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TAKEN DURING THE YEAR

1894

AT THE

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MAURITIUS.

METEOROLOGICAL OBSERVATIONS.

Results of Meteorological Observations taken during the year 1894, at the Royal Alfred Observatory, Mauritius, Latitude 20° 5'39" S. Longitude 3 hrs. 50 m. 12 s. 6 E.

The Observatory is about 3 miles from the west coast and stands on a plain which is 179 feet above the sea-level. From W.S.W., through West to North, there is an uninterrupted view of the sea: and from North, through East, to S.E., the ground generally slopes from the Piton, the summit of which bears about four miles E. b. S. and is 917 feet above the sea-level. Between S.E. and S.W., there is a chain of mountains, the highest peak of which, the Pieterboth, bears nearly six miles due south, and has an altitude of 2874 feet above the sea. The nearest extremities of two spurs which run N. and N.W. from the Pieterboth, are at distances of three to four miles, and have an elevation of about 560 feet.

The Island is of volcanic origin, and the rocks are more or less magnetic. Around the Observatory the soil has a depth of 3 to 14 feet below which is solid basalt.

The Standard Barometer (Newman, No. 128) has no error, and the cistern is 180.86 feet above the sea-level.

All the thermometers have been verified at the Kew Observatory. They have been frequently compared with the Observatory Standards and, when necessary, corrections have been applied for their respective errors.

Continuous records of the temperature and pressure of the air and of the temperature of evaporation (wet bulb thermometer) are obtained by photography.

The amount of Bright Sunshine is recorded by an improved "Campbell Sunshine Recorder," placed on the roof of the Observatory, 42½ feet above the ground.

The direction and velocity of the wind are recorded by a self-registering Kew anemometer by Casella, the cups of which are 51.2 feet above the surface of the ground.

The rim of Glaisher's raingauge is 8 inches in diameter, and 10 inches above the surface of the ground. The rainfall is measured at 9h., and the amount is set down to the day on which it is measured.

The rim of Beckley's self-recording raingauge is 11.283 inches in diameter and 23 inches above the surface of the ground.

During the year, four eye-observations of the principal elements have been taken daily, viz:—at 6, 9, 13 and 15 hours, the day commencing at midnight and the hours being counted from 0 to 23.

The minimum thermometers have been read daily at 9 and the maximum at 15 hours.

Daily readings have been taken of Solar and Terrestrial radiation thermometers and of thermometers, the bulbs of which are 5 feet 2 inches and 10 feet below the surface of the ground.

Self-registering thermometers by Negretti and Zambra are exposed in a Stevenson screen on the lawn, the thermometers being 4 feet from the ground. Readings have also been taken of dry and wet bulb thermometers by Negretti and Zambra exposed in ordinary hygrometric screens on the lawn, the thermometers being 4½ feet from the ground.

Results of the Observations.

Table I has been derived from hourly values of the ordinates of the barograms; these values having been obtained directly from the curves by means of an appropriate tabulator. Tables of the hourly readings for each day have been prepared, but their insertion here would occupy too much space.

Table II gives the daily and monthly means of the atmospheric pressure, derived from the hourly values. The observations are corrected for capillarity, temperature, and index error, but not reduced to sea-level.

No correction has been applied for the influence of gravity on the barometrical readings. For a pressure of 30.000 inches, the correction for the latitude of the observatory is—.060 inch.

Tables VI to XII have been derived from hourly values of the ordinates of the thermograms.

Tables XIII to XVIII have been computed from the values given in Tables VI, VII, XI and XII.

The results given in tables XIX to XXIII have been obtained from the readings of thermometers exposed in a lofty room between two open windows; the thermometers, which are by Casella, being from 4 to 5½ feet from the floor.

The values of the Relative Humidity, Vapour Tension, and Dew Point have been computed from Glaisher's Hygrometrical Tables, eighth edition.

Explanatory notes are appended to the other tables, where required.

TABLE I.

Hourly and Monthly Means of the Atmospheric Pressure during the year 1894.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean for the year	Variation +above —below Mean.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
0	29.700	29.700	29.782	29.832	29.893	29.977	29.995	30.017	30.000	29.924	29.924	29.757	29.875	+ .018
1	29.686	29.688	29.771	29.821	29.886	29.975	29.991	30.010	29.987	29.911	29.910	29.742	29.865	+ .008
2	29.672	29.673	29.757	29.807	29.874	29.964	29.978	29.997	29.974	29.897	29.897	29.729	29.852	— .005
3	29.666	29.666	29 746	29.799	29.866	29.956	29.970	29.991	29.965	29.890	29.892	29.724	29.844	— .013
4	29.663	29.663	29.741	29.793	29.862	29.950	29.962	29.982	29.961	29.889	29.890	29.722	29.840	— ,017
5	29.672	29.667	29.747	29.796	29.863	29.950	29.961	29.983	29.968	29.898	29.896	29.729	29.844	— .013
6	29.686	29.675	29.756	29.806	29.873	29.959	29·969	29.993	29.977	29.908	29.910	29.743	29.855	— .002
7	29.699	29.689	29.769	29.821	29.888	29.970	29.983	30.007	29.992	29.922	29.922	29.756	29.868	+ .011
8	29.707	29.700	29.785	29.834	29.899	29.986	29.997	30.020	30.002	29.929	29.926	29.763	29.879	+ .022
9	29.708	29.705	29.795	29.844	29.910	29.998	30.012	30.034	30.008	29.931	29.927	29.766	29.886	+ .029
10	29.704	29.700	29.794	29.843	29.907	29.995	30.010	30.033	30.003	29.923	29.917	29.762	29.882	+ .025
11	29.698	29.691	29.787	29.832	29.893	29.984	29.999	30.022	29.991	29.911	29.908	29.757	29.872	+ .015
12	29.686	29.679	29.768	29.811	29.872	29.963	29.978	30.000	29.968	29.894	29.892	29.745	29.855	— .002
13	29.677	29.668	29.753	29.793	29.854	29.941	29.958	29.983	29.951	29.878	29.876	29.733	29.839	— .018
14	29.663	29.655	29.738	29.779	29.842	29.928	29.943	29.967	29.935	29.865	29.862	29.718	29.825	— .032
15	29.654	29.645	29.730	29.773	29.841	29.923	29.936	29.960	29.929	29.859	29.857	29.711	29.818	— .039
16	29.649	29.642	29.732	29.776	29.842	29.929	29.939	29.963	29.933	29.860	29.855	29.707	29.819	— .038
17	29.657	29.650	29.738	29.785	29.855	29.942	29.949	29.972	29.943	29.871	29.865	29.715	29.828	— .029
18	29.670	29.658	29.750	29.797	29.865	29.952	29.958	29.983	29.958	29.889	29.880	29.726	29.840	— .017
19	29.691	29.677	29.768	29.812	29.881	29.969	29.974	29.999	29.977	29.910	29.901	29.747	29.859	+ .002
20	29.702	29.691	29.784	29.830	29.895	29.983	29.987	30.013	29.992	29.927	29.917	29.760	29.873	+ .016
21	29.713	29.705	29.799	29.841	29.902	29.991	29.995	30.024	30.005	29.938	29.928	29.774	29.885	+ .028
22	29.719	29.712	29.803	29.843	29.902	29.994	29.997	30.025	30.006	29.940	29.932	29.780	29.888	+ .031
23	29.717	29.708	29.799	29.840	29.898	29.992	29.996	30.025	30.004	29.936	29.929	29.777	29.885	+ .028
Monthly Means ...	29.686	29.679	29.766	29.813	29.878	29.965	29.977	30.000	29.976	29.904	29.901	29.743	29.857	
Monthly Means reduced to sea-level ...	29.874	29.867	29.955	30.003	30.069	30.158	30.169	30.192	30.168	30.095	30.091	29.931	30.048	

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TABLE II.

Daily and Monthly Means of the Atmospheric Pressure during the year 1894.

Days and Months.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
1	29.671	29.784	29.710	29.862	29.924	29.838	30.112	29.953	30.063	29.950	29.964	29.673
2	29.733	29.779	29.767	29.771	29.903	29.834	30.104	29.994	30.010	29.983	29.962	29.741
3	29.767	29.801	29.805	29.773	29.845	29.835	30.068	30.033	29.943	30.000	29.945	29·735
4	29.721	29.786	29.820	29.800	29.813	29.851	30.026	30.000	29.952	29.989	29.901	29.727
5	29.667	29.808	29.792	29.825	29.778	29.873	29.985	29.963	29.980	29.976	29.890	29.795
6	29.678	29.769	29.771	29.858	29.816	29.864	29.964	29.969	29.989	29.969	29.919	29.693
7	29.712	29.746	29.780	29.856	29.874	29.869	29.946	29.972	30.029	29.952	29.941	29.742
8	29.679	29.724	29.754	29.864	29.927	29.896	29.916	30.042	30.042	29.926	29.966	29.637
9	29.594	29.740	29.763	29.860	29.939	29.943	29.858	30.041	29.973	29.944	29.983	29.647
10	29.593	29.755	29.760	29.859	29.996	29.957	29.864	30.031	29.911	29.946	29.984	29.719
11	29.588	29.781	29.714	29.860	30.027	30.005	29.894	30.033	29.937	29.911	30.006	29.715
12	29.556	29.788	29.664	29.809	29.971	30.031	29.949	30.082	30.001	29.830	30.015	29.705
13	29.435	29.752	29.645	29.761	29.878	30.035	29.954	30.100	30.031	29.826	30.004	29.715
14	29.281	29.747	29.743	29.748	29.843	30.027	29.945	30.048	30.000	29.861	29.974	29.792
15	29.470	29.758	29.740	29.779	29.892	30.006	30.000	30.034	29.989	29.868	29.932	29.830
16	29.590	29.738	29.730	29.838	29.908	29.984	30.057	30.036	29.971	29.868	29.957	29.805
17	29.681	29.695	29.721	29.848	29.859	29.961	30.082	30.015	29.942	29.855	29.963	29.735
18	29.771	29.637	29.670	29.810	29.857	29.958	30.070	30.006	29.937	29.886	29.939	29.638
19	29.813	29.613	29.615	29.778	29.896	30.001	30.037	29.988	29.952	29.889	29.924	29.599
20	29.824	29.582	29.698	29.731	29.891	30.036	29.997	29.934	29.952	29.865	29.918	29.702
21	29.820	29.499	29.785	29.671	29.873	30.056	29.950	29.943	29.950	29.842	29.921	29.757
22	29.818	29.259	29.808	29.648	29.863	30.036	29.920	29.999	29.954	29.873	29.902	29.776
23	29.802	29.435	29.818	29.718	29.865	29.995	29.929	29.999	29.971	29.863	29.873	29.814
24	29.764	29.526	29.807	29.820	29.854	29.973	29.996	29.953	29.977	29.869	29.845	29.807
25	29.755	29.529	29.814	29.887	29.859	30.020	30.010	29.923	29.996	29.897	29.830	29.754
26	29.713	29.610	29.840	29.887	29.839	30.048	29.959	29.937	29.976	29.902	29.816	29.738
27	29.726	29.691	29.836	29.843	29.806	29.979	29.935	30.001	29.971	29.870	29.745	29.775
28	29.779	29.694	29.799	29.872	29.810	29.950	29.930	30.019	29.986	29.829	29.691	29.803
29	29.743		29.812	29.873	29.859	30.018	29.927	29.979	29.961	29.887	20.666	29.802
30	29.741		29.850	29.878	29.889	30.083	29.932	29.955	29.937	29.948	29.643	29.798
31	29.771		29.913		29.862		29.956	30.016		29.955		29.779
Means	29.686	29.679	29.766	29.813	29.878	29.965	29.977	30.000	29.976	29.904	29.901	29.743

METEOROLOGICAL OBSERVATIONS.

TABLE III.

Monthly and Daily Range of the Atmospheric Pressure during the year 1894.

Months.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean for year.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
Highest Reading (red. to sea-level) ...	30.049	30.031	30.136	30.122	30.249	30.322	30.340	30.342	30.302	30.224	30.251	30.053	30.202
Lowest " " ...	29.412	29.276	29.739	29.777	29.913	29.978	30.005	30.064	30.044	29.942	29.784	29.730	29.805
Range in Month	0.637	0.755	0.397	0.345	0.336	0.344	0.335	0.278	0.258	0.282	0.467	0.323	0.396
Mean Range from 4 to 9 hours ...	0.045	0.042	0.054	0.051	0.048	0.048	0.050	0.052	0.047	0.042	0.037	0.044	0.048
" 9 to 15 " ...	0.054	0.060	0.065	0.071	0.069	0.075	0.076	0.074	0.079	0.072	0.070	0.055	0.068
" 15 to 22 " ...	0.065	0.067	0.073	0.070	0.061	0.071	0.061	0.065	0.077	0.081	0.076	0.069	0.070
" 22 to 4 " ...	0.056	0.049	0.062	0.050	0.040	0.044	0.035	0.043	0.045	0.051	0.043	0.058	0.048
Mean Diurnal Range...	0.055	0.054	0.063	0.060	0.054	0.059	0.055	0.058	0.062	0.061	0.056	0.056	0.058

TABLE IV.

Comparison of Means of the Standard Barometer Readings with the Means of the Barograph Readings for 9 and 15 hours during 1894.

Months.	Barometer Readings corrected for Capillarity and reduced to 32 ° Fahr.			Barograph Readings		
	9 hours.	15 hours.	Means.	9 hours.	15 hours.	Means.
	ins.	ins.	ins.	ins.	ins.	ins.
January	29.707	29.654	29.680	29.708	29.654	29.681
February	29.705	29.646	29.675	29.705	29.645	29.675
March	29.795	29.731	29.763	29.795	29.730	29.762
April	29.845	29.774	29.809	29.844	29.773	29.808
May	29.911	29.841	29.876	29.910	29.841	29.875
June	29.999	29.923	29.961	29.998	29.923	29.960
July	30.012	29.936	29.974	30.012	29.936	29.974
August	30.034	29.960	29.997	30.034	29.960	29.997
September	30.008	29.930	29.969	30.008	29.929	29.968
October	29.932	29.860	29.896	29.931	29.859	29.895
November	29.928	29.857	29.892	29.927	29.857	29.892
December...	29.765	29.711	29.738	29.766	29.711	29.738
Months	29.887	29.819	29.852	29.886	29.818	29.852

TABLE V.

Monthly and Annual Mean Diurnal Variations of the Atmospheric Pressure, deduced from twenty years' observations made in 1875—1894.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means.
	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.
0	+ .015	+ .019	+ .018	+ .017	+ .015	+ .015	+ .015	+ .018	+ .020	+ .017	+ .016	+ .015	+ .017
1	+ .003	+ .005	+ .006	+ .006	+ .006	+ .008	+ .011	+ .010	+ .010	+ .006	+ .004	+ .001	+ .006
2	− .011	− .010	− .009	− .007	− .005	− .004	− .001	− .002	− .002	− .007	− .009	− .012	− .007
3	− .018	− .017	− .018	− .016	− .014	− .012	− .009	− .010	− .011	− .014	− .014	− .017	− .014
4	− .019	− .019	− .023	− .021	− .019	− .017	− .015	− .016	− .015	− .014	− .013	− .018	− .017
5	− .011	− .015	− .018	− .017	− .016	− .016	− .015	− .014	− .009	− .007	− .007	− .010	− .013
6	+ .004	− .005	− .007	− .007	− .005	− .008	− .007	− .004	+ .002	+ .005	+ .007	+ .004	− .002
7	+ .015	+ .009	+ .005	+ .008	+ .009	+ .006	+ .006	+ .009	+ .016	+ .018	+ .018	+ .016	+ .011
8	+ .021	+ .019	+ .020	+ .021	+ .024	+ .022	+ .022	+ .023	+ .028	+ .028	+ .024	+ .022	+ .023
9	+ .022	+ .024	+ .029	+ .031	+ .035	+ .034	+ .035	+ .035	+ .034	+ .030	+ .026	+ .023	+ .030
10	+ .018	+ .022	+ .027	+ .030	+ .032	+ .030	+ .033	+ .033	+ .028	+ .023	+ .018	+ .019	+ .026
11	+ .012	+ .015	+ .019	+ .019	+ .018	+ .019	+ .021	+ .021	+ .015	+ .011	+ .009	+ .012	+ .016
12	.000	+ .002	+ .002	− .003	− .003	− .001	.000	− .001	− .007	− .007	− .006	− .001	− .002
13	− .010	− .012	− .015	− .020	− .023	− .022	− .020	− .019	− .025	− .024	− .021	− .013	− .019
14	− .024	− .026	− .029	− .033	− .036	− .035	− .034	− .036	− .041	− .038	− .035	− .026	− .033
15	− .034	− .034	− .037	− .038	− .038	− .037	− .038	− .041	− .047	− .045	− .042	− .036	− .039
16	− .039	− .037	− .036	− .035	− .034	− .033	− .035	− .038	− .044	− .044	− .043	− .039	− .038
17	− .032	− .031	− .028	− .025	− .024	− .023	− .026	− .029	− .034	− .033	− .033	− .031	− .029
18	− .017	− .017	− .015	− .013	− .013	− .012	− .016	− .018	− .019	− .016	− .016	− .015	− .016
19	+ .002	.000	+ .001	+ .002	+ .002	+ .002	− .002	− .003	− .001	+ .003	+ .003	+ .002	+ .001
20	+ .015	+ .016	+ .017	+ .019	+ .017	+ .015	+ .012	+ .013	+ .016	+ .019	+ .019	+ .016	+ .016
21	+ .026	+ .028	+ .030	+ .029	+ .025	+ .022	+ .020	+ .022	+ .029	+ .030	+ .029	+ .026	+ .026
22	+ .033	+ .034	+ .033	+ .029	+ .025	+ .025	+ .022	+ .024	+ .030	+ .032	+ .035	+ .033	+ .030
23	+ .030	+ .030	+ .028	+ .025	+ .023	+ .023	+ .020	+ .023	+ .027	+ .028	+ .030	+ .029	+ .026

TABLE VI.

Hourly and Monthly Means of the Temperature of the Air in shade during the year 1894.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation + above − below mean.	Hours.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
0	74.8	75.2	73.9	72.1	68.0	62.3	65.7	65.9	66.1	67.2	70.6	74.8	69.7	− 3.5	0
1	74.4	74.7	73.4	71.8	67.7	62.0	65.1	65.5	65.7	66.7	69.9	74.5	69.3	− 3.9	1
2	74.4	74.4	73.0	71.6	67.4	61.7	65.1	65.7	65.5	66.4	69.4	74.4	69.1	− 4.1	2
3	74.0	74.2	72.7	71.2	67.0	61.5	65.1	65.5	65.0	65.7	68.7	74.1	68.7	− 4.5	3
4	73.9	74.1	72.6	71.0	66.8	61.4	65.0	65.2	64.6	65.5	68.5	73.8	68.5	− 4.7	4
5	73.7	73.8	72.4	70 7	66.2	61.1	64.6	64.9	64.6	65.4	68.3	73.6	68.3	− 4.9	5
6	73.9	73.9	72.4	70.9	66.1	60.9	64.6	64.8	64.3	66.1	70.0	74.3	68.5	− 4.7	6
7	76.5	76.1	74 5	72.2	66.9	61.3	64.8	65.6	67.1	70.7	74.3	77.4	70.6	− 2.6	7
8	78.8	79.1	77.8	75.9	71.4	66.5	68.5	69.1	71.5	74.4	77.4	80.0	74.2	+ 1.0	8
9	80.0	80.5	79.2	77.8	74.3	70.5	71.5	71.1	73.8	76.3	79.3	81.3	76.3	+ 3.1	9
10	81.6	81.6	80.5	79 2	75.7	72.6	73.1	73.3	75.3	78.1	81.1	82.9	77.9	+ 4.7	10
11	81.8	82.4	81.6	79.6	76.6	73.5	73.9	73.5	76.0	79.2	81.9	83.6	78.6	+ 5.4	11
12	82.7	83.0	81.9	79.8	77.2	74.1	74.5	74.7	76.6	79.5	82.7	83.9	79.2	+ 6.0	12
13	82.6	83.0	81.8	80.0	76.7	74.3	74.2	74.6	76.8	78.9	82.4	83.9	79.1	+ 5.9	13
14	83.0	82.7	82.2	80.2	76.3	74.1	74.1	74.4	76.1	78.6	81.7	83.9	78.9	+ 5.7	14
15	82.0	82.0	81.5	79.3	75.7	73.4	73.6	73.5	75.2	77.2	80.6	82.7	78.1	+ 4.9	15
16	81.5	81.6	80.9	78.4	74.8	72.4	72.8	72.6	73.9	76.1	79.4	81.7	77.2	+ 4.0	16
17	79.8	80.4	79.5	76.9	73.2	70.3	71.2	70.8	72.1	74.6	77 8	80.5	75.6	+ 2.4	17
18	78.8	79.2	77.7	75.3	71.3	67.7	68.9	68.7	70.4	72.6	75.8	79.0	73.8	+ 0.6	18
19	77.3	77.5	76.0	74.3	70.1	66.0	67.6	67.6	68.6	70.9	74.0	77.3	72.3	− 0.9	19
20	76.6	76.9	75.4	73.7	69.4	65.0	66.9	67.1	67.9	69.8	72.9	76.5	71.5	− 1.7	20
21	76.1	76.3	74.7	73.1	69 0	63.9	66 5	66.7	67.3	68.7	72.0	75.9	70.8	− 2.4	21
22	75.5	75 9	74.3	72.8	68.4	63.4	66.2	66.5	67.0	68.3	71.5	75.5	70.4	− 2.8	22
23	75.1	75.6	73.9	72.5	67.9	63.0	65.9	66.2	66.4	67.8	71.1	75.0	70.0	− 3.2	23
Monthly means.	77.9	78.1	76.8	75.0	71.0	66.8	68.7	68.9	69.9	71.9	75.0	78.4	73.2		Monthly means.

TABLE VII.

Daily and Monthly Means of the Temperature of the Air in shade during the year 1894.

Days.	January	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1 ...	82.1	77.1	78.2	75.6	72.2	66.4	68.1	66.2	66.7	71.8	72.2	79.9	1
2 ...	82.4	78.8	76.4	75.1	72.7	66.9	68.9	67.7	68.0	72.3	73.4	80·9	2
3 ...	80.4	79.3	77.4	75.1	72.4	65.8	67.8	67.8	69.5	72.7	73.7	80.9	3
4 ...	79.1	79.1	77.9	75·6	74.4	66.1	67.9	69.7	69.8	72.4	74.0	81.4	4
5 ...	78.0	79.1	78.2	75.7	75.3	66.9	68.3	70.1	68.4	70.2	73.4	80.1	5
6 ...	79.8	78.1	78.6	76.3	72.2	66.5	67.4	70.2	68.3	71.3	73.2	77.3	6
7 ...	78.7	78.0	77.1	74.7	72.1	65.8	69.1	68.5	69.0	72.1	73.4	75.7	7
8 ...	79.3	79.5	78.0	75.2	69.8	66.7	69.3	67.6	69.7	72.9	73.8	76.9	8
9 ...	78.4	78.0	77.1	75.9	65.7	64.0	72.5	67.7	67.4	72.6	75.4	78.9	9
10 ...	78.3	78.5	76.9	76.7	67.0	62.4	72.5	67.2	68.3	72.2	76.8	78.5	10
11 ...	76.5	78.4	76.2	77.3	69.6	64.0	72.3	67.4	69.8	72.2	74.8	77.4	11
12 ...	73.9	78.2	76.5	76.1	70.6	67.2	70.4	68.0	72.9	72.3	75.6	77.1	12
13 ...	73.1	77.3	77.8	74.2	71.5	69.3	70.2	68.6	70.0	70.6	75.3	76.8	13
14 ...	77.4	78.6	76.4	74.7	73.2	68.3	69.0	69.1	69.5	69.2	74.8	77.6	14
15 ...	78.2	77.1	75.7	74.0	74.2	67.1	68.1	68.2	69.8	69.1	75.4	78.2	15
16 ...	77.5	78.3	76.4	74.7	72.2	64.3	69.2	67.2	69.8	69.2	76.1	78.2	16
17 ...	75.0	79.0	74.9	74.1	73.5	64.4	66.9	67.2	70.8	68.6	76.3	78.1	17
18 ...	77.3	77.4	74.2	74.4	73.0	67.6	68.7	69.6	71.1	69.5	76.1	76.8	18
19 ...	78.3	79.4	75.7	74.8	72.3	64.9	69.2	68.8	69.8	70.1	76.6	77.3	19
20 ...	75.1	80.1	76.0	76.2	72.9	67.2	67.8	67.8	71.5	71.3	75.9	78.6	20
21 ...	76.4	79.3	77.0	75.7	71.4	68.1	65.1	68.9	71.4	71.8	75.4	78.0	21
22 ...	77.6	76.7	78.8	...	72.4	68.2	66.1	70.1	71.1	71.3	73.6	77.0	22
23 ...	77.4	76.0	77.9	75.7*	72.0	67.7	67.1	69.3	71.2	72.1	74.3	77.2	23
24 ...	77.6	76.7	76.4	72.9	69.6	67.7	67.6	70.2	71.6	73.8	74.5	78.4	24
25 ...	77.4	76.3	77.0	71.3	69.2	69.7	70.3	70.3	71.5	76.4	76.0	78.1	25
26 ...	77.7	77.6	76·9	73.2	69.1	68.8	68.6	71.5	69.5	75.4	75.3	79.9	26
27 ...	78.5	77.6	75.9	76.4	66.6	68.9	65.5	71.7	70.7	74.9	77.7	79.7	27
28 ...	77.4	77.0	76.2	76.5	66.8	68.7	69.1	71.0	70.3	74.4	76.7	79.2	28
29 ...	78.5		76.8	74.1	69.3	67.3	69.7	69.4	69.4	72.1	73.6	78.3	29
30 ...	78.0		76.7	74.1	69.1	66.7	69.5	69.7	70.1	70.5	77.8	78.2	30
31 ...	78.7		76.4		68.5		68.0	69.1		72.6		78.4	31
Means.	77.9	78.1	76.8	75.0	71.0	66.8	68.7	68.9	69.9	71.9	75.0	78.4	Means.

* Means of the observations at 6 & 15 hrs. The curve failed.

TABLE VIII.

Daily Maximum Temperature in Thermograph Screen during the year 1894.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	91.4	84.9	85.4	82.5	79.6	76.6	73.8	76.8	73.4	80.6	80.2	87.6	1
2	92.2	85.7	82.3	81.7	78.7	76.0	75.5	75.0	74.5	80.0	81.0	88.3	2
3	89.0	85.1	84.5	84.2	80.0	76.0	74.4	74.8	76.6	80.3	82.0	89.1	3
4	88.6	84.7	83.7	84.0	81.8	76.6	74.3	76.4	78.0	81.6	82.6	90.7	4
5	86.3	85.1	84.0	82.5	82.2	77.4	75.0	74.6	77.8	78.1	84.1	87.1	5
6	88.0	86.0	84.9	82.7	80.7	76.0	73.4	76.7	78.8	79.0	84.4	82.5	6
7	84.7	85.9	82.9	82.0	77.3	74.7	75.3	75.0	78.2	80.7	84.1	80.5	7
8	86.4	87.0	85.0	82.0	75.2	74.3	75.5	74.7	77.7	80.3	83.9	81.1	8
9	81.6	83.2	82.8	82.4	75.7	72.5	77.0	74.8	77.3	81.2	85.7	85.6	9
10	81.4	84.7	82.4	82.5	76.9	74.8	77.0	73.8	76.8	81.5	84.1	84.4	10
11	81.1	84.8	81.8	82.4	76.3	74.4	78.1	75.1	78.0	80.2	84.1	86.6	11
12	76.3	85.0	82.5	83.4	78.0	75.0	78.0	74,9	78.7	82.1	83,2	84.8	12
13	75.0	85.6	80.0	82.5	78.6	76.3	76.5	75.8	77.6	82.9	83.7	84 5	13
14	83.8	84.9	80.5	82.2	79.5	76.0	75.6	74.7	76.8	79.6	83.7	83.6	14
15	86.0	84.1	81.7	81.5	79.6	77.2	75.2	76.0	77.8	79.0	83.2	85.0	15
16	85.1	85.3	83.0	80.0	76.1	76.0	76.0	74.7	78.0	79.2	83.9	83.6	16
17	82.0	85.6	81.4	80.3	80.9	75 8	75.1	73 5	79.2	75.2	83.7	84.1	17
18	85.8	86.5	81.2	80.1	79.4	76.0	75.0	76.2	79.0	79.6	82.9	82.2	18
19	84.6	86.2	83.6	80.2	78.7	73.4	76.6	77.4	76.9	81.4	84.5	83.4	19
20	81.9	87.2	84.6	81.0	78.0	75.0	76.9	76.0	78.8	81.0	84.1	85.2	20
21	84.0	81.2	85.8	81.1	75.2	75.4	75.6	76.1	80.4	82.4	85.4	84.3	21
22	84.9	78.6	85.3	?	80.0	75.5	74 8	78.0	79.7	82.0	86.6	86.6	22
23	84.7	77.9	84.0	?	78.3	75.1	74.5	76.8	79.0	83.7	84.7	85.9	23
24	84.0	80.8	83.2	78.3	78.2	76.0	74.6	77.4	80.2	81.7	85.0	85.3	24
25	84.6	83.0	84.0	77.3	77.2	76.4	76.1	77.0	80.8	83 3	84 9	86.6	25
26	85.9	83.6	83.5	78.1	77.0	74.8	75.2	79.0	78.7	83.3	86.6	87.8	26
27	82.7	84.2	83.2	81.4	75.8	76.3	75.2	80.0	79.8	82.6	88.4	86.4	27
28	82.0	85.0	82.4	81.0	77.5	75.0	77.0	77.8	79.1	86.4	87.5	85.1	28
29	84.7		83.8	79.2	77.9	73.3	77.2	75.2	76.0	80.1	77.8	84.7	29
30	84.2		83.6	79.8	76.8	73.6	77.6	77.7	79.0	80.2	84.5	86.1	30
31	86.4		83.4		76.7		77.5	76.6		80.4		86.4	31
Means	84.6	84.3	83.2	81.4	78.2	75.4	75.8	76.1	78.1	80.9	84.0	85.3	Means.

