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RESULTS

OF

METEOROLOGICAL OBSERVATIONS

TAKEN DURING THE YEAR

1895,

AT THE

ROYAL ALFRED OBSERVATORY,

MAURITIUS.

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METEOROLOGICAL OBSERVATIONS.

Results of Meteorological Observations taken during the year 1895, 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 a Mason's Hygrometer by Casella, exposed in a Stevenson screen on the lawn, the thermometers being 4 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 XIV have been derived from hourly values of the ordinates of the thermograms.

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

The results given in tables XXI to XXV 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 1895.

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	29.704	29.756	29.778	29.800	29.927	29.973	30.016	29.994	30.015	29.934	29.915	29.811	29.885	+ .017
1	29.689	29.745	29.766	29.791	29.918	29.969	30.010	29.986	30.006	29.922	29.902	29.797	29.875	+ .007
2	29.674	29.732	29.752	29.774	29.905	29.956	29.997	29.973	29.994	29.905	29.887	29.785	29.861	— .007
3	29.666	29.724	29.739	29.766	29.896	29.949	29.992	29.963	29.985	29.899	29.880	29.780	29.853	— .015
4	29.666	29.719	29.733	29.760	29.891	29.943	29.986	29.954	29.981	29.897	29.879	29.779	29.849	— .019
5	29.674	29.725	29.741	29.764	29.893	29.945	29.988	29.958	29.987	29.905	29.885	29.790	29.855	— .013
6	29.691	29.734	29.749	29.774	29.902	29.952	29.995	29.968	29.997	29.915	29.897	29.805	29.865	— .003
7	29.702	29.750	29.765	29.790	29.919	29.968	30.007	29.983	30.014	29.928	29.906	29.816	29.879	+ .011
8	29.706	29.758	29.783	29.804	29.933	29.983	30.019	29.997	30.025	29.940	29.913	29.820	29.890	+ .022
9	29.707	29.761	29.791	29.815	29.944	29.996	30.037	30.009	30.032	29.944	29.917	29.822	29.898	+ .030
10	29.702	29.758	29.790	29.814	29.943	29.994	30.034	30.007	30.027	29.937	29.911	29.817	29.894	+ .026
11	29.695	29.752	29.785	29.804	29.932	29.983	30.022	29.995	30.016	29.926	29.904	29.811	29.885	+ .017
12	29.683	29.735	29.767	29.780	29.911	29.964	29.998	29.973	29.994	29.907	29.888	29.798	29.866	— .002
13	29.672	29.722	29.750	29.763	29.892	29.944	29.978	29.953	29.977	29.890	29.875	29.787	29.850	— .018
14	29.656	29.708	29.734	29.751	29.875	29.929	29.964	29.935	29.960	29.874	29.861	29.772	29.835	— .033
15	29.647	29.702	29.727	29.748	29.874	29.928	29.962	29.931	29.953	29.868	29.854	29.763	29.830	— .038
16	29.643	29.700	29.726	29.752	29.878	29.931	29.967	29.934	29.955	29.869	29.850	29.760	29.830	— .038
17	29.654	29.707	29.732	29.762	29.886	29.942	29.979	29.946	29.965	29.880	29.862	29.771	29.840	— .028
18	29.669	29.719	29.745	29.773	29.896	29.953	29.986	29.958	29.979	29.898	29.875	29.785	29.853	— .015
19	29.691	29.738	29.765	29.788	29.912	29.967	29.999	29.975	29.997	29.917	29.897	29.804	29.871	+ .003
20	29.704	29.752	29.779	29.807	29.927	29.979	30.011	29.989	30.014	29.931	29.910	29.814	29.885	+ .017
21	29.715	29.767	29.795	29.817	29.937	29.986	30.019	30.000	30.027	29.945	29.922	29.823	29.896	+ .028
22	29.721	29.771	29.797	29.816	29.937	29.987	30.021	30.000	30.026	29.945	29.930	29.829	29.898	+ .030
23	29.719	29.768	29.790	29.812	29.936	29.985	30.021	30.000	30.023	29.942	29.925	29.826	29.896	+ .028
Monthly Means ...	29.685	29.738	29.762	29.784	29.911	29.963	30.000	29.974	29.998	29.913	29.894	29.799	29.868	
Monthly Means reduced to sea-level...	29.872	29.926	29.951	29.974	30.101	30.155	30.192	30.166	30.190	30.104	30.084	29.988	30.059	

TABLE II.

Daily and Monthly Means of the Atmospheric Pressure during the year 1895.

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	29.753	29.771	29.856	29.789	29.874	29.948	29.948	29.975	30.006	30.055	29.955	29.847
2	29.734	29.750	29.855	29.766	29.811	29.954	29.961	29.931	29.997	30.041	29.940	29.857
3	29.738	29.744	29.804	29.760	29.800	29.932	29.991	29.919	29.988	29.992	29.896	29.853
4	29.758	29.754	29.754	29.728	29.841	29.957	29.980	29.918	30.022	29.970	29.859	29.829
5	29.734	29.775	29.797	29.696	29.892	29.990	29.964	29.919	30.039	29.927	29.879	29.833
6	29.656	29.796	29.826	29.698	29.928	29.959	29.965	29.939	30.018	29.879	29.926	29.858
7	29.679	29.759	29.815	29.713	29.928	29.911	29.983	29.945	29.974	29.873	29.979	29.851
8	29.698	29.733	29.790	29.729	29.910	29.910	29.998	29.940	29.973	29.882	29.967	29.814
9	29.674	29.756	29.755	29.616	29.859	29.912	29.990	29.874	29.973	29.888	29.952	29.764
10	29.658	29.781	29.714	29.587	29.833	29.921	29.980	29.878	29.972	29.897	29.931	29.779
11	29.646	29.769	29.686	29.652	29.870	29.906	29.958	29.928	29.953	29.875	29.944	29.735
12	29.573	29.714	29.708	29.712	29.899	29.888	29.961	29.930	29.946	29.850	29.975	29.721
13	29.496	29.692	29.738	29.814	29.874	29.898	29.973	29.945	29.984	29.870	29.949	29.735
14	29.539	29.735	29.748	29.886	29.855	29.952	29.967	29.989	30.022	29.885	29.881	29.724
15	29.510	29.750	29.748	29.879	29.863	29.975	29.967	29.992	30.002	29.880	29.901	29.721
16	29.398	29.720	29.762	29.810	29.883	29.955	30.005	29.984	29.997	29.885	29.944	29.749
17	29.462	29.679	29.815	29.787	29.930	29.934	30.027	29.999	30.010	29.864	29.935	29.775
18	29.502	29.702	29.868	29.812	29.911	29.948	30.006	30.020	30.035	29.863	29.931	29.811
19	29.586	29.725	29.835	29.807	29.912	29.988	29.972	30.009	30.026	29.868	29.887	29.848
20	29.679	29.674	29.793	29.803	29.921	30.006	29.945	29.986	30.007	29.859	29.854	29.883
21	29.693	29.653	29.771	29.810	29.967	29.977	29.995	29.972	29.990	29.903	29.808	29.867
22	29.724	29.740	29.806	29.841	30.021	29.984	30.055	29.954	30.010	29.965	29.782	29.828
23	29.842	29.800	29.758	29.868	30.024	30.007	30.082	29.950	30.023	29.960	29.771	29.812
24	29.859	29.806	29.693	29.891	30.001	29.992	30.048	30.009	30.019	29.935	29.798	29.798
25	29.808	29.760	29.681	29.850	29.987	29.964	30.023	30.029	30.004	29.945	29.844	29.826
26	29.768	29.651	29.635	29.799	29.983	29.989	30.040	30.017	30.008	29.954	29.793	29.860
27	29.801	29.683	29.616	29.808	29.979	30.039	30.045	30.034	30.004	29.936	29.832	29.844
28	29.826	29.780	29.678	29.871	29.956	30.042	30.049	30.047	29.967	29.903	29.911	29.772
29	29.831		29.741	29.882	29.894	30.037	30.041	30.081	29.961	29.885	29.908	29.714
30	29.831		29.777	29.865	29.911	30.006	30.059	30.056	30.005	29.899	29.874	29.711
31	29.794		29.784		29.922		30.029	30.029		29.923		29.736
Means ...	29.685	29.738	29.762	29.784	29.911	29.963	30.000	29.974	29.998	29.913	29.894	29.799

METEOROLOGICAL OBSERVATIONS.

TABLE III.

Monthly and Daily Range of the Atmospheric Pressure during the year 1895.

	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) ...	30.082	30.033	30.104	30.128	30.262	30.269	30.317	30.319	30.277	30.288	30.209	30.101	30.199
Lowest " " ...	29.514	29.766	29.763	29.697	29.938	30.046	30.086	30.016	30.088	29.984	29.917	29.849	29.889
Range in Month	0.568	0.267	0.341	0.431	0.324	0.223	0.231	0.303	0.189	0.304	0.292	0.252	0.310
Mean Range from 4 to 9 hours ...	0.041	0.042	0.058	0.055	0.053	0.053	0.051	0.055	0.051	0.047	0.038	0.043	0.049
" 9 to 15 " ...	0.060	0.059	0.064	0.067	0.070	0.068	0.075	0.078	0.079	0.076	0.063	0.059	0.068
" 15 to 22 " ...	0.074	0.069	0.070	0.068	0.063	0.059	0.059	0.069	0.073	0.077	0.076	0.066	0.069
" 22 to 4 " ...	0.055	0.052	0.064	0.056	0.046	0.044	0.035	0.046	0.045	0.048	0.051	0.050	0.049
Mean Diurnal Range	0.057	0.055	0.064	0.061	0.058	0.056	0.055	0.062	0.062	0.062	0.057	0.054	0.059

TABLE IV.

Comparison of the Means of the Standard Barometer Readings with the Means of the Barograph Readings for 9 and 15 hours during 1895.

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	29.647	29.677	29.707	29.647	29.677
February	.760	.703	.731	.761	.702	.731
March	.791	.727	.759	.791	.727	.759
April	.816	.748	.782	.815	.748	.781
May	.944	.874	.909	.944	.874	.909
June	.997	.927	.962	.996	.928	.962
July	30.037	.962	.999	30.037	.962	.999
August...	.009	.931	.970	.009	.931	.970
September	.032	.952	.992	.032	.953	.992
October	29.944	.867	.905	29.944	.868	.906
November	.916	.854	.885	.917	.854	.885
December	.821	.763	.792	.822	.763	.792
Means	29.898	29.830	29.864	29.898	29.830	29.864

TABLE V.

Monthly and Annual Mean Diurnal Variations of the Atmospheric Pressure, deduced from twenty one years' observations made in 1875—1895.

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	+ .017	+ .015	+ .017
1	+ .003	+ .005	+ .005	+ .006	+ .006	+ .008	+ .011	+ .010	+ .010	+ .007	+ .005	+ .001	+ .006
2	− .011	− .009	− .009	− .007	− .005	− .004	− .002	− .002	− .002	− .007	− .009	− .012	− .007
3	− .018	− .017	− .019	− .016	− .014	− .012	− .009	− .010	− .011	− .014	− .014	− .017	− .014
4	− .020	− .019	− .024	− .021	− .019	− .017	− .015	− .016	− .015	− .015	− .013	− .018	− .018
5	− .011	− .015	− .018	− .017	− .017	− .017	− .014	− .014	− .009	− .007	− .007	− .010	− .013
6	+ .004	− .005	− .008	− .007	− .006	− .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	+ .021	+ .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	+ .021	+ .027	+ .030	+ .032	+ .030	+ .033	+ .033	+ .028	+ .023	+ .018	+ .019	+ .026
11	+ .012	+ .015	+ .020	+ .019	+ .018	+ .019	+ .021	+ .021	+ .016	+ .011	+ .009	+ .012	+ .016
12	.000	+ .002	+ .002	− .003	− .003	− .001	.000	− .001	− .007	− .007	− .006	− .001	− .002
13	− .010	− .012	− .014	− .020	− .023	− .022	− .020	− .019	− .024	− .024	− .021	− .013	− .018
14	− .024	− .026	− .029	− .033	− .036	− .034	− .034	− .036	− .040	− .039	− .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	− .025	− .029	− .034	− .033	− .033	− .030	− .029
18	− .017	− .017	− .015	− .012	− .013	− .012	− .016	− .018	− .019	− .016	− .016	− .015	− .015
19	+ .002	.000	+ .001	+ .002	+ .002	+ .002	− .002	− .003	− .001	+ .003	+ .003	+ .003	+ .001
20	+ .015	+ .016	+ .017	+ .019	+ .017	+ .015	+ .012	+ .013	+ .016	+ .019	+ .019	+ .016	+ .016
21	+ .026	+ .028	+ .031	+ .029	+ .025	+ .022	+ .020	+ .023	+ .029	+ .030	+ .029	+ .026	+ .026
22	+ .033	+ .034	+ .033	+ .029	+ .025	+ .025	+ .022	+ .024	+ .030	+ .032	+ .035	+ .032	+ .029
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 1895.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean for the year.	Variation + above − below mean.	Hours.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
0 ...	75.5	74.1	75 0	72.1	70.8	66.1	64.7	65.6	65.3	68.4	70.3	72.7	70.0	− 3.8	0
1 ...	74.9	73.6	74.7	71.8	70.5	66.1	64.3	65.3	65.0	67.8	70.1	72.2	69.7	− 4.1	1
2 ...	74.6	72.8	74.7	71.5	70.2	65.8	63.9	65.0	64.9	67.5	69.6	71.8	69.4	− 4.4	2
3 ...	74.3	72.6	74.5	71.2	70.3	65.8	63.3	64.6	64.7	67.0	69.2	71.7	69.1	− 4.7	3
4 ...	74.1	72.4	74.3	70.9	70.2	65.7	63.2	64.4	64.5	67.0	68.8	71.2	68.9	− 4.9	4
5 ...	74.0	72.2	74.2	71.0	70.1	65.5	63.2	64.1	64.2	66.8	68.7	71.2	68.8	− 5.0	5
6 ...	74.5	71.8	74.6	70.7	70.2	65.4	63.3	64.2	64.3	67.4	70.3	72.6	69.1	− 4.7	6
7 ...	78.0	75.5	75.5	72.2	70.7	65.5	63.8	65.0	67.4	72.7	75.2	76.3	71.5	− 2.3	7
8 ...	80.6	80.3	77.7	76.5	73.6	68.9	68.5	68.9	72.0	76.1	78.2	78.7	75.0	+ 1.2	8
9 ...	82.3	82.3	78.9	78.6	75.5	71.5	71.7	71.1	73.8	78.2	80.2	80.4	77.0	+ 3.2	9
10 ...	84.1	83.6	80.0	79.7	77.0	73.0	73.5	72.8	75.6	79.9	81.3	81.5	78.5	+ 4.7	10
11 ...	85.2	84.4	80.2	80.4	77.2	73.9	74.6	73.7	76.1	80.6	82.5	81.8	79.2	+ 5.4	11
12 ...	85.5	85.5	80.8	81.1	77.9	74.4	75.3	73.9	76.7	81.1	82.9	82.1	79.8	+ 6.0	12
13 ...	85.3	85.3	80.9	81.1	77·8	74.3	75.4	73.9	76.4	81.3	83.2	82.5	79.8	+ 6.0	13
14 ...	85.8	85.3	81.1	80.6	77.5	74.6	75.0	74.1	76.6	80.5	82.6	82.4	79.7	+ 5.9	14
15 ...	85.1	84.3	80.9	79.9	77.0	73.7	74.3	73.2	75.8	79.6	81.4	81.5	78.9	+ 5.1	15
16 ...	83.8	83.6	79.9	79.0	76.2	72.7	73.1	72.3	74.7	78.2	80.5	80.1	77.8	+ 4.0	16
17 ...	82.7	82.2	79.2	77.8	74.5	70.9	71.2	70.9	72.8	76.4	78.6	78.9	76.3	+ 2.5	17
18 ...	80.7	80.5	77.8	75.8	72.9	68.9	68.8	68.9	70.4	74.2	76.6	77.5	74.4	+ 0.6	18
19 ...	78.8	78.3	76.5	74.5	72.1	67.9	67.3	67.7	68.4	72.5	74.7	76.0	72.9	− 0.9	19
20 ...	77.6	77.0	76.0	73.9	72.0	67.4	66.6	67.0	67.3	71.3	73.3	74.9	72.0	− 1.8	20
21 ...	76.9	76.0	75.6	73.4	71.3	66.6	65.9	66.6	66.3	70.3	72.2	74.3	71.3	− 2.5	21
22 ...	76.4	75.2	75.3	72.9	71.1	66.4	65.6	66.1	66.0	69.4	71.5	74.0	70.8	− 3.0	22
23 ...	76.0	74.6	75.1	72.5	70.9	66.0	65.3	65.8	65.5	69.0	71.0	73.3	70.4	− 3.4	23
Monthly means.	79.4	78.5	77.2	75.4	73.2	69.0	68.4	68.5	69.8	73.5	75.5	76.6	73.8		Monthly means.

TABLE VII.

Daily and Monthly Means of the Temperature of the Air in Shade during the year 1895.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	77.5	78.1	79.9	77.9	72.9	69.1	68.6	69.5	71.3	71.0	74.8	75.1	 1
2	78.3	79.3	79.8	77.7	74.8	71.0	68.5	70.3	69.6	71.3	73.8	75.9	 2
3	79.0	79.2	78.7	77.3	76.9	72.2	69.7	69.2	67.4	70.3	71.5	75.9	 3
4	78.7	79.4	78.7	77.5	75.1	72.2	68.2	68.7	68.8	72.6	73.1	76.0	 4
5	77.8	78.1	77.0	76.4	75.2	70.7	68.7	68.5	68.7	74.9	74.2	76.5	 5
6	77.7	79.2	78.7	76.7	74.3	69.8	68.9	66.8	69.7	73.5	73.2	77.8	 6
7	79.7	79.1	79.0	77.3	73.5	69.6	65.9	67.8	70.8	71.2	74.4	77.9	 7
8	81.2	79.0	77.5	75.9	72.5	68.8	68.5	67.2	70.9	72.0	75.2	78.2	 8
9	81.9	79.3	78.0	75.1	72.6	66.4	69.4	67.6	71.4	73.1	75.9	79.2	 9
10	80.9	80.0	78.6	78.1	74.5	69.7	70.1	66.9	71.6	73.1	75.8	75.8	 10
11	80.7	77.8	79.4	75.1	75.0	68.5	68.8	66.1	70.8	73.4	76.6	79.9	 11
12	81.3	78.6	76.8	73.6	73.5	70.5	69.7	69.2	70.8	73.1	76.7	77.5	 12
13	80.2	78.7	75.8	73.2	73.4	71.7	69.5	71.3	67.5	73.2	76.7	77.1	 13
14	79.4	77.6	76.7	73.9	74.3	71.4	68.5	70.2	69.2	74.2	77.1	77.3	 14
15	79.0	77.6	77.6	75.6	73.7	69.8	68.3	69.5	69.3	74.4	73.2	74.3	 15
16	79.9	79.4	78.0	76.7	74.6	69.8	67.6	68.6	69.9	74.2	73.5	74.4	 16
17	79.7	80.7	76.8	77.6	74.6	70.1	66.3	69.1	69.6	74.0	71.8	77.4	 17
18	78.9	80.6	76.3	77.2	73.3	69.1	68.2	69.8	67.9	72.8	74.5	74.3	 18
19	80.6	80.0	73.5	76.1	73.7	67.9	67.4	69.7	69.3	73.8	75.5	77.1	 19
20	76.3	76.9	75.9	76.3	74.6	66.6	66.5	69.2	70.2	71.8	75.2	77.8	 20
21	78.6	76.0	77.0	75.1	72.8	64.4	67.1	69.1	71.6	74.2	75.5	77.5	 21
22	80.6	75.5	74.7	74.1	72.6	62.2	67.8	70.2	68.9	74.5	76.8	77.0	 22
23	81.2	76.9	77.5	72.8	72.3	63.8	69.6	69.9	70.3	74.5	77.3	75.8	 23
24	80.4	78.1	74.3	73.1	71.6	69.4	68.5	67.0	69.1	75.6	77.2	76.8	 24
25	79.1	78.8	73.4	72.5	71.9	72.6	68.3	66.3	70.6	75.0	77.5	76.3	 25
26	78.9	76.8	75.8	75.1	70.9	70.3	69.7	64.9	69.4	75.2	77.9	76.1	 26
27	79.3	78.7	77.4	71.8	71.4	70.3	68.5	66.5	71.0	74.7	78.4	75.9	 27
28	78.3	77.9	78.5	73.1	71.3	68.6	68.5	68.0	70.3	73.3	78.4	77.1	 28
29	79.2		78.1	74.4	71.0	67.5	68.9	67.4	69.1	73.0	77.7	76.9	 29
30	79.4		77.4	74.0	70.3	67.7	67.9	69.6	68.2	73.9	76.7	76.3	 30
31	79.2		77.3		70.5		68.4	70.8		75.7		75.6	 31
Means	79.4	78.5	77.2	75.4	73.2	69.1	68.4	68.5	69.8	73.5	75.5	76.7	... ... Means.

TABLE VIII.

Daily Maximum Temperature in Thermograph Screen during the year 1895.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	86.0	88.4	86.6	82.5	78.1	75.0	76.3	77.1	77.0	79.0	84.4	84.6	 1
2	86.3	88.8	85.6	82.9	80.1	75.8	75.7	78.6	78.1	79.8	82.7	86.0	 2
3	87.4	87.9	85.9	84.0	82.5	78.5	78.0	78.9	78.7	76.8	78.8	85.3	 3
4	86.9	88.5	85.0	84.3	77.8	78.4	76.9	78.3	75.0	80.6	85.3	85.0	 4
5	86.8	84.8	83.5	82.0	79.0	76.7	78.1	79.0	75.4	83·2	84.2	83.2	 5
6	86.6	87.5	84.5	83.0	78.4	76.8	76.9	77.2	76.6	83.5	83.6	85.3	 6
7	88.3	88.4	86.0	83.3	79.0	77.0	75.5	76.3	77.5	77.9	81.5	86.7	 7
8	90.0	88.4	84.0	79.1	78.4	77.6	75.1	76.5	79.0	79.0	82.0	87.7	 8
9	89.9	88.0	83.8	78.6	78.0	75.4	76.2	74.7	78.1	79.9	86.2	90.5	 9
10	90.4	88.4	84.4	84.1	81.0	75.9	76.7	74.1	78.6	83.9	87.0	82.4	 10
11	89.2	87.9	86.1	82.0	81.1	74.5	77.6	71.5	77.2	83.8	87.7	89.5	 11
12	89.0	90.0	79.2	82.0	81.4	75.3	78.4	73.3	78.6	82.7	86.6	84.5	 12
13	85.4	89.4	82.2	82.3	80.9	76.6	77.9	77.3	78.2	84.7	84.6	86.2	 13
14	86.4	90.0	82.3	81.9	80.6	76.6	77.0	76.4	77.9	82.6	88.6	84.5	 14
15	85.0	88.0	83.7	83.1	80.1	76.2	77.9	75.5	77.1	83.7	84.0	82.6	 15
16	86.3	90.0	84.8	82.6	80.5	76.3	77.4	75.6	78.9	82.7	79.2	85.4	 16
17	86.9	90.0	83.6	83.5	80.2	76.7	76.6	77.0	78.1	83.8	77.2	85.5	 17
18	85.4	90.5	81.9	81.1	78.0	76.4	77.9	76.9	79.3	83.1	81.5	77.4	 18
19	87.2	89.6	77.7	81.2	78.8	73.8	76.7	76.6	78.1	84.7	83.1	83.8	 19
20	85.8	86.5	77.7	83.7	80.0	72.5	74.6	76.1	78.8	84.4	84.3	84.6	 20
21	87.0	82.3	80.3	81.6	76.7	73.1	74.7	77.8	79.9	84.5	83.6	84.2	 21
22	86.2	84.0	79.0	80.5	77.7	72.7	76.2	78.2	77.9	83.6	87.0	84.5	 22
23	87.0	85.0	83.0	79.9	77.5	74.7	75.2	78.7	78.9	84.6	87.2	83.2	 23
24	88.5	85.5	78.3	80.7	78.1	77.4	76.1	71.0	79.0	84.1	86.3	83.0	 24
25	86.5	85.0	75.5	80.3	78.3	78.5	77.0	73.0	80.4	83.0	86.6	82.0	 25
26	87.6	81.7	79.8	81.1	78.0	75.0	76.0	72.5	79.7	83.4	87.0	80.6	 26
27	87.3	85.6	82.4	80.5	79.6	76.9	75.6	73.7	79.8	83.6	88.2	81.8	 27
28	86.1	85.0	83.3	80.5	76.6	77.0	75.6	74.1	78.5	83.8	87.6	82.8	 28
29	87.7		82.4	81.5	79.1	71.2	76.3	73.6	76.5	83.5	86.0	82.7	 29
30	88.4		82.5	83.0	75.5	73.1	76.1	77.0	77.5	84.1	84.0	81.7	 30
31	88.3		83.2		76.4		75.7	76.7		84.6		80.7	 31
Means	87.3	87.3	82.5	81.9	78.9	75.7	76.5	75.9	78.1	82.7	84.5	84.1	... ... Means.

TABLE IX.

