No. 553.ª A.

(553 REVISED.)

KINGSTON, JAMAICA.

METEOROLOGICAL RESULTS

OF

BAROMETER PRESSURE, TEMPERATURE, &c.

Giving Tables of Averages for 33 Years.

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JAMAICA
GOVERNMENT PRINTING OFFICE, KINGSTON.
1924.

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At different intervals of time, since the year 1880, Meteorological Means of observations, taken at Kingston, of barometric pressure, temperature, humidity, &c., have been published for successive periods of years, such as appeared in the Supplement of the Jamaica Gazette of Oct. 16th, 1890, Jamaica Weather Reports No. 123, 192, 275, "Meteorology of Jamaica," by the late Mr. Maxwell Hall, and in the Annual issues of the Handbook of Jamaica. Mean results varying up to only eighteen years have been computed and published. The Jamaica Weather Service having been closed at the end of 18 years (terminating in year 1898, Weather Report No. 237), observations then ceased until the year 1907, after the Great Earthquake, when it was re-established, and maintained until the present time; placing a further period of 15 years at our command. The bound volumes of Meteorological Records, in manuscript, from 1881 to 1898, are filed in the Public Library of the Institute of Jamaica, and had necessarily to be referred to in order to prepare certain parts of this compilation.

Opportunity is now therefore, afforded to prepare and present a complete set of data, extending to a third of a century of observations, with their means.

Results are compiled and herein given in the following order:

Table I. Monthly means of barometer, temperature, etc., 1908-1922.
Table II. General Summary of Monthly Results, 1908-1922.
Table III. General Summary of Annual Results, 1908-1922.
Table IV. General Summary of Barometric Results 1881-1898. with the 15-year results combined, giving 33 years.
Table V. Mean barometric pressure, at sea-level, for each month for 33-year means.
Table VI. Corrections for Diurnal Variation of Pressure, near to Sea-level.
Table VII. Mean Temperature Results, for 33 years.
Table VIII. Kingston, Humidity Means, 15-year results.
Table IX. Mean barometric Range of 7 a.m. and 3 p.m. observations for the 15-year period.

In Table I (12 sets), the summaries are arranged for the twelve consecutive months for most of the meteorological data recorded during the 15-year period 1908-1922.

Table II. giving the General Summary of all means appearing in Table I. The mean barometric pressure is derived from the means of the 7 a.m. and 3 p.m. bar. reduced readings, by applying the figures given in Table VI. for Diurnal Variation correction, for example, take the month of May:

7 a.m. mean pressure	29.932	—	.020	=	29.912 ins.
3 p.m. mean pressure	29.886	+	.031	=	29.917 "
Mean taken as					29.914 "

And the Mean for the whole year is found to give 29.933 ins., which compares satisfactorily with the mean of the 33-year period of 29.932.

The respective means for the 33-year period are derived similarly to those of the 15-year. By referring to Table IV in the column, Mean for the Year, we proceed as follows:

Mean 7 a.m.	29.948	—	.016	=	29.932 ins.
Mean 3 p.m.	29.894	+	.038	=	29.932 "

The corrections of minus and plus are had from Table VI. The mean pressure for Kingston for the 33-year period, including reductions for inst. error, elevation of inst., temperature and garvity 45° may be therefore taken as being 29.932 ins., instead of 29.936 ins. given in much earlier determinations. The highest Max. temp. 97°.5. occurred in August, 1919, and the lowest min. 56°.9 in January, 1918. And the Max. daily average miles of wind, 235, takes place in June, and the average Min. 143 miles, in November. The mean for the year being 182 miles average for the day.

In Table III. will be found figures to show annual comparisons for the 15-year group. The year 1913, gave the barometer highest annual mean as 29.947 ins., and the year 1915 (a year of hurricanes) gave 29.903 ins. By reference to this Table other particulars are obtainable.

Table IV. giving the figures for the 18-year period of barometer results, is compiled in order that comparisons with the 15-year period may be made, and the 33-year means derived. The foot-note further explains this Table. A column giving the bar. Range in thousandths of an inch, is added, so that the figure 66 given for January, 1881, for example, represents a range of .066 in. between 7 a.m. and 3 p.m.

Table V. is an improved set of Mean Monthly Pressures, which may be regarded as a revision of the Table given in "Meteorology of Jamaica," page 39 (1904 Ed.)

In the Weather Report No. 192 page 12, a Table appeared giving figures for applying the correction for the Diurnal Variation of Barometric pressure, in order to arrive at the probable mean pressure at any hour for the day. This old Table was derived from a photographic recording barograph, operated about the year 1892, giving the bar. readings for each hour of the day. But it was, unfortunately, limited to only one year, and therefore, could hardly be altogether relied upon as a Normal Table for comparison with any other year; the daily range of pressure being not constant, as will be illustrated by referring to

Tables I., IV., and IX. where the 7 a.m. and 3 p.m. means for each month in the 33-year period, vary much. Consequently, Table VI. has been constructed, and based for the most part upon the 33-year mean ranges for the 7 a.m. and 3 p.m. obs. and also somewhat governed by the Table in Weather Report No. 192, so as to secure sets of corrections for every hour of the day. In some months of the 33-year Ranges of 7 a.m. and 3 p.m. entries the difference is seen to be greater, and in other instances less, than those given in Weather Report 192. All the new figures are, however, proportionately, computed based upon all the individual hour figures of the barograph set, and should therefore supersede the previous Table.

Table VII gives the mean temperature results, and are derived from the means of the two periods And it will be readily seen upon comparing the two Tables that the departures from the 33-year mean, are very small. The mean for the year in the 18-year period ("Meteorology of Jamaica" page 40) being 78° 8, and in the 15-year, 78° 7, and that for the 33-year 78° 7. Those given for the 7 a.m. and 3 p.m Max. Min., &c., differ by a fraction of a degree, when one period is compared with the other of the temperature Tables. It is proposed to substitute these 33-year means, in lieu of those produced in other previous Tables.

The thermometers were, from time to time, compared with a Standard inst., and their corrections applied; and were exposed in a Stevenson's Screen.

The Kingston Humidity percentage Table VIII. compares well with the results tabulated on page 45, "Meteorology of Jamaica." This Table VIII. is for the 15-year set, and gives the year's mean percentage of humidity as 77, as against 78 hitherto recognised. Although some months are slightly greater and others slightly less than in Table IX. p. 45 of "Meteorology of Jamaica."

Table IX. has been prepared in order to demonstrate the great variety of barometric ranges occurring from month to month between the 7 a.m. and 3 p.m. reduced readings, where it will be seen that as high a range as .068 in. occurred in April 1920, and as low as .012 in. in July, 1916. Now, referring back to Table IV (1881-1898) Range column, there is seen a high range of .084 in. in December, 1884, and in January, 1897; as low as .032 in August, 1893.

Observations from February 1st, 1912, were taken in 75th Meridian Time. Prior to that date Kingston Local Mean Time was in use.

J. F. BRENNAN,

Govt. Meteorologist.

Kingston, November 12th, 1923.

CORRIGENDA.

Owing to a few typographical errors having been accidentally made in Weather Report No. 553, a Revised Edition No. 553A is reprinted, which will supersede No. 553.

The following are the principal errors appearing in No. 533 with their corrections.

On page	5	1915. Bar. Pressure 7 a.m.	..	for	924	read 934
"	9	1916 Miles of Wind	..	"	190	" 197
"	15	July Extreme Range	..	"	23.9	" 23.0
"	15	August Bar. Pressure. Mean	..	"	963	" 936
"	15	August Absolute Max. Temp.	..	"	95.5	" 97.5
"	15	October Maximum Therm. Date	..	"	1911	" 1924 30th
"	17	1888 October 3 p.m. Bar.	..	"	938	" 838
"	17	1889 October 7 a.m. Bar.	..	"	996	" 896
"	17	1895 September 7 a.m. "	..	"	393	" 893

J. F. B.
May 15th, 1924.

TABLE I.—Summary of Monthly Means for period 1908-1922, (15 years) Kingston, Jamaica.

JANUARY.

Year.	Bar. Pressure.			Temperatures. Means.			Extremes.								Dewpoint and Humidity.				Rainfall.	Miles of Wind.	Wind: from and Miles per hour.				Clouds in Tenths.					
																									Lower.		Middle.		Upper.	
	Mean	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range	7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ins. 29 or 30	ins. 29 or 30	ins. 29 or 30	°	°	°	°	°	°	°		°		°	°	%	°	%	Ins.											
1908 ..	969	.973	.936	75.9	70.0	81.2	86.2	68.1	18.1	90.4	3	65.2	31	25.2	63.5	80	68.6	66	0.92	125	N.	5.0	Var.	9.3	1.6	3.2	1.8	3.1	0.0	0.0
9 ..	948	.958	.910	74.2	68.7	79.6	84.5	66.2	18.3	81.1	13	62.7	11	25.4	62.8	82	67.8	67	1.24	120	N.	4.5	S.E.	6.8	1.5	1.6	0.6	3.7	2.1	0.4
10 ..	986	.001	.943	73.5	66.9	79.8	83.9	65.5	18.4	88.6	7	59.7	27	28.9	62.0	84	65.2	61	2.10	133	N.	4.2	S.E.	7.9	1.2	0.7	0.7	2.8	3.1	0.5
11 ..	000	.011	.961	75.3	68.7	81.6	86.6	66.4	20.2	90.1	1	62.7	11	27.4	63.4	83	67.2	62	0.13	119	N.	3.9	S.E.	9.3	1.6	2.1	1.1	2.8	0.6	0.4
12 ..	958	.967	.922	76.7	71.0	81.6	87.5	68.8	18.7	91.0	6	64.4	6	26.6	66.1	84	71.0	70	1.40	214	N.E.	6.2	S.E.	16.0	2.1	1.8	0.3	1.9	0.1	0.3
13 ..	983	.999	.939	76.5	70.0	82.9	86.5	68.6	17.9	90.1	6	66.1	22	24.0	64.7	83	69.5	64	0.09	169	N.	4.7	S.E.	12.4	1.0	1.6	0.9	1.5	1.0	1.1
14 ..	964	.971	.928	76.5	70.3	82.1	86.9	68.8	18.1	89.4	10	63.9	29	25.5	63.4	79	66.6	60	0.14	189	N.N.E.	6.4	S.E.	14.2	2.1	1.8	0.4	2.5	1.5	1.1
15 ..	920	.931	.882	76.9	71.1	82.3	86.2	70.3	15.9	89.9	29	66.8	25	23.1	67.3	88	71.0	69	1.11	173	N.E.	5.4	S.E.	11.5	3.4	3.3	0.1	2.4	0.1	0.2
16 ..	998	.009	.959	75.8	68.7	83.1	85.9	67.4	18.5	87.9	2	64.1	23	23.8	63.9	85	67.1	59	0.09	119	N.	4.5	S.E.	10.1	0.4	1.7	0.6	2.2	1.4	0.8
17 ..	013	.023	.974	74.1	67.0	81.1	84.5	65.9	18.6	89.9	14	63.3	15	26.6	62.7	86	67.5	63	0.26	151	N.	5.0	S.E.	11.2	1.2	1.8	2.0	2.1	0.4	0.3
18 ..	957	.964	.921	75.0	68.1	82.5	84.5	67.1	17.4	91.5	26	56.9	2	34.6	62.8	83	66.6	59	0.58	203	N.N.E.	6.2	S.E.	14.9	1.6	1.4	0.7	1.6	1.2	0.5
19 ..	930	.941	.892	76.7	70.0	83.6	85.7	69.4	16.3	88.9	20	65.3	5	23.6	66.2	88	69.7	63	2.17	174	N.	5.7	S.E.	11.6	2.1	2.3	1.1	2.8	0.3	0.4
20 ..	994	.012	.947	76.6	68.5	85.0	87.3	67.7	19.6	91.5	23	64.6	9	26.9	63.5	84	67.5	56	0.07	175	N.	5.4	S.E.	13.3	0.6	1.6	0.5	2.3	0.1	0.0
21 ..	982	.993	.943	76.9	70.7	83.4	85.9	69.5	16.4	89.4	29	65.9	24	23.5	65.9	84	72.7	63	1.40	163	N.	6.4	S.E.	12.6	3.0	3.1	1.2	1.4	0.8	1.2
1922 ..	957	.971	.916	76.2	68.9	83.7	86.0	68.1	17.9	89.5	30	64.6	3	24.9	64.0	81	67.8	60	0.35	161	N.N.E.	5.1	S.E.	13.0	0.8	1.5	0.8	2.0	3.1	0.9
Means	971	.982	.932	75.8	69.2	82.2	85.9	67.9	18.0	89.7	..	63.7	..	26.0	64.1	84	68.4	63	0.80	161	N.N.E.	5.2	S.E.	11.6	1.6	2.0	0.9	2.3	1.1	0.5

TABLE I.—Summary of Monthly Means for period 1908-1922 (15-years)—*Contd.*

FEBRUARY.