TABLE IX.

Daily Minimum Temperature in Thermograph Screen during the year 1894.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1 ...	76.8	69.3	72.9	70.5	64.1	57.9	65.0	56.8	62.2	622	64.4	74.6	1
2 ...	74.4	71.0	70.9	70.1	68.9	59.0	63.4	60.1	63.4	673	67.7	76.3	2
3 ...	74.3	75.0	70.2	66.9	66.8	57.0	64.0	60.4	60.7	67.3	69.2	75.2	3
4 ...	71.1	74.1	71.9	69.1	69.6	56.7	63.8	64.3	64.5	65.6	67.6	73.3	4
5 ...	70.7	73.0	74.2	69.1	68.5	58.1	62.6	67.5	59.9	64.6	63.7	75.0	5
6 ...	71.1	71.0	73.7	71.0	63.7	58.9	63.7	63.2	58.3	65.2	66.2	75.0	6
7 ...	74.2	69.9	73 8	68.4	68.3	56.3	64.0	63.0	64.6	64.7	63.6	71.9	7
8 ...	75.0	75.1	72.9	69.6	62.8	58.9	65.2	62.9	64.6	65.7	64.6	73.7	8
9 ...	75.4	75 4	72.0	69.8	55.9	56.3	69.7	63.6	59.4	66.8	64.3	75.2	9
10 ...	75.4	73.2	73.5	70.9	57.0	51.0	71.0	64.0	59.7	63.2	69.4	71.3	10
11 ...	73.1	73.1	72.6	72.0	62.0	54.5	65.5	62.3	61.6	64.0	68.5	68.2	11
12 ...	72.1	71.9	72.3	69.6	64.4	58.1	64.4	63.4	69.2	62.9	67.5	72.3	12
13 ...	71.8	68.0	75.5	68.3	66.0	63.8	65.0	63.0	65.3	61.3	67.4	71.9	13
14 ...	73.3	74.1	71.1	68.3	66.0	61.2	63.4	63.5	65.6	63.3	68.0	72.9	14
15 ...	71.4	73.0	70.3	68.7	71.4	58.7	62.8	60.9	64.3	59.4	67.4	73.1	15
16 ...	70.0	72.0	71.2	69.4	69.9	55.0	62.2	61.3	63.0	58.5	70.3	74.6	16
17 ...	70.0	74.0	68.1	67.6	68 1	53 9	60.0	62.1	65.0	63.2	71.8	73.7	17
18 ...	69 2	74.2	65.8	67.7	69.0	58.7	62.0	65.0	64.6	63.1	70.1	74.0	18
19 ...	73.5	74.2	66.9	72.0	67.4	56.3	63.5	61.6	66.2	60.1	71.0	72.4	19
20 ...	72.5	76.0	68.5	72.0	68.9	61.3	58.0	60.0	66.4	60.7	69.8	73.4	20
21 ...	71.4	77.2	68.2	71.4	69.5	60.8	56.9	66.3	61.7	63.6	67.4	71.2	21
22 ..	71.9	74.2	73.9	71.3	66.6	61.9	58.2	65.5	63.3	59.3	63.3	68.5	22
23 ...	71.5	74.7	73 2	.....	67.2	61.9	60.5	64.8	65.7	61.2	63.0	67.6	23
24 ...	71.7	74.4	69.4	.....	66.1	59.0	60.5	65.5	63.7	65.4	61.3	72.2	24
25 ...	72.5	73.5	70.7	64 8	62.6	65.3	67.2	66.0	63.7	71.6	68.4	70.5	25
26 ...	72.8	73.6	70.6	68.4	62.3	64.9	59.5	65.7	61.3	69.0	62.6	75.5	26
27 ...	75.9	70.1	71.1	72.6	60.0	63.2	56.9	65.0	63.7	67.4	67.9	73.8	27
28 ...	75.0	69.1	71.3	74.6	56 8	64.2	60.9	66.5	64.4	64.5	71.4	75.4	28
29 ...	73.8		71.9	69.3	61.0	62.1	62.7	66.0	64.7	66.3	70.8	72.7	29
30 ...	73.8		70.6	70.0	61.2	60.4	61.7	63.4	63.0	59.5	73.1	69.8	30
31 ...	72.6		72.0		60.4		59.5	64.7		66.8		71.7	31
Means.	72.9	73.0	71.3	69.7	64.9	59.2	62.7	63.5	63.5	64.0	67.4	72.8	Means.

TABLE X.

Daily Range of Temperature in Thermograph Screen during the year 1894.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1 ...	14.6	15.6	12.5	12.0	15.5	18.7	8.8	20.0	11.2	18.4	15.8	13.0	1
2 ...	17.8	14.7	11.4	11.6	9.8	17.0	12.1	14.9	11.1	12.7	13.3	12.0	2
3 ...	14.7	10.1	14.3	17.3	13.2	19.0	10.4	14.4	15.9	13.0	12.8	13.9	3
4 ...	17.5	10.6	11.8	14.9	12.2	19.9	10.5	12.1	13.5	15.4	15.0	17.4	4
5 ...	15.6	12.1	9.8	13.5	13.7	19.3	12.4	7.1	17.9	13.5	20.4	12.1	5
6 ...	16.9	15.0	11.2	11.7	17.0	17.1	9.7	13.5	20.5	13.8	18.2	7.5	6
7 ...	10.5	16.0	9.1	13.6	9.0	18.4	11.3	12.0	13.6	16.0	20.5	8.6	7
8 ...	11.4	11.9	12.1	12.4	12.4	15.4	10.3	11.8	13.1	14.6	19.3	7.4	8
9 ...	6.2	7.8	10.8	12.6	19.8	16.2	7.3	11.2	17.9	14.4	21.4	10.4	9
10 ...	6.0	11.5	8.9	11.6	19.9	23.8	6.0	9.8	17.1	18.3	14.7	13.1	10
11 ...	8.0	11.7	9.2	10.2	14.3	19.9	12.6	12.8	16.4	16.2	15.6	18.4	11
12 ...	4.2	13.1	10.2	13.8	13.6	16.9	13.6	11.5	9.5	19.2	15.7	12.5	12
13 ...	3.2	17.6	4.5	14.2	12.6	12.5	11.5	12.8	12.3	21.6	16.3	12.6	13
14 ...	10.5	10.8	9.4	13.9	13.5	14.8	12.2	11.2	11.2	16.3	15.7	10.7	14
15 ...	14.6	11.1	11.4	12.8	8.2	18.5	12.4	15.1	13.5	19.6	15.8	11.9	15
16 ...	15.1	13.3	11.8	10.6	6.2	21.0	13.8	13.4	15.0	20.7	13.6	9.0	16
17 ...	12.0	11.6	13.3	12.7	12.8	21.9	15.1	11.4	14.2	12.0	11.9	10.4	17
18 ...	16.6	12.3	15.4	12.4	10.4	17.3	13.0	11.2	14.4	16.5	12.8	8.2	18
19 ...	11.1	12.0	16.7	8.2	11.3	17.1	13.1	15.8	10.7	21.3	13.5	11.0	19
20 ...	9.4	11.2	16.1	9.0	9.1	13.7	18.9	16.0	12.4	20.3	14.3	11.8	20
21 ...	12.6	4.0	17.6	9.7	5.7	14,6	18.7	9.8	18.7	18.8	18.0	13.1	21
22 ...	13.0	4.4	11.4	?	13.4	13.6	16.6	12.5	16.4	22.7	23.3	18.1	22
23 ...	13.2	3.2	10.8	?	11.1	13.2	14.0	12.0	13.3	22.5	21.7	18.3	23
24 ...	12.3	6.4	13.8	?	12.1	17.0	14.1	11.9	16.5	16.3	23.7	13.1	24
25 ...	12.1	9.5	13.3	12.5	14.6	11.1	8.9	11.0	17.1	11.7	16.5	16.1	25
26 ...	13.1	10.0	12.9	9.7	14.7	9.9	15.7	13.3	17.4	14.3	24.0	12.3	26
27 ...	6.8	14.1	12.1	8 8	15.8	13.1	18.3	15.0	16.1	15.2	20.5	12.6	27
28 ...	7.0	15 9	11.1	6.4	20.7	10.8	16.1	11.3	14 7	21.9	16·1	9.7	28
29 ...	10.9		11 9	9.9	16.9	11.2	14.5	9.2	11.3	13.8	7.0	12.0	29
30 ...	10.4		13.0	9.8	15.6	13.2	15.9	14.3	16.0	20.7	11.4	16.3	30
31 ...	13.8		11.4		16.3		18.0	11.9		13.6		14.7	31
Means.	11.6	11.3	11.9	11.7	13.3	16.2	13.1	12.6	14.6	16.9	16.6	12.5	Means.

TABLE XI.

Hourly and Monthly Means of the Temperature of Evaporation during the year 1894.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean for the year.	Variation + above − below Mean.	Hours.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
0 ...	71.7	72.1	71.2	69.2	65.6	59.6	63.5	62.8	63.7	64.0	66.8	72.4	66.9	− 1.3	0
1 ..	71.5	71.7	70.9	68.9	65.4	59.2	63.1	62.5	63.4	63.7	66.3	72.2	66.6	− 1.6	1
2 ...	71.7	71.6	70.7	68.8	65.2	58.9	63.2	62.6	63.2	63.4	66.2	72.0	66.5	− 1.7	2
3 ...	71.4	71.4	70.5	68.5	64.9	58.7	63.0	62.4	62.8	63.0	65.6	71.8	66.2	− 2.0	3
4 ...	71.4	71.3	70.4	68.4	64.7	58.7	62.7	62.4	62.4	62.9	65.6	71.6	66.0	− 2.2	4
5 ...	71.2	71.2	70.2	68.1	64.3	58.5	62.5	62.3	62.1	62.9	65.5	71.3	65.8	− 2.4	5
6 ...	71.4	71.3	70.2	68.2	64.2	58.3	62.5	62.4	62.2	63.4	66.8	72.0	66.1	− 2.1	6
7 ...	72.9	72.7	71.6	69.3	64.9	58.9	62.6	62.9	64.2	66.2	68.9	73.7	67.4	− 0.8	7
8 ...	73.6	73.7	73.3	71.4	68.4	62.7	66.1	64.7	66.3	67.1	69.1	74.4	69.2	+ 1.0	8
9 ...	73.9	74.2	73.6	71.8	69.2	64.1	66.3	65.2	66.8	67.3	69.2	74.7	69.7	+ 1.5	9
10 ...	74.4	74.6	74.0	72.3	69.6	64.5	66.6	65.7	67.2	67.6	70.0	75.2	70.1	+ 1.9	10
11 ...	74.3	74.6	74.2	72.4	69.8	64.4	66.7	65.7	67.1	67.9	70.0	75.3	70.2	+ 2.0	11
12 ...	74.6	74.9	74.6	72.8	70.3	65.0	67.1	66.2	67.3	68.1	70.2	75.6	70.6	+ 2.4	12
13 ...	74.5	74.6	74.3	72.7	69.8	65.0	66.8	65.8	67.3	68.1	70.2	75.5	70.4	+ 2.2	13
14 ..	74.4	74.9	74.5	72.7	69.5	65.2	66.9	65.8	67.2	68.1	70.4	75.5	70.4	+ 2.2	14
15 ...	74.0	74.6	73.8	72.3	69.2	64.6	66.6	65.4	66.9	67.5	70.1	75.0	70.0	+ 1.8	15
16 ...	73.9	74.3	73.7	71.9	68.7	64.5	66.6	65.3	66.5	67.2	69.8	74.5	69.7	+ 1.5	16
17 ...	73.3	73.6	73.2	71.2	68.2	63.9	66.0	64.6	65.9	66.7	69.3	74.1	69.2	+ 1.0	17
18 ...	73.2	73.5	72.7	70.7	67.6	63.0	65.3	64.1	65.4	66.4	68.6	73.5	68.7	+ 0.5	18
19 ...	72.9	73.0	72.2	70.4	66.9	62.0	64.7	63.7	64.9	65.9	68.3	73.2	68.2	0.0	19
20 ...	72.7	72.9	71.9	70.1	66.5	61.4	64.2	63.4	64.7	65.3	68.0	73.0	67.8	− 0.4	20
21 ..	72.4	72.6	71.6	69.7	66.0	60.8	64.0	63.3	64.4	64.9	67.7	72.8	67.5	− 0.7	21
22 ...	72.1	72.5	71.4	69.5	65.8	60.4	64.0	63.2	64.3	64.6	67.4	72.7	67.3	− 0.9	22
23 ...	71.9	72.4	71.1	69.1	65.4	60.1	63.7	62.9	63.9	64.3	67.3	72.4	67.0	− 1.2	23
Monthly Means.	72.9	73.1	72.3	70.4	67.1	61.8	64.8	64.0	65.0	65.7	68.2	73.5	68.2		Monthly means.

TABLE XII.

Daily and Monthly Means of the Temperature of Evaporation during the year 1894.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	74.0	70.9	74.7	70.4	67.9	62.8	63.9	61.4	62.9	65.0	62.9	75.5	1
2	74.4	73.9	72.9	70.7	68.1	62.5	63.3	62.6	63.6	67.0	63.9	76.2	2
3	73.4	73.6	72.2	70.9	69.3	61.7	63.0	61.0	65.0	65·6	65.5	75·6	3
4	72.8	74.4	72.7	72.1	71.7	62.1	63.6	65.1	65.6	65.8	66.7	75.2	4
5	72.2	73.0	72.9	72.3	71.5	63.3	63.6	67.1	64.1	65.8	67.5	74·7	5
6	71.9	71.5	73.6	72.0	68.3	62.2	63.8	65.4	64.0	66.4	68.2	74.2	6
7	74.0	72.1	72.5	71.0	67.7	61.0	64.6	64.7	65.3	66.0	67.3	73.2	7
8	74.1	75.6	72.5	69.9	63.3	61.7	65.7	61.5	64.7	66.9	67.7	74.2	8
9	74.8	75.0	72.2	71.1	59.8	59.6	69.9	63.3	63.9	67.5	68.1	75.6	9
10	74.7	73.9	71.4	72.1	62.0	57.4	70.4	63.2	63.1	65.9	70.4	74.3	10
11	74.2	73.0	72.1	72.3	64.7	59.7	69.1	62.8	64.4	65.9	66.9	72.2	11
12	72.2	71.8	72.6	71.0	66.7	61.8	67.1	62.7	67.8	65.2	66.9	71.7	12
13	71.3	71.7	75.7	70.4	68.0	64.3	67.3	61.7	65.3	65.8	67.7	73.0	13
14	73.9	72.8	72.5	70.5	69.6	62.9	66.0	61.4	64.6	65.5	67.6	72.4	14
15	72.0	72.4	71.2	70.5	71.8	61.9	66.1	61.6	64.4	61.2	69.2	73.4	15
16	71.5	72.5	71.3	69.7	70.4	58.3	65.0	59.8	63.9	62.5	70.4	72.8	16
17	70.9	73.4	70.2	68.1	70.6	60.0	61.4	64.0	64.4	64.5	70.7	72.2	17
18	71.5	73.3	69.6	70.5	69.1	62.2	62.8	64.7	65.4	64.8	69.7	72.8	18
19	73.0	74.7	71.6	72.5	67.8	58.8	64.5	63.9	66.3	63.7	70.0	71.8	19
20	70.9	73.6	71.9	72.9	69.3	61.3	63.4	63.1	66.5	64.5	69.3	73.0	20
21	70.7	72.9	71.5	73.1	69.7	61.8	61.5	65.0	66.5	65.3	67.4	73.6	21
22	71.0	73.3	74.6	71.1	69.2	62.9	63.0	65.2	66.5	64.9	66.6	72.3	22
23	71.2	73.6	72.7	67.6	68.7	62.4	63.5	65.5	66.4	65.8	66.4	71.8	23
24	72.1	71.8	71.1	65.1	66.3	62.1	64.1	65.8	66.9	67.0	66.9	73.5	24
25	71.6	71.5	71.5	64.6	65.8	64.2	66.6	64.8	65.8	70.2	68.8	73.0	25
26	73.2	74.1	71.9	66.1	64.7	63.9	63.2	66.8	64.3	70.6	67.5	75.4	26
27	75.4	73.3	71.9	73.2	62.0	64.7	61.0	68.0	64.3	69.4	70.5	74.3	27
28	74.2	73.2	72.3	71.8	63.0	62.9	65.5	65.8	65.1	69.2	71.3	74.3	28
29	74.0		72.9	70.1	64.6	60.6	65.8	65.8	65.3	65.1	70.8	73.0	29
30	74.3		72.8	69.4	64.4	61.9	65.8	64.4	63.4	60.7	73.5	72.3	30
31	73.8		72.7		63.3		62.9	65.0		62.1		71.5	31
Means...	72.9	73.1	72.3	70.4	67.1	61.8	64.8	64.0	65.0	65.7	68.2	73.5	Means.

TABLE XIII.

Hourly and Monthly Means of the Relative Humidity during the year 1894.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean for the year.	Variation + above − below mean.	Hours.
	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	
0	83.5	83.5	85.5	84.5	86.0	84.1	86.8	82.5	86.0	82.0	79.0	87.0	84.2	+ 8.8	0
1	84.5	84.0	86.5	83.5	86.2	83.2	88.0	83.0	86.2	83.0	80.0	87.5	84.6	+ 9.2	1
2	85.5	85.0	87.5	84.0	86.8	83.9	88.6	82.5	86.2	83.0	82.0	87.0	85.2	+ 9.8	2
3	86.0	85.0	88.0	84.5	87.5	83.7	87.4	82.5	87.0	83.8	82.5	87.5	85.4	+ 10.0	3
4	86.5	85.0	88.0	85.0	88.2	84.2	86.5	84.0	87.4	85.0	83.5	88.0	85.9	+ 10.5	4
5	86.5	86.0	88.0	85.1	88.8	84.5	88.0	85.3	85.6	85.5	84.0	87.5	86.2	+ 10.8	5
6	86.5	86.0	88.0	84.7	88.7	84.4	88.0	86.4	87.7	84.5	82.0	87.5	86.2	+ 10.8	6
7	81.5	82.1	84.5	84.5	88.9	85.9	87.6	84.5	83.5	75.5	72.4	80.9	82.6	+ 7.2	7
8	74.2	73.4	77.3	77.4	83.0	79.0	85.6	76.1	72.5	64.8	62.2	72.6	74.8	− 0.6	8
9	70.6	69.8	72.6	71.0	73.8	67.4	72.5	69.4	66.0	59.3	55.7	69.6	68.1	− 7.3	9
10	67.2	68.0	69.0	67.4	69.6	60.6	68.0	63.9	61.9	54.5	52.7	65.2	64.0	− 11.4	10
11	66.0	65.2	66.4	66.2	67.8	58.1	65.2	63.3	59.4	52.1	50.3	63.4	61.9	− 13.5	11
12	64.3	63.6	66.8	67.0	67.4	57.7	64.4	60.0	58.4	51.8	49.5	63.7	61.2	− 14.2	12
13	64.2	62.4	66.0	65.8	67.4	57.1	64.4	59.4	57.8	53.6	50.4	63.3	61.0	− 14.4	13
14	61.6	65.5	65.4	65.2	67.8	58.5	65.2	60.0	59.5	54.5	52.1	63.3	61.5	− 13.9	14
15	64.0	66.4	65.7	67.0	68.0	59.2	66.0	62.1	61.0	56.9	54.5	65.2	63.0	− 12.4	15
16	66.1	66.8	66.2	69.4	69.6	61.4	68.8	63.8	64.4	59.5	57.2	67.2	65.0	− 10.4	16
17	69.0	67.8	69.8	72.2	74.2	67.4	72.2	68.2	68.2	62.4	61.8	69.4	68.5	− 6.9	17
18	72.6	72.2	75.0	76.3	79.5	74.5	80.0	75.0	73.4	68.6	65.2	73.0	73.8	− 1.6	18
19	77.4	77.0	80.0	79.5	78.4	78.0	83.5	78.5	79.5	73.9	71.2	78.8	78.0	+ 2.6	19
20	80.1	79.9	81.9	81.0	83.5	80.0	84.7	79.5	82.0	75.5	75.4	81.5	80.4	+ 5.0	20
21	80.6	80.8	83.5	82.1	83.0	82.3	85.5	81.0	83.5	79.0	77.5	83.5	81.9	+ 6.5	21
22	82.0	82.0	84.5	82.5	85.0	82.4	87.0	81.5	84.5	79.5	77.5	85.0	82.8	+ 7.4	22
23	83.1	83.0	85.0	82.0	85.0	82.6	86.8	81.5	85.5	80.5	79.0	86.0	83.3	+ 7.9	23
Monthly means.	76.0	75.8	78.0	77.0	79.3	74.2	79.2	74.7	75.3	70.4	68.2	76.8	75.4		Monthly means.

TABLE XIV.

Daily and Monthly Means of the Relative Humidity during the year 1894.

Days.	January	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	
1 ...	63.7	70.2	81.7	73.6	77.7	80.0	77.0	74.2	79.0	65.8	56.1	78.9	1
2 ...	64.4	75.4	81.9	77.1	76.7	76.0	70.0	72.5	76.0	72.8	56.4	77·4	2
3 ...	67.0	72.2	74.2	78.1	83.5	77.5	74.0	64.0	75.5	64.6	61.9	74.4	3
4 ...	69.8	76.6	74.2	81·5	85 5	78.0	76.5	75.0	77.0	66.6	64.8	73.2	4
5 ...	71.8	70.6	73.8	82.0	80.3	80.0	74.5	83.0	76.5	76.2	70.4	73.4	5
6 ...	64.2	68.7	75.0	77.0	79.7	76.5	80.0	74.2	76.5	73.8	74.2	83.5	6
7 ...	76.2	71.4	76.6	80 5	77.1	74.0	75.6	79.0	79.5	68.6	69.6	86.5	7
8 ...	74.3	81.0	73 0	72.8	66.3	73.7	80.0	67.5	73.7	69.9	69.6	88.5	8
9 ...	81.4	84.0	75.4	75.9	69.2	75.0	86.0	76.0	80.5	74.1	64.8	82.5	9
10 ...	81.3	76.6	73.0	76.7	73.0	72.0	88.5	78.0	72.0	67.8	69.4	78.5	10
11 ...	87.5	73.4	78.7	75.0	74.1	75.5	83.0	75.0	71.8	67.8	62.4	74.2	11
12 ...	90.7	69.6	80.0	74.6	78.5	71.0	81.5	71.5	74.4	64.6	59.8	73.4	12
13 ...	90.0	72.6	88.5	80.0	80.5	73.3	83.5	64.4	74.5	74.6	63.9	80.0	13
14 ...	81.9	71.8	79.9	78.0	81.2	71.0	83.0	61.2	74.0	79.5	65.2	74.2	14
15 ...	70.2	76.2	77.2	81.5	87.0	72.0	88.0	65.6	71.8	60.4	69.2	75.8	15
16 ...	71.0	71.8	74.6	74.7	90.0	67.3	77.0	62.4	69.3	65.2	72.2	73.4	16
17 ...	78.5	72.6	75.5	70.0	84.5	75.0	71.4	82.0	67.4	77.5	72.6	71.4	17
18 ...	71.8	78.9	76.2	79.5	79.5	71.0	68.5	74.1	70.2	75.2	69.4	79.8	18
19 ...	73.8	76.9	79.2	87.5	76.8	67.4	74.7	73.5	80.5	67.4	68.6	73.0	19
20 ...	78.1	69.0	78.6	82.7	81.0	68.5	76.0	74.5	73.5	65.8	67.6	72.6	20
21 ...	72.2	69.4	73.0	86.0	90.0	66.8	80.0	78.5	73.9	67.0	62.4	77.4	21
22 ...	68.6	82.0	78.8	...	83.0	71.5	82.5	73.6	75.1	67.4	66.0	76.2	22
23 ...	70.2	87.0	74.2	62.3	82.5	71.5	80.0	79.0	74.2	67.8	62.4	73.4	23
24 ...	73.0	75.4	73.8	61.8	81.5	70.0	80.5	76.2	75.1	66.8	63.6	75.4	24
25 ...	71.8	75.8	73.0	66.2	81.0	71.2	79.5	71.0	70.2	70.2	66.2	74.6	25
26 ...	77.2	81.5	75·0	65.6	76.1	73.5	71.0	75.0	72.5	75.4	63.1	78.4	26
27 ...	83.5	78.1	79.9	83.0	75.0	77.0	75.5	79.5	67.4	72.4	66.2	73.7	27
28 ...	83.0	80.0	79.7	76.2	79.0	69.0	80.0	72.2	72.3	73.4	73.4	75.7	28
29 ...	77.0		80.3	79.0	74.8	65.2	78.5	80.0	77.5	64.0	85.0	73.8	29
30 ..	80.5		80.2	75.6	74.6	74 7	79.5	72.2	66.2	54.3	78.3	71.4	30
31 ...	75.4		80.9		72.0		72.5	77.5		52.5		67.8	31
Means.	75.5	75.3	77.3	76.4	79.1	72.8	78.3	73.6	73.9	68.7	67.2	76.2	Means.

TABLE XV.