Daily Minimum Temperature in Thermograph Screen during the year 1895.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	68.0	67.5	74.5	74.9	69.2	63.0	62.5	62.8	65.1	66.0	67.2	65.0	 1
2	71.9	70.5	76.0	73.8	70.0	68.4	61.2	64.7	62.1	65.9	67.0	65.4	 2
3	71.5	72.4	72.2	71.8	73.3	65.4	64.0	60.7	58.4	65.9	65.5	67.5	 3
4	72.2	72.4	72.9	71.5	72·3	68.0	61.4	60.5	63.0	63.7	65.5	66.3	 4
5	68.7	73.9	73.4	72.4	71.7	66.4	61.0	57.9	65.0	69.1	63.5	71.2	 5
6	69.3	73.1	73.4	71.4	71.1	63.7	63.3	59.3	66.2	66.8	65.0	71.2	 6
7	72.3	72.3	73.4	72.2	69.9	62.1	57.0	59.8	66.6	67.5	70.0	70.0	 7
8	72.4	68.8	73.0	72.0	69.2	60.3	63.3	56.3	64.4	67.2	70.1	69.9	 8
9	75.5	72.8	73.7	71.4	68.4	59.0	65.0	62.1	66.1	66.7	67.0	69.0	 9
10	73.2	73.2	72.6	71.1	68.3	66.1	64.3	63.5	66.2	66.1	64.8	71.2	 10
11	73.9	71.3	74.2	67.7	70.2	64.6	60.0	64.1	64.5	64.5	66.2	70.2	 11
12	75.9	67.9	71.1	66.4	66.1	66.0	63.2	65.9	59.6	65.0	66.6	72.6	 12
13	76.5	65.8	70.6	64.1	66.4	69.3	63.2	69.1	58.4	63.5	68.9	71.0	 13
14	74.7	66.4	71.8	66.9	68.0	67.0	61.4	67.2	60.6	67.0	66.8	68.0	 14
15	76.1	66.9	72.6	69.0	67.9	65.4	61.0	66.3	64.9	67.6	67.5	65.8	 15
16	74.9	69.4	73.9	73.4	70.5	63.0	58.4	63.5	60.0	67.2	70.5	62.7	 16
17	73.8	74.4	72.3	71.9	70.4	64.9	55.9	64.2	61.0	65.6	69.8	68.6	 17
18	71.2	70.4	72.9	74.4	71.1	63.4	59.5	65.4	57.7	63.3	69.0	72.8	 18
19	75.3	72.7	70.4	73.0	69.7	62.7	57.5	65.4	63.0	64.6	68.8	72.0	 19
20	71.1	71.2	73.5	72.3	70.3	55.4	59.5	65.2	61.8	63.1	67.8	73·1	 20
21	70.6	69.6	74.0	71.1	71.5	55.8	61.2	60.2	64.2	63.6	66.6	69.2	 21
22	77.1	70.2	71.3	67.5	69.2	53.2	61.2	63.2	60.5	68.1	69.0	68.7	 22
23	76.3	71.2	72.7	64.4	69.3	54.3	66.5	60.9	62.4	65.1	69.3	71.6	 23
24	73.7	72.6	70.9	65.0	67.3	61.6	63.2	63.2	60.2	67.7	69.9	72.9	 24
25	72.9	73.7	70.9	63.0	66.4	69.3	63.6	60.9	62.0	68.5	69.3	73.0	 25
26	71.3	72.4	72.6	67.3	64.6	66.3	66.0	59.2	57.9	68.7	70.1	72.5	 26
27	71.7	73.4	72.8	62.8	63.3	64.0	60.6	60.3	63.4	67.6	71.5	69.1	 27
28	73.6	73.0	76.0	65.3	66.6	60.4	59.8	62.5	62.6	63.3	71.7	72.6	 28
29	73.7		75.6	69.1	63.9	65.2	64.5	63.3	60.1	62.9	71.4	72.6	 29
30	73.1		73.3	69.2	66.4	65.3	58.4	63.0	60.2	62.6	70.0	71.4	 30
31	72.5		72.8		65.5		64.3	68.1		68.0		73.0	 31
Means	73.1	71.0	72.9	69.5	68.6	63.3	61.7	62.9	62.3	65.9	68.2	70.0	... ... Means.

TABLE X.

Daily Range of Temperature in Thermograph Screen during the year 1895.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	18.0	20.9	12.1	7.6	8.9	12.0	13.8	14.3	11.9	13.0	17.2	19.6	 1
2	14.4	18.3	9.6	9.1	10.1	7.4	14.5	13.9	16.0	13.9	15.7	20.6	 2
3	15.9	15.5	13.7	12.2	9.2	13.1	14.0	18.2	20.3	10.9	13.3	17.8	 3
4	14.7	16.1	12.1	12.8	5.5	10.4	15.5	17.8	12.0	16.9	19.8	18.7	 4
5	18.1	10.9	10.1	9.6	7.3	10.3	17.1	21.1	10.4	14.1	20.7	12.0	 5
6	17.3	14.4	11.1	11.6	7.3	13.1	13.6	17.9	10.4	16.7	18.6	14.1	 6
7	16.0	16.1	12.6	11.1	9.1	14.9	18.5	16.5	10.9	10.4	11.5	16.7	 7
8	17.6	19.6	11.0	7.1	9.2	17.3	11.8	20.2	14.6	11.8	11.9	17.8	 8
9	14.4	15.2	10.1	7.2	9.6	16.4	11.2	12.6	12.0	13.2	19.2	21.5	 9
10	17.2	15.2	11.8	13.0	12.7	9.8	12.4	10.6	12.4	17.8	22.2	11.2	 10
11	15.3	16.6	11.9	14.3	10.9	9.9	17.6	7.4	12.7	19.3	21.5	19.3	 11
12	13.1	22.1	8.1	15.6	15.3	9.3	15.2	7.4	19.0	17.7	20.0	11.9	 12
13	8.9	23.6	11.6	18.2	14.5	7.3	14.7	8.2	19.8	21.2	15.7	15.2	 13
14	11.7	23.6	10.5	15.0	12.6	9.6	15.6	9.2	17.3	15.6	21.8	16.5	 14
15	8.9	21.1	11.1	14.1	12.2	10.8	16.9	9.2	12.2	16.1	16.5	16.8	 15
16	11.4	20.6	10.9	9.2	10.0	13.3	19.0	12.1	18.9	15.5	8.7	22.7	 16
17	13.1	15.6	11.3	11.6	9.8	11.8	20.7	12.8	17.1	18.2	7.4	16.9	 17
18	14.2	20.1	9.0	6.7	6.9	13.0	18.4	11.5	21.6	19.8	12.5	4.6	 18
19	11.9	16.9	7.3	8.2	9.1	11.1	19.2	11.2	15.1	20.1	14.3	11.8	 19
20	14.7	15.3	4.2	11.4	9.7	17.1	15.1	10.9	17.0	21.3	16.5	11.5	 20
21	16.4	12.7	6.3	10.5	5.2	17.3	13.5	17.6	15.7	20.9	17.0	15.0	 21
22	9.1	13.8	7.7	13.0	8.5	19.5	15.0	15.0	17.4	15.5	18.0	15.8	 22
23	10.7	13.8	10.3	15.5	8.2	20.4	8.7	17.8	16.5	19.5	17.9	11.6	 23
24	14.8	12.9	7.4	15.7	10.8	15.8	12.9	7.8	18.8	16.4	16.4	10.1	 24
25	13.6	11.3	4.6	17.3	11.9	9.2	13.4	12.1	18.4	14.5	17.3	9.0	 25
26	16.3	9.3	7.2	13.8	13.4	8.7	10.0	13.3	21.8	14.7	16.9	8.1	 26
27	15.6	12.2	9.6	17.7	16.3	12.9	15.0	13.4	16.4	16.0	16.7	12.7	 27
28	12.5	12.0	7.3	15.2	10.0	16.6	15.8	11.6	15.9	20.5	15.9	10.2	 28
29	14.0		6.8	12.4	15.2	6.0	11.8	10.3	16.4	20.6	14.6	10.1	 29
30	15.3		9.2	13.8	9.1	7.8	17.7	14.0	17.3	21.5	14.0	10.3	 30
31	15.8		10.4		10.9		11.4	8.6		16.6		7.7	 31
Means	14.2	16.3	9.6	12.3	10.3	12.4	14.8	13.0	15.9	16.8	16.3	14.1	... ... Means.

METEOROLOGICAL OBSERVATIONS.

TABLE XI.

Showing the Mean differences between the Standard Dry Bulb Thermometer readings and the corresponding Tabulations of the Dry Bulb Thermograms for each month during the year 1895.

Months.	Mean difference,
	°
January	+ 0.05
February	+ 0.04
March	+ 0.08
April	+ 0.07
May	+ 0.12
June	+ 0.09
July	+ 0.10
August	+ 0.06
September	+ 0.06
October	+ 0.01
November...	+ 0.04
December	+ 0.09
Mean	+ 0.07

The mean differences in the last column of the above Table show how much the Tabulated readings were in excess of the Standard readings.

No corrections for these excesses have been made in Tables VI to IX.

TABLE XII.

Hourly and Monthly Means of the Temperature of Evaporation during the year 1895.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation + above − below mean.	Hours.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
0 ...	72.2	70.9	72.6	69.9	67.8	63.3	62.4	62.8	62.8	65.8	68.1	69.5	67.3	− 1.6	0
1 ...	71.8	70.6	72.6	69.7	67.8	63.3	62.0	62.6	62.6	65.4	68.0	69.3	67.1	− 1.8	1
2 ...	71.6	70.0	72.4	69.4	67.7	63.1	61.8	62.2	62.5	65.3	67.6	69.0	66.9	− 2.0	2
3 ...	71.4	70.2	72.3	69.2	67.6	63.1	61.3	62.0	62.5	64.8	67.4	69.0	66.7	− 2.2	3
4 ...	71.3	69.9	72.3	69.0	67.6	63.0	61.2	61.9	62.4	64.9	67.1	68.7	66.6	− 2.3	4
5 ...	71.2	69.6	72.2	69.0	67.4	62.8	61.3	61.7	62.3	64.6	66.9	68.9	66.5	− 2.4	5
6 ...	71.7	69.4	72.5	68.8	67.5	62.7	61.4	61.7	62.4	65.3	68.3	69.8	66.8	− 2.1	6
7 ...	73.7	72.0	73.1	70.1	67.9	62.9	61.9	62.4	64.6	68.6	70.9	71.7	68.3	− 0.6	7
8 ...	74.2	73.5	74.2	72.8	69.6	65.2	65.4	64.8	66.7	69.4	71.3	72.1	69.9	+ 1.0	8
9 ...	74.4	73.5	74.6	73.5	70 1	66.3	66.7	65.6	66.7	69.7	71.7	72.7	70.5	+ 1.6	9
10 ...	74.9	73.9	75.0	73.7	70.7	66.9	67.0	66.3	67.2	70.0	71.9	73.0	70.9	+ 2.0	10
11 ...	75.0	74.1	75.2	73.8	70.4	67.0	67.0	65.9	67.1	70.0	72.3	73.1	70.9	+ 2.0	11
12 ...	75.2	74.5	75.3	74.4	70.8	67.2	67.1	66.5	67.2	70.3	72.4	73.3	71.2	+ 2.3	12
13 ...	74.8	74.6	75.1	74.1	70.8	67.1	67.1	66.4	67.0	70.3	72.2	73.2	71.1	+ 2.2	13
14 ...	75.1	74.6	75.3	73.6	70.8	67.3	67.3	66.5	67.3	70.1	72.1	72.9	71.1	+ 2.2	14
15 ...	74.7	74.0	75.1	73.4	70.4	66.5	67.0	66.0	66.8	69.8	71.4	72.5	70.6	+ 1.7	15
16 ...	74.6	73.7	74.7	73.0	70.3	66.1	66.7	65.8	66.8	69.4	71.5	72.0	70.4	+ 1.5	16
17 ...	74.2	73.6	74.4	72.6	69.7	65.5	65.9	64.9	66.2	69.0	71.0	71.6	69.9	+ 1.0	17
18 ...	73.8	73.1	73.9	72.0	69.1	64.9	65.0	64.3	65.5	68.4	70.6	71.1	69.3	+ 0.4	18
19 ...	73.4	72.6	73.5	71.2	68.8	64.2	64.1	63.9	64.6	68.1	70.2	70.9	68.8	− 0.1	19
20 ...	73 3	72.2	73.3	70.9	68.5	63.9	63.7	63.6	64.0	67.5	69.6	70.6	68.4	− 0.5	20
21 ...	73.0	71.9	73.2	70.5	68.3	63.6	63.2	63.3	63.4	67.1	69.1	70.3	68.1	− 0.8	21
22 ...	72.7	71.7	72.9	70.2	68.2	63.3	63.0	63.1	63.2	66.6	68.8	70.1	67.8	− 1.1	22
23 ...	72.5	71.2	72.8	69.9	68.0	63.2	62.8	62.8	62.6	66.4	68.5	70.0	67.6	− 1.3	23
Monthly means.	73.4	72.3	73.7	71.4	69.0	64.7	64.3	64.0	64.8	67.8	70.0	71.1	68.9		Monthly means.

TABLE XIII.

Daily and Monthly Means of the Temperature of Evaporation during the year 1895.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	69.7	70.7	75.7	74.8	67.4	64.6	64.6	65.0	66.7	63.9	68.0	67.2	 1
2	71.5	72.1	74.8	74.4	71.2	64.4	65.9	65.6	64.7	63.7	67.9	68.2	 2
3	72.7	73.1	72.5	73.1	74.0	66.6	66.4	65.1	63.7	65.6	68.0	67.8	 3
4	71.9	72.6	74.2	73.9	72.5	67.6	64.6	64.3	65.3	67.0	68.2	67.5	 4
5	71.0	73.5	74.3	73.2	70.2	67.2	65.9	62.7	66.0	69.4	68.6	70.7	 5
6	71.1	72.3	74.3	73.3	66.4	65.3	64.7	61.4	65.4	70.1	69.0	70.6	 6
7	73.9	72.1	73.7	73.4	66.8	65.7	61.5	60.2	66.6	67.2	69.1	72.1	 7
8	75.2	71.7	73.8	73.8	67.4	64.7	64.7	61.4	66.0	66.1	70.4	71.2	 8
9	75.7	72.5	73.7	72.4	69.2	63.5	65.6	64.2	66.9	68.5	69.3	72.7	 9
10	74.3	73.0	73.7	73.9	71.1	64.8	65.5	63.8	66.8	68.9	69.5	72.8	 10
11	74.3	73.2	74.2	70.5	71.8	64.8	64.9	64.0	66.4	68.0	70.5	73.8	 11
12	75.9	71.7	73.6	69.2	69.1	65.3	66.3	67.0	64.5	67.0	70.4	73.7	 12
13	74.9	70.8	71.8	68.5	69.1	67.7	65.8	68.7	62.1	68.2	69.7	73.6	 13
14	72.6	70.2	72.5	69.3	70.5	66.8	64.4	67.2	64.0	69.4	71.0	70.7	 14
15	72.6	70.1	73.1	71.4	69.1	64.9	64.7	66.0	65.6	68.4	69.7	66.6	 15
16	74.2	72.2	73.5	72.5	70.0	65.0	63.5	65.3	64.4	69.0	69.9	65.8	 16
17	74.6	73.8	73.1	73.8	70.3	66.1	62.1	64.8	64.0	68.4	69.2	70.5	 17
18	73.7	73.0	72.6	74.5	70.7	65.1	64.1	64.5	62.9	68.5	69.6	72.0	 18
19	75.2	72.2	71.6	73.8	70.8	64.2	64.0	65.3	64.3	67.9	69.6	73.5	 19
20	73.0	70.8	73.9	73.4	71.1	59.9	60.9	65.2	65.3	67.3	69.3	72.4	 20
21	73.3	71.2	74.9	71.4	69.9	60.5	62.3	64.7	66.4	68.1	68.6	71.2	 21
22	75.7	71.9	73.0	69.1	67.7	57.4	62.9	65.9	65.3	68.2	71.0	72.7	 22
23	75.6	72.4	74.2	67.8	66.0	59.0	63.8	64.6	65.3	67.8	71.8	72.8	 23
24	73.8	71.2	72.6	67.3	66.9	65.6	62.9	60.6	63.3	68.7	71.9	72.2	 24
25	72.9	72.8	71.7	68.5	67.3	69.3	65.1	58.6	64.0	69.1	71.6	72.7	 25
26	72.0	73.7	73.3	69.4	65.8	66.4	65.8	59.9	64.0	68.7	71.9	71.4	 26
27	72.0	74.9	75.1	67.2	67.5	64.9	64.3	59.6	64.4	69.2	72.3	69.6	 27
28	73.4	74.6	76.3	68.3	69.1	64.0	63.1	62.9	64.7	66.2	71.4	72.4	 28
29	72.7		75.3	70.3	67.8	65.1	65.2	63.1	61.4	66.1	71.0	70.8	 29
30	72.8		72.9	71.0	66.3	64.2	61.7	65.5	62.3	67.7	70.2	71.1	 30
31	71.8		73.8		65.5		64.9	68.0		69.2		72.6	 31
Means	73.4	72.3	73.7	71.4	69.0	64.7	64.3	64.0	64.8	67.8	70.0	71.1	... ... Means.

METEOROLOGICAL OBSERVATIONS.

TABLE XIV.

Showing the Mean differences between the Standard Wet Bulb Thermometer readings and the corresponding Tabulations of the Wet Bulb Thermograms for each month of the year 1895.

Months.	Mean difference.
	°
January	− 0.02
February	− 0.02
March	− 0.19
April	− 0.14
May	− 0.12
June	− 0.06
July	+ 0.03
August	− 0.12
September	− 0.14
October	− 0.03
November	+ 0.10
December	+ 0.05
Mean	− 0.05

The mean differences in the last column of the above Table show how much the Tabulated readings were in defect (−) or in excess (+) of the Standard readings.

No corrections for these differences have been made in Tables XII & XIII.

TABLE XV.

Hourly and Monthly Means of the Relative Humidity during the year 1895.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation + above − below means.	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 ...	82.5	83.0	87.0	88.0	83.0	84.0	86.9	84.0	85.5	85.0	87.1	83.0	84.9	+ 9.0	0
1 ...	83.5	84.0	88.5	88.2	84.5	84.0	86.5	84.5	86.0	85.6	87.5	84.5	85.6	+ 9.7	1
2 ...	84.0	85.0	87.5	87.9	85.5	83.8	88.3	84.0	86.5	86.8	88.6	84.0	86.0	+10.1	2
3 ...	84.5	87.0	88.0	88.2	84.5	83.8	88.3	85.0	87.5	87.0	89.4	84.5	86.5	+10.6	3
4 ...	85.0	86.5	89.0	88.6	85.0	83.8	88.2	85.4	87.9	87.5	89.8	85.5	86.8	+10.9	4
5 ...	85.0	86.0	89.0	88.0	84.5	84.5	88.8	85.7	88.8	87.6	89.2	86.5	87.0	+11.1	5
6 ...	85.0	86.4	88.5	89.3	84.5	84.5	88.9	85.2	88.9	87.4	88.3	85.0	86.8	+10.9	6
7 ...	77.8	81.5	87.0	88.5	84.0	85.0	89.4	85.0	84.0	79.2	77.7	76.6	83.0	+ 7.1	7
8 ...	69.4	67.8	81.5	81.0	79.6	79.5	82.5	77.5	72.5	68.2	67.6	68.6	74.6	− 1.3	8
9 ...	64.7	61.1	78.4	74.6	72.5	72.5	73.7	71.0	65.6	61.2	61.2	64.6	68.4	− 7.5	9
10 ...	59.4	57.9	75.0	71.0	69.8	69.6	68.0	67.3	61.0	56.3	58.7	62.5	64.7	−11.2	10
11 ...	57.4	56.1	75.2	68.6	67.8	66.4	63 6	63.5	59.1	54.2	56.4	62.0	62.5	−13.4	11
12 ...	57.1	55.0	73.3	69.2	66.6	65.2	61.5	64.4	57.7	53.6	55.5	60.9	61.7	−14.2	12
13 ...	56.5	55.9	71.9	68.0	67.0	65.2	61.2	64.0	57.8	53.0	54.0	59.3	61.1	−14.8	13
14 ...	55.9	55.9	72.8	67.0	68.2	64.8	63.2	63.6	58.4	54.8	55.5	58.5	61.5	−14.4	14
15 ...	56.8	56.1	71.9	69.0	68.6	65.2	64.8	65.2	58.8	56.6	56.4	60.5	62.5	−13.4	15
16 ...	60.0	57.3	74.9	71.0	71.4	66.7	68.4	67.0	62.4	60.0	59.5	62.7	65.1	−10.8	16
17 ..	62.7	61.8	76.2	74.2	75.5	71.9	71.8	69.0	66.8	65.4	65.2	66.7	68.9	− 7.0	17
18 ...	67.4	65.4	80.3	80.0	80.0	78.0	79.0	75.0	73.9	70.8	71.0	69.4	74.2	− 1.7	18
19 ...	73.4	72.2	84.0	82.5	82.6	79.5	82.0	79.0	79.0	77.5	76.5	74.6	78.6	+ 2.7	19
20 ...	78.1	75.8	85.5	84.0	81.5	80.5	83.5	81.0	81.5	79.0	80.8	77.5	80.7	+ 4.8	20
21 ...	79.5	78.6	87.0	84.5	83.0	83.0	83.8	81.5	83.5	82.0	83.5	79.0	82.4	+ 6.5	21
22 ...	80.9	81.7	87.0	85.5	83.5	82.5	84.4	83.0	84.0	84.0	84.5	79.5	83.4	+ 7.5	22
23 ...	81.5	82.0	87.5	86.0	83.5	84.0	85.5	83.0	83.5	85.0	85.5	82.5	84.1	+ 8.2	23
Monthly means.	72.0	71.7	82.0	80.1	78.2	77.0	78.4	76.4	75.0	72.8	73.7	73.3	75.9		Monthly means.

TABLE XVI.

Daily and Monthly Means of the Relative Humidity during the year 1895.

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	64.3	65.5	79.9	83.5	72.4	75.6	78.0	75.5	75.3	64.6	66.8	62.5	 1
2	68.1	66.2	75.8	82.5	81.0	66.6	85.0	74.8	74.1	62.9	70.4	63.2	 2
3	69.8	70.6	70.2	78.3	84.5	71.2	81.5	77.5	79.5	74.8	80.5	62.5	 3
4	68.5	67.8	77.2	81.5	86.0	76.2	80.0	76.0	80.5	71.6	74.6	61.0	 4
5	67.8	76.6	85.5	83.0	74.2	80.5	84.0	69.0	83.8	72.4	71.6	71.8	 5
6	68.6	67.4	77.7	82.0	62.4	75.5	77.0	71.8	76.5	82.0	78.2	66.2	 6
7	71.8	67.0	73.8	79.8	67.2	78.5	76.0	61.6	77.0	78.0	72.9	71.8	 7
8	72.0	65.8	81.0	88.5	74.0	77.5	79.0	69.0	73.5	69.5	75.2	67.2	 8
9	71.2	67.8	77.8	85.5	82.0	83.5	79.0	81.0	75.9	76.1	67.6	69.0	 9
10	68.6	67.0	75.4	78.2	82.0	74.2	75.1	82.5	74.6	78.1	68.8	84.0	 10
11	69.4	76.8	74.4	76.1	83.0	79.5	78.5	87.5	76.0	72.4	70.6	70.6	 11
12	74.4	68.0	83.0	77.6	77.5	72.5	81.0	87.0	67.8	69.6	69.8	80.5	 12
13	73.8	64.1	79.8	75.7	77.9	78.0	79.5	85.0	71.0	74.2	67.0	81.6	 13
14	67.8	65.4	78.7	76.9	80.0	75.4	77.5	83.0	72.2	75.2	70.6	68.6	 14
15	69.4	65.0	77.1	78.6	76.7	74.3	80.0	80.5	79.5	70.0	81.7	63.2	 15
16	72.4	66.2	77.0	78.7	76.0	74.0	77.5	81.5	71.4	73.2	81.5	60.0	 16
17	75.2	67.4	80.5	80.6	77.5	78.0	77.0	76.6	70.6	71.6	85.2	67.4	 17
18	74.2	64.6	80.8	85.5	86.0	78.0	77.5	72.3	73.0	78.3	75.0	87.5	 18
19	73.6	63.8	89.5	87.5	84.5	79.5	81.0	76.0	73.3	70.4	70.4	81.1	 19
20	82.5	70.6	89.0	84.5	81.5	65.2	70.5	78.0	73.7	75.5	70.4	73.4	 20
21	73.8	75.8	88.5	80.6	84.5	77.5	74.0	76.1	72.6	69.6	66.4	69.8	 21
22	76.1	81.5	90.5	74.1	75.1	73.0	73.5	76.7	80.0	68.8	71.8	77.8	 22
23	73.6	77.4	82.5	74.8	67.8	73.8	69.6	72.4	73.3	67.2	73.0	84.0	 23
24	68.6	67.5	90.5	70.8	75.1	79.0	70.0	66.4	69.1	66.4	73.8	76.8	 24
25	70.2	71.0	90.5	79.5	75.0	82.5	82.0	61.5	66.6	70.4	71.4	81.3	 25
26	67.4	83.5	86.5	71.2	73.4	78.5	78.5	72.9	71.4	68.0	71.0	76.2	 26
27	65.8	80.7	87.5	75.0	78.5	71.4	77.0	64.4	66.6	72.2	70.6	68.8	 27
28	75.4	82.5	88.0	75.1	87.1	75.0	71.0	72.5	70.6	65.6	67.4	76.2	 28
29	69.0		85.0	78.5	82.0	85.6	79.5	76.5	61.2	66.4	68.2	70.6	 29
30	68.6		77.0	84.0	78.0	80.5	67.0	77.5	68.5	68.2	69.0	74.2	 30
31	65.6		81.8		73.5		80.5	84.0		68.0		84.0	 31
Means	70.9	70.5	81.7	79.6	77.9	76.5	77.3	75.7	73.3	71.3	72.4	72.7	... ... Means.

TABLE XVII.