Year.	Bar. Pressure.			Temperatures.										Dewpoint and Humidity.				Rainfall.	Miles of Wind.	Wind: from and Miles per hour.				Clouds in Tenths.					
				Means.						Extremes.				7 a.m.		3 p.m.				7 a.m.		3 p.m.		Lower.		Middle		Upper.	
	Mean	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range										7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ins. 29 or 30	ins. 29 or 20	ins. 29 or 30	°	°	°	°	°	°	°		°		°		°		ins.											
1908 ..	995	.002	960	75.8	69.9	81.3	86.4	67.9	18.8	89.1	4	64.6	16	24.5	63.7	81	60.2	67	1.29	151	N.	4.0	S.E.	10.5	1.2	1.5	0.0	3.2	2.4	0.3
09 ..	994	.009	952	75.6	69.1	81.6	86.5	67.1	19.4	89.5	21	64.2	8	25.3	61.1	76	66.6	61	0.03	148	N.	4.2	S.E.	11.4	0.5	0.3	2.0	2.5	3.0	0.6
10 ..	020	.037	975	74.1	68.0	80.2	84.7	65.5	19.2	87.6	22	60.4	5	27.2	61.7	80	65.1	60	0.02	146	N.	4.0	S.E.	10.4	3.0	0.6	1.4	2.2	1.9	1.0
11 ..	978	.988	939	75.2	68.2	81.9	87.0	65.9	21.1	89.3	14	63.0	19	26.3	58.9	72	63.8	54	0.03	144	N.	5.1	S.S.E.	9.7	0.7	2.3	0.7	3.1	1.0	0.2
12 ..	956	.961	923	75.9	69.8	81.6	85.6	68.5	17.1	90.8	23	61.2	9	29.6	64.7	83	71.5	72	0.74	242	N.N.E.	6.8	S.E.	14.7	1.5	3.0	0.7	1.9	0.4	0.3
13 ..	995	.005	958	75.6	69.5	81.8	86.0	67.2	18.8	89.3	6	61.1	14	28.2	63.3	81	68.8	65	0.06	188	N.	4.5	S.E.	13.3	2.0	4.9	1.1	1.6	0.1	0.3
14 ..	979	.993	938	76.8	70.0	83.5	87.2	68.5	18.7	91.4	9	61.7	23	29.7	62.6	77	65.1	54	0.28	210	N.	5.6	S.E.	15.2	1.0	2.9	1.8	2.7	0.4	0.2
15 ..	942	.953	904	75.9	69.5	82.0	86.0	68.4	17.6	88.5	4	65.1	13	23.4	64.5	84	69.2	65	0.83	180	N.	5.3	S.E.	12.5	0.4	2.9	0.9	2.2	0.7	0.6
16 ..	972	.980	937	74.9	69.1	80.6	84.6	67.6	17.0	89.2	25	63.2	4	26.0	64.3	85	67.5	65	0.57	166	N.	5.7	S.E.	10.6	2.7	4.3	2.1	1.9	0.7	0.3
17 ..	046	.053	010	74.4	67.2	81.4	84.9	66.2	18.7	87.8	20	63.5	24	24.3	62.3	84	67.0	62	0.16	173	N.	5.6	S.E.	14.8	1.5	2.1	0.8	2.8	0.1	0.1
18 ..	995	.004	958	75.3	68.3	82.3	85.0	67.6	17.4	88.8	28	64.6	21	24.2	63.6	85	67.3	61	0.52	175	N.	4.6	S.E.	14.3	2.2	3.1	1.4	2.2	0.0	0.4
19 ..	960	.973	920	76.8	69.4	83.7	87.0	69.1	17.9	91.5	19	62.6	13	28.9	64.7	85	69.2	62	0.34	194	N.N.E.	5.1	S.E.	16.4	0.5	1.0	0.5	2.6	0.8	0.2
20 ..	938	.953	895	76.6	69.6	83.3	86.6	68.7	17.9	90.0	28	63.9	7	26.1	64.8	85	68.4	61	1.26	181	N.N.E.	5.4	S.E.	11.8	0.4	2.2	1.1	1.9	0.0	0.1
21 ..	978	.988	940	76.3	69.5	82.9	86.3	68.5	17.8	90.0	26	66.6	11	23.4	65.3	86	68.9	62	0.56	165	N.E.	6.0	S.E.	13.5	1.1	3.8	1.1	2.8	2.1	1.1
1922	984	.999	941	75.9	68.8	83.1	85.8	67.8	18.0	89.4	27	65.9	10	23.5	64.5	83	67.3	59	0.45	196	N.N.E.	5.0	S.E.	16.9	1.4	3.4	0.2	2.6	0.0	0.7
Means	.982	.993	.943	75.7	69.1	82.1	86.0	67.6	18.4	89.5	..	63.4	..	26.1	63.3	82	67.7	62	0.48	177	N.	5.1	S.E.	13.1	1.3	2.6	1.1	2.4	0.9	0.4

TABLE I—Summary of Monthly Means for period 1908-1922 (15 years)—*Contd.*

MARCH.

Year.	Bar. Pressure.			Temperatures.										Dewpoint and Humidity.				Rainfall.	Miles of Wind	Wind: from and miles per hour.				Clouds in Tenths.					
				Means.						Extremes.					7 a.m.		3 p.m.				7 a.m.		3 p.m.		Lower.		Middle.		Upper.	
	Mean.	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range											7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ins. 29 or 30	ins. 29 or 30	ins. 29 or 30	°	°	°	°	°	°	°		°		°	°	%	°	%	ins.										
1908 ..	982	.992	.952	77.2	71.8	83.4	87.1	68.3	18.8	91.8	9	63.3	6	28.5	65.5	81	72.5	70	1.27	157	N.	4.3	S.E.	10.9	0.4	1.0	1.0	3.5	2.9	0.4
09 ..	915	.936	.876	77.8	72.8	84.0	87.6	68.9	18.7	90.8	15	67.2	3	23.6	63.6	73	68.1	59	0.82	152	N.	3.8	S.E.	11.8	1.5	1.0	0.5	1.5	2.4	0.2
10 ..	952	.968	.917	74.7	69.5	80.6	84.7	66.2	18.5	88.1	1	62.1	9	26.0	61.8	77	65.5	60	1.45	135	N.	4.6	S.E.	8.2	1.3	1.0	0.0	3.4	2.4	0.0
11 ..	000	.009	.972	75.2	69.9	80.9	85.8	66.3	19.5	88.6	6	63.2	7	25.4	62.8	78	66.6	62	2.05	150	N.	4.2	S.E.	11.5	0.0	3.5	0.7	2.3	1.0	0.5
12 ..	968	.983	.933	77.1	72.5	81.8	86.5	69.5	17.0	88.5	16	67.1	2	21.4	66.2	80	70.4	69	0.56	229	N.E.	5.1	S.E.	17.5	1.9	3.5	0.7	5.2	0.3	0.5
13 ..	997	.017	.958	77.3	72.8	82.7	86.5	69.3	17.2	90.2	2	66.1	3	24.1	65.3	77	67.5	60	0.47	264	E.	6.2	S.E.	19.8	2.4	3.1	1.1	1.9	0.3	0.1
14 ..	971	.987	.936	77.4	71.5	83.9	87.3	69.0	18.3	90.3	10	65.4	4	24.9	64.5	79	67.0	57	0.56	178	N.	4.7	S.E.	11.6	1.4	2.7	2.0	3.8	0.1	0.4
15 ..	919	.934	.885	78.2	72.5	84.4	87.4	70.5	16.9	89.7	26	67.3	10	22.4	66.8	82	71.5	65	0.58	183	N.N.E.	5.3	S.E.	13.0	1.2	2.5	0.8	2.6	1.7	0.4
16 ..	962	.975	.930	76.3	70.1	82.9	86.1	68.3	17.8	88.7	24	65.4	4	23.3	64.3	82	67.2	60	0.79	183	N.	5.5	S.E.	13.5	1.0	3.1	1.3	1.7	1.6	1.0
17 ..	003	.018	.969	75.4	68.5	82.3	86.2	66.6	19.6	89.0	19	63.3	6	25.7	63.0	83	67.1	60	0.07	211	N.	4.6	S.E.	19.2	1.8	2.4	1.2	2.4	0.4	0.2
18 ..	981	.993	.950	75.3	69.3	80.8	85.3	67.6	17.7	87.5	9	65.3	7	22.2	64.6	85	68.0	66	1.02	170	N.	4.6	S.E.	13.2	1.0	4.6	0.2	2.1	0.3	0.6
19 ..	966	.985	.928	77.1	70.8	83.4	86.7	69.3	17.4	90.3	1	64.9	21	25.4	65.4	83	69.2	63	1.95	196	N.	5.0	S.E.	15.1	1.1	2.0	1.4	2.6	0.6	0.8
20 ..	972	.991	.935	77.0	71.2	82.4	87.0	69.3	17.7	90.2	10	65.1	21	25.1	66.3	85	69.6	66	0.34	196	N.	5.1	S.E.	14.2	1.2	3.3	0.9	1.8	0.3	0.0
21 ..	975	.991	.940	76.5	70.3	82.4	86.9	68.5	18.4	90.3	27	65.5	17	24.8	65.6	86	68.2	62	1.42	171	N.N.E.	4.0	S.E.	14.0	1.1	4.5	1.6	2.5	0.6	0.9
1922 ..	985	.003	.948	76.3	69.7	82.8	86.7	67.9	18.8	89.2	12	65.1	2	24.1	65.0	85	68.4	62	0.82	198	N.N.E.	5.5	S.E.	16.4	1.3	3.4	1.6	4.0	0.7	0.5
Means	969	.985	.935	76.6	70.9	82.6	86.5	68.4	18.1	89.5	..	65.0	..	24.5	64.7	81	68.5	63	0.94	185	N.N.E.	4.8	S.E.	14.0	1.2	2.8	1.0	2.8	1.0	0.4

TABLE I.—Summary of Monthly Means for period 1908-1922 (15-years)—*Contd.*

APRIL.