Hourly and Monthly Means of the Dew-Point during the year 1894,

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation + above — below means.	Hours.
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 ...	69.4	69.8	69.2	67.0	63.7	57.3	61.7	60.3	61.8	61.4	63.9	70.7	64·7	+ 0.1	0
1 ...	69.4	69.5	69.0	66.7	63.6	56·8	61.5	60.0	61.6	61.3	63.5	70.5	64.4	− 0.2	1
2 ...	69.7	69.5	69.0	66.7	63.4	56.5	61.7	60.1	61.4	61.0	63.7	70.2	64.4	− 0.2	2
3 ...	69.5	69.3	68.9	66.4	63.2	56.3	61.3	59.9	61.0	60.8	63.1	70.1	64.1	− 0.5	3
4 ...	69.6	69 2	68.8	66.4	63.0	56.4	60.8	60.1	60.6	60.8	63.3	70.0	64.1	− 0.5	4
5 ...	69.4	69.3	68.6	66.1	62.8	56.3	60.8	60.2	60.0	60.9	63.3	69.6	63.9	− 0.7	5
6 ...	69.6	69.4	68.6	66.1	62.7	56.1	60.8	60.4	60.4	61.2	64.3	70.3	64.2	− 0.4	6
7 ...	70.4	70.3	69.5	67.1	63.3	56.9	60.8	60.7	61.9	62.8	64.9	71.1	65.0	+ 0.4	7
8 ...	70.0	70.0	70.2	68.1	66.1	59.7	64.2	61.3	62.4	61.8	63.3	70.6	65.6	+ 1.0	8
9 ...	69.7	69.9	69.4	67.6	65.4	59.2	62.4	60.7	61.7	60.9	62.3	70.2	64.9	+ 0.3	9
10 ...	69.6	69.9	69.6	67.6	65.2	58.4	61.8	60.1	61.4	60.4	62.5	70.1	64.7	+ 0.1	10
11 ...	69.3	69.4	69.3	67.5	65.0	57.7	61.4	59.9	60.8	60.1	62.1	69.8	64.4	− 0.2	11
12 ...	69.2	69.5	69.7	68.0	65.5	58.3	61.7	60.1	60.7	60.3	61.8	70.1	64.6	0.0	12
13 ...	69.1	69.0	69.3	67.7	64.9	58.2	61.4	59.5	60.6	60.7	62.0	70.0	64.4	− 0.2	13
14 ...	68.7	69.7	69.3	67.6	64.7	58.7	61.7	59.6	60.9	60.9	62 8	70.0	64.5	− 0.1	14
15 ...	68.6	69.6	68.7	67.5	64.6	58.1	61.5	59.4	60.9	60.7	63.0	69.9	64.4	− 0.2	15
16 ...	68.8	69.4	68.8	67.4	64.2	58.6	62.0	59.8	61.1	60.9	63.2	69.7	64.5	− 0.1	16
17 ...	68.9	69.0	68.9	67.2	64.5	59.0	62.1	59.9	61.2	61.0	63.4	69.8	64.6	0.0	17
18 ...	69.4	69.6	69.2	67.4	64.8	59.3	62.4	60.4	61.5	61.8	63.5	69.7	64.9	+ 0.3	18
19 ...	69.8	69.9	69.5	67.6	64.4	58.8	62.4	60.6	61.9	62.1	64.1	70.3	65.1	+ 0.5	19
20 ...	70.0	70.1	69.3	67.5	64.2	58 4	62.0	60.4	62.1	61.8	64.4	70.6	65.1	+ 0.5	20
21 ...	69.8	70.0	69.3	67.3	63.7	58.2	62.0	60.6	62.1	61.9	64.5	70.6	65.0	+ 0.4	21
22 ...	69.6	70.1	69.3	67.0	63.7	57.9	62.2	60.6	62.1	61.6	64.3	70.7	64.9	+ 0.3	22
23 ...	69.6	70.1	69.1	66.5	63.4	57.7	61.9	60.3	61.9	61.5	64.4	70.5	64.7	+ 0.1	23
Monthly means.	69.5	69.6	69.2	67.2	64.2	57.9	61.8	60.2	61.3	61.2	63.4	70.2	64.6		Monthly means.

TABLE XVI.

Daily and Monthly Means of the Dew Point during the year 1894.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1 ...	68.5	66.6	72.3	66.7	64.7	59.9	60.5	57.6	59.9	59.8	55.9	72.5	1
2 ...	69.0	70.5	70.4	67.5	64.7	59.0	58.9	58.6	60.1	63.0	56.9	73.0	2
3 ...	68.6	68.1	68.6	67.9	67.0	58.3	59.2	55.6	61.5	60.3	59.5	72.0	3
4 ...	68.5	71.2	69.1	69.6	69.7	58.9	60.2	61.5	62.3	60.9	61.4	71.0	4
5 ...	68.1	68.8	69.2	69.8	68.7	60.4	59.9	64.8	60.7	62.4	63.2	71.0	5
6 ...	66.5	66.9	70.2	69.0	65.4	58.8	61.0	61.7	60.7	62.7	64.5	72.0	6
7 ...	70.8	68.0	69.3	68.3	64.4	57.1	61.1	61.7	62.4	61.4	62.8	71.5	7
8 ...	70.6	72.9	68.6	66.1	58.3	57.7	62.9	56.7	60.9	62.4	63.2	72.3	8
9 ...	72.2	72.9	68.8	67.6	55.0	55.9	68.0	59.8	61.1	63.7	62.9	73.4	9
10 ...	72.2	70.7	67.6	68.9	58.0	53.1	68.8	60.0	59.0	61.2	65.9	71.4	10
11 ...	72.6	69.3	69.2	68.8	60.9	56.1	66.7	59.2	60.3	61.2	61.2	68.6	11
12 ...	71.0	67.3	69.9	67.3	63.7	57.5	64.6	58.6	64.0	59.8	60.7	67.9	12
13 ...	70.0	67.8	74.2	67.6	65.3	60.4	65.1	56.3	61.6	62.1	62.3	70.3	13
14 ...	71.4	68.8	69.8	67.5	66.9	58.7	63.7	55.4	60.8	62.6	62.4	68.8	14
15 ...	67.7	69.1	68.0	67.9	70.0	57.7	64.5	56.4	60.3	55.1	64.8	70.1	15
16 ...	67.3	68.5	67.7	66.1	69.0	53.3	61.7	53.9	59.4	57.3	66.3	69.0	16
17 ...	67.9	69.6	66.8	63.7	68.5	56.4	57.0	61.4	59.5	61.2	66.7	68.1	17
18 ...	67.2	70.4	66.2	67.7	66.2	57.9	58.2	60.9	61.0	61.2	65.1	70.0	18
19 ...	69.3	71.5	68.6	70.8	64.4	53.7	60.9	60.0	63.6	58.8	65.3	67.9	19
20 ...	67.9	69.2	69.0	70.6	66.6	56.6	60.0	59.4	62.7	59.3	64.6	69.1	20
21 ...	66.6	68.5	67.6	71.3	68.4	56.9	58.5	61.9	62.8	60.4	61.7	70.5	21
22 ...	66.4	70.9	71.7	.....	66.8	58.8	60.5	61.4	63.0	60.0	61.5	69.0	22
23 ...	66.9	71.9	69.1	61.9	66.2	58.2	60.6	62.6	62.8	60.1	60.7	68.0	23
24 ...	68.3	68.4	67.3	59.3	63.7	57.7	61.3	62.4	63.4	62.0	61.4	70.1	24
25 ...	67.5	68.1	67.6	59.5	63.2	60.0	63.8	60.5	61.5	65.8	63.7	69.4	25
26 ...	70.1	71.7	68.5	60.8	61.3	60.0	59.0	63.3	60.3	67.1	61.9	72.3	26
27 ...	73.3	70.3	69.0	71.0	58.3	61.3	57.3	65.1	59.4	65.4	65.5	70.6	27
28 ...	72.0	70.5	69.6	68.5	60.0	58.4	62.7	61.8	61.1	65.4	67.5	71.0	28
29 ...	70.9		70.2	67.2	61.0	55.3	62.8	63.0	62.1	59.8	68.7	69.3	29
30 ...	71.7		70.1	65.9	60.7	58.1	62.9	60.3	58.2	53.1	70.5	68.2	30
31 ...	70.4		70.1		59.2		58.9	61.8		54.3		66.7	31
Monthly Means.	69.4	69.6	69.2	67.1	64.2	57.8	61.7	60.1	61.2	61.0	63.3	70.1	

TABLE XVII.

Hourly and Monthly Means of the Vapour Tension during the year 1894.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean for the year.	Variation + above — below Mean.	Hours.
	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	
0 ...	0.718	0.728	0.713	0.661	0.590	0.470	0.550	0.524	0.552	0.545	0.594	0.751	0.616	+ .001	0
1 ...	.718	.721	.708	.655	.588	.462	.546	.518	.548	.543	.586	.746	.620	+ .005	1
2 ...	.726	.721	.708	.655	.584	.457	.550	.520	.545	.537	.590	.738	.611	— .004	2
3 ...	.721	.716	.706	.648	.580	.454	.543	.516	.537	.533	.578	.736	.606	— .009	3
4 ...	.723	.713	.704	.648	.576	.456	.533	.520	.529	.533	.582	.733	.604	— .011	4
5 ...	.718	.716	.699	.641	.572	.454	.533	.522	.518	.535	.582	.723	.601	— .014	5
6 ...	.723	.718	.699	.641	.570	.451	.533	.526	.526	.541	.603	.741	.606	— .009	6
7 ...	.744	.741	.721	.664	.582	.464	.533	.531	.554	.572	.615	.761	.623	+ .008	7
8 ...	.733	.733	.738	.687	.641	.512	.601	.543	.564	.552	.582	.749	.636	+ .021	8
9 ...	.726	.731	.718	.675	.626	.503	.564	.531	.550	.535	.562	.738	.622	+ .007	9
10 ...	.723	.731	.723	.675	.622	.489	.552	.520	.545	.526	.566	.736	.617	+ .002	10
11 ...	.716	.718	.716	.673	.617	.477	.545	.516	.533	.520	.558	.728	.610	— .005	11
12 ...	.713	.721	.716	.684	.628	.487	.550	.520	.531	.524	.552	.736	.614	— .001	12
13 ...	.711	.708	.726	.678	.615	.485	.545	.509	.529	.531	.556	.733	.610	— .005	13
14 ...	.701	.726	.716	.675	.611	.494	.550	.511	.535	.535	.672	.733	6.13	— .002	14
15 ...	.699	.723	.701	.673	.609	.483	.546	.507	.535	.531	.576	.731	.609	— .006	15
16 ...	.704	.718	.704	.671	.601	.492	.556	.514	.539	.535	.580	.726	.612	— .003	16
17 ...	.706	.708	.706	.666	.607	.500	.558	.516	.541	.537	.584	.728	.613	— .002	17
18 ...	.718	.723	.713	.671	.613	.505	.564	.526	.546	.552	.586	.726	.620	+ .005	18
19 ...	.728	.731	.721	.675	.605	.496	.564	.529	.554	.558	.598	.741	.625	+ .010	19
20 ...	.733	.736	.716	.673	.601	.489	.556	.526	.558	.552	.605	.749	.624	+ .009	20
21 ...	.728	.738	.716	.668	.590	.485	.556	.529	.558	.554	.607	.749	.623	+ .008	21
22 ...	.723	.701	.716	.661	.590	.480	.560	.529	.558	.548	.603	.751	.618	+ .003	22
23 ...	.723	.701	.711	.650	.584	.475	.554	.524	.554	.546	.605	.746	.614	— .001	23
Monthly Means.	.720	.721	.713	.665	.600	.480	.552	.522	.543	.541	.584	.739	.615		Monthly means.

TABLE XVIII.

Daily and Monthly Means of the Vapour Tension during the year 1894.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	
1 ...	.697	.652	.793	.655	.611	.516	.528	.475	.516	.514	.447	.799	1
2 ...	.708	.746	.744	.673	.611	.500	.498	.492	.520	.576	.464	.812	2
3 ...	.699	.687	.699	.682	.661	.487	.503	.441	.546	.524	.509	.785	3
4 ...	.697	.764	.711	.723	.726	.498	.522	.546	.562	.535	.545	.759	4
5 ...	.687	.704	.713	.728	.701	.526	.516	.613	.531	.564	.580	.759	5
6 ...	.650	.659	.738	.708	.626	.496	.537	.550	.531	.570	.607	.785	6
7 ...	.754	.684	.716	.692	.605	.467	.539	.550	.564	.545	.572	.772	7
8 ...	.749	.810	.699	.641	.487	.477	.574	.461	.535	.564	.580	.793	8
9 ...	.790	.810	.704	.675	.433	.447	.684	.514	.539	.590	.574	.823	9
10 ...	.790	.751	.675	.706	.482	.404	.704	.518	.500	.541	.637	.769	10
11 ...	.801	.716	.713	.704	.535	.451	.655	.503	.524	.541	.541	.699	11
12 ...	.759	.668	.731	.668	.590	.473	.609	.492	.596	.514	.531	.682	12
13 ...	.733	.680	.846	.675	.624	.526	.620	.454	.548	.558	.562	.741	13
14 ...	.769	.704	.728	.673	.659	.494	.590	.439	.533	.568	.564	.704	14
15 ...	.678	.711	.684	.682	.733	.477	.607	.456	.524	.434	.613	.736	15
16 ...	.668	.697	.678	.641	.708	.407	.550	.416	.507	.470	.646	.708	16
17 ...	.682	.723	.657	.590	.697	.456	.465	.545	.509	.541	.655	.687	17
18 ...	.666	.744	.644	.678	.644	.480	.485	.535	.537	.541	.620	.733	18
19 ...	.716	.772	.699	.754	.605	.413	.535	.518	.588	.496	.624	.682	19
20 ...	.682	.713	.708	.749	.652	.459	.518	.507	.570	.505	.609	.711	20
21 ...	.652	.697	.675	.766	.694	.464	.491	.554	.572	.526	.550	.746	21
22 ...	.648	.756	.777	.....	.657	.496	.528	.545	.576	.518	.546	.708	22
23 ...	.659	.782	.711	.554	.644	.485	.529	.568	.572	.520	.531	.684	23
24 ...	.692	.694	.668	.505	.590	.477	.543	.564	.584	.556	.545	.736	24
25 ...	.673	.687	.675	.509	.580	.518	.592	.528	.546	.635	.590	.718	25
26 ...	.736	.777	.697	.533	.543	.518	.500	.582	.524	.664	.554	.793	26
27 ...	.820	.741	.708	.759	.487	.543	.470	.620	.507	.626	.628	.749	27
28 ...	.785	.746	.723	.697	.518	.489	.570	.552	.539	.626	.673	.759	28
29 ...	.756		.738	.666	.537	.437	.572	.576	.558	.514	.701	.716	29
30 ...	.777		.736	.637	.531	.483	.574	.524	.485	.404	.746	.689	30
31 ...	.744		.736		.503		.498	.552		.422		.655	31
Means.	.720	.724	.714	.666	.606	.475	.552	.522	.541	.539	.585	.738	Means.

TABLE XIX.

Temperature of the Air in 1894. (Dry Bulb Ther. in Shade).

Months.	Monthly Means.*	Mean at 6 hours.	Mean at 9 hours.	Mean at 13 hours	Mean at 15 hours.	Highest Readings.	Lowest Readings.	Range in Month.	Mean of Highest Daily Readings.	Mean of Lowest Daily Readings.	Approximate Means.†	Mean Diurnal Range.	Greatest Diurnal Range.	Least Diurnal Range.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°
January	77.7	74.4	79.1	81.4	81.0	86.4	71.0	15.4	83·1	73.7	78.4	9.4	14.3	2.4
February	77.8	74.4	79.7	82.0	81.2	85.5	69.6	15.9	83.1	74.0	78.5	9.1	14.9	1.8
March	77.0	73.2	78.6	81.0	80.8	84.5	68.1	16.4	82.4	72.5	77.4	9.9	15.6	4.6
April	75.1	71.7	77.2	79.1	78.6	82.4	67.3	15.1	80.5	70.8	75.6	9.7	15.0	6.2
May	71.3	67.6	73.6	75.8	75.0	80.3	58.8	21.5	77.0	66.6	71.8	10.4	16.5	4.7
June	67.7	62.9	70.1	73.2	72.6	76.3	56.8	19.5	74.4	61.8	68.1	12.6	17.2	7.6
July	69.3	65.7	70.9	73.3	72.9	77.6	59.7	17.9	74.9	64.8	69.8	10.1	15.2	5.3
August	69.0	65.4	70.3	73.4	72.7	78.4	58.2	20.2	74.8	64.8	69.8	10.0	16.6	6.3
September	69.6	65.2	72.4	75.2	74.0	79.0	61.4	17.6	76.5	64.7	70.6	11.8	15.4	7.2
October	71.4	66.8	74.7	77.1	76.0	82.3	60.3	22.0	79.0	66.1	72.5	12.9	19.8	5.7
November	74.4	69.9	77.4	80.2	78.9	83.9	63.5	20.4	81.9	68.7	75.3	13.2	19.4	5.8
December	77.7	74.5	79.5	81.7	81.0	85.3	69.0	16.3	83.1	73.8	78.4	9.3	15.5	4.8
Means	73.2	69.3	75.3	77.8	77.1	81.8	63.6	18.2	79.2	68.5	73.8	10.7	16.3	5.2

TABLE XX.

Temperature of Evaporation in 1894. (Wet Bulb Ther. in Shade).

Months.	Monthly Means.*	Mean at 6 hours.	Mean at 9 hours.	Mean at 13 hours.	Mean at 15 hours.	Highest Readings.	Lowest Readings.	Range in Month.	Mean of Highest Daily Readings.	Mean of Lowest Daily Readings.	Approximate Means.†	Mean Diurnal Range.	Greatest Diurnal Range.	Least Diurnal Range.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°
January	73.1	72.0	74.1	74.5	74.3	78.4	69.0	9.4	76.1	71.1	73.6	5.0	7.0	2.6
February	73.2	71.9	74.1	74.8	74.5	78.3	67.4	10.9	76.3	71.0	73.6	5.3	8.3	1.9
March	72.4	71.0	73.7	74.4	73.9	78.4	66.1	12.3	75.9	70.2	73.0	5.7	12.3	2.5
April	70.6	69.0	72.1	72.6	72.3	77·1	61.2	15.9	74.2	68.1	71.1	6.1	10.0	3.5
May	67.1	65.1	69.0	69.8	69.2	74.8	56.0	18.8	71.3	64.3	67.8	7.0	12.1	3.2
June	62.0	59.4	64.2	65.0	64.7	70.4	54.2	16.2	66.5	58.7	62.6	7.8	12.4	4.9
July	64.9	63.3	66.3	66.8	66.6	73.2	58.1	15.1	68.5	62.3	65.4	6.2	9.1	3.2
August	64.0	62.7	65.2	65 8	65.4	70.8	57.2	13.6	67.5	61.8	64.6	5.7	10.7	3.4
September	64.7	62.8	66.5	67.0	66.7	70.4	58.9	11.5	68.5	62.2	65.3	6.3	9.3	2.2
October	65.5	63.8	66.9	67.8	67.3	73.4	55.3	18.1	69.2	62.8	66.0	6.4	10.6	3.2
November	68.3	66.9	68.7	69.5	69.7	75.3	58.0	17.3	71.1	65.5	68.3	5.6	10.5	2.4
December	73.3	72.1	74.1	74.7	74.5	78.0	67.1	10.9	76.2	71.2	73.7	5.0	9.2	2.1
Means	68.3	66.7	69.6	70.2	69.9	74.9	60.7	14.2	71.8	65.8	68.7	6.0	10.1	2.9

* The mean of the obervations at 6 and 15 hours.
† " maximum and minimum.

METEOROLOGICAL OBSERVATIONS.

TABLE XXI.

Dew Point in 1894. (Deduced).

Months.	Monthly Means.*	Mean at 6 hours.	Mean at 9 hours.	Mean at 13 hours.	Mean at 15 hours.	Highest in Month.	Lowest in Month.	Range in Month.	Greatest Diurnal Range.	Least Diurnal Range.
	°	°	°	°	°	°	°	°	°	°
January...	70.0	70.3	70.7	69.9	69.8	75.6	63.7	11.9	5.3	0.5
February	70.1	70.2	70.3	69.9	70.0	73.9	63.0	10.9	5.3	0.5
March	69.3	69.3	70.3	70.0	69.3	76.2	65,0	11.2	9.2	1.0
April	67.4	66.9	68.5	68.0	67.9	73.6	57.3	16.3	9.6	0.8
May	64.0	63.1	65 6	65.5	65.0	72.3	53.2	19.1	9.3	0.8
June	57.6	56.5	59.7	59.0	58.8	66.1	50.6	15.5	9.4	0.6
July	61.6	61.3	62.8	62.0	61.9	70.3	55.5	14.8	5.9	0.3
August	60.2	60.5	61.2	60.1	60.0	67.3	52.7	14.6	6.0	0.5
September	61.1	60.9	62.1	61.2	61.4	65.8	56.2	9.6	8.0	1.0
October...	61.2	61.3	61.2	61.3	61.1	68.9	51.2	17.7	5.7	1.3
November	63.8	64.4	62.6	62.1	63.3	70.6	54.6	16.0	7.9	1.4
December	70.2	70.4	70.4	70.0	70.1	74.2	63.8	10.4	7.4	0.6
Means	64.7	64.6	65.4	64.9	64.9	71.2	57.2	14.0	7.4	0.8

TABLE XXII.

Elastic Force of Vapour in 1894. (Deduced).

Months.	Monthly Means.*	Mean at 6 hours.	Mean at 9 hours.	Mean at 13 hours.	Mean at 15 hours.	Highest in Month.	Lowest in Month.	Range in Month.	Greatest Diurnal Range.	Least Diurnal Range.
	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.
January...	.736	.742	.752	.736	.731	.887	.591	.296	.119	.013
February	.740	.742	.743	.734	.738	.837	.576	.261	.120	.010
March	.718	.718	.743	.735	.718	.905	.617	.288	.227	.027
April	.676	.665	.703	.689	.688	.819	.470	.349	.229	.019
May	.603	.582	.637	.634	.624	.794	.407	.387	.176	.015
June	.479	.459	.512	.502	.499	.642	.369	.273	.181	.011
July	.552	.546	.576	.560	.558	.748	.441	.307	.124	.006
August	.526	.531	.543	.523	.522	.669	.399	.270	.115	.010
September	.541	.537	.559	.542	.545	,636	.452	.184	.146	.018
October	.545	.548	.545	.547	.543	.707	.376	.331	.106	.030
November	.597	.609	.573	.562	.586	.750	.428	.322	.168	.029
December	.742	.745	.745	.736	.739	.845	.592	.253	.175	.016
Means	.621	.619	.636	.625	.624	.770	.476	.293	.157	.017

* Mean of the observations at 6 and 15 hours.

METEOROLOGICAL OBSERVATIONS.

TABLE XXIII.

Relative Humidity in 1894.—Deduced, Complete Saturation=100.

Months.	Monthly Means.*	Mean at 6 hours.	Mean at 9 hours.	Mean at 13 hours.	Mean at 15 hours.	Highest in Month.	Lowest in Month.	Range in Month.	Greatest Diurnal Range.	Least Diurnal Range.
	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.	P. C.
January	78.3	87.0	76.1	69.4	69.6	93.0	49.3	43.7	36.2	2.5
February	78.2	86.9	73.0	67.3	69.5	94.5	52.2	42.3	36.8	8.4
March	77.8	87.3	75.8	69.7	68.4	93.6	59.0	34.6	29.0	6.2
April	77.5	85.2	74.9	68.8	69.9	93.0	55.4	37.6	29.3	6.8
May	78.5	85.5	76.3	71.0	71.6	94.6	48.9	45.7	34.0	6.5
June	71.0	79.9	69.3	61.2	62.1	90.8	45.9	44.9	30.0	9.2
July	77.2	86.0	75.9	68.0	68.5	94.8	50.2	44.6	36.6	7.8
August	74.5	84.5	73.1	62.3	64.6	91.6	50.4	41.2	33.9	10.3
September...	75.4	86.0	70.1	62.2	64.9	92.8	51.4	41.4	36.5	11.7
October	71.8	82.9	63.2	59.0	60.8	92.0	44.4	47.6	35.0	10.0
November	71.0	83.0	60.9	54.6	59.1	91.0	45.0	46.0	38.0	11.8
December	78.5	87.1	73.6	68.2	70.0	93.9	51.6	42.3	36.9	7.7
Means	75.8	85.1	71.8	65.1	66.6	93.0	50.3	42.7	34.3	8.2

TABLE XXIV.

Clouds in 1894.—(10=Overcast).

Months.	Upper.					Lower.				
	Monthly Means.†	Mean at 6 hours.	Mean at 9 hours.	Mean at 13 hours.	Mean at 15 hours.	Monthly Means.†	Mean at 6 hours.	Mean at 9 hours.	Mean at 13 hours.	Mean at 15 hours.
January	0.3	0.5	0.3	0.2	0.3	6.3	5.2	6.6	6.8	6.6
February	0.9	1.1	0.7	0.5	1.2	5.1	4.2	5.4	5.6	5.3
March	0.8	0.9	0.7	0.7	0.8	4.7	3.5	5.1	5.5	4.8
April	0.6	0.3	0.7	0.5	0.9	5.4	4.7	5.6	6.1	5.2
May	0.5	0.8	0.6	0.3	0.5	5.4	4.1	5.0	6.6	5.9
June	0.2	0.4	0.2	0.0	0.4	4.1	2.5	3.6	5.6	4.8
July	0.1	0.1	0.0	0.2	0.0	4.9	3.9	4.5	5.8	5.4
August	0.6	0.7	0.5	0.7	0.7	5.2	4.5	5.2	6.0	5.2
September...	0.3	0.0	0.4	0.3	0.4	5.4	4.4	5.6	5.5	6.1
October	0.8	1.3	0.9	0.3	0.8	4.5	3.2	4.3	5.2	5.3
November	0.7	1.0	0.6	0.5	0.8	4.6	3.9	4.7	4.7	5.1
December	1.2	1.9	1.1	0.8	1.1	5.6	4.2	5.8	6.1	6.5
Means	0.6	0.7	0.6	0.4	0.7	5.1	4.0	5.1	5.8	5.5

* Mean of the observations at 6 and 15 hours.

† " " 6, 9, 13 and 15 hours.

TABLE XXV.

Mean Daily Amount of Clouds during the year 1894.

Days.	January	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
1 ...	7.9	1.9	6.1	3.1	6.6	5.5	3.7	1.6	5.0	1.6	8.1	9.0	1
2 ...	3.5	8.1	6.4	4.1	6.7	3.9	3.6	5.9	6.2	6.3	6.0	7.5	2
3 ...	4.1	4.3	2.7	3.9	7.2	3.1	4.1	2.2	4.0	3.6	7.1	7.8	3
4 ...	4.6	5.7	5.6	5.8	8.6	4.3	4.7	6.7	7.6	3.2	5.8	6.2	4
5 ...	6.6	2.2	5.0	4.2	2.0	2.0	4.6	9.4	4.9	8.1	6.2	9.8	5
6 ...	3.0	2.5	4.2	8.9	3.6	6.1	4.6	9.2	2.9	6.0	6.0	9.4	6
7 ...	7.4	3.7	5.1	5.2	7.6	5.7	5.5	7.4	6.6	3.0	3.9	10.0	7
8 ...	6.5	8.4	3.0	3.6	2.7	6.5	3.0	3.0	5.1	5.9	5.6	9.7	8
9 ...	10.0	8.8	5.4	6.9	4.3	7.0	9.0	6.9	7.2	9.4	3.2	9.3	9
10 ...	9.9	4.2	3.5	6.7	3.3	1.7	9.5	7.0	6.2	4.0	3.2	7.7	10
11 ...	10.0	3.7	5.9	5.5	5.7	4.0	4.9	5.5	4.7	2.7	4.0	6.9	11
12 ...	10.0	2.2	9.2	4.2	6.6	1.2	5.6	4.5	6.9	1.9	4.3	5.3	12
13 ...	10.0	3.5	9.5	6.7	5.7	3.7	9.1	6.2	5.4	4.1	4.1	8.7	13
14 ...	9.6	3.6	8.2	5.6	5.8	3.0	6.0	6.9	6.4	8.5	4.2	4.6	14
15 ...	2.5	5.8	7.9	8.1	9.3	3.0	6.9	4.2	8.1	4.0	4.6	7.0	15
16 ...	4.7	5.2	3.2	3.4	9.9	3.0	7.5	8.7	5.2	6.9	5.4	8.5	16
17 ...	8.7	7.3	6.4	5.7	6.9	2.0	2.7	7.9	5.9	10.0	8.7	6.7	17
18 ...	4.0	7.3	5.2	6.9	9.4	5.1	3.5	4.6	5.3	9.3	4.9	9.9	18
19 ...	6.7	7.8	4.5	8.9	8.1	7.5	3.1	4.0	9.6	3.2	7.9	8.9	19
20 ...	9.1	7.7	2.8	7.8	8.1	7.6	1.2	5.5	4.4	3.9	4.7	3.7	20
21 ...	7.2	10.0	4.8	4.6	10.0	8.4	5.0	8.0	5.2	5.1	1.5	6.7	21
22 ...	3.1	10.0	8.1	7.9	5.9	4.3	5.1	3.5	4.4	1.8	3.2	5.0	22
23 ...	3.7	10.0	4.7	3.7	6.5	3.1	8.1	6.4	5.3	3.8	1.1	3.2	23
24 ...	4.0	9.5	3.0	3.2	7.1	5.8	6.0	6.5	3.0	3.7	1.2	4.2	24
25 ...	5.2	6.6	2.7	8.1	4.1	3.5	7.1	9.8	4.6	5.5	4.8	6.6	25
26 ...	5.7	6.2	4.9	6.7	2.3	4.6	2.9	5.0	5.2	7.7	5.6	5.1	26
27 ...	8.8	5.4	5.7	6.9	4.1	4.6	7.1	5.6	2.9	7.6	4.5	4.6	27
28 ...	7.9	5.2	7.8	6.9	5.1	1.1	4.2	3.6	8.2	7.9	10.0	5.8	28
29	5.2		7.3	8.1	3.4	2.0	2.7	5.9	8.9	7.3	10.0	5.8	29
30 ..	7.9		5.7	8.2	4.5	7.2	2.6	3.6	4.9	4.7	9.1	3.7	30
31 ..	7.4		5.7		0.9		0.4	5.0		6.7		4.7	31
Means.	6.6	6.0	5.5	6.0	5.9	4.3	5.0	5.8	5.7	5.4	5.3	6.8	Means.