Hourly and Monthly Means of the Dew Point during the year 1895.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation +above −below mean.	Hours.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
0 ...	69.8	68.6	70.9	68.2	65.6	61.1	60.7	60.5	60.8	63.7	66.4	67.1	65.3	0.0	0
1 ...	69.5	68.4	71.1	68.0	65.8	61.1	60.1	60.4	60.6	63.5	66.4	67.1	65.2	− 0.1	1
2 ...	69.4	67.9	70.7	67.8	65.8	60.9	60.1	59.9	60.5	63.5	66.0	66.9	64.9	− 0.4	2
3 ...	69.3	68.4	70.7	67.7	65.6	60.9	59.6	59.8	60.7	63.0	66.0	66.9	64.9	− 0.4	3
4 ...	69.2	68.0	70.8	67.5	65.6	60.8	59.5	59.8	60.7	63.2	65.7	66.8	64.8	− 0.5	4
5 ...	69.1	67.6	70.7	67.5	65.3	60.6	59.7	59.7	60.7	62.8	65.5	67.2	64.7	− 0.6	5
6 ...	69.6	67.5	71.0	67.3	65.5	60.5	60.0	59.6	60.8	63.6	66.8	67.7	65.0	− 0.3	6
7 ...	70.7	69.5	71.4	68.5	65.8	60.8	60.4	60.3	62.4	65.5	67.8	68.5	66.0	+ 0.7	7
8 ...	69.9	68.9	71.8	70.2	66.7	62.2	62.9	61.5	62.7	64.6	66.5	67.6	66.3	+ 1.0	8
9 ...	69.1	67.6	71.7	70.0	66.2	62.4	63.0	61.4	61.5	63.8	65.9	67.4	65.9	+ 0.6	9
10 ...	68.9	67.5	71.6	69.6	66.3	62.4	62.3	61.5	61.2	63.3	65.5	67.3	65.6	+ 0.3	10
11 ...	68.4	67.3	71.8	69.3	65.6	62.0	61.5	60.1	60.7	62.8	65.5	67.3	65.2	− 0.1	11
12 ...	68.5	67.3	71.6	69.9	65.7	62.0	61.2	61.1	60.5	63.0	65.4	67.4	65.3	0.0	12
13 ...	68.0	67.6	71.1	69.4	65.9	61.9	61.1	60.9	60.4	62.9	64.9	67.0	65.1	− 0.2	13
14 ...	68.2	67.6	71.3	68.9	66.1	62.0	61.7	61.0	60.7	63.1	65.1	66.6	65.2	− 0.1	14
15 ...	67.9	67.2	71.1	68.9	65.8	61.2	61.7	60.7	60.4	63.1	64.6	66.4	64.9	− 0.4	15
16 ...	68.5	67.1	71.2	68.9	66.1	61.2	62.0	60.9	61.1	63.3	65.4	66.4	65.2	− 0.1	16
17 ...	68.5	67.8	71.1	69.0	66.2	61.4	61.9	60.3	61.3	63.8	65.7	66.6	65.3	0.0	17
18 ...	69.1	68.1	71.2	69.2	66.3	61.7	62.0	60.6	61.7	64.1	66.4	66.6	65.6	+ 0.3	18
19 ...	69.7	68.6	71.4	68.8	66.3	61.2	61.5	60.9	61.6	64.8	67.0	67.2	65.7	+ 0.4	19
20 ...	70.3	68.8	71.4	68.7	65.8	61.1	61.4	60.9	61.4	64.6	66.9	67.5	65.7	+ 0.4	20
21 ...	70.3	69.0	71.5	68.4	66.0	61.2	61.0	60.7	61.1	64.7	66.7	67.4	65.7	+ 0.4	21
22 ...	70.1	69.1	71.2	68.2	66.0	60.8	60.9	60.7	61.0	64.4	66.7	67.3	65.5	+ 0.2	22
23 ...	70.0	68.7	71.2	68.0	65.8	61.0	60.8	60.4	60.2	64.4	66.6	67.6	65.4	+ 0.1	23
Monthly means.	69.2	68.1	71.2	68.7	65.9	61.3	61.1	60.6	61.0	63.7	66.1	67.2	65.3		Monthly means.

TABLE XVIII.

Daily and Monthly Means of the Dew Point during the year 1895.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	64.2	65.5	72.8	72.6	63.3	61.1	61.4	61.5	63.2	58.5	63.0	61.5	 1
2	66.8	67.2	71.4	72.1	68.6	59.4	63.8	62.0	60.9	57.9	63.6	62.7	 2
3	68.4	68.9	68.2	70.2	72.0	62.4	63.8	61.9	60.8	62.0	65.3	62.1	 3
4	67.2	67.9	71.1	71.4	70.6	64.1	61.7	60.8	62.5	62.8	64.6	61.4	 4
5	66.2	70.3	72.4	71.0	66.6	64.6	63.7	58.2	63.8	65.4	64.5	66.6	 5
6	66.5	67.6	71.3	70.9	60.7	61.8	61.3	57.1	62.1	67.6	65.9	65.6	 6
7	69.9	67.3	70.1	70.7	61.9	62.7	57.9	54.2	63.4	64.2	65.2	68.0	 7
8	71.1	66.7	71.2	72.3	63.6	61.4	61.7	56.8	62.3	61.7	66.9	66.3	 8
9	71.5	67.8	70.7	70.4	66.6	61.2	62.7	61.5	63.5	65.1	64.6	68.2	 9
10	69.9	68.2	70.3	71.0	68.6	61.0	61.9	61.3	63.2	65.8	65.0	70.7	 10
11	70.0	70.0	70.7	67.2	69.5	61.8	61.8	62.3	63.1	64.0	66.2	69.6	 11
12	72.2	66.9	71.4	65.9	65.8	61.3	63.7	65.2	59.7	62.5	66.0	71.0	 12
13	71.3	65.3	68.9	65.0	65.9	64.6	62.9	66.7	57.8	64.5	64.8	71.1	 13
14	67.9	65.0	69.6	65.9	67.7	63.4	61.1	64.9	60.0	65.9	66.7	66.1	 14
15	68.2	64.9	70.0	68.4	65.7	61.2	61.8	63.3	62.7	64.0	67.1	61.0	 15
16	70.3	67.3	70.3	69.6	66.7	61.3	60.3	62.7	60.2	65.2	67.3	59.6	 16
17	71.1	69.1	70.5	71.1	67.2	63.0	58.7	61.5	59.7	64.3	67.2	65.7	 17
18	70.1	67.8	70.0	72.6	68.8	62.0	60.8	60.4	59.0	65.3	66.0	70.3	 18
19	71.5	66.8	70.2	72.2	68.7	61.2	61.3	61.9	60.4	63.6	65.4	71.0	 19
20	70.7	66.5	72.5	71.4	68.6	54.5	56.5	62.1	61.5	63.9	65.1	68.6	 20
21	69.6	67.8	73.4	68.7	67.8	57.3	58.5	61.3	62.5	63.6	63.7	66.8	 21
22	72.4	69.3	71.8	65.4	64.0	53.3	59.1	62.6	62.4	63.6	66.9	69.7	 22
23	71.8	69.2	71.9	64.1	61.3	55.0	59.3	60.5	61.4	62.9	67.9	70.7	 23
24	69.3	66.4	71.4	63.0	63.4	62.7	58.5	55.5	58.8	63.8	68.2	69.0	 24
25	68.7	68.7	70.5	65.5	63.8	66.8	62.5	52.4	59.0	64.9	67.5	70.2	 25
26	67.3	71.5	71.6	65.3	61.9	63.4	62.8	55.8	59.8	64.0	67.7	68.1	 26
27	67.0	72.3	73.5	63.7	64.5	60.7	60.9	54.0	59.4	65.2	68.1	65.1	 27
28	70.0	72.3	74.8	64.7	67.4	60.3	58.9	58.9	60.4	60.9	66.5	69.1	 28
29	68.2		73.3	67.3	65.4	63.2	62.2	59.7	55.4	61.0	66.3	66.5	 29
30	68.3		69.7	68.8	63.2	61.4	56.8	62.3	57.7	63.2	65.6	67.4	 30
31	66.7		71.3		61.6		62.1	65.9		64.6		70.5	 31
Means	69.2	68.0	71.2	68.6	65.9	61.3	61.0	60.5	60.9	63.6	66.0	67.1	... ... Means.

TABLE XIX.

Hourly and Monthly Means of the Vapour Tension during the year 1895.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation +above −below mean.	Hours.
	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	
0 ...	0.728	0.699	0.756	0.689	0.630	0.539	0.531	0.528	0.533	0.590	0.648	0.664	0.628	− .001	0
1 ...	.721	.694	.761	.684	.635	.539	.520	.526	.529	.586	.648	.664	.626	− .003	1
2 ...	.718	.682	.751	.680	.635	.535	.520	.516	.528	.586	.639	.659	.621	− .008	2
3 ...	.716	.694	.751	.678	.630	.535	.511	.514	.531	.576	.639	.659	.619	− .010	3
4 ...	.713	.684	.754	.673	.630	.533	.509	.514	.531	.580	.633	.657	.618	− .011	4
5 ...	.711	.675	.751	.673	.624	.529	.512	.512	.531	.572	.628	.666	.615	− .014	5
6 ...	.723	.673	.759	.668	.628	.528	.518	.511	.533	.588	.657	.678	.622	− .007	6
7 ...	.751	.721	.769	.697	.635	.533	.526	.524	.564	.628	.680	.697	.644	+ .015	7
8 ...	.731	.706	.779	.738	.655	.560	.574	.546	.570	.609	.650	.675	.649	+ .020	8
9 ...	.711	.675	.777	.733	.644	.564	.576	.545	.546	.592	.637	.671	.639	+ .010	9
10 ...	.706	.673	.774	.723	.646	.564	.562	.546	.541	.582	.628	.668	.634	+ .005	10
11 ...	.694	.668	.779	.716	.630	.556	.546	.520	.531	.572	.628	.668	.626	− .003	11
12 ...	.697	.668	.774	.731	.633	.556	.541	.539	.528	.576	.626	.671	.628	− .001	12
13 ...	.684	.675	.761	.718	.637	.554	.539	.535	.526	.574	.615	.661	.623	− .006	13
14 ...	.689	.675	.766	.706	.641	.556	.550	.537	.531	.578	.620	.652	.625	− .004	14
15 ...	.682	.666	.761	.706	.635	.541	.550	.531	.526	.578	.609	.648	.619	− .010	15
16 ...	.697	.664	.764	.706	.641	.541	.556	.535	.539	.582	.626	.648	.625	− .004	16
17 ...	.697	.680	.761	.708	.644	.545	.554	.524	.543	.592	.633	.652	.628	− .001	17
18 ...	.711	.687	.764	.713	.646	.550	.556	.529	.550	.598	.648	.652	.634	+ .005	18
19 ...	.726	.699	.769	.704	.646	.541	.546	.535	.548	.613	.661	.666	.638	+ .009	19
20 ...	.741	.704	.769	.701	.635	.539	.545	.535	.545	.609	.659	.673	.638	+ .009	20
21 ...	.741	.708	.772	.694	.639	.541	.537	.531	.539	.611	.655	.671	.637	+ .008	21
22 ...	.736	.711	.764	.689	.639	.533	.535	.531	.537	.605	.655	.668	.634	+ .005	22
23 ...	.733	.701	.764	.684	.635	.537	.533	.526	.522	.605	.652	.675	.631	+ .002	23
Monthly means.	.715	.687	.765	.701	.637	.544	.539	.529	.538	.591	.641	.665	.629		Monthly means.

TABLE XX.

Daily and Monthly Means of the Vapour Tension during the year 1895.

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	0.601	0.628	0.807	0.801	0.582	0.539	0.545	0.546	0.580	0.491	0.576	0.546	 1
2	.657	.666	.769	.788	.699	.507	.592	.556	.535	.480	.588	.570	 2
3	.694	.706	.689	.738	.785	.564	.592	.554	.533	.556	.624	.558	 3
4	.666	.682	.761	.769	.749	.598	.550	.533	.566	.572	.609	.545	 4
5	.644	.741	.796	.759	.652	.609	.590	.485	.592	.626	.607	.652	 5
6	.650	.675	.766	.756	.531	.552	.543	.467	.558	.675	.637	.630	 6
7	.731	.668	.736	.751	.554	.570	.480	.421	.584	.601	.622	.684	 7
8	.761	.655	.764	.793	.588	.545	.550	.462	.562	.550	.659	.646	 8
9	.772	.680	.751	.744	.652	.541	.570	.546	.586	.620	.609	.689	 9
10	.731	.689	.741	.759	.699	.537	.554	.543	.580	.635	.617	.751	 10
11	.733	.733	.751	.666	.721	.552	.552	.562	.578	.596	.644	.723	 11
12	.790	.659	.769	.637	.635	.543	.590	.622	.512	.566	.639	.759	 12
13	.766	.624	.706	.617	.637	.609	.574	.655	.479	.607	.613	.761	 13
14	.682	.617	.723	.637	.678	.584	.539	.615	.518	.637	.655	.641	 14
15	.689	.615	.733	.694	.633	.541	.552	.582	.570	.596	.664	.537	 15
16	.741	.668	.741	.723	.655	.543	.524	.570	.522	.622	.668	.511	 16
17	.761	.711	.746	.761	.666	.576	.494	.546	.512	.603	.666	.633	 17
18	.736	.680	.733	.801	.704	.556	.533	.526	.500	.624	.639	.741	 18
19	.772	.657	.738	.790	.701	.541	.543	.554	.526	.588	.626	.759	 19
20	.751	.650	.799	.769	.699	.425	.457	.558	.546	.594	.620	.699	 20
21	.723	.680	.823	.701	.680	.470	.491	.543	.566	.588	.590	.657	 21
22	.796	.716	.779	.626	.596	.407	.501	.568	.564	.588	.659	.726	 22
23	.779	.713	.782	.598	.543	.433	.505	.528	.545	.574	.682	.751	 23
24	.716	.648	.769	.576	.584	.570	.491	.441	.496	.592	.689	.708	 24
25	.701	.701	.746	.628	.592	.657	.566	.394	.500	.615	.673	.738	 25
26	.668	.772	.774	.624	.554	.584	.572	.446	.514	.596	.678	.687	 26
27	.661	.793	.826	.590	.607	.531	.535	.418	.507	.622	.687	.620	 27
28	.733	.793	.863	.611	.671	.524	.498	.498	.526	.535	.650	.711	 28
29	.689		.820	.668	.626	.580	.560	.512	.439	.537	.646	.650	 29
30	.692		.726	.704	.580	.545	.462	.562	.477	.580	.630	.671	 30
31	.655		.766		.548		.558	.637		.609		.746	 31
Means	.714	.686	.764	.703	.639	.545	.538	.532	.536	.590	.639	.668	... ... Means.

METEOROLOGICAL OBSERVATIONS.

TABLE XXI.

Temperature of the Air in 1895.—(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	79.4	75.4	81.2	83.7	83.4	87.5	70.1	17.4	85.4	74.7	80.0	10.7	14.5	6.7
February	78.2	73.1	80.9	83.7	83.3	89.5	66.8	22.7	85.4	72.5	78.9	12.9	19.4	7.5
March	77.7	75.0	78.5	80.4	80.4	85.0	70.1	14.9	81.9	74.1	78.0	7.8	11.8	1.8
April	75.4	71.5	77.6	80.2	79.4	83.4	63.8	19.6	81.1	71.4	76.2	9.7	14.6	4.0
May	73.6	70.7	75.2	77.2	76.5	81.9	66.2	15.7	78.3	70.4	74.3	7.9	12.0	2.5
June	69.8	66.5	71.1	73.5	73.1	77.6	54.8	22.8	74.8	65.6	70.2	9.2	17.2	5.7
July	69.2	65.0	70.8	74.0	73.4	77.3	59.0	18.3	75.2	64.1	69.6	11.1	16.3	6.8
August	68.8	65.1	70.3	72.8	72.5	77.3	59.9	17.4	74.6	64.6	69.6	10.0	17.4	5.2
September	69.7	65.0	72.3	74.8	74.4	78.4	59.7	18.7	76.4	64.7	70.5	11.7	16.9	7.6
October	72.8	68.0	75.8	78.4	77.6	82.3	65.0	17.3	79.8	67.6	73.7	12.2	16.4	6.9
November	74.9	70.7	77.6	79.9	79.1	84.6	64.4	20.2	81.2	69.9	75.5	11.3	15.3	5.9
December	76.3	72.9	78.5	80.2	79.8	83.7	67.3	16.4	81.6	72.2	76.9	9.4	14.7	4.5
Means	73.8	69.9	75.8	78.2	77.7	82.4	63.9	18.4	79.6	69.3	74.4	10.3	15.5	5.4

TABLE XXII.

Temperature of Evaporation in 1895.—(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	73.3	72.3	74.1	74.5	74.2	79.1	67.2	11.9	76.3	71.4	73.8	4.9	8.1	3.3
February	72.0	70.2	73.4	74.3	73.9	78.4	64.0	14.4	75.8	69.7	72.7	6.1	10.4	2.9
March	73.8	72.7	74.6	74.9	75.0	78.7	69.0	9.7	76.9	71.9	74.4	5.0	6.6	2.9
April	71.3	69.4	73.2	73.9	73.2	78.0	62.0	16.0	75.3	69.2	72.2	6.1	10.8	3.2
May	69.1	67.8	70.2	70.7	70.5	76.8	63.2	13.6	72.4	67.2	69.8	5.2	7.8	1.8
June	64.9	63.3	66.3	67.1	66.5	72.3	52.7	19.6	68.6	62.2	65.4	6.4	10.0	3.0
July	64.7	62.6	66.5	66.6	66.9	71.4	57.3	14.1	68.5	61.7	65.1	6.8	12.4	4.1
August	64.2	62.3	65.5	66.3	66.1	71.9	55.4	16.5	67.9	61.5	64.7	6.4	9.6	3.7
September	64.6	62.9	66.3	66.6	66.4	70.0	58.1	11.9	68.5	62.2	65.3	6.3	11.1	3.3
October	67.4	65.7	69.1	69.4	69.2	72.4	60.8	11.6	71.0	65.0	68.0	6.0	9.0	1.9
November	69.7	68.5	70.8	71.3	71.0	74.5	63.0	11.5	72.6	67.5	70.0	5.1	8.6	2.5
December	71.0	70.0	72.0	72.5	72.1	76.4	63.5	12.9	74.0	68.9	71.4	5.1	7.9	3.2
Means	68.8	67.3	70.2	70.7	70.4	75.0	61.3	13.6	72.3	66.5	69.4	5.8	9.4	3.0

* The mean of the observations taken daily at 6 and 15 hours.
† " maximum and minimum.

METEOROLOGICAL OBSERVATIONS.

TABLE XXIII.

Dew Point in 1895.—(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	69.2	70.0	69.3	68.4	68.4	75.3	61.5	13.8	7.3	0.4
February	67.8	68.0	68.4	67.9	67.7	75.3	62.2	13.1	5.6	0.5
March	71.1	71.0	71.9	71.2	71.3	75.4	66.2	9.2	6.1	0.6
April	68.4	67.8	70.2	69.6	69.0	74.4	61.9	12.5	6.6	1.2
May	65.9	65.6	66.6	66.2	66.2	72.7	59.1	13.6	6.1	0.6
June	61.2	60.7	62.7	62.3	61.7	68.1	51.0	17.1	6.6	0.9
July	61.3	60.6	63.3	61.7	62.1	67.2	54.6	12.6	9.1	0.8
August	60.7	60.0	61.9	61.6	61.3	69.3	50.1	19.2	6.3	1.0
September	60.9	61.1	61.7	60.7	60.7	66.7	53.4	13.3	8.3	0.3
October	63.7	64.0	64.3	63.1	63.4	68.8	57.3	11.5	6.8	1.2
November	66.1	66.8	66.0	65.5	65.4	70.3	60.6	9.7	6.1	1.0
December	67.3	67.9	67.6	67.2	66.8	72.6	58.3	14.3	5.8	0.7
Means	65.3	65.3	66.2	65.4	65.3	71.3	58.0	13.3	6.7	0.8

TABLE XXIV.

Elastic Force of Vapour in 1895.—(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	.718	.737	.719	.700	.700	.877	.547	.330	.185	.007
February	.685	.689	.697	.690	.681	.879	.560	.319	.122	.012
March	.765	.760	.784	.770	.770	.880	.644	.236	.149	.017
April	.699	.685	.743	.727	.713	.852	.555	.297	.145	.029
May	.642	.636	.658	.648	.649	.805	.504	.301	.144	.011
June	.544	.535	.574	.566	.553	.688	.374	.314	.137	.021
July	.546	.531	.588	.554	.561	.667	.428	.239	.176	.018
August	.536	.524	.559	.553	.548	.719	.361	.358	.125	.017
September	.538	.543	.553	.533	.534	.655	.408	.247	.156	.007
October	.592	.597	.605	.579	.587	.706	.470	.236	.139	.021
November	.644	.659	.641	.630	.629	.743	.528	.215	.138	.020
December	.674	.686	.680	.671	.663	.804	.488	.316	.138	.018
Means	.632	.632	.650	.635	.632	.773	.489	.284	.146	.016

* Mean of the observations taken daily at 6 and 15 hours.

METEOROLOGICAL OBSERVATIONS.

TABLE XXV.

Relative Humidity in 1895.—(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	72.5	83.6	67.5	60.4	61.3	92.5	48.5	44.0	35.9	9.1
February	72.1	84.3	66.1	60.2	60.0	94.0	49.0	45.0	37.4	11.1
March	81.1	87.7	80.7	74.3	74.6	94.5	57.6	36.9	30.2	3.3
April	79.4	88.1	78.5	70.6	70.8	93.8	57.5	36.3	33.8	4.2
May	77.6	84.1	75.1	69.5	71.1	93.3	56.0	37.3	27.9	3.5
June	74.7	81.7	75.3	68.3	67.8	91.6	53.3	38.3	31.8	2.8
July	76.9	85.7	77.1	65.8	68.1	94.0	53.7	40.3	36.0	8.0
August	76.1	83.8	75.2	68.3	68.5	93.4	49.4	44.0	34.1	5.6
September	75.5	88.1	69.6	61.9	62.9	92.2	44.0	48.2	47.6	11.2
October	74.2	86.7	68.2	59.3	61.8	94.0	47.3	46.7	41.6	10.0
November	75.4	87.6	67.4	61.8	63.3	92.9	50.0	42.9	37.5	10.5
December	74.9	84.6	69.6	65.0	65.2	94.4	45.5	48.9	33.0	2.5
Means	75.9	85.5	72.5	65.4	66.3	93.4	51.0	42.4	35.6	6.8

TABLE XXVI.

Amount of Cloud in 1895.—(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	1.8	1.5	1.9	1.9	2.0	4.4	3.5	4.6	4.9	4.5
February	0.9	0.9	0.8	0.8	1.0	4.4	2.8	4.0	5.6	5.2
March	0.8	0.7	0.6	0.9	1.2	6.6	6.2	7.2	6.6	6.3
April	1.4	1.0	1.4	1.5	1.7	4.2	3.5	4.2	4.6	4.6
May	0.6	0.3	1.0	0.6	0.6	4.5	4.4	4.2	4.8	4.8
June	0.2	0.0	0.1	0.2	0.6	5.3	5.1	5.6	5.9	4.6
July	0.2	0.0	0.4	0.3	0.3	4.2	3.2	3.9	5.0	4.7
August	0.0	0.0	0.1	0.0	0.0	5.7	4.5	5.6	6.5	6.3
September	0.2	0.4	0.2	0.2	0.2	5.4	4.5	5.3	6.1	5.6
October	0.5	0.5	0.2	0.5	0.8	4.9	3.1	5.0	6.1	5.6
November	0.8	1.2	0.8	0.5	0.6	4.5	2.9	5.0	5.2	4.9
December	1.0	1.1	0.7	0.9	1.3	5.5	4.5	5.5	6.0	5.9
Means	0.7	0.6	0.7	0.7	0.9	5.0	4.0	5.0	5.6	5.3

* Mean of the observations taken daily at 6 and 15 hours.
† " " " " 6, 9, 13 and 15 hours.
‡ From 12th. March to 4th. June inclusive, the observations were taken at 7 hours.

TABLE XXVII.

Mean daily Amount of Cloud in 1895. (0 = Clear and 10 = Overcast.)

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	0—10	0—10	0—10	0—10	0—10	0—10	0—10	0—10	0—10	0—10	0—10	0—10	
1	2.0	3.1	9.2	7.0	3.4	6.0	3.0	7.1	5.6	7.1	3.2	4.5	 1
2	3.1	2.7	7.5	6.0	5.0	6.6	6.6	7.4	2.7	3.6	5.6	6.0	 2
3	5.8	3.0	4.2	4.7	5.7	4.1	2.6	3.0	4.6	8.0	8.8	5.3	 3
4	7.0	5.0	5.5	6.1	9.7	4.3	6.0	2.6	8.6	6.7	8.0	3.0	 4
5	5.1	5.9	8.2	9.6	9.8	8.0	5.5	1.5	8.0	5.7	3.0	7.4	 5
6	7.6	5.3	5.4	7.6	5.4	3.9	7.0	3.0	6.7	6.9	4.8	2.7	 6
7	9.2	4.5	3.1	7.2	3.4	7.7	1.2	1.3	5.7	8.8	7.1	5.2	 7
8	3.7	3.3	5.4	10.0	8.1	7.2	4.9	3.7	4.1	8.1	8.5	1.6	 8
9	4.9	4.3	8.1	10.0	9.1	6.1	2.9	6.2	7.1	9.2	2.1	6.6	 9
10	5.0	3.6	6.3	2.6	7.1	4.6	2.2	8.7	4.1	6.7	6.0	8.6	 10
11	9.2	6.4	6.1	3.4	9.3	9.0	2.1	9.1	8.0	6.1	6.0	2.0	 11
12	7.8	2.2	10.0	0.5	2.6	8.0	3.2	9.6	4.3	3.6	5.7	7.1	 12
13	9.1	3.8	9.9	3.0	2.2	9.6	2.6	9.4	3.1	5.4	3.6	6.5	 13
14	9.1	4.8	7.5	5.2	3.0	4.0	3.1	9.4	3.9	6.5	4.3	3.3	 14
15	9.4	4.3	4.5	9.0	2.5	4.2	5.2	7.4	6.7	3.5	7.3	6.0	 15
16	9.9	3.6	4.1	6.6	3.2	3.2	5.5	7.1	2.5	6.6	9.5	1.7	 16
17	8.9	4.1	3.7	7.9	3.6	2.5	3.0	5.9	9.2	3.7	8.8	3.1	 17
18	4.6	4.1	7.1	10.0	6.1	5.9	1.9	3.4	5.2	5.4	4.6	10.0	 18
19	3.7	4.4	10.0	8.8	6.7	6.9	3.2	5.6	6.0	4.4	5.4	8.5	 19
20	5.9	6.8	10.0	9.4	3.2	0.9	4.3	8.1	5.0	5.2	4.5	8.6	 20
21	4.0	6.7	9.2	9.1	9.3	5.9	7.5	3.5	3.5	2.9	1.8	5.6	 21
22	7.5	6.6	10.0	1.4	2.1	1.1	5.0	3.5	6.7	6.8	5.5	9.0	 22
23	7.0	8.1	7.9	1.7	2.2	0.7	6.1	2.4	5.0	2.6	4.2	9.4	 23
24	6.4	8.7	10.0	2.2	3.9	3.2	2.7	5.9	6.4	3.5	5.6	9.0	 24
25	3.9	7.2	10.0	5.4	4.1	8.6	4.5	1.9	3.0	7.0	2.7	9.8	 25
26	3.8	7.2	9.5	1.9	0.7	9.2	7.8	8.0	4.5	4.2	4.5	9.7	 26
27	8.1	8.9	9.2	0.8	2.7	2.9	6.0	6.2	8.9	5.9	4.2	7.3	 27
28	6.7	8.5	9.0	2.4	9.2	2.6	2.5	5.7	5.8	3.1	3.0	7.3	 28
29	4.5		9.5	4.1	2.2	9.6	6.2	7.4	5.6	3.7	5.1	7.7	 29
30	4.0		5.6	4.9	9.9	9.6	2.6	4.9	7.9	4.9	3.4	8.0	 30
31	3.7		4.7		3.7		9.4	8.3		3.0		10.0	 31
Mean	6.2	5.3	7.4	5.6	5.1	5.5	4.4	5.7	5.7	5.4	5.3	6.5	... ... Means.