Year.	Bar. Pressure.			Temperatures.											Dewpoint and Humidity.				Rainfall.	Miels of Wind.	Wind: from and Miles per hour.				Clouds in Tenths.					
				Means.					Extremes.																Lower.		Middle.		Upper.	
	Mean	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range	7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ins. 29 or 30	ins. 29 or 30	ins. 29 or 30	°	°	°	°	°	°	°		°		°	°	%	°	%	ins.										
1908 ..	961	.977	.931	78.2	75.9	82.2	87.0	69.8	17.2	89.4	23	66.8	2	22.6	66.0	72	70.5	68	0.30	167	N.	2.9	S.E.	12.2	0.7	1.1	0.2	4.1	3.2	0.2
09 ..	962	.985	.923	78.9	75.7	83.6	87.7	70.5	17.2	93.5	4	66.2	8	27.3	66.5	73	67.7	63	1.61	156	N.E.	3.4	S.E.	12.2	1.8	0.6	0.6	4.4	1.8	0.5
10 ..	950	.969	.916	77.8	74.4	83.0	87.0	68.8	18.2	91.3	28	64.5	1	26.8	64.9	72	67.8	60	1.53	150	N.	3.8	S.E.	11.8	0.4	0.2	2.1	3.5	2.6	1.3
11 ..	938	.956	.905	78.6	75.8	82.9	88.1	69.4	18.7	91.8	22	66.0	2	25.8	65.8	71	69.0	63	1.36	195	N.N.E.	4.2	S.E.	15.5	0.5	3.4	1.0	2.0	0.4	0.7
12 ..	970	.990	.936	78.9	75.6	83.5	87.7	70.7	17.0	90.5	5	68.1	7	22.4	67.9	77	70.2	64	0.51	201	N.N.E.	3.7	S.E.	14.9	1.0	4.2	0.7	2.0	0.4	0.5
13 ..	939	.956	.906	76.5	72.9	80.8	84.9	69.5	15.4	86.9	1	66.4	23	20.5	67.7	84	72.1	75	2.57	175	N.N.E.	4.8	S.E.	12.1	1.8	4.7	1.2	1.3	1.4	0.9
14 ..	944	.960	.914	78.7	74.9	83.1	87.3	71.4	15.9	90.3	26	68.6	1	21.7	67.2	77	69.8	64	0.95	198	N.E.	4.5	S.E.	14.2	0.8	4.6	0.8	1.5	3.5	1.5
15 ..	884	.895	.858	78.0	73.7	83.1	86.6	70.7	15.9	90.4	7	67.1	30	23.3	67.3	80	70.4	66	5.08	190	N.	6.2	S.E.	10.9	1.1	2.9	1.3	2.0	2.0	1.9
16 ..	932	.946	.903	78.2	74.1	82.8	86.7	71.2	15.5	90.3	10	68.1	9	22.2	68.4	83	69.8	65	2.90	169	N.N.E.	4.8	S.E.	12.4	2.6	4.8	1.2	1.9	1.8	1.2
17 ..	917	.930	.888	77.5	73.1	82.6	86.9	69.5	17.4	90.8	24	66.4	1	24.4	66.5	80	68.6	63	0.97	160	N.	4.4	S.E.	11.0	0.9	3.5	0.8	2.5	0.4	0.8
18 ..	910	.927	.878	77.5	73.2	82.2	86.1	70.4	15.7	88.4	7	67.4	1	21.0	68.3	85	70.3	68	3.16	199	N.	3.6	S.E.	14.6	1.0	3.4	1.1	3.0	0.8	0.5
19 ..	918	.934	.887	79.5	75.5	84.4	87.8	72.3	15.5	91.7	13	68.1	26	23.6	68.8	80	71.1	65	2.40	172	N.	5.1	S.E.	11.2	1.8	2.9	1.3	2.1	1.2	1.9
20 ..	920	.956	.888	79.3	75.7	84.3	87.5	71.7	15.8	90.0	26	67.3	8	22.7	67.0	75	70.2	63	0.00	302	E.S.E.	6.2	S.E.	21.4	0.8	0.6	0.4	0.8	0.6	0.3
21 ..	959	.976	.928	77.6	74.1	81.8	86.7	69.9	16.8	91.3	1	67.1	28	24.2	67.9	81	69.3	66	1.71	166	N.N.E.	4.3	S.E.	13.2	1.0	5.3	1.6	3.0	0.5	1.0
1922 ..	985	.008	.946	78.0	73.0	83.6	87.8	69.6	18.2	91.4	15	65.1	1	26.3	66.4	76	69.1	62	0.10	229	N.N.E.	4.4	S.E.	19.9	2.2	3.2	1.1	2.9	0.8	0.3
Means	940	.958	.907	78.2	74.5	82.9	87.1	70.4	16.7	90.5	..	66.9	..	23.6	67.1	78	69.7	65	1.68	189	N.E.	4.4	S.E.	13.8	1.2	3.0	1.0	2.5	1.4	0.9

TABLE I.—Summary of the Monthly Means for period 1907-1922 (15 years)—*Contd.*

MAY.

Year.	Bar. Pressure.		Temperatures.															Dewpoint and Humidity.			Rainfall.	Miles of Wind.	Wind: from and Miles per hour.				Clouds in Tenths.					
			Means.							Extremes.													7 a.m.		3 p.m.		Lower.		Middle.		Upper.	
	Mean.	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.	7 a.m.		3 p.m.										7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ins. 29 or 30	ins. 29 or 30	ins. 29 or 30	°	°	°	°	°	°	°		°		°	°	%	°	%	ins.													
1908 ..	938	.957	.908	80.9	79.6	84.3	88.7	73.0	15.7	92.1	19	70.0	24	22.1	67.8	67	70.0	62	1.61	203	N.	3.7	S.E.	15.2	0.3	1.1	2.1	2.3	1.7	2.6
09 ..	905	.925	.874	80.2	78.5	83.6	88.4	72.3	16.1	91.6	7	67.7	3	23.9	68.9	72	72.1	69	1.50	175	N.	4.0	S.E.	13.0	1.4	0.3	0.8	2.5	2.0	1.9
10 ..	953	.975	.921	79.4	77.5	83.0	88.1	71.1	17.0	92.4	29	66.0	1	26.4	67.0	70	70.5	66	1.32	172	N.	3.2	S.E.	12.8	1.2	0.4	1.4	3.4	2.0	1.5
11 ..	886	.897	.865	79.0	77.1	81.8	87.3	71.7	15.6	91.3	30	68.8	14	22.5	69.6	78	71.1	70	1.92	179	N.E.	4.6	S.E.	12.8	1.5	4.4	1.2	1.6	1.9	2.9
12 ..	934	.955	.902	80.3	78.1	84.3	87.9	72.9	15.0	89.9	2	70.4	1	19.5	69.3	74	72.4	68	0.27	244	N.N.E.	4.3	S.E.	19.3	0.7	4.0	0.8	1.7	0.8	1.0
13 ..	934	.950	.907	78.2	74.5	83.7	86.1	70.4	15.7	88.3	22	65.8	6	22.5	68.6	82	70.3	64	3.05	169	N.N.E.	4.4	S.E.	12.1	2.4	4.2	0.9	2.0	1.7	1.7
14 ..	933	.952	.904	81.1	78.6	85.0	89.6	73.0	16.6	93.8	27	70.6	2	23.2	69.0	72	71.3	64	0.80	223	N.	4.3	S.E.	18.7	0.6	4.6	1.1	1.2	2.0	1.0
15 ..	889	.904	.863	80.4	77.8	84.7	87.6	73.5	14.1	91.0	7	67.9	1	23.1	71.2	80	74.3	71	3.08	237	N.E.	5.6	S.E.	17.8	1.1	2.3	1.7	2.3	1.2	1.7
16 ..	901	.917	.874	78.8	75.8	82.8	86.5	72.4	14.1	91.2	20	70.1	6	21.1	71.2	86	72.3	71	11.92	180	E.N.E.	5.6	S.E.	12.0	2.3	4.2	0.9	1.4	1.9	2.3
17 ..	918	.936	.890	79.9	77.2	83.5	88.3	72.5	15.8	92.7	25	69.6	1	23.1	69.4	77	71.7	68	1.90	204	N.N.E.	5.3	S.E.	14.3	0.9	2.5	0.9	2.8	0.6	0.5
18 ..	922	.935	.899	77.8	75.0	80.5	86.3	71.2	15.1	90.6	17	68.6	14	22.0	70.3	85	71.8	75	3.44	167	N.N.E.	5.0	S.E.	10.9	2.2	5.9	0.8	1.2	2.5	2.2
19 ..	898	.919	.867	80.2	77.9	84.0	87.0	73.8	13.2	91.5	6	71.1	1	20.4	72.0	82	73.0	70	6.81	251	E.	5.9	S.E.	18.5	2.3	2.6	1.2	1.4	2.5	2.7
20 ..	893	.911	.864	79.4	76.7	83.1	87.4	72.2	15.2	89.9	30	69.1	3	20.8	70.2	81	71.3	68	3.46	191	N.N.E.	3.4	S.E.	15.2	1.3	2.4	1.1	2.1	1.9	2.9
21 ..	901	.919	.872	79.4	77.2	83.4	86.8	72.2	14.6	91.5	10	69.6	7	21.9	69.4	77	70.6	66	5.61	190	E.N.E.	5.9	S.E.	14.7	1.4	2.0	0.6	1.5	3.3	2.3
1922 ..	909	.929	.879	80.4	78.5	84.1	88.1	72.9	15.2	91.5	6	69.7	3	21.8	69.9	75	73.5	71	0.28	286	E.	7.2	S.E.	19.9	2.0	3.8	1.1	1.2	2.3	1.6
Means.	914	.932	.886	79.6	77.3	83.4	87.6	72.3	15.3	91.3	..	69.0	..	22.3	69.6	77	71.7	68	3.13	205	N.E.	4.8	S.E.	15.1	1.4	3.0	1.1	1.9	1.9	1.9

TABLE I.—**Summary of Monthly Means for period 1908-1922 (15 years)**—*Contd.*

JUNE.