TABLE XXVI.

Means and Extremes of Self-Registering Thermometers exposed on the lawn in 1894.

Months.	In the Screen.																					On the grass.				
	Maximum Temperature.					Minimum Temperature.					Mean Temperature.					Range of Temperature.						Minimum Temperature.				
	Means.	Highest.	Date.	Lowest.	Date.	Means.	Highest.	Date.	Lowest.	Date.	Means.	Highest.	Date.	Lowest.	Date.	Mean daily Range.	Greatest.	Date.	Least.	Date.	Range during month.	Means.	Highest.	Date.	Lowest.	Date.
	°	°		°		°	°		°		°	°		°		°	°		°		°	°	°		°	
January ...	87.1	93.5	3	75.5	13	71.4	76.6	10	67.2	18	79.2	82.8	1	73.3	13	15.7	23.9	4 & 18	4.3	13	26.3	69.4	74.6	10	65.1	16
February ...	86.5	89.9	18	78.3	23	71.7	76.2	21	64.9	13	79.1	82.2	20	76.0	28	14.8	23.7	13	4.1	23	25.0	69.1	73.0	21	62.2	13
March ...	85.4	88.8	22	80.6	13	69.9	74.0	14	63.6	18	77.6	80.7	22	73.7	18	15.5	23.2	21	6.8	13	25.2	67.2	72.9	14	59.6	18
April	83.9	86.9	3	80.4	25 & 26	67.9	73.6	28	62.0	25	75.9	78.3	28	71.1	25	16.0	22.3	3	9.5	28	24.9	64.3	71.4	28	56.1	25
May	80.9	86 5	6	76.5	21	63.1	69.6	15 & 16	52.9	9	72.0	75.9	15	66.1	9	17.8	26.3	9	7.9	16	30.6	59.6	68.7	16	48.7	9
June	78.2	81.1	4	74.6	9	57.1	63.2	26	50.6	10	67.6	70.5	26 & 27	64.2	9	21.1	29.1	17	14.2	29	30.5	52.3	58.6	26	44.6	10
July	78.4	82.0	11	76.5	4	61.4	69.3	10	53.2	27	69.9	75.1	11	65.5	27	17.0	25.1	21	9.8	10	28.8	57.8	68.9	10	48.6	27
August ..	78.7	82.9	27	76.6	8 & 17	62.0	66.6	5	54.0	1	70.3	73.3	26	66.9	1	16.7	25.8	1	10.1	5	28.9	58.2	64.9	5	49.3	1
September. ...	81.2	84.3	24	76.0	1	61.7	68.0	12	56.7	6 & 9	71.4	74.4	12	68.0	1	19.5	25.2	6	12.9	12	27.6	57.9	65.5	12	52.3	9
October ...	84.6	88.0	23	77.5	17	62.3	71.6	26	55.7	16	73.4	79.5	26	69.2	17	22.3	29.3	23	15.9	26	32 3	58.2	69.6	26	49.9	16
November ...	87.9	90.5	22	79.7	29	65.2	70.8	10	57.9	24	76.5	80.4	10	73.1	1	22.7	31.5	24	9.8	29	32.6	61.5	69.3	30	53.3	24
December ...	87.1	90.4	25	82.1	7	71.3	75.1	2	64.8	23	79.2	81.7	2 & 26	75.8	11	15.8	24.1	23	8 6	7	25.6	69.0	73.2	2	62.0	23
Means ...	83.3	87.1	...	77.9	...	65.4	71,2	...	58.6	...	74.3	77.9	...	70.2	...	17.9	25.8	...	9.5	...	28.4	62.0	69.2	...	54.3	...

NOTE.— The maximum and minimum thermometers are exposed in a Stevenson's screen. The minimum temperature on the grass is obtained from the readings of a self-registering minimum thermometer exposed on the grass near the above screen, the bulb being 6 inches from the ground.

TABLE XXVII.

Means and extremes of the readings of Self-Registering Wet Bulb Thermometers exposed on the Lawn in 1894.

Months.	Maximum Wet Bulb Thermometer.					Minimum Wet Bulb Thermometer.				
	Means.	Highest.	Date.	Lowest.	Date.	Means.	Highest.	Date.	Lowest.	Date.
	°	°		°		°	°		°	
January	78.1	80.5	27 & 28	74.1	13	70.2	74.1	10	66.2	18
February	78.8	81.8	9	75.6	24	70.2	73.6	9	65.0	13
March	78.1	81.3	22	76.2	10	69.2	73.0	1 & 14	63.3	18
April	76.4	80.2	5	70.5	25	66.9	71.0	19	60.5	25
May	73 2	76.8	15	67.3	9	62.6	69.2	16	52.3	9
June	68.5	71.9	1 & 5	65.1	19	56.2	61.3	27	50.3	10
July	70.4	74.7	10	66.9	17	60.6	69.0	10	53.0	27
August	69.7	73.9	27	65.4	16	60.6	65.6	5	54.2	1
September	71.1	73.7	24	68.6	2	60.7	65.8	12	56.5	9
October	71.8	75.8	26	67.5	30	61.0	70.0	26	54.1	30
November	73.7	77.8	28	68.8	2	63.9	69.2	10 & 30	57.2	24
December	77.9	80.2	26	76.3	17 & 19	70.3	74.3	2	65.2	11 & 23
Means	74.0	77.4		70.2		64.4	69.7		58.1	

The above Thermometers are exposed in ordinary hygrometric screens on the lawn, a few feet distant from the Stevenson's screen referred to in the previous table.

TABLE XXVIII.

Means of Readings of Dry and Wet Bulb Thermometers, exposed in an ordinary hygrometric screen on the Lawn, together with the deduced Dew Point, Relative Humidity and Vapour Tension.

Months.	Dry Bulb.			Wet Bulb.			Dew Point.			Relative Humidity.			Vapour Tension.		
	6 hours.	15 hours.	Means.	6 hours.	15 hours.	Means.	6 hours.	15 hours.	Means.	6 hours.	15 hours.	Means.	6 hours.	15 hours.	Means.
	°	°	°	°	°	°	°	°	°	P. C.	P. C.	P. C.	Inch.	Inch.	Inch.
January	72.8	83.9	78.3	71.5	75.7	73.6	70.5	70.3	70.4	93.0	64.1	78.5	.748	.741	.744
February	72.9	83.9	78.4	71 4	76.6	74.0	70.3	71.8	71.0	91.9	66.8	79.3	.742	.779	.760
March	71.1	83.6	77.3	70.2	76.0	73.1	69.5	70.9	70.2	94.7	65.6	80.1	.719	.757	.738
April	69.7	81.6	75.6	68.2	74.3	71.2	67.0	69.4	68.2	91.0	66.8	78.9	.662	.719	.690
May	64.4	77.5	70.9	63.7	70.8	67.2	63.1	66.1	64.6	95.8	68.2	82.0	.579	.643	.611
June	58.9	75.1	67.0	57.5	66.7	62.1	56.2	60.6	58.4	91.1	60.5	75.8	.453	.531	.492
July	63.2	75.2	69.2	62.0	68.4	65.2	61.0	63.5	62.2	92.8	66.8	79.8	.537	.587	.562
August	63 6	75.2	69.4	62.2	67.3	64.7	61.1	61.6	61.3	91.6	62.6	77.1	.538	.549	.543
September ...	62.9	77.5	70.2	61.7	68.9	65.3	60.7	62.9	61.8	92.8	61.1	76.9	.532	.575	.553
October	64.2	79.6	71.9	62.7	69.5	66.1	61.5	62.6	62.0	91.2	55.7	73.4	.546	.567	.556
November... ...	68.2	83.6	75.9	66.4	72.1	69.2	65.0	64.5	64.7	89.2	52.5	70.8	.618	.606	.612
December... ...	73 2	84.2	78.7	71.8	76.3	74.0	70.8	71.1	70.9	92.0	64.6	78.3	.754	.761	.757
Means	67.1	80.1	73.6	65.8	71.9	68.8	64.7	66.3	65.5	92.3	62.9	77.6	.619	.651	.635

TABLE XXIX.

Means and Extremes of the readings of two Thermometers, the bulbs of which are 5 and 10 feet respectively below the surface of the ground.

Months.	5 feet below.						10 feet below.					
	Means.	Maximum.	Date.	Minimum.	Date.	Range in month.	Means.	Maximum.	Date.	Minimum.	Date.	Range in month.
	°	°		°		°	°	°		°		°
January	78.91	80.0	14	77.7	1 & 2	2.3	75.80	76.2	31	75.5	1 & 2	0.7
February	79.53	79.9	27 & 28	79.2	1 to 4	0.7	76.60	76.8	24 to 28	76.2	1	0.6
March	79.86	79.9	1 to 22	79.7	28 to 31	0.2	76.97	77.1	31	76.8	1 to 5	0.3
April	79.67	80.0	6	79.4	27 to 30	0.6	77.23	77.4	30	77.1	2 to 7	0.3
May	78.74	79.4	1 to 3	78.1	30 & 31	1.3	77.48	77.5	28	77.4	1 & 11 to 13	0.1
June	77.06	78.1	1	76.1	29 & 30	2.0	77.43	77.5	1 to 17	77.3	28 to 30	0.2
July	75.42	76.0	1	75.0	30 & 31	1.0	77.02	77.3	1 & 2	76.7	30 & 31	0.6
August	74.69	75.0	1 & 2	74.4	26 to 31	0.6	76.61	76.8	4	76.4	28 to 31	0.4
September	74.70	75.0	29 & 30	74.4	1 & 2	0.6	76.17	76.3	1 & 2	76.0	27 & 28	0.3
October	75.44	75.8	31	75.1	1 to 5	0.7	75.94	76.0	1 to 4	75.9	10 to 17 & 22 to 26	0.1
November	76.49	77.4	29 & 30	75.8	1 to 3	1.6	76.03	76.1	23 to 30	75.9	1 to 8	0.2
December	78.33	78.9	29 to 31	77.5	1	1.4	76.29	76.5	26 to 31	76.1	1 to 7	0.4
Means	77.40	77.9	.....	76.9	.....	1.1	76.63	76.8	.....	76.4	.....	0.3

N.B.— The above observations have been corrected for the errors of the thermometers. The corrections for previous years, which were not applied, are as follows :

Year.	5 foot thermometer.	10 foot thermometer.
1886	— 0.1	
1887	— 0.1	— 0.1
1888	— 0.1	— 0.1
1889	— 0.2	— 0.2
1890	— 0.3	— 0.3
1891	— 0.4	— 0.4
1892	— 0.5	— 0.6
1893	— 0.6	— 0.7

TABLE XXX.

Means and Extremes of theReadings of Solar Thermometers in Vacuo in the Sun's rays in 1894.

Months.	Hicks No. 211,682					Hicks No. 508,310.				
	Means.	Maximum.	Date.	Minimum.	Date.	Means.	Maximum.	Date.	Minimum.	Date.
	°	°		°		°	°		°	
January	146.7	157.5	17	117.6	13	153.3	164.1	17	125.6	13
February...	146.2	159.4	9	113.0	21	153.3	167.2	9	118.6	21
March	145.3	152.2	21	126.8	13	152.9	160.1	21	132.5	13
April	142.6	149.8	2	135.8	24	150.3	157.3	2	143.1	30
May	134.9	142.4	3	95.7	21	142.4	150.3	3	99.7	21
June	133.2	144.0	1	124.7	28	140.8	152.5	1	131.8	28
July	133.0	141.7	13	127.6	31	140.4	149.3	13	134.7	31
August	135.5	145.2	27	122.0	5	143.2	152.8	27	128.5	5
September	141.1	147.5	30	131.3	1	148.9	154.8	30	139.6	2
October	144.4	152.6	9	117.2	17	151.5	160.6	9	123.1	17
November	146.8	155.3	5	106.6	29	153.3	162.4	5	111.5	29
December	146.1	158.2	13	114.6	7	152.9	166.5	13	119.8	7
Means	141.3	150.5		119.4		148.6	158.2		125.7	

NOTE.—The above solar thermometers are apparently of similar construction; the bulb and about 1 inch of the stem being coated with lamp-black. Hicks No. 211,682 has been in use since February 1885, the other since October 1890. When compared in 1884, after being mounted in its jacket, with the Kew Reference Standard, Hicks No. 211,682 had an error at 100° of + 0°.9. The errors of Hicks Thermometer No. 508,310 when compared, in June 1890, with the Kew Reference Standard No. 6 were as follows: at 80°, + 3°5; 90°, + 5°.0; 100°, + 5°,5; 110°, + 5°.0; 120°. + 6°.0; 130, + 6°.5; 140°, + 8°.0. They are mounted on wooden stands, the stems of the thermometers pointing N. and S., (bulb N.) No corrections have been applied to the above results.

TABLE XXXI.

Amount of Solar Radiation in 1894.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°	°	°	°	°	°	°	°	°	°	°	°
1 ...	65.7	63.2	60.3	58.9	58.6	63.8	55.7	54.6	55.3	53.2	61.6	64.9
2 ...	63.2	62.6	57.9	64.9	54.4	54.9	53.4	50.5	55.2	61.7	61.0	59.6
3 ...	58.9	61.8	58.3	60.3	59.0	54.8	53.2	58.5	58.7	51.6	57.5	60.9
4 ...	64.3	63.2	63.0	61.4	56.1	61.8	53.1	50.6	61.9	61.7	65.9	60.9
5 ...	71.5	56.4	62.1	60.3	48.4	53.0	52.5	45.3	61.4	64.8	69.1	55.0
6 ...	59.1	61.2	61.5	63.5	53.9	52.4	54.5	62.4	56.6	58.2	64.3	48.1
7 ...	56.3	60.7	63.4	60.7	58.9	58.7	53.6	60.2	58.4	58.1	55.5	32.5
8 ...	57.8	66.1	59.4	60.4	59.6	55.9	55.9	55.6	63.8	59.6	62.2	40.3
9 ...	44.3	72.7	62.6	59.3	55.6	52.9	53.6	59.3	59.4	68.4	58.7	62.4
10 ...	40.1	58.8	61.1	59.2	58.9	53.5	50.1	57.6	64.7	59.7	57.9	64.9
11 ...	55.5	62.2	56.0	57.1	55.3	55.9	57.5	57.3	58.3	60.0	61.6	63.5
12 ...	44.9	59.4	66.6	56.8	56.9	52.9	56.9	57.4	60.8	53.8	62.8	59.0
13 ...	42.1	60.0	46.2	61.2	54.7	53.1	62.2	58.6	60.0	60·5	56.8	70.6
14 ...	64.3	56.1	55.1	56.0	54.5	54.3	54.8	54.7	58.7	60.1	61.7	63.0
15 ...	53 5	60.7	62.1	63.6	52.8	59.1	55.2	58.2	57.1	67.4	61.9	61·3
16 ...	61.8	57.3	59.4	54.7	29.7	54.0	53.0	58.8	59.6	62.8	62.5	59.6
17 ...	70.8	63.3	65 9	59.9	54 1	53.5	55.7	56.5	62.1	39.7	61.6	59.3
18 ...	55 0	65.4	54.7	60.8	53.6	57.2	51.6	55.8	62.2	61.9	61.3	55.0
19 ...	61 7	63.8	64 6	57.9	56.9	53.8	58.2	61.8	63.4	54.5	57.1	61.2
20 ...	65.5	62.4	55.5	55.5	54.1	56.0	48.9	58.5	57.1	61.8	62.1	61.8
21 ...	63.7	31.4	63.9	54.8	19.2	57.2	54.0	58.0	61.5	63.8	52.2	61.1
22 ...	57.4	54.4	59.4	56.4	57.8	52.7	56.1	54.4	58.1	57.5	57.1	66.3
23 ...	64.5	36.9	59.1	56 7	57.6	51.1	58.6	58.3	59.5	58.3	53.8	59.7
24 ...	59.5	57.8	59.0	54.5	54.9	53.7	53.1	57.9	58.5	57.8	52.6	59.4
25 ...	63.0	64.5	60.2	61.1	58.6	53.2	54.2	58.1	61.5	58.1	58.3	58.1
26 ...	66.5	60.4	61.2	59.1	56.7	62.3	54.3	55.2	60.9	60.2	57.6	57.6
27 ...	66.5	65.7	61.9	54.4	59.4	55.9	56.9	62.3	55.0	58.7	62.5	62.7
28 ...	61.3	62.6	58.3	60.9	55.5	47.3	59.2	55.9	60.6	63.6	65.3	60.2
29 ...	63.3		60.0	53.9	58.5	50.2	53.1	55.5	63.2	65.9	26.9	62.8
30 ...	58.7		61.4	54.5	56.6	54.8	55.6	58.6	64.1	66.0	58.3	57.5
31 ..	69.0		58.8		52.4		47.4	56.0		65.9		58.9
Means ...	59.7	59.7	60.0	58.6	54.0	55.0	54.6	56.9	59.9	59.8	58.9	59.0

NOTE.—The amount of Solar Radiation is taken to be the difference between the maximum reading of Hicks Solar Thermometer No. 211,682 and the maximun temperature in Stevenson's Screen.

METEOROLOGICAL OBSERVATIONS.

TABLE XXXII.

Amount of Evaporation in 1894.

Months.	Total Evaporation.	Mean daily Evaporation.	Rainfall.	Excess of Evaporation over Rainfall.
	Inches.	Inch.	Inches.	Inches.
January	*5.905	0.246	1.425	+4.480
February	6.750	.241	5.150	+1.600
March	6.810	.220	4.320	+2.490
April	6·205	.207	5.900	+0.305
May	4.265	.138	4.495	−0.230
June	3.480	.116	0.820	+2.660
July	3.745	.121	2.245	+1.500
August	4.910	.158	2.440	+2.470
September	5.830	.194	1.600	+4.230
October	7.627	.246	1.110	+6.517
November	9.553	.318	1.330	+8.223
December	8.710	.281	5.950	+2.760
Totals and Mean	73.790	0.207	36.785	+37.005

The above observations have been made with an Evaporometer by Negretti and Zambra, consisting of a brass vessel, of the same diameter as Glaisher's raingauge, viz. 8 inches, placed on the lawn.

* 24 days.

TABLE XXXIII.

Daily Duration of Bright Sunshine during the year 1894.

Days.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Daily duration of sunshine.	Percentage of possible sunshine.	Daily duration of sunshine.	Percentage of possible sunshine.	Daily duration of sunshine.	Percentage of possible sunshine.	Daily duration of sunshine.	Percentage of possible sunshine.	Daily duration of sunshine.	Percentage of possible sunshine.	Daily duration of sunshine.	Percentage of possible sunshine	Daily duration of sunshine.	Percentage of possible sunshine.	Daily duration of sunshine.	Percentage of possible sunshine.	Daily duration of sunshine.	Percentage of possible sunshine.	Daily duration of sunshine.	Percentage of possible sunshine.	Daily duration of sunshine.	Percentage of possible sunshine.	Daily duration of sunshine.	Percentage of possible sunshine.
	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.
1 ...	7.4	56	11.9	92	7.3	59	9.8	83	7.6	67	5.4	50	8.1	74	10.3	92	8.5	73	10 0	82	4.0	31	8.7	66
2 ...	11.7	89	9.2	71	3.3	27	9.6	81	6.8	60	6.4	59	9.6	88	5.5	49	4 3	39	7.4	61	10.6	83	7.1	54
3 ...	9.8	74	11.1	86	10.3	83	8.1	69	3.4	30	8.1	74	7.3	67	10.1	90	10.2	87	9 8	80	7.5	59	9.7	73
4 ...	6.7	51	10.3	89	8.2	66	8.3	70	5.1	46	6.3	58	9.8	90	5.1	46	4.0	34	10.1	82	7.8	60	10.3	78
5 ...	3.2	24	11.4	88	10.3	83	10.1	86	10.4	93	9.9	91	7.8	72	2.1	19	6.5	56	5.1	41	7.0	54	1.0	8
6 ...	11.4	86	11.0	86	10.0	81	7.6	65	7.8	70	3.5	32	7.0	64	4.2	37	9.5	81	8.3	67	4.7	36	.0	0
7 ...	7.0	53	11.0	86	9.5	77	6.9	59	6.1	54	5.5	50	8.9	82	6.6	59	8.5	72	10.2	83	9.3	72	.0	0
8 ...	9.1	69	6.9	54	10.5	85	9.7	83	8.8	79	4.8	44	8.0	73	10.0	88	8.6	73	5.9	48	9.5	74	.3	2
9 ...	.5	4	4.4	34	10.3	84	9.6	82	9.3	83	4.0	37	5.5	50	7.3	65	3.1	26	3.2	26	10.2	79	7.3	55
10 ...	.0	0	10.9	85	9.4	76	8.0	68	9.0	80	10.2	94	2.8	26	8.2	73	6.2	53	10.4	84	10.1	78	10.3	78
11 ...	1.1	8	10.8	84	7.5	61	8.5	73	6.0	54	7.4	68	8.3	76	8.0	71	9.5	80	11.0	89	11.2	87	8.2	62
12 ...	.0	0	11.8	93	3.9	32	8.8	76	6.5	59	10.1	93	8.6	79	8.2	73	9.1	76	10 0	81	11.0	85	8.1	61
13 ...	.0	0	11.3	89	1.3	11	5.3	46	8.2	74	9.8	90	5.1	47	6.8	60	8.4	71	7.8	63	11.6	89	5.4	41
14 ...	.2	2	9.7	76	4.6	38	6.3	54	7.0	63	9.4	86	7.7	71	7.2	64	7.9	66	.7	6	11.5	88	9.2	69
15 ...	11.4	87	7.8	61	8.7	72	5.3	46	2.4	22	9.5	87	3.2	29	7.5	66	8.2	69	10.9	87	11.1	85	10.5	79
16 ...	10.6	81	11.0	87	10.0	83	10.1	87	.0	0	7.9	72	6.1	55	2.3	20	10.1	85	8.2	66	10.2	78	8.2	62
17 ...	3.1	24	8.6	68	7.5	62	9.3	80	9.4	85	9.9	91	9.5	86	6.5	57	9.0	75	.0	0	9.1	70	10.1	76
18 ...	10.4	79	3.6	28	3.0	25	8.2	71	.9	8	5.2	48	9.9	90	7.0	61	9.6	80	1.1	9	9.9	76	2.5	19
19 ...	9.2	70	7.1	56	10.3	85	3.3	29	1.7	15	7.7	71	10.1	92	7.7	68	3.5	29	9.5	75	11.5	88	6.2	47
20 ...	1.9	15	3.9	31	10.5	87	6.0	52	.5	5	6 7	61	8.3	75	8 2	71	10.3	86	11.6	92	8.6	66	11.5	86
21 ...	5.9	45	.0	0	10.0	83	7.7	67	.0	0	3.6	33	4.8	44	5.2	45	7.9	66	7.0	56	11.7	89	8.6	65
22 ...	10 5	81	.0	0	7.0	58	2.1	18	9.3	85	8.1	74	5.6	50	9.3	81	8.1	67	11.5	91	7.7	59	7.6	57
23 ...	11.0	85	.0	0	10.6	88	9.9	87	6.0	55	10.3	94	7.6	69	5.6	49	7.9	65	9.6	76	12.0	92	11.7	88
24 ...	10.6	82	4.2	32	10.9	91	10.0	88	4.6	42	7.4	68	4.8	43	7.1	62	10.4	86	10.9	86	11.9	91	10 7	80
25 ...	9.2	71	5.1	41	10.9	91	2.8	25	7.4	67	9.5	87	7.7	69	2.1	18	9.5	79	11.3	89	11.1	85	7.6	57
26 ...	7.8	60	10.2	82	10.3	86	8.1	71	10.1	92	9.1	83	9.6	86	9 5	82	8.6	71	7.4	58	9.3	71	10.3	77
27 ...	4.7	36	10.7	86	8.5	71	8.2	72	5.7	52	8.7	80	6.2	56	5.9	51	10.4	85	9.7	76	10.5	80	11.5	86
28 ..	4.6	35	7.3	58	6.7	56	7.4	65	8.0	73	9.9	91	9.6	86	9.9	85	6.7	55	9.9	77	1.7	13	10.3	77
29 ...	10.5	81	...	...	8.2	69	5.1	45	7.5	68	9.2	84	10.2	92	6.4	55	3.0	25	6.7	52	0	0	10.9	82
30 ...	4.6	36	...	...	8.5	71	3.9	35	7.0	64	7.2	66	10.2	92	8.9	77	9.2	75	9.3	73	5.4	41	11.0	83
31 ...	9.8	76	...	...	8.7	73	...	...	9.3	85	...	...	9.8	88	8.6	74	...	...	6.9	54	...	...	11.4	86
Totals and Means ...	203.9	50	221.2	62	256.7	68	224.0	64	191.8	56	230.7	71	237.7	70	217.3	62	236.7	66	251.4	65	267.7	69	246.2	60

The above and following tables have been compiled from the daily records of an improved "Campbell Sunshine recorder," by Negretti and Zambra. In general no trace is obtained when the Sun's altitude is less than 5°, and when it shines through clouds or mist. The instrument is placed on a stand on the roof of the Observatory, 42½ feet above the ground.

TABLE XXXIV.

Total Amount of Bright Sunshine registered in each hour of the day for each Month of the year 1894.

Months.	Registered duration of Sunshine in the hour ending														Total hours of Sunshine.	Corresponding period (in hours) during which the sun was above the horizon.	Percentage of possible Sunshine.
	6 h.	7 h.	8 h.	9 h.	10 h.	11 h.	12 h.	13 h.	14 h.	15 h.	16 h.	17 h.	18 h.	19 h.			
January	...	12.2	21.9	20.3	21.4	19.1	19.1	18.7	19.1	16.5	15.3	12.2	8.1	...	203.9	406.3	50
February	...	9.1	18.7	22.1	20.7	22.4	22.0	22.2	22.2	17.8	17.1	15.7	11.2	...	221.2	355.7	62
March	...	8.5	20.5	22.8	23.2	23.7	24.6	24.7	24.9	24.7	25.8	24.1	9.2	...	256.7	376.5	68
April	...	2.9	19.1	22.4	22.7	23.1	22.7	23.0	22.7	22.6	21.5	18.4	2.9	...	225.0	347.3	64
May	...	2.5	19.3	21.7	21.9	22.0	21.5	18.4	17.9	17.2	16.7	11.5	1.2	...	191.8	344.3	56
June	...	1.4	23.9	25.8	25.2	25.8	24.7	24.0	21.7	20.6	20.1	16.2	1.3	...	230.7	327.0	71
July	...	0.6	19.5	24.7	26.7	25.1	25.6	23.2	22.9	24.3	22.7	20.5	1.9	...	237.7	340.9	70
August	...	1.7	16.1	20.5	24.3	22.6	24.9	23.9	20.8	22.6	20.0	18.1	1.8	...	217.3	353.2	62
September... ...	...	4.4	20.7	23.1	24.3	25.3	25.2	25.9	22.7	21.8	20.2	16.8	6.3	...	236.7	358.2	66
October	...	10.9	18.8	24.0	24.0	27.7	27.0	24.8	23.4	21.5	19.9	19.3	10.1	...	251.4	387.5	65
November	...	14.5	21.4	23.7	25.2	25.2	26.7	26.7	23.7	22.4	21.3	21.8	15.1	...	267.7	389.8	69
December	...	12.4	20.3	22.9	24.0	24.4	24.0	24.5	23.4	22.4	19.2	17.2	11.3	.2	246.2	411.3	60

The hours are reckoned from apparent midnight.

TABLE XXXV.

Monthly Rainfall in 1894, with the Means for the period 1875—1894, as recorded by Glaisher's Raingauge.

Months.	1875—1894.				1894.				Excess or defect in 1894.	
	Mean Rainfall.	No. of days.	Greatest fall in 24 hours.	Date.	Rainfall.	No. of days.	Greatest fall in 24 hours.	Date.	Rainfall.	No. of days.
	Inches.		Inches.		Inches.		Inches.		Inches.	
January	7.51	19	4.50	6—1888	14.58	20	3.70	11	+ 7.07	+ 1
February	6.21	19	7.32	13— 92	4.48	18	1.91	23	— 1.73	— 1
March	7.96	20	7.45	21— 79	3.99	17	1.36	14	— 3.97	— 3
April	5.96	18	3.97	15— 76	6.11	18	2.41	20	+ 0.15	0
May	4.05	16	11.24	7— 84	4.41	16	1.49	22	+ 0.36	0
June	2.00	17	1.18	6— 85	0.76	10	0.29	27	— 1.24	— 7
July	2.38	19	2.06	11— 78	2.29	19	0.50	10	— 0.09	0
August	2.16	19	1.06	1— 89	2.09	22	0.24	24	— 0.07	+ 3
September	1.46	15	1.10	22— 82	1.88	16	0.48	2	+ 0.42	+ 1
October	1.73	14	1.83	29— 75	1.11	14	0.42	5	— 0.62	0
November	1.90	11	2.04	24— 77	1.31	10	1.07	30	— 0.59	— 1
December	5.11	18	4.39	23— 78	5.90	16	2.60	8	+ 0.79	— 2
Totals	48.43	205			48.91	196			+ 0.48	— 9

TABLE XXXVI.