TABLE XXVIII.

Means and Extremes of Self-Registering Thermometers exposed on the Lawn in 1895.

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 ...	89.8	94.2	11	86.1	18	71.3	77.1	13	64.8	1	80.5	83.7	12	77.1	1	18.5	21.6	1	10.6	13	29.4	69.0	75.0	13	63.0	1 & 5
February ...	90.4	95.2	18	84.0	26	69.2	73.1	25	62.2	13	79.8	83.5	17	75.8	21	21.2	29.1	13	12.9	26	33.0	66.4	70.5	17 & 25	58.4	14
March ...	84.6	88.7	7	76.3	25	71.7	74.7	29	69.0	4	78.1	81.1	2	72.9	25	12.9	19.0	4	6.4	20	19.7	70.0	73.8	28	66.5	4
April ...	84.9	88.3	3	79.9	8	68.0	73.6	18	59.9	27	76.4	80.0	3	72.0	25	16.9	25.2	27	7.3	8	28.4	64.9	72.3	1	55.1	27
May ...	81.5	86.2	3	78.0	4	67.3	74.1	4	61.1	27	74.4	79.1	3	70.9	30	14.2	21.8	27	3.9	4	25.1	64.1	72.0	4	55.6	27
June ...	78.3	81.8	25	73.2	29	62.0	68.3	13	50.6	22	70.1	74.7	25	63.4	22	16.3	26.1	23	9.8	29	31.2	58.3	66.0	13	45.9	23
July ...	79.5	81.8	12	76.8	23	59.7	64.9	26	53.7	17	69.6	71.8	3	66.4	17	19.8	25.4	17	13.0	26	28.1	55.2	63.6	26	49.5	17
August ...	78.7	82.8	5	74.3	24	61.3	68.5	13	54.3	8	70.0	74.3	13	66.4	8	17.4	27.3	5	11.0	12	28.5	57.5	67.0	13	47.3	8
September ...	81.1	83.7	21 & 25	76.6	4	61.1	67.6	1	55.2	18 & 26	71.1	74.0	21	68.4	4	20.0	28.1	26	12.2	1	28.5	57.0	65.8	1	50.1	18
October ...	86.0	89.4	31	80.4	3	63.4	67.5	5	59.7	30	74.7	77.6	31	72.0	4	22.6	28.9	30	16.7	3 & 5	29.7	59.0	63.7	5	54.9	30
November ...	87.1	90.9	28	80.6	17	66.1	70.9	30	60.8	5	76.6	80.2	28	72.9	3	21.0	26.3	12	11.4	17	30.1	63.2	69.2	30	57.5	5
December ...	86.8	91.1	8	79.4	18	68.5	72.3	25	59.7	16	77.6	79.5	14 & 20	74.3	16	18.3	29.1	16	7.4	18	31.4	66.2	70.9	18	57.2	16
Means ...	84.1	87.8		78.8		65.8	71.0		59.2		74.9	78.3		71.0		18.3	25.9		10.2		28.6	62.6	69.1		55.1	

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.

* Hicks Minimum grass thermometer No. 175,616 in use till October & Casella No. 89,833 afterwards.

TABLE XXIX.

Means of Readings of a Mason's Hygrometer by Casella, exposed in a Stevenson screen on the Lawn in 1895, 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	73.2	87.5	80.3	71.6	76.1	73.8	70.4	68.8	69.6	91.0	53.8	72.4	.745	.705	.725
February ...	69.8	87.1	78.4	68.9	76.0	72.4	68.2	68.8	68.5	94.6	54.7	74.6	.690	.706	.698
March	73.9	82.8	78.3	72.7	76.7	74.7	71.9	72.6	72.2	93.7	71.6	82.6	.782	.801	.791
April	69.7	81.9	75.8	69.0	75.2	72.1	68.4	70.7	69.5	95.8	69.2	82.5	.694	.752	.723
May	69.2	78.7	73.9	67.5	72.1	69.8	66.1	67.6	66.8	90.0	68.6	79.3	.642	.675	.658
June	64.6	75.4	70.0	62.8	68.4	65.6	61.3	63.4	62.3	89.8	66.0	77.9	.544	.584	.564
July	61.6	76.3	68.9	60.7	69.0	64.8	60.0	63.8	61.9	94.6	65.8	80.2	.517	.592	.554
August... ...	62.7	75.0	68.8	61.3	68.0	64.6	60.1	63.0	61.5	91.6	66.0	78.8	.520	.576	.548
September ...	62.7	78.1	70.4	61.8	68.9	65.3	61.1	62.5	61.8	94.6	58.4	76.5	.538	.566	.552
October ...	65.5	81.8	73.6	64.5	71.6	68.0	63.7	64.7	64.2	94.0	56.0	75.0	.590	.612	.601
November ...	69.4	83.0	76.2	68.4	72.7	70.5	67.6	65.9	66.7	94.0	56.1	75.0	.675	.635	.655
December ...	71.6	83.4	77.5	70.0	74.1	72.0	68.7	67.9	68.3	91.0	59.2	75.1	.703	.683	.693
Means	67.8	80.9	74.3	66.6	72.4	69.5	65.6	66.6	66.1	92.9	62.1	77.5	.637	.657	.647

TABLE XXX.

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... ...	79.62	80.3	31	79.0	1 & 2	1.3	76.71	76.9	31	76.4	1 & 2	0.5
February ...	80.65	81.0	27 & 28	80.3	1 to 3	0.7	77.24	77.5	27 & 28	76.9	1 & 2	0.6
March	81.15	81.7	21 & 22	80.7	31	1.0	77.91	78.5	21	77.5	1 & 2	1.0
April	80.38	80.6	1	80.2	30	0.4	78.67	78.7	15 to 18	78.4	1	0.3
May	79.64	80.2	2	79.0	31	1.2	78.53	78.6	1 to 8	78.4	19 to 31	0.2
June	78.23	79.0	1 & 2	77.3	30	1.7	78.25	78.4	1 to 6	78.0	25 to 30	0.4
July	76.54	77.2	1 & 2	75.9	31	1.3	77.76	78.0	1	77.4	31	0.6
August	75.45	75.9	1 to 4	75.1	30 & 31	0.8	77.21	77.4	1 to 5	76.9	31	0.5
September ...	75.33	75.6	30	75.1	1	0.5	76.63	76.9	1 & 2	76.4	30	0.5
October... ...	75.87	76.4	31	75.6	1 to 11	0.8	76.23	76.4	1	76.1	28 to 31	0.3
November ...	77.09	77.7	30	76.4	1	1.3	76.26	76.4	30	76.1	1	0.3
December ...	78.39	79.0	30 & 31	77.7	1	1.3	76.53	76.7	30 & 31	76.4	1 to 6	0.3
Means	78.19	78.7		77.7		1.0	77.33	77.5		77.1		0.5

TABLE XXXI.

Means and Extremes of the Readings of Solar Thermometers in Vacuo in the Sun's rays in 1895.

Months.	Hicks No. 211,682.					Hicks No. 508,310.				
	Means.	Maximum.	Date.	Minimum.	Date.	Means.	Maximum.	Date.	Minimum.	Date.
	°	°		°		°	°		°	
January	150.1	157.5	11	142.0	1	156.4	164.2	11	147.8	1
February	149.8	156.4	18	131.3	21	156.0	162.5	18	136.7	21
March	140.0	153.2	23	100.0	20	146.7	160.4	23	103.0	20
April	139.8	151.9	4	98.0	8	147.0	159.7	21	101.4	8
May	133.8	147.2	3	113.7	4	140.7	154.3	3	118.6	4
June	131.0	140.0	8	110.7	26	137.9	148.0	8	114.8	26
July	133.5	142.2	29	127.2	23	140.7	150.7	29	133.8	23
August	135.1	142.0	2	126.7	10	142.6	149.6	2, 13, 17	132.9	10
September	138.8	143.8	20 & 27	128.0	4	146.3	151.4	20	134.7	4
October	146.4	152.6	16	138.4	7	153.0	159.4	16	145.0	7
November	146.3	153.9	29	141.6	2	152.5	160.1	29	147.2	2
December	145.9	153.7	5	121.8	18	152.4	160.7	14	128.6	18
Means	140.9	149.5		123.3		147.7	156.7		128.7	

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°. 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.

METEOROLOGICAL OBSERVATIONS.

TABLE XXXII.

Amount of Solar Radiation in 1895.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°	°	°	°	°	°	°	°	°	°	°	°
1	52.6	60.4	51.2	61.0	52.0	58.7	51.3	52.3	54.5	61.5	54.9	58.2
2	58.0	59.5	64.6	60.9	54.1	52.7	49.8	59.3	57.9	57.9	54.9	60.2
3	65.1	60.8	60.5	54.1	61.0	57.0	51.3	58.0	54.8	63.3	60.7	55.4
4	59.7	61.7	59.2	64.7	35.7	54.9	54.5	52.7	51.4	59.6	57.2	55.5
5	59.2	66.1	45.0	49.2	54.9	54.0	53.1	54.7	56.3	61.5	59.3	66.3
6	65.9	58.8	61.3	63.6	57.0	58.0	57.6	55.7	55.6	61.3	59.4	57.7
7	66.3	61.9	59.9	56.7	54.7	53.4	55.0	52.5	59.2	56.1	60.8	62.9
8	59.2	58.3	62.2	18.1	56.6	59.4	53.3	54.2	56.6	57.6	59.8	52.9
9	65.3	59.5	62.0	40.0	47.3	52.5	52.2	50.4	61.5	60.9	54.0	63.5
10	64.4	58.9	61.3	52.0	57.8	54.1	53.5	50.5	59.7	63.0	56.0	48.3
11	63.3	61.3	63.7	55.5	43.0	53.8	50.2	65.9	59.9	63.4	58.0	54.2
12	58.4	58.6	31.1	50.7	55.5	55.0	55.3	52.7	55.5	60.6	60.9	66.3
13	55.3	63.0	63.2	57.8	56.0	52.7	52.9	61.5	58.3	62.6	59.1	61.7
14	56.8	60.5	61.3	56.3	52.5	54.2	50.6	56.0	60.0	62.3	60.4	64.9
15	57.1	61.1	61.1	59.4	51.8	55.3	57.8	55.0	60.7	59.7	56.0	63.2
16	60.3	59.6	64.8	63.4	53.3	52.0	56.8	55.9	55.3	66.2	59.5	53.4
17	60.5	59.2	61.4	61.7	50.8	47.5	55.2	61.8	53.1	55.0	62.8	59.1
18	57.0	61.2	61.1	33.2	57.4	57.8	49.2	58.9	59.3	63.1	61.9	42.4
19	60.9	59.3	44.6	53.3	53.5	50.0	53.9	59.3	61.1	62.6	62.1	63.9
20	59.5	61.1	22.3	63.9	53.0	48.2	53.4	56.4	61.7	60.6	62.3	60.7
21	58.8	46.7	42.1	65.4	44.4	49.9	60.6	56.8	57.1	56.6	57.2	65.6
22	60.3	51.5	38.5	54.7	53.3	49.8	56.4	54.5	54.2	59.4	63.4	62.0
23	60.4	61.7	66.5	54.4	56.5	48.2	50.4	58.7	57.3	55.6	61.4	58.2
24	61.5	63.4	59.6	61.2	55.7	54.6	53.3	57.0	59.5	57.6	61.9	59.9
25	59.5	56.2	42.9	54.6	55.4	53.5	55.6	52.2	52.0	62.5	54.2	61.9
26	59.1	59.3	52.2	53.2	52.2	53.8	55.4	61.2	58.5	61.2	64.5	64.5
27	61.8	56.9	57.3	51.9	48.1	46.9	57.3	62.6	60.5	58.6	59.6	56.1
28	61.8	57.1	56.7	56.7	51.1	56.4	50.9	55.5	60.0	62.3	56.3	64.2
29	61.0		57.9	60.4	53.4	53.8	62.7	56.8	56.6	57.5	59.4	60.3
30	60.1		61.0	58.8	40.9	52.9	51.1	54.6	61.8	61.2	58.0	58.0
31	58.8		60.9		53.8		53.8	54.8		60.6		50.8
Means	60.3	59.4	55.4	54.9	52.3	52.7	54.0	56.4	57.7	60.4	59.2	59.1

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 maximum temperature in Stevenson's Screen.

METEOROLOGICAL OBSERVATIONS.

TABLE XXXIII.

Amount of Evaporation in 1895.

Months.	Total Evaporation.	Mean daily Evaporation.	Rainfall.	Excess of Evaporation over Rainfall.
	Inches.	Inch.	Inches.	Inches.
January	11.725	0.378	2.175	+ 9.550
February	7.910	*.293	2.110	+ 5.800
March	5.065	*.188	14.695	— 9.630
April	4.300	.143	3.330	+ 0.970
May	4.735	.153	2.615	+ 2.120
June	3.525	.117	2.775	+ 0.750
July	3.515	.113	1.345	+ 2.170
August	4.350	.140	4.620	— 0.270
September	5.045	.168	0.845	+ 4.200
October	6.935	.224	0.695	+ 6.240
November	7.535	.251	2.555	+ 4.980
December	6.875	.222	7.345	— 0.470
Totals and Means	71.515	.199	45.105	+26.410

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.

* Mean for 27 days.

TABLE XXXIV.

Daily Duration of Bright Sunshine during the year 1895.

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	12.0	91	9.7	75	6.1	49	8.4	71	9.9	88	6.4	59	10.1	93	5.6	50	7.8	67	8.3	68	11.5	90	9.0	68
2	11.7	89	11.6	90	9.7	78	9.6	81	9.2	81	7.8	72	4.7	43	4.5	40	10.2	87	10.8	89	8.8	69	10.8	82
3	11.0	83	10.4	81	10.7	86	8.5	72	8.0	71	9.6	88	7.2	66	8.1	72	5.9	50	5.3	43	3.9	30	10.1	77
4	10.8	82	10.7	83	8.5	69	7.3	62	.1	1	7.2	66	8.2	75	6.6	59	1.7	15	9.7	79	8.4	65	11.4	86
5	8.7	66	7.7	60	2.9	23	2.3	19	2.1	19	8.1	74	6.4	59	10.5	94	4.9	42	9.5	77	11.4	88	3.8	29
6	5.8	44	10.9	85	10.7	87	7.5	64	8.4	75	8.8	81	5.1	47	6.3	56	8.3	70	4.6	37	7.3	57	11.2	85
7	4.2	32	9.3	73	11.1	90	9.2	79	9.0	80	6.0	55	10.1	93	10.3	91	10.5	89	6.4	52	8.8	68	10.9	83
8	11.5	87	11.7	91	8.4	68	.0	0	4.9	44	6.4	59	8.7	80	9.3	82	8.5	72	8.8	72	7.4	57	11.1	84
9	11.4	86	10.2	80	6.2	50	.0	0	1.5	13	4.5	41	9.8	90	2.8	25	8.7	75	4.1	33	11.1	86	7.6	58
10	10.0	76	10.7	84	8.6	70	10.1	86	6.4	57	8.7	80	10.2	94	.6	5	9.6	81	6.2	50	11.7	91	2.0	15
11	8.4	64	6.5	51	8.9	73	10.3	88	2.9	26	6.6	61	10.1	93	2.1	19	3.7	31	8.0	65	10.8	84	10.3	78
12	9.7	73	10.9	86	.0	0	10.3	89	10.2	92	3.8	35	9.6	88	1.6	14	10.8	91	11.1	90	11.2	86	3.0	23
13	4.4	33	10.8	85	2.4	20	7.6	66	10.3	93	1.5	14	10.0	92	5.3	47	10.5	88	7.6	61	11.9	92	3.5	26
14	7.7	58	7.3	57	5.9	48	9.6	83	10.0	90	8.6	79	9.9	91	5.6	50	8.8	74	6.9	56	11.3	87	11.1	83
15	4.1	31	9.8	77	8.1	66	6.6	57	10.0	90	8.9	82	8.2	75	7.5	66	5.2	44	10.0	80	3.4	26	11.0	83
16	1.9	15	10.1	80	8.2	68	5.6	48	8.8	79	9.0	83	9.4	85	6.6	58	10.4	87	7.9	63	1.7	13	10.6	80
17	10.6	81	11.1	87	9.6	79	7.1	61	9.9	89	9.7	89	9.9	90	8.4	74	1.8	15	10.9	87	4.4	34	11.0	83
18	9.2	70	10.3	81	8.5	70	.0	0	8.5	77	6.2	57	9.0	82	9.7	85	8.9	74	7.0	56	10.3	79	.0	0
19	10.6	81	11.5	91	.2	2	.9	8	7.9	71	5.3	49	7.8	71	9.2	81	7.1	59	9.7	77	11.2	86	5.5	41
20	4.2	32	4.7	37	.0	0	2.6	23	10.0	91	10.2	94	6.1	55	3.5	30	9.7	81	6.5	52	9.9	76	6.1	46
21	10.9	83	1.9	15	.9	7	5.7	50	.5	5	7.5	69	7.5	68	10.1	88	10.5	87	10.1	80	11.3	86	11.3	85
22	9.7	75	2.6	21	.0	0	10.2	89	9.6	87	9.9	91	9.2	83	9.0	78	3.3	27	7.3	58	8.9	68	8.1	61
23	11.6	89	5.2	41	7.2	60	10.3	90	9.9	90	10.3	94	9.1	82	8.1	70	8.2	68	10.8	86	10.7	82	3.2	24
24	10.6	82	4.3	34	.4	3	10.3	90	9.4	85	8.0	73	10.1	91	7.7	67	9.3	77	11.2	88	10.5	80	4.6	35
25	10.5	81	6.3	50	.0	0	9.4	82	9.0	82	3.0	28	6.2	56	10.3	90	10.8	89	10.8	85	10.9	83	2.4	18
26	11.3	87	5.3	42	.6	5	8.4	74	9.9	90	.7	6	3.5	32	5.8	50	9.4	78	11.3	88	10.9	83	2.5	19
27	10.4	80	4.9	39	3.7	31	9.4	82	9.5	86	9.5	87	7.1	64	5.9	51	7.8	64	10.6	83	9.1	69	8.6	65
28	9.5	73	3.2	26	4.5	38	9.5	83	1.9	17	9.6	88	9.9	89	7.5	65	10.0	82	9.5	74	11.8	89	6.6	50
29	10.0	77			4.7	39	7.8	69	9.1	83	2.4	22	4.4	39	6.3	54	11.2	92	9.6	75	10.4	79	7.3	55
30	10.6	82			8.3	70	6.1	54	.1	1	1.9	17	10.3	92	8.5	73	7.0	57	11.0	86	11.5	87	5.0	38
31	9.5	74			9.8	82			7.3	66			3.7	31	6.8	58			10.4	81			.2	2
Totals and Means.	282.5	70	229.6	64	171.8	46	210.6	61	224.2	65	206.1	63	251.5	74	209.1	59	240.5	67	271.9	70	282.4	72	219.8	54

The above and following tables have been compiled from the daily records of an improved "Cambell 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 XXXV.

Total Amount of Bright Sunshine registered in each hour of the day for each Month of the year 1895.

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	...	14.8	23.6	26.0	26.2	27.7	26.2	25.2	26.0	25.5	23.6	22.1	15.4	0.2	282.5	406.3	70
February...	...	14.8	24.3	23.1	20.9	20.6	19.8	19.1	20.0	19.6	18.8	17.6	11.0	...	229.6	355.7	64
March	...	2.5	13.5	18.2	17.0	17.8	17.5	17.1	18.4	18.3	16.1	12.8	5.6	...	174.8	376.5	46
April	...	3.8	21.5	22.7	22.3	23.5	23.6	22.6	23.0	18.4	15.5	12.7	1.0	...	210.6	347.3	61
May	...	0.4	17.3	22.9	26.2	23.6	24.3	24.8	23.3	21.6	20.3	18.0	1.5	...	224.2	344.3	65
June	...	0.1	11.8	18.5	21.1	22.2	22.3	22.5	22.4	22.9	21.3	19.7	1.3	...	206.1	327.0	63
July	...	0.6	24.1	26.4	27.5	28.2	27.7	24.7	24.2	23.6	23.2	19.1	2.2	...	251.5	340.9	74
August	...	3.5	18.8	19.2	21.4	23.0	21.3	20.4	22.0	20.4	20.5	17.9	1.7	...	209.1	353.2	59
September	...	5.1	21.8	22.8	23.0	22.7	23.3	23.6	22.4	23.8	22.8	20.7	8.5	...	240.5	358.2	67
October	...	14.5	27.0	27.7	27.0	27.3	26.4	25.7	23.4	23.4	23.1	17.2	9.2	...	271.9	387.5	70
November	...	17.0	25.7	26.6	25.7	25.1	26.1	26.1	24.8	23.6	23.0	22.8	15.9	...	282.4	389.8	72
December	...	13.0	20.1	21.9	22.3	20.6	21.1	21.3	21.1	18.8	16.0	12.9	10.7	...	219.8	411.3	53

The hours are reckoned from apparent midnight.

TABLE XXXVI.

Monthly Rainfall in 1895, with the Means for the period 1875-1895, as recorded by Glaisher's Raingauge.

Months.	1875-1895.				1895.				Excess or defect in 1895.	
	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	7.25	19	4.50	6—1888	2.14	17	0.54	21	— 5.11	— 2
February...	6.06	19	7.32	13— 92	2.97	14	1.30	23	— 3.09	— 5
March	8.73	21	7.45	21— 79	24.11	26	4.54	25	+ 15.38	+ 5
April	5.80	18	3.97	15— 76	2.62	12	1.27	20	— 3.18	— 6
May	4.00	16	11.24	7— 84	3.09	21	0.68	1	— 0.91	+ 5
June	2.04	17	1.18	6— 85	2.85	19	0.43	5	+ 0.81	+ 2
July	2.32	18	2.06	11— 78	1.12	9	0.57	26	— 1.20	— 9
August	2.28	20	1.06	1— 89& 13— 95	4.66	21	1.06	13	+ 2.38	+ 1
September	1.43	15	1.10	22— 82	0.83	15	0.16	6	— 0.60	0
October	1.68	13	1.83	29— 75	0.64	11	0.19	19	— 1.04	— 2
November..	1.94	12	2.04	24— 77	2.58	15	0.72	5	+ 0.64	+ 3
December...	5.18	17	4.39	23— 78	6.55	16	2.61	19	+ 1.37	— 1
Totals	48.71	205			54.16	196			+ 5.45	— 9

TABLE XXXVII.

Daily Rainfall in inches during the year 1895.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	.....	.....	0.015	0.175	.....	0.090	.....	.....	0.035	0.040	0.090	.....
2	0.010	.....	.100	.165	0.170	.....	.....	0.035	.....	.....	.....	.....
3	.....	0.040	.....	.....	.155	.070	0.235	.....	.....	.190	.230	.....
4	.....	.....	.260	.....	.230	.310	.....	.....	.....	.040	.705	.....
5	.....	.220	1.930	.120	.065	.400	.....	.....	.185	.025	.030	0.090
6	.....	.040	.....	.....	.....	.140	.....	.....	.035	.030	.110	.035
7	.....	.045	.....	.....	.070	.005	.....	.....	.025	.....	.010	.....
8	.....	.....	0.660	.465	.010	.005	.080	.....	.025	.....	.040	.....
9	.....	.070	.100	.295	.070	.055	.030	.160	.150	.....	.....	.....
10	.....	.....	.145	.....	.....	.055	.....	.190	.....	.010	.....	1.000
11	.....	.080	.....	.....	.....	.595	.....	1.070	.030	.....	.....	.....
12	.195	.....	.560	.....	.....	.025	.....	0.660	.....	.....	.....	.....
13	.330	.....	.520	.....	.040	.080	.....	.750	.....	.....	.....	0.095
14	.065	.....	1.520	.....	.....	.065	.....	.520	.....	.030	.....	.135
15	.....	.....	0.030	.....	.....	.....	.....	.155	.115	.....	.320	.....
16	.185	.....	.830	.030	.....	.200	.....	.130	.....	.....	.040	.....
17	.295	.165	1.660	.040	.....	.010	.....	.020	.....	.....	.250	.....
18	.....	.045	0.280	.....	.210	.....	.....	.075	.....	.200	.500	1.305
19	.235	.040	3.240	1.310	.345	.065	.020	.075	.050	.....	.....	1.555
20	.540	.420	1.595	0.020	.050	.....	.....	.325	.....	.....	.....	.....
21	.....	.085	0.320	.....	.175	.080	.045	.020	.020	.....	.....	.....
22	.025	1.345	.835	.....	.185	.....	.025	.....	.025	.020	.....	0.070
23	.....	.....	.400	.....	.090	.....	.035	.....	.030	.....	.170	1.975
24	.....	.....	3.340	.....	.190	.....	.....	.....	.....	.....	.....	0.125
25	.085	0.030	2.840	.065	.070	.....	.510	.....	.055	.060	.....	.095
26	.....	.275	0.350	.....	.....	.....	.090	.070	.....	.....	.....	.145
27	.....	.130	1.505	.....	.....	.....	.055	.020	.040	.....	.035	.....
28	.120	.410	0.850	.....	.270	.....	.....	.....	.....	.....	.....	.....
29	.025		.080	.....	.....	.450	.....	.235	.....	.....	.050	.....
30	.040		.030	.710	.045	.120	.020	.035	.....	.....	.065	.040
31	.025		.050		.130		.200	.075		.....		.130
Totals ...	2.175	3.440	24.045	3.395	2.570	2.820	1.345	4.620	0.820	0.645	2.645	6.795

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 XXXVIII.