Year.	Bar. Pressure.			Temperatures.											Dewpoint and Humidity.				Rainfall.	Miles of Wind.	Wind: from and Miles per hour.				Clouds in Tenths.					
				Means.						Extremes.															Lower.		Middle.		Upper.	
	Mean	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range	7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ins. 29 or 30	ins. 29 or 30	ins. 29 or 30	°	°	°	°	°	°	°		°		°	°	%	°	%	ins.											
1908 ..	952	.964	.927	80.1	77.8	83.9	87.8	72.8	15.0	91.6	11	68.5	3	23.1	69.5	76	72.1	68	6.93	209	N.	4.6	S.E.	16.4	1.5	0.7	3.2	1.0	2.0	3.7
09 ..	938	.952	.909	81.2	79.3	84.7	89.0	73.6	15.4	91.7	4	68.8	28	22.9	70.9	76	75.0	73	4.74	191	E.	4.5	S.E.	13.6	0.8	0.9	3.0	2.3	1.4	3.7
10 ..	954	.963	.932	79.7	77.9	83.4	87.7	72.0	15.7	91.4	20	68.5	6	22.9	69.5	75	71.4	67	5.09	185	N.E.	4.5	S.E.	13.7	1.1	0.3	2.6	1.7	1.5	2.8
11 ..	950	.961	.924	82.7	80.7	86.9	90.6	74.8	15.8	95.2	25	72.4	27	22.8	70.5	71	72.8	63	0.37	293	E.	7.4	S.E.	20.5	1.4	2.0	0.5	1.5	2.9	3.5
12 ..	955	.970	.926	82.2	79.7	86.3	89.8	75.2	14.6	92.0	30	72.1	19	19.9	70.3	73	72.1	63	0.08	312	E.S.E.	7.1	S.E.	25.7	1.1	3.0	1.5	1.1	1.8	1.0
13 ..	947	.957	.923	80.4	77.4	84.7	88.4	73.2	15.2	90.7	23	70.8	5	19.9	69.2	76	71.0	64	0.48	273	E.	6.6	S.E.	17.9	1.8	2.9	1.8	1.0	1.9	3.6
14 ..	946	.957	.922	81.4	78.1	85.7	90.3	73.7	16.6	92.6	26	70.1	9	22.5	69.5	75	71.4	63	0.60	240	N.	5.0	S.E.	17.3	0.6	2.4	1.1	1.8	1.2	2.3
15 ..	896	.902	.876	81.2	78.3	84.6	89.5	74.6	14.9	94.3	27	71.9	20	22.4	73.3	85	76.0	76	14.51	206	E.N.E.	5.3	S.E.	13.9	1.6	3.1	0.7	2.1	2.8	2.2
16 ..	903	.909	.882	80.4	77.0	83.9	89.4	73.5	15.9	94.1	22	71.3	2	22.8	70.5	80	72.6	69	1.53	196	N.N.E.	6.1	S.E.	14.6	1.0	4.0	0.5	1.1	3.8	2.5
17 ..	946	.954	.925	79.8	75.9	83.9	88.4	72.8	15.6	94.2	12	70.6	3	23.6	69.7	81	71.5	66	3.24	201	N.	4.0	S.E.	15.0	0.6	3.7	2.2	1.8	4.4	2.0
18 ..	913	.921	.890	79.7	76.5	84.0	87.6	73.8	14.8	92.0	28	69.6	25	22.4	70.6	82	71.5	66	0.84	213	E.N.E.	5.7	S.E.	15.8	1.6	2.7	1.1	1.6	2.1	3.3
19 ..	918	.932	.890	81.2	78.1	85.4	88.8	74.4	14.4	92.1	10	72.2	25	19.9	71.5	80	72.9	67	0.68	262	E.	6.5	S.E.	20.1	1.0	0.8	1.2	1.4	3.5	5.3
20 ..	928	.946	.896	80.3	76.8	84.4	89.0	73.1	15.9	92.1	16	70.4	14	21.7	69.8	79	72.4	68	0.00	256	N.N.E.	4.3	S.E.	20.4	0.8	2.7	1.7	2.3	3.3	3.7
21 ..	914	.925	.889	80.4	78.0	84.1	87.9	73.6	14.3	92.5	22	71.6	3	20.9	70.9	80	71.8	67	2.21	243	E.N.E.	6.6	S.E.	17.6	1.4	2.1	0.7	1.9	4.4	4.0
1922 ..	941	.956	.911	80.0	74.9	85.7	88.9	72.5	16.4	91.9	10	70.1	4	21.8	68.9	82	70.6	61	0.94	238	N.E.	4.7	S.E.	20.0	0.2	3.0	0.9	1.4	2.7	2.4
Means..	.933	.945	.908	80.7	77.8	84.8	88.9	73.5	15.4	92.6	..	70.6	..	22.0	70.3	78	72.3	67	2.82	235	E.N.E.	5.5	S.E.	17.5	1.1	2.3	1.5	1.6	2.6	3.1

TABLE I.—Summary of Monthly Means for period 1908-1922 (15 years)—*Contd.*

JULY.

Year.	Bar. Pressure.			Temperatures.											Dewpoint and Humidity.				Rainfall.	Miles of Wind.	Wind: from and Miles per hour.				Clouds in Tenths.					
				Means.						Extremes.															Lower.		Middle.		Upper.	
	Mean.	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.	7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ins. 29 or 30	ins. 29 or 30	ins. 29 or 30	°	°	°	°	°	°	°		°		°	°	%	°	%	ins.										
1908 ..	976	.981	.947	81.0	77.5	85.3	90.0	73.2	16.8	92.9	6	69.9	10	23.0	69.7	77	71.7	64	0.95	169	N.	3.6	S.E.	14.3	0.5	1.0	2.0	0.7	2.4	3.5
09 ..	966	.972	.937	80.9	77.8	85.3	89.5	73.0	16.5	92.9	12	70.0	13	22.9	70.9	79	74.1	69	1.60	183	N.E.	3.9	S.E.	13.5	0.7	0.4	2.4	1.8	1.3	2.4
10 ..	960	.972	.937	80.8	77.9	85.2	89.7	72.3	17.4	92.3	27	70.7	11	21.6	66.6	68	71.0	63	1.49	177	N.E.	4.1	S.E.	15.3	0.2	0.4	2.5	1.1	2.7	3.7
11 ..	974	.987	.937	82.2	79.2	86.7	91.6	73.7	17.9	94.7	19	70.6	19	24.1	71.6	78	70.3	58	0.35	243	N.E.	4.1	S.E.	21.2	0.3	2.5	0.6	1.3	3.3	3.5
12 ..	959	.970	.924	82.1	78.4	87.0	90.9	74.0	16.9	93.2	29	72.7	24	20.5	68.9	73	72.7	63	0.02	244	N.N.E.	4.1	S.E.	19.2	0.7	3.5	1.0	1.1	1.0	1.7
13 ..	982	.990	.951	80.3	76.4	84.9	89.7	72.3	17.4	92.9	24	68.1	4	24.8	67.9	75	71.7	65	1.82	233	N.E.	4.8	S.E.	18.9	1.3	2.6	0.8	0.8	2 1	3.6
14 ..	969	.982	.931	82.5	78.7	87.4	91.6	74.3	17.3	95.3	28	71.6	30	23.7	68.3	70	71.0	58	0.18	283	N.N.E.	3.7	S.E.	21.9	0.6	1.1	0.7	2.0	1.5	1.4
15 ..	940	.948	.909	81.7	77.6	86.3	90.8	74.3	16.5	92.8	16	69.5	11	23.3	71.2	81	73.6	66	0.42	217	N.E.	4.5	S.E.	18.4	0.8	1.8	1.5	2.0	3.5	3.5
16 ..	915	.909	.897	79.9	76.6	83.7	88.1	73.1	15.0	92.5	20	69.3	24	23.2	71.0	83	73.6	72	3.94	197	N.E.	5.8	S.E.	12.8	1.4	3.3	1.5	1.3	1.9	2.4
17 ..	962	.965	.935	80.6	76.3	85.1	89.8	73.3	16.5	93.4	19	71.4	6	22.0	69.3	79	71.4	64	0.96	215	E.	5.9	S.E.	16.5	1.4	2.5	1.5	2.0	2.0	2.6
18 ..	943	.951	.911	81.4	77.3	86.8	90.0	73.5	16.5	92.7	11	70.6	9	22.1	69.7	78	71.7	61	0.24	250	N.E.	5.5	S.E.	18.9	0.3	0.6	0.8	1.5	1.8	3.7
19 ..	959	.966	.927	81.7	77.7	86.4	90.6	74.0	16.6	95.2	27	71.8	15	23.4	70.9	80	73.6	66	0.60	216	N.	4.3	S.E.	18.0	0.4	1.8	0.8	1.5	3.5	2.8
20 ..	984	.002	.943	82.1	78.0	87.2	90.8	74.2	16.6	95.4	15	71.2	12	24.2	68.4	73	70.1	57	0.53	273	N.N.E.	5.1	S.E.	23.5	0.6	1.4	0.8	1.2	4.1	2.6
21 ..	969	.981	.933	80.8	77.1	85.1	89.3	73.5	15.8	92.7	25	69.4	5	23.3	69.4	78	71.5	64	1.21	242	N.E.	5.7	S.E.	19.7	1.0	1.4	0.9	2.0	3.1	4.7
1922 ..	987	.005	.945	81.5	75.1	88.6	90.6	73.6	17.0	94.0	26	70.6	6	23.4	69.3	82	72.6	60	0.39	265	N.	3.7	S.E.	22.3	0.2	1.8	0.4	1.7	2.7	2.0
Means.	963	.972	.931	81.3	77.4	86.1	90.2	73.5	16.7	93.5	..	70.5	..	23.0	69.5	77	72.0	63	0.96	227	N.E.	4.6	S.E.	18.3	0.7	1.7	1.2	1.5	2.5	2.9

TABLE I.—Summary of Monthly Means for period 1908-1922 (15 years)—*Contd.*

AUGUST.

Year.	Bar. Pressure.			Temperatures.																Rainfall.	Miles of Wind.	Wind: from and Miles per hour.				Clouds in Tenths.					
				Means.					Extremes.						Dewpoint and Humidity.										Lower.		Middle.		Upper.	
	Mean.	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range.	7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
																%		%												
	ins. 29 or 30	ins. 29 or 30	ins. 29 or 30	°	°	°	°	°	°	°		°		°	°		°		ins.											
1908 ..	951	.952	.927	81.5	78.8	84.5	90.7	74.1	16.6	93.1	4	71.9	17	21.2	68.3	70	73.5	70	1.41	162	N.	3.8	S.E.	12.0	0.4	0.9	2.0	3.2	1.8	2.8
09 ..	915	.916	.890	80.4	77.6	84.3	88.8	73.1	15.7	92.8	22	69.9	25	22.9	70.7	79	74.3	72	4.11	152	N.E.	4.4	S.E.	9.9	2.0	0.3	2.3	1.5	1.8	4.4
10 ..	929	.931	.902	80.9	78.1	84.5	89.7	73.4	16.3	94.1	21	70.9	8	23.2	70.2	77	72.7	68	3.39	136	N.E.	3.5	S.E.	9.8	1.2	0.4	2.8	2.8	2.5	2.6
11 ..	924	.935	.889	81.9	78.1	86.0	91.7	73.9	17.8	95.0	15	69.9	29	25.1	68.5	73	72.8	65	1.48	226	N.	3.7	S.E.	20.1	0.4	3.4	0.2	1.9	3.3	1.5
12 ..	940	.953	.903	81.5	77.9	85.3	90.7	74.0	16.7	95.0	5	70.9	13	24.1	69.1	74	72.3	65	1.13	248	N.N.E.	4.8	S.E.	18.3	0.6	3.1	0.7	2.0	2.1	2.2
13 ..	939	.949	.905	80.7	76.8	84.9	89.8	73.2	16.6	93.2	26	70.8	19	22.4	69.5	78	72.7	67	1.08	219	N.E.	4.3	S.E.	17.1	0.6	2.3	1.3	1.4	2.2	2.8
14 ..	953	.966	.916	81.5	77.7	85.7	90.7	74.1	16.6	94.0	9	72.2	26	21.8	70.3	78	73.2	66	0.80	232	N.N.E.	3.6	S.E.	19.7	0.4	3.0	1.4	1.6	2.4	1.3
15 ..	889	.891	.864	81.4	77.6	85.5	90.1	74.6	15.5	93.5	3	71.6	17	21.9	71.2	81	74.0	69	6.24	207	E.N.E.	6.7	S.E.	14.4	1.2	4.0	1.0	1.8	3.0	2.0
16 ..	918	.921	.890	80.0	76.0	83.8	88.6	73.5	15.1	92.7	17	70.2	22	22.5	71.6	86	73.3	71	5.92	216	E.	6.6	S.E.	14.5	1.7	3.6	0.5	1.7	3.7	2.6
17 ..	960	.969	.927	80.3	75.2	85.1	89.7	73.3	16.4	91.8	25	70.5	25	21.3	69.9	84	72.4	66	1.15	184	N.E.	4.1	S.E.	14.6	0.4	2.8	1.1	1.7	3.3	3.6
18 ..	941	.949	.909	81.3	77.1	86.4	90.1	73.6	16.5	94.2	2	69.8	5	24.4	70.4	80	72.7	65	2.87	220	N.N.E.	4.6	S.E.	17.4	0.4	2.5	1.1	1.3	3.0	2.4
19 ..	964	.978	.926	82.4	77.6	87.7	91.8	74.5	17.3	97.5	9	71.3	30	26.2	69.9	77	72.8	62	0.89	233	N.E.	4.1	S.E.	19.0	0.5	2.4	0.3	1.8	3.2	2.1
20 ..	950	.963	.914	80.5	75.9	85.5	89.7	73.0	16.7	93.1	5	70.5	7	22.6	70.0	82	72.9	67	0.99	197	N.	4.1	S.E.	17.0	1.0	3.4	0.9	1.9	1.8	2.4
21 ..	951	.959	.919	80.1	75.3	83.9	90.2	73.0	17.2	92.6	22	71.1	25	21.5	69.4	82	72.1	68	1.22	175	N.	5.0	S.E.	15.5	1.5	3.9	1.5	2.2	1.7	2.7
1922 ..	921	.936	.881	80.2	74.5	85.7	89.2	73.2	16.0	91.6	10	70.1	22	21.5	70.6	88	73.8	68	2.15	179	N.N.E.	3.9	S.E.	16.2	0.5	3.9	0.9	0.9	3.2	1.7
Means.	936	.945	.904	81.0	76.9	85.3	90.1	73.6	16.5	93.6	..	70.8	..	22.8	70.0	79	73.0	67	2.32	199	N.E.	4.5	S.E.	15.7	0.8	2.7	1.2	1.8	2.6	2.5

TABLE I.—Summary of Monthly Means for period 1908-1922 (15-years)—*Contd.*

SEPTEMBER.