Daily Rainfall in inches during the year 1894.

Days.	January	February	March	April	May	June	July	August	September	October	November	December
1	.....	.....	0.020	0.020	.....	.....	0.185	.....	0.450	0.020	.....	0.025
2	.....	.....	.....	.010	0.015	.....	.015	0.085	.050	.030	.....	.....
3	.....	0.045	.....	1.160	.020	.....	.130	.....	.....	.....	.....	.....
4	.....	.030	.040	.....	.260	.....	.125	.....	.030	.....	0.025	.....
5	0.040	.....	.....	0.050	.230	.....	.025	.125	.....	.430	.015	.840
6	.....	.....	.010	.....	.....	.....	.065	.....	.060	.090	.045	.150
7	.265	.010	.050	.....	.480	.....	.010	.250	.080	.005	.....	2.195
8	.290	.095	.010	.....	.....	0.010	.060	.085	.....	.....	.....	0.910
9	.645	.630	.425	.025	.....	.....	.125	.105	.035	.....	.....	.775
10	.395	.....	.....	.010	.....	.....	.570	.100	.....	.015	.....	.....
11	4.335	.035	.480	.005	.020	.....	.....	.130	.....	.....	.....	.....
12	2.765	.....	.560	.....	.160	.....	.015	.165	.....	.020	.....	.125
13	3.805	.....	1.840	.145	.....	.025	.025	.020	.035	.030	.010	.260
14	0.965	.045	0.260	.....	.....	.005	.015	.010	.110	.125	.....	.....
15	.....	.165	.....	.880	.225	.....	.230	.....	.020	.....	.010	.050
16	.....	.035	.....	.510	1.010	.....	.....	.....	.020	.....	.020	.010
17	.070	.015	.....	.010	0.020	.....	.....	.250	.....	.115	.030	.005
18	.....	.390	.....	.060	.010	.040	.....	.....	.040	.090	.....	.085
19	.055	.045	.....	2.555	.....	.....	.....	.....	.410	.....	.....	.....
20	.185	.155	.....	0.120	.....	.....	.....	.035	.120	.045	.010	.....
21	.....	.095	.....	.070	1.520	.055	.015	.065	.....	.....	.....	.350
22	.....	.820	.085	.045	.....	.025	.115	.020	.....	.....	.....	.025
23	.....	2.215	.010	.....	0.035	.055	.015	.080	.035	.....	.....	.....
24	.020	0.050	.....	.....	.330	.....	.060	.170	.....	.....	.....	.....
25	.....	.240	.010	.....	.160	.050	.210	.....	.....	.....	.....	.070
26	.225	.015	.....	.....	.....	.135	.250	.....	.025	.095	.....	.030
27	.205	.....	.235	.185	.....	.185	.....	.130	.....	.....	.....	.....
28	.195	.....	.100	.....	.....	.....	.....	.....	.040	.....	.080	.070
29	.....		.020	.035	.....	.....	.....	.200	.040	.....	.890	.....
30	.145		.025	.010	.....	.220	.....	.055	.....	.....	.170	.....
31	.....		.160		.....		.....	.360		.....		.....
Totals ...	14.605	5.130	4.340	5.905	4.495	0.805	2.260	2.440	1.600	1.110	1.305	5.975

The above and two following tables have been compiled from the daily records of Beckley's Self-Recording Raingauge by Hicks. In the above table the daily falls are the falls from 0 to 23 hours.

TABLE XXXVII.

Hourly Rainfall in inches during the year 1894.

Months.	January.			February.			March.			April.			May.			June.			July.		
Hours.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.
	Inch.	H. M.		Inch.	H. M.		Inch.	H. M.		Inch.	H. M.		Inch.	H. M.		Inch.	H. M.		Inch.	H. M.	
0 ...	0.135	1—20	3	0.425	3—28	7	0.230	1—40	3	0.395	1—30	2	0.580	2—35	3	0.025	1—10	2	0.370	3—38	8
1 ...	.645	2—40	5	.345	3—45	7	.345	3—10	6	.155	1—00	1	.100	1—55	3	.105	1—15	2	.155	2—49	8
2 ...	.990	3—30	5	.195	1—25	2	.315	3—15	7	.065	1—07	3	.230	1—30	2	.040	1—20	3	.150	3—00	6
3 ...	1.585	3—40	7	.415	3—25	8	.290	2—20	4	.105	2—20	5	.045	0—55	2	.030	1—05	2	.145	3—10	7
4 ...	1.810	3—35	9	.190	2—37	5	.110	1—40	3	.020	0—42	2	.495	1—30	3	.015	1—07	2	.380	2—45	4
5 ...	0.335	2—30	5	.265	2—55	6	.110	1—00	3	.015	0—40	1	.090	1—25	3	.160	1—15	3	.085	1—07	3
6 ..	1.155	3—32	9	.165	1—55	3	.065	0—40	2	.085	1—40	3	.045	1—20	2	.055	0—30	1	.005	0—15	1
7 ...	0.440	3—05	6	.210	2—30	5	.495	0—50	2	.215	1—55	4	.010	0—15	1	.015	0—55	1	.010	0—10	2
8 ...	.435	3—47	6	.495	1—30	2	.165	1—42	5	.010	0—10	1	.000	0—00	0	.005	0—10	1	.035	0—30	3
9 ...	.465	2—30	5	.055	0—55	2	.105	2—30	4	.000	0—00	0	.035	0—25	2	.000	0—00	0	.015	0—35	2
10 ...	.390	2—57	6	.145	0—40	3	.340	1—07	2	.015	0—05	1	.205	0—42	2	.025	0—05	1	.000	0—00	0
11 ...	.355	2—20	5	.125	1—15	2	.245	0—50	1	.035	0—20	1	.300	1—00	1	.000	0—00	0	.000	0—00	0
12 ...	.615	3—52	7	.085	1—00	1	.100	1—10	3	.265	1—27	6	.095	1—20	2	.045	0—35	2	.040	0—27	2
13 ...	.715	4—40	9	.135	1—45	2	.410	1—55	3	.010	0—15	1	.200	2—00	4	.000	0—00	0	.075	0—40	2
14 ...	.270	1—45	5	.365	2—40	5	.160	0—20	1	.000	0—00	0	.105	2—00	5	.000	0—00	0	.185	1—10	3
15 ...	.200	2—40	6	.275	3—55	8	.075	1—00	2	.200	1—20	4	.610	3—07	5	.005	0—20	1	.000	0—00	0
16 ...	.425	2—25	6	.205	2—30	5	.030	0—30	2	.440	1—57	3	.420	2—42	6	.000	0—00	0	.070	0—45	3
17 ...	1.085	3—25	7	.275	2—45	6	.070	1—00	2	1.675	2—32	4	.290	3—15	5	.005	0—07	1	.020	0—27	3
18 ...	0.440	3—45	6	.135	1—15	3	.065	1—10	3	0.520	3—05	4	.155	2—35	4	.010	0—30	1	.185	1—25	4
19 ..	.375	3—10	5	.275	2—50	5	.085	1—15	2	.180	1—17	3	.125	2—35	4	.050	0—10	1	.035	1—13	3
20 ...	.310	2—20	5	.050	1—25	4	.050	0—50	4	.355	1—35	3	.170	1—30	2	.000	0—00	0	.010	0—07	1
21 ...	.260	1—55	3	.110	2—25	5	.100	1—25	4	.210	1—55	4	.065	2—00	2	.100	0—42	3	.060	0—35	1
22 ...	.465	2—20	4	.070	1—35	4	.110	1—20	2	.135	1—30	3	.065	1—40	2	.080	0—22	2	.115	2—25	5
23 ...	.705	2—35	4	.120	1—35	3	.270	1—00	2	.800	2—05	3	.060	1—20	2	.035	1—42	3	.115	3—57	8
Totals..	14.605	70—18	138	5.130	51—50	103	4.340	33—44	72	5.905	30—27	62	4.495	39—36	67	0.805	13—20	32	2.260	31—10	79

TABLE XXXVII.—(Continued.)

Hourly Rainfall in inches during the year 1894.

Months.	August.			September.			October.			November.			December.			Means.		
Hours.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.
	Inch.	H. M.		Inch.	H. M.		Inch.	H. M.		Inch.	H. M.		Inch.	H. M.		Inch.	H. M.	
0	0.265	2—10	3	0.240	1—42	5	0.010	0—15	1	0.010	0—15	1	0.210	2—15	5	0.241	1—50	4
1	.025	0—30	2	.015	0—10	1	.000	0—00	0	.015	0—40	1	.060	1—05	3	.164	1—35	3
2	.060	1—57	5	.000	0—00	0	.000	0—00	0	.100	0—30	2	.035	0—45	2	.182	1—32	3
3	.230	1—22	4	.005	0—15	1	.000	0—00	0	.100	0—57	3	.150	1—35	4	.258	1—45	4
4	.055	2—00	4	.050	0—50	2	.035	0—25	1	.010	0—07	1	1.045	3—40	8	.351	1—45	4
5	.195	1—30	3	.045	0—50	2	.210	1—00	3	.005	0—10	1	0.055	0—45	3	.131	1—16	3
6	.115	1—50	6	.085	1—35	3	.020	0—25	1	.040	0—35	3	.170	0—40	1	.167	1—15	3
7	.060	0—40	3	.065	1—22	4	.195	0—22	2	.080	0—40	1	.230	1—10	3	.169	1—09	3
8	.135	2—50	7	.005	0—05	1	.050	0—29	2	.000	0—00	0	.125	0—25	1	.122	0—58	2
9	.100	1—32	3	.070	0—40	1	.000	0—00	0	.000	0—00	0	.015	0—35	1	.072	0—48	2
10	.085	1—00	1	.000	0—00	0	.020	0—12	1	.010	0—07	1	.000	0—00	0	.103	0—35	1
11	.150	1—57	5	.025	0—10	1	.000	0—00	0	.290	0—40	1	.010	0—07	1	.128	0—43	1
12	.005	0—15	1	.045	0—30	1	.000	0—00	0	.550	1—00	1	.020	0—07	1	.155	0—59	2
13	.090	0—52	3	.065	0—55	4	.140	1—05	2	.010	0—20	1	.080	0—35	1	.161	1—15	3
14	.055	1—25	4	.005	0—20	1	.105	1—30	3	.000	0—00	0	.005	0—05	1	.105	0—56	2
15	.000	0—00	0	.025	1—10	3	.165	1—25	3	.000	0—00	0	.535	1—30	3	.174	1—22	3
16	.035	0—37	2	.040	0—55	4	.030	0—07	1	.000	0—00	0	.400	1—00	1	.175	1—07	3
17	.055	0—35	1	.045	0—45	3	.030	0—30	1	.035	0—50	2	.110	1—10	3	.308	1—27	3
18	.055	0—55	2	.035	0—40	2	.000	0—00	0	.000	0—00	0	.185	0—50	1	.149	1—21	2
19	.200	3—05	4	.045	0—35	2	.000	0—00	0	.020	0—10	1	.260	2—30	7	.137	1—34	3
20	.255	1—50	4	.085	1—45	4	.010	0—07	1	.000	0—00	0	.790	2—30	4	.174	1—10	3
21	.050	1—35	4	.270	2—25	4	.045	0—42	3	.000	0—00	0	.410	1—50	3	.140	1—27	3
22	.095	1—40	5	.205	1—37	3	.045	1—15	3	.030	0—25	2	.640	4—02	7	.171	1—41	3
23	.070	1—35	4	.130	2—25	4	.000	0—00	0	.000	0—00	0	.435	3—05	5	.228	1—46	3
Totals ...	2.440	33—42	80	1.600	21—41	56	1.110	9—49	28	1.305	7—26	22	5.975	32—16	69	4.165	31—16	66

METEOROLOGICAL OBSERVATIONS.

TABLE XXXVIII.

Greatest Rainfall in one day and greatest intensities in 1894.

Months.	Greatest fall in one day.	Day.	Greatest intensities of Rainfall.				
	Inches.		Inch.	h. m.		h. m.	
January	4.345	11	1.760	from 2—50	to	3—35	on 11th.
February	2.215	23	0.150	„ 7—00	„	7—15	„ 9th.
March	1.840	13	0.400	„ 6—00	„	6—20	„ 13th.
April	2.555	19	0.900	„ 16—40	„	17—06	„ 3rd.
May	1.520	21	0.400	„ 3—25	„	3—40	„ 7th.
June	0.220	30	0.100	„ 4—05	„	4—15	„ 27th.
July	0.570	10	0.170	„ 23—00	„	23—12	„ 26th.
August	0.360	31	0.120	„ 4—15	„	4—20	„ 29th.
September	0.450	1	0.080	„ 0—40	„	0—45	„ 19th.
October	0.430	5	0.150	„ 6—06	„	6—14	„ 5th.
November	0.890	29	0.310	„ 11—25	„	11—40	„ 29th.
December	2.195	7	0.400	„ 19—13	„	19—28	„ 7th.

TABLE XXXIX.

Daily Amount of Ozone.

Days.	January,	February	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	1.	2.	1.	5.	6.	5.	*	6.	7.	5.	4.5	3.
2	1.	0.	1.	4.	6.5	7.	*	7.	7.	5.	3.	2.
3	1.	3.	3.5	4.5	7.5	5.	5.	4.	6.	5.	3.5	2.
4	1.5	3.5	1.5	5.	7.	6.	5.5	5.	5.5	5.	4.	1.
5	2.	5.	3.5	3.5	6.	6.	7.	6.	5.5	6.	1.	2.
6	2.5	3.	4.	4.	4.5	5.	7.	6.	5.	7.	1.5	3.5
7	2.5	4.	4.	5.5	7.	3.5	6.	6.5	8.	7.5	3.	5.
8	3.5	3.5	6.	5.	6.	3.5	5.5	7.	6.	3.	2.	5.
9	4.5	4.	6.	5.	6.	5.5	6.	6.	5.5	5.	4.	6.
10	3.5	5.5	4.	4.5	7·	5.5	8.	6.	6.	4.	4.5	4.
11	6.	4.5	5.	6.	6.	5.	7.	6.	6.	5.	4.	1.
12	7.	3.5	4.	4.5	5.	6.	5.	7.	5.	4.5	4.5	5.
13	7.	2.5	3.	5.	5.5	6.5	5.5	6.	8.	5.	4.	5.
14	7.	3.5	5.	5.5	5.	5.	6.	5.	6.	6.	5.	6.
15	8.	3.5	5.	6.	5.5	5.	4.	5.	6.	5.	4.5	4.
16	4.	5.5	6.	6.5	6.	6.	6.	5.5	5.5	4.	4.	3.
17	7.	3.	5.	4.	6.	4.	3.5	5.	5.	5.	5.	4.
18	4.5	1.	1.5	6.	4.	5.	3.	7.5	6.	6.	5.	5.
19	4.	3.5	3.5	7.	5.5	6.5	3.	4.5	6.5	6.	4.	4.
20	4.	1.	1.5	7.	5.	5.	4.	4.	7.	5.	5.	2.
21	4.5	2.	4.	6.	5.	5.	5.	6.	6.	4.5	3.	3.
22	3.5	2.	5.	5.5	4.5	4.5	4.5	6.	5.5	4.	3.	4.
23	3.	4.	4.5	5.	5.5	4.	5.	7.	7.	4.	4.	3.
24	3.	Not exp.	4.5	6.	6.	3.5	6.	8.	6.	4.	2.	3.
25	3.	2.	3.5	5.	5.	3.	6.	7.	6.	3.	3.	3.5
26	3.5	2.	4.5	5.	4.5	6.	6.	6.	5.	5.	5.	2.5
27	5.	3 5	5.	6.	5.	6,	5.	6.	5.	6.	4.	4.
28	4.	3.	5.5	5.5	3.	5.	6.	7.	5.	5.	3.5	6.
29	4.		5.5	5.	6.	6.	4.5	7.	6.	5.5	4.	4.
30	2.5		5.5	7.	6.	*	6.	7.	5.5	4.	6.	4.5
31	4.		4.5		4.		6.	6.		3.5		4.
Means	3.9	3.1	4.1	5.3	5.5	5.1	5.4	6.1	6.0	4.9	3.8	3.7

The Ozone test papers used are those supplied by Negretti and Zambra. They are exposed in Clark's wire gauge ozone cage and are changed each day at 9 hours. The amount of ozone is determined by the discoloration of the paper, compared with a scale of graduated tints, numbered from 0 to 10.

* Cage being repaired.

TABLE XL.

Number of Times the wind blew from

Months.	North.	N. b. E.	N. N. E.	N. E. b. N.	N. E.	N. E. b. E.	E. N. E.	E. b. N.	East.	E. b. S.	E. S. E.	S. E. b. E.	S. E.	S. E. b. S.	S. S. E.	S. b. E.	South.	S. b. W.	S. S. W.	S. W. b. S.	S. W.	S. W. b. W.	W. S. W.	W. b. S.	West.	W. b. N.	W. N. W.	N. W. b. W.	N. W.	N. W. b. N.	N. N. W.	N. b. W.	Calms.	Totals.
January ...	2	4	13	16	29	19	47	136	135	84	122	39	11	2	1	5	2	22	2	2	16	19	7	5	1	...	...	...	...	...	...	3	...	744
February ...	2	...	...	...	5	4	25	93	73	100	126	75	20	28	19	17	4	1	1	...	3	8	2	5	1	4	3	5	3	12	20	8	5	672
March ...	2	5	1	5	3	4	31	77	62	121	216	119	7	19	6	15	4	1	4	...	1	10	5	3	4	...	3	...	1	10	3	...	2	744
April	1	...	...	3	9	9	40	94	121	98	122	77	28	21	31	27	27	...	2	2	2	4	1	...	...	...	...	...	...	...	1	...	...	720
May	11	1	4	1	4	8	16	52	37	41	139	91	119	54	37	20	19	26	2	2	1	5	5	12	3	6	1	5	8	6	7	1	...	744
June	...	...	...	1	2	2	...	7	13	46	128	176	100	89	69	51	15	6	4	2	1	1	3	1	1	...	1	...	...	...	...	...	1	720
July	1	1	4	8	3	3	9	28	98	153	228	138	27	24	6	2	2	...	2	...	...	2	...	...	...	...	1	1	1	...	...	2	...	744
August ...	...	1	...	...	...	...	7	39	76	195	265	114	28	7	3	...	1	3	...	...	...	...	1	2	...	1	1	...	...	...	...	...	...	744
September ...	...	...	...	1	3	13	51	101	135	180	134	71	4	4	5	1	2	3	...	1	4	1	2	...	1	...	2	1	...	...	...	...	...	720
October ...	1	...	1	2	4	2	39	121	105	141	113	79	41	22	24	3	3	3	6	1	5	1	6	1	2	3	6	5	...	2	1	1	...	744
November ...	1	3	13	13	13	17	70	157	110	134	87	51	5	7	3	4	16	...	1	2	1	6	...	...	1	...	...	2	...	1	...	2	...	720
December ...	13	14	9	20	14	16	42	73	100	104	65	30	18	11	7	12	2	1	3	1	19	8	13	17	8	25	25	18	12	8	27	8	1	744
Totals ...	34	29	45	70	89	97	377	978	1065	1397	1745	1060	408	288	211	157	97	66	27	13	58	65	45	46	22	39	43	37	25	39	59	25	9	8760
Percentages ...	0.39	0.33	0.51	0.80	1.02	1.11	4.30	11.16	12.16	15.95	19.92	12.10	4.66	3.29	2.41	1.79	1.11	0.75	0.3 1	0.15	0.61	0.74	0.51	0.53	0.25	0.45	0.49	0.42	0.29	0.45	0.67	0.29	0.10	100.02

This table has been compiled from hourly tabulations of the anemograms.

TABLE XLI.

Observed Mean Hourly Velocity of the Wind in 1894.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means.
	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.
0 ...	11.4	9.7	7.6	8.9	6.4	7.8	8.9	10.1	7.9	7.3	7.7	9.4	8.6
1 ...	11.0	9.6	7.0	8.7	6.0	7.9	8.4	9.7	8.3	7.4	7.5	9.2	8.4
2 ...	10.6	9.7	7.4	8.9	5.6	7.8	9.5	10.3	8.2	7.1	7.0	9.0	8.4
3 ..	9.8	9.4	7.3	8.1	5.8	8.0	9.2	9.7	8.3	6.9	7.2	8.9	8.2
4 ...	9.8	10.1	7.3	8.3	5.9	8.2	9.1	9.4	8.0	7.2	7.6	8.8	8.3
5 ...	10.0	9.8	7.8	7.8	5.7	8.4	8.7	9.7	8.2	7.5	7.6	8.6	8.3
6 ...	10.1	10.2	8.3	8.4	6.2	8.1	9.0	10.0	8.2	7.9	8.0	8.8	8.6
7 ...	11.3	11.0	8.0	8.5	6.3	7.7	8.9	11.2	8.6	9.1	10.4	10.6	9.3
8 ...	14.8	15.4	11.1	10.8	6.6	7.6	9.7	13.3	12.6	12.9	13.7	13.5	11.8
9 ...	15.1	16.6	12.7	12.8	9.0	10.8	12.6	15.8	14.3	13.0	14.0	13.4	13.3
10 ...	17.0	17.7	14.6	14.8	10.4	12.9	15.4	17.8	16.1	14.5	15.1	15.3	15.1
11 ...	17.2	18.5	14.9	15.0	10.8	13.0	15.2	17.9	16.2	14.6	15.5	15.3	15.3
12 ...	18.1	19.0	15.6	15.6	11.2	13.9	15.3	19.4	16.4	15.0	15.9	16.4	16.0
13 ...	17.2	18.0	15.7	15.5	11.4	13.6	15.5	19.1	16.1	14.1	15.9	15.2	15.6
14 ...	18.6	17.8	15.8	15.9	12.0	13.6	15.9	19.6	16.2	14.7	15.8	15.5	15.9
15 ...	16.6	16.0	15.4	14.5	11.1	13.1	15.0	18.9	15.8	13.9	15.2	14.7	15.1
16 ...	17.1	16.3	15.1	14.1	9.5	13.0	14.3	17.8	14.6	14.1	15.1	14.1	14.6
17 ...	15.4	15.6	13.4	12.8	7.8	10.2	12.2	15.3	13.3	13.2	14.5	13.1	13.1
18 ...	14.6	15.1	11.3	10.3	6.8	8.2	9.5	12.8	10.2	11.3	12.5	12.2	11.2
19 ..	12.0	12.8	8.6	9.0	7.1	7.9	9.0	11.5	8.9	8.9	9.7	10.0	9.6
20 ...	11.9	11.3	8.6	9.3	7.3	7.6	8.9	11.0	8.5	8.1	8.8	9.7	9.2
21 ...	11.5	10.5	8.6	9.0	7.0	6.9	8.8	10.3	7.8	7.9	8.2	9.2	8.8
22 ...	11.4	10.1	8.3	8.3	6.2	7.4	8.6	10.1	7.5	7.8	7.9	9.2	8.6
23 ...	11.2	9.4	8.0	8.4	6.4	7.5	8.5	10.3	7.6	7.6	7.9	9.3	8.5
Means...	13.5	13.3	10.8	11.0	7.9	9.6	11.1	13.4	11.2	10.5	11.2	11.6	11.2

TABLE XLII.

Observed Mean Daily Velocity of the Wind in 1894.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.	Velocity in miles per hour.
1	12.9	8.5	4.0	11.5	7.2	6.2	17.7	6.0	16.6	11.2	8.6	9.2
2	10.7	9.7	3.6	9.4	9.0	7.0	16.9	13.6	14.6	11.3	13 6	7.7
3	8.4	13.0	8.5	6.3	7.4	6.9	15.9	15.2	9.4	13.1	12.3	6.3
4	5.4	12.1	12.9	7.1	7.5	5.6	14.5	12.5	6.2	11.3	10.7	6.0
5	6.4	9.9	15.4	7.6	6.4	6.4	12.3	13.4	6.4	10.0	6.0	7.4
6	12.5	9.2	15.5	8.5	4.7	6.5	11.4	12.3	9.3	12.2	6.5	12.0
7	14.9	9.9	15.5	9.7	13.7	7.3	12.7	15.6	11.9	11.3	8.0	14.1
8	19.4	11.7	11.4	10.4	15.8	9.0	14.9	15.2	11.3	10.1	11.2	19.0
9	24.9	8.1	16.3	11.5	7.7	8.4	15.6	12.8	6.2	8.6	12.1	18.7
10	22.6	8.1	16.8	13.6	9.9	7.1	11.1	14.1	7.8	10.3	13.3	9.0
11	17.8	11 2	17.2	11.0	10.5	6.4	8.5	14.5	11.5	10.8	13.8	8.0
12	22.5	10 5	20.9	8.1	10.0	10.5	9.1	15.3	15.0	7.7	14.8	13.4
13	32.1	8.1	18.8	5.1	8.9	11.9	8.9	16.8	13.7	6.1	13.5	9.0
14	16.4	12.4	15.9	3.6	7.4	10.0	7.9	16.0	14.4	9.1	14.0	13.7
15	11.1	10.5	12.4	10.2	8.5	8.1	4.4	13.4	12.4	10.9	13.8	18.4
16	9.5	12.2	10.0	15.5	6.8	8.3	12.0	12.0	11.7	10.9	14 7	22.9
17	5.0	12.0	6.9	14.2	4.6	6.2	11.4	12.4	13.1	7.0	15.2	21.9
18	9.9	9.9	7.0	14.1	4.7	10.5	13.8	13.8	11.9	7.2	13.8	16.1
19	11.5	11.3	7.1	15.2	6.7	9.8	11.8	9.2	12.8	8.7	11.8	13.9
20	11.1	16.3	4.8	11.9	7.8	8.9	8.2	12.4	10.1	9.9	12.3	8.7
21	11.4	19.7	7.3	6.6	4.6	11.0	6.1	16.0	7.2	6.0	10.6	5.8
22	11.4	35.2	8.0	6.8	4.5	9.8	4.8	14.8	9.2	9.2	8.9	5.5
23	11.3	35.3	7.9	13.0	6.9	9.5	7.0	13.5	12.2	8.4	10.2	7.2
24	12.2	27.6	8.0	15.3	12.1	10 3	11.7	13.8	9.0	14.7	9.4	8.8
25	13.2	16.9	8.2	9.3	7.1	13.0	17.5	12.9	8.8	17.7	10.8	8.7
26	13.1	10.1	8.2	14.6	7.5	15.1	12.6	10.4	12.1	17.3	8.8	12.1
27	20.7	8.8	8.2	21.5	6.6	8.6	9.4	9.2	12.9	11.1	8.5	13.1
28	12.5	4.7	7.3	18.3	4.9	17.6	10.0	14.3	11.7	7.0	6.8	12.8
29	9.6	...	7.9	10.6	6.7	16.8	9.6	13.9	12.8	16.4	8.4	11.4
30	8.6	...	9.5	8.9	8.6	16.0	8.7	12.1	12.2	10.8	13.7	9.7
31	8.8	...	11.9	...	9.1	...	7.3	17.3	...	9.2	...	10.4
Means ...	13.5	13.3	10.8	11.0	7.9	9.6	11.1	13.4	11.1	10.5	11.2	11.6

METEOROLOGICAL OBSERVATIONS.

TABLE XLIII.

1876—1894.

Mean Monthly North and East components of the Wind.

Months.	Monthly Means.		Deviation from Mean of year.	
	N.	E.	N.	E.
January	− 0.34	+ 8.80	+ 2.18	− 0.12
February	− 1.24	+ 8.15	+ 1.28	− 0.77
March	− 1.62	+ 7.52	+ 0.90	− 1.40
April	− 2.85	+ 8.60	− 0.33	− 0.32
May	− 3,59	+ 7.55	− 1.07	− 1.37
June	− 5.01	+ 9.04	− 2.49	+ 0.12
July	− 4.67	+ 9.94	− 2.15	+ 1.02
August	− 4.21	+ 10.33	− 1.69	+ 1.41
September...	− 3.54	+ 10.30	− 1.02	+ 1.38
October	− 2.03	+ 9.39	+ 0.49	+ 0.47
November...	− 1.22	+ 9.10	+ 1.30	+ 0.18
December...	+ 0.03	+ 8.38	+ 2.49	− 0.54
Means	− 2.52	+ 8.92		

TABLE XLIV.

