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National Oceanic and Atmospheric Administration

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METEOROLOGICAL OBSERVATIONS.

Results of Meteorological Observations taken during the year 1892, 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 and, when necessary, corrections have been applied for their respective errors.

Continuous records of the temperature and pressure of the air 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 Beckleys 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.

The results given in tables VI to X 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.

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

Results of the Observations.

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

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

No correction has been applied for the influence of gravity on the barometrical readings. For a pressure of 30,000 inches, the correction for the latitude of the observatory is—.060 inch.

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

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

TABLE I.

Hourly and Monthly Means of the Atmospheric Pressure during the year 1892.

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.	inch.
0	29.778	29.688	29.737	29.799	29.905	29.957	30.008	29.972	30.049	29.949	29.887	29.856	29.882	+ .016
1	29.764	29.676	29.726	29.792	29.898	29.952	30.004	29.965	30.039	20.939	29.875	29.844	29.873	+ .007
2	29.748	29.661	29.710	29.777	29.886	29.938	29.989	29.952	30.025	29.927	29.862	29.832	29.859	− .007
3	29.742	29.656	29.704	29.770	29.879	29.929	29.982	29.945	30.016	29.922	29.857	29.827	29.852	− .014
4	29.741	29.653	29.697	29.764	29.872	29.923	29.974	29.937	30.013	29.921	29.857	29.826	29.848	− .018
5	29.751	29.658	29.702	29.767	29.876	29.924	29.975	29.940	30.019	29.931	29.863	29.835	29.853	− .013
6	29.767	29.669	29.713	29.776	29.886	29.931	29.981	29.950	30.029	29.941	29.877	29.851	29.864	− .002
7	29.779	29.683	29.727	29.791	29.902	29.945	29.995	29.965	30.045	29.956	29.888	29.863	29.878	+ .012
8	29.785	29.693	29.744	29.805	29.916	29.962	30.012	29.978	30.055	29.964	29.895	29.869	29.890	+ .024
9	29.790	29.698	29.754	29.819	29.928	29.975	30.029	29.993	30.062	29.967	29.899	29.872	29.899	+ .033
10	29.785	29.692	29.751	29.817	29.924	29.970	30.026	29.990	30.057	29.960	29.889	29.866	29.894	+ .028
11	29.780	29.685	29.742	29.806	29.911	29.960	30.016	29.980	30.045	29.948	29.879	29.861	29.884	+ .018
12	29.768	29.671	29.724	29.783	29.889	29.940	29.992	29.958	30.021	29.929	29.861	29.845	29.865	− .001
13	29.756	29.655	29.708	29.764	29.870	29.922	29.973	29.941	30.005	29.911	29.845	29.833	29.849	− .017
14	29.741	29.638	29.693	29.752	29.855	29.908	29.958	29.923	29.988	29.893	29.829	29.818	29.833	− .033
15	29.732	29.631	29.686	29.749	29.854	29.907	29.955	29.918	29.980	29.887	29.821	29.809	29.827	− .039
16	29.725	29.626	29.688	29.753	29.858	29.910	29.959	29.920	29.981	29.886	29.819	29.806	29.828	− .038
17	29.733	29.632	29.695	29.762	29.870	29.923	29.971	29.930	29.991	29.898	29.831	29.814	29.837	− .029
18	29.746	29.647	29.708	29.773	29.881	29.931	29.980	29.940	30.006	29.916	29.847	29.827	29.850	− .016
19	29.767	29.665	29.726	29.787	29.894	29.947	29.995	29.957	30.025	29.934	29.868	29.847	29.868	+ .002
20	29.777	29.682	29.740	29.805	29.908	29.958	30.008	29.970	30.041	29.950	29.883	29.859	29.882	+ .016
21	29.787	29.695	29.753	29.815	29.919	29.968	30.018	29.979	30.055	29.962	29.896	29.868	29.893	+ .027
22	29.794	29.699	29.755	29.815	29.918	29.966	30.018	29.982	30.057	29.964	29.904	29.874	29.895	+ .029
23	29.794	29.695	29.752	29.809	29.917	29.964	30.017	29.980	30.054	29.959	29.901	29.871	29.893	+ .027
Monthly Means ...	29.764	29.669	29.722	29.785	29.892	29.942	29.993	29.957	30.027	29.934	29.868	29.845	29.866	
Monthly Means reduced to sea-level...	29.952	29.856	29.910	29,974	30.082	30.133	30.185	30.149	30.219	30.126	30.058	30.034	30.056	

* The observations of the 29th. April have been excluded from the hourly means. The monthly mean for April reduced to sea-level including the 29th. is 29.954 inches.

TABLE II.

Daily and Monthly Means of the Atmospheric Pressure during the year 1892.

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	29.855	29.802	29.632	29.840	29.885	29.915	29.906	30.012	30.031	29.942	29.851	29.864
2	29.827	29.792	29.637	29.895	29.894	29.917	29.894	29.975	29.994	30.009	29.860	29.854
3	29.837	29.809	29.589	29.918	29.862	29.924	29.924	29.955	29.983	29.993	29.891	29.847
4	29.824	29.796	29.550	29.916	29.803	29.924	29.964	29 959	29.992	29.885	29.918	29.845
5	29.811	29.779	29.605	29.893	29.815	29.910	29.956	29.959	30.026	29.888	29.891	29.817
6	29.788	29.763	29.663	29.825	29.884	29.915	29.931	29.941	30.050	29.987	29.864	29.771
7	29.781	29.740	29.689	29.762	29.922	29.938	29.962	29.889	30.081	30.004	29.909	29.768
8	29.731	29.728	29.715	29.722	29.935	29.946	29.981	29.889	30.080	29.950	29.935	29.779
9	29.715	29.708	29.715	29.716	29.879	29.962	29.983	29.947	30.070	29.922	29.918	29.770
10	29.713	29.667	29.690	29.756	29.840	29.932	29.982	30.013	30.037	29.942	29.918	29.752
11	29.711	29.505	29.703	29.747	29.876	29.968	29.974	30.000	30.035	29.968	29.958	29.798
12	29.669	29.297	29.724	29.745	29.923	29.995	29.973	30.005	30.025	29.973	29.984	29.877
13	29.646	29.537	29.758	29.762	29.913	29.934	30.013	29.994	30.026	29.996	29.957	29.882
14	29.658	29.677	29.776	29.783	29.897	29.890	30.056	29.973	30.040	30.003	29.951	29.826
15	29.690	29.741	29.779	29.761	29.886	29.905	30.056	29.976	30.046	30.015	29.972	29.839
16	29.701	29.760	29.766	29.741	29.885	29.972	30.037	29.996	30.050	30.025	29.947	29.872
17	29.620	29.783	29.703	29.758	29.892	29.978	30.034	30.011	30.038	29.979	29.897	29.898
18	29.621	29.779	29.692	29.800	29.895	29.897	30.057	29.995	30.033	29.923	29.850	29.876
19	29.683	29.772	29.757	29.791	29.884	29.783	30.108	29.969	30.022	29.956	29.842	29.853
20	29.769	29.702	29.758	29.793	29.850	29.808	30.119	29.965	29.990	29.987	29.866	29.867
21	29.844	29.637	29.773	29.784	29.869	29.959	30.066	29.947	29.989	29.932	29.837	29.867
22	29.841	29.667	29.825	29.783	29.916	30.005	30.029	29.894	29.988	29.887	29.782	29.846
23	29.798	29.682	29.864	29.823	29.898	29.995	30.027	29.846	29.985	29.920	29.753	29.831
24	29.779	29.662	29.852	29.832	29.922	30.008	30.023	29.873	30.015	29.919	29.785	29.868
25	29.805	29.545	29.815	29.775	29.909	30.024	29.983	29.915	30.049	29.841	29.815	29.892
26	29.787	29.430	29.749	29.715	29.892	30.003	29.898	29.944	30.045	29.826	29.731	29.880
27	29.799	29.450	29.736	29.677	29.908	29.972	29.915	29.936	30.005	29.849	29.688	29.883
28	29.838	29.570	29.718	29.665	29.902	29.972	29.980	29.936	30.038	29.854	29.766	29.877
29	29.847	29.611	29.669	29.183	29.908	29.973	29.984	29.947	30.067	29.850	29.852	29.854
30	29.847	.....	29.710	29.794	29.971	29.937	29.978	29.975	29.995	29.861	29.856	29.854
31	29.836	.....	29.779	.....	29.951	.....	29.993	30.027	.....	29.865	.....	29.880
Means ...	29.764	29.669	29.722	29.765	29.892	29.942	29.993	29.957	30.027	29.934	29.868	29.845

METEOROLOGICAL OBSERVATIONS.

TABLE III.

Monthly and Daily Range of the Atmospheric Pressure during 1892.

MONTHS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean for year.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.
Highest Reading (red. to sea-level) ...	30.076	30.040	30.090	30.148	30.208	30.253	30.353	30.260	30.315	30.264	30.211	30.125	30.195
Lowest " " ...	29.754	29.325	29.704	27.956	29.932	29.917	30.032	29.993	30.119	29.962	29.827	29.897	29.701
Range in Month	0.322	0.715	0.386	2.192	0.276	0.336	0.321	0.267	0.196	0.302	0.384	0.228	0.494
Mean Range from 4 to 9 hours ...	0.049	0.045	0.057	0.055	0.056	0.052	0.055	0.056	0.049	0.046	0.042	0.046	0.051
" 9 to 15 " ...	0.058	0.067	0.068	0.070	0.074	0.068	0.074	0.075	0.082	0.080	0.078	0.063	0.071
" 15 to 22 " ...	0.062	0.068	0.069	0.066	0.064	0.059	0.063	0.064	0.077	0.077	0.083	0.065	0.068
" 22 to 4 " ...	0.053	0.046	0.058	0.051	0.046	0.043	0.044	0.045	0.044	0.043	0.047	0.048	0.047
Mean Diurnal Range ...	0.055	0.056	0.063	0.060	0.060	0.055	0.059	0.060	0.063	0.061	0.062	0.055	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 1892.

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	29.789	29.731	29.760	29.790	29.732	29.761
February	29.697	29.631	29.664	29.698	29.631	29.664
March	29.754	29.688	29.721	29.754	29.686	29.720
April	29.819	29.749	29.784	29.819	29.749	29.784
May	29.929	29.852	29.890	29.928	29.854	29.891
June	29.977	29.907	29.942	29.975	29.907	29.941
July	30.030	29.955	29.992	30.029	29.955	29.992
August	29.993	29.918	29.955	29.993	29.918	29.955
September	30.063	29.979	30.021	30.062	29.980	30.021
October...	29.967	29.886	29.926	29.967	29.887	29.927
November	29.899	29.820	29.859	29.899	29.821	29.860
December	29.873	29.809	29.841	29.872	29.809	29.840
Means	29.899	29.827	29.863	29.899	29.827	29.863

TABLE V.

Monthly and Annual Mean Diurnal Variations of the Atmospheric Pressure, deduced from eighteen year's Observations made in 1875—1892.