Year.	Bar. Pressure.			Temperatures.													Dewpoint and Humidity.				Rainfall.	Miles of Wind.	Wind: from and Miles per hour				Clouds in Tenths.					
				Means.					Extremes.																		Lower.		Middle.		Upper.	
	Mean.	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range	7 a.m.		3 p.m.						7 a.m.		3 p.m.		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ins. 29 or 30	ins. 29 or 30	ins. 29 or 30	°	°	°	°	°	°	°		°		°	°	%	°	%	ins.											
1908 ..	870	.878	.839	81.9	79.0	85.1	91.2	74.2	17.0	93.9	9	71.6	4	22.3	70.2	75	72.7	67	0.64	139	N.	2.8	S.E.	10.3	0.9	0.5	3.6	3.2	1.6	3.1	
09 ..	864	.870	.836	79.7	76.9	82.4	88.3	73.0	15.3	92.3	13	71.4	22	20.9	71.5	84	73.7	75	10.27	126	N.E.	4.4	S.E.	8.1	2.0	0.9	2.7	3.6	1.7	3.5	
10 ..	898	.901	.871	80.2	77.0	83.9	89.3	72.5	16.8	91.9	1	70.9	30	21.0	70.0	79	74.1	73	5.12	127	N.E.	3.3	S.E.	8.9	0.7	1.1	2.5	3.0	1.7	3.5	
11 ..	898	.911	.862	82.1	78.4	85.6	92.2	74.3	17.9	95.2	21	71.3	12	23.9	70.6	77	75.0	71	0.86	196	N.	4.2	S.E.	16.5	0.6	3.0	0.9	2.2	2.9	2.3	
12 ..	895	.910	.858	80.9	77.1	84.2	90.4	73.9	16.5	92.7	7	71.8	1	20.9	70.1	79	73.2	70	1.58	177	N.N.E.	3.6	S.E.	13.0	0.3	4.8	0.3	1.1	3.2	2.0	
13 ..	895	.908	.859	80.0	75.9	83.6	89.3	73.1	16.2	93.5	21	69.4	12	24.1	70.1	82	73.6	72	3.57	185	N.	4.3	S.E.	15.3	2.5	4.4	0.3	0.9	3.0	2.9	
14 ..	908	.918	.874	81.6	77.3	86.2	90.8	74.2	16.6	94.6	9	72.7	1	21.9	70.0	78	73.5	66	0.82	216	N.E.	3.7	S.E.	18.4	1.1	2.2	0.8	1.9	2.3	2.5	
15 ..	856	.861	.828	80.6	77.1	84.6	88.7	74.2	14.5	93.0	23	71.6	2	21.4	72.5	86	74.4	72	11.90	173	N.E.	5.7	S.E.	9.2	1.6	3.7	1.6	1.9	2.4	2.4	
16 ..	885	.892	.856	80.2	75.8	84.4	89.6	73.1	16.5	92.3	15	70.0	2	22.3	71.7	87	73.5	70	0.97	139	N.	4.1	S.E.	8.2	0.7	3.4	0.5	2.0	2.9	2.5	
17 ..	897	.900	.870	79.2	75.1	83.6	87.4	72.6	14.8	91.2	5	70.3	11	20.9	71.7	87	73.3	71	8.00	203	E.	6.9	S.E.	13.4	1.4	4.4	1.4	4.5	2.4	2.2	
18 ..	902	.913	.867	81.3	77.5	85.7	90.0	73.9	16.1	91.9	7	71.2	27	20.7	71.3	81	73.5	67	0.30	189	N.N.E.	4.0	S.E.	14.1	0.1	2.8	0.7	1.9	2.6	2.3	
19 ..	872	.885	.837	81.0	76.7	85.3	89.9	74.0	15.9	92.8	4	70.1	20	22.7	71.3	84	73.2	68	1.95	183	N.E.	4.0	S.E.	12.6	0.7	3.3	0.8	1.4	3.4	3.4	
20 ..	906	.915	.873	80.6	76.7	83.6	90.3	73.7	16.6	93.6	14	71.8	13	21.8	70.8	82	73.4	72	0.84	181	N.	4.6	S.E.	12.1	0.5	3.3	0.9	1.2	2.5	4.1	
21 ..	908	.916	.877	79.5	75.0	82.6	89.8	72.4	17.4	92.8	7	69.6	23	23.2	71.2	88	73.7	73	5.11	156	N.E.	5.5	S.E.	11.9	1.3	4.7	0.8	1.4	2.7	2.0	
1922 ..	894	.907	.858	80.6	74.6	86.1	90.5	73.3	17.2	93.7	1	71.1	16	21.6	71.0	88	74.1	68	0.71	168	N.E.	3.5	S.E.	12.7	0.3	4.6	0.7	0.7	4.1	2.3	
Means	890	.899	.858	80.6	76.7	84.4	89.8	73.5	16.3	93.0	..	71.0	..	22.0	70.9	82	73.7	70	3.51	164	N.E.	4.3	S.E.	12.2	1.0	3.1	1.2	2.1	2.6	2.7	

TABLE I.—Summary of Monthly Means for period 1908-1922 (15-years)—*Contd.*

OCTOBER.

Year.	Bar. Pressure.			Temperatures.											Dewpoint and Humidity.				Rainfall.	Miles of Wind.	Wind: from and Miles per hour.				Clouds in Tenths.					
				Means.						Extremes.															Lower.		Middle.		Upper.	
	Mean	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range	7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ins. 29 or 30	ins. 29 or 30	ins. 29 or 30	°	°	°	°	°	°	°		°		°	°	%	°	%	ins.											
1908 ..	859	.872	.822	78.7	75.0	81.9	87.5	72.3	15.2	90.8	13	69.6	21	21.2	70.2	85	73.0	75	4.72	128	N.E.	3.4	S.E.	8.8	2.7	1.4	0.6	2.8	3.1	1.6
09 ..	864	.879	.823	79.0	75.7	82.1	87.5	72.8	14.7	91.7	5	70.7	31	21.0	71.4	87	72.9	74	11.74	135	N.E.	4.2	S.E.	9.2	1.3	1.5	3.5	4.3	1.2	2.3
10 ..	872	.881	.839	78.5	75.2	81.5	87.2	72.0	15.2	91.6	3	69.3	26	22.3	70.2	84	72.9	75	11.30	140	N.E.	4.6	S.E.	9.3	3.0	0.5	1.3	5.0	1.1	1.7
11 ..	883	.892	.849	80.9	77.0	83.5	91.7	73.5	18.2	94.9	2	71.9	9	23.0	70.9	82	73.8	73	1.63	153	N.N.E.	4.2	S.E.	10.7	1.0	3.9	0.2	3.0	3.0	1.4
12 ..	851	.866	.810	79.9	75.5	84.0	88.5	73.6	14.9	92.1	6	70.8	18	21.3	70.7	85	73.4	71	1.87	162	N.N.E.	5.3	S.E.	11.1	1.7	3.3	0.6	1.5	2.5	2.7
13 ..	905	.921	.865	79.8	75.2	83.6	89.8	72.5	17.3	92.9	20	69.5	30	23.4	67.8	78	73.3	71	1.41	161	N.	4.5	S.E.	11.3	1.3	3.5	1.1	1.1	1.6	2.4
14 ..	889	.900	.852	80.8	76.6	84.2	90.7	73.9	16.8	94.7	11	69.2	13	25.5	71.0	83	73.3	70	1.58	169	N.E.	4.7	S.E.	12.3	1.2	2.5	0.6	1.7	1.8	3.9
15 ..	853	.867	.814	80.0	75.8	83.9	88.7	73.6	15.1	92.5	15	70.8	20	21.7	71.8	88	74.3	73	10.58	126	N.N.E.	5.0	S.E.	8.4	1.2	2.8	0.7	1.7	3.6	3.4
16 ..	809	.820	.774	78.6	74.5	82.4	86.5	73.1	13.4	91.0	9	70.6	19	20.4	72.3	93	74.4	77	8.17	143	N.	5.0	S.S.E.	7.2	3.2	4.8	0.8	1.5	2.6	1.9
17 ..	898	.911	.859	78.5	73.6	82.9	87.8	71.7	16.1	90.3	6	68.3	24	22.0	69.6	87	73.2	73	2.05	164	N.E.	3.9	S.E.	12.7	0.0	3.2	0.8	1.4	1.4	3.3
18 ..	868	.884	.827	80.0	75.8	84.1	88.5	73.7	14.8	92.3	12	71.6	31	20.7	71.3	86	73.7	71	2.17	148	N.	3.9	S.E.	10.1	1.3	4.4	0.5	0.7	2.9	3.2
19 ..	903	.919	.862	79.5	74.4	84.2	88.6	72.6	16.0	92.5	7	69.6	31	22.9	70.9	89	74.1	72	7.63	157	N.	4.3	S.E.	13.0	0.7	3.7	1.2	1.9	4.1	2.8
20 ..	873	.887	.834	81.3	75.8	86.8	90.8	73.8	17.0	93.8	21	68.3	5	25.5	70.5	84	73.2	64	1.23	164	N.	4.7	S.E.	12.9	1.0	2.6	1.4	1.8	2.3	2.7
21 ..	877	.894	.836	79.6	75.3	84.3	88.1	72.7	15.4	91.6	3	67.9	30	23.7	70.8	86	72.3	68	4.15	184	N.E.	6.5	S.E.	13.3	1.5	2.5	0.7	1.6	2.0	3.3
1922 ..	859	.872	.820	79.6	74.2	85.3	88.5	72.3	16.2	92.1	6	69.4	31	22.7	70.9	89	72.7	61	4.14	187	E.N.E.	5.6	S.E.	13.3	0.7	5.1	0.6	0.6	2.5	0.4
Means	**871**	**.884**	**.832**	**79.6**	**75.3**	**83.6**	**88.7**	**72.9**	**15.8**	**92.3**	.	**69.8**	.	**22.5**	**70.7**	**86**	**73.4**	**71**	**4.96**	**155**	**N.E.**	**4.7**	**S.E.**	**10.9**	**1.5**	**3.0**	**1.0**	**2.0**	**2.4**	**2.8**

TABLE I.—Summary of Monthly Means for period 1908-1922 (15-years)—*Contd.*

NOVEMBER.

