunshine during the year was 2146.7 hours; number of hours the sun was above the horizon, 4474.4; ratio of registered to possible, 0.48.

MEAN METEOROLOGICAL RESULTS.

GENERAL METEOROLOGICAL

MAGNETICAL OBSERVATORY,

Latitude 43° 39' N. Longitude, 5h. 17m. 34.65. Elevation

	JAN.	FEB.	MAR.	APRIL.	MAY.	JUNE.	JULY.
Average temperature	22° 18'	22° 02'	23° 57'	45° 77'	59° 79'	64° 75'	68° 72'
Difference from average (56 years).....	- 0' 24"	+ 0' 13"	- 5' 18"	+ 4' 80"	+ 7' 65"	+ 2' 36"	+ 1' 10"
Thermic anomaly (Lat. 43° 40').....	-10' 62"	-12' 08"	-16' 53"	- 4' 43"	+ 7' 69"	+ 0' 15"	+ 0' 02"
Highest temperature	37.7	48.9	54.9	79.7	90.8	86.3	91.3
Lowest temperature.....	-10.3	-17.9	4.6	18.3	36.5	41.9	47.2
Monthly and annual ranges.....	48.0	64.8	50.3	61.4	54.3	44.4	44.1
Average maximum temperature.....	28.21	29.96	31.25	55.60	71.11	75.90	80.01
Average minimum temperature.....	15.02	14.12	15.37	37.69	49.24	53.94	59.38
Average daily range.....	13.19	15.84	15.88	17.91	21.87	21.96	20.63
Greatest daily range.....	28.2	33.2	32.8	32.9	38.9	32.9	36.2
Average height of bar. at 32° Fah.....	29.7422	29.4642	29.6295	29.6922	29.5817	29.7823	29.6035
Difference from average.....	+ .0942	- .1832	+ .0231	+ .0948	+ .0062	+ .0109	+ .0157
Highest barometer.....	30.176	30.256	30.220	30.225	29.977	30.860	29.936
Lowest barometer.....	29.191	28.734	29.023	29.208	29.085	29.158	29.241
Monthly and annual ranges.....	0.985	1.522	1.197	0.927	0.892	0.711	0.695
Average humidity of the air.....	84	83	76	74	66	67	72
Difference from average.....	+ 1	+ 2	- 2	+ 4	- 4	- 6	0
Average elasticity of aqueous vapour...	0.108	0.111	0.103	0.249	0.336	0.414	0.505
Average temperature of dew point.....	20.0	20.6	19.0	40.1	48.1	53.7	59.3
Average of cloudiness.....	0.83	0.68	0.50	0.64	0.48	0.42	0.54
Difference from average.....	+ .08	- .01	- .13	+ .06	- .09	- .11	+ .05
Resultant direction of wind.....	N 9° E	N 70° W	N 59° W	N 18° W	S 66° W	N 10° E	N 85° W
velocity of the wind.....	0.94	2.39	3.89	0.52	0.84	0.48	0.25
Average velocity (miles per hour).....	8.58	9.67	10.00	9.38	7.60	7.36	6.78
Total amount of rain in inches.....	1.855	0.990	1.345	0.730	2.440	1.105	2.175
Difference from average.....	+ 0.700	+ 0.106	- 0.098	- 1.445	- 0.612	- 1.774	- 0.792
Number of days of rain.....	3	4	6	12	12	6	11
Total amount of snow in inches.....	20.7	29.6	11.4	0.3	.....	.....	.....
Difference from average.....	+ 3.3	+12.6	- 0.9	- 2.1	- 0.1	.....	.....
Number of days of snow.....	11	11	7	2	.....	.....	.....
Number of fair days.....	9	10	14	11	19	17	17
Number of days completely clouded	21	8	5	0	0	1	0
Number of auroras observed.....	3	0	3	4	1	1	1
Possible to see aurora (No. of nights).....	10	8	19	15	24	20	21
Number of thunderstorms.....	0	0	2	1	8	6	4
Number of fogs.....	0	0	2	1	2	1	4
Number of hours of bright sunshine.....	44.8	113.2	201.0	191.8	282.0	300.2	246.7
Number of hours of possible sunshine.....	285.7	302.5	369.9	406.5	461.1	465.7	470.9

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AT TORONTO FOR THE YEAR 1896.

REGISTER FOR THE YEAR 1896.

TORONTO, ONTARIO.

above Lake Ontario, 108 feet. Elevation above the Sea, 350 feet.