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	+ .016	+ .015	+ .018	+ .020	+ .017	+ .016	+ .015	+ .017
1	+ .003	+ .005	+ .006	+ .006	+ .006	+ .008	+ .011	+ .010	+ .010	+ .006	+ .004	+ .001	+ .006
2	− .011	− .010	− .009	− .007	− .005	− .004	− .002	− .002	− .002	− .007	− .009	− .012	− .007
3	− .018	− .018	− .018	− .016	− .014	− .012	− .009	− .010	− .011	− .014	− .014	− .017	− .014
4	− .019	− .020	− .023	− .021	− .019	− .017	− .015	− .016	− .015	− .014	− .013	− .018	− .017
5	− .010	− .015	− .018	− .017	− .016	− .017	− .014	− .014	− .010	− .007	− .007	− .010	− .013
6	+ .004	− .005	− .007	− .007	− .005	− .008	− .007	− .004	+ .002	+ .005	+ .007	+ .005	− .002
7	+ .015	+ .008	+ .005	+ .008	+ .009	+ .006	+ .006	+ .009	+ .016	+ .018	+ .018	+ .016	+ .011
8	+ .021	+ .019	+ .021	+ .021	+ .024	+ .023	+ .022	+ .024	+ .028	+ .028	+ .024	+ .022	+ .023
9	+ .022	+ .024	+ .029	+ .031	+ .035	+ .034	+ .035	+ .035	+ .034	+ .030	+ .026	+ .023	+ .030
10	+ .018	+ .022	+ .027	+ .030	+ .032	+ .030	+ .033	+ .033	+ .028	+ .023	+ .018	+ .018	+ .026
11	+ .011	+ .015	+ .020	+ .019	+ .018	+ .019	+ .021	+ .020	+ .015	+ .011	+ .009	+ .011	+ .016
12	.000	+ .003	+ .002	− .003	− .003	− .001	.000	− .002	− .007	− .007	− .006	− .002	− .002
13	− .010	− .012	− .015	− .020	− .023	− .022	− .020	− .020	− .024	− .024	− .020	− .013	− .019
14	− .024	− .026	− .029	− .033	− .036	− .034	− .034	− .036	− .040	− .039	− .034	− .026	− .033
15	− .034	− .034	− .036	− .038	− .038	− .036	− .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	− .034	− .032	− .031	− .029
18	− .017	− .017	− .015	− .012	− .012	− .012	− .016	− .017	− .019	− .015	− .015	− .015	− .015
19	+ .001	.000	+ .001	+ .002	+ .002	+ .002	− .002	− .003	− .001	+ .003	+ .004	+ .003	+ .001
20	+ .015	+ .016	+ .017	+ .019	+ .017	+ .015	+ .012	+ .013	+ .017	+ .019	+ .019	+ .016	+ .016
21	+ .026	+ .023	+ .030	+ .029	+ .025	+ .022	+ .020	+ .022	+ .029	+ .030	+ .029	+ .026	+ .026
22	+ .033	+ .034	+ .033	+ .029	+ .025	+ .024	+ .022	+ .024	+ .030	+ .032	+ .035	+ .033	+ .029
23	+ .030	+ .031	+ .028	+ .025	+ .023	+ .022	+ .020	+ .023	+ .027	+ .028	+ .030	+ .029	+ .026

METEOROLOGICAL OBSERVATIONS.

TABLE VI.

Temperature of the Air in 1892.—(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	78.6	75.4	80.1	82.1	81.9	85.7	71.0	14.7	83.5	74.7	79.1	8.8	13.4	3.0
February	78.8	75.9	80.0	81.8	81.7	85.4	71.1	14.3	83.2	75.2	79.2	8.0	12.4	1.8
March	77.7	74.3	78.8	81.3	81.1	84.7	69.6	15.1	82.6	73.6	78.1	9.0	14.0	4.9
April	76.9	73.5	78.6	81.2	80.3	83.7	69.0	14.7	82.1	72.9	77.5	9.2	13.5	2.0
May	74.3	70.6	75.9	78.6	78.0	83.1	64.2	18.9	80.0	69.5	74.7	10.5	16.3	5.2
June...	71.8	69.1	72.5	75.1	74.5	78.7	64.5	14.2	76.6	67.9	72.2	8.7	12.8	6.4
July	69.3	65.9	70.3	73.3	72.7	76.0	58.8	17.2	74.6	64.7	69.6	9.9	15.6	7.0
August	69.7	66.2	71.2	73.8	73.2	77.5	59.8	17.7	75.1	65.3	70.2	9.8	15.8	4.9
September	69.1	65.4	70.9	73.4	72.8	77.0	61.1	15.9	75 0	64.8	69.9	10.2	14.3	7.4
October	71.3	66.6	74 0	76.5	76.1	81.0	61.0	20.0	78.3	65.9	72.1	12.4	18.1	8.4
November	74.6	70.0	77.1	80.0	79.3	84.4	65.0	19.4	81.9	68.6	75.2	13.3	17.5	5.8
December	76.7	72.2	79.1	81.7	81.2	84.6	67.6	17.0	83.2	71.0	77.1	12.2	16.8	8.7
Means	74.1	70.4	75.7	78.2	77.7	81.8	65.2	16.6	79.7	69.5	74.6	10.2	15.0	5.5

TABLE VII.

Temperature of Evaporation in 1892.—(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	74.3	73.1	75.1	75.6	75.6	79.5	68.7	10.8	77.2	72.4	74.8	4.8	7.4	1.7
February	74.8	73.5	75.9	76.1	76.2	79.4	69.3	10.1	77.8	72.9	75.3	4.9	7.2	2.9
March	74.2	72.4	75.1	76.1	76.1	79.6	68.0	11.6	77.7	71.6	74.6	6.1	9.5	3.9
April	73.1	71.3	74.7	75.2	74.9	78.7	64.8	13.9	76.7	70.7	73.7	6.0	9.4	2.6
May	68.8	66.9	69.8	70.7	70.7	76.0	59.2	16.8	72.3	66.0	69.1	6.3	10.7	2.5
June	66.2	64.8	67.0	67.7	67.6	72.3	56.7	15.6	69.8	63.3	66.5	6.5	10.0	3.3
July	63.9	62.3	64.8	65.6	65.5	70.9	56.3	14.6	67.3	61.0	64.1	6.3	10.3	3.7
August.	65.1	63.5	66.5	67.0	66.8	71.0	58.0	13.0	68.6	62.6	65.6	6.0	10.4	4.3
September	63.4	62.0	64.2	64.7	64 8	69.0	56.2	12.8	66.5	61.2	63.8	5.3	7.7	3.1
October	66.1	64.5	67.8	68.0	67.7	73.0	58.1	14.9	69.8	63.6	66.7	6.2	9.3	3.5
November	68.9	67.7	70.0	70.2	70.2	76.0	61.5	14.5	72.0	66.2	69.1	5.8	9.1	4.2
December	71.4	70.1	72.7	73.1	72.8	76.6	66.0	10.6	74.8	69.0	71.9	5.8	8.6	3.8
Means	69.2	67.7	70.3	70.8	70.7	75.2	61.9	13.3	72.5	66.7	69.6	5.8	9.1	3.3

* The mean of the observations at 6 and 15 hours.
† „ „ maximum and minimum observations.

METEOROLOGICAL OBSERVATIONS.

TABLE VIII.

Dew Point in 1892.—(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...	71.4	71.5	71.7	71.2	71.4	76.4	65.6	10.8	4.5	0.6
February	72.2	71.9	73.0	72.6	72.6	75.6	68.1	7.5	5.1	0.4
March	71.8	71.0	72.6	72.6	72.7	76.2	66.6	9.6	6.3	0.2
April	70.4	69.7	72.0	71.2	71.2	76.3	59.3	17.0	6.5	1.0
May	64.8	64.0	65.5	65.3	65.6	72.9	51.6	21.3	10.7	0.5
June	62.1	61.6	62.9	62.3	62.7	69.8	48.7	21.1	10.7	0.8
July	59.7	59.4	60.6	59.9	60.1	67.5	51.6	15.9	7.6	1.1
August	61.6	61.3	62.9	62.1	62.0	68.0	54.0	14.0	7.9	0.5
September	59.1	59.3	59.1	58.3	58.9	65.5	52.0	13.5	6.4	1.5
October...	62.3	62.9	63.2	62.0	61.7	68.6	53.5	15.1	7.0	0.5
November	64.9	65.9	64.9	63.6	64.0	71.4	58.5	12.9	6.5	0.6
December	67.9	68.6	68.3	67.3	67.2	71.6	61.8	9.8	5.2	0.9
Means	65.7	65.6	66.4	65.7	65.8	71.6	57.6	14.0	7.0	0.7

TABLE IX.

Elastic Force of Vapour in 1892.—(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...	.773	.774	.778	.767	.773	.909	.632	.277	.114	.015
February	.792	.783	.814	.794	.801	.887	.688	.199	.135	.011
March	.783	.761	.801	.802	.805	.902	.653	.249	.154	.008
April	.749	.729	.787	.766	.769	.906	.506	.400	.173	.025
May	.618	.602	.634	.628	.634	.811	.383	.428	.178	.009
June	.562	.553	.578	.567	.572	.728	.344	.384	.163	.018
July	.517	.510	.532	.521	.524	.672	.383	.289	.126	.021
August	.552	.546	.577	.560	.559	.685	.417	.268	.165	.010
September	.504	.507	.504	.491	.502	.628	.389	.239	.111	.026
October	.565	.576	.580	.569	.554	.702	.410	.292	.123	.010
November	.619	.640	.620	.591	.599	.769	.490	.279	.125	.015
December	.684	.701	.694	.671	.667	.774	.553	.221	.117	.022
Means	.643	.640	.658	.644	.647	.781	.487	.294	.140	.016

* Mean of the observations at 6 and 15 hours.

METEOROLOGICAL OBSERVATIONS.

TABLE X.

Relative Humidity in 1892.—(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	79.5	87.8	75.6	70.2	71.3	96.4	54.6	41.8	33.9	8.8
February	80.8	87.4	79.4	73.4	74.3	95.0	59.4	35.6	31.1	6.4
March	82.6	89.3	81.4	75.2	76.0	95.2	67.2	28.0	24.5	3.7
April	81.3	88.2	80.2	72.0	74.4	93.1	55.7	37.4	31.8	5.0
May	72.9	80.0	70.5	64.1	65.9	92.0	42.1	49.9	29.2	7.2
June	72.0	77.2	72.2	65.1	66.9	90.0	50.0	40.0	33.3	0.9
July	72.4	80.0	71.6	63.5	64.9	89.2	44.9	44.3	26.4	3.2
August	76.4	84.4	75.1	67.2	68.5	91.6	54 3	37.3	29.6	7.1
September	71.5	80.9	66.3	59.4	62.2	92.8	49.2	43.6	32.6	11.8
October	74.8	88.2	69.3	61.4	61.4	94 6	42.5	52.1	44.8	15.6
November	73.3	87.0	66.5	57.4	59.7	94.8	46.9	47.9	39.5	11.5
December	75.6	88.7	69.5	62.1	62.6	94.0	48.9	45.1	38.8	14.9
Means	76.1	84.9	73.1	65.9	67.3	93.2	51.3	41.9	33.0	8.0

TABLE XI.