Hourly Rainfall in inches during the year 1895.

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 ...	0.235	2—10	5	0.015	0—20	1	0.295	3—45	8	0.085	1—10	2	0.060	0—50	3	0.080	1—47	6	0.290	1—10	3
1 ...	.125	1—15	4	.000	0—00	0	.655	5—47	10	.075	1—10	2	.095	0—50	3	.095	1—26	4	.055	0—50	1
2 ...	.075	0—10	1	.095	1—32	4	.970	6—45	10	.110	1—34	4	.125	1—15	3	.060	1—02	4	.000	0—00	0
3 ...	.035	0—35	3	.100	1—37	5	1.055	5—47	11	.050	1—17	3	.150	1—45	6	.120	1—45	5	.010	0—15	1
4 ...	.060	1—00	3	.030	0—10	1	1.220	6—14	11	.165	1—10	2	.050	1—25	6	.055	0—37	3	.000	0—00	0
5 ...	.005	0—30	1	.075	0—45	2	0.795	6—15	11	.060	1—40	2	.045	0—25	2	.105	1—35	5	.000	0—00	0
6 ...	.055	0—25	2	.130	2—15	5	.590	4—42	9	.055	1—15	2	.060	1—20	3	.265	2—12	4	.010	0—10	1
7 ...	.070	0—20	1	.125	0—45	2	1.410	5—55	10	.045	0—25	2	.265	2—20	5	.175	2—20	4	.005	0—05	1
8 ...	.045	0—10	1	.000	0—00	0	2.750	7—30	12	.015	0—15	1	.095	1—50	5	.125	1—27	3	.010	0—05	1
9 ...	.085	0—30	2	.060	0—15	1	1.790	4—37	11	.135	0—40	2	.100	1—20	3	.040	0—50	1	.030	0—25	2
10 ...	.010	0—25	1	.210	1—10	2	1.755	2—45	8	.020	0—07	1	.105	0—52	3	.025	0—25	2	.135	1—40	4
11 ...	.000	0—00	0	.200	1—42	4	1.040	4—45	11	.920	1—10	4	.030	0—20	2	.160	1—07	5	.025	0—27	2
12 ...	.210	1—30	3	.405	1—20	3	1.105	3—40	6	.010	0—15	1	.045	0—25	2	.130	0—30	1	.000	0—00	0
13 ...	.085	0—50	2	.910	1—42	4	1.050	4—05	6	.035	0—42	3	.250	2—05	5	.115	0—55	2	.000	0—00	0
14 ...	.115	0—35	1	.165	2—20	4	0.225	2—45	6	.305	1—10	3	.130	1—20	4	.030	0—40	2	.170	0—40	3
15 ...	.230	1—05	3	.300	0—20	1	.135	1—32	5	.410	1—45	3	.000	0—00	0	.055	0—40	3	.185	0—50	1
16 ...	.075	0—30	2	.330	2—05	4	.525	3—27	9	.385	2—00	3	.000	0—00	0	.095	1—30	4	.030	0—29	3
17 ...	.080	0—25	1	.055	0—45	2	.295	1—45	5	.315	1—37	2	.115	0—32	2	.075	0—55	3	.010	0—10	1
18 ...	.035	0—45	2	.015	0—10	1	1.740	1—54	5	.020	1—00	1	.005	0—07	1	.030	0—30	1	.015	0—15	1
19 ...	.105	0—57	3	.045	0—55	2	0.930	4—10	7	.035	1—00	1	.180	1—15	4	.075	0—55	2	.010	0—10	1
20 ...	.295	2—05	6	.075	1—12	2	.235	3—07	5	.075	2—45	4	.225	1—45	4	.080	0—37	3	.025	0—20	1
21 ...	.060	0—30	2	.090	1—50	3	1.485	4—27	7	.020	1—10	2	.145	1—40	5	.285	1—20	4	.030	0—27	2
22 ...	.065	1—00	1	.000	0—00	0	1.320	4—55	8	.025	1—00	1	.155	1—35	5	.115	1—47	7	.005	0—25	1
23 ...	.020	0—15	2	.010	0—20	1	0.675	3—00	4	.025	1—00	1	.140	2—15	4	.430	1—55	6	.295	1—45	2
Totals.	2.175	17—57	52	3.440	23—30	54	24.045	103—34	195	3.395	27—17	52	2.570	27—31	80	2.820	28—47	84	1.345	10—38	32

TABLE XXXVIII.—(*Continued.*)

Hourly Rainfall in inches during the year 1895.

Hours.	August.			September.			October.			November.			December.			Means.		
	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 ...	0.190	2—00	3	0.045	0—27	3	0.000	0—00	0	0.015	1—00	2	0.565	2—30	4	0.156	1—26	3
1 ...	.040	1—15	4	.025	1—08	2	.030	0—10	1	.350	3—09	7	1.395	1—55	3	.245	1—35	3
2 ...	.035	0—37	4	.000	0—00	0	.000	0—00	0	.100	2—05	4	0.220	2—15	3	.149	1—26	3
3 ...	.110	2—02	5	.015	0—22	2	.000	0—00	0	.190	1—58	4	.090	1—50	3	.160	1—36	4
4 ...	.075	1—05	4	.030	0—50	3	.000	0—00	0	.125	2—10	5	1.180	3—15	5	.249	1—30	4
5 ...	.470	4—15	8	.075	1—00	4	.010	0—10	1	.210	2—20	5	0.345	3—10	4	.183	1—50	4
6 ...	.575	3—22	7	.130	1—12	5	.050	0—25	1	.060	2—45	4	.035	0—55	2	.168	1—45	4
7 ...	.300	2—05	5	.115	1—12	4	.000	0—00	0	.005	0—07	1	.170	0—50	3	.224	1—22	3
8 ...	.250	2—20	4	.050	0—50	3	.050	0—32	2	.005	0—30	1	.110	0—20	2	.292	1—19	3
9 ...	.420	3—55	8	.055	0—50	2	.150	0—40	1	.015	0—30	2	.130	0—55	3	.251	1—17	3
10 ...	.620	2—25	6	.060	0—50	3	.000	0—00	0	.000	0—00	0	.330	0—55	2	.272	0—58	3
11 ...	.070	1—00	2	.020	0—30	2	.030	0—12	1	.000	0—00	0	.610	2—22	5	.259	1—08	3
12 ...	.205	1—15	4	.030	0—45	1	.000	0—00	0	.220	1—15	2	.100	1—20	3	.205	1—01	2
13 ...	.115	1—17	5	.015	0—10	1	.000	0—00	0	.100	1—10	2	.050	1—00	2	.227	1—10	3
14 ...	.265	2—10	7	.015	0—35	1	.000	0—00	0	.025	0—35	1	.070	1—00	1	.126	1—09	3
15 ...	.135	2—10	8	.000	0—00	0	.210	0—30	2	.685	0—50	2	.125	1—20	2	.206	0—55	2
16 ...	.145	1—55	8	.000	0—00	0	.010	0—10	1	.095	0—55	2	.460	1—35	2	.179	1—13	3
17 ...	.085	0—15	1	.005	0—07	1	.000	0—00	0	.030	0—45	1	.280	2—37	5	.112	0—49	2
18 ...	.050	0—57	2	.015	0—10	1	.000	0—00	0	.085	1—20	3	.110	2—15	4	.177	0—47	2
19 ...	.085	0—52	4	.000	0—00	0	.000	0—00	0	.150	1—22	4	.015	1—35	2	.136	1—06	2
20 ...	.060	0—37	3	.045	0—30	1	.000	0—00	0	.070	1—30	2	.025	1—12	2	.101	1—18	3
21 ...	.085	1—07	4	.075	0—55	2	.020	0—10	1	.010	0—07	1	.025	1—35	3	.194	1—16	3
22 ...	.115	1—35	3	.000	0—00	0	.035	0—12	1	.070	1—05	3	.000	0—00	0	.159	1—08	2
23 ...	.120	1—45	6	.000	0—00	0	.050	1—25	3	.030	0—20	1	.355	1—30	3	.179	1—17	3
Totals ...	4.620	42—16	115	0.820	12—23	41	0.645	4—36	15	2.645	27—48	59	6.795	38—11	68	4.609	30—21	70

METEOROLOGICAL OBSERVATIONS.

TABLE XXXIX.

Greatest Rainfall in one day and greatest intensities in 1895.

Months.	Greatest fall in one day.	Day.	Greatest intensities of Rainfall.					
	Inches.		Inch.		H. M.		H. M.	
January	0.540	20	0.070	from	8—10	to	8—15	on 13th.
February	1.345	22	0.740	„	12—05	„	12—50	„ 22nd.
March...	3.340	24	0.860	„	17—45	„	18—00	„ 5th.
April	1.310	19	0.830	„	10—22	„	10—37	„ 19th.
May	0.345	19	0.165	„	18—51	„	19—06	„ 22nd.
June	0.595	11	0.110	„	11—40	„	11—50	„ 29th.
July	0.510	25	0.140	„	13—35	„	13—50	„ 25th.
August	1.070	11	0.200	„	8—58	„	9—10	„ 11th.
September	0.185	5	0.050	„	6—15	„	6—20	„ 9th.
October	0.200	18	0.190	„	14—40	„	14—52	„ 18th.
November	0.705	4	0.660	„	14—25	„	15—00	„ 4th.
December	1.975	23	0.750	„	0—10	„	0—35	„ 19th.

TABLE XL.

Daily Amount of Ozone.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	4.5	2.	5.	5.	7.	6.	7.	5.	7.	2.	1.	3.
2	5.	[illegible].	3.	5.	4.	6.	6.	6.	5.	3.	.0	4.
3	4.5	3.	3.5	2.	5.	4.	5.	4.5	3.	4.	.5	3.5
4	5.	2.5	5.5	1.	5.5	6.	6.	5.5	4.	5.	1.	4.
5	4.	4.5	4.	2.	7.	6.	5.	5.	3.5	4.	.0	5.5
6	1.	4.5	6.	1.	4.5	5.5	4.	3.	3.	3.5	1.	5.
7	2.5	3.	4.5	5.5	4.5	5.	4.5	6.	5.	5.	4.	4.
8	2.	.0	5.	3.	6.	2.	2.	6.	5.5	5.	5.	3.
9	2.	5.	4.5	2.	7.	2.5	4.5	3.	2.	4.	2.	4.
10	3.	3.	5.	2.	5.	5.5	4.	7.	1.	3.5	1.	5.
11	4.	3.	4.	4.	4.	6.	2.	7.	2.	3.	1.	5.5
12	5.	2.	3.5	5.	4.5	2.5	5.	7.	4.5	3.5	1.	4.
13	4.5	2.5	3.	1.	4.	1.	4.	6.	5.	2.	4.	4.5
14	4.5	3.	5.	3.	3.5	5.	3.5	6.5	6.5	4.	4.5	5.
15	5.	3.	5.5	4.	4.5	5.5	3.	6.	6.5	4.	4.	5.
16	5.5	2.5	3.5	5.	3.5	5.	2.5	6.	3.	5.	2.	3.5
17	3.	2.	1.	6.	4.	3.	3.5	6.5	4.5	1.	2.	4.
18	1.	2.	6.	6.	5.	1.5	2.	6.	5.	4.	3.	6.
19	0.	3.	7.	2.	6.	6.	2.5	5.5	3.5	5.5	4.	5.
20	0.	1.	6.	5.	6.5	5.	2.	6.5	3.	3.5	2.	4.
21	4.	4.5	3.	7.	7.	5.5	3.	5.5	2.	5.	3.	4.5
22	4.	3.5	3.5	6.	5.5	1.	5.5	6.	1.5	5.	3.	3.
23	4.	5.	4.5	2.	6.	5.	6.	5.	3.	6.	4.	6.
24	3.	6.	5.	4.	5.	6.	3.	4.5	5.	5.	1.	5.5
25	4.5	3.	6.	5.	6.	3.	6.	6.	5.	4.5	2.	5.
26	3.5	4.	3.	4.	4.5	3.	8.	5.5	5.	5.	4.	5.
27	4.5	3.	2.	4.	5.	4.5	7.	5.	5.	1.	3.5	5.5
28	4.5	2.	1.	4.	6.	1.5	7.	6.	4.5	1.	3.5	4.
29	4.		5.	5.	6.5	7.	5.5	6.	3.	0.	5.	5.
30	4.		6.	4.	7.	5.	6.	6.	3.	0.	5.5	6.
31	3.5		4.		6.		3.5	6.5		0.		5.
Means	3.5	3.0	4.3	3.8	5.3	4.3	4.5	5.7	4.0	3.5	2.6	4.6

The Ozone test papers used are those supplied by Negretti and Zambra. They are exposed in a Clark's wire gauze 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.

TABLE XLI.

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 ...	...	1	...	7	17	27	57	102	46	75	160	97	25	19	8	12	2	6	...	9	4	20	18	15	2	3	1	6	3	2	...	...	...	744
February ...	4	3	3	6	6	7	36	44	46	88	170	104	47	23	21	7	5	1	3	1	2	8	12	6	6	3	2	1	2	1	1	1	2	672
March ...	1	...	8	48	42	48	99	115	115	142	105	17	1	...	...	1	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	744
April ...	...	...	...	1	2	14	34	90	75	73	170	101	31	39	9	2	10	6	...	4	7	4	28	15	2	...	...	...	...	3	...	...	...	720
May ...	...	...	2	1	1	2	8	28	82	145	271	104	31	28	18	14	6	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	744
June ...	...	...	...	...	1	...	2	13	38	110	249	175	67	24	21	9	10	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	720
July ...	...	...	...	...	1	1	10	10	22	110	304	160	51	40	17	1	...	2	1	1	1	5	6	...	...	...	...	1	...	...	...	...	...	744
August ...	...	...	...	...	...	3	15	23	99	160	195	124	59	39	6	4	3	...	4	...	3	3	4	...	...	...	...	...	...	...	...	...	...	744
September ...	...	1	...	...	...	1	30	66	56	147	217	158	19	12	1	1	1	...	...	...	...	...	...	1	1	1	...	1	...	...	2	4	...	720
October ...	3	4	3	18	8	17	67	68	52	104	187	111	41	13	5	3	...	1	2	7	...	2	...	...	1	14	3	...	2	...	3	4	1	744
November ...	11	8	7	7	19	54	98	97	35	89	127	75	20	16	5	6	...	...	...	...	...	...	1	8	1	2	10	4	8	2	6	2	2	720
December ...	6	6	6	29	1	11	57	130	135	125	95	40	9	36	15	7	5	14	2	2	...	...	...	1	...	2	1	...	1	1	5	1	1	744
Totals ...	25	23	29	117	98	185	513	786	801	1368	2250	1266	401	289	126	67	43	31	12	26	19	42	69	46	13	25	17	13	16	9	17	12	6	8760
Percentages ...	0.29	0.26	0.33	1.34	1.12	2.11	5.86	8.97	9.14	15.62	25.68	14.45	4.58	3.30	1.44	0.76	0.49	0.35	0.14	0.30	0.22	0.48	0.79	0.53	0.15	0.29	0.19	0.15	0.18	0.10	0.19	0.14	0.07	100.01

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

TABLE XLII.

Observed Mean Hourly Velocity of the Wind in 1895.

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 ...	9.8	6.2	10.1	6.3	10.0	10.4	7.4	9.9	7.9	6.6	7.3	9.0	8.4
1 ...	9.3	5.6	9.8	6.2	9.7	10.3	7.4	9.9	7.9	6.6	7.0	8.7	8.2
2 ...	9.3	5.6	10.2	6.3	10.0	10.4	7.1	9.9	7.6	6.8	7.0	8.9	8.3
3 ...	9.6	6.0	10.2	6.2	9.7	10.5	6.5	9.9	7.7	6.1	7.0	8.6	8.2
4 ...	9.6	6.0	9.5	6.4	10.0	10.1	6.6	10.0	7.3	6.5	7.0	8.5	8.1
5 ...	10.0	6.4	9.2	6.8	10.1	10.3	6.9	9.4	8.1	6.7	7.5	8.7	8.3
6 ...	9.8	5.6	9.9	6.3	11.1	10.7	7.4	10.3	7.6	6.7	7.6	8.5	8.5
7 ...	11.2	6.3	10.8	6.3	10.9	10.1	7.6	10.0	8.1	8.4	9.3	10.6	9.1
8 ...	14.7	9.4	13.2	8.3	13.0	11.4	9.2	12.3	11.5	11.8	12.5	13.5	11.7
9 ...	15.0	11.2	14.0	10.1	15.4	14.5	12.3	16.2	14.8	13.3	13.2	14.7	13.7
10 ...	16.2	12.1	15.1	11.2	17.9	17.5	14.2	17.7	15.1	13.9	13.6	15.4	15.0
11 ...	16.9	12.5	15.2	11.4	18.2	17.6	15.0	18.4	15.2	14.2	14.0	15.3	15.3
12 ...	17.3	13.1	16.2	12.0	18.4	18.5	15.5	17.5	15.9	14.5	14.7	16.1	15.8
13 ...	17.5	13.3	15.1	12.0	18.5	18.2	14.9	17.5	15.5	14.4	14.6	15.8	15.6
14 ...	17.9	13.6	15.1	12.1	18.3	18.6	14.9	18.1	15.6	14.4	14.6	15.7	15.7
15 ...	16.9	13.8	14.8	10.7	17.0	17.2	13.8	17.7	14.8	14.0	13.8	15.2	15.0
16 ...	16.8	13.4	13.9	10.4	16.1	16.1	13.7	17.4	14.2	13.2	13.3	15.1	14.5
17 ...	15.2	12.1	13.1	9.2	12.9	13.1	10.8	15.0	12.9	12.0	12.0	13.7	12.7
18 ...	13.8	10.9	11.6	7.1	11.2	10.8	8.7	12.0	9.9	9.7	10.3	12.8	10.7
19 ...	11.0	8.2	9.8	6.6	11.2	10.4	8.1	11.2	7.8	7.7	7.9	10.0	9.2
20 ...	9.4	7.4	9.6	6.5	10.9	10.5	8.4	11.0	8.5	7.4	7.2	9.7	8.9
21 ...	9.0	7.0	9.6	6.4	10.9	9.6	8.3	11.2	7.8	7.1	7.1	9.4	8.6
22 ...	9.0	6.3	9.7	6.6	10.3	10.1	7.8	10.8	7.7	6.5	7.3	9.3	8.4
23 ...	9.2	6.4	9.4	6.3	10.4	9.3	7.6	10.7	7.7	6.7	7.3	8.9	8.3
Means ...	12.7	9.1	11.9	8.2	13.0	12.8	10.0	13.1	10.7	9.8	10.1	11.8	11.1

TABLE XLIII.

Observed Mean Daily Velocity of the Wind in 1895.

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	12.7	8.0	9.0	13.9	15.6	13.9	9.9	8.4	15.0	12.6	11.1	9.9
2	11.9	8.8	10.0	9.8	16.9	18.9	15.7	5.6	8.7	14.3	10.7	10.6
3	10.2	10.5	9.9	7.9	11.6	16.8	6.9	5.0	4.8	13.8	7.4	11.5
4	9.4	11.7	9.8	6.0	16.8	13.9	6.7	7.7	5.6	12.8	6.3	10.8
5	7.8	12.2	6.3	7.1	20.0	16.0	5.4	8.9	11.1	10.7	7.3	13.4
6	6.7	11.0	10.9	8.2	21.7	12.8	7.9	8.0	15.1	7.0	7.2	14.4
7	7.3	9.5	10.5	8.3	17.1	9.3	8.1	12.5	11.6	14.8	16.0	11.1
8	10.3	10.8	10.1	5.7	15.6	7.8	11.0	13.7	11.3	15.2	11.6	9.2
9	9.0	11.0	13.8	11.8	12.4	8.7	11.2	9.1	14.9	9.2	7.2	8.2
10	9.1	10.6	12.5	8.4	10.9	15.1	9.2	12.4	12.9	7.1	5.9	4.9
11	9.6	5.1	9.6	6.9	6.2	21.7	8.9	16.2	9.3	5.4	6.0	6.0
12	17.6	6.6	10.1	6.4	6.7	20.1	8.6	18.8	8.9	6.4	7.8	5.1
13	30.6	6.0	9.8	6.3	9.6	17.4	8.1	19.1	9.3	6.2	8.9	4.0
14	25.4	4.7	11.2	9.7	10.3	16.6	9.2	17.8	11.8	8.5	6.4	12.7
15	21.7	7.6	11.5	7.6	10.0	12.9	8.3	15.6	11.5	9.0	6.9	13.8
16	17.3	10.4	12.9	10.3	12.4	11.6	7.4	10.8	10.1	9.4	18.8	10.3
17	10.9	12.5	16.2	8.6	13.0	11.2	9.7	12.7	9.8	7.8	21.3	12.2
18	13.3	10.8	17.1	6.6	14.3	8.0	6.7	14.3	8.4	4.6	18.9	13.2
19	7.9	10.7	15.2	6.3	12.6	9.3	6.6	13.0	11.7	5.8	13.5	12.1
20	5.4	7.7	12.5	4.5	13.8	13.3	9.6	12.5	13.2	6.0	11.0	11.4
21	12.4	5.5	13.1	9.3	13.4	10.5	12.9	10.0	10.3	8.1	9.3	12.1
22	17.6	5.4	9.0	10.9	15.0	8.2	14.1	8.6	5.2	9.7	8.0	9.5
23	15.9	10.7	10.0	9.2	17.6	9.4	18.3	8.5	8.6	10.9	7.9	14.4
24	10.5	13.5	12.5	10.6	16.4	11.6	12.9	21.2	9.7	11.2	8.3	17.6
25	11.2	12.5	16.4	11.0	14.3	8.3	12.5	17.5	9.8	12.3	8.9	17.6
26	11.2	8.1	18.3	6.5	11.7	8.8	15.3	13.5	11.0	10.8	9.2	20.3
27	12.4	5.6	16.6	5.9	9.1	9.6	11.7	14.5	13.0	11.8	6.0	15.3
28	13.5	7.2	12.8	8.8	7.7	10.9	12.1	19.1	13.1	9.6	11.1	13.6
29	13.3		11.8	7.1	5.8	15.5	11.3	18.1	13.8	10.3	11.4	11.5
30	12.4		8.3	7.3	9.4	14.9	12.3	16.1	12.0	11.3	13.5	13.7
31	9.0		10.4		15.2		11.5	15.9		11.0		13.9
Means ...	12.7	9.1	11.9	8.2	13.0	12.8	10.0	13.1	10.7	9.8	10.1	11.8

METEOROLOGICAL OBSERVATIONS.

TABLE XLIV.

1876–1895.

Mean Monthly North and East Components of the Wind.

Months.	Monthly Means.		Deviation from Mean of year.	
	N.	E.	N.	E.
January	− 0.48	+ 8.79	+ 2.05	− 0.15
February	− 1.31	+ 8.09	+ 1.22	− 0.85
March	− 1.46	+ 7.68	+ 1.07	− 1.26
April	− 2.82	+ 8.48	− 0.29	− 0.46
May	− 3.65	+ 7.74	− 1.12	− 1.20
June	− 5.04	+ 9.12	− 2.51	+ 0.18
July	− 4.65	+ 9.86	− 2.12	+ 0.92
August	− 4.23	+10.38	− 1.70	+ 1.44
September	− 3.51	+10.27	− 0.98	+ 1.33
October	− 2.00	+ 9.32	+ 0.53	+ 0.38
November	− 1.19	+ 9.05	+ 1.34	+ 0.11
December	− 0.03	+ 8.48	+ 2.50	− 0.46
Means	− 2.53	+ 8.94		

TABLE XLV.

1876—1895.

Computed Mean Monthly Direction and Velocity of the Wind.

Months.	1876—1895.		1895.			
	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	8.80	S 86°−52'E	9.21	S 69°−24'E	+ 0.41	S 17°−28'
February	8.20	S 80 −48 E	7.25	S 69 −25 E	− 0.95	S 11 −23
March	7.82	S 79 −14 E	10.72	N 82 −46 E	+ 2.90	N 18 −00
April	8.94	S 71 −36 E	6.47	S 70 −30 E	− 2.47	S 1 −06
May	8.56	S 64 −45 E	12.34	S 66 −39 E	+ 3.78	N 1 −54
June	10.42	S 61 −04 E	12.19	S 62 −27 E	+ 1.77	N 1 −23
July	10.90	S 64 −45 E	9.39	S 62 −48 E	− 1.51	S 1 −57
August	11.21	S 67 −50 E	12.17	S 67 −44 E	+ 0.96	S 0 −06
September	10.85	S 71 −08 E	10.11	S 73 −30 E	− 0.74	N 2 −22
October	9.53	S 77 −53 E	8.28	S 79 −38 E	− 1.25	N 1 −45
November	9.13	S 82 −31 E	8.11	S 85 −20 E	− 1.02	N 2 −49
December	8.48	S 89 −48 E	10.30	S 83 −15 E	+ 1.82	S 6 −33
Means	9.29	S 74°−12'E	9.56	S 73°−39'E	+ 0.27	S 0°−33'

METEOROLOGICAL OBSERVATIONS.