1876—1894.

Computed Mean Monthly Direction and Velocity of the Wind.

Months.	1876—1894.		1894.			
	Monthly Means.		Monthly Means.		Deviation from Average.	
	Velocity. Miles per hour.	Direction.	Velocity. Miles per hour.	Direction.	Velocity. + = Above. − = Below.	Direction. N = North, S = South.
January	8.81	S 87° −47′ E	10.82	S 84° −00′ E	+ 2.01	S 3° −47′
February	8.24	S 81 −21 E	10.16	S 66 −08 E	+ 1.92	S 15 −13
March	7.69	S 77 −51 E	9.39	S 73 −17 E	+ 1.70	S 4 −34
April	9.06	S 71 −40 E	9.57	S 71 −59 E	+ 0.51	N 0 −19
May	8.36	S 64 −34 E	5.86	S 59 −40 E	− 2.50	S 4 −54
June	10.34	S 61 −00 E	8.77	S 48 −03 E	− 1.57	S 12 −57
July	10.98	S 64 −50 E	10.42	S 70 −33 E	− 0.56	N 5 −43
August	11.16	S 67 −50 E	12.84	S 71 −06 E	+ 1.68	N 3 −16
September	10.89	S 71 −02 E	10.48	S 82 −26 E	− 0.41	N 11 −24
October	9.61	S 77 −48 E	8.97	S 76 −04 E	− 0.64	S 1 −44
November	9.18	S 82 −22 E	10.00	S 89 −50 E	+ 0.82	N 7 −28
December	8.38	N 89 −48 E	6.37	N 86 −29 E	− 2.01	N 3 −19
Means	9.27	S 74° −13′ E	9.28	S 74° −07′ E	+ 0.01	S 0° −0′6

METEOROLOGICAL OBSERVATIONS.

TABLE XLV.

Resumé of Actinometric Observations made during the year 1894.

Date.	Mean Radiation Result.	Mean altitude.	Remarks.
	°	° ′	
February 5	9.73	85—25	Detached cu.
March 19	8.81	70—15	Sky light blue, clear.
„ 20	9.75	69—50	„ blue, clear.
„ 21	9.57	69—35	„ „ „
April 12	8.69	61—00	„ light blue, passing cu.
„ 23	8.95	57—20	„ pale, detached cu.
„ 24	9.18	57—15	„ light blue, clear.
May 5	8.68	53—40	„ pale, clear.
„ 30	8.86	48—10	„ „ passing cu.
„ 31	9.27	48—00	„ blue, clear.
June 2	8.87	47—50	„ light blue, detached cu.
„ 5	8.91	47—25	„ „ „ clear.
„ 12	8.58	46—45	„ „ „ smoky cir at Nrd. & Wrd.
„ 23	8.97	46—30	„ „ „ passing cu.
„ 28	8.87	46—35	„ „ „ clear.
„ 29	8.39	46—35	„ „ „ „
July 1	8.63	46—50	„ bluish, passing cu.
„ 20	8.90	49—25	„ light blue, detached cu.
„ 31	9.12	51—35	„ bluish, clear.
August 1	8.65	51—50	„ light blue, clear.
„ 3	8.73	52—25	„ „ „ passing cu.
„ 27	9.00	59—30	„ „ „ clear.
September 15	9.33	66—50	„ pale, clear.
„ 17	9.65	67—35	„ blue, passing cu.
October 12	9.87	76—20	„ „ clear.
November 7	9.76	85—50	„ pale, passing cu.
„ 9	9.84	86—15	„ light blue, passing cu.
„ 21	10.10	88—00	„ „ „ clear.
„ 22	9.99	89—00	„ „ „ „
„ 23	10.27	89—00	„ bluish „
„ 24	10.17	88—20	„ pale, passing cu.
„ 26	10.12	88—10	„ „ „ „
December 31	9.83	86—45	„ „ „ „
Mean of the 33 observations...	9.24	64—25	

METEOROLOGICAL OBSERVATIONS.

TABLE XLVI.

Thunder and Lightning.

Months.	Days.	
January ...	2	In evening, several flashes of lightning at long intervals at Erd.
" ...	8—9	Thunder once heard during night of 8th to 9th.
" ...	27	Between 14h. 45m. and 18.15, thunder at N. Wrd. and Nrd., and in evening, lightning at S. Wrd.
February ...	7	At about 19, some peals of thunder at N. Erd., and in evening, lightning at N. Erd.
" ...	8	At 14.02, thunder at S. S. Wrd., from 16.45 and till late in evening distant thunder at Srd., S. Erd. and Erd., and in evening, lightning almost all around horizon.
" ...	9	At 10.20 and 10.35, distant thunder at N. Erd., between 18 and 19, distant thunder at S. Wrd., and in evening, lightning at S. Wrd., and Srd.
" ...	18	Between 13.32 and 14, thunder at N. Wrd.
" ...	21	Late in evening, vivid lightning at S. Erd.
March ...	11	Between 17 and 18, thunder at Srd. and Erd., and between 19 and 20, thunder and lightning at N. Erd., and Erd.
" ...	13	Late in evening, lightning at Wrd.
" ...	22	From 4.50 to 6, thunder and lightning at E. S. Erd. and N. Erd., and from 6.18 to 8.30, distant thunder at S. Erd., and N. Wrd.
" ...	30	In evening, much lightning at N. Wrd. and Wrd.
April ..	6	Between 4.40 and 5.15, lightning at Wrd.
" ...	7	In evening, lightning at Nrd. and N. Wrd.
" ...	19	In early morning, lightning at N. Erd., and between 16.04 and 16.40, thunder at Erd.
May ...	15	In early morning thunder and lightning.
" ...	16	At about 0, a peal of thunder at S. Erd.
" ...	21	From 10.58 to 11.12, thunder from Srd. to overhead, and between 16.54 and 17.15, thunder at S. Erd., and N. Wrd.
" ...	24	Between 12.40 and 15, thunder at Wrd., N.Wrd.,Nrd., nearly overhead,N.Erd., and Erd. and between 13.30 and 14.30, lightning with heavy thunder overhead.
" ...	25	At 12.30, a distant peal of thunder at S.S.Wrd.
November ...	28	Between 13.45 and 15.30, constant thunder at times at S. S. Erd., and in evening, lightning at Srd., and S. Erd.
December ...	1	At about 20, thunder and lightning at Wrd.
" ...	4	From 12.40 to 18.55, much distant thunder at times at S. Erd., and in evening, lightning at S. Erd.
" ...	5	Between 14.45 and 15.50, thunder at S.S.Wrd. round to Wrd., and from 20.20 to 20.45, thunder and lightning at Erd.
" ...	7	Between 16 and 16.30, distant thunder at Nrd.
" ...	13	From 11.05 to 11.15, thunder from S. Wrd. to overhead.
" ...	27	At 3, lightning seen at Moka, and in afternoon, thunder heard in direction of Corps de Garde Mountain.

METEOROLOGICAL OBSERVATIONS.

TABLE XLVII.

Means and Extremes of the Principal Meteorological Elements in 1894 and for the Period 1875-94.

Elements.	1894.	1875-94.
Mean Atmospheric Pressure (reduced to sea-level.)	30.048 inches	30.079 inches.
Highest „	30.342 „ August 13...	30.468 „ June 20—77.
Lowest „	29.276 „ Feb. 22 ...	27.956 „ April 29—92.
Mean Temperature in Shade ...	73°.2	73°.5.
Highest „	86.4 January 6 ...	88.8 January 6—78.
Lowest „	56.8 June 11 ...	53.5 July 26—90.
Mean Temperature of Evaporation ...	68.3	68.3.
Highest „	78.4 Jan. 27 & Mar. 19	81.3 March 10—79.
Lowest „	54.2 June 16 ...	51.6 August 22—84.
Mean Dew Point	64.7	64.6.
Highest „	76.2 March 13 ...	77.5 March 5—89.
Lowest „	50.6 June 16 ...	46.8 September 5—80.
Mean Vapour Tension	.621 inch	.619 inch.
Highest „	.905 „ March 13 ...	.941 „ March 5—89.
Lowest „	.369 „ June 16 ...	.320 „ September 5—80.
Mean Relative Humidity ...	75.8 (Saturation=100) ...	74.6.
Highest „	94.8 July 10 ...	97.6 March 6—93.
Lowest „	44.4 October 30 ...	38.4 October 31—78.
Mean hourly Velocity of Wind ...	11.2 miles	11.1 miles (Mean for 19 years.)
Maximum „	62.2 „ Feb. 22 ...	103.3 „ April 29—92.
Rainfall	48.91 inches	48.43 inches.
No. of days on which rain fell ...	196	205.
Greatest fall in 24 hours	3.70 inches Jan. 11 ...	11.24 inches May 7—84.
No. of days of Thunder and Lightning...	27	33.
Mean amount of Ozone	4.7 (Scale 0=10) ...	4.4 (Mean for 8 years).
Greatest „	8.0 Jan. 15, July 10 & September 13.	10. Sept. 3—87 & June 23 & 29—89.
Least „	0.0 February 2 ...	0.0 occasionally.
Total duration of Sunshine during the year.	2766.3	2740.9 (Mean for 8 years).
Mean proportion for the year ...	0.634	0.624 („).

TABLE XLVIII.

Mean Monthly Maximum and Minimum Temperature at five Stations in the Interior of the Island in 1894.

Districts.	Pamplemousses.		Moka.		Plaines Wilhems.					
Approximate height above Sea-level.	Botanical Gardens, 225 feet. (W. Scott.)		Lynnwood, 1100 feet. (Hon. H. Stein.)		Beau Séjour, 970 feet. (Hon. J. Fraser, C.M.G.)		Phœnix, near Railway Station, 1315 feet. (F. C. Estill.)		Marton, Vacoas, 1400 feet. (F. Nash.)	
Months.	Mean Max.	Mean Min.	Mean Max.	Mean Min.	Mean Max.	Mean Min.	Mean Max.	Mean Min.	Mean Max.	Mean Min.
	°	°	°	°	°	°	°	°	°	°
January	86.1	71.1	80.1	67.7	79.1	66.4	.....	.....	79.8	68.6
February	87.0	71.4	80.5	* 68.4	80.1	66.9	.....	.....	81.8	69.2
March	85.9	69.9	79.2	.....	.....	.....	.....	.....	80.9	68.3
April	84.2	68.0	77.6	.....	.....	.....	.....	.....	78.9	66.6
May	80.4	63.3	74.0	64.8	.....	.....	.....	.....	76.0	62.6
June	78.0	58.0	69.9	58.6	.....	.....	.....	.....	72.9	57.3
July	78.8	61.8	70.5	60.0	.....	.....	.....	.....	72.5	59.8
August...	78.0	61.7	71.0	59.6	.....	.....	69.9	58.8	71.5	59.9
September	80.6	62.5	73.3	60.3	.....	.....	72.8	59.5	74.1	60.8
October...	84.1	63.2	76.4	60.6	.....	.....	75.9	59.8	78.0	61.5
November	87.9	66.2	80.2	64.2	.....	.....	79.9	62.5	80.0	65.7
December	86.4	71.5	81.2	69.7	.....	.....	80.3	67.8	80.1	68.3
Means	83.1	65.7	76.2	.....	.....	.....	.....	.....	77.2	64.0
Approximate...	74.4		.....		.....		.....		70.6	

NOTE.— At the Botanical Gardens, the thermometers are exposed in a large Stevenson's screen, and at the other Stations under open verandahs.
* Mean for 18 days.

TABLE XLIX.

Absolute maximum and minimum Temperature at the same five Stations in 1894.

Districts.	Pamplemousses.		Moka,		Plaines Wilhems.					
	Botanical Gardens. (W. Scott.)		Lynnwood. (Hon. H. Stein,)		Beau Séjour. (Hon. J. Fraser, C.M.G.)		Phœnix, near Ry. Station. (F. C. Estill.)		Marton, Vacoas. (F. Nash.)	
Months,	Abs. Max.	Abs. Min.	Abs. Max.	Abs. Min.	Abs. Max.	Abs. Min.	Abs. Max.	Abs. Min.	Abs. Max.	Abs. Min.
	°	°	°	°	°	°	°	°	°	°
January	91.6	66.9	85	65	82	60	.....	.....	84	63
February	90.0	66.6	84	66	82	64	.....	.....	87	65
March	89.7	66.7	82	*.....	.....	.....	.....	.....	85	64
April	87.0	62.6	80	*.....	.....	.....	.....	.....	83	63
May	83.0	54.5	78	58	.....	.....	.....	.....	80	57
June	80.6	52.5	74	53	.....	.....	.....	.....	77	53
July	81.7	55.6	74	56	.....	.....	.....	.....	77	55
August	81.8	56.1	75	56	.....	.....	76	54	76	56
September	83.6	58.1	78	57	.....	.....	78	57	80	58
October	88.8	56.7	80	54	.....	.....	80	54	82	57
November	90.7	61.5	84	57	.....	.....	85	56	84	59
December	90.8	66.7	85	65	.....	.....	86	62	85	62

* Thermometer broken.

TABLE L.

Hygrometric Observations at the Royal Botanical Gardens, Pamplemousses, during the year 1894.

Months.	Dry Bulb.		Wet Bulb.		Dew Point.			Relative Humidity.			Vapour Tension.		
	9 hours.	15 hours.	9 hours.	15 hours.	9 hours.	15 hours.	Means.	9 hours.	15 hours.	Means.	9 hours.	15 hours.	Means.
	°	°	°	°	°	°	°	P. C.	P. C.	P. C.	Inch.	Inch.	Inch.
January	80.0	83.0	74.7	75.1	71.1	69.9	70.5	73.8	64.4	69.1	.762	.728	.745
February... ...	80.9	84.0	75.1	76.3	71.1	71.2	71.1	71.9	65.2	68.5	.764	.764	.764
March	79.4	83.2	74.7	75.6	71.5	70.5	71.0	76.9	65.8	71.3	.773	.746	.759
April	77.8	80.3	73.1	73.4	69.8	68.7	69.2	76.3	67.4	71.8	.730	.702	.716
May	73.8	75.3	70.2	69.9	67.6	66.0	66.8	81.0	72.4	76.7	.676	.641	.658
June.	69.8	73.7	64.8	65.8	61.0	60.0	60.5	73.8	63.1	68.4	.535	.520	.527
July	71.2	74.6	66.7	67.4	63.3	62.2	62.7	75.7	65.2	70.4	.583	.560	.571
August	71.0	73.9	65.7	66.2	61.7	60.5	61.1	72.8	63.2	68.0	.550	.529	.539
September ...	74.0	75.8	67.7	68.3	63.1	63.0	63.0	68.8	64.0	66.4	.578	.575	.576
October	77.5	78.8	68.7	68.7	62.6	60.1	61.3	60.3	52.7	56.5	.568	.521	.544
November ...	80.9	82.7	71.3	71.9	64.8	64.7	64.7	57.5	54.6	56.0	.613	.611	.612
December ...	81.4	83.1	75.2	75.8	71.0	70.9	70.9	71.2	66.9	69.0	.760	.756	.758
Means	76.5	79.0	70.7	71.2	66.5	65.6	66.1	71.7	63.7	67.7	.658	.638	.647

TABLE LI.

Thermometrical Observations made at the Nursery Gardens, Curepipe, during the year 1894.

Altitude 1840 *feet.—W. Kennedy, Observer.*

Months.	Mean Maximum.	Mean Minimum.	Approximate mean Temperature.	Absolute Maximum.	Date.	Absolute Minimum.	Date.	Mean Minimun on grass.	Highest on grass.*	Date.	Lowest on grass.	Date.
	°	°	°	°		°		°	°		°	
January	77.3	66.6	71.9	83.8	1	59.4	17	65.1	69.0	10	56.5	17
February	78.7	66.9	72.8	84.5	7	62.2	7	65.4	68.8	20	60.4	7
March	77.5	66.1	71.8	81.5	19 & 22	56.5	21	64.4	67.5	14, 22 & 31	54.0	21
April	75.6	64.3	69.9	80.5	3	59,5	25	60.9	65.5	11	54.5	25
May	73.0	60.4	66.7	78.8	2	49.8	28	56.7	62.0	21	45.0	28
June	70.0	53.7	61.8	75.6	5	44.0	17	48.5	55.6	14	38.8	17
July	69.6	58.2	63.9	74.8	11	52.0	27	54.0	62.0	10	46.4	27
August	68.2	57.4	62 8	73.6	1	49.0	1	52.6	58.0	5	44.0	1
September	70.3	57.9	64.1	74.8	21	53.5	5 & 6	53.3	58.0	26	47.2	5
October	73.2	57.4	65.3	77.6	22	51.5	19	52.3	62.0	26	45.0	25 & 31
November	76.6	61.1	68.8	83.5	24	51.0	24	56.3	61.0	10 & 17	43.0	24
December...	77.5	66.2	71.8	82.0	25	58.0	22	62.1	65.5	3	52.5	22
Means	74.0	61.3	67.6	79.2		53.9		57.6	62.9		48.9	

* During the night.

TABLE L II.

Hygrometric Observations taken at the Nursery Gardens, Curepipe, during the year 1894.

Months.	Dry Bulb.			Wet Bulb.			Dew Point.			Relative Humidity.			Vapour Tension.		
	6 Hours.	15 Hours.	Means.	6 Hours.	15 Hours.	Means.	6 Hours.	15 Hours.	Means.	6 Hours.	15 Hours.	Means.	6 Hours.	15 Hours.	Means.
	°	°	°	°	°	°	°	°	°	P. C.	P. C.	P. C.	Inch.	Inch.	Inch.
January ...	68.1	74.1	71.1	67.9	70.7	69.3	67.7	68.2	67.9	98.6	82.9	90.7	.678	.691	.684
February ...	68.5	75.3	71.9	68.1	71.6	69.8	67.8	68.9	68.3	97.9	82.2	90.0	.679	.709	.694
March ...	67.5	75.1	71.3	66.8	71.5	69.1	66.2	68.9	67.5	95.9	81.4	88.6	.643	.709	.676
April ...	65.6	73.0	69.3	65.1	69.4	67.2	64.7	66.7	65.7	97.1	81.2	89.1	.611	.657	.634
May ...	61.5	70.0	65.7	61.1	66.1	63.6	58.9	63.1	61.0	97.7	79.7	88.7	.498	.580	.539
June ...	54.8	67.3	61.0	54.2	62.2	58.2	53.6	58.2	55.9	95.9	73.3	84.6	.412	.485	.448
July ...	59.6	67.1	63.3	59.1	63.7	61.4	58.7	61.0	59.8	97.0	82.1	89.5	.494	.537	.515
August ...	59.1	65.5	62.3	58.4	62.3	60.3	57.8	59.7	58.7	95.6	82.1	88.8	.479	.513	.496
September...	59.5	66.7	63.1	59.0	63.7	61.3	58.6	61.3	59.9	97.3	83.3	90.3	.493	.543	.518
October ...	60.1	69.4	64.7	59.6	64.4	62.0	59.2	60.5	59.8	96.5	73.2	84.8	.505	.526	.515
November ...	63.1	72.0	67.5	62.3	65.9	64.1	61.5	61.3	61.4	94.9	69.2	82.0	.549	.544	.546
December ...	68.2	74.6	71.4	67.3	70.8	69.0	66.6	68.0	67.3	95.1	80.9	88.0	.652	.687	.669
Means ...	63.0	70.8	66.9	62.4	66.9	64.6	61.8	63.8	62.8	96.6	79.3	87.9	.558	.598	.578

TABLE LIII.

Observations of Solar Radiation and Ozone at the Nursery Gardens, Curepipe, during the year 1894.

Months.	Maximum Temperature in the Sun's Rays. Neg. & Zambra, No. 65,011.					Amount of Solar Radiation.					Amount of Ozone. Scale 0 to 10.			Remarks.
	Means.	Highest.	Date.	Lowest.	Date.	Means.	Highest.	Date.	Lowest.	Date.	Means.	Max.	Min.	
	°	°		°		°	°		°					
January ...	135.8	159.2	1	89.0	12	58.5	75.4	1	19.0	12	3.8	6	2	The mean difference between Hicks No. 211,682 in use at the Observatory and Neg. & Zambra, No. 65,011 was found to be 3° 6, which correction must be deducted from the results of Solar Radiation in this table to make them comparable with the Observations taken at the Observatory.
February ...	140.2	160.0	18	92.2	23	61.4	83.5	20	21.2	23	4.2	9	2	
March ...	140.9	153.2	1 & 26	100.5	12	63.4	75.0	20	29.5	12	4.1	6	1	
April ...	137.8	152.4	6	114.0	28	62.2	72.8	6	41.5	28	4.3	6	1	
May ...	131.2	145.0	6	89.0	21	58.2	69.5	6	19.6	21	5.2	6	3	
June ...	131.5	139.4	4	124.0	26	61.5	67.2	4	56.3	6	5.1	7	3	
July ...	128.9	143.0	7	96.5	9	59.3	75.0	7	28.5	9	5.6	6	3	
August ...	129.4	146.0	26	90.0	5	61.2	73.0	18 & 26	24.5	5	5.6	7	3	
September ...	136.9	148.5	21	112.0	1	66.6	76.6	10	49.6	1	5.3	6	4	
October ...	142.9	150.0	8 & 29	114.0	17	69.6	77.1	31	47.0	17	5.3	6	4	
November ...	147.2	153.0	27	139.0	13 & 29	70.6	76.6	5	63.0	23	4.3	6	3	
December ...	141.7	160.0	25	100.4	7	64.2	78.0	25	29.4	7	3.7	6	1	
Means ...	137.0	150.8	...	105.0	...	63.1	75.0	...	35.8	...	4.7	6.4	2.5	

TABLE LIV.

Showing the amount of Rainfall and the number of days on which Rain fell at various Stations in Mauritius in 1894.

Months.	Rivière du Rempart.													
	Mon Loisir, H. Rouillard.		St. Antoine, A. de Chazal.		Bel Mont, A. de Chazal.		Poudre d'Or, A. de Chazal.		Schoenfeld, A. de Rosnay.		Labourdonnais, G. Aubin.		Mon Songe, E. D'Unienville.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	17.63	17	18.00	11	16.72	12	13.88	13	13.31	12	15.43	13	18.16	14
February	6.85	14	7.44	9	7.49	8	6.03	10	5.95	14	4.18	12	9.22	19
March	5.60	13	4.29	7	3.62	5	4.25	10	3.83	9	6.32	11	4.65	14
April, ...	4.81	10	5.78	6	6.06	6	5.78	9	5.98	8	5.61	7	7.30	15
May	3.89	6	5.01	8	5.84	7	6.01	10	5.76	13	4.13	9	8.23	11
June, ...	1.37	6	1.04	6	1.41	5	1.21	7	0.70	6	0.92	3	1.73	7
July, ...	4.52	13	3.61	9	3.93	10	4.67	13	3.64	17	5.69	17	4.94	17
August	2.64	15	1.70	10	1.91	9	2.33	12	2.49	18	2.65	11	3.70	16
September	1.95	9	1.44	7	1.59	6	1.59	7	1.44	14	3.05	9	1.92	5
October	1.11	7	0.32	1	0.48	2	1.17	10	1.22	7	1.10	5	1.19	6
November	1.70	3	1.12	2	1.94	3	2.12	5	2.23	5	1.96	4	1.83	6
December	5.76	12	5.61	9	5.42	8	5.68	13	5.15	13	4.33	11	6.35	11
Fall in 1894	57.83	125	55.36	85	56.41	81	54.72	119	51.70	136	55.37	112	69.22	141
Average fall	49.70	108	49.02	124	59.67	116	52.35	119	54.46	176	63.33	134	74.41	170
Excess or Defect in 1894 ...	+8.13	+17	+6.34	−39	−3.26	−35	+2.37	0	−2.76	−40	−7.96	−22	−5.19	−29
No. of years	2	2	21	18	6	6	15	15	12	11	32	33	12	12

Table LIV.—Showing the amount of Rainfall &c.—*Continued.*

Months.	Pamplemousses.													
	Mon Rocher, Ev. de Chazal.		Beau Plan, D. de St. Romain.		The Observatory, C. Meldrum.		Botanical Gardens, W. Scott.		The Mount, G. Antelme.		Le Plessis, Ed. Carosin.		Constance, E. D'Unienville.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	15.71	13	13.20	10	14.58	20	18.06	18	17.34	19	16.16	15	17.16	16
February	5.79	13	4.38	8	4.48	18	5.19	20	7.11	16	7.89	15	8.85	19
March	5.37	10	3.97	7	3.99	17	4.61	16	5.73	13	5.15	13	5.10	18
April	6.11	8	4.77	6	6.11	18	3.81	18	5.35	14	5.71	...	5.50	14
May	6.30	10	4.69	7	4.41	16	5.01	14	5.67	15	5.62	...	6.94	13
June	0.81	6	0.50	3	0.76	10	0.88	10	1.46	11	1.37	...	1.86	9
July	4.84	13	2.44	13	2.29	19	3.24	17	5.57	16	5.65	...	4.57	15
August	2.91	13	2.04	12	2.09	22	2.67	20	3.93	20	4.21	...	3.86	17
September	1.76	9	1.27	5	1.88	16	2.38	13	2.33	12	2.56	...	2.15	11
October	1.01	10	1.18	4	1.11	14	0.92	11	1.52	6	1.34	...	1.65	9
November	2.02	8	1.13	1	1.31	10	1.31	7	1.49	6	1.40	...	2.06	6
December.....	5.89	10	5.60	13	5.90	16	5.62	17	5.93	15	6.10	14	5.77	12
Fall in 1894	58.52	123	45.17	89	48.91	196	53.70	181	63.43	163	63.16	...	65.47	159
Average fall	62.82	123	53.24	106	48.43	205	65.74	167	68.46	...	...	...	71.60	148
Excess or Defect in 1894	− 4.30	0	− 8.07	− 17	+ 0.48	− 9	−12.04	+ 14	− 5.03	...	...	...	− 6.13	+ 11
No. of years	14	14	9	2	20	20	28	27	3	1	1	...	14	14

Table LIV.— Showing the amount of Rainfall &c.—*Continued.*

Months.	Pamplemousses.— *Continued.*						Flacq.							
	La Grande Rosalie, C. Montocchio.		California, C. Montocchio.		Australia, E. D'Unienville.		Rigny, Dr. Bouchet.		Beau Bois, V. Dupin.		Constance, (D'Arifat) A. Dalais.		Rich Fund, P. Eynaud.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	17.80	16	23.19	15	20.77	19	17.38	25	16.88	15	15.44	.....	19.16	20
February	8.09	16	12.44	12	9.45	18	12.12	24	6.28	15	7.36	.....	8.32	17
March	5.84	16	6.42	14	7.00	18	.....	.....	5.32	19	4.55	.....	4.88	19
April	6.12	8	6.76	11	6.46	12	.....	.....	6.61	13	5.18	.....	7.52	17
May	6.77	10	9.36	10	8.87	14	.....	.....	8.15	14	6.71	.....	9.50	16
June	1.28	5	0.83	4	1.97	6	.....	.....	1.50	8	1.55	8	1.76	6
July	4.99	16	4.41	13	5.15	14	.....	.....	4.28	16	3.81	16	5.28	18
August	4.34	16	4.83	15	4.45	17	.....	.....	4.26	20	2.75	19	4.92	13
September	3.19	11	2.51	10	2.43	10	.....	.....	2.32	14	1.65	8	2.04	6
October	1.78	5	1.60	7	1.24	7	2.16	19	0.87	9	0.77	6	1.88	5
November	1.93	6	2.08	6	1.04	7	3.32	11	1.79	5	1.69	8	3.46	9
December	6.62	14	7.01	12	7.17	15	9.05	19	7.69	16	5.50	14	7.84	11
Fall in 1894	68.75	139	81.44	129	76.00	157	.....	.....	65.95	164	56.96	.....	76.56	157
Average fall	73.17	169	79.36	131	.....	.....	100.43	266	.....	.....	63.71	.....	81.78	170
Excess or Defect in 1894	− 4.42	− 30	+ 2.08	− 2	.....	.....	.....	.....	...	.....	− 6.75	.....	− 5.22	− 13
No. of years	14	13	2	2	1	1	20	17	1	1	9	.....	6	5