Clouds in 1892.—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	1.3	1.3	1.2	1.0	1.8	5.1	4.2	5.6	5.6	5.2
February	1.9	2.4	1.8	1.6	1.9	5.6	4.8	5.7	6.2	5.9
March	1.4	1.3	1.4	1.2	1.6	5.3	4.6	5.7	5.7	5.2
April	1.2	1.6	1.3	0.8	1.2	4.5	2.6	4.9	5.2	5.2
May	1.1	1.4	1.3	0.9	0.9	3.7	2.1	3.2	4.8	4.9
June	0.1	0.3	0.0	0.0	0.2	5.6	4.9	5.8	6.1	5.5
July	0.1	0.1	0.2	0.0	0.0	4.4	3.5	4.2	5.0	4.9
August	0.2	0.1	0.1	0.2	0.6	5.4	4.8	5.5	5.8	5.5
September	0.3	0·3	0.2	0.2	0.6	5.4	5.6	5.6	5.3	5.0
October	0.5	0.3	0.9	0.3	0.4	4.5	3.2	5.1	5.2	4.6
November	0.7	0.3	0.7	1.2	0.8	4.6	4.0	5.1	4.7	4.6
December	1.1	1.0	1.0	1.1	1.5	4.4	2.9	4.9	5.4	4.6
Means	0.8	0.9	0.8	0.7	1.0	4.9	3.9	5.1	5.4	5.1

✝Mean of the observations at 6, 9, 13 and 15 hours.

TABLE XII.

Means and Extremes of Self-Registering Thermometers exposed on the Lawn in 1892.

Months.	In the Screen.																					On the Grass.				
	Maximum Temperature.					Minimum Temperature.					Mean Temperature.					Range of Temperature.						Minimum Temperature.				
	Means.	Highest.	Date.	Lowest.	Date.	Mean.	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 ...	89.3	94.5	12	83.6	20	72.7	75.2	14	67.2	27	81.0	84.6	12	78.4	8	16.6	22.8	10	9.2	20	27.3	70.6	74.0	14	64.5	8
February ...	88.1	92.7	23	78.4	12	73.2	77.9	29	68.3	20	80.6	83.8	29	75.9	12	14.9	21.5	22	4.8	12	24.4	71.2	77.0	27	66.2	20
March ...	88.0	91.6	8	84.0	9	71.3	74.8	9	66.4	31	79.6	81.7	8	76.1	18	16.7	22.4	31	9.1	9	25.2	69.2	73.0	1, 3, & 9	64.0	31
April ...	88.2	90.9	4	77.4	11	70.2	75.7	27	66.5	9	79.2	82.4	27	74.0	11	18.0	22.3	17	6.5	11	24.4	67.0	72.5	27	63.7	24
May ...	83.9	87.6	12	79.3	30	66.5	71.2	16	60.3	28	75.2	78.9	12	72.0	25	17.4	24.2	28	9.8	30	27.3	62.6	69.0	16	56.0	8
June ...	79.7	82.5	16	75.4	9	64.6	69.5	6	58.9	27	72.1	75.2	4 to 6	69.0	21	15.1	21.6	19	8.3	9	23.6	60.7	66.6	4 & 5	53.0	27
July ...	78.3	79.9	12	75.0	25	60.6	67.2	1	54.1	18	69.4	73.3	1	65.0	25	17.7	25.4	12	12.2	1	25.8	56.0	63.4	1	50.1	13
August ...	79.4	81.9	9	73.6	23	61.9	66.7	16	55.3	2	70.6	74.2	9	66.6	23	17.5	25.0	29	13.3	20	26.6	58.6	65.0	10	50.2	2
September ...	79.2	81.2	17	74.8	1	61.6	66.3	9	56.2	2 & 22	70.4	73.0	12	66.0	2	17.6	24.0	23	13.1	8	25.0	58.0	63.6	9	51.2	2
October ...	83.6	87.0	27	81.1	2 & 4	62.5	68.8	31	56.4	5 & 22	73.0	77.0	31	69.4	5	21.1	28.5	22	15.4	16	30.6	59.3	66.2	31	52.3	22
November ...	88.2	90.9	24	83.9	1	65.5	71.5	25	61.2	2 & 18	76.8	80.8	25	72.8	16	22.7	28.5	18	12.8	27	29.7	62.5	70.2	25	57.1	2
December ...	88.0	90.7	1	84.8	7	68.9	71.8	13, 28, & 31	65.0	19	78.4	80.6	13	76.3	21	19.1	23.9	19	15.0	31	25.7	66.5	69.7	31	62.0	19 & 22
Means ...	84.5	87.6	...	79.3	...	66.6	71.4	...	61.3	...	75.5	78.8	...	71.8	...	17.9	24.2	...	10.8	...	26.3	63.5	69.2	...	57.5	...

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

TABLE XIII.

Means and Extremes of the readings of Self-Registering Wet Bulb Thermometers exposed on the Lawn in 1892.

Months.	Maximum Wet Bulb Thermometer.					Minimum Wet Bulb Thermometer.				
	Means.	Highest.	Dates.	Lowest.	Dates.	Means.	Highest.	Dates.	Lowest.	Dates.
	°	°		°		°	°		°	
January	81.8	84.1	24	79.4	8	71.4	74.1	14	66.1	27
February	81.1	83.4	26	76.0	12	71.9	76.2	29	67.8	20
March	81.4	83.9	8	78.8	17	70.3	73.7	9	65.7	31
April	80.5	83.3	3	69.8	30	69.3	74.3	27	66.0	9
May	74.3	78.4	12	70.1	8	64.8	69.4	12	58.3	8
June	71.8	77.0	1	67.3	21	62.3	67.3	8	57.0	27
July	69.5	72.6	2 & 29	65.7	25	58.9	65.6	1	53.3	25
August	70.7	73.9	9	65.4	31	60.6	65.1	10	54.3	2
September	68.4	71.1	16	64.4	6	59.6	64.0	12	53.5	2
October	72.3	76.1	27	70.0	21	61.5	67.6	31	55.5	22
November	75.0	79.0	28	72.9	7 & 16	64.4	70.1	25	60.6	16
December	77.4	80.0	22	74.7	5	67.9	70.7	13	64.1	19
Means	75.3	78.6		71.2		65.2	69.8		60.2	

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

TABLE XIV.

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

Months.	Dry Bulb.			Wet Bulb.			Dew Point.			Relative Humidity.			Vapour Tension.		
	6 hours.	15 hours.	Means.	6 hours.	15 hours.	Means.	6 hours.	15 hours.	Means.	6 hours.	15 hours.	Means.	6 hours.	15 hours.	Means.
	°	°	°	°	°	°	°	°	°	P.C.	P.C.	P.C.	inch.	inch.	inch.
January	73.4	87.7	80.5	72.4	79.3	75.8	71.7	74.0	72.8	94.4	63.4	78.9	.777	.838	.807
February ...	73.9	86.3	80.1	72.8	79.2	76.0	72.0	74.6	73.3	94.3	67.9	81.1	.787	.859	.823
March	71.9	85.8	78.8	71.3	79.0	75.1	70.8	74.6	72.7	96.4	68.8	82.6	.755	.859	.807
April	70.7	85.4	78.0	70.1	78.1	74.1	69.6	73.3	71.4	96.4	67.2	81.8	.722	.823	.772
May	67.3	79.9	73.6	65.7	72.1	68.9	64.4	66.7	65.5	90.4	63.8	77.1	.606	.656	.631
June	66.3	75.9	71.1	64.1	69.3	66.7	62.3	64.6	63.4	87.1	67.6	77.3	.563	.609	.586
July	62.6	74.9	68.7	60.9	67.2	64.0	59.4	61.6	60.5	89.8	63.2	76.5	.508	.549	.528
August	63.4	75.9	69.6	62.3	68.5	65.4	61.4	63.2	62.3	93.4	64.4	78.9	.545	.580	.562
September ...	63.1	75.4	69.2	61.1	66.5	63.8	59.4	60.1	59.7	88.1	58.8	73.4	.508	.521	.514
October	64.2	80.4	72.3	63.4	70.1	66.7	62.8	63.1	62.9	95.2	55.1	75.1	.571	.577	.574
November ...	68.1	84.6	76.3	67.2	73.1	70.1	66.5	65.5	66.0	94.6	52.5	73.5	.650	.631	.640
December ...	71.0	85.3	78.1	69.9	75.2	72.5	69.0	68.6	68.8	93.4	57.7	75.5	.710	.701	.705
Means	68.0	81.5	74.7	66.8	73.1	69.9	65.8	67.5	66.6	92.8	62.5	77.6	.642	.684	.662

TABLE XV.

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.	Dates.	Minimum.	Dates.	Range in Month.	Means.	Maximum.	Dates.	Minimum.	Dates.	Range in Month.
	°	°		°		°	°	°		°		°
January ...	80.79	81.3	30 & 31	80.3	1 to 3	1.0	77.36	77.7	31	77.0	1 to 3	0.7
February ...	82.06	83.2	13	81.4	1 to 3	1.8	78.09	80.1	13	77.7	1 to 3	2.4
March ...	82.25	82.6	19 & 20	82.0	1 to 3	0.6	78.58	78.9	19	78.4	1, 24 & 25	0.5
April ...	82.05	82.3	1	81.9	19 & 20	0.4	78.97	80.0	30	78.5	1 to 3	1.5
May ...	81.12	82.0	1 & 2	80.2	31	1.8	79.15	79.2	often.	79.0	5 to 9	0.2
June ...	79.26	80.2	1	78.2	30	2.0	79.12	79.3	6 to 8	78.9	27 to 30	0.4
July ...	77.33	78.1	1	76.6	30 & 31	1.5	78.62	78.9	1	78.3	31	0.6
August ...	76.13	76.5	1	76.0	17 to 20, 30 & 31	0.5	77.94	78.2	1	77.6	31	0.6
September ...	75.79	76.0	1 to 3	75.6	16 to 18	0.4	77.31	77.6	1 to 3	77.0	30	0.6
October ...	76.13	76.5	31	75.8	1, 4 & 5	0.7	76.82	77.0	1 to 5	76.7	24 to 30	0.3
November ...	77.17	77.8	29 & 30	76.5	1	1.3	76.77	76.8	often.	76.7	2 & 3	0.1
December ...	78.66	79·5	31	77.8	1 & 2	1.7	77.00	77.2	28 to 31	76.8	1 to 6	0.4
Means ...	79.06	79.7	...	78.5	...	1.1	77.98	78.4	...	77.7	...	0.7

TABLE XVI.

Means and Extremes of the Readings of Solar Thermometers in Vacuo in the Sun's rays in 1892.