TABLE XLVI.

Résumé of Actinometric Observations made during the year 1895.

Date.	Mean Radiation Result.	Mean Altitude.	Remarks.
	°	° ′	
January 18	9.81	88—06	Sky pale, passing cu.
„ 31	9.67	86—38	„ light blue, passing cu.
February 2	9.86	85—55	„ „ detached cu.
„ 9	9.84	84—20	„ „ „ „
„ 12	9.54	83—19	„ generally pale, but clear.
„ 13	9.87	83—02	„ light blue, smoky round sun.
„ 19	9.90	81—12	„ „ clear.
April 12	9.29	61—19	„ blue, „
„ 14	9.03	61—51	„ pale blue, „
May 27	8.67	48—35	„ blue, „
„ 31	8.37	48—03	„ light blue, det. cu.
June 17	8.55	46—35	„ „ clear.
„ 20	8.89	46—31	„ blue „
„ 21	8.64	46—29	„ light blue, passing cu.
July 11	8.65	47—49	„ blue, „ „
„ 30	9.15	51—19	„ „ clear.
August 7	8.85	53—26	„ „ det. cu.
„ 8	8.80	53—42	„ „ „ „
September... ... 13	9.54	66—01	„ „ „ „
„ 26	9.91	70—41	„ „ clear.
October 11	9.57	76—49	„ „ „
„ 21	9.89	80—29	„ „ „
November... ... 5	9.30	84—44	„ „ „
„ 30	9.58	87—52	„ pale, passing cu.
December... ... 4	10.12	87—29	„ „ „ „
„ 11	10.01	86—38	„ blue, clear.
„ 16	10.29	86—28	„ „ „
„ 21	10.05	86—18	„ light blue, det. cu.
Mean of the 28 Observations	° 9.42	° ′ 70—25	

METEOROLOGICAL OBSERVATIONS.

TABLE XLVII.

Thunder and Lightning.

Months.	Days.	
January ...	12	Between 15h. and 15h.15m., distant thunder at Wrd., at 15h.45m. at Srd., and at 16h.18m. at Wrd.
February ...	2	At 20, two flashes of lightning seen at Moka.
„ ...	5	At long intervals in evening flashes of lightning at Wrd.
„ ...	16	Several flashes of lightning at Wrd. in evening.
„ ...	28	Between 2 and 3, distant thunder and lightning at Erd.
March ...	1	At about 2, several flashes of lightning and distant thunder at W. S. Wrd.
„ ...	5	At about noon, thunder heard at Moka.
„ ...	11	Lightning at S.Wrd in evening (seen at Moka.)
„ ...	16	From 20.20 to 20.40, thunder and lightning at E. S. Erd and Erd.
„ ...	18&19	Heavy thunder with lightning, during night and early morning, distant thunder at Erd. at 7.10, and thunder at W.S.Wrd. from 15.26 to 15.40.
„ ...	21	From 9 to 9.44, thunder at Wrd. and N.Wrd, at 15, distant thunder at Wrd., and from 19.40 to 20, thunder and lightning at S.Erd.
„ ...	22	From 9.31 to 9.38, distant thunder at Nrd.
„ ...	30	At 5, lightning at Srd.
April ...	4	From 11.10 to 13, thunder at Srd. and S. S.Wrd. and from 15.27 to 16.20 and at 17.15. Thunder-storm at Moka from about 17 to 18. Thunder and lightning in evening towards Minissy Estate (Moka).
„ ...	16	In evening, lightning at S.Wrd. and Erd.
„ ...	17	In evening, lightning at S. Wrd. and S. Erd.
„ ...	20	From 13.24 to 13.40, thunder at N. Erd., and at S.S.Erd from 14.16 to 14.40.
August ...	13	Thunder and lightning at Moka and Curepipe this morning.
October ...	11 & 12	Thunder heard at Gros Bois (Grand Port) on 11th. and at Marton, Vacoas (Plaines Wilhems) on 11th. and 12th.
November ...	5	Thunder heard at Marton, Vacoas (Plaines Wilhems).
„ ...	16	From 20 to 22, much lightning (vivid flashes at times) with distant thunder at Nrd. and W.N.Wrd.
December ...	18& 19	From 16 on 18th. to 5.40 on 19th, thunder at intervals at Nrd. and N.Wrd., and lightning at Nrd. and N.Wrd. in evening and night of 18th. and in the evening of 19th.
„ ...	20	From 19 to 20 some flashes of lightning at N.Wrd.

METEOROLOGICAL OBSERVATIONS.

TABLE XLVIII.

Means and Extremes of the Principal Meteorological Elements in 1895 and for the Period 1875-95.

Elements.	1895.	1875—95.
Mean Atmospheric Pressure (reduced to sea-level.)	30.059 inches	30.078 inches.
Highest „	30.319 „ August 29 ...	30.468 „ June 20/77.
Lowest „	29.514 „ January 16 ...	27.956 „ April 29/92.
Mean Temperature in Shade	73°.8.	73°.5.
Highest „	89.5,—February 18 ...	89.5, being highest of the period.
Lowest „	54.8,—June 22	53.5 July 26/90.
Mean Temperature of Evaporation ...	68.8.	68.4.
Highest „	79.1,—January 12... ...	81.3,—March 10/79.
Lowest „	52.7,—June 22	51.6,—August 22/84.
Mean Dew Point	65.3.	64.6.
Highest „	75.4,—March 28	77.5,—March 5/89.
Lowest „	50.1,—August 25... ...	46.8,—September 5/80.
Mean Vapour Tension	.632 inch.	.619 inch.
Highest „	.880 „ March 28 ...	.941 „ March 5/89.
Lowest „	.361 „ August 25 ...	.320 „ September 5/80.
Mean Relative Humidity	75.9. (Saturation = 100) ...	74.6.
Highest „	94.5,—March 20	97.6 March 6/93.
Lowest „	44.0,—September 25 ...	38.4 October 31/78.
Mean hourly Velocity of Wind ...	11.1 miles	11.1 miles. (Mean for 20 years.)
Maximum „	38.8,—January 13... ...	103.3 „ April 29/92.
Rainfall	54.16 inches	48.71 inches.
No. of days on which rain fell	196.	205.
Greatest fall in 24 hours	4.54 inches,—~~January~~ March 25...	11.24 inches May 7/84.
No. of days of Thunder and Lightning	26.	33.
Mean amount of Ozone...	4.1. (Scale 0—10)... ...	4.4 (Mean for 9 years.)
Greatest „	7.0,—14 times	10,—Sept. 3/87 & June 23 & 29/89.
Least „	0.0,—8 „	0.0 occasionally.
Total duration of Sunshine during the year.	2803.0 hours	2747.8 (Mean for 9 years.)
Mean proportion for the year	0.637 hour	0.625 („ .)

TABLE XLIX.

Mean Monthly Maximum and Minimum Temperature at four Stations in the Interior of the Island in 1895.

Districts.	Pamplemousses.		Moka.		Plaines Wilhems.			
Approximate height above sea-level.	Botanical Gardens, 225 feet. (W. Scott.)		Lynnwood, 1100 feet. (Hon. H. Stein.)		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.
January	90.6°	.....	83.2°	69.5°	80.7°	68.1°	81.4°	69.4°
February	90.4	.....	83.0	67.8	81.1	66.9	82.9	68.5
March	85.4	72.3	79.9	70.4	79.1	68.3	79.2	69.3
April	84.2	68.6	79.1	68.0	78.9	66.3	79.4	67.4
May	80.9	67.7	75.2	65.8	73.9	64.3	.....	.....
June	77.8	62.3	71.0	61.3	69.4	59.6	71.9	61.4
July	78.6	60.7	71.5	60.1	70.7	58.8	73.2	60.8
August	77.9	61.7	70.6	59.9	69.6	58.4	71.2	59.4
September	81.2	61.4	73.6	60.4	72.9	59.1	75.1	60.7
October	85.7	64.4	77.4	63.0	76.8	61.8	76.5	63.3
November.....	86.9	67.4	80.0	65.5	78.8	63.7	78.3	65.2
December	86.3	69.4	81.0	67.1	78.9	65.2	78.7	67.1
Means	83.8	.....	77.1	64.9	75.9	63.4	.....	.....
Approximate Means	.....		71.0		69.6		.....	

Note.—At the Botanical Gardens, the thermometers are exposed in a large Stevenson's screen, and at the other stations under open verandahs.

TABLE L.

Absolute Maximum and Minimum Temperature at the same four Stations in 1895.

Districts.	Pamplemousses.		Moka.		Plaines Wilhems.			
	Botanical Gardens. (W. Scott).		Lynnwood. (Hon. H. Stein).		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.
	°	°	°	°	°	°	°	°
January	93.7	.....	89.0	65.0	85.0	65.0	86.0	65.0
February	94.7	.....	86.0	62.0	86.0	60.0	87.0	63.0
March	90.7	69.5	85.0	67.0	84.0	65.0	85.0	67.0
April	87.7	63.3	83.0	64.0	84.0	61.0	84.0	61.0
May	84.8	63.6	80.0	62.0	78.0	61.0	.....	.....
June	82.4	52.6	74.0	55.0	75.0	53.0	80.0	56.0
July	82.0	55.7	74.0	57.0	76.0	55.0	79.0	58.0
August	81.6	55.7	75.0	55.0	76.0	54.0	76.0	55.0
September	84.8	57.6	76.0	56.0	77.0	55.0	78.0	57.0
October	90.2	61.7	80.0	60.0	80.0	59.0	80.0	59.0
November	90.8	62.1	85.0	60.0	84.0	59.0	83.0	61.0
December	91.0	63.7	85.0	63.0	86.0	59.0	82.0	63.0

TABLE LI.

Hygrometric Observations at the Royal Botanical Gardens, Pamplemousses, during the year 1895.

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 ...	83.3	87.4	76.1	76.6	71.3	69.7	70.5	67.2	55.6	61.4	.766	.727	.746
February ...	83.0	86.3	74.9	76.0	69.5	69.3	69.4	63.6	57.1	60.3	.720	.717	.718
March	79.0	82.6	75.9	76.9	73.7	73.1	73.4	84.5	73.2	78.8	.834	.814	.824
April	77.7	80.6	74.0	74.9	71.4	71.1	71.2	80.5	72.2	76.3	.770	.761	.765
May	74.9	77.3	70.7	71.7	67.7	67.8	67.7	78.0	72.6	75.3	.678	.681	.679
June	70.9	73.7	67.1	67.7	64.3	63.3	63.8	79.0	70.0	74.5	.602	.583	.592
July	71.0	74.7	67.2	68.1	64.3	63.3	63.8	79.0	67.6	73.3	.603	.582	.592
August	70.6	73.7	66.4	67.4	63.2	62.8	63.0	77.0	68.8	72.9	.581	.573	.577
September ...	74.4	77.0	67.8	68.1	63.0	61.9	62.4	67.6	59.4	63.5	.576	.553	.564
October ...	79.5	80.9	71.0	71.1	65.2	64.5	64.8	61.5	56.7	59.1	.621	.606	.613
November ...	80.5	82.3	72.5	72.5	67.0	66.0	66.5	63.5	57.6	60.5	.663	.639	.651
December ...	81.1	82.5	74.3	74.1	69.7	69.2	69.4	68.8	66.4	67.6	.726	.712	.719
Means	77.2	79.9	71.5	72.1	67.5	66.8	67.2	72.5	64.8	68.6	.678	.662	.670

TABLE LII.

Thermometrical Observations made at the Nursery Gardens, Curepipe, during the year 1895.

Altitude 1840 *feet.*— *F. Bijoux* *Observer.*

Months.	Mean Maximum.	Mean Minimum.	Approximate mean Temperature.	Absolute Maximum.	Date.	Absolute Minimum.	Date.	Mean Minimum on grass.	Highest on grass.*	Date.	Lowest on grass.	Date.
	°	°	°	°		°		°	°		°	
January	79.0	66.7	72.8	83.5	10 & 11	62.0	5 & 30	61.8	67.0	22	56.0	5
February	80.3	64.3	72.3	85.6	13	50.4	16	57.6	63.6	18	42.0	16
March	76.2	67.5	71.8	81.5	3	63.2	25	62.0	66.5	12	57.5	25
April	77.1	65.2	71.1	81.2	17	55.0	11	57.6	63.0	2	46.8	11
May	72.0	63.5	67.7	76.8	26	60.0	25, 26 & 31	†	.....	.....	.....	.....
June	68.4	58.8	63.6	72.6	25	50.0	23	.....	.....	.....	.....	.....
July	69.9	58.2	64.0	73.8	19	53.0	23	.....	.....	.....	.....	.....
August	67.7	56.1	61.9	73.5	3	46.0	5	.....	.....	.....	.....	.....
September	70.6	57.7	64.1	74.5	25	48.0	3	.....	.....	.....	.....	.....
October	73.8	60.4	67.1	77.5	21	54.0	18 & 21	.....	.....	.....	.....	.....
November	76.1	62.8	69.4	81.0	10, 27 & 28	53.0	5	.....	.....	.....	.....	.....
December	75.6	64.1	69.8	82.0	8	59.0	1, 2 & 16	62.3	66.5	14	55.0	16
Means	73.9	62.1	68.0	78.6		54.5		.....	.....		.....	

* During the night.
† Thermometer out of order.

TABLE LIII.

Hygrometric Observations taken at the Nursery Gardens, Curepipe, during the year 1895.

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 ...	68.6	76.2	72.4	68.0	71.5	69.7	67.5	68.2	67.8	96.9	77.6	87.2	.673	.690	.681
February ...	65.7	77.3	71.5	65.4	71.6	68.5	65.2	67.6	66.4	98.4	72.9	85.6	.621	.677	.649
March ...	69.3	74.3	71.8	69.1	71.7	70.4	68.9	69.8	69.3	98.5	86.8	92.6	.706	.730	.718
April ...	66.1	74.4	70.2	65.7	70.2	67.9	65.4	67.2	66.3	97.8	78.8	88.3	.626	.666	.646
May ...	64.8	69.7	67.2	64.2	67.0	65.6	63.7	64.8	64.2	97.4	85.0	91.2	.590	.615	.602
June ...	60.8	66.0	63.4	60.2	63.0	61.6	59.7	60.6	60.1	96.7	84.5	90.6	.513	.529	.521
July ...	59.6	67.7	63.6	59.1	64.1	61.6	58.7	61.2	59.9	97.6	80.6	89.1	.494	.542	.518
August ...	58.0	65.7	61.8	57.6	62.8	60.2	57.2	60.5	58.8	97.3	84.4	90.8	.470	.527	.498
September ..	59.4	67.5	63.4	59.1	63.5	61.3	58.9	60.3	59.6	98.3	79.0	88.6	.498	.525	.511
October ...	62.9	70.3	66.6	62.6	66.2	64.4	62.4	63.1	62.7	97.8	79.0	88.4	.562	.579	.570
November ..	65.3	72.4	68.8	65.0	67.9	66.4	64.8	64.5	64.6	98.5	77.4	87.9	.612	.608	.610
December...	66.1	73.0	69.5	65.8	69.2	67.5	65.6	66.4	66.0	97.8	80.8	89.3	.630	.649	.639
Means ...	63.9	71.2	67.5	63.5	67.4	65.4	63.2	64.5	63.8	97.7	80.6	89.1	.583	.611	.597

TABLE LIV.

Observations of Solar Radiation and Ozone at the Nursery Gardens, Curepipe, during the year 1895.

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 ...	145.1	156.5	10	118.5	16	66.1	77.0	6	43.0	16	4.1	7.0	2.0	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 ...	147.9	155.0	15	133.0	21	67.6	73.0	22	59.4	21	3.0	5.0	1.0	
March ...	130.0	153.0	2	80.0	19	53.7	71.9	23	10.0	19	3.5	6.0	1.0	
April ...	137.4	151.0	11	100.2	8	60.3	72.5	9	20.3	17	4.3	6.0	2.0	
May ...	128.5	140.2	13	81.0	4	56.5	69.3	23	11.5	4	5.1	6.0	2.0	
June ...	126.0	138.8	13	90.0	29	57.5	70.3	13	27.0	29	4.4	7.0	2.0	
July ...	130.5	139.5	28	114.8	26	60.6	71.7	28	48.8	26	3.8	6.0	2.0	
August ...	126.0	138.0	4, 21 & 23	86.2	13	58.3	72.4	24	20.4	13	5.6	7.0	2.0	
September ...	135.8	144.0	10 & 18	112.6	11	65.2	73.6	18	44.2	11	5.6	7.0	4.0	
October ...	142.1	153.0	28	110.5	3	68.3	76.6	28	43.7	3	4.8	7.0	2.0	
November ...	143.9	154.5	25	115.5	3	67.8	77.0	5 & 18	46.5	3	4.7	7.0	3.0	
December ...	141.3	156.0	2	109.5	31	65.7	81.4	2	38.0	31	4.4	6.0	2.0	
Means	136.2	148.3		104.3		62.3	73.9		34.4		4.4	6.4	2.1	

TABLE LV.—Showing the amount of Rainfall and the number of days on which Rain fell at various Stations in Mauritius in 1895.

Months.	Rivière du Rempart.											
	Mon Loisir, H. Rouillard.		St. Antoine, A. de Chazal.		Schœnfeld, A. de Rosnay.		Labourdonnais, A. Wiéhé.		Antoinette, G. Martin.		Mon Songe, E. D'Unienville.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	1.30	7	1.60	7	1.50	14	1.91	11	.....	...	1.79	13
February	2.35	13	4.33	11	3.43	17	2.35	8	.....	...	2.81	14
March	24.34	21	25.58	20	24.68	27	29.08	24	33.16	25	35.41	24
April	3.16	7	.....	...	1.47	9	2.78	7	3.69	14	4.80	12
May	3.63	14	.....	...	2.98	19	4.15	15	5.48	22	6.68	22
June	3.10	16	.....	...	2.54	14	3.44	12	5.99	20	6.02	12
July	1.89	12	.....	...	1.59	9	1.90	9	2.50	13	1.60	9
August	7.05	21	.....	...	5.82	17	8.94	9	10.28	18	11.29	16
September...	2.06	9	.....	...	1.96	12	0.97	2	1.02	9	1.76	11
October	0.86	8	.....	...	0.94	11	0.61	4	1.38	13	1.36	9
November	3.65	11	.....	...	3.91	11	3.92	10	6.76	12	8.64	16
December	8.67	5	.....	...	6.52	14	7.31	10	10.02	13	7.51	11
Fall in 1895	62.06	144	.....	...	57.34	174	67.36	121	.....	...	89.67	169
Average fall	53.82	120	49.02	124	54.69	176	63.45	133	67.40	185	75.58	170
Excess or defect in 1895...	+8.24	+24	.....	...	+2.65	−2	+3.91	−12	.....	...	+14.09	−1
No. of years	3	3	21	18	13	12	33	34	5	3	13	13

TABLE LV.—**Showing the amount of Rainfall, &c.**—*Continued.*

PAMPLEMOUSSES.

Months.	St. André, G. Harel.		Solitude, G. Harel.		Mon Rocher, Ev. de Chazal.		Beau Plan, J. de St. Romain.		The Observatory, C. Meldrum.		Botanical Gardens, W. Scott.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	.....	...	1.32	5	1.78	13	1.65	9	2.14	17	2.29	15
February	.....	...	1.18	10	4.03	10	3.86	8	2.97	14	3.79	13
March	21.66	23	18.77	22	30.32	22	25.45	22	24.11	26	25.79	23
April	1.85	7	1.82	7	2.37	5	2.18	5	2.62	12	3.33	10
May	2.48	17	2.04	17	3.65	16	2.71	16	3.09	21	3.65	19
June	1.50	13	1.23	15	3.01	11	2.35	9	2.85	19	3.33	16
July	1.26	4	1.21	3	1.37	3	1.51	4	1.12	9	2.22	13
August	4.57	12	2.89	11	.....	...	5.04	15	4.66	21	6.01	20
September	0.60	4	0.24	4	.....	...	0.57	3	0.83	15	0.91	14
October	0.44	4	0.41	4	.....	...	1.05	7	0.64	11	1.19	10
November	2.21	8	1.21	11	.....	...	2.31	9	2.58	15	3.68	14
December	6.81	10	6.52	11	6.49	...	6.18	9	6.55	16	6.10	15
Fall in 1895	.....	...	38.84	120	.....	...	54.86	116	54.16	196	62.29	182
Average fall	43.94	128	35.77	100	62.82	123	53.40	109	48.71	205	65.62	168
Excess or defect in 1895	.....	...	+3.07	+20	.....	...	+1.46	+7	+5.45	−9	−3.33	+14
No. of years	30	26	10	10	14	14	10	3	21	21	29	28

TABLE LV.—**Showing the amount of Rainfall, &c.**—*Continued.*

Months.	Pamplemousses.—(*Continued.*)												Port Louis.	
	The Mount, G. Antelme.		Constance, E. D'Unienville.		La Grande Rosalie, C. Montocchio.		California, C. Montocchio.		Australia, E. D'Unienville.		Solitude, (Montagne Longue,) Jules Joly.		St. George street, J. Brodie.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	2.08	16	1.93	15	2.18	9	1.83	7	2.21	11	.....	...	2.16	14
February	3.47	13	3.08	14	3.33	12	4.12	12	3.09	15	.....	...	1.53	8
March	31.02	25	33.94	24	37.95	26	37.14	25	34.20	24	27.30	26	15.81	22
April	3.31	8	3.50	13	3.15	7	5.97	10	5.72	14	2.46	10	1.55	6
May	4.28	21	5.89	20	5.50	17	5.96	16	6.97	21	4.43	21	3.43	11
June	4.53	15	5.39	14	6.11	14	7.85	14	6.83	13	2.99	14	2.49	11
July	2.15	8	1.92	8	1.81	8	2.57	6	1.69	7	1.03	10	0.42	3
August	7.55	19	10.26	20	9.96	17	10.19	15	11.24	20	6.34	21	3.02	9
September	1.19	14	1.73	12	1.24	7	1.11	4	2.10	10	0.99	10	0.40	3
October	0.61	5	1.33	8	1.74	6	1.69	6	1.85	11	0.79	8	0.00	0
November	5.47	12	6.87	13	8.35	12	8.09	10	8.90	15	4.76	11	1.37	5
December	6.73	11	9.18	11	8.99	8	10.45	9	8.90	10	5.95	13	3.65	5
Fall in 1895	72.39	167	85.02	172	90.31	143	96.97	134	93.70	171	.....	...	35.83	97
Average fall	69.44	165	72.50	149	74.32	167	85.23	132	84.85	164	.....	...	.....	...
Excess or defect in 1895	+2.95	+2	+12.52	+23	+15.99	−24	+11.74	+2	+8.85	+7	.....	...	.....	...
No. of years	4	2	15	15	15	14	3	3	2	2	.....	...	1	1

TABLE LV.—**Showing the amount of Rainfall, &c.**—*Continued.*

Months.	Flacq.											
	Beau Bois, V. Dupin.		Constance, (D'Arifat) A. Dalais.		Rigny, Dr. Bouchet.		Rich Fund, P. Eynaud.		Union, A. Régnard.		Bel Etang, V. Lagesse.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	2.18	16	1.98	11	2.60	16	2.86	13	1.72	.....	7.20	12
February	3.30	17	3.41	14	3.51	21	2.76	13	2.18	.....	5.04	14
March	28.05	28	21.30	.....	24.70	28	33.24	26	27.38	.....	44.66	.....
April	2.97	15	1.72	13	.....	.....	4.60	16	3.61	.....	5.34	9
May	4.94	13	6.89	19	.....	.....	7.81	23	6.39	18	13.49	22
June	3.11	9	5.70	15	.....	.....	8.46	25	8.12	17	12.14	23
July	2.51	12	1.89	10	.....	.....	3.32	17	1.69	10	4.23	9
August	9.70	27	9.06	20	.....	.....	11.66	22	9.01	.....	8.56	27
September...	3.10	14	1.75	12	.....	.....	2.80	14	1.27	.....	3.66	1
October	0.79	5	1.38	11	.....	.....	0.47	5	1.22	7	5.47	6
November	6.45	10	4.29	11	.....	.....	8.82	12	8.77	11	8.66	7
December	5.10	9	3.35.	14	.....	.....	4.16	8	4.83	15	5.60	3
Fall in 1895	72.20	175	62.72	.....	.....	.....	90.96	194	76.19	.....	124.05	.....
Average fall	69.07	169	63.61	.....	100.43	266	83.09	174	71.83	191	.....	.....
Excess or defect in 1895	+ 3.13	+ 6	−.89	.....	.....	.....	+ 7.87	+ 20	+ 4.36	.....	.....	.....
No. of years	2	2	10	.....	20	17	7	6	19	11	1	.....