	Aug.	SEPT.	Oct.	Nov.	DEC.	1896.	1895.	1894.	1893.	1892.	1891.	1890.
68 ^o 72 + 1 10 + 0 02	67 ^o 49 + 1 28 - 1 01	57 ^o 41 - 1 22 - 4 09	44 ^o 77 - 1 60 - 9 03	39 ^o 45 + 3 35 - 3 75	27 ^o 84 + 1 50 - 8 16	45 ^o 36 + 1 16 - 5 66	44 ^o 28 + 0 08 - 6 74	46 ^o 75 + 2 55 - 4 27	43 ^o 53 - 0 67 - 7 49	44 ^o 61 + 0 41 - 6 41	45 ^o 87 + 1 67 - 5 15	45 ^o 02 + 0 82 - 6 00
91 3 47 2 44 1 89 61 59 38 29 63 36 2	89 9 42 3 47 6 79 16 56 59 22 56 3 9	86 3 27 6 58 7 66 46 48 04 18 42 28 9	66 8 28 7 38 1 52 41 37 44 14 97 27 8	63 8 17 1 46 3 47 16 31 91 15 25 26 7	48 9 1 1 47 8 33 75 21 29 12 45 26 7	91 3 -17 9 109 2 17 58 38 9	93 4 -21 2 114 6 17 26 35 9	90 7 -9 9 100 6 16 27 34 3	93 3 -17 8 111 1 17 15 36 3	93 5 -10 2 103 7 15 53 38 6	91 9 -2 0 93 9 16 45 37 8	89 4 -2 7 92 1 16 22 36 0
29 6035 + 0 157	29 6231 + 0 062	29 6242 - 0 422	29 6544 - 0 116	29 7078 + 0 0843	29 7529 + 1 028	29 6382 + 0 185	29 6171 - 0 025	29 6246 + 0 067	29 5996 - 0 200	29 6325 + 0 129	29 6385 + 0 189	29 6313 + 0 117
29 936 29 241 0 895	30 001 29 274 0 727	29 963 29 052 0 911	30 142 29 196 0 946	30 228 28 992 1 236	30 422 29 127 1 295	30 422 28 734 1 688	30 240 28 746 1 494	30 516 29 035 1 481	30 467 28 227 2 240	30 356 23 844 1 510	30 266 28 536 1 730	30 331 28 762 1 572
72 0	70 - 4	79 + 2	75 - 4	78 - 2	80 - 2	75 - 2	75 - 2	76 - 1	77 0	77 0	75 - 2	78 + 1
0 505 59 3	0 481 57 9	0 381 51 5	0 230 38 1	0 202 34 8	0 130 24 2	0 254 38 9	0 253 41 3	0 277 42 9	0 262 41 5	0 272 42 5	0 267 42 0	0 272 42 5
0 54 + 0 05	0 47 - 0 03	0 55 + 0 05	0 63 + 0 01	0 76 + 0 01	0 71 - 0 05	0 60 - 0 01	0 57 - 0 04	0 60 - 0 01	0 59 - 0 02	0 61 - 0 00	0 59 - 0 02	0 62 - 0 01
N 85° W 0 25 6 78	S 32° W 2 00 6 69	N 42° W 0 50 8 50	N 46° W 0 78 7 75	S 32° W 2 12 9 10	S 47° W 1 13 9 80	N 88° W 0 75 8 44	S 78° W 1 33 5 60	N 78° W 1 10 5 67	N 66° W 1 95 8 59	N 54° W 1 81 8 17	N 57° W 1 63 7 33	N 48° W 1 80 9 19
2 175 0 792 11	1 130 -1 741 9	5 085 +1 811 15	1 965 -0 393 11	2 605 -0 061 11	0 345 -1 253 4	21 770 -5 552 104	22 531 -4 791 101	25 785 -1 537 114	31 145 + 3 823 105	25 285 - 2 037 119	26 735 - 0 587 108	32 110 + 4 788 119
.....
17 0	17 0	14 3	20 3	10 5	16 9	174 55	195 48	179 43	156 50	165 57	193 60	159 68
1 21	2 21	1 16	1 15	0 12	1 13	18 194	11 195	23 199	18 208	33 195	18 212	7 186
4 4	7 0	2 5	0 9	0 4	0 2	25 30	23 33	36 30	41 31	40 36	19 38	21 43
16 7 70 9	272 2 434 5	180 2 376 3	143 2 340 2	94 1 286 9	77 3 274 3	2146 7 4474 4	2150 7 4463 3	2017 7 4463 3	2052 4 4463 3	2054 4 4474 4	2065 4 4463 3	1977 6 4463 3

MEAN METEOROLOGICAL RESULTS.

TEMPERATURE.