Months.	Hicks, No. 211,682.					Hicks, No. 508,310.				
	Means.	Maximum.	Dates.	Minimum.	Dates.	Means.	Maximum.	Dates.	Minimum.	Dates.
	°	°		°		°	°		°	
January	148.6	159.1	6	129.6	20	155.8	166.6	6	137.7	20
February	147.9	160.2	19	104.8	11	154.7	167.6	19	108.7	11
March	145.0	157.4	12	107.6	9	152.5	164.2	12	111.7	9
April	144.6	153.6	17	100.0	11	152.3	161.5	21	103.7	11
May	137.4	150.4	6	123.0	5	145.2	159.5	6	129.6	5
June	133.5	139.7	16	122.7	9	141.4	148.4	16	130.4	9
July	132.0	138.5	26	123.5	8	140.2	147.2	26	132.3	8
August	136.5	145.0	9	117.0	23	144.9	152.7	9	122.8	23
September	139.0	144.5	22	133.0	2	147.5	153.6	22	141.8	8
October	145.6	153.8	30	138.7	3	153.3	160.6	27	145.7	3
November	150.1	162.2	25	143.3	7	156.9	169.8	25	148.5	7
December	149.7	156.1	9	137.1	4	157.0	163.4	9	145.7	4
Means	142.5	151.7		123.4		150.1	159.6		129.9	

NOTE.—The above solar thermometers are of apparently similar construction; the bulb and about 1 inch of the stem being coated with lamp-black. Hicks No. 211,682 has been in use since February 1885, the other since October 1890. When compared in 1884, after being mounted in its jacket with the Kew Reference Standard, Hicks No. 211,682 had an error at 100° of +0°.9. The errors of Hicks Thermometer No. 508,310 when compared, in June 1890, with the Kew Reference Standard No. 6 were as follows: at 80°, +3.5; 90°, +5°.0; 100°, +5°.5; 110°, +5°.0; 120°, +6°.0; 130, +6.5; 140°, 8°.0. They are mounted on wooden stands, the stems of the thermometers pointing N. and S., bulb N. No corrections have been applied to the above results.

METEOROLOGICAL OBSERVATIONS.

TABLE XVII.

Amount of Solar Radiation in 1892.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°	°	°	°	°	°	°	°	°	°	°	°
1	59.7	61.9	60.1	55.9	51.4	52.3	54.6	56.2	61.3	67.4	60.7	60.9
2	56.5	62.8	59.9	61.5	52.5	53.3	56.0	57.3	57.1	59.3	68.5	58.3
3	60.9	62.0	63.9	59.7	50.8	49.8	55.6	54.2	56.3	56.9	62.6	59.7
4	53.3	65.1	63.1	59.1	47.7	53.6	49.9	56.4	59.4	60.0	58.3	50.6
5	65.4	62.8	62.3	60.2	40.1	57.7	54.9	57.0	63.4	65.6	58.5	60.7
6	69.5	63.9	30.1	59.5	67.7	53.4	55.1	60.1	62.3	58.1	60.5	57.6
7	58.0	60.8	56.5	55.7	54.9	53.7	48.4	54.9	62.3	59.7	55.4	64.1
8	57.9	66.6	59.8	62.3	58.8	52.6	46.3	57.0	55.4	64.2	61.0	66.4
9	61.3	65.2	23.6	60.6	62.3	47.4	56.9	63.1	58.6	62.3	64.0	70.2
10	60.1	51.5	62.4	55.6	51.7	56.3	53.2	59.9	56.1	56.3	60.3	67.3
11	59.0	24.1	60.2	22.7	50.8	52.9	51 6	57.3	58.8	55.9	62.1	65.6
12	57.8	...	67.5	59.4	52.7	51.6	5 31	56.5	63.8	60.6	61.1	61.0
13	54.2	62.6	60.6	59.5	54.2	53.5	51.3	54.0	59.6	60.8	66.3	58.6
14	57.8	57.2	61.8	54.7	43.6	52.7	55.5	55.3	62.9	61.0	55.9	64.5
15	58.7	63.1	61.8	57.1	60.1	46.5	53.4	60.8	56.7	63.2	63.4	64.1
16	54.0	65.2	59.8	57.7	54.0	57.2	51.4	61.2	63.0	61.9	60.5	61.4
17	56.5	56.8	42.1	64.4	60.5	51.8	57.4	55.6	59.8	60.4	64.0	62.5
18	61.2	62.4	59.7	53.6	55.4	51.7	54.5	62.0	59.3	65.1	60.7	62.6
19	54.6	72.1	60.7	54.6	54.1	57.2	55.8	56.9	59.8	60.8	58.4	57.4
20	46.0	66.0	58.3	57.0	53.2	56.1	56.0	56.0	58.1	60.7	59.7	62.2
21	61.5	62.4	50.3	63.0	52.0	58,2	52,2	57.9	60.1	58.9	57.4	53.9
22	60.8	63.4	62.5	56.2	51.0	61.8	49.7	59.9	64.5	60.7	60.5	62.3
23	66.0	58.5	60.7	53.2	54.7	58.7	57.1	43.5	59.6	60.4	64.0	65.5
24	67.0	58.6	58.4	55.7	52.1	53.5	56.7	56.2	60.2	63.0	65.1	58.1
25	59.6	56.8	54.8	50.8	50.1	53.2	52.7	59.8	58.8	63.1	72.2	58.9
26	54.0	60.2	58.1	55.9	57.0	52.3	59.2	59,4	61.7	64.6	71.1	58.8
27	60.3	34.9	58.3	55.0	53.1	50.9	53.6	57.4	57.2	66.5	64.3	62.1
28	56.5	56.2	59.9	51.3	58.9	57.2	51.3	55.0	58.2	63.7	63.2	60.0
29	60.6	62.3	55.1	...	47.8	53.3	54.4	62.3	59.1	64.4	66.1	61.1
30	64.7		56.5	62.2	48.3	54.5	52.7	56.2	61.9	69.1	65.3	60.9
31	62.7		56.9		56.3		58.1	53.3		66.2		63.3
Means ...	59.2	59.5	57.0	56.3	53.5	53.8	53.8	57.2	59.8	62.0	62.4	61.6

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 XVIII.

Amount of Evaporation in 1892.

Months.	Total Evaporation.	Mean daily Evaporation.	Rainfall.	Excess of Evaporation over Rainfall.
	Inches.	Inches.	Inches	Inches.
January...	7.325	0.236	6.970	+ 0.355
February	*5.060	.211	4.490	+ 0.570
March	*5.120	.177	5.580	— 0.460
April	*4.070	.145	2.710	+ 1.360
May	4.080	.132	1.330	+ 2.750
June	3.365	.112	4.835	— 1.470
July	4.065	.131	2.415	+ 1.650
August	4.685	.151	4.145	+ 0.540
September	5.815	.194	1.615	+ 4.200
October	7.290	.233	1.030	+ 6.260
November	8.395	.280	1.785	+ 6.610
December	8.450	.273	6.270	+ 2.180
Totals and Means	67.720	0.190	43.175	+ 24.545

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.

* February on 24 days, March 29 and April 28.

TABLE XIX.

Daily Duration of Bright Sunshine during the year 1892.

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.	Hours.	P.C.	Hours.	P.C.	Hours.	P.C.	Hours.	P.C.	Hours.	P.C.	Hours.	P.C
1	10.2	77	9.9	77	1.8	15	11.0	93	9.3	82	9.3	85	8.9	82	10.1	90	7.1	61	6.0	49	9.5	74	8.4	64
2	7.7	58	11.0	85	6.3	51	8.7	74	10.0	88	5.9	54	8.2	75	9.0	80	5.4	46	7.9	65	9.8	77	12.0	91
3	10.4	79	8.4	65	1.9	15	10.4	88	8.3	73	7.8	72	4.5	41	8.8	79	10.9	93	8.7	71	10.1	79	9.5	72
4	5.3	40	6.3	49	5.0	40	10.5	89	10.4	93	7.3	67	8.3	76	8.5	76	10.8	92	9.0	73	5.8	45	3.7	28
5	5.5	42	3.9	30	4.8	39	9.0	76	.2	2	5.6	51	9.0	83	2.1	19	4.7	40	4.9	40	9.1	71	8.0	61
6	8.1	61	1.9	15	0.0	0	6.5	56	5.8	52	9.3	85	8.6	79	8.8	79	8.6	73	10.4	85	11.3	88	9.4	71
7	11.6	88	1.0	8	10.3	84	7.3	62	10.0	89	9.1	83	8.2	75	5.8	51	7.3	62	10.4	85	11.8	91	1.5	11
8	10.6	81	5.3	41	9.1	74	8.6	74	8.1	72	8.8	81	9.9	91	4.5	40	7.7	65	6.3	51	8.8	68	3.7	28
9	10.5	80	8.5	66	.3	2	4.0	34	9.6	86	2.5	23	8.2	75	2.2	19	4.5	38	9.4	76	7.4	57	3.5	27
10	11.8	89	4.4	34	3.7	30	5.1	44	7.4	66	8.4	77	9.5	87	5.4	48	9.5	81	10.8	87	9.4	73	3.2	24
11	11.0	83	.0	0	9.5	78	.0	0	10.4	93	7.2	66	8.6	79	10.0	88	9.8	82	11.0	89	10.0	78	8.3	62
12	9.6	73	.0	0	8.1	66	.2	2	10.3	93	8.8	81	7.9	72	9.2	81	9.2	77	10.7	86	9.7	75	8.3	62
13	2.7	20	.1	1	8.3	68	5.7	49	9.2	83	8.5	78	6.2	57	10.0	88	8.2	69	7.2	58	11.7	90	11.9	89
14	1.8	14	.4	3	10.6	87	10.0	86	1.8	16	8.9	82	7.4	68	7.5	66	6.1	51	9.0	73	9.0	69	10.0	77
15	2.8	21	5.1	40	8.8	72	10.3	89	3.6	32	1.8	17	9.4	85	8.7	76	8.9	75	6.2	50	9.5	73	10.4	78
16	2.3	17	.3	2	8.9	74	6.6	57	9.1	82	9.6	88	9.7	88	9.5	83	3.6	30	4.8	38	5.6	43	10.4	78
17	7.0	53	11.0	87	.3	2	8.4	72	8.5	77	7.5	69	9.5	86	6.6	58	6.3	53	11.1	89	8.4	65	11.9	90
18	10.0	76	7.5	59	1.3	11	9.9	86	10.3	93	9.8	90	8.4	76	7.9	69	8.5	71	9.4	75	7.6	58	11.2	84
19	1.8	14	7.0	56	2.6	21	10.2	89	7.9	71	7.4	68	9.7	88	8.7	76	9.5	79	9.8	78	12.0	92	11.3	85
20	.8	6	8.9	71	6.5	54	9.2	80	6.8	62	7.8	72	8.2	75	5.4	47	9.3	77	11.4	90	10.9	84	11.2	84
21	.3	2	11.8	94	.5	4	6.5	57	9.5	86	6.4	59	10.2	93	8.7	76	6.7	56	11.5	91	9.2	70	6.9	52
22	11.2	86	9.9	79	9.1	76	6.2	54	10.0	91	5.9	54	9.7	87	9.5	83	10.5	87	11.8	94	12.0	92	11.3	85
23	3.4	26	11.2	89	8.8	73	10.0	88	8.8	80	3.1	28	5.1	46	.4	3	9.3	77	7.1	56	9.3	71	8.3	62
24	3.6	28	10.8	86	10.2	85	9.7	85	4.8	44	4.3	39	8.2	74	1.8	16	10.8	89	7.0	55	5.8	44	9.6	72
25	11.8	91	8.9	71	9.9	82	10.2	89	9.1	83	6.5	60	8.3	75	8.0	70	10.3	85	11.2	88	2.9	22	11.7	88
26	11.6	89	4.1	33	8.7	72	9.1	80	5.2	47	8.4	77	7.6	68	9.3	81	8.2	68	9.8	77	8.9	68	11.1	83
27	11.9	92	.2	2	5.6	47	9.5	83	9.7	88	8.0	73	10.4	94	10.3	89	9.8	80	6.1	48	1.1	8	10.1	76
28	11.4	88	3.5	28	9.3	78	1.0	9	3.2	29	7.8	72	10.4	94	4.7	41	10.1	83	9.2	72	10.9	83	9.7	73
29	11.1	85	7.7	62	10.8	91	.0	0	10.1	92	5.4	50	5.9	53	8.0	69	10.4	85	4.6	36	8.1	61	9.8	74
30	10.5	81			10.7	90	9.3	82	.2	2	5.5	50	6.4	57	4.0	34	10.0	82	5.1	40	9.7	73	7.8	59
31	9.7	75			10.2	86			1.5	14			9.9	88	10.7	91			2.5	20			9.5	71
Totals and Means..	238.0	59	169.0	46	201.[illegible]	54	223.1	64	229.1	66	212.6	65	260.4	76	224.1	63	252.0	70	260.3	67	265.3	68	273.6	66

The above and following tables have been compiled from the daily records of an improved "Campbell's 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 XX.