TABLE V.—**Shewing the amount of Rainfall, &c.**—*Continued.*

Months.	Flacq.—*Continued.*				Moka.							
	Sans Souci, E. d'Argent.		Etoile, A. de Villaine.		The Bower, C. F. Shand.		Gentilly, H. Finniss.		Lynnwood, The Hon. H. Stein.		Bon Air, W. S. Telfair.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	4.61	11	4.79	17	5.20	19	5.06	18	5.78	20	5.62	17
February	6.33	18	4.35	...	3.15	16	4.41	11	3.27	17	3.56	11
March	49.92	24	31.47	26	27.40	28	30.85	27	29.83	29	29.44	26
April	6.83	15	5.95	...	3.85	13	5.18	7	4.06	21	3.62	11
May	15.90	19	12.79	25	5.76	22	5.59	24	6.71	30	5.06	22
June	12.78	23	10.45	20	5.10	22	6.00	18	5.66	23	5.43	18
July	6.10	12	5.89	16	1.30	16	1.40	11	1.15	28	1.39	13
August	16.11	23	13.46	23	6.20	20	7.48	22	6.44	27	6.65	21
September...	5.51	11	3.10	10	1.90	16	2.19	15	2.20	24	2.10	16
October	4.35	18	3.30	13	2.47	18	1.95	18	2.67	27	2.15	13
November	19.48	11	12.97	14	6.01	14	6.18	11	5.63	21	5.68	12
December	10.59	15	7.08	12	7.13	14	6.46	11	7.01	15	6.62	10
Fall in 1895	157.61	200	115.60	...	75.47	218	82.75	193	80.46	282	77.32	190
Average fall	129.89	213	102.60	187	65.66	302	82.70	198	69.77	229	66.65	204
Excess or defect in 1895...	+27.72	−13	+13.00	...	+9.81	−84	+.05	−5	+10.69	+53	+10.67	−14
No. of years	12	8	14	11	9	9	22	22	26	26	12	12

TABLE LV.—Showing the amount of Rainfall, &c.—*Continued.*

Months.	Moka.—*Continued.*						Plaines Wilhems.							
	Alma, (Verdun,) E. Régnard.		Le Réduit, W. Scott.		Minissy, L. Hardy.		Bagatelle, R. Boullé.		Trianon, E. Lagesse.		Phœnix Estate. O. Moizeau.		Highlands, D. Dalais.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	8.59	19	3.76	13	5.87	16	5.33	18	6.47	18	8.80	16	5.88	14
February	6.29	16	2.33	6	5.33	10	4.25	15	8.23	14	3.56	14	3.54	11
March	44.27	29	23.90	24	29.54	24	24.40	25	27.29	29	34.17	25	25.87	24
April	6.09	16	2.22	16	6.97	8	4.49	14	3.42	19	7.44	13	4.57	7
May	11.68	28	4.54	19	4.25	16	3.66	13	5.15	20	9.14	21	6.97	20
June	13.04	24	2.82	16	5.10	12	5.91	16	5.10	21	10.87	22	7.40	19
July	3.64	17	0.91	8	1.14	7	0.97	11	1.48	13	3.29	13	2.03	9
August	15.03	23	4.86	17	7.24	15	6.38	20	6.47	19	12.03	20	10.27	18
September	4.54	13	1.43	10	2.02	7	1.32	10	1.67	14	2.99	14	2.71	10
October	3.80	13	2.02	16	1.90	8	1.73	9	1.86	12	3.34	16	2.77	8
November	15.59	17	5.05	19	6.95	10	6.47	14	8.84	12	*115.7	...18	8.15	9
December	12.21	18	6.19	12	5.46	10	4.07	8	5.44	8	8.04	11	9.78	10
Fall in 1895	144.77	233	60.03	176	81.77	143	68.98	173	76.42	204	115.24	203	89.94	159
Average fall	131.86	255	57.91	181	71.40	136	73.23	220	63.65	203	74.30	220	75.08	171
Excess or defect in 1895	+ 12.91	− 22	+ 2.12	− 5	+ 10.37	+ 7	− 4.25	− 47	+12.77	+ 1	+40.94	−.23	+14.86	− 12
No. of years	23	21	9	8	13	13	5	6	29	27	19	16	16	14

* received late.

TABLE LV.—**Showing the amount of Rainfall, &c.**—*Continued.*

PLAINES WILHEMS.—*Continued.*

Months.	Phoenix, (Near Railway Station.) F. C. Estill.		Réunion, (Vacoas,) (The Hon.) G. Robinson.		Marton, (Vacoas,) F. Nash.		Curepipe Gardens, W. Scott.		Villa-le-Bain. Th. V. Latour.		Henrietta, C. F. Shand.		The Glen, C. F. Shand.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	6.57	22	8.76	20	6.74	25	10.32	29	10.60	26	10.81	18	11.56	19
February	3.27	16	2.50	11	2.64	21	7.94	24	6.95	23	3.68	15	3.31	14
March	28.13	26	24.24	25	25.39	28	33.39	31	30.41	27	24.65	22	22.71	26
April	6.57	18	5.30	12	6.85	15	7.62	26	7.88	23	4.32	12	3.82	17
May	7.47	25	10.68	24	9.56	26	15.45	30	16.77	30	10.52	22	8.52	28
June	9.22	25	11.13	23	10.28	26	15.38	29	17.79	30	12.59	24	12.23	28
July	2.14	16	4.03	15	3.09	28	5.19	28	5.10	31	3.78	16	3.32	19
August	11.16	24	13.13	23	12.33	25	17.20	27	17.82	31	12.02	22	10.55	26
September	2.35	17	3.42	12	2.27	16	4.79	27	4.97	30	3.02	11	2.73	20
October	3.87	17	5.17	18	5.01	20	4.29	23	5.17	31	3.96	15	4.65	19
November	9.37	14	8.27	15	9.59	16	12.85	23	13.40	22	6.24	10	6.71	23
December	7.42	15	9.47	12	8.82	18	12.50	28	12.94	22	7.74	12	8.78	16
Fall in 1895	97.54	235	106.10	210	102.57	264	146.92	325	149.80	326	103.33	199	98.89	255
Average fall	90.58	255	85.67	236	93.37	269	130.84	279	130.81	321	84.87	236	88.07	260
Excess or defect in 1895.	+6.96	−20	+20.43	−26	+9.20	−5	+16.08	+46	+18.99	+5	+18.46	−37	+10.82	−5
No. of years	6	6	18	15	5	5	12	12	10	3	14	14	9	9

TABLE LV.—**Showing the amount of Rainfall, &c.**—*Continued.*

Months.	Plaines Wilhems.—*Continued.*						Black River.					
	La Marie, C. F. Shand.		Tamarind Falls, C. F. Shand.		Mare-aux-Vacoas, E. Brine, C. E.		Caselà, C. H. Kœnig.		Wolmar, (Clarens), C. H. Kœnig.		Tamarin, C. H. Kœnig.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	11.20	13	10.01	15	12.41	26	2.26	8	3.83	12	3.23	8
February	5.83	13	2.71	14	6.70	21	1.70	9	1.34	7	1.12	7
March	28.70	24	18.11	24	27.97	28	13.84	17	12.83	15	10.98	17
April	5.67	11	2.19	11	7.77	20	3.12	9	3.01	6	0.92	4
May	13.10	26	8.41	21	17.15	28	1.26	7	1.37	5	1.06	5
June	16.04	22	9.30	22	20.49	27	1.59	8	1.40	7	1.88	9
July	4.06	13	3.45	16	8.02	27	0.50	5	0.37	2	0.29	2
August	17.61	23	12.52	22	24.62	27	3.03	9	3.15	6	2.71	5
September...	4.06	9	2.45	8	6.07	21	1.00	4	1.03	3	0.84	3
October	4.45	14	4.08	12	6.96	22	1.97	7	1.58	3	1.36	5
November	7.40	10	9.23	12	19.02	16	3.41	7	3.87	6	3.44	9
December	8.33	12	7.25	13	15.84	22	3.97	10	4.10	9	4.04	7
Fall in 1895	126.45	190	89.71	190	173.02	285	37.65	100	37.83	81	31.87	81
Average fall	103.06	202	80.46	228	146.33	234	49.69	70	33.70	50	37.73	73
Excess or defect in 1895...	+23.39	−12	+9.25	−38	+26.69	+51	−12.04	+30	+4.18	+31	−5.86	+8
No. of years	13	13	9	9	7	7	8	8	13	8	14	8

TABLE LV.—**Showing the amount of Rainfall, &c.**—*Continued.*

Months.	Black River.—*Continued.*						Grand Port.					
	Chamarel.											
	St. Denis, W. West.		Yard, W. West.		La Flèche, W. West.		Ferney, A. Ozoux.		Cluny, J. H. Desplaces.		Riche-en-Eau, E. de Rochecouste.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	3.69	...	3.27	...	5.20	...	4.49	11	6.41	17	3.73	18
February	2.70	...	2.10	...	1.72	...	2.58	14	6.12	21	3.20	18
March	10.70	20	12.81	24	10.98	20	36.65	23	40.77	28	35.10	25
April	2.55	11	3.28	12	5.64	11	4.53	11	7.51	17	5.32	13
May	9.52	20	9.63	21	5.26	20	8.28	25	16.90	28	12.41	23
June	9.37	21	10.38	24	7.61	23	6.05	19	17.29	26	7.40	23
July	3.63	13	3.65	14	2.51	13	1.99	12	4.92	17	1.89	11
August	8.43	20	7.42	20	6.30	21	14.88	16	16.99	24	7.71	17
September...	2.79	13	2.90	16	2.50	16	1.93	6	7.46	16	3.53	13
October	4.83	14	3.87	14	3.13	14	2.30	11	8.38	21	3.08	21
November...	9.94	13	12.37	14	9.60	14	8.85	11	14.45	14	5.76	16
December...	8.51	10	6.22	11	6.19	9	14.00	17	20.09	20	15.04	24
Fall in 1895	76.71	...	77.90	...	62.64	...	106.53	176	167.29	249	104.17	222
Average fall	73.50	148	77.00	138	63.24	134	90.84	187	146.24	244	90.85	243
Excess or defect in 1895...	+3.21	...	+0.90	...	−0.60	...	+15.69	−11	+21.05	+5	+13.32	−21
No. of years	3	1	17	11	3	1	18	18	32	32	18	14

TABLE LV.—**Showing the amount of Rainfall, &c.**—*Continued.*

Months.	Grand Port.—*Continued.*								Savanne.			
	Astroea, A. Daniel.		Beau Vallon, A. de Rochecouste.		Gros Bois, (The Hon.) H. Stein.		Eau Bleue, P. G. Labat.		St. Avold, A. Bour.		Colmar, Sir V. Naz, K.C.M.G.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	4.26	17	3.00	9	3.26	13	4.73	...	5.18	14	2.77	6
February	5.63	18	2.21	12	2.82	13	3.74	...	3.78	16	4.08	10
March	35.27	28	29.81	24	28.55	25	37.60	...	24.52	24	23.94	23
April	7.49	19	2.78	9	3.77	18	5.77	...	7.74	16	4.46	11
May	7.74	26	7.91	15	9.65	23	13.36	...	17.43	25	7.31	16
June	7.71	27	4.17	16	7.45	26	10.97	22	6.17	24	6.75	18
July	3.61	19	1.53	8	3.41	18	3.11	...	0.95	13	3.77	8
August	11.73	24	7.33	10	8.87	22	11.40	...	13.13	23	7.18	14
September	3.51	16	1.76	5	3.63	17	5.15	...	3.75	17	2.76	8
October	4.90	20	0.59	3	3.77	13	5.86	21	6.33	16	2.95	8
November	6.77	14	1.36	6	4.28	13	8.76	18	7.86	15	4.05	12
December	16.34	22	8.79	15	12.28	18	19.77	18	15.76	16	15.70	9
Fall in 1895	114.96	250	71.24	132	91.74	219	130.22	...	112.60	219	85.72	143
Average fall	107.16	208	65.74	207	97.53	207	119.01	...	113.01	211	92.81	189
Excess or defect in 1895	+7.80	+42	+5.50	−75	−5.79	+12	+11.21	...	−0.41	+8	−7.09	−46
No. of years	14	11	31	31	32	32	2	...	9	7	24	24

TABLE LV.—**Showing the amount of Rainfall, &c.**—*Continued.*

Months.	Savanne.—*Continued.*											
	Bénarès, (Résidence,) Sir V. Naz, K.C.M.G.		Bénarès, (Sugar House) Sir V. Naz, K.C.M.G.		Beau Champ, Allam & H. C. Mamoojee.		Bel Ombre, Allam & H. C. Mamoojee.		Union & Bel Air, Th. V. Latour.		Terracine. O. Pilot.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	2.96	10	4.00	9	4.27	7	4.47	15	6.04	16	3.71	14
February	2.41	13	3.18	10	2.17	9	1.87	9	2.57	15	1.78	10
March	23.35	24	27.95	23	15.16	19	14.20	22	17.32	22	19.21	19
April	4.42	12	4.96	11	3.98	10	3.44	12	6.83	13	6.26	11
May	5.23	22	7.51	21	9.60	15	8.44	19	6.71	20	3.69	13
June	5.29	20	5.25	19	4.47	19	5.94	19	6.15	20	4.22	16
July	2.70	11	2.17	8	1.74	8	1.41	11	2.48	13	0.92	6
August	8.07	17	6.00	13	6.99	17	7.26	15	7.56	22	5.83	12
September...	2.46	9	3.30	8	1.47	5	1.75	7	2.26	12	2.28	6
October	2.34	9	1.69	8	2.64	12	2.84	13	2.43	12	1.76	10
November...	4.60	13	5.31	11	3.99	9	5.08	12	2.01	8	2.02	6
December...	10.42	10	11.57	9	6.11	10	8.57	11	8.91	12	11.88	12
Fall in 1895	74.25	170	82.89	150	62.59	140	65.27	165	71.27	185	63.56	135
Average fall	64.89	173	67.42	150	58.82	133	64.95	160	76.30	154	62.26	148
Excess or defect in 1895...	+ 9.36	− 3	+15.47	0	+ 3.77	+ 7	+ 0.32	+ 5	− 5.03	+ 31	+ 1.30	− 13
No. of years	10	9	4	3	16	2	10	2	27	27	7	6

TABLE LVI.—**Rainfall in 1893-94.**—(*Not hitherto published.*)

District.	Pamplemousses.							
Stations.	St. André. G. Couve.				Solitude. G. Couve.			
Years.	1893.		1894.		1893.		1894.	
Months.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	9.14	19	20.39	10	6.94	19	12.19	8
February	2.20	5	6.30	7	2.09	4	3.27	9
March	4.96	14	6.69	4	3.68	11	3.81	5
April	9.02	16	10.32 *	5	5.30	12	5.82	4
May	3.90	9	.....	.....	3.28	9	4.10	7
June...	1.39	4	.....	.....	0.59	5	0.06	1
July	2.66	5	.....	.....	1.88	5	0.90	6
August	1.29	5	.....	.....	0.37	4	0.69	6
September	1.12	4	.....	.....	0.45	2	0.26	1
October	1.05	4	.....	.....	0.22	2	1.34	6
November	2.48	5	.....	.....	0.54	3	1.19	3
December	1.78	5	.....	.....	0.97	5	5.11	4
Totals	40.99	95	.....	.....	26.31	81	38.74	60

* From May 1894 to February 1895 inclusive, no observations were made at St. André.

METEOROLOGICAL OBSERVATIONS.

TABLE LVII.

Approximate Altitudes of Rainfall Stations above the sea-level.

Stations.	Feet.
Rivière du Rempart.	
Mon Loisir...	?
St. Antoine...	90
Schœnfeld ...	?
Labourdonnais	290
Antoinette ...	640
Mon Songe...	620
Pamplemousses.	
St. André ...	175
Solitude	90
Mon Rocher	270
Beau Plan ...	195
The Observatory	179
Botanical Gardens	225
The Mount...	325
Constance ...	620
La Grande Rosalie	643
California ...	850
Australia ...	?
Solitude (Montagne Longue)	?
Port Louis.	
St. George street.	?
Flacq.	
Beau Bois ...	?
Constance ...	?
Rigny	575
Rich Fund...	?
Union	500
Bel Etang ...	?
Sans Souci ...	860
Etoile	790
Moka.	
The Bower...	1080
Gentilly	1150
Lynnwood ...	1100
Bon Air	1050
Alma	1500
Le Réduit ...	1000
Minissy	1150

Stations.	Feet.
Plaines Wilhems.	
Bagatelle ...	1300
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 (Clarens)	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
Eau Bleue ...	?
Savanne.	
St. Avold ...	840
Colmar	400
Benarès (Résidence)	300
Bénarès (Sugar House).....	200
Beau Champ	60
Bel Ombre...	50
Union & Bel-Air	90
Terracine ...	50

TABLE LVIII.

Five Day Means, 1895.

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.			0—10	Inches.
1	29.743	78.3	89.7	68.1	.637	67.7	— 1.48	+ 9.84	10.4	1.7	2.9	4.6	0.01
2	.673	80.3	90.4	70.0	.725	74.2	+ 2.93	+ 7.33	8.5	2.7	3.4	2.1	0.00
3	.553	80.1	90.5	74.4	.750	72.7	—11.86	+16.27	21.0	3.6	5.3	4.6	0.55
4	.525	79.1	87.7	71.8	.770	75.6	— 5.30	+ 6.14	11.0	1.7	4.9	1.9	0.72
5	.785	80.0	89.7	72.9	.757	75.4	— 0.87	+12.67	13.5	0.3	5.5	3.9	0.65
6	.811	79.0	90.5	70.9	.683	70.0	— 2.84	+11.86	12.6	1.2	4.2	4.1	0.15
7	.763	79.0	91.9	69.4	.655	67.5	— 1.95	+ 9.00	9.6	0.1	3.4	2.4	0.10
8	.764	78.9	91.4	70.5	.674	69.9	— 2.61	+10.13	10.9	0.6	4.1	3.4	0.37
9	.738	78.5	91.0	66.6	.664	72.1	— 1.03	+ 2.80	6.6	0.5	3.7	2.7	0.10
10	.715	79.7	93.9	68.6	.676	69.5	— 5.71	+ 6.79	10.4	0.1	4.0	2.5	0.24
11	.735	76.7	87.3	69.3	.681	73.8	— 2.53	+ 6.46	8.6	1.3	6.1	4.0	1.80
12	.746	78.4	86.7	72.0	.778	80.2	— 0.26	+ 5.91	8.5	3.5	4.7	3.4	0.79
13	.807	78.6	87.2	71.3	.754	76.4	— 0.13	+ 8.74	9.4	1.5	4.6	4.4	2.22
14	.752	78.5	87.6	71.4	.738	76.1	— 0.61	+10.82	11.3	0.7	5.1	4.6	0.89
15	.741	77.0	84.9	71.6	.734	78.0	— 0.11	+10.43	11.1	0.7	6.5	4.1	2.73
16	.816	75.9	81.8	71.3	.789	86.4	— 2.38	+14.24	14.8	0.0	8.0	4.6	7.45
17	.715	75.1	80.4	71.2	.769	87.1	+ 4.98	+11.37	13.2	0.6	8.9	4.4	7.73
18	.719	77.7	84.8	72.8	.797	83.5	+ 5.76	+ 8.85	12.0	0.7	6.9	3.6	2.72
19	.748	77.4	86.3	71.6	.764	81.6	+ 0.01	+ 8.65	8.9	1.3	5.4	3.0	0.45
20	.669	76.6	83.9	70.4	.756	84.0	— 1.34	+ 5.26	8.5	2.0	5.5	2.7	0.75
21	.789	74.3	85.0	64.5	.647	76.8	— 3.02	+ 2.24	7.4	2.1	2.1	3.4	0.00
22	.804	76.8	84.8	71.9	.760	83.7	— 1.11	+ 6.29	7.3	2.0	6.6	4.8	1.34
23	.852	73.5	83.7	65.5	.625	72.5	— 4.67	+ 8.88	10.2	1.0	2.9	4.8	0.05
24	.845	73.7	85.5	64.3	.640	78.0	— 2.82	+ 5.24	7.1	0.0	2.8	4.2	0.03
25	.844	75.0	81.9	70.7	.694	79.5	— 7.72	+13.61	16.2	0.4	6.3	5.7	1.29

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

TABLE LVIII.—*Continued.*

Five Day Means, 1895.

No. 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.			0—10	Inches.
26	29.892	73.5	81.3	68.4	.618	74.4	−4.35	+14.48	15.5	2.2	4.4	5.4	0.16
27	.872	74.0	83.7	66.5	.674	79.1	−3.87	+ 6.91	8.6	0.5	3.4	4.1	0.04
28	.911	74.2	81.8	68.6	.685	80.3	−5.29	+11.92	13.2	0.3	4.3	5.0	0.59
29	30.000	72.2	79.7	67.0	.595	73.1	−4.70	+14.17	15.3	0.3	4.0	5.9	0.63
30	29.945	71.0	81.0	63.1	.605	79.8	−2.35	+ 6.98	8.7	0.0	4.9	5.8	0.38
31	.943	71.0	79.1	65.0	.555	73.6	−5.48	+13.70	15.7	0.2	4.7	5.6	0.29
32	.936	69.1	79.3	61.4	.562	76.2	−3.93	+ 9.99	10.9	0.2	6.4	4.2	0.81
33	.913	70.4	77.9	65.0	.570	76.4	−7.81	+16.03	18.2	0.6	6.4	4.0	0.78
34	.960	69.3	78.9	62.6	.540	73.1	−4.79	+ 8.78	10.6	0.0	4.5	4.2	0.29
35	.993	65.3	77.1	54.7	.459	69.8	−6.61	+ 7.58	10.6	0.0	2.4	4.5	0.13
36	30.014	69.9	78.3	63.3	.577	77.9	−6.00	+ 8.25	10.6	0.0	6.6	3.8	0.20
37	29.977	68.5	78.9	61.2	.582	81.2	−4.11	+ 7.46	8.8	0.4	5.2	5.8	0.59
38	.980	68.3	79.8	59.7	.560	77.5	−4.67	+ 6.72	8.7	0.0	4.3	4.0	0.11
39	.968	69.3	80.6	60.3	.562	77.0	−2.70	+ 8.00	8.8	0.0	2.6	3.7	0.00
40	.995	67.6	80.3	56.7	.545	78.8	−2.77	+ 5.69	7.7	0.0	3.8	2.7	0.00
41	30.025	67.9	78.1	60.2	.489	70.5	−6.67	+11.20	13.6	0.1	5.0	3.9	0.12
42	.040	68.8	78.6	61.4	.550	77.4	−4.98	+11.25	12.6	1.3	4.1	6.7	0.63
43	29.983	69.1	80.6	60.0	.543	76.2	−3.01	+ 7.10	8.6	0.0	5.9	5.0	0.24
44	.932	67.8	80.6	56.6	.481	69.5	−5.75	+ 7.63	10.2	0.0	2.4	5.1	0.00
45	.911	68.2	76.4	63.4	.599	85.5	−4.68	+13.88	15.1	0.0	8.6	6.0	2.74
46	.997	69.4	78.9	63.7	.578	79.8	−2.63	+13.68	14.2	0.0	6.6	6.2	0.86
47	.974	69.6	80.4	61.2	.542	76.1	−2.38	+ 9.04	10.5	0.0	4.6	5.7	0.46
48	30.027	66.5	75.8	59.9	.435	66.0	−9.69	+13.01	17.2	0.0	5.5	5.4	0.09
49	.034	69.7	79.1	64.2	.574	79.4	−2.06	+14.18	14.8	0.2	5.6	6.1	0.35
50	.008	69.1	79.3	61.9	.579	81.3	−3.00	+ 8.34	9.6	0.0	6.7	3.7	0.24

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

TABLE LVIII.—*Continued.*

Five Day Means, 1895.

No. 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.			0—10	Inches.
51	29.963	71.1	81.1	63.9	.556	75.2	− 0.92	+11.02	11.5	0.3	5.2	3.0	0.21
52	30.003	69.1	80.8	59.6	.509	71.2	− 4.19	+ 9.37	10.5	0.0	5.1	5.1	0.11
53	.014	69.6	81.6	59.7	.546	76.2	− 3.74	+ 8.44	9.8	0.0	5.3	3.0	0.07
54	.012	70.1	83.0	59.4	.519	72.2	− 2.07	+ 9.65	10.4	0.0	5.6	4.6	0.14
55	.006	70.0	82.0	61.7	.492	70.1	− 6.20	+11.41	13.2	1.7	4.3	3.1	0.04
56	29.928	72.5	82.7	64.4	.598	76.9	+ 0.81	+ 8.56	11.8	1.2	6.0	4.3	0.29
57	.878	72.9	84.8	64.0	.596	76.1	− 0.76	+ 7.16	8.7	1.3	5.4	3.8	0.01
58	.877	74.0	86.6	63.9	.620	74.5	− 1.15	+ 7.26	8.2	0.1	5.0	3.2	0.03
59	.892	73.4	87.1	62.1	.599	76.3	− 0.98	+ 4.33	6.8	0.0	4.9	4.6	0.19
60	.946	75.0	88.1	64.9	.605	71.7	− 2.48	+10.77	11.4	0.0	4.6	4.3	0.08
61	.913	74.1	88.6	62.3	.576	70.4	− 3.11	+ 9.70	10.7	0.1	3.5	0.4	0.09
62	.900	73.2	85.3	62.6	.614	78.5	− 1.89	+ 3.68	7.8	0.8	5.2	0.5	0.96
63	.955	75.6	86.6	65.5	.630	74.3	+ 1.19	+ 6.90	9.3	1.4	4.5	2.6	0.16
64	.930	75.4	87.1	65.8	.661	77.9	− 1.27	+ 6.95	9.8	0.7	5.4	3.1	0.35
65	.883	74.5	85.4	66.7	.636	76.2	− 2.58	+13.83	14.8	0.7	4.3	2.8	0.73
66	.798	77.3	88.6	67.1	.675	75.1	+ 3.50	+ 7.35	8.5	0.6	4.7	2.8	0.15
67	.874	77.3	89.8	68.1	.640	69.6	− 2.53	+ 9.56	10.4	0.2	3.8	4.1	0.14
68	.846	76.4	88.8	66.0	.594	67.7	− 0.16	+11.61	12.1	1.5	3.4	4.4	0.12
69	.789	78.2	88.5	67.7	.698	76.6	+ 2.35	+ 5.69	7.9	0.4	4.4	4.3	0.99
70	.730	76.1	87.4	66.8	.659	73.4	− 5.89	+ 4.22	9.2	0.0	4.9	4.4	0.22
71	.837	76.8	86.0	70.4	.702	77.2	− 0.96	+11.62	12.2	0.8	6.3	4.7	2.73
72	.825	76.4	85.2	70.7	.734	80.5	− 1.99	+15.14	15.9	0.9	8.5	4.9	2.38
73	.755	76.4	84.2	70.6	.630	75.6	0.32	+13.33	13.6	2.6	5.5	5.1	0.11

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

METEOROLOGICAL OBSERVATIONS.