	1896.	Average of 56 years.	EXTREMES.	
Average temperature of the year.....	45° 36'	44° 20'	47° 09' in 1878	40° 77' in 1873
Warmest month.....	July	July	July, 1868	Aug., 1860
Average temperature of the warmest month.....	68° 72'	67° 62'	75° 80'	64° 46'
Coldest month.....	January	January	Feb., 1875	Feb., 1848
Average temperature of the coldest month.....	22° 18'	22° 42'	10° 16'	26° 00'
Difference between the temperature of the warmest and coldest month.....	46° 54'	45° 20'	.....	.....
Average of deviations of monthly means from their respective averages of 56 years, signs of deviations being disregarded.....	2° 53'	2° 76'	3° 58'	.....
Month of greatest deviation without regard to sign.....	May	January	Feb., 1875	.....
Corresponding magnitude of deviation.....	7° 65'	4° 12'	12° 33'	.....
Warmest day.....	12 July	.....	July 14, '68	July 31, '44
Average temperature of the warmest day.....	78° 32'	77° 95'	84° 50'	72° 75'
Coldest day.....	16 Feb.	.....	Feb. 6, 1855	Dec. 22, '42
Average temperature of the coldest day.....	-5° 55'	-2° 24'	-14° 33'	9° 57'
Date of the highest temperature.....	12 July	.....	Aug. 24, '54	Aug. 19, '40
Highest temperature.....	91° 3'	90° 87'	90° 2'	82° 4'
Date of lowest temperature.....	17 Feb.	.....	Jan. 10, '59	Jan. 2, 1842
Lowest temperature.....	-17° 9'	-12° 12'	-26° 5'	1° 9'
Range of the year.....	109° 2'	103° 00'	118° 2'	87° 0'

BAROMETER.

	1896.	Average of 55 years.	EXTREMES.	
Average pressure of the year.....	29° 6382	29° 6196	29° 6779	29° 5602
Month of the highest average pressure.....	Dec.	Sept.	in 1849	in 1864
Highest monthly average pressure.....	29° 7529	29° 6664	Jan., 1849	June, 1864
Month of the lowest average pressure.....	Feb.	June	29° 8046	29° 6525
Lowest monthly average pressure.....	29° 4642	29° 5714	March, 1859	Nov., 1859
Date of the highest pressure in the year.....	27 Dec	.....	29° 4143	29° 5886
Highest pressure.....	30° 422	30° 357	Jan. 8, 1866	Mar. 7, 1878
Date of the lowest pressure in the year.....	6 Feb.	.....	30° 940	30° 139
Lowest pressure.....	28° 734	28° 699	Jan. 2, 1877	June 2, 1894
Range for the year.....	1° 688	1° 658	28° 166	29° 035
			2° 240	1° 303
			in 1893	in 1845

RELATIVE HUMIDITY.

	1896.	Average of 55 years.	EXTREMES.	
Average humidity of the year.....	75	77	82 in 1851	73 in 1858
Month of greatest humidity.....	January	January	Jan., 1857	Dec., 1858
Greatest average monthly humidity.....	84	83	89	81
Month of least humidity.....	May	May	Feb., 1843	April, 1849
Least average monthly humidity.....	66	70	58	76

EXTENT OF SKY CLOUDED.

	1896.		Average of 43 years.		EXTREMES.	
Average cloudiness of the year.....	0.57		0.61			
Most cloudy month.....	January.		Dec.		0.66 in '69-'77	0.57 in 1856
Greatest monthly average of cloudiness.....	0.80		0.76		0.89	0.73
Least cloudy month.....	June.		July.			
Least monthly average of cloudiness.....	0.42		0.49		0.23	0.50

WIND.

	1896.		Average of 17 years.		EXTREMES.	
Resultant direction.....	N. 88° W.		N. 61° W.			
Average velocity in miles.....	0.75		2.51			
Average velocity without regard to direction.....	8.44		9.64			
Month of greatest average velocity.....	March.		March			
Month of least average velocity.....	10.0		11.49		10.54 in '80	8.32 in '78
Least monthly average velocity.....	August.		July		April, '80	Dec. 1875
Day of greatest average velocity.....	6.69		7.56		13.88	10.42
Greatest daily average velocity.....	Feb. 19		Feb. 18°		July '78	July, 1881
Day of least average velocity.....	38.53		28.98		5.93	8.43
Least daily average velocity.....	Sept. 18°		Nov. 17 '70		Feb. 10, '85	
Hour of greatest absolute velocity.....	1.92		41.67		23.79	
Greatest velocity.....	Sept. 19 } 4 to 5 } p.m. }		45.67		April 20th, } 8 to 9 a.m. } 60.0 }	Jan. 17, '85 } 10 to 11 a.m. } 39.0 }

NOTE.—During the year 1896, the wind has been obtained from the records of the anemograph at the observatory at a lesser elevation than formerly, and no comparison has been made with the result of former years. The extremes are from the Island anemograph

RAIN.