Total Amount of Bright Sunshine registered in each hour of the day for each Month of the year 1892.

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	...	13.2	22.3	21.6	20.7	21.1	21·0	23.4	22.9	21.8	20.4	17.2	11.9	0.5	238.0	406.3	59
February	...	6.5	12.9	15.3	15.5	17.1	18.1	16.8	16.0	17.7	15.7	12.3	5.1	...	169.0	368.2	46
March	...	4.6	16.3	19.7	21.3	20.6	20.5	19.2	20.6	17.4	18.9	16.0	6.8	...	201.9	376.5	54
April	...	5.6	21.5	23.5	23.8	22.6	23.9	24.5	22.0	19.3	16.8	16.1	3.5	...	223.1	347.3	64
May	...	2.3	21.6	24.3¾	25.3	24.3	22.8	22.9	22.8	21.9	19.6	19.2	2.1	...	229.1	344.3	66
June	...	0.1	13.8	20.3	22.0	22.9	22.9	23.6	21.3	21.3	22.7	18.9	2.8	...	212.6	327.0	65
July	...	0.6	19.6	25.9	26.5	27.7	27.1	28.0	28.0	26.5	25.9	21.4	3.2	...	260.4	340.9	76
August	...	1.9	20.0	23.6	23.9	24.6	23.9	23.2	22.6	20.9	19.9	16.9	2.7	...	224.1	353.2	63
September	...	4.8	20.4	21.5	24.3	22.6	26.0	27.2	25.4	24.1	24.1	23.0	8.6	...	252.0	358.2	70
October	...	12.2	20.0	22.7	24.5	23.7	24.5	23.9	23.4	24.7	24.7	23.3	12.7	...	260.3	387.5	67
November	0.1	14.8	22.7	23.8	24.0	23.7	23.9	24.5	22.7	24.9	23.9	19.7	15.9	0.7	265.3	389.8	68
December	0.8	19.7	24.5	22.8	23.6	23.7	24.0	25.4	25.1	22.8	23.2	19.5	17.2	1.3	273.6	411.3	66

The hours are reckoned from apparent midnight.

TABLE XXI.

Monthly Rainfall in 1892, with the Means for the period 1875-1892, as recorded by Glaisher's Raingauge.

Months.	1875-1892.				1892.				Excess or defect in 1892.	
	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	6.84	19	4.50	6—1888	6.96	22	1.48	17	+ 0.12	+ 3
February	6.52	20	7.32	13—92	13.86	21	7.32	13	+ 7.34	+ 1
March	8.29	20	7.45	21—79	9.57	24	3.75	19	+ 1.28	+ 4
April	5.72	17	3.97	15—76	*5.68	14	*2.44	30	— 0.04	— 3
May	4.02	16	11.24	7—84	1.25	14	0.47	31	— 2.77	— 2
June	2.04	17	1.18	6—85	4.02	22	0.73	6	+ 1.98	+ 5
July	2.33	19	2.06	11—78	3.10	19	0.73	1	+ 0.77	0
August	2.17	19	1.06	1—89	3.80	16	1.05	9	+ 1.63	— 3
September	1.47	15	1.10	22—82	1.41	21	0.18	29	— 0.06	+ 6
October	1.80	13	1.83	29—75	1.39	15	0.29	28	— 0.41	+ 2
November	1.94	11	2.04	24—77	1.84	18	0.46	28	— 0.10	+ 7
December	5.27	18	4.39	23—78	6.24	15	1.78	10	+ 0.97	— 3
Totals	48.41	204			59.12	221			+10.71	+17

* Raingauge damaged after 3 P.M. on the 29th, April.

TABLE XXII.

Daily Rainfall in inches during the year 1892.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	.....	0.120	0.475	.....	.....	0.020	0.220	.....	0.250	0.180	.....	.....
2	0.350	.020	.....	.....	.....	.125	.130	.....	.....	.010	.....	.....
3	.....	.200	.130	0.010	0.010	.380	.465	0.120	.020	.015	0.015	.....
4	.810	.....	.190	.....	.....	.010	.140	.060	.045	.....	.010	.....
5	.....	.440	.055	.115	.....	.815	.....	.460	.....	.....	.....	.....
6	.080	.300	.010	.025	.035	.080	.065	.....	.020	.....	.....	.....
7	.....	.065	.....	.....	.....	.070	.275	.....	.....	.....	.....	0.780
8	.....	.260	.060	.....	.....	.850	.110	.980	.....	.....	.040	.710
9	.....	.235	.555	.....	.040	.610	.065	.....	.....	.030	.060	1.160
10	.....	.210	.....	.....	.020	.375	.050	.275	.010	.....	.....	1.705
11	.030	.770	.....	.615	.030	.210	.....	.020	.070	.....	.130	.....
12	.100	7.440	.....	.015	.....	.....	.010	.070	.010	.020	.010	0.010
13	.300	1.550	.050	.105	.....	.010	.075	.....	.020	.....	.060	.....
14	1.080	0.160	.190	.100	.230	.140	.015	.....	.185	.....	.010	.075
15	0.250	.....	.160	.....	.....	.045	.075	.....	.....	.060	.100	.145
16	1.025	.780	.350	.295	.005	.....	.235	.....	.055	.160	.075	.....
17	0.895	.....	1.155	.....	.010	.....	.025	.045	.135	.....	.040	.....
18	.....	.210	3.275	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	.395	.....	0.565	.....	.....	.010	.015	.135	.....	.055	.020	.....
20	.285	.....	.025	.....	.015	.010	.055	.230	.....	.055	.....	.....
21	.325	.....	.850	.070	.....	.....	.....	.010	.080	.....	.020	.100
22	.....	.....	.235	.....	.010	.020	.055	.....	.....	.....	.020	.....
23	.095	.015	.465	.....	.175	.055	.060	.660	.....	.115	.050	.430
24	.155	.060	.125	.....	.100	.055	.015	.530	.....	.....	.080	.....
25	.385	.350	.440	.....	.035	.055	.060	.140	.020	.....	.....	.435
26	.....	.140	.105	.080	.125	.010	.030	.250	.135	.....	.340	.....
27	.....	.580	.115	.....	.....	.....	.....	.....	.130	.300	.705	.240
28	.....	.080	.....	1.280	.....	.005	.230	.....	.020	.025	.....	.040
29	.060	.....	.....	*2.980	.....	.110	.065	.....	.190	.045	.....	.....
30	.265		.....	.....	.250	.545	.095	.....	.200	.020	.....	.220
31	.075		.....		.240		.....	.....		.120		.120
Totals ...	6.960	13.985	9.580	5.690	1.330	4.615	2.635	3.985	1.595	1.210	1.785	6.170

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 midnight to midnight.

* The gauge ceased acting after 4.30 P.M. of the 29th.

TABLE XXIII.

Hourly Rainfall in inches during the year 1892.

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.		H. M.	inch.		inch.	H. M.		inch.	H. M.		inch.	H. M.		inch.	H. M		inch.	H. M.	
0 ...	0.750	1—12	3	0.545	2—40	5	0.320	2—07	7	0.220	1—10	3	0.135	1—15	3	0.400	2—20	5	0.250	2—47	5
1 ...	.160	0—50	5	.595	3—02	6	.180	1—27	5	.115	0—50	2	.190	1—35	2	.395	2—25	5	.230	3—37	8
2 ...	.090	0—47	5	.345	3—20	5	.150	1—30	5	.390	1—25	2	.035	0—42	2	.100	1—30	4	.180	2—42	6
3 ...	1.475	3—20	5	.550	3—32	7	.450	1—57	6	.220	1—00	1	.065	0—42	3	.070	0—40	2	.110	0—35	4
4 ...	0.365	2—42	7	.315	3—01	7	.975	3—25	6	.710	1—05	2	.010	0—20	1	.020	0—15	1	.105	1—00	5
5 ...	.265	2—05	6	.270	2—03	4	.280	2—50	7	.085	0—55	2	.050	1—10	4	.010	0—10	1	.270	1—57	5
6 ...	.105	1—23	6	.385	2—45	4	.215	1—22	5	.095	0—55	2	.055	0—30	1	.100	1—02	3	.045	0—50	3
7 ...	.025	0—07	1	.410	2—15	4	.820	4—09	9	.160	1—02	3	.010	0—10	1	.180	1—59	5	.175	1—30	4
8 ...	.050	0—30	3	.655	2—12	5	.460	3—10	8	.440	1—50	4	.005	0—05	1	.045	1—35	4	.125	1—10	4
9 ...	.150	0—35	2	.370	2—52	6	.655	2—09	7	.060	1—40	4	.000	0—00	0	.340	2—10	5	.010	0—15	1
10 ...	.090	0—22	2	.755	2—44	6	.305	0—58	3	.140	0—40	1	.020	0—20	1	.260	0—52	3	.000	0—00	0
11 ...	.075	0—47	2	.125	2—55	4	.170	1—25	3	.490	1—25	3	.000	0—00	0	.345	2—08	4	.065	0—25	2
12 ...	1.015	1—34	6	.550	3—20	4	.145	0—45	2	.650	1—00	1	.000	0—00	0	.055	1—10	3	.010	0—15	1
13 ...	0.410	0—22	3	1.020	2—37	4	.330	2—10	5	.390	1—10	2	.165	0—50	2	.165	1—46	6	.055	0—25	2
14 ...	480	0—37	3	0.930	2—00	3	.230	1—23	6	.220	0—40	1	.065	0—55	1	.160	1—40	3	.045	0—25	2
15 ...	.150	1—15	5	.710	1—47	4	2.920	2—35	5	.350	2—20	5	.080	0—22	1	.265	1—10	3	.050	0—45	3
16 ...	.220	0—40	2	.565	2—15	6	0.240	1—07	3	.485	2—50	4	.045	0—25	1	.225	1—20	4	.080	0—37	3
17 ...	.140	0—45	2	.630	2—17	5	.220	0—55	3	.340	1—55	3	.010	0—15	1	.305	1—40	5	.120	1—07	3
18 ...	.085	0—38	4	.385	2—07	5	.010	0—05	1	.050	1—15	2	.000	0—00	0	.190	2—39	6	.040	1—12	5
19 ...	.380	0—55	3	.705	3—45	8	.020	0—15	1	.015	0—35	1	.045	1—25	3	.205	2—00	6	.050	1—25	4
20 ...	.190	2—00	3	.820	2—50	7	.175	1—32	5	.000	0—00	0	.025	0—45	2	.075	2—15	6	.075	2—32	7
21 ...	.055	0—30	2	.915	2—00	3	.130	0—50	3	.000	0—00	0	.015	0—25	1	.175	2—05	6	.290	2—00	5
22 ...	.105	0—05	1	.970	3—05	6	.095	0—30	1	.055	0—07	1	.235	1—30	4	.155	2—32	4	.095	2—25	6
23 ...	.130	0—30	2	.465	2—37	7	.085	1—05	2	.010	0—10	1	.070	0—55	3	.375	2—37	5	.160	1—49	6
Totals..	6.960	24—31	83	13.985	64—01	125	9.580	39—41	108	5.690	25—59	50	1.330	14—36	38	4.615	40—00	99	2.635	31—45	94

TABLE XXIII.—(*Continued.*)

Hourly Rainfall in inches during the year 1892.