Year.	Bar. Pressure.			Temperatures.											Dewpoint and Humidity.				Rainfall.	Miles of Wind.	Wind: from and Miles per hour.				Clouds in Tenths.					
				Means.						Extremes.															Lower.		Middle.		Upper.	
	Mean	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range	7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ins. 29 or 30	ins. 29 or 30	ins. 29 or 30	°	°	°	°	°	°	°		°		°	°	%	°	%	ins.										
1908 ..	911	.927	.871	78.4	73.4	82.4	88.4	71.0	17.4	91.7	27	66.7	30	25.0	67.1	81	70.5	67	1.54	116	N.	4.2	S.E.	6.7	1.1	2.3	0.5	4.8	1.8	0.2
09 ..	874	.888	.837	75.4	71.1	79.6	84.1	68.8	15.3	88.7	1	62.4	30	26.3	66.3	85	69.7	72	30.45	117	N.	5.2	S.E.	5.1	2.3	0.9	1.4	3.1	2.4	1.6
10 ..	893	.902	.860	77.6	73.1	81.4	86.9	71.0	15.9	90.9	6	69.1	5	21.8	67.9	84	71.7	73	1.43	109	N.	4.7	S.E.	5.3	3.1	1.5	2.0	4.7	2.1	1.9
11 ..	891	.908	.850	80.0	75.4	84.4	89.4	72.9	16.5	92.7	7	70.5	28	22.2	70.8	86	72.9	69	1.78	168	N.N.E.	4.5	S.E.	12.2	2.4	2.9	1.7	2.0	0.6	1.5
12 ..	844	.857	.807	78.1	74.3	81.5	85.9	72.6	13.3	90.5	4	69.8	30	20.7	71.0	90	73.4	77	10.68	196	E.N.E.	7.5	S.E.	10.1	2.9	5.8	0.8	1.2	1.6	0.9
13 ..	903	.919	.863	78.4	72.8	83.3	88.1	71.2	16.8	90.2	4	68.2	30	22.0	69.3	89	72.3	70	1.68	136	N.	4.1	S.E.	8.9	1.4	4.0	1.3	1.8	3.1	1.9
14 ..	882	.892	.847	78.9	73.7	83.7	88.2	72.2	16.0	92.0	1	69.8	28	22.2	69.4	86	74.8	75	1.56	128	N.N.E.	4.6	S.E.	7.7	2.2	3.7	1.3	2.2	0.7	1.3
15 ..	906	.916	.873	77.4	72.8	82.1	85.5	71.3	14.2	88.7	23	68.5	9	20.2	69.7	90	72.6	73	4.57	96	N.	3.8	S.E.	5.0	2.4	4.6	0.8	1.4	2.2	1.6
16 ..	858	.869	.822	76.6	72.7	80.5	84.1	71.5	12.6	88.5	6	65.8	28	22.7	70.6	93	72.6	77	11.27	168	E.N.E.	6.2	S.E.	10.6	2.6	4.5	1.8	2.0	1.9	1.6
17 ..	903	.908	.874	77.2	72.2	82.5	85.0	71.2	13.8	89.7	29	68.0	3	21.7	68.9	89	71.0	68	0.66	129	N.	4.5	S.E.	6.9	2.4	5.8	1.6	1.5	2.2	1.4
18 ..	890	.909	.848	78.0	71.8	84.3	87.3	70.7	16.6	90.3	15	66.1	9	24.2	67.8	87	71.3	65	0.71	162	N.	4.5	E.S.E.	10.9	1.0	2.1	1.2	3.2	0.5	1.1
19 ..	890	.914	.854	78.5	72.0	85.0	88.1	70.8	17.3	91.8	26	64.8	12	27.0	68.1	88	71.1	63	0.16	139	N.	4.8	S.S.E.	8.5	0.8	3.1	1.3	1.4	0.5	0.5
20 ..	909	.919	.862	79.4	73.2	85.2	89.1	72.3	16.8	92.4	5	68.8	17	23.6	68.4	85	71.3	64	0.37	180	N.N.E.	5.2	S.E.	13.5	1.8	4.0	0.5	1.1	2.1	1.7
21 ..	934	.955	.890	78.2	71.8	84.6	87.6	70.7	16.9	90.2	9	66.7	17	23.5	67.5	86	71.3	65	0.14	150	N.E.	4.9	S.E.	12.9	1.1	2.7	0.5	2.9	2.2	0.7
1922 ..	904	.919	.864	78.5	71.6	86.0	88.2	70.4	17.8	92.3	17	66.2	20	26.1	67.1	86	70.1	59	0.50	146	N.N.E.	4.7	E.S.E.	9.0	0.7	4.0	1.3	1.8	2.3	1.1
Means	893	.907	.855	78.0	72.8	83.1	87.0	71.2	15.8	90.7	..	67.4	..	23.3	68.7	87	71.8	69	4.50	143	N.E.	4.9	S.E.	8.9	1.9	3.5	1.2	2.3	1.7	1.3

TABLE I.—Summary of Monthly Returns for period 1908-1922 (15-years)—*Contd.*

DECEMBER.

Year.	Bar. Pressure.			Temperatures.											Dewpoint and Humidity.				Rainfall.	Miles of Wind.	Wind: from and Miles per hour.				Clouds in Tenths.					
				Means.				Extremes.																	Lower.		Middle.		Upper.	
	Mean.	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Dge.	Min.	Date.	Range	7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ins. 29 or 30	ins. 29 or 30	ins. 29 or 30	°	°	°	°	°	°	°		°		°		%		%	ins.											
1908 ..	933	.947	.892	77.1	71.0	83.0	87.6	68.6	19.0	91.4	1	64.7	10	26.7	64.0	79	67.6	60	4.83	119	N.	4.1	S.	6.9	1.0	1.0	1.0	1.7	2.0	0.7
09 ..	945	.959	.903	74.6	68.6	80.3	84.9	66.6	18.3	87.8	12	63.5	2	24.3	63.1	83	67.2	64	0.00	129	N.	4.8	S.E.	7.5	1.7	1.1	1.9	3.3	1.3	2.2
10 ..	950	.960	.912	76.0	71.2	80.2	85.5	69.1	16.1	88.9	9	63.9	31	25.0	66.3	84	70.6	73	3.09	115	N.	5.1	S.E.	6.6	1.5	1.5	2.8	3.9	2.1	1.8
11 ..	905	.915	.866	77.4	71.8	82.2	87.6	70.0	17.6	91.8	18	65.5	12	26.3	67.4	86	71.2	70	1.11	172	N.N.E.	5.2	S.E.	10.8	2.6	2.7	0.7	2.1	0.3	0.1
12 ..	937	.952	.895	77.3	71.3	82.6	87.3	69.8	17.5	90.1	30	67.3	31	22.8	67.3	87	70.9	68	0.08	145	N.	4.7	S.E.	10.3	0.9	2.0	0.7	1.7	0.7	0.7
13 ..	942	.951	.905	76.6	70.7	81.6	87.0	69.2	17.8	89.3	22	67.6	2	21.7	65.4	82	69.6	67	0.17	161	N.	5.0	S.E.	11.3	0.7	2.5	1.2	1.5	1.4	1.7
14 ..	912	.928	.879	79.1	73.1	84.5	89.1	71.8	17.3	91.9	24	70.2	26	21.7	67.6	83	71.1	64	0.23	157	N.N.E.	5.0	S.E.	10.5	1.7	1.8	0.5	3.3	0.7	0.4
15 ..	948	.958	.911	77.1	71.4	82.9	85.7	70.4	15.3	88.1	30	67.9	16	20.2	67.5	88	72.1	70	0.56	96	N.	3.8	S.E.	6.4	1.4	2.3	1.3	2.2	3.1	2.0
16 ..	956	.970	.913	74.7	67.9	81.8	84.6	66.5	18.1	88.0	24	61.8	31	26.2	64.0	87	66.8	61	0.02	162	N.N.E.	5.8	S.E.	9.8	1.8	0.9	0.5	2.2	1.1	0.5
17 ..	928	.936	.893	75.1	68.8	81.8	83.7	68.0	15.7	87.2	11	63.1	27	24.1	65.2	88	68.1	63	1.04	153	N.N.E.	5.9	S.E.	8.4	1.3	2.6	1.8	1.6	0.1	0.3
18 ..	943	.958	.900	77.6	70.9	83.8	87.5	70.3	17.2	91.4	10	66.6	27	21.8	66.6	86	70.5	65	0.57	101	N.	4.4	S.E.	13.3	2.5	4.0	1.2	1.6	0.2	0.5
19 ..	958	.971	.917	76.6	70.8	82.5	85.3	69.9	15.4	88.3	22	66.3	27	22.0	67.5	89	70.7	68	2.14	147	N.N.E.	5.6	S.E.	9.6	1.4	2.9	1.5	1.0	0.9	1.0
20 ..	933	.952	.885	78.3	71.5	85.3	88.0	70.4	17.6	91.5	1	67.2	12	24.3	65.7	82	69.4	59	0.02	189	N.E.	4.8	S.E.	16.8	1.3	0.5	0.6	2.9	1.2	0.8
21 ..	948	.965	.904	76.9	69.9	83.9	86.6	69.2	17.4	90.0	9	66.2	31	23.8	65.9	87	69.2	61	1.17	136	N.N.E.	5.5	S.S.E.	8.0	1.5	3.3	1.0	1.9	1.5	1.2
1922 ..	980	.996	.935	77.7	69.8	85.8	87.6	68.9	18.7	91.9	1	65.8	28	26.1	63.7	81	67.7	55	0.07	167	N.N.E.	4.6	S.E.	12.8	2.0	3.1	1.0	2.7	1.4	1.7
Means	942	.955	901	76.8	70.6	82.8	86.5	69.2	17.3	89.8	..	65.8	..	24.0	65.8	85	69.5	65	1.01	147	N.N.E.	4.9	S.E.	9.9	1.6	2.1	1.2	2.1	1.2	1.0

TABLE II.—General Summary of Monthly Results derived from Table I for the period 1908 to 1922 (15 years).