	1896.		Average of 56 years.		EXTREMES.	
Total depth of rain in inches.....	21.770		27.322		43.555 in '43	17.574 in '74
Number of days on which rain fell.....	104		114		145 in 1890	80 in 1841
Month on which the greatest depth of rain fell.	Sept.		Sept.		Sept. 1843	June, 1887
Greatest depth of rain in one month.....	5.085		3.274		9.760	2.655
Month in which the days of rain were most frequent.....	Sept.		Oct.		{ Jan., '69 } { Oct., '90 }	{ May, 1841 } { 11 }
Greatest number of rainy days in one month..	15		13		23	11
Day on which the greatest amount of rain fell..	Jan. 23		Sept. 14, '43		Sept. 14, '48	
Greatest amount of rain in one day.....	1.845		1.905		3.455	1.000

SNOW.

	1896.	Average of 53 years.	EXTREMES.	
Total depth of snow in inches.....	73.3	68.3	122.9 in '70.	34.6 in '88.
Number of days on which snow fell.....	43	66	87 in 1859.	33 in '48.
Month in which the greatest depth of snow fell	Feb.	January.	March, '70.	Jan., 1895.
Greatest depth of snow in one month.....	29.6	17.4	62.4	10.5
Month in which the days of snow were most frequent.....	Jan. and Feb.	January.	Dec., 1872.	Feb., 1848.
Greatest number of days of snow in one month.	11	15	24	8
Day in which the greatest amount of snow fell.....	19th Mar.	—	Feb. 5, '63. Mar. 27, '70.	4.6 Jan '88
Greatest fall of snow in one day.....	7.4	8.9	16.0	3.0

SUNSHINE.

	1896.	Average 1882 to 1895.
Total duration of bright sunshine in hours.....	2146.7	2338.0
Ratio to possible amount.....	0.48	0.45
Month of greatest relative amount.....	May	July.
Ratio to possible amount.....	0.64	0.61
Month of least relative amount.....	December	December.
Ratio to possible amount.....	0.16	0.19
Number of days completely clouded.....	55	67
Day of greatest relative amount.....	January 5	—
Ratio to possible amount.....	0.96	0.91

DIFFERENCES OF CERTAIN METEOROLOGICAL ELEMENTS FOR 1895 FROM THE NORMAL VALUES FOR EACH QUARTER AND YEAR.

	Bar.	Tem.	Rain.	Days Rain.	Snow.	Days Snow.	Cloud- ed Sky.
	in.	°	in.*				p. c.
Winter..	- .0226	- 1.76	+ 0.708	- 3.24	+ 15.0	- 9.35	- 0.02
Spring ..	+ .0373	+ 4.94	- 3.831	- 4.43	- 2.2	- 2.00	- 0.04
Summer ..	- .0668	+ 0.39	- 0.722	+ 1.24	—	—	+ 0.02
Autumn ..	+ .0662	+ 1.08	- 1.707	- 3.72	- 7.8	- 11.95	- 0.01
Year ..	+ .0185	+ 1.16	- 5.552	- 10.15	- 5.0	- 23.30	- 0.01

PERIODICAL OR OCCASIONAL EVENTS, 1896.

- January 16. Large flock of Wild Geese flying S.W. Snow Buntings about.
 17. Flocks of Grosbeaks.
 20. Lowest water in Bay 20in. below 0; 23rd, 24th, great ice and rain storm.
 29. Flocks of Grosbeaks again numerous
- February 27. Robins about.
- March 11. Song Sparrows. 17th, Spring birds numerous. 29th, Bronze Grackle, Moths numerous. First Thunder of year.
- April 3. Juncos. 11th, Plover. 12th, Meadow Lark, Frogs piping, Blue Bird.
 6. Large flocks of Ducks in Bay. 7th, Last measurable snow. 8th, Schooner arrived.
 13. Phoebe bird, Golden Woodpeckers, Hawk, May beetle, Crocus in bloom.
 14. Chipping Sparrow. Soft Maples in bloom. Lawn grass green.
 14. Woodpeckers numerous. 15th, Cabbage Butterfly, Kingfisher. Elm in bloom.
 18. Hepatica and Arbutus in bloom. 20th, Towhee numerous. 21st, Swallows.
- May 23. Frost.
 1. Willow in leaf. 2nd, Orioles seen. Dandelion in bloom.
 4. Cherry in bloom. 6th Humming Bird, Japonica in bloom. 7th, Plum in bloom. 8th, Apple in bloom. Elder in bloom. 10th, Lilac in bloom.
 12. Horse Chesnut in bloom. 14th, Mountain Ash.
- June 2. Night Hawks. 18th, Cherries ripe.
- August 27. Large flocks of Robins and Blackbirds. Some Snowballs in bloom.
- September 8. Swallows appear to have left.
 20. First frost and ice. 23rd, First entry below 32° of season.
 27. Last Thunder Storm.
- October 8. First snow flakes. 17th, First measurable snow.
- December ... 22. Bay frozen. 25th, Sleighing.
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