TABLE

Showing approximately the Dates, Localities, &c.,

Dates.	Localities.				Vessels by which experienced.	Winds.	
	Latitude.		Longitude.				
	From	To	From	To		Direction.	Max. Force.
Jan.							Beaufort.
8	14° S.	...	72° E.	...	Sir Lancelot	N.N.W., N.	8
12—17	19 „	13° S.	58 „	66° E	Lioness, Ebenezer, S.S. Thibet, Sir Lancelot, Emma Jane.	All points	9
Feb.							
8— 9	41° S.	40° S.	38° E.	42° E.	County of Linlithgow	N.E., E., W.S.W., S.W....	9
13—16	30 „	28 „	106 „	95 „	Lodestar...	E.S.E., S. E.	8
16—18	36 „	36 „	66 „	71 „	County of Linlithgow	S.Ely., N.Ely.	8
21—23	36 „	34 „	78 „	81 „	County of Linlithgow	E.,E.N.E.,N.E.,N.,W.N.W.	8
March.							
1— 3	33° S.	35° S.	18° E.	20° E.	S.S. Dunbar Castle	S.Ely., Sly.	8
2— 7	42 „	39 „	55 „	76 „	Juteopolis	N.N.W., N.W., W.N.W., W., S.S.W.	8
18—20	18 „	23 „	11 „	13 „	S.S. Willow Branch	S.S.W., S....	9
21—26	16 „	1 „	87 „	90 „	Juteopolis	E., S.E., S., S.W., W., W.N.W.	9
April.							
8— 9	39° S.	40° S.	6° E.	10° E.	Gwrtheyrn Castle	S.S.W., S.W., W.S.W. ...	...
8— 9	18 „	19 „	55 „	54 „	Wild Rose	E., E.S.E., S., S.W. ...	...
17	7 „	...	66 „	...	S.S. Akbar	W., W.S.W., S.E.b.S. ...	9
23—24	43 „	41 „	14 „	16 „	Coruna	S.W.	9
23—24	10 „	11 „	83 „	81 „	Mexico	S.E., S.S.E., S.	9
23—25	16 N.	15 N.	89 „	88 „	Champion	S.E.,E.,W.N.W.,W.,N.W.	...
25—26	31 S.	30 S.	42 „	40 „	William Wilson...	W.S.W., S.S.W.	9

METEOROLOGICAL OBSERVATIONS.

LIX.

of Hurricanes and Gales in the Indian Ocean in 1895.

Barometer.		Remarks.	Mauritius.					
			Barometer.		Temperature.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. velocity per hour.
Inches.	Inches.		Inches.	Inches.	Deg.	Deg.		Miles.
29.94	29.90	Violent squalls, very high sea and heavy rain.	29.879	...	85.6	75.8	N.E. to S.E.	19.2
29.89	29.20	Terrific gale, high cross sea, blinding rain, lightning and squalls of hurricane force.	29.756	29.552	87.5	75.1	S.E., E.S.E., S.E., S., W.S.W., W.	38.8
...	...	Heavy gale, high confused sea.	29.962	29.910	87.0	70.4	S.S.E., E.S.E., E., E.b.N.	19.6
30.20	30.10	Squally, gloomy, strong wind and rain.	29.928	29.854	88.3	66.8	Variable, E.S.E. ...	16.0
...	...	Very hard squalls, very high sea and rain.	29.892	29.854	89.5	72.3	E.S.E., S.E.	19.9
...	...	Very heavy sea, squally, rain.	29.997	29.832	84.0	70.5	S.S.E., variable, E.S.E.	17.6
30.32	30.23	Strong wind and high sea ...	30.045	29.944	84.8	73.0	E.,E.N.E.,E.S.E.,E.N.E.	15.3
30.26	29.52	Strong wind, violent squalls, dark weather.	30.036	29.944	85.0	73.0	E.N.E., E., E.S.E. ...	16.6
...	...	Strong head wind, high sea...	30.054	29.919	81.6	70.1	E.S.E., E.	25.5
30.10	29.78	Hazy, terrific squalls, heavy rain, blowing a hurricane.	30.005	29.801	82.7	71.2	E., E.N.E., N.E. ...	24.2
...	...	Terrific squalls, heavy sea and showers of rain.	29.913	29.788	79.0	72.3	E., E.b.N., E., E.S.E.	16.2
...	...	Blowing a hard gale with very high confused sea.	29.913	29.788	79.0	72.3	E., E.b.N., E., E.S.E. ...	16.2
...	...	Squally, passing showers of rain.	29.972	...	82.6	72.6	S.E., E., N.E.	14.2
...	...	Tremendous sea, dull weather.	30.080	30.034	79.8	70.2	S.E., E.S.E.	17.8
...	...	High cross sea, squally, lightning.	30.080	30.034	79.8	70.2	S.E., E.S.E.	17.8
29.88	29.02	Hurricane squalls, much damage done, sudden shift of wind, oil bags in use.	30.080	29.979	79.8	69.4	S.E., E.S.E.	19.8
...	...	Heavy swell, rain, occasional fine weather.	30.034	29.979	80.5	69.4	S.S.E., E.S.E., N.E.b E., S.E.	19.8

METEOROLOGICAL OBSERVATIONS.

TABLE

Showing approximately the Dates, Localities, &c.,

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Winds. Direction.	Max. Force.
May.							Beaufort.
1— 2	17°S.	19°S.	62°E.	58°E.	S.S. Mount Hebron	S.S.E., S.E.	9
4— 9	16 „	21 „	71 „	58 „	Mexico, S.S. Akbar, Crystal, Skolfield.	E.N.E., E., E.S.E., S.E. ...	9
13—16	3 N.	12 N.	100 „	95 „	S.S. Vadala	N., N.W., W.S.W., S.W....	8
26—29	10 S.	14 S.	92 „	82 „	Golden Fleece	E.S.E., S.E., S.S.E. ...	...
June.							
2— 5	15° S.	18° S.	79°E.	65°E,	Champion, Golden Fleece ...	S.S.E., E.S.E., E., E.N.E.	8
5— 6	38 „	39 „	118 „	117 „	Largo Law	N.N.W.,N.W.,W.,W.S.W.	9
5— 7	39 „	36 „	28 „	40 „	Orellana, Federation	W.N.W., W.S.W., S. W.	9
7—12	9 „	20 „	65 „	58 „	S.S. Akbar, S.S. Warora ...	S.E.b.S., E.S.E., S.E. ...	9
12	4 N.	4 N.	94 „	93 „	John Davie, Centre Amérique...	W., W.S.W., W.N.W. ...	9
12—13	33 S.	35 S.	17 „	19 „	Greyhound	S.W., W.S.W., W. ...	8
15—20	33 „	37 „	25 „	55 „	Greyhound, William Wilson ...	N.,N.W.,W.,W.S.W.,S.W.	9
22—26	37 „	31 „	49 „	59 „	Greyhound	N.N.E., N., N.N.W., W.N.W., W.	8
July.							
2— 4	40°S.	40°S.	9°E.	18°E.	Misti	N., N.W., W., S.W. ...	...
2— 5	41 „	39 „	23 „	40 „	Bay of Bengal	N.N.E., N., N.N.W., W., W. S. W., S. W.	9
3— 6	40 „	39 „	119 „	113 „	Shenir	W.S.W., W.N.W., N.N.W.	9
7—11	39 „	36 „	25 „	38 „	Misti	N.W.,W.,S.W.,S.,S.E., E.	...
7—12	12 N.	2 „	49 „	46 „	S.S. Ville du Havre	S.E., S.S.W., S.W. ...	8
14—16	14 N.	8 N.	84 „	69 „	Dunblane, S.S. Jubeda ...	W.N.W., W., W.S.W., S.W., S.S.W.	9
19—25	37 S.	41 S.	1 „	28 „	St. Cuthbert, Birmah, Knight of St. John.	N.E., N., N.W., W.S.W....	9
22—25	19 N.	13 N.	87 „	85 „	S.S. Wardha	W., W.S.W., S.W., S.S.W., S., S.S.E.	8
22—28	40 S.	37 S.	100 „	118 „	E. J. Spence, Annie Brown ...	N.E., E., E.S.E., N., S.W., W.S.W., W.	9
31	18 N.	15 N.	88 „	92 „	Skolfield	W.,W.S.W., S.W., S.S.W.	...

METEOROLOGICAL OBSERVATIONS.

LIX.—(*Continued.*)

of Hurricanes and Gales in the Indian Ocean in 1895.

Barometer.		Remarks.	Mauritius.					
			Barometer.		Temperature.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. velocity per hour.
Inches.	Inches.		Inches.	Inches.	Deg.	Deg.		Miles.
29.30	29.25	Violent gusts of hurricane force and high cross sea.	30.071	29.986	79.5	69.4	S.E.b.E., S.S.E., S.E., E.S E.	25.1
30.00	29.78	Very high cross sea and rain.	30.128	30.016	78.7	70.0	E.S.E., East	30.2
29.95	29.81	Heavy squalls, frequent rain and lightning.	30.065	30.037	79.9	69.6	S.S.E., S.E., E.S.E. ...	20.4
30.14	30.02	High cross sea, heavy squalls, rain.	30.170	30.076	78.2	66.2	E., E.b.S., E.S.E., Variable.	20.2
30.24	30.08	Very high cross sea, violent squalls with rain.	30.181	30.113	77.6	67.1	S.E., E.S.E., E. ...	28.4
30.10	29.79	Fierce squalls, very high sea, vivid lightning, rain.	30.181	30.091	75.7	66.0	E.S.E., E.	25.8
29.76	29.09	Violent squalls, heavy rain and hail, very high sea, lightning and thunder.	30.181	30.091	76.3	66.0	E.S.E., E.	25.8
29.98	29.68	High sea, squally and rainy.	30.122	30.083	76.3	64.0	E.S.E., S.E.	29.6
...	...	Terrific squalls, heavy rain, very high confused sea.	30.083	.....	74.7	67.3	E.S.E., S.E.b.E. ...	25.8
30.20	29.87	Fresh gale, high sea, lightning.	30.161	30.083	76.0	67.3	S.E.b.E., E.S.E., E.b.S.	27.4
30.12	29.56	High sea, hard squalls, lightning and hail.	30.199	30.127	76.3	64.0	E.b.S., E.S.E., S.E., S.	22.8
29.90	29.55	Very heavy squalls and high sea.	30.195	30.151	76.9	54.8	S.E., E.S.E.	18.5
30.28	29.57	Gros mauvais temps, forte mer.	30.180	30.154	76.7	64.5	E.S.E., S.E.	14.7
29.90	29.60	High sea, squalls, rain at intervals.	30.180	30.154	77.0	64.5	E.S.E., S.E.	14.7
29.90	29.35	Squally, high confused sea, lightning and rain.	30.180	30.157	77.0	64.5	E.S.E., S.E., variable ...	14.7
30.16	29.65	Gros mauvais temps, forte mer, éclairs et tonnerre.	30.192	30.140	76.0	60.6	S.E., E.S.E.	19.6
...	...	Very heavy confused sea, squally with rain.	30.192	30.140	77.3	60.6	S.E., E.S.E., E.N.E. ...	19.6
29.90	29.72	Heavy cross sea, violent squalls, lightning, rain.	30.190	30.160	76.3	63.3	E.S.E., E.	13.8
29.98	28.90	High sea, violent squalls, rain, hazy, much damage done.	30.280	30.127	75.4	59.0	W.S.W., S.E., S.S.E., S.E., E.S.E.	25.9
29.73	29.56	Violent squalls, very high sea, torrential rain, lightning and thunder.	30.280	30.211	75.4	62.7	E.S.E., E.	25.9
30.30	29.10	High confused sea, rain and hard squalls.	30.280	30.211	75.4	62.7	E.S.E., E., S.E.b.E. ...	25.9
29.58	29.[illegible]	Very high confused sea, heavy squalls.	30.222	.....	74.8	66.1	S.E.b.E., E.S.E. ...	20.9

METEOROLOGICAL OBSERVATIONS.

TABLE

Showing approximately the Dates, Localities, &c.,

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Winds. Direction.	Winds. Max. Force.
August.							Beaufort.
July 31 to Aug. 5	35°S.	39°S.	32°E.	51°E.	Umvoti	N.W., W., W.b.S., W.S.W., S.W.	9
6—14	33 „	36 „	29 „	20 „	Greyhound	All points	...
8—10	12 N.	9 N.	51 „	57 „	S.S. Knight of St. John ...	S., S.S.W., S.W.	8
9	39 S.	.....	69 „	.....	Umvoti	W., W.S.W., S.W. ...	9
18—19	5 N.	6 N.	90 „	95 „	S.S. Knight of St. John ...	S., S.S.W....	8
18—21	36 S.	35 S.	21 „	20 „	Greyhound	N.N.W., W.N.W., W., S.W.	...
20—23	7 „	12 „	88 „	79 „	Golden Fleece	S.E.	9
21—24	11 „	21 „	63 „	47 „	S. S. Akbar, S. S. Megna, William Wilson.	S.E., S., S.S.W., S.S.E. ...	8
27—29	16 „	20 „	68 „	57 „	Golden Fleece, William Wilson.	S.S.E., S.E., E.S.E. ...	9
Sept.							
2— 5	13°N.	14°N.	92°E.	92°E.	Osburgha	W., W.N.W., W.S.W., S.W.	9
5—11	35 S.	40 S.	19 „	38 „	Greyhound	N.N.W., N.E., S., S.W., N., N.W., W.	8
12—15	39 „	37 „	12 „	27 „	Buccleuch, Clackmannanshire...	W.N.W., W.S.W., S.S.W., S.	8
15	36 „	...	49 „	...	Greyhound	N.W., W.	9
18—21	39 „	37 „	30 „	45 „	Clackmannanshire, Buccleuch...	E., N., N.N.W., N.W. ...	9
20—23	36 „	35 „	120 „	113 „	Elizabeth, County of Ayr ...	E., N.N.W., N.W., W., S.W., S.S.W.	9
Oct.							
3— 4	37°S.	37°S.	24°E.	27°E.	Sierra Blanca	S.b.W., S.S.W.	...
3— 6	36 „	34 „	115 „	114 „	Carnegie	N.W., W.N.W., W. ...	8
8— 9	37 „	36 „	34 „	39 „	Sierra Blanca	S.S.W., S.W., W.S.W. ...	9
14—16	7 „	12 „	73 „	69 „	S.S. Knight of St. John ...	S.E., E.S.E.	8
14—17	44 „	45 „	32 „	48 „	Melanope	All points	...
19—24	45 „	44 „	59 „	86 „	Melanope	S.W., W.S.W., W., W.N.W., N.W., N., N.N.E.	8

METEOROLOGICAL OBSERVATIONS.

LIX.—(*Continued.*)

of Hurricanes and Gales in the Indian Ocean in 1895.

Barometer.		Remarks.	Mauritius.					
			Barometer.		Temperature.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. Velocity per hour.
Inches.	Inches.		Inches.	Inches.	Deg.	Deg.		Miles.
30.60	30.00	Terrific squalls of hurricane force, cross sea, hail, rain.	30.222	30.103	77.3	59.9	S.E., E.S.E., E., W.S.W., S.E., E.b.N., S.E.b.S.	20.9
...	...	Strong gale, very high sea, squally.	30.177	30.059	76.3	62.6	S.E., E.S.E., E. ...	27.4
...	...	High confused sea, strong monsoon.	30.130	30.059	75.3	62.6	S.E., E.S.E.	25.1
...	...	Heavy rain, squally, hail. ...	30.059	.....	73.5	65.1	S.E., E.S.E.	17.6
...	...	Heavy confused sea	30.208	30.200	75.5	65.3	E.S.E., E.b.S. ...	23.4
...	...	Squally, very high sea. ...	30.208	30.150	76.5	62.1	E.S.E., E.b.S., E.b.N. ...	23.4
30.09	29.99	Squally with high cross sea...	30.170	30.127	77.2	62.1	E.N.E., E., E.S.E., variable.	20.3
30.30	29.76	Heavy confused sea, squally.	30.190	30.127	77.2	62.1	E.S.E., E., E.N.E., variable, S.W., S.E.	35.5
30.29	30.15	Squally, rain, high cross sea.	30.281	30.228	73.3	61.0	S.E.b.E., E.S.E., E. ...	29.1
...	...	Squally, heavy rain, lightning and thunder.	30.228	30.169	76.4	59.7	E.N.E., E., S.E., variable, E.S.E.	17.1
29.75	29.50	Strong squalls and thick rain.	30.228	30.131	77.4	65.5	E.S.E., E., E.b.N. ...	23.2
30.42	29.55	Hurricane squalls, mountainous sea, hail.	30.217	30.131	77.0	62.0	E., E.S.E., S.E. ...	20.2
29.70	29.48	Cloudy and squally	30.185	...	74.5	66.5	S.E., E.S.E., E.b.S. ...	19.3
30.40	29.60	Heavy confused cross sea, squally, lightning.	30.218	30.167	78.4	61.0	E.b.S., E.S.E., S.E. ...	21.1
...	...	Hard squalls, heavy sea, oil bags in use.	30.207	30.167	78.4	62.2	S.E., E.S.E., E., variable, E.N.E.	20.4
30.30	29.92	High gale with violent squalls, very high confused sea, rain.	30.176	30.152	78.4	66.0	E.S.E., E., E.N.E. ...	19.1
30.20	29.80	Squally, high cross sea, lightning, rain.	30.176	30.065	78.4	66.0	E.S.E., E., E.N.E., N.E., N.N.E., N., W.	19.1
29.91	29.86	Sudden increase of wind from S.S.W.	30.092	30.069	77.6	68.0	S.E., E.S.E., E., E.N.E.	21.3
29.80	29.68	Violent squalls, high confused sea.	30.063	30.039	80.8	67.6	E.S.E., E.b.N., E.b.S., E.S.E., S.E.	16.5
29.80	28.83	Terrific squalls, rain, very high sea.	30.063	30.039	81.5	67.3	E.S.E., E.b.N., E.b.S., E.S.E., E.N.E.	16.5
30.03	29.08	Terrific hail and snow, violent squalls, very high sea.	30.149	30.040	82.2	65.0	All points	18.4

METEOROLOGICAL OBSERVATIONS.

TABLE

Showing approximately the Dates, Localities, &c.,

Dates.	Localities.				Vessels by which experienced.	Winds.	
	Latitude.		Longitude.				
	From	To	From	To		Direction.	Max. Force.
Nov.							Beaufort.
2— 4	38°S.	40°S.	41°E.	47°E.	Oaklands	W.N.W., W., W.S.W., S.W.	9
2—10	39 „	39 „	89 „	110 „	Golden Fleece	N.W., N.N.W., N., E., S.E., S.S.E.	...
4—7	32 „	34 „	35 „	29 „	Greyhound	All points	8
15—17	23 „	20 „	60 „	59 „	Merritt	S., S.S.E., S.E.	8
21—24	43 „	44 „	2 „	15 „	Craignair	W.N.W., N.W., N.N.W., N., W., W.S.W.	8
Dec.							
6— 8	36°S.	37°S.	19°E.	28°E.	Greyhound	N.W., W.N.W., W., S.W.	...
10—11	17 N.	19 N.	84 „	86 „	S.S. Matiana, Skolfield ...	N.E.,N.N.E.,N.N.W.,N.W.	8
14—15	37 S.	36 S.	43 „	47 „	Greyhound	N.W.,W.N.W.,W.,W.S.W.	8
25—27	18 „	19 „	95 „	92 „	Solitaire	N.E., E., S.S.W.	9
30—31	22 „	20 „	54 „	49 „	Myrtle M., Lioness	E.S.E., S.E.	...

METEOROLOGICAL OBSERVATIONS.

LIX.—(*Continued.*)

of Hurricanes and Gales in the Indian Ocean in 1895.

Barometer.		Remarks.	Mauritius.					
			Barometer.		Temperature.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. Velocity per hour.
Inches.	Inches.		Inches.	Inches.	Deg.	Deg.		Miles.
29.70	29.20	Very high sea	30.116	30.047	81.4	66.6	E.S.E., E., E.N.E., N.N.E., S.E.	19.3
30.17	29.39	Terrific squalls, rain and hail, much damage done.	30.171	30.047	83.0	64.4	All points	22.6
...	...	Squally, high sea and rain ...	30.171	30.047	80.5	64.4	All points	22.6
...	...	Heavy sea, squally, rain ...	30.133	30.079	79.4	68.9	Variable, E.S.E., S.E.b.E.	28.1
29.92	29.12	Very high sea, squally, rain with hail.	29.989	29.952	83.0	69.0	E., E.N.E., N.E., N.N.E.	14.5
29.40	29.25	Strong squalls, very high sea.	30.041	29.952	83.7	72.0	E.b.N., E., E.b.S. ...	19.9
30.07	29.87	Hard squalls, high confused sea.	29.974	29.906	82.5	71.7	N.E., variable, S.E., N. N.W.	11.5
29.70	29.59	Squally, hazy...	29.921	29.896	82.0	72.1	S.S.E., S.b.W.	26.8
29.80	29.01	Heavy gale, sudden shift from E. to S.S.W., oil bags in use, much damage done.	30.041	29.953	81.1	70.0	E.S.E., E.	27.9
...	...	Bourrasque, fortes raffales et pluie.	29.914	29.892	80.0	73.0	E., E.b.N.	19.5

METEOROLOGICAL OBSERVATIONS.

CYCLONES AND STORM-WARNINGS.

In 1895, there were, as far as is yet known, at least two Tropical Cyclones in the South Indian Ocean.

I. From the 12th. to the 17th. of January, a cyclone travelled from about 15° S. and 65° E. to about 18° S. and 59° E., on a W.S.Wly course; after which it curved to Srd. and S. Erd.

From 9. a.m. to 1 p.m. on the 13th., five Weather Telegrams were despatched from the Observatory ; and the following note to the newspapers :—

" Since 8 a. m. on the 12th. the wind has been from S. Erd., and is so still (1 p. m. of 14th). Its " greatest mean velocity for one hour was 39 miles between 9.30 and 10.30 p. m. of the 13th., and from " midnight of the 13th. to 3 a.m. of the 14th., 34 miles ; but in the squalls, the velocity was greater.

" The Barometer (reduced to sea-level) fell from 29.876 inches at 9 a. m. on the 9th., to 29.683 " inches at 9 a.m. on the 13th., and then rose to 29.764 inches at 9 a.m. on the 14th.

" The Rainfall on the 14th. has been only 0.49 inches.

" On the 12th., thunder was heard between 3.15 and 4.18 p.m. at Wrd. and S.Wrd. "

It was reported, that on the 13th. after 6 p.m. the *Star Queen* was wrecked near Frégate Island (to the westward of Rodrigues), and four persons drowned.

On the 16th., the following note was sent to the newspapers :—

" From 9 a.m. on the 14th. to 9 a.m on the 16th., the barometer fell from 29.764 inches (at sea- " level) to 29.584 inches, and it is now (1 p.m. of the 16th.) rising a little."

" From 1 p.m. on the 14th. to 9 a.m. on the 15th. the wind was between S.E. b. E. and S.E. ; " since 11 a.m. on the 15th., it has been backing slowly to Southward, and is now (1 p.m. of the 16th.) " still from S.b.W. The greatest velocity for one hour since 1 p.m. on the 14th. has been 30 miles. " No fear of an increase of wind. "

The cyclone was encountered at sea by the *S. S. Thibet, Lioness, Ebenezer, Sir Lancelot,* and *Emma Jane.*

II. From the 21st. to the 26th. of March, the barque *Juteopolis* (Capt. Linklater) in Lat. 16° S. to 1° S. and Long. 87° E. to 90° E., experienced heavy gales from the E., S.E., and S.W., with terrific squalls and heavy rain, blowing a hurricane on the night of the 22nd. The barometer fell from 30.10 inches at noon on the 21st., to 29.78 inches at noon on the 23rd.

At Mauritius, from 9 a.m. on the 18th. to 9 a.m. on the 27th., the barometer fell from 30.077, to 29.830 inches and from 30.022 inches at 3 p.m. on the 18th., to 29.772 inches at 3. p. m. on the 27th., ; it then rose to 29.961 inches at 9 a.m. on the 29th.

The wind veered from E.S.E. on the 18th. to N. on the 27th. and its greatest velocity was 25.5 miles an hour from E. b. S. on the 18th. Five Weather Telegrams were despatched to the Harbour-Master, and the following notes to the newspapers :—

" March 25. Weather unsettled, but no fear for the next two days."

" March 26. Weather still unsettled. "

III. On the 10th. of April, notice was sent to the newspapers stating that a Cyclonic depression had passed Erd. and S.Erd. of the Island.

At the Observatory, from 9 a.m. on the 8th. to 4 p.m. on the 9th., the barometer fell from 29.952 inches to 29.741 inches ; the wind veered from S. E. b. E. at 4 a.m. on the 9th. to E. N. E. at noon on the same day, and then backed to E., S.E., S., and S.W., reaching S.W. at 4 a.m. on the 10th. Its greatest velocity for one hour was 16 miles on the 9th.

The Cyclone travelled from about 16° S. and 54° E. on the 8th. to 21° S. and 62° E. on the 10th., and was encountered at sea by the Schooner *Wild Rose.*

METEOROLOGICAL OBSERVATIONS.

Cyclones and Storm-Warnings.—(*Continued.*)

IV. On the 27th. of December, in Lat. 19° S. and Long. 92° E. the ship *Solitaire* (Captain S. F. Ryer) encountered a heavy gale from Erd. At 10 p.m. the wind suddenly shifted to S.S.W., throwing the ship on her beam ends, the lee rail being all under water; the lowest barometer reading, 29.01 inches, occurred at about this time.

At Mauritius, from 1 p. m. on the 25th. to 1 a.m. on the 26th. the barometer rose from 30.022 to 30.052 inches; the wind veered from E.S.E. to E. and the greatest velocity for one hour was 26 miles.

The following note was sent to the newspapers on the 29th :—" No indications of a Cyclone approaching the Island."

C. MELDRUM,

Director.

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