Months.	Bar. Pressures.			Temperatures.												Dewpoint and Humidity.				Rainfall Means, for 15 years period.	Wind from and Miles per hour.				Clouds in Tenths.					
				Means.					Extremes.				Absolute.												Lower.		Middle.		Upper.	
	Mean.	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min.	Range.	Max.	Year and Date.	Min.	Year and Date.	7 a.m.		3 p.m.			Miles of Wind.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
	ins.	ins.	ins.	°	°	°	°	°	°	°	°	°	°		°		°	%	°	%	ins.									
	29 or 30	29 or 30	29 or 30																											
January ..	971	982	.932	75.8	69.2	82.2	85.9	67.9	18.0	89.7	63.7	26.0	91.5	1918, 26th	56.9	1918, 2nd	64.1	81	68.4	63	0.80	161	NNE	5.2	S.E.	11.6	1.6	2.0	0.9	2.3	1.1	0.5
February ..	982	.993	.943	75.7	69.1	82.1	86.0	67.6	18.4	89.5	63.4	26.1	91.5	1919, 19th	60.4	1910, 5th	63.3	82	67.7	62	0.48	177	N	5.1	S.E	13.1	1.3	2.6	1.1	2.4	0.9	0.4
March ..	969	.985	.935	76.6	70.9	82.6	86.5	68.4	18.1	89.5	65.0	24.5	91.8	1908, 9th	62.1	1910, 9th	64.7	81	68.5	63	0.94	185	NNE	4.8	SE	14.0	1.2	2.8	1.0	2.8	1.0	0.4
April ..	940	.958	.907	78.2	74.5	82.9	87.1	70.4	16.7	90.5	66.9	23.6	93.5	1909, 4th	64.5	1910, 1st	67.1	78	69.7	65	1.68	189	NE	4.4	SE	13.8	1.2	3.0	1.0	2.5	1.4	0.9
May ..	914	.932	.886	79.6	77.3	83.4	87.6	72.3	15.3	91.3	69.0	22.3	93.8	1914, 27th	65.8	1913, 6th	69.6	77	71.7	68	3.13	205	NE	4.8	SE	15.1	1.4	3.0	1.1	1.9	1.9	1.9
June ..	933	.945	.908	80.7	77.8	84.8	88.9	73.5	15.4	92.6	70.6	22.0	95.2	1911, 25th	68.5	1908*, 3rd	70.3	78	72.3	67	2.82	235	ENE	5.5	SE	17.5	1.1	2.3	1.5	1.6	2.6	3.1
July ..	963	.972	.931	81.3	77.4	86.1	90.2	73.5	16.7	93.5	70.5	23.0	95.4	1920, 15th	68.1	1913, 4th	69.5	77	72.0	63	0.96	227	NE	4.6	SE	18.3	0.7	1.7	1.2	1.5	2.5	2.9
August ..	936	945	.904	81.0	76.9	85.3	90.1	73.6	16.5	93.6	70.8	22.8	97.5	1919, 9th	69.8	1918, 5th	70.0	79	73.0	67	2.32	199	NE	4.5	SE	15.7	0.8	2.7	1.2	1.8	2.6	2.5
September ..	890	.899	.858	80.6	76.7	84.4	89.8	73.5	16.3	93.0	71.0	22.0	95.2	1911, 21st	69.4	1913, 12th	70.9	82	73.7	70	3.51	164	NE	4.3	SE	12.2	1.0	3.1	1.2	2.1	2.6	2.7
October ..	871	.884	.832	79.6	75.3	83.6	88.7	72.9	15.8	92.3	69.8	22.5	94.9	1921, 30th	67.9	1917, 24th	70.7	86	73.4	71	4.96	155	NE	4.7	SE	10.9	1.5	3.0	1.0	2.0	2.4	2.5
November ..	893	.907	.855	78.0	72.8	83.1	87.0	71.2	15.8	90.7	67.4	23.3	92.7	1911, 7th	62.1	1909, 30th	68.7	87	71.8	69	4.50	143	NE	4.9	SE	8.9	1.9	3.5	1.2	2.3	1.7	1.3
December ..	942	.955	.901	76.8	70.6	82.8	86.5	69.2	17.3	89.8	65.8	24.0	91.9	1914* 24th	61.8	1916, 31st	65.8	85	69.5	65	1.01	147	NNE	4.9	SE	9.9	1.6	2.1	1.2	2.1	1.2	1.0
Means (1 year)	.933	.946	.899	78.7	74.0	83.6	87.9	71.2	16.7	91.3	67.8	23.5	93.7	..	64.8	..	67.9	81	71.0	66	..	182	NE	4.8	SE	13.4	1.3	2.6	1.1	2.1	1.8	1.7

*And other years

TABLE III.—General Summary of Annual Results derived from published Weather Reports for the 15-year period, 1908-1922.

Year.	Bar. Pressure 29 or 30 ins.			Temperatures.									Dewpoint and Humidity.				Rainfall.	Miles of Wind per day.	Wind: from and Miles per hour.				Clouds, in Tenths.					
				Means.						Extremes.													Lower.		Middle.		Upper.	
	Means.	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Rain c	Max	Min.	Range.	7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	8 p.m.
	ins.	ins.	ins.	°	°	°	°	°	°	°	°	°	°	%	°	%	Ins.											
1908 ..	941	.952	.909	78.9	75.0	83.2	88.2	71.1	17.1	91.5	67.7	23.8	67.1	77	71.0	67	26.41	154	N	3.9	SE	11.1	1.2	1.1	1.3	3.0	2.1	1.6
1909 ..	930	.943	.895	78.4	76.3	82.6	85.9	70.6	15.3	89.7	66.6	23.1	68.8	77	70.5	67	68.11	149	ENE	5.3	E	8.8	1.2	1.9	1.2	4.6	2.3	0.7
1910 ..	946	.955	.914	77.8	73.9	82.2	87.0	69.9	17.1	90.8	66.4	24.4	66.5	78	69.9	67	37.33	144	N by E	4.1	SE	10.0	1.5	0.7	1.8	3.1	2.1	1.9
1911 ..	935	.947	.902	79.2	75.0	83.7	89.1	71.1	18.0	92.6	68.0	24.6	67.6	78	70.5	65	13.07	186	NNE	4.6	SE	14.2	1.1	3.0	0.8	2.1	1.8	1.5
1912 ..	931	.944	.895	79.2	75.1	83.6	88.2	71.9	16.3	91.4	68.9	22.5	68.5	80	72.0	68	18.92	218	NE	5.3	SE	15.8	1.3	3.5	0.7	1.9	1.2	1.2
1913 ..	947	.960	.912	78.4	73.7	83.2	87.7	70.8	16.9	90.6	67.5	23.1	67.4	81	71.0	67	16.45	194	NNE	4.8	SE	14.2	1.6	3.4	1.1	1.4	1.6	1.9
1914 ..	938	.951	.903	79.7	75.0	84.6	89.1	72.0	17.1	92.5	68.8	23.7	67.7	78	70.7	63	8.50	202	NNE	4.6	SE	15.2	1.1	2.8	1.0	2.2	1.5	1.4
1915 ..	903	.913	.872	79.1	74.6	83.9	87.7	72.2	15.5	91.0	68.8	22.2	69.5	84	72.6	70	59.46	174	NE	5.2	SE	11.8	1.6	3.0	1.0	2.1	2.2	1.8
1916 ..	917	.926	.886	77.9	73.2	82.7	86.7	70.9	15.8	90.5	67.5	23.0	68.7	86	70.8	68	48.18	172	NNE	5.5	SE	11.4	1.8	3.6	1.0	1.7	2.1	1.6
1917 ..	946	.959	.918	77.7	72.5	83.0	86.9	70.3	16.6	90.7	67.4	23.3	67.3	84	70.2	66	20.25	179	NNE	5.0	SE	13.2	1.2	1.3	1.6	3.1	2.0	1.4
1918 ..	930	.942	.896	78.4	73.4	83.6	87.3	71.0	16.3	91.0	67.4	23.6	68.1	84	70.7	66	16.42	188	NNE	4.7	SE	14.0	1.3	3.1	0.9	1.8	1.5	1.7
1919 ..	928	.943	.892	79.3	74.2	84.6	88.1	72.0	16.1	92.0	68.2	23.8	68.9	84	71.7	66	27.72	191	NE	5.1	SE	14.5	1.1	2.4	1.1	1.8	2.0	1.9
1920 ..	934	.951	.895	79.3	74.1	84.7	88.6	71.7	16.9	92.0	68.2	23.8	68.0	81	70.8	64	9.11	207	NNE	4.9	SE	16.0	0.9	2.3	0.9	1.8	1.7	1.8
1921 ..	942	.955	.906	78.5	73.7	83.5	87.7	71.2	16.5	91.2	68.1	23.1	68.3	83	71.0	65	25.91	178	NE	5.5	SE	13.9	1.5	3.3	1.0	2.1	2.1	2.1
1922 ..	942	.958	.904	78.7	72.8	85.0	88.1	70.9	17.2	91.4	67.8	23.6	67.6	84	70.6	62	10.91	201	NE	4.8	SE	16.0	1.0	3.2	1.0	2.0	2.1	1.3
Means ..	933	.946	.899	78.7	74.0	83.6	87.9	71.2	16.7	91.3	67.8	23.5	67.9	81	71.0	66	..	182	NE	4.8	SE	13.4	1.3	2.6	1.1	2.1	1.8	1.7

KINGSTON, JAMAICA.

Table IV.—General Summary of Barometer Results. Corrected for Temperature, Sea-level and Gravity 45°. The 7 a.m. and 3 p.m. Observations are in inches (29 and 30 omitted).

Year.	January			February.			March.			April.			May			June.			July.			August.			September.			October.			November.			December.			Means for the year.		
	7	3	Range.	7	3	Range.	7	3	Range.	7	3	Range.	7	3	Range.	7	3	Range.	7	3	Range.	7	3	Range.	7	3	Range.	7	3	Range.	7	3	Range.	7	3	Range.	7 a.m.	3 p.m.	Range.
1881 ..	990	924	66	970	926	44	958	904	54	980	921	59	877	830	47	919	878	41	951	911	40	908	871	37	894	848	46	889	832	57	896	828	68	969	904	65	933	881	52
1882 ..	022	955	67	046	979	67	034	970	64	974	913	61	961	893	68	985	918	67	008	937	71	970	924	46	913	855	58	888	824	64	920	851	69	958	884	74	973	909	64
1883 ..	031	961	70	016	938	78	996	927	69	957	882	75	940	882	58	973	911	62	008	937	71	962	897	65	927	859	68	911	812	69	913	836	77	974	893	81	967	897	70
1884 ..	038	958	80	025	945	80	018	943	75	975	896	79	953	881	72	934	881	53	971	903	68	928	863	75	930	860	70	867	802	65	926	854	72	978	894	84	963	890	73
1885 ..	034	959	75	976	910	66	011	939	72	960	882	78	929	867	62	993	939	54	988	926	62	941	873	68	911	840	74	891	820	71	917	840	77	946	875	71	958	889	69
1886 ..	958	890	68	970	896	74	976	903	73	912	843	69	950	880	70	908	866	42	942	894	48	893	854	39	900	840	60	884	819	65	952	873	79	978	911	67	935	872	63
1887 ..	008	940	68	051	977	77	003	930	73	981	920	61	927	875	52	910	873	43	973	934	39	889	851	38	900	843	57	881	820	61	892	826	66	955	892	63	948	890	58
1888 ..	038	974	64	007	945	62	005	977	68	988	926	62	910	865	45	932	889	43	958	908	50	928	873	55	879	821	58	890	838	61	898	833	65	944	887	57	949	891	58
1889 ..	954	899	55	995	928	67	923	858	65	919	854	65	906	859	47	944	908	36	959	911	48	955	909	46	887	837	50	896	841	55	935	866	69	960	891	69	936	880	56
1890 ..	903	930	63	990	929	61	979	918	61	910	852	58	962	908	54	991	940	51	982	934	48	938	894	44	925	886	57	906	839	67	892	833	59	972	902	70	961	904	57
1891 ..	897	929	58	987	912	75	961	891	70	932	871	61	917	867	50	901	853	48	946	897	49	939	897	42	912	859	53	857	804	53	901	845	56	976	915	61	935	878	57
1892 ..	969	906	63	970	911	59	962	893	69	995	930	65	949	901	48	948	908	40	983	936	47	937	894	43	919	869	50	879	823	56	905	837	68	964	900	64	948	892	56
1893 ..	955	889	66	990	926	64	994	938	66	976	914	62	923	872	51	938	897	41	935	900	35	899	867	32	901	845	56	828	776	42	909	850	59	957	897	60	935	881	54
1894 ..	990	927	63	044	983	61	016	959	57	967	908	59	882	839	43	960	909	51	986	945	41	958	909	49	897	847	50	963	812	51	933	865	68	931	875	56	952	898	54
1895 ..	978	916	62	978	929	49	987	929	58	949	889	60	947	884	63	974	931	43	996	941	55	924	875	49	893	835	58	860	795	65	905	845	60	921	855	66	943	885	58
1896 ..	989	923	66	987	913	74	973	912	61	977	913	64	927	885	52	954	898	56	979	927	52	958	904	54	877	827	50	898	831	67	913	847	66	948	895	53	949	890	59
1897 ..	991	907	84	002	939	63	986	905	81	958	884	74	903	855	48	955	907	48	965	918	47	965	904	61	927	873	54	887	826	61	931	862	69	965	893	72	953	889	64
1898 ..	001	926	75	970	907	63	962	892	70	987	952	35	917	867	50	940	898	42	943	898	45	935	888	47	891	840	51	876	820	56	898	828	70	988	924	64	942	887	55
Means 18 years 1881-1898 ..	996	928	67	999	933	66	986	919	67	967	903	64	927	873	54	948	901	47	971	920	51	935	886	49	905	848	57	881	820	61	913	845	68	960	894	66	949	889	60
Means 15 years 1908-1922 ..	982	932	50	993	943	50	985	935	50	958	907	51	932	886	46	945	908	37	972	931	41	945	904	41	899	858	41	884	832	52	907	855	52	955	901	54	946	899	47
Means 33 years Two periods ..	990	930	60	996	938	58	985	926	59	962	905	57	930	879	51	946	904	42	971	925	46	940	894	46	902	853	49	882	825	57	910	850	60	957	897	60	948	894	54

From the year 1881 to 1896 the published results of barometer readings included corrections and reductions only for instrumental error, temperature and Sea-level, but not for Gravity 45°(—.063 in.) And only the years 1897 and 1898 had allowed, besides, for Gravity correction; consequently for obtaining and presenting the above figures of Means for 1881 to 1896 .063 in. was deducted. The years 1908 to 1922 have the correction for Gravity allowed for. The mean for the year for the 18-year period (1881-1898), derived from the 7 a.m. and 3 p.m. means and applying the corrections in Table VI, gives 29.930 ins.