Months.	August.			September.			October.			November.			December.			Means.		
Hours.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times Rain fell.	Total Rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.	Total rainfall.	Duration.	No. of times rain fell.	Total Rainfall.	Duration.	No. of times rain fell.
	Inch.	H. M.		Inch.	H. M.		Inch.	H. M.		Inch.	H. M.		Inch.	H. M.		Inch.	H. M.	
0... ...	0.355	2—09	5	0.000	0—00	0	0.045	1—05	3	0.090	1—10	4	0.170	2—05	4	0.273	1—40	4
1... ...	.195	1—35	4	.080	1—37	5	.010	0—45	2	.250	0—45	2	.210	0—32	2	.217	1—35	4
2... ...	.140	1—22	4	.165	2—04	5	.175	1—45	4	.015	0—10	1	.995	2—02	5	232	1—37	4
3... ...	.100	1—15	4	.120	1—25	4	.060	1—02	4	.220	0—37	2	.705	2—47	9	.345	1—34	4
4... ...	.085	0—34	3	.240	1—57	5	.100	0—55	2	.040	0—27	2	.640	1—10	4	.300	1—24	4
5... ...	.170	1—25	4	.040	0—40	1	.000	0—00	0	.220	1—17	4	.490	1—20	4	.179	1—19	3
6... ...	.400	1—40	5	.120	0—50	3	.060	0—37	2	.010	0—20	1	.570	1—23	3	.180	1—08	3
7... ...	.680	3—25	7	.025	0—14	2	.050	0—52	3	.065	1—02	4	1.105	1—10	2	.309	1—30	4
8... ...	.020	0—22	2	.020	0—40	2	.130	1—35	4	.045	0—40	3	.335	1—30	3	.194	1—17	4
9... ...	.125	0—50	2	.040	0—37	3	.045	0—47	3	.020	0—20	1	.400	1—12	4	.185	1—07	3
10... ...	.015	0—20	1	.000	0—00	0	.000	0—00	0	.020	0—15	1	.135	0—45	3	.145	0—36	2
11... ...	.125	0—22	1	,015	0—30	1	.080	0—45	3	.000	0—00	0	.000	0—00	0	.124	0—53	2
12... ...	.045	0—55	1	.085	1—20	4	.015	0—35	2	.025	0—18	2	.040	0—30	1	.220	0—58	2
13... ...	.365	1—31	3	.015	0—45	2	.030	0—25	2	.000	0—00	0	.025	0—15	1	.247	1—01	3
14... ...	.510	1—10	2	.075	1—02	3	.010	0—27	2	.000	0—00	0	.000	0—00	0	.227	0—52	2
15... ...	.065	0—42	4	.035	0—45	2	.020	0—32	2	.000	0—00	0	.010	0—25	1	.388	1—03	3
16... ...	.100	0—55	2	.065	0—47	2	.075	1—45	3	.270	0—25	1	.000	0—00	0	.197	1—05	3
17... ...	.305	0—50	2	.025	0—40	2	.030	1—10	2	.000	0—00	0	.000	0—00	0	.177	0—58	2
18... ...	.010	0—20	1	.005	0—20	1	.195	1—00	1	.145	1—30	4	.000	0—00	0	.093	0—55	2
19... ...	.070	0—15	1	.015	0—07	1	.030	0—30	1	.170	2—00	5	.000	0—00	0	.142	1—06	3
20... ...	.000	0—00	0	.035	0—27	2	.025	0—25	1	.080	1—15	3	.000	0—00	0	.125	1—10	3
21... ...	.015	0—10	1	.130	1—07	4	.020	0—22	2	.045	1—15	2	.055	0—30	1	.154	0—56	2
22... ..	.040	1—20	4	.085	0—55	4	.000	0—00	0	.005	0—20	1	.145	1—35	3	.165	1—12	3
23... ...	.050	0—30	2	.160	1—30	3	.005	0—10	1	.050	0—10	1	.110	1—30	3	.142	1—08	3
Totals ...	3.985	23—57	65	1.595	20—19	61	1.210	17—29	49	1.785	14—16	44	6.170	20—41	53	4.960	28—04	72

METEOROLOGICAL OBSERVATIONS.

TABLE XXIV

Greatest Rainfall in one day and greatest intensities in 1892.

Month.	Greatest fall in one day.	Day.	Greatest intensities of Rainfall.					
	Inches.		Inch.		H. M.		H. M.	
January	1.080	14	0.400	from	2—10	to	2—30	on 17th.
February	7.440	12	0.500	„	20—35	to	21—00	on 12th.
March	3.275	18	2.400	„	14—18	to	14—53	on 18th.
April	2.980	29	0.600	„	11—10	to	11—50	on 29th.
May	0.250	30	0.100	„	12—55	to	13—00	on 14th.
June	0.850	8	0.220	„	23—30	to	23—40	on 7th.
July	0.465	3	0.200	„	20—40	to	20—50	on 28th.
August	0.980	8	0.400	„	0—52	to	1—12	on 8th.
September	0.250	1	0.120	„	22—00	to	22—12	on 30th.
October	0.300	27	0.120	„	17—26	to	17—38	on 27th.
November	0.705	27	0.200	„	2—15	to	2—27	on 26th.
December	1.705	10	0.400	„	6—22	to	6—37	on 10th.

TABLE XXV.

Daily Amount of Ozone.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October	November.	December.
1	4.5	5.	2.	3.5	5.	7.	6.	3.5	4.5	6.	5.5	3.
2	4.5	4.	4.	4.5	4.	6.	4.5	4.	4.	5.5	3.5	3.5
3	3.	3.5	5.5	5.	4.5	5.	6.5	6.	6.	6.	5.	5.
4	3.	5.	3.	4.5	4.	6.	6.	5.	5.	6.	4.5	3.5
5	5.	4.5	4.	5.	6.5	5.5	5.	5.	4.	5.5	4.	3.
6	2.5	4.	5.	4.	7.	5.	4.	5.	5.	6.	4.	3.5
7	5.	5.	4.	4.	7.	6.	6.	3.	3.5	4.	3.5	4.
8	3.	5.	2.	3.5	6.	6.	5.5	4.5	3.	5.	3.	3.5
9	2.	5.5	4.	4.	6.	5.5	4.	6.	2.5	3.	3.5	3.5
10	3.5	5.	4.	4.	6.	6.	5.	5.5	3.	6.	2.	3.5
11	3.	6.5	3.	5.	5.5	6.	4.	5.	2.5	5.	3.	3.5
12	2.	7.	3.5	5.5	6.	6.	5.	7.	4.	6.	3.5	3.
13	3.	6.	4.	6.	5.5	5.	5.	4.	4.5	5.	3.5	4.
14	4.5	6.	5.	6.5	6.	7.	6.	5.5	5.	4.5	3.5	4.5
15	4.	4.	6.	5.5	6.5	6.	6.	4.5	6.	6.	3.5	4.
16	5.	1.	8.	3.5	4.	5.5	5.	3.5	5.	6.	4.	5.
17	3.5	3.5	6.	3.5	6.	5.5	6.	5.	6.	5.	4.	3.
18	2.	3.5	6.	5.	4.	4.5	5.	5.5	6.5	4.5	4.5	3.
19	3.	3.5	7.	5.	6.	4.	5.5	5.	4.	5.	3.5	3.
20	5.	1.	6.	3.	5.	4.	6.	5.	5.	3.5	3.	4.
21	5.	1.	6.	3.	6.	4.5	5.5	5.	5.5	3.5	4.5	3.
22	3.5	2.	6.	4.	4.	4.	4.5	4.	7.	3.5	5.	4.
23	5.	2.5	5.	5.	6.5	6.	3.	3.	6.5	3.5	4.	3.5
24	4.	4.5	6.	4.	6.	5.5	6.	5.5	5.5	4.	3.5	3.5
25	3.	4.	7.	5.	6.	6.	5.	4.	6.	3.	3.5	4.5
26	3.5	4.	6.	5.	6.	6.	5.	5.	6.5	3.	4.5	3.5
27	3.	4.	5.5	5.5	6.	4.	6.	4.5	6.5	2.5	6.	3.
28	3.5	3.5	3.	4.	4.	4.	6.	4.	6.	3.5	4.5	3.5
29	3.	2.	2.	4.	5.5	5.5	6.	5.	6.	3.5	3.5	3.5
30	4.5		2.5	6.	3.5	6.	6.	6.	6.	3.	1.5	4.
31	5.		3.5		4.		6.	5.		2.5		5.
Means	3.7	4.0	4.7	4.5	5.4	5.4	5.3	4.8	5.0	4.5	3.8	3.7

The ozone test papers used are those supplied by Negretti and Zambra. They are exposed in Clarke'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, as compared with a scale of graduated tints, numbered from 0 to 10.

TABLE XXVI.

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 ...	...	4	12	7	14	12	37	91	111	116	129	93	49	14	3	8	1	...	...	...	...	1	1	1	3	20	3	3	7	3	1	...	...	744
February ...	9	42	31	20	5	10	58	142	118	60	72	34	37	12	...	1	...	20	...	...	...	1	...	...	...	1	...	1	3	6	8	5	...	696
March	2	...	1	3	5	25	39	54	62	90	133	118	43	5	1	17	...	32	...	2	1	5	12	23	26	6	16	2	3	6	6	5	1	744
April	3	1	2	6	19	15	69	65	71	68	107	126	78	3	3	1	2	1	2	37	1	2	1	3	1	1	4	1	...	...	1	...	...	694
May	...	...	...	...	5	6	17	86	52	16	100	190	134	49	22	20	15	..	...	6	...	...	2	17	...	...	...	1	...	...	...	...	6	744
June	1	...	...	...	1	...	3	7	49	128	228	144	78	30	9	8	18	...	3	...	...	...	1	1	1	1	...	...	7	...	2	...	...	720
July	...	...	...	...	...	...	14	31	32	134	236	165	73	30	27	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	744
August ...	...	...	...	3	1	1	9	97	122	134	227	82	17	31	15	1	...	1	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	744
September ...	...	...	...	...	...	1	3	6	59	146	297	149	30	20	8	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	720
October ...	2	...	5	1	9	5	20	95	68	119	177	104	18	39	22	...	2	4	...	..	...	...	3	...	2	8	6	6	4	4	18	1	2	744
November ...	13	12	5	4	8	17	51	141	115	110	144	45	4	11	12	...	2	...	...	...	...	3	1	...	2	2	1	5	6	3	2	1	...	720
December ...	37	18	29	11	12	10	38	189	98	93	75	26	3	2	2	1	1	21	6	4	2	...	...	...	1	4	23	10	1	6	10	11	...	744
Totals	67	77	85	55	79	102	358	1004	957	1214	1925	1276	564	246	124	59	41	79	11	51	5	12	22	45	36	43	53	29	31	28	48	23	9	8758
Percentages ...	0.75	.88	.97	.63	.90	1.16	4.09	11.45	10.93	13.86	21.98	14 57	6.44	2.81	1.42	0.67	·47	.92	.13	.58	.06	.14	.25	.51	.41	.49	.61	.33	.35	.32	.55	.26	.13	100.02

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

TABLE XXVII.