TABLE LIV

Showing the amount of Rainfall etc.—*Continued.*

Months.	Flacq.—*Continued.*						Moka.							
	Union, A. Régnard.		Sans Souci, E. d'Argent.		Etoile, E. de la Hogue.		Gentilly, H. Finniss.		The Bower, C. F. Shand.		Lynnwood, Hon. H. Stein.		Bon Air, W. S. Telfair.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	12.30	...	24.87	18	22.45	...	16.85	21	15.59	21	17.76	25	16.65	21
February	9.83	...	14.01	17	9.26	...	15.70	18	13.12	20	15.21	19	16.02	16
March	3.34	...	9.04	18	6.30	...	5.67	21	6.73	21	6.36	21	5.60	15
April	6.83	...	15.88	20	13.03	...	3.97	17	4.82	?	5.22	23	5.40	14
May	7.55	...	11.61	16	12.68	...	6.50	17	.....	...	5.80	22	5.13	13
June	1.52	...	3 75	11	2.42	...	1.67	16	.....	...	1.31	17	1.32	11
July	3.21	...	10.37	16	8.15	...	3.42	16	.....	...	3.95	25	3.79	17
August	4.09	...	8.22	19	4.85	...	4.37	16	.....	...	4.09	23	4.01	19
September	1.98	...	3.89	11	4.35	...	2.04	16	.....	...	2.37	25	2.34	17
October	0.95	...	2.81	8	2 61	...	1.55	9	.....	...	1.63	16	1.30	9
November	4.38	...	7.90	7	4.01	...	1.20	5	0.88	6	1.17	13	0.98	8
December	4.56	...	17.43	13	15.46	...	11.68	19	8.89	20	8.96	22	9.89	19
Fall in 1894.	60.54	...	129.74	174	105.57	...	74.62	191	.....	...	73.83	251	72.43	179
Average fall.	71.57	194	127.37	214	101.60	187	82.70	199	64.43	302	69.34	227	65.68	206
Excess or Defect in 1894.	−11.03	...	+2.37	−40	+3.97	...	−8.08	−8	.....	...	+4.49	+24	+6.75	−27
No. of years.	18	10	11	7	13	11	21	21	9	9	25	25	11	11

Table LIV.— Showing the amount of Rainfall &c.— *Continued.*

Months.	Moka.— Continued.								Plaines Wilhems.					
	Alma, E. Régnard.		Le Réduit, W. Scott.		Minissy, L. Hardy.		Bishop's Court, Hon. A. Mure.		Bagatelle, R. Boulle.		Beau Séjour, Hon. J. Fraser, C. M. G.		Trianon, E. Lagesse.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	33.69	...	12.73	19	16.36	18	16.76	26	15.14	20	17.88	16	15.99	22
February	29.91	...	11.60	14	12.75	12	16.39	22	17.33	16	17.71	11	16.26	16
March	12.31	...	5.18	10	5.38	13	6.25	27	5.42	13	.....	.....	4.25	22
April	11.97	...	3.07	8	5.41	13	5.61	23	5.12	11	.....	.....	4.35	16
May	8.58	...	4.29	10	5.23	12	.....	...	5.26	10	.....	.....	4.60	16
June	4.73	...	0.92	6	1.74	10	.....	...	2.20	8	.....	.....	1.51	17
July	9.50	...	2.92	16	3.52	12	.....	...	4.31	13	.....	.....	4.02	15
August	9.08	...	2.65	16	4.44	19	.....	...	4.03	14	.....	.....	3.28	18
September	5.53	...	1.29	13	1.90	8	.....	...	2.05	11	.....	.....	2.64	19
October	2.29	...	0.87	4	0.81	5	.....	...	0.72	4	.....	.....	1.25	13
November...	4.87	...	0.69	3	2.43	8	.....	...	1.93	3	.....	.....	1.63	7
December...	12.04	...	7.33	11	9.83	15	.....	...	8.04	16	.....	.....	9.39	18
Fall in 1894	144.50	...	53.54	130	69.80	145	.....	...	71.55	139	.....	.....	69.17	199
Average fall	131.28	257	57.65	182	70.54	135	.....	...	74.29	229	68.25	188	63.19	203
Excess or Defect in 1894...	+ 13.22	...	− 4.11	− 52	− 0.74	+ 10	.....	...	− 2.74	− 90	.....	.....	+ 5.98	− 4
No. of years	22	20	8	7	12	12	1	1	4	5	32	32	28	26

Table LIV.—Showing the amount of Rainfall &c.—*Continued.*

Months.	Plaines Wilhems.—Continued.													
	Phœnix, (Estate) O. Moizeau.		Highlands, D. Dalais.		Phœnix, near Railway Station F. C. Estill.		Réunion. Hon. G. Robinson.		Marton, Vacoas, F. Nash.		Curepipe Gardens. W. Scott		Villa le Bain, Th. V. Latour.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	21.28	24	19.35	...	.....	...	26.92	24	24.64	25	32.78	29	34.89	27
February	18.72	17	14.62	...	.....	...	18.44	19	16.49	24	19.91	25	20.55	27
March	6.66	18	5.77	...	.....	...	7.75	23	6.76	24	11.01	26	10.46	28
April	7.57	19	5.84	...	.....	...	6.95	19	5.88	24	12.54	30	12.03	30
May...	5.11	16	6.00	...	.....	...	5.50	16	5.60	17	6.78	26	6.71	24
June	2.11	13	2.04	...	.....	...	2.37	16	2.16	21	3.31	25	3.44	24
July...	7.13	17	3.73	...	.....	...	6.66	20	6.43	20	9.69	30	9.25	29
August	5.47	19	4.35	...	4.19	21	6.26	21	5.68	26	9.59	30	9.91	31
September	6.57	18	3.90	...	6.01	22	4.99	19	4.97	29	7.27	29	8.30	30
October	1.51	7	1.90	...	1.66	16	1.30	11	1.24	20	1.64	25	1.70	29
November	1.78	8	1.76	...	2.08	16	1.70	10	1.97	19	1.96	16	1.97	20
December	14.70	19	10.69	...	12.01	22	12.57	20	12.30	24	16.45	22	15.41	24
Fall in 1894	98.61	195	79.95	...	.....	...	101.41	218	94.12	273	132.93	313	134.62	323
Average fall	71.74	228	74.36	172	89.19	259	84.46	238	91.07	270	129.38	275	128.70	318
Excess or Defect in 1894...	+26.87	−33	+5.59	...	.....	...	+16.95	−20	+3.05	+3	+ 3.55	+38	+5.92	+ 5
No. of years	16	14	15	13	5	5	17	14	4	4	11	11	9	2

Table LIV.—Showing the amount of Rainfall &c.—*Continued.*

Months.	Plaines Wilhems.—Continued.										Black River.			
	Henrietta, C. F. Shand,		The Glen, C. F. Shand.		La Marie, C. F. Shand.		Tamarind Falls, C. F. Shand.		Mare-aux-Vacoas, E. Brine, C. E.		Casela, C. H. Kœnig.		Wolmar, (Clarens) C. H. Kœnig.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	26.43	24	30.59	27	29.95	18	25.80	29	35.72	21	10.76	14	9.00	12
February	19.30	18	22.32	19	20.35	14	14.61	19	20.11	16	7.28	12	7.31	8
March	8.99	21	6.82	25	11.28	20	7.98	24	18.61	25	1.65	7	1.24	3
April	7.83	19	6.53	19	9.54	15	4.02	19	15.72	26	4.27	5	4.78	5
May	4.95	14	4.74	22	5.29	14	4.00	13	8.26	22	4.74	6	4·01	4
June	2.19	15	2.30	16	2.39	14	2.23	13	4.86	21	0.65	1	0.00	0
July	5.09	17	4.86	27	6.92	14	4.73	16	12.17	22	2.91	6	1.72	4
August	5.83	20	5.54	24	7.50	22	5.68	22	13.25	26	0.29	3	0.13	1
September	3.24	15	3.08	20	3.75	14	2.99	20	8.40	26	3.59	6	2.39	4
October	0.85	7	0.82	10	0.85	8	0.80	10	3.39	20	0.84	5	0.77	3
November	0.82	8	0.75	9	0.98	6	0.91	7	2.87	12	0.22	2	0.17	1
December	12.21	21	11.65	19	14.28	16	11.61	20	16.45	24	5.40	9	5.28	6
Fall in 1894	97.73	199	100.00	237	113.08	175	85.36	212	159.81	261	42.60	76	36.80	51
Average fall	83.45	239	86.71	260	101.11	203	79.30	233	141.88	226	51.42	65	33.35	46
Excess or Defect in 1894 ...	+14.28	−40	+13.29	−23	+11.97	−28	+6.06	−21	+17.93	+35	−8.82	+11	+3.45	+5
No. of years	13	13	8	8	12	12	8	8	6	6	7	7	12	7

Table LIV.—Showing the amount of Rainfall &c.—*Continued.*

Months.	Black River—Continued.								Grand Port.					
	Tamarin, C. H. Kœnig.		Chamarel. St Denis, W. West.		Chamarel. Yard, W. West.		Chamarel. La Flèche, W. West.		Ferney, J. Wiéhé.		Cluny, J. H. Desplaces.		Riche-en-Eau, E. de Rochecouste.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	11.14	13	14.10	19	12.95	17	10.32	17	17.17	20	33.94	23	16.97	...
February	9.10	12	9.75	15	11.16	13	10.90	13	6.22	16	17.80	19	8.75	...
March	1.64	7	5.61	17	6.19	14	6.65	14	3.52	13	9.50	22	4.85	...
April	4.16	5	10.08	19	9.93	12	8.62	11	9.30	14	19.24	22	9.22	...
May	3.52	7	3.85	10	5.45	12	5.44	12	12.45	16	10.41	16	10.25	...
June	0.68	4	3.19	16	2.69	14	2.58	14	0.95	8	1.24	7	1.81	...
July	2.08	6	4.02	13	3.40	14	4.27	14	6.25	14	11.64	18	5.34	...
August	0.57	4	5.15	14	5.24	15	5.47	15	3.31	11	10.62	24	5.41	...
September	1.27	2	3.12	9	4.05	7	2.54	5	2.00	13	6.74	22	3.31	...
October	0.42	2	0.53	2	1.22	3	1.71	3	1.96	7	2.73	13	1.65	...
November	0.49	2	0.97	4	0.75	4	0.81	3	5.29	4	5.77	6	6.32	...
December	4.76	8	6.86	10	7.06	13	7.55	13	13.57	18	17.96	17	13.77	...
Fall in 1894	39.83	72	67.23	148	70.09	138	66.86	134	81.99	154	147.59	209	87.65	...
Average Fall	38.18	72	71.90	...	76.94	138	63.53	...	89.92	188	145.56	244	90.07	245
Excess or Defect in 1894 ...	+1.65	0	−4.67	...	−6.85	0	+3.33	...	−7.93	−34	+2.03	−35	−2.42	...
No, of years	13	7	2	1	16	11	2	1	17	17	31	31	17	13

Table LIV.—Showing the amount of Rainfall &c.—*Continued.*

Months.	Grand Port.— Continued.						Savanne.							
	Astrœa, A. Daniel.		Beau Vallon, A. de Rochecouste,		Gros Bois, E. de Robillard.		St. Avold, A. Bour.		Colmar, Sir V. Naz, K.C.M.G.		Beau Bois, A. Pitot.		Bénarès Résidence, Sir V. Naz, K.C.M.G.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	16.88	18	14.18	23	18.44	17	22.53	.....	14.94	20	.....	...	14.45	20
February	10.88	19	6.20	17	9.94	17	12.08	.....	4.91	16	.....	...	9.25	15
March	6.43	21	3.84	17	5.66	17	8.69	.....	4.83	14	.....	...	5.46	20
April	10.35	20	6.48	16	7.23	13	13.[illegible]4	.....	6.85	13	.....	...	8.00	16
May	8.32	19	9.94	13	8.21	12	8.38	.....	7.44	11	.....	...	12.46	11
June	2.42	12	1.06	9	1.67	11	3.15	.....	1.36	8	1.88	14	1.39	6
July	6.17	17	3.13	14	7.08	16	8.01	.....	6.22	15	7.86	16	7.12	16
August	5.39	22	3.09	15	5.36	20	8.06	.....	3.78	16	.....	...	3.00	14
September	4.88	21	1.87	12	4.78	23	6.31	.....	4.75	13	.....	...	4.20	13
October...	1.62	11	0.56	4	1.10	9	1.[illegible]8	.....	1.00	6	.....	...	1.01	7
November	7.50	9	5.32	2	6.94	8	2.[illegible]0	.....	2.37	5	.....	...	4.41	5
December	13.92	18	11.98	14	11.84	19	11.25	.....	12.83	14	.....	...	7.30	14
Fall in 1894	94.76	207	67.65	156	88.25	182	105.98	.....	71.28	151	.....	...	78.05	157
Average Fall	106.56	204	65.55	210	97.71	206	113.06	209	93.12	191	.....	...	63.85	173
Excess or Defect in 1894.	−11.80	+ 3	+ 2.10	− 54	− 9.46	− 24	− 7.08	.....	− 21.84	− 40	.....	...	+ 14.20	− 16
No. of years	13	10	30	30	31	31	8	6	23	23	.....	...	9	8

Table LIV.—Showing the amount of Rainfall &c.—*Continued.*

Months.	SAVANNE.—Continued.											
	Bénarès, Sugar House, Sir V. Naz, K.C.M.G.		Beau Champ, Allam & H. C. Mamoojee.		St. Aubin, A. Pitot.		Bel Ombre, Allam & H. C. Momoojee.		Union Bel Air, Th. V. Latour.		Terracine, O. Pilot.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	10.33	15	10.39	13	.....	...	12.82	19	12.25	20	13.54	...
February	8.25	18	7.01	12	.....	...	6.37	12	7.23	16	5.71	...
March	4.69	17	3.58	9	.....	...	2.75	16	4.07	17	3.75	...
April	5.88	12	11.41	14	.....	...	13.27	14	11.69	16	10.01	...
May	9.13	10	3.82	10	10.30	19	5.80	14	6.06	15	6.92	...
June	1.13	6	0.99	7	1.69	13	1.47	11	1.72	10	1.88	...
July	6.21	14	4.20	13	8.09	16	4.28	16	6.22	16	7.72	...
August	2.53	13	2.16	12	.....	...	3.74	20	5.48	22	3.05	...
September	2.77	10	2.11	8	.....	...	2.33	9	3.62	14	2.93	...
October	0.87	4	0.78	6	.....	...	1.13	6	1.29	10	0.76	...
November	4.13	4	0.66	5	.....	...	0.50	4	0.46	5	0.58	...
December	12.03	13	5.89	17	.....	...	5.85	14	7.61	17	7.17	...
Fall in 1894	67.95	136	53.00	126	.....	...	60.31	155	67.70	178	64.02	...
Average Fall	62.26	150	58.57	...	84.09	216	64.92	...	76.49	153	62.05	150
Excess or Defect in 1894	+5.69	−14	−5.57	...	.....	...	−4.61	...	−8.79	+25	+1.97	...
No. of years	3	2	15	1	29	29	9	1	26	26	6	5

METEOROLOGICAL OBSERVATIONS.

TABLE LV.

Rainfall in 1889—93. (Not hitherto published.)

District.	Flacq.				
Station.	Union, A. Régnard.				
Years.	1889	1890	1891	1892	1893
Months.	Inches.	Inches.	Inches.	Inches.	Inches.
January	17.90	4.61	4.05	11.65	14.[illegible]7
February	9.28	11.45	5.36	7.24	4.66
March	32.23	12.35	13.96	11.95	9.16
April	6.29	12.88	12.63	11.47	13.00
May	2.04	2.98	3.32	5.89	6.68
June	1.67	5.00	4.87	9.02	3.34
July	5.20	3.96	6.23	0.69	4.03
August	5.68	2.71	2.10	1.04	1.97
September	1.84	2.51	3.88	2.14	0.85
October	1.14	1.93	1.08	2.01	0.78
November	2.30	9.75	2.86	2.80	2.15
December	7.68	2.61	3.04	4.78	2.80
Totals	93.25	72.74	63.38	70.68	63.79

TABLE LVI.

Approximate Altitudes of Rainfall Stations above the sea-level.

Stations.	Feet.
Rivière du Rempart.	
Mon Loisir ...	?
St. Antoine...	90
Bel Mont.....	50
Poudre d'Or	60
Schœnfeld	?
Union	260
Labourdonnais	290
Mon Songe...	620
Pamplemousses.	
Mon Rocher	270
Beau Plan...	195
The Observatory	179
Botanical Gardens	225
The Mount ...	325
Le Plessis ...	?
Constance ...	620
La Grande Rosalie	643
California	850
Australia.....	?
Flacq.	
Rigny	575
Beau Bois ...	?
Constance ...	?
Rich-Fund...	?
Sans Souci...	860
Etoile	790
Moka.	
Gentilly	1150
The Bower ...	1080
Lynnwood ...	1100
Bon Air	1050
Alma	1500
Réduit	1000
Minissy	1150
Bishop's Court	1000
Plaines Wilhems.	
Bagatelle.....	1300
Plaines Wilhems.— Continued.	
Beau Séjour	970
Trianon	950
Phœnix (Estate)	1300
Highlands ...	1400
Phœnix (near Railway Station)	1315
Réunion (Vacoas)	1420
Marton („)	1400
Curepipe Gardens	1840
Villa-le-Bain	1840
Henrietta ...	1549
The Glen.....	1580
La Marie.....	1715
Tamarind Falls	1629
Mare-aux-Vacoas	1850
Black River.	
Caselà	250
Wolmar (Clarence)	200
Tamarin	150
St. Denis } Chamarel.....	?
Yard } Chamarel.....	850
La Flèche } Chamarel.....	?
Grand Port.	
Ferney	20
Cluny	1000
Riche-en-Eau	800
Astrœa	700
Beau Vallon	60
Gros Bois.....	500
Savanne.	
St. Avold.....	840
Colmar	400
Beau Bois ...	?
Bénarès (Residence)	300
Bénarès (Sugar House).....	200
Beau Champ	60
St. Aubin ...	300
Bel Ombre ...	50
Union Bel Air	90
Terracine ...	50

TABLE LVII.

Five Day Means, 1894.

Number of 5 day periods.	Barometric Pressure, not reduced to sea-level.	Temperature of Air, from Thermogram Tabulations.	In a screen on Lawn. Maximum Temperature.	In a screen on Lawn. Minimum Temperature.	Vapour Tension.*	Relative Humidity.*	Wind. North Component.	Wind. East Component.	Wind. Velocity.	Upper Clouds.	Lower Clouds.	Amount of Ozone.	Rainfall.†
	Inches.	°	°	°	Inch.	P. C.	Miles.	Miles.	Miles.				Inches.
1	29.712	80.4	90.8	71.0	.707	72.2	+ 4.17	+ 5.45	8.8	0.5	4.8	1.3	0.00
2	.651	78.9	87.5	73.2	.757	76.9	− 1.50	+ 18.24	18.9	0.1	7.3	3 3	1.25
3	.466	75.8	82.1	71.7	.785	86.4	− 6.95	+ 13.01	20.0	0.0	8.4	7.0	12.26
4	.736	76.6	88 3	69.2	.706	77.1	− 2.45	+ 5.31	9.4	0.0	6.6	4.7	0.15
5	.792	77.3	87.6	70.0	.673	74.0	− 2.34	+ 11.33	11.9	0.5	4.1	3.4	0.17
6	.740	78.0	85.9	73.0	.788	83.2	+ 1.34	+ 11.87	12.9	0.5	6.6	3.8	0.65
7	.784	78 6	87.6	70.7	.736	76.8	+ 0.79	+ 9.91	10.4	0.7	4.8	2.5	0 14
8	.757	78.5	88.1	71.5	.734	77.3	− 0.19	+ 9.23	9.8	0.5	4.6	3.9	0.70
9	.765	78.2	88.0	70.5	.703	74.3	− 0.82	+ 9.71	10.1	0.1	3.4	3.9	0.10
10	.688	78.2	88.3	71.9	.751	79.1	− 4.10	+ 9.91	11.2	2.0	4.7	3.3	0.62
11	.460	77.8	82.2	74.5	.775	81.3	− 18.27	+ 15.58	26.8	1.3	8.1	‡ 2.2	2.77
12	.647	77.3	85.0	71.7	.752	80.7	+ 1.00	− 0.90	8.9	0.6	5.3	2.3	0.28
13	.791	77.7	86.0	70.4	.723	76.0	− 4.03	+ 10.20	11.2	0.1	4.7	2.7	0.05
14	.754	77.1	84.9	71.9	.712	76.6	− 6.29	+ 13.89	15.4	0.4	4.2	5.0	0.49
15	.704	76.6	83.5	71.5	.740	79.7	− 2.63	+ 14.42	15.6	0.7	6.9	4.6	2.96
16	.698	75.6	85.4	65.6	.687	77.0	− 3.51	+ 1.46	6.6	0.8	3.9	3.1	0.00
17	.817	77.4	86.7	69.7	.706	75.7	− 1.65	+ 7.52	8.1	0.9	3.8	4.4	0.10
18	.842	76.4	85.6	69.5	.722	80.8	+ 0.68	+ 8.36	9.0	1.8	4.6	5.2	0.36
19	.806	75.4	85.6	66.9	.707	81.1	− 1.92	+ 6.65	8.4	0.4	3.9	4.4	1.46
20	.859	75.8	84.7	67.8	.685	76.5	− 1.53	+ 10.27	10.7	1.1	5.2	4.8	0.07
21	.791	75 3	85.1	67.5	.689	79.6	− 1.06	+ 6.41	7.6	0.8	5.3	5.4	0.16
22	.801	74.8	82.7	68.7	.697	80.6	− 3.00	+ 13.46	14.2	0.3	6.2	6.1	4.07
23	.749	‡ 73.9	83.3	67.2	.622	71.6	− 7.77	+ 4.02	10.2	0.7	4.8	5.5	0.13
24	.871	74.9	82.2	69.4	.658	75.8	− 2.51	+ 13.81	14.8	0.4	7.0	5.7	0.22
25	.853	73.4	82.9	65.2	.656	80.8	+ 0.06	+ 3.73	7.5	0.2	6.0	6.6	0.51

* In a large open room. † Five day sums. ‡ Four day mean.

TABLE LVII.—*Continued.*

Five day Means 1894.

Number of 5 day periods.	Barometric Pressure, not reduced to sea level.	Temperature of Air, from Thermogram Tabulations.	In a screen on Lawn. Maximum Temperature.	In a screen on Lawn. Minimum Temperature.	Vapour Tension*.	Relative Humidity *.	Wind. North Component.	Wind. East Component.	Wind. Velocity.	Upper Clouds.	Lower Clouds.	Amount of Ozone.	Rainfall †
	Inches.	°	°	°	Inch.	P. C.	Miles.	Miles.	Miles.				Inches.
26	29.910	69.4	80.6	60.0	.523	72.9	− 6.93	+ 6.04	10.4	0.4	3.9	6.1	0.47
27	.922	71.8	81.2	64.3	.623	79.2	− 2.10	+ 8.29	9.1	0.3	6.3	5.4	0.23
28	.882	72.8	80.9	67.0	.663	82.4	− 1.74	+ 3.58	6.1	1.2	7.3	5.3	1.16
29	.863	70.9	80.1	64.6	.636	83.8	− 2.10	+ 4.47	7.0	1.0	5.7	5.2	1.88
30	.841	68.2	79.9	58.1	.533	74.2	− 4.58	+ 3.71	6.9	0.0	3.9	4.8	0.16
31	.844	66.7	80.2	56.4	.507	74.4	− 3.70	+ 5.31	7.0	0.2	3.3	5.4	0.00
32	.889	66.0	77.2	55.3	.487	74.7	− 5.66	+ 2.63	7.5	0.6	4.9	4.7	0.01
33	30.011	66.2	78.0	56.0	.454	71.5	− 4.83	+ 7.52	9.2	0.0	2.7	5.6	0.03
34	29.982	65.7	78.8	54.8	.445	65.9	− 6.03	+ 4.57	8.6	0.0	4.1	5.3	0.04
35	30.019	67.8	78.4	58.8	.470	68.0	− 5.84	+ 7.12	9.9	0.5	5.3	4.4	0.13
36	.003	68.7	77.7	61.9	.495	70.1	− 8.77	+10.61	14.2	0.0	3.1	5.2	0.37
37	.079	67.9	76.4	61.8	.497	72.8	− 5.56	+14.97	16.2	0.0	4.7	‡5.2	0,62
38	29.934	69.3	77.4	62.8	.574	79.0	− 5.53	+11.90	13.4	0.0	5.3	6.3	0.29
39	.921	70.9	80.0	65.5	.645	84.3	− 1.01	+ 8.39	9.1	0.2	6.8	6.3	0.64
40	30.049	68.4	78.3	60.5	.527	74.3	− 5.01	+ 8.53	10.7	0.0	4.7	3.9	0.25
41	29.958	66.7	78.4	57.7	.519	78.4	− 2.53	+ 5.85	7.6	0.3	4.8	4.9	0.15
42	.952	68.6	78.6	60.8	.543	75.0	− 2.59	+11.15	11.8	0.1	4.7	5.5	0.52
43	.974	67.8	79.0	57.3	.495	71.8	− 4.01	+ 8.20	10.2	0.0	2.5	5.8	0.09
44	.989	69.2	77.7	63.6	.544	75.2	− 3.28	+13.03	13.8	0.2	6.9	6.1	0.45
45	30.057	67.8	77.2	61.1	.501	73.7	− 5.27	+13.43	14.7	0.0	6.0	6.2	0.49
46	.028	68.3	77.9	60.5	.484	70.9	− 3.44	+12.32	13.5	1.4	5.0	5.6	0.27
47	29.973	69.0	79.8	61.9	.545	78.2	− 5.22	+11.60	13.2	0.0	5.5	5.5	0.11
48	.967	70.0	80.8	64.4	.570	76.1	− 2.44	+11.56	12.1	2.2	3.9	6.8	0.38
49	30.005	68.6	78.1	62.9	.541	77.0	− 4.56	+13.95	14.9	0.0	5.1	6.8	1.08
50	29.979	69.0	81.1	59.7	.542	77.9	− 1.76	+ 7.24	8.6	0.0	5.2	5.9	0.15

* In a large open room. † Five day sums. ‡ Two day mean.

TABLE LVII—*Continued.*

Five Day Means, 1894.

Number of 5 day periods.	Barometric Pressure, not reduced to Sea-level.	Temperature of Air, from Thermogram Tabulations.	In a screen on Lawn. Maximum Temperature.	In a screen on Lawn. Minimum Temperature.	Vapour Tension.*	Relative Humidity.*	Wind. North Component.	Wind. East Component.	Wind. Velocity.	Upper Clouds.	Lower Clouds.	Amount of Ozone.	Rainfall †
	Inches.	°	°	°	Inch.	P. C.	Miles.	Miles.	Miles.				Inches.
51	29.973	69.6	80.5	60.9	.543	77.0	− 0.63	+ 9.51	10.4	0.7	5.3	5.7	0.06
52	.987	70.0	80.6	62.8	.517	71.6	− 1.86	+ 12.65	13.1	0.0	6.2	6.1	0.17
53	.949	71.0	82.0	62.7	.557	76.6	+ 0.53	+ 9.52	10.2	0.3	5.5	6.2	0.58
54	.978	70.9	83.0	61.8	.548	73.8	− 1.85	+ 10.52	11.0	0.0	4.2	5.8	0.06
55	.963	70.8	82.7	62.4	.541	72.3	− 0.89	+ 11.47	11.8	1.1	4.9	5.3	0.10
56	.977	71.7	83.6	64.2	.551	71.9	− 1.92	+ 11.03	11.6	0.0	4.8	6.1	0.54
57	.911	72.4	84.4	63.4	.536	70.5	+ 0.74	+ 8.93	9.5	1.9	2.9	4.3	0.02
58	.856	69.3	82.7	58.4	.528	74.0	− 4.79	+ 5.59	8.8	0.1	6.6	5.0	0.16
59	.871	70.8	85.2	58.9	.535	74.3	− 1.96	+ 5.35	8.2	0.8	3.8	5.1	0.28
60	.880	74.5	87.0	66.2	.621	76.3	− 2.20	+ 12.98	13.8	0.8	4.9	4.4	0.09
61	.917	72.4	84.8	62.1	.485	63.4	− 3.96	+ 7.21	10.4	1.2	5.7	4.5	0.00
62	.923	73.5	86.3	64.7	.548	68.8	− 2.34	+ 7.44	9.8	0.0	6.2	2.6	0.06
63	.976	74.8	89.1	64.6	.601	71.1	− 1.72	+ 10.36	11.7	0.3	3.7	3.5	0.02
64	.976	75.4	88.3	66.1	.583	69.2	− 1.11	+ 13.75	14.2	0.3	4.2	4.4	0.03
65	.933	76.1	88.9	68.1	.625	71.2	+ 1.23	+ 12.47	12.7	1.4	4.1	4.4	0.05
66	.853	74.7	89.4	60.9	.579	70.3	+ 0.93	+ 9.05	9.6	1.1	2.1	3.4	0.00
67	.684	77.1	85.9	69.5	.717	80.1	+ 5.20	+ 5.20	9.3	1.4	7.1	4.1	1.18
68	.758	80.1	88.2	73.3	.786	80.9	+ 3.36	+ 0.96	7.9	2.5	5.7	2.1	0.88
69	.692	77.5	84.2	71.7	.779	84.0	+ 6.44	+ 4.40	13.8	1.6	7.2	4.2	3.97
70	.769	77.6	87.5	71.6	.718	77.0	− 4.64	+ 14.06	15.5	0.7	6.1	4.6	0.43
71	.686	77.8	85.4	71.9	.720	75.3	− 4.18	+ 2.21	13.3	1.6	5.6	3.6	0.42
72	.778	78.1	88.7	68.2	.730	78.4	− 0.12	+ 6.90	8.5	0.1	4.8	3.2	0.11
73	.791	78.8	88.7	71.0	.703	74.2	− 0.09	+ 11.15	11.5	0.8	4.1	4.5	0.06

* In a large open room. † Five day sums.