Table V.—Kingston Mean Pressure at Sea-level derived from means of 1881 to 1898 and 1908 to 1922, 33 years.

Month.		Bar. Mean.	Month.		Bar. Mean.
		Ins.			Ins.
Jan.	1 to 10	29.967	July	1 to 10	29.957
"	11 to 20	.974	"	11 to 20	.960
"	21 to 31	.978	"	21 to 31	.955
Feb.	1 to 10	.980	Aug.	1 to 10	.943
"	11 to 20	.981	"	11 to 20	.929
"	21 to 28	.978	"	21 to 31	.914
Mar.	1 to 10	.972	Sep.	1 to 10	.900
"	11 to 20	.965	"	11 to 20	.889
"	21 to 31	.958	"	21 to 30	.879
Apr.	1 to 10	.950	Oct.	1 to 10	.869
"	11 to 20	.941	"	11 to 20	.866
"	21 to 30	.927	"	21 to 31	.869
May	1 to 10	.915	Nov.	1 to 10	.880
"	11 to 20	.910	"	11 to 20	.892
"	21 to 31	.914	"	21 to 30	.906
June	1 to 10	.920	Dec.	1 to 10	.926
"	11 to 20	.932	"	11 to 20	.941
"	21 to 30	29.945	"	21 to 31	29.956

The numbers for the middle of the month are computed from Table IV., and they are the means deduced from the 33-year *Results*. The other numbers were arrived at from the intermediate ordinates of the curve drawn through the numbers at the middle of each month.

The Kingston Normal at Sea-level,for the year is 29.932 ins.; allowing reductions for instrumental error, temperature, elevation and Grav. 45° (—.063 in.)

Table VI.—Correction for Diurnal Variation of Pressure in thousandths of an inch of Mercury, computed from 33 years' records of the 7 a.m. and 3 p.m. observations. (For any place in Jamaica near to Sea-level.)

Month.	Midnight.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	12 Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.
January ..	−10	− 2	+ 8	+15	+15	+10	− 1	−16	−32	−46	−43	−28	− 6	+19	+37	+44	+40	+31	+21	+ 7	− 7	−17	−21	−17
February ..	15	0	12	19	19	12	− 1	15	30	43	46	33	12	11	30	43	42	37	26	12	− 6	17	25	21
March ..	8	+ 5	17	23	19	8	− 6	20	34	43	45	34	15	5	27	39	41	35	25	14	− 2	15	21	18
April ..	8	+ 2	14	19	16	7	− 7	21	33	39	37	29	14	6	24	36	42	38	29	17	+ 1	17	23	21
May ..	12	+ 1	13	19	17	7	− 6	20	28	35	35	26	14	3	19	31	40	37	29	15	− 1	12	24	25
June ..	17	+ 1	12	17	16	13	− 1	14	21	28	30	27	15	1	17	28	37	35	28	11	5	16	27	25
July ..	22	− 7	15	24	22	20	+ 4	11	20	28	29	24	11	7	26	35	42	38	32	9	8	25	41	38
August ..	21	− 4	10	20	19	15	+ 7	11	21	29	33	29	13	2	22	35	39	37	29	17	2	21	38	35
September ..	17	− 7	8	14	15	8	− 2	13	25	32	32	24	10	11	26	36	37	30	22	14	3	19	25	22
October ..	12	+ 6	18	23	23	14	+ 1	16	32	45	49	32	8	19	35	41	40	34	24	7	13	24	28	22
November ..	7	+ 4	15	21	19	10	− 4	18	35	46	45	29	4	20	35	42	40	32	20	3	12	20	23	16
December ..	−10	− 3	+10	+19	+18	+11	− 1	−16	−34	−46	−43	−27	− 5	+20	+36	+44	+45	+32	+20	+ 4	−10	−22	−25	−19
Means ..	−13	0	+13	+19	+18	+11	− 1	−16	−29	−38	−39	−29	−11	+10	+28	+38	+41	+35	+26	+11	− 6	−19	−27	−23

Table VII.—Mean Temperature Results for 33 years, derived from the 18-year and the 15-year periods.

Month.		Mean.	7 a.m.	3 p.m.	Max.	Min.	Aver. Highest Max.	Aver. Lowest Min.
		°	°	°	°	°	°	°
January	18-year ..	75.8	68.9	83.1	86.1	67.0	90.1	62.8
"	15-year ..	75.8	69.2	82.2	85.9	67.9	89.7	63.7
"	Mean 33-year	75.8	69.0	82.6	86.0	67.4	89.9	63.2
February	18-year ..	75.7	69.4	82.7	85.6	67.0	89.3	63.2
"	15-year ..	75.7	69.1	82.1	86.0	67.6	89.5	63.4
"	Mean 33-year	75.7	69.2	82.4	85.8	67.3	89.4	63.3
March	18-year ..	76.4	71.3	82.8	85.6	67.8	89.3	63.9
"	15-year ..	76.6	70.9	82.6	86.5	68.4	89.5	65.0
"	Mean 33-year	76.5	71.1	82.7	86.0	68.1	89.4	64.4
April	18-year ..	78.2	74.9	83.3	86.3	70.0	90.1	66.6
"	15-year ..	78.2	74.5	82.9	87.1	70.4	90.5	66.9
"	Mean 33-year	78.2	74.7	83.1	86.7	70.2	90.3	66.7
May	18-year ..	79.9	78.1	83.7	87.0	72.5	90.2	68.9
"	15-year ..	79.6	77.3	83.4	87.6	72.3	91.3	69.0
"	Mean 33-year	79.7	77.7	83.5	87.3	72.4	90.7	68.9
June	18-year ..	81.1	79.1	85.2	88.2	73.7	91.8	70.4
"	15-year ..	80.7	77.8	84.8	88.9	73.5	92.6	70.6
"	Mean 33-year	80.9	78.4	85.0	88.5	73.6	92.2	70.5
July	18-year ..	81.6	78.7	86.4	89.5	73.4	93.4	70.4
"	15-year ..	81.3	77.4	86.1	90.2	73.5	93.5	70.5
"	Mean 33-year	81.4	78.0	86.2	89.8	73.4	93.4	70.4
August	18-year ..	81.0	77.6	85.7	89.5	73.4	92.6	70.2
"	15-year ..	81.0	76.9	85.3	90.1	73.6	93.6	70.8
	Mean 33-year	81.0	77.2	85.5	89.8	73.5	93.1	70.5
September	18-year ..	80.7	76.9	85.2	89.2	73.5	92.3	70.7
"	15-year ..	80.6	76.7	84.4	89.8	73.5	93.0	71.0
"	Mean 33-year	80.6	76.8	84.8	89.5	73.5	92.6	70.8
October	18-year ..	79.3	75.6	84.5	88.0	72.4	91.8	68.8
"	15-year ..	79.6	75.3	83.6	88.7	72.9	92.3	69.8
"	Mean 33-year	79.4	75.4	84.0	88.3	72.6	92.0	69.3
November	18-year	78.6	73.4	84.3	87.9	70.7	91.1	66.6
"	15-year ..	78.0	72.8	83.1	87.0	71.2	90.7	67.4
"	Mean 33-year	78.3	73.1	83.7	87.4	70.9	90.9	67.0
December	18-year ..	76.9	70.7	83.3	86.7	68.4	90.5	63.7
"	15-year ..	76.8	70.6	82.8	86.5	69.2	89.8	65.8
"	Mean 33-year	76.8	70.6	83.0	86.6	68.8	90.1	64.7
Mean for the year (33 years) ..		78.7	74.3	83.9	87.6	71.0	91.2	67.5

Table VIII.—Humidity of Kingston derived from Results of years 1908-1922. 15-year Means.

Month.	7 a.m.	3 p.m.	Mean for the Day.	Corrections.	
				7 a.m.	3 p.m.
January	84	63	76	−8	+13
February	82	62	76	6	14
March	81	63	75	6	12
April	78	65	76	2	11
May	77	68	77	0	9
June	78	67	76	2	9
July	77	63	74	3	11
August	79	67	77	2	10
September	82	70	80	2	10
October	86	71	82	4	11
November	87	69	81	6	12
December	85	65	78	−7	+13
Mean	81	66	77	−4	+11

The above Table gives the Mean percentage of Humidity for 7 a.m. and for 3 p.m., and the Mean for the day. The correction figures may be applied to any actual 7 a.m. or 3 p.m. computation, during the month, in order to, approximately arrive at the mean percentage for the day. For example, if any 7 a.m. computation for March gives, say, 77 per cent., then by subtracting 6 found in the 7 a.m. for March in the correction column, 71 per cent. is obtained, which would indicate 4 lower than the 75 per cent. mean for March, and applicable to Kingston, only.

Table IX.—Mean barometric Ranges between 7 a.m. and 3 p.m. for each month and each year during the 15-year period, 1908-1922.

Year.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Mean Range.
1908	37	42	40	46	49	37	34	25	39	50	56	55	42
1909	48	57	60	62	51	43	35	26	34	56	51	56	48
1910	58	62	51	53	54	31	35	29	30	42	42	48	45
1911	50	49	37	51	32	37	50	46	49	43	58	49	46
1912	45	38	50	54	53	44	46	50	52	56	50	57	50
1913	60	47	59	50	43	32	39	44	49	56	56	46	48
1914	43	55	51	46	48	35	51	50	44	48	45	49	47
1915	49	49	49	37	41	26	39	27	33	53	43	48	41
1916	50	43	45	43	43	27	12	31	36	46	47	57	40
1917	49	43	49	42	46	29	30	42	30	52	34	43	41
1918	43	46	43	49	36	31	40	40	46	57	61	58	46
1919	49	53	57	47	52	42	39	52	48	57	60	54	51
1920	65	58	56	68	47	50	59	49	42	53	57	67	56
1921	50	48	51	48	47	36	48	40	39	58	65	61	49
1922	55	58	55	62	50	45	60	55	49	52	57	61	55
Mean Range	50	50	50	51	46	37	41	41	41	52	52	54	47

The figures are given in thousandths of an inch; and the Ranges for the 18-year period are found in Table IV.