Observed Mean Hourly Velocity of the Wind in 1892.

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 ...	8.0	11.4	6.0	6.4	8.4	10.7	9.4	9.2	9.9	7.1	7.1	6.0	8.3
1 ...	8.1	10.9	6.0	6.1	8.1	10.4	9.6	8.6	9.2	7.2	7.1	5.7	8.1
2 ...	8.3	11.1	6.0	6.1	8.2	10.4	9.6	9.3	9.4	7.7	7.1	6.2	8.3
3 ...	7.6	10.5	5.8	6.3	8.1	10.3	9.5	8.0	9.1	7.1	6.9	5.7	7.9
4 ...	7.4	10.7	5.7	6.5	7.8	10.4	9.6	8.6	10.0	7.0	6.9	6.1	8.1
5 ...	8.0	10.6	5.5	6.5	7.0	10.4	9.7	8.6	10.1	7.2	6.9	6.0	8.0
6 ...	8.0	10.9	5.5	6.6	7.1	10.6	9.9	9.4	10.3	7.5	7.1	5.7	8.2
7 ...	9.3	11.2	5.4	6.7	7.6	10.8	10.6	9.3	10.9	8.8	10.0	6.9	9.0
8 ...	12.1	13.0	7.2	9.2	9.6	12.1	12.3	11.4	15.4	12.0	13.6	9.8	11.5
9 ...	11.7	13.5	7.9	9.1	11.1	15.5	13.9	13.3	16.9	12.5	13.1	10.0	12.4
10 ...	14.1	15.5	9.8	10.8	13.7	17.9	18.5	16.3	19.7	14.2	14.7	11.5	14.7
11 ...	13.9	16.0	10.6	11.7	13.4	18.9	18.8	16.0	19.5	14.2	15.4	11.8	15.0
12 ...	14.1	16.6	11.0	13.2	14.4	19.5	19.1	16.4	20.1	14.4	16.0	12.8	15.6
13 ...	14.0	16.6	10.8	13.9	13.8	19.7	19.3	15.9	20.3	14.4	15.3	13.2	15.6
14 ...	14.4	17.0	10.9	13.0	14.8	19.4	19.8	16.1	20.5	14.4	15.5	13.6	15.8
15 ...	13.3	16.3	9.9	11.8	13.3	18.4	18.0	15.5	19.3	13.9	14.9	12.8	14.8
16 ...	13.1	15.8	9.5	11.9	13.0	18.2	17.7	15.3	19.6	13.4	14.5	12.0	14.5
17 ...	12.4	14.3	8.4	10.2	11.2	16.4	14.2	13.2	17.1	12.2	12.6	11.0	12.8
18 ...	11.4	13.3	6.5	7.8	9.5	13.6	11.4	10.8	13.7	10.1	10.6	10.0	10.7
19 ...	9.0	11.3	5.6	7.1	8.4	12.0	9.6	9.6	10.9	7.6	8.6	7.0	8.9
20 ...	8.6	11.3	5.6	7.0	8.4	11.4	9.7	9.6	11.1	7.5	7.7	5.7	8.6
21 ...	8.3	10.9	5.5	6.8	8.2	11.2	9.8	9.6	10.8	7.1	7.7	5.7	8.5
22 ...	8.3	11.2	5.9	6.6	8.1	11.1	9.6	9.6	10.4	6.5	7.4	6.1	8.4
23 ...	7.8	11.4	6.0	6.6	8.1	11.0	9.3	9.9	10.2	6.5	7.0	6.1	8.3
Means ...	10.5	13.0	7.4	8.7	10.1	13.8	12.9	11.6	13.9	10.0	10.6	8.6	10.9

TABLE XXVIII.

Observed Mean Daily Velocity of the Wind in 1892.

Day.	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	9.8	6.5	6.6	12.4	14.9	16.6	14.9	16.1	10.8	8.2	7.1
2	15.4	9.9	4.5	8.4	12.4	16.8	15.0	11.1	13.9	10.5	9.1	9.4
3	15.7	10.1	5.3	8.0	8.1	18.2	16.1	9.3	12.9	10.2	9.9	8.0
4	14.3	10.0	5.1	7.7	4.4	15.1	14.4	11.5	10.7	6.9	10.9	6.6
5	12.6	10.5	4.6	9.3	3.3	16.2	12.2	12.6	10.2	5.7	10.1	6.8
6	10.8	10.1	5.0	8.3	10.4	17.3	13.4	10.1	13.0	9.2	10.2	6.9
7	11.7	11.4	4.5	4.6	15.2	15.2	11.5	7.2	12.3	11.2	10.7	6.7
8	5.3	10.5	5.9	4.6	11.0	16.2	14.4	6.2	15.6	9.2	10.5	7.8
9	6.9	12.7	3.2	4.2	10.6	15.9	13.3	10.4	16.8	9.1	12.8	7.1
10	9 7	17.5	5.8	4.6	7.9	17.8	13.6	10.4	17.1	9.2	14.4	6.2
11	11.2	21.6	5.5	5.4	8.2	17.4	13.0	11.0	15.4	10.1	11.2	6.4
12	16.3	37.4	5.8	5.5	9.9	14.9	7.7	14.9	16.6	11.3	13.1	7.9
13	17.4	26.0	7.2	9.5	8.1	11.4	8.8	14.0	12.1	11.7	13.9	10.8
14	13.4	13.7	7.9	8.6	6.0	10.1	16.5	12.7	14.0	15.3	19.3	9.9
15	14.2	5.7	9.9	6.2	11.8	8.6	14.2	13.9	15.4	16.9	13.6	9.4
16	10.4	3.9	11.2	4.9	18.6	11.3	15.9	12.1	11.2	15.9	13.2	11.2
17	9.6	6.7	11.1	4.9	7.8	12.4	13.7	13.0	13.5	14.9	11.0	10.6
18	5.2	5.1	6.5	6.0	6.3	9.8	10.8	14.6	13.1	11.9	11.1	7.2
19	5.5	4.6	8.4	6.7	6.8	6.0	16.8	12.7	14.7	12.2	8.6	5.6
20	12.2	4.8	9.8	5.6	7.2	8.0	17.3	11.6	11.2	12.1	8.9	6.6
21	10.2	5.9	10.2	5.6	10.8	11.6	12.2	10.6	11.0	9.0	9.0	7.7
22	7.9	6.8	11.8	5.0	12.5	14.7	12.2	11.9	9.6	9.2	9.9	5.0
23	8.5	9.2	10.7	7.0	11.9	15.1	8.4	8.9	11.9	12.1	9.0	6.7
24	8.2	12.9	12.3	7.8	12.4	15.3	14.3	10.9	13.9	9.3	7.4	7.9
25	6.2	19.9	13.1	11.4	9.7	14.4	15.1	12.4	16.7	9.4	8.3	11.4
26	8.0	24.1	11.8	12.0	8.9	12.5	7.9	13.5	15.4	10.3	10.9	11.5
27	7.4	23.0	6.2	13.9	8.5	12.6	7.4	9.4	17.9	5.8	8.7	10.9
28	8.1	19.6	4.5	12.2	6.0	12.6	11.9	8.9	17.0	6.5	6.3	11.0
29	8.8	12.6	4.8	41.8	14.9	13.7	11.3	8.9	16.4	5.4	7.9	11.2
30	10.0		4.9	13.2	16.3	16.6	10.7	12.0	12.4	4.0	8.5	13.1
31	10.3		4.6		13.6		12.3	19.4		5.2		13.3
Means ...	10.5	13.0	7.4	8.7	10.1	13.8	12.9	11.6	13.9	10.0	10.6	8.6

TABLE XXIX.

Mean Hourly and Monthly North and East Components of the Wind in 1892.

Month.	January.		February.		March.		April.		May.		June.		July.		Months.
Hours.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	Hours.
0	—2.06	+ 6.63	+0.96	+ 9.31	—2.08	+4.00	—2.46	+4.59	—4.49	+ 6.20	—5.16	+ 8.83	—4.51	+ 7.81	0
1	—2.02	+ 6.74	+0.78	+ 8.80	—2.26	+3.99	—2.10	+4.36	—4.43	+ 5.81	—5.13	+ 8.62	—4.70	+ 8.04	1
2	—2.15	+ 6.89	+0.76	+ 9.16	—2.46	+3.81	—2.32	+4.19	—4.53	+ 5.83	—5.08	+ 8.65	—4.73	+ 7.84	2
3	—2.01	+ 6.27	+0.83	+ 8.44	—2.21	+3.74	—2.07	+4.32	—4.57	+ 5.62	—5.10	+ 8.52	—4.43	+ 8.06	3
4	—1.91	+ 5.94	+0.52	+ 8.81	—2.20	+3.47	—2.49	+4.31	—4.55	+ 5.50	—5.16	+ 8.53	—4.38	+ 8.12	4
5	—1.97	+ 6.21	+0.63	+ 8.88	—2.09	+3.38	—2.92	+4.06	—3.72	+ 5.16	—5.14	+ 8.56	—4.49	+ 8.04	5
6	—2.23	+ 6.29	+0.66	+ 8.96	—2.18	+3.11	—2.80	+4.12	—3.99	+ 5.09	—5.28	+ 8.70	—4.72	+ 8.33	6
7	—2.34	+ 7.66	+0.31	+ 9.37	—2.28	+3.71	—2.76	+4.27	—4.35	+ 5.56	—5.18	+ 9.00	—5.04	+ 8.66	7
8	—1.68	+10.43	+0.40	+11.24	—2.71	+5.60	—3.67	+6.36	—5.48	+ 6.97	—4.68	+10.75	—5.42	+10.47	8
9	—1.03	+ 9.68	+1.48	+11.30	—1.90	+6.15	—2.66	+6.78	—5.64	+ 8.53	—6.68	+13.35	—5.85	+12.07	9
10	+0.35	+11.99	+2.21	+12.48	—1.79	+7.38	—1.71	+8.29	—6.61	+10.58	—7.08	+15.34	—6.55	+16.41	10
11	+1.01	+11.60	+3.00	+12.29	—0.55	+7.56	—0.64	+8.30	—5.75	+10.57	—7.13	+16.18	—6.98	+16.45	11
12	+1.18	+11.35	+2.92	+12.87	+0.06	+7.90	+0.54	+8.65	—5.21	+11.27	—6.00	+17.05	—7.20	+16.87	12
13	+0.65	+11.33	+3.70	+12.36	—0.70	+7.32	+1.19	+8.53	—5.73	+10.22	—7.31	+16.29	—7.24	+16.99	13
14	+0.26	+11.93	+3.26	+13.10	—1.36	+6.80	+0.39	+8.83	—6.29	+10.77	—6.80	+16.51	—7.75	+17.40	14
15	—0.25	+10.67	+2.24	+12.59	—1.55	+5.79	—0.66	+7.82	—5.42	+ 9.98	—7.20	+15.14	—6.88	+15.47	15
16	—0.58	+10.77	+2.40	+12.92	—2.19	+5.52	—1.27	+7.25	—5.52	+ 9.78	—7.66	+15.07	—6.90	+15.40	16
17	—1.76	+10.03	+1.98	+11.62	—2.36	+5.36	—1.69	+6.22	—5.22	+ 8.26	—6.75	+13.69	—6.26	+12.18	17
18	—2.20	+ 9.33	+1.27	+11.04	—2.22	+4.31	—1.60	+4.66	—4.72	+ 7.13	—5.55	+11.33	—5.17	+ 9.73	18
19	—2.53	+ 6.95	+0.72	+ 9.57	—1.83	+3.82	—1.40	+4.48	—4.18	+ 5.97	—5.08	+ 9.91	—4.72	+ 7.94	19
20	—2.47	+ 6.85	+0.71	+ 9.51	—2.30	+3.78	—1.56	+4.73	—4.32	+ 6.17	—4.71	+ 9.50	—4.47	+ 8.13	20
21	—2.44	+ 6.81	+0.96	+ 8.98	—2.17	+3.58	—1.57	+4.92	—4.14	+ 6.25	—4.56	+ 9.51	—4.79	+ 7.99	21
22	—2.29	+ 6.93	+1.06	+ 9.15	—2.65	+3.81	—1.62	+4.70	—4.25	+ 6.00	—4.71	+ 9.33	—4.34	+ 7.97	22
23	—2.14	+ 6.41	+1.01	+ 9.11	—2.62	+3.87	—1.74	+4.72	—4.23	+ 6.12	—4.67	+ 9.26	—4.30	+ 7.62	23
Means...	—1.36	+ 8.57	+1.45	+10.49	—1.94	+4.92	—1.65	+5.81	—4.89	+ 7.47	—5.74	+11.57	—5.49	+11.00	Means.