METEOROLOGICAL OBSERVATIONS.

TABLE

Showing approximately the Dates, Localities, &c., of

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Winds. Direction.	Winds. Max. Force.
January.							Beaufort
8—16	15° S.	25° S	62° E	56° E	S. S. Taierie, Sierra Ventana, Alcester, &c.	All points...	12
February							
3— 5	10° S.	16° S.	60° E.	45° E.	S.S. Amazone, Warda, &c. ...	All points...	12
12—14	32 „	30 „	49 „	50 „	Myrtle...	South, S.E., E.S.E. ...	9
13—15	43 „	30 „	4 „	14 „	Sierra Cordova	W., N.W.	8
19—22	15 „	21 „	64 „	57 „	Leander, Primrose, S.S. Warora, etc.	All points	12
19—23	25 „	27 „	48 „	45 „	Myrtle	S.E., E.N.E. to S.E. ...	9
20—21	42 „	43 „	44 „	37 „	Sierra Cordova	N.N.E., N., N.W., W. ...	8
21	19 „	...	74 „	...	Grassendale	E. to N.	8
24—26	16 „	21 „	63 „	61 „	Paula	W.S.W., N.W., N.N.W....	12
26—27	29 „	...	100 „	101 „	Coorong...	E., N.E., N., N.W., W. ...	9
26—27	31 „	...	59 „	...	Jeanne Madeline	E.S.E., S.E., N.E. ...	...
March.							
10—13	14° S.	20° S	66° E.	56° E.	Sir Lancelot, etc.	N.N.W., N.W.	8
17—19	18 „	23 „	67 „	62 „	do.	do.	...
27—28	21 „	...	59 „	...	Helvetia...	E., E.N.E....	9
28—29	12 „	13 „	69 „	...	British Isles	W., N.N.W., W.	9
April.							
1— 2	24° S.	...	70° E.	77° E.	Verulam	E.S.E., S.E., S., N., N.E.	9
1— 4	33 „	36° S.	30 „	27 „	Drumlanrig	S.b.E., S., S.W., W.S.W.	9
6— 8	41 „	...	6 „	17 „	Cabul	S.W., W.S.W.	9
18—21	3 „	7 „	82 „	83 „	Golden Fleece	W.S.W., North	9
21—23	35 „	30 „	54 „	51 „	Cabul	S., S.S.E.	10
23—25	1 N.	2 N.	90 „	89 „	John Davie	S., S.W. to W.	8
27—29	13 S.	15 S.	59 „	45 „	Earnest, Gabrielle, S.S. Mpanjaka.	All points	12

METEOROLOGICAL OBSERVATIONS.

LVIII.

Hurricanes and Gales in the Indian Ocean in 1894.

Barometer.		Remarks.	Mauritius.					
			Barometer at sea-level.		Temperature.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. velocity per hour.
Inches.	Inches.				Deg.	Deg.		Miles.
30.18	29.20	Terrific hurricane, frightful sea...	29.927	29.412	85.0	73.0	E.S.E. to E. b. N.; E. to S. E.; S., S. W., W.S.W., and W.	41.0
29.93	28.78	Hurricane passed over Diégo Suarez.	30.030	29.923	84.0	74.4	E.S.E. to E.N.E. ...	19.4
...	...	Thick rain with squalls	29.973	29.928	84.4	70.0	E.S.E. to E.b.N. ...	21.4
30.12	29.90	Very heavy cross sea, thick fog and rain.	29.939	29.928	84.4	70.0	E.S.E. to E.b.N. ...	21.4
29.94	29.82	Cyclone. Terrific squalls, rain and lightning.	29.843	29.276	85.5	75.0	S.E. b. E, S.S.E., S., S.W., W.S.W.	62.2
...	...	Heavy gale, with tremendous sea and rain.	29.798	29.370	85.5	75.0	S.E.b.E. to S., S.W., W.S.W.; E.S.E.	62.2
30.50	30.20	Heavy rain, cross sea	29.768	29.683	85.5	77.1	S.S.E. and S. ...	39.0
29.90	...	Heavy squalls, with a high confused sea.	29.683	...	81.2	78.0	S. to S.S.E. ...	39.0
...	29.166	Cabin full of water. Hurricane ...	29.796	29.713	81.6	74.0	E.S.E., S.E., S., W., N.N.W.	40.5
30.02	29.64	Blowing furiously with rain. ..	29.879	29.796	81.5	74.0	S.W., N.W., N.N.W., N.	17.1
30.13	29.60	Gale with squalls and very heavy high sea.	29.879	29.796	81.5	74.0	S.W., N.W., N.N.W., N.	17.1
29.70	...	Squalls and high sea.	29.941	29.844	82.0	73.4	S.E.b.E., E., E.b.N.	27.3
...	...	A cyclonic disturbance, passed East of Rodrigues.	29.901	29.793	83.7	68.1	S.E.b.E. to S., S.S.W., and W.S.W.	17.6
29.92	...	Very high sea with squalls and rain.	30.031	29.979	83.3	71.1	E.S.E. to E.N.E. ...	17.1
29.96	29.67	Squalls and very heavy sea.	29.997	29.979	82.3	71.4	E.b.S., E.N.E, N.E.	15.8
30.00	29.70	.....	30.038	29.964	81.1	70.7	S.E.b.E., E.S.E., E.	19.4
29.80	...	Terrific gale, with frightful high sea.	30.038	29.956	82.4	67.4	S.E. b. E. to E.N.E. and W.S.W., S.	19.4
30.20	29.45	Hard gale, with heavy squalls, and heavy cross sea.	30.055	30.041	81.6	69.4	E., E.N.E., E.S.E....	15.9
29.94	29.75	Heavy gale with terrific squalls and much rain.	29.995	29.853	81.2	70.0	E.S.E. to E.b.N., and N.E.b.E.	21.8
30.00	29.75	Gale increasing to hurricane force.	29.906	29.816	81.2	72.2	E. S. E., N. E. b. E., S.W., S.	18.2
29.80	29.71	Heavy squalls and rain with high sea.	30.082	29.906	80.0	67.3	S., S.S.E.	24.6
30.02	29.45	Cyclone at Majunga.	30.070	30.023	80.9	71.0	E.S.E., E., N.E. ...	29.8

METEOROLOGICAL OBSERVATIONS.

TABLE

Showing approximately the Dates, Localities, &c., of

Dates.	Localities.				Vessels by which experienced.	Winds.	
	Latitude.		Longitude.				
	From	To	From	To		Direction.	Max. Force.
May.							Beaufort
4— 7	38 ° S.	41 ° S.	2 ° E.	17 ° E.	Mennock	N., N.W., W.	8
8— 9	43 „	...	103 „	...	Umvoti	N.W. to S.W.	9
11—15	11 „	...	43 „	...	Myrtle	S.E., S.S.W.	9
19—21	40 „	42 „	72 „	60 „	Mennock, Talavera ...	N.N.E. to N.N.W. ...	9
25	40 „	...	89 „	...	Talavera	S.S.E., S.E.	9
26—27	35 „	...	15 „	17 „	Mexico	W., S.W., S., S.E.b.S. ...	9
28—31	30 „	35 „	21 „	...	Charlotte, Mexico ...	W.S.W., W., W.N.W. ...	9
30—31	19 „	21 „	42 „	...	Myrtle	N.W.	9
June.							
1— 7	8 ° N.	9 ° N.	92 ° E.	...	Sierra Nevada	S.W. to N.W.	9
1— 6	34 S.	37 S.	24 „	35 ° E.	Mexico, Charlotte ...	N.b.W., S.S.W. and S.W.; S.S.W.	10
2— 3	40 „	43 „	109 „	115 „	Talavera, Mennock ...	N.W., W., S.W. ...	9
3— 5	37 „	39 „	1 „	12 „	Overdale, Blue Bell ...	W.S.W., S.W.	9
4— 5	27 „	...	45 „	47 „	Myrtle	W.	8
8—19	22 „	29 „	18 „	60 „	Blue Bell, Overdale, &c., ...	N., N.W., S.W.b.W. ...	9
11—18	36 „	37 „	117 „	118 „	Hannah Nicholson ...	N., N.W., W.N.W., W. ...	9
19—20	8 N.	11 N.	82 „	...	Golden Fleece	W. to S.W.	9
21—23	36 S.	...	114 „	116 „	Hannah Nicholson ...	N.N.W., N.W.	8
23—27	31 „	45 S.	4 „	57 „	Ares, Fleetwood, &c., ...	N.W. to S.W.	9
26	2 „	...	82 „	...	Columbus	S.S.W., S.	9
28—29	20 „	23 „	47 „	50 „	Myrtle, White Bait ...	S.W., S., S.E.	9

METEOROLOGICAL OBSERVATIONS.

LVIII.—(*Continued.*)

Hurricanes and Gales in the Indian Ocean in 1894.

Barometer.		Remarks.	Mauritius.					
			Barometer at sea-level.		Temperature.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. velocity per hour.
Inches.	Inches.		Inches	Inches.	Deg.	Deg.		Miles.
29.70	29.30	Heavy rain and high cross sea...	30.062	29.957	80.3	64.2	E.S.E., Nly., W., S. W.,S.,var.,S.E.,E.S.E	21.3
29.84	29.40	Heavy squalls and high sea ...	30.127	30.115	75.0	59.0	S.S.E., S.E. ...	25.9
...	...	Heavy squalls	30.219	30.024	78.5	66.2	S E., E., E.N.E. ...	21.7
29.80	29.40	High cross sea	30.088	30.063	78.3	68.9	S.E. to E.N.E., E., N., W.	12.1
30.49	...	Heavy gale and heavy sea ...	30.058	...	76.9	64.0	E. b. S., S.E., S. ...	12.3
30.20	29.90	Heavy sea	30.025	29.993	75.8	63.6	S.E. to S.	13.8
30.60	29.88	Strong gale, with tremendous sea.	30.078	29.997	76.6	58.8	S.E., S.S.E., S.W., W., N., S.E.	14.6
...	...	Strong gale	30.078	30.041	76.4	65.0	S.E. to E.	14.6
29.94	29.89	Strong gale, with heavy squalls, thunder and lightning.	30.066	30.016	75.5	58.6	E.S.E.,S.E., S.S.W., var., S.	15.6
30.00	29.20	Strong gale, tremendous sea ...	30.066	30.016	75.5	58.6	E.S.E., S.E., S.S.W., var.	15.5
29.90	29.05	Tremendous high sea, strong squalls and rain.	30.017	30.016	75.4	59.2	S.E. to E.	10.7
30.15	29.70	High sea and heavy squalls ...	30.066	30.017	75.5	58.6	S.E. to E.b.S., var., S.S.E., Wly.	11.2
...	...	Frequent heavy squalls	30.066	30.039	75.5	58.6	S.E.b.E.,var.,S.S.E., Wly.	11.2
30.13	29.60	Terrific squalls and very heavy high sea.	30.227	30.083	76.3	56.8	E., S.E. to S. ...	21.1
...	...	Very heavy high sea, heavy squalls and rain.	30.227	30.139	76.3	56.8	E., S.E., S.... ...	21.1
29.87	29.85	Heavy gale, heavy sea	30.221	30.182	74.3	62.1	S., S.S.E., S.E. ...	19.3
...	...	Fierce squalls, high sea and rain.	30.249	30.174	75.0	62.0	S. to E.b.N. ...	18.2
30.32	29.50	Heavy squalls and rain	30.234	30.155	75.5	62.0	S.E., S.S.E., E.S.E.	23·8
29.94	...	Strong gale, heavy high sea ...	30.234	...	74.5	65.8	S.E. to E.S.E. ...	23.8
...	...	Hard Southerly gale with high sea.	30.206	30.134	74.0	64.1	S.S.E., S.E. ...	27.6

METEOROLOGICAL OBSERVATIONS.

TABLE

Showing approximately the Dates, Localities, &c., of

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Winds. Direction.	Max. Force.
July.							Beaufort
4—10	36 ° S.	...	28 ° E.	37 ° E.	Chittoor	N., N.W., W.	9
14	28 „	33 S.	58 „	62 „	Ares, Chittoor	N.W., W., S.W. ...	9
17—19	34 „	40 „	11 „	31 „	Lanarkshire, Mexico	S., S.E., & N., N.W., W., S.W., S.	9
20—21	18 „	...	48 „	...	Louis Alfred	.....	9
24—25	20 N.	21 N.	88 „	87 „	Jubeda	W., W.b.S.	9
25—26	35 S.	36 S.	50 „	54 „	Mexico	N.N.W., N.W.	9
26	12 „	...	79 „	...	Golden Fleece	S.E. to E....	9
26—31	32 „	37 „	24 „	45 „	London Hill, S.S. Tangier, &c.	N.W., W., W.S.W. ...	9
31	19 N.	...	67 „	...	S.S. Naderi	S.S.W., W.S.W.	9
August.							
1— 2	30 ° S.	31 ° S.	71 ° E.	74 ° E.	Mexico	N.N.E., W.N.W., W. ...	9
4— 6	39 „	...	15 „	23 „	Hartfield	N.W., W., S.W.	9
8— 9	12 „	13 „	56 „	55 „	Louis Alfred	S.E. to S.S.E.	9
9—10	12 „	16 „	83 „	...	Mexico	S.E., E.N.E., N.E. ...	9
14—17	11 „	13 „	50 „	56 „	S.S. Tangier, S.S. Akbar ...	S.S.E., S.E. to E. ...	9
19	6 N.	...	82 „	...	Mexico	W.S.W.	9
24—25	26 S.	36 „	116 „	118 „	Hawes Water, Annie Brown ...	W.N.W., S.W., S.S.W. ...	8
31	40 „	...	23 „	...	Auriga	N.W.b.N., N.W., N.W.b.W.	9
Sept.							
1— 4	40 ° S.	...	28 ° E.	35 ° E.	Auriga	S.W., S., S.E., E., N.E., W.b.S.	9
5— 9	29 „	38 ° S	91 „	119 „	Lavinia, Talavera &c.	N.W.b.W., W., S.W., S....	9
7—13	29 „	38 „	30 „	46 „	Umvoti, Auriga, &c.	S.b.E., E.S.E., N., N.W., S.W.	9
11—12	21 „	22 „	49 „	...	White Bait	N.E.	8
15	36 „	...	115 „	...	Lavinia	N.W.	9
21	23 „	...	49 „	...	White Bait	S.S.W., S.b.W., S.S.E. ...	9
22	4 N.	...	89 „	...	Mexico	S.b.W. W.S.W., S.W.b.W.	9

METEOROLOGICAL OBSERVATIONS.

LVIII.—(*Continued.*)

Hurricanes and Gales in the Indian Ocean in 1894.

Barometer.		Remarks.	Mauritius.					
			Barometer at sea-level.		Temperature.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. velocity per hour.
Inches.	Inches.				Deg.	Deg.		Miles.
...	...	Strong gale with heavy squalls and high sea.	30.216	30.041	76.4	64.0	S.E. to E.b.N. ...	24.4
...	...	.....	30.127	...	75.5	66.9	E.b.S., N.E, N.E. b.N.	14.7
30.60	29.70	Hard gale and terrible confused sea.	30.274	30.228	75.4	63.0	S.E. to E.	22.3
...	...	Strong gale with squalls ...	30.194	30.140	76.0	59.7	S.E. to E., S.S.E., W.S.W.	14.4
29.57	29.50	Strong gale with high sea ...	30.203	30.190	75.4	62.2	S.S.E. to E. ...	25.1
30.00	29.60	Hard gale, heavy squalls, tremendous sea.	30.203	30.143	75.4	66.4	E.S.E. to E. ...	25.1
30.05	...	Heavy squalls and rain.	30.143	...	74.4	66.4	E.b.N. to S.E.b.E....	21.9
30.50	29.35	Tremendous high sea and lightning.	30.147	30.103	76.4	61.1	S.E. to E.N.E. ...	21.9
30.14	...	Hard gale, severe squalls, high sea.	30.147	...	76.3	61.1	E.S.E., E.	13.8
29.95	29.80	Heavy gale and rain.	30.191	30.155	74.8	58.2	S.E.b.E., W.S.W. W., N.b.W., S.E.	22.9
29.60	29.40	Heavy squalls, rain, much vivid lightning.	30.186	30.150	75.6	65.8	E.S.E. to E.b.N. ...	19.2
30.12	...	Strong gale with high confused sea.	30.235	30.234	73.9	63.5	E.S.E., S.E. ...	24.6
29.90	29.73	Hard squalls, rain, high sea. ...	30.234	30.224	73.9	63.5	E.S.E., S.E. ...	21.4
29.94	29.54	Hard squalls and rain. ...	30.237	30.208	74.9	61.8	S.E., E.S.E., E., E. N.E.	24.4
29.60	...	Strong gale, with heavy high sea.	30.170	...	74.8	63.5	S. E. to E.b.N. ...	16.9
30.15	29.60	Gale, with terrific squalls and high confused sea.	30.135	30.109	75.8	67.1	S.E. to E.b.N. ...	21.7
29.90	...	Very confused sea.	30.204	...	75.4	65.4	S.E.b.E., E.S.E ...	23.3
30.55	30.02	Hard gale, very heavy squalls....	30.253	30.124	76.0	62.2	S.E.b.E., E., N.E. ...	25.3
29.88	29.66	Strong gale, with heavy sea. ...	30.225	30.163	77.0	61.4	S.E., S., E.S.E., E., W.S.W.	17.7
30.35	30.16	Hard gale, high cross sea. ...	30.225	30.091	77.3	61.5	E.S.E., var., N.E. ...	22.6
...	...	High sea and squalls.	30.189	30.125	77.3	63.1	E.b.S., E.N.E. ...	22.6
...	...	Strong squalls	30.176	...	76.2	64.4	E.S.E. to E. ...	19.7
...	...	Heavy gale, very high sea ...	30.130	...	78.6	63.6	E., E.N.E., N.E., S.W.	11.5
29.80	...	Hard gale, with high sea ...	30.141	...	77.9	64.0	S.E.b.E. to E.b.N....	16.8

METEOROLOGICAL OBSERVATIONS.

TABLE

Showing approximately the Dates, Localities, &c., of

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Winds. Direction.	Max. Force.
October.							Beaufort
7—11	19 ° S.	15 ° S.	83 ° E.	79 ° E.	Mexico	S.E.b.S., S. E., S.E.b.E. ...	9
10—11	35 „	42 „	8 „	23 „	S.S. Clan Mac Nab, Mangie...	E., N.W.	9
23	36 „	...	120 „	...	Hannah Nicholson ...	W.S.W.	9
31	41 „	...	5 „	...	Estrella	N., N.W.	8
Nov.							
1	42 ° S.	...	9 ° E.	...	Estrella	W.S.W., N.W.... ...	8
1	44 „	...	29 „	...	Lodestar	W.S.W.	9
5— 9	43 „	42 S.	44 „	62 E.	Do.	N. to W., W.S.W. ...	9
11	40 „	...	46 „	...	Estrella	N.N.E.	9
16	35 „	...	120 „	...	S.S. Tangier	?	9
16—17	40 „	41 „	86 „	93 „	Lodestar	N.W.	8
Dec.							
1— 5	36 S.	40 S.	27 E.	45 E.	Greyhound, British Army ...	N., N.W., W.	9
8— 9	5 N.	7 N.	94 „	92 „	Leander	W., S.W., S.E.... ...	10
8	18 S.	...	55 „	...	S.S. Soudan	E., N.E., N., N.W., W.N.W.	?
10—11	28 „	36 S.	58 „	...	Louise, British Army ...	S.b.W., S., S.E., E. ...	8
13	40 „	...	16 „	...	Champion	W.N.W.	9
18	16 „	17 „	57 „	59 „	At St. Brandon	S. to S.W.	8
24	43 „	...	59 „	...	Champion	E.b.N. to N.E.b.E. ...	9

METEOROLOGICAL OBSERVATIONS.

LVIII.—(*Continued.*)

Hurricanes and Gales in the Indian Ocean in 1894.

Barometer.		Remarks.	Mauritius.					
			Barometer at sea-level.		Temperature.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. velocity per hour.
Inches.	Inches.		Inches.	Inches.	Deg.	Deg.		Miles.
29.90	29.80	Hard squalls, very heavy high sea.	30.140	30.103	79.7	65.0	E.S.E., E., E.N.E. ...	17.2
29.90	29.40	Very heavy head sea ...	30.130	30.103	79.7	65.3	E.S.E. to E.N.E. ...	17.2
...	...	Very hard squalls with rain ...	30.039	...	82.0	62.2	S.E.b.E.,var.,E.N.E.	15.0
29.70	...	High cross sea	30.137	...	78.6	67.6	S.E. to E. ...	15.0
29.70	...	High sea and heavy squalls ...	30.145	...	78.0	64.0	S.E. to E. ...	13.4
29.60	...	Hard gale, violent squalls, high sea.	30.145	...	78.0	64.0	S.E. to E. ...	13.4
30.30	29.56	Hard squalls	30.160	30.073	83.9	67.1	Var., E.b.N. to S.E. and S.W.	19.3
29.80	...	Strong gale, with rain and lightning.	30.190	...	82.2	69.0	S.E.b.E. to E. ...	22.5
30.12	...	Strong gale	30.149	...	82.2	70.9	E., E.b.N. ...	21.2
29.95	29.82	Steady gale	30.149	30.149	82.2	70.2	E.b.N. to East ...	21.2
29.43	29.30	Strong squalls and rain ...	29.983	29.858	83.9	72.4	N.E.b.N., N., N.N.W., W.N.W., W., Nly., E., N.	16.5
...	...	Blowing with terrific force, high sea.	29.827	29.815	82.3	73.0	E., N.E.b.N., N., N.N.W.	26.9
29.88	29.72	Gros mauvais temps, grosse mer, grains violents.	29.815	...	80.3	73.0	E., N.E., N.E.b.N.	26.9
30.04	29.53	Violent squalls, high sea ...	29.906	29.897	82.0	69.3	N.W., W., W.S.W., S., N. Wly.	16.6
29.76	29.71	Very high sea. Using oil bags ...	29.896	...	82.4	72.2	E.S.E. to E.b.N.	13.3
...	29.53	Fresh gale	29.867	29.774	81.4	74.8	E.b.S. to S.S.E.	25.0
29.94	29.74	Strong gale, with squalls and rain.	29.984	...	84.4	72.4	E.b.S. to E.N.E.	15.3

METEOROLOGICAL OBSERVATIONS.

CYCLONES AND STORM WARNINGS.

So far as is known, there were nine Cyclones in the South Indian Ocean in 1894, and their tracks have been determined as nearly as possible.

(1) From the 8th. to the 16th. of January, a Cyclone travelled at first from about 9° S. and 60° E. on a S. Wly. course, and then curved to South and S. E., its centre passing North, N. E., East, and S. E. of Mauritius, between the 12th. and 16th. At the Observatory, the lowest reading of the Barometer (reduced to sea-level) was 29.412 inches on the 14th., and the greatest velocity of the wind for one hour was 41 miles from S. b. E. on the 13th. From 3 p.m. on the 9th. to 9.30 a.m. on the 14th. twenty-five Weather Telegrams were sent out.

(2) Between the 3rd. and 5th. of February, another Cyclone travelled from about 9° 20' S. and 58° 24' E. to Diego Suarez and Nossi Bey. On the 5th., the S. S. *Amazone*, at Diego Suarez, encountered a hurricane and her barometer fell to 28.78 inches. The S. S. *Wardha* on the 3rd. and 4th., in 15° S. and 57° to 54° E., experienced a part of this Cyclone, the wind veering from S.S.E. to N.E.b. N., and the barometer falling from 29.93 to 29.64. At Mauritius the wind was moderate from S.E.b.E. to E.N.E., and the barometer high.

(3) From the 18th. to the 26th. of February several small Cyclones took place. One travelled from about 16° 10' S. and 62° 12' E. on the 19th. to 20° S. and 59° E. on the 22nd ; another was encountered on the 23rd. in about 18° S. and 57° E.; and a third travelled from 16° 20' S. and 63° 30' E. on the 24th. to. 23° 56' S. and 60° 54' E. on the 26th. One or other of these Cyclones was experienced by the *Paula, Warora, Leander, Primrose, &c.*

At Mauritius the wind, from the 19th. to the 23rd. oscillated between E. b. S. and W.S.W., through South, while away to the Northward the N.W. monsoon prevailed.

The barometer at the Observatory fell from 29.960 at 9 a.m. on the 16th. to 29.276 at 0.33 p.m. on the 22nd ; and the greatest velocity of the wind for one hour was 62 miles on the 22nd.

From 2 p.m. on the 21st. to 5 p.m. on the 23rd., twenty-five Weather Telegrams were despatched.

As the wind at the Observatory increased considerably between 10 a.m. and noon on the 22nd, no passenger trains were despatched from Port Louis after 1.30 p.m. on that day. But, the wind having abated for a time, a train composed of empty double story carriages, which left at 4.10 p.m., was upset at Pailles Bridge (in a ravine), and five persons were killed.

(4) Between the 10th and 14th of March, there were indications of a Cyclone passing Nrd. and N.Wrd. of Mauritius. The wind veered from S.E. to N.E., and its greatest velocity for one hour was 27.3 miles on the 12th. The barometer fell from 29.955 at midnight on the 10th. to 29.741 at 4 a.m. on the 13th. On the 12th. and 13th. nine Weather Telegrams were issued. The *Sir Lancelot*, in 16° 27' S. and 65° 14' E., at noon on the 11th., experienced on that day fresh gales from N. Wrd., with strong squalls and a high sea.

(5) From the 16th. to the 19th of March a Cyclone travelled from about 16° 20' S. and 70° E. to 22° 45' S. and 62° 20' E. At Mauritius the wind backed from E. S. E. to South and W. S. W., and attained a maximum velocity of 18 miles an hour on the 19th. The barometer fell from 29.955 at 10 p.m. on the 16th. to 29.756 at 4 p.m. on the 19th.—Notices of this disturbance were sent to the newspapers.

(6) A small Cyclone travelled from about 10° 22' S. and 60° E., on the 27th., to 15° S. and 45° E. on the 29th. of April. It was experienced by the *Earnest*, the *Gabrielle* at Antanambé, and the *Mpanjaka* at Nossi Bey, where the barometer fell from 30.001 at 8 a.m. on the 28th. to 29.449 at 9.45 p.m. on the 29th., the wind backing from S.E. to South and S.W. and increasing to a strong gale. At Mauritius, the wind veered from S. E. on the 27th. to N. E. on the 29th, and its greatest velocity was 30 miles an hour on the 27th. The barometer fell from 30.122 on the 26th. to 29.985 on the 28th.—Notices of this Cyclone were sent to the newspapers on the 27th. and 28th.

(7) Another Cyclone passed Nrd., N.Wrd. and Wrd. of Mauritius between the 6th. and 9th. of December. At the Observatory the wind veered from East to North and N. W., its velocity increasing to 27 miles an hour on the 8th. The barometer fell from 30.005 at 9 a.m. on the 6th. to 29.768 at 4 p.m. on the 8th. It was announced by telegrams that there was no danger.

(8) From 3 p.m. on the 18th. to 3 p.m. on the 19th. of December, the wind at the Observatory backed from S.E.b.S. to South and S.W. and its greatest velocity for one hour was 26.3 miles on the 19th. The Barometer fell from 29.874 at 8 a.m. on the 18th. to 29.720 at 4.40 a.m. on the 19th. On the 18th. it was telegraphed that there was no danger for Mauritius.—At St. Brandon a Cyclone was experienced on that day, and the "Touareg" was lost at Rodrigues.

C. MELDRUM,
Director.

METEOROLOGICAL OBSERVATIONS

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