TABLE XXIX.—(Continued)

Mean Hourly and Monthly North and East Components of the Wind in 1892.

Months.	August.		September.		October.		November.		December.		Mean for the year.		Variations.		Months.
Hours.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	Hours.
0 ...	−3.54	+ 8.08	−4.46	+ 8.64	−3.20	+ 5.63	−1.64	+ 5.83	−0.17	+4.14	−2.73	+ 6.64	−0.31	−2.23	0
1 ...	−3.28	+ 7.57	−4.18	+ 7.73	−3.59	+ 5.58	−2.28	+ 5.93	−0.34	+3.97	−2.79	+ 6.43	−0.37	−2.44	1
2 ...	−3.21	+ 8.12	−3.94	+ 8.22	−3.83	+ 6.12	−2.03	+ 6.05	−0.73	+4.76	−2.85	+ 6.64	−0.43	−2.23	2
3 ...	−3.13	+ 6.89	−4.02	+ 7.89	−3.50	+ 5.65	−1.83	+ 5.68	−0.90	+4.44	−2.74	+ 6.29	−0.32	−2.58	3
4 ...	−3.40	+ 7.44	−4.96	+ 8.26	−3.64	+ 5.50	−1.78	+ 5 76	−1.14	+4.40	−2.92	+ 6.34	−0.50	−2.53	4
5 ...	−3.29	+ 7.35	−4.39	+ 8.49	−3.71	+ 5.63	−1.94	+ 5.84	−1.13	+4.65	−2.85	+ 6.35	−0.43	−2.52	5
6 ...	−3.38	+ 8.14	−4.48	+ 8.71	−3.19	+ 6.33	−2.43	+ 6.03	−1.29	+4.11	−2.94	+ 6.49	−0.52	−2.38	6
7 ...	−3.26	+ 8.23	−4.38	+ 9.45	−3.45	+ 7.67	−1.81	+ 8.77	−1.45	+5.35	−3.00	+ 7.31	−0.58	−1.56	7
8 ...	−3.66	+10.16	−6.12	+13.80	−2.59	+11.14	−0.23	+12.08	+1.33	+8.31	−2.88	+ 9.78	−0 46	+0.91	8
9 ...	−2.77	+11.89	−4.71	+15.82	−1.20	+11.30	+0.41	+11.45	+2.21	+7.57	−2.36	+10.49	+0.06	+1.62	9
10 ...	−2.16	+15.07	−6 17	+18.38	+0.10	+12.27	+1.68	+12.61	+3.45	+8.33	−2.02	+12.43	+0.40	+3.56	10
11 ...	−1.83	+14.84	−5.94	+18.29	+0.56	+11.89	+1.89	+12.99	+4.03	+8.36	−1.53	+12.44	+0.89	+3.57	11
12 ...	−1.65	+15.53	−6.50	+18.70	+0.17	+11.69	+2.82	+13.75	+4.35	+8.47	−1.21	+12.54	+1.21	+3.97	12
13 ...	−2.47	+14.84	−6.33	+18.78	+0.65	+11.29	+3.32	+13.15	+5.31	+9.33	−1.25	+12.54	+1.17	+3.67	13
14 ...	−1.07	+15.09	−6.87	+18.92	+0.02	+11.35	+3.11	+13.12	+4.79	+9.49	−1.53	+12.78	+0.89	+3.91	14
15 ...	−2.63	+14.24	−6.61	+17.61	−0.77	+11.25	+2.67	+12.70	+3.81	+8.15	−1.94	+11.78	+0.48	+2.91	15
16 ...	−3.54	+13.99	−6.74	+17.93	− 1.44	+11.07	+1.89	+12.40	+3.18	+7.96	−2.36	+11.67	+0.06	+2.80	16
17 ...	−4.06	+12.14	−6.33	+15.36	−2.35	+ 9.95	+1.06	+10.90	+1.95	+7.55	−2.65	+10.27	−0.23	+1.40	17
18 ...	−3.92	+ 9.65	−5.80	+12 11	−3.00	+ 8.14	−0.78	+ 9.24	+1.37	+7.69	−2.69	+ 8.70	−0.27	−0.17	18
19 ...	−3.74	+ 8.35	−5.07	+ 9.49	−2.40	+ 6.33	−1.19	+ 7.17	+0.32	+5.38	−2.59	+ 7.11	−0.17	−1.76	19
20 ...	−3.86	+ 8.60	−4.86	+ 9.71	−2.76	+ 6.12	−1.23	+ 6.67	−0.10	+4.31	−2.66	+ 7.01	−0.24	−1.86	20
21 ...	−3.62	+ 8.37	−4.36	+ 9.51	−2.27	+ 5.96	−1.46	+ 6.66	−0.22	+4.35	−2.55	+ 6.93	−0.13	−1.94	21
22 ...	−4.18	+ 8.13	−4.08	+ 9.20	−2.41	+ 5.30	−1.07	+ 6.56	−0.21	+4.66	−2.56	+ 6.81	−0.14	−2.06	22
23 ...	−3.96	+ 8.51	−3.94	+ 9.16	−2.73	+ 5.32	−1.40	+ 6.21	−0.19	+4.46	−2.58	+ 6.73	−0.16	−2.14	23
Means ...	−3.15	+10.47	−5.05	+12.51	−2.11	+ 8.27	−0.18	+ 9.06	+1.18	+6.26	−2.42	+ 8.87			Means.

TABLE XXX.

Computed Mean Hourly and Monthly Direction and Velocity of the Wind in 1892.

Month.	January.		February.		March.		April.		May.		June.		July.		Month.
Hours.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Hours.
0 ...	6.94	S 72°—44′E	8.83	N°84—56′E	4.51	S 62°—32′E	5.21	S 61°—49′E	7.66	S 54°—05′E	10.23	S 59°—42′E	9.02	S 60°—00′E	0
1 ...	7.04	S 73—19 E	9.19	N 85—15 E	4.59	S 60—28 E	4.84	S 64—17 E	7.31	S 52—41 E	10.03	S 59—15 E	9.31	S 59—41 E	1
2 ...	7.22	S 72—40 E	8.48	N 84—23 E	4.54	S 57—09 E	4.79	S 61—02 E	7.38	S 52—09 E	10.03	S 59—34 E	9.16	S 58—54 E	2
3 ...	6.58	S 72—14 E	8.83	N 86—37 E	4.34	S 59—25 E	4.79	S 64—24 E	7.24	S 50—53 E	9.93	S 59—06 E	9.20	S 61—12 E	3
4 ...	6.24	S 72—10 E	8.90	N 85—57 E	4.11	S 57—38 E	4.98	S 59—59 E	7.14	S 50—24 E	9.97	S 58—50 E	9.23	S 61—39 E	4
5 ...	6.51	S 72—24 E	8.98	N 85—47 E	3.97	S 58—16 E	5.00	S 54—17 E	6.36	S 54—13 E	9.98	S 59—01 E	9.21	S 60—49 E	5
6 ...	6.67	S 70—29 E	9.37	N 88—06 E	3.80	S 54—58 E	4.98	S 55—48 E	6.47	S 51—54 E	10.18	S 58—45 E	9.57	S 60—28 E	6
7 ...	8.01	S 73—01 E	11.25	N 87—58 E	4.35	S 58—26 E	5.08	S 57—07 E	7.06	S 51—58 E	10.38	S 60—05 E	10.02	S 59—48 E	7
8 ...	10.56	S 80—51 E	11.40	N 82—32 E	6.22	S 64—11 E	7.34	S 60—01 E	8.87	S 51—49 E	11.72	S 66—28 E	11.79	S 62—38 E	8
9 ...	9.73	S 83—56 E	12.67	N 79—57 E	6.44	S 72—50 E	7.28	S 68—35 E	10.23	S 56—32 E	14.93	S 63—25 E	13.41	S 64—09 E	9
10 ...	12.00	N 88—20 E	12.65	N 76—17 E	7.59	S 76—22 E	8.46	S 78—21 E	12.47	S 58—00 E	16.89	S 65—13 E	17.67	S 68—14 E	10
11 ...	11.64	N 85—01 E	13.20	N 77—13 E	7.58	S 85—50 E	8.32	S 85—35 E	12.03	S 61—27 E	17.68	S 66—13 E	17.87	S 67—00 E	11
12 ...	11.41	N 84—04 E	12.90	N 73—20 E	7.90	N 89—34 E	8.67	N 86—26 E	12.42	S 65—11 E	18.07	S 70—37 E	18.34	S 66—53 E	12
13 ...	11.35	N 86—43 E	13.50	N 76—02 E	7.35	S 84—32 E	8.61	N 82—03 E	11.72	S 60—43 E	17.85	S 65—50 E	18.47	S 66—55 E	13
14 ...	11.93	N 88—45 E	12.79	N 79—55 E	6.93	S 78—41 E	8.84	N 87—28 E	12.47	S 59—43 E	17.86	S 67—37 E	19.05	S 66—00 E	14
15 ...	10.67	S 88—39 E	13.14	N 79—29 E	5.99	S 75—01 E	7.85	S 85—11 E	11.36	S 61—30 E	16.76	S 64—34 E	16.93	S 66—01 E	15
16 ...	10.79	S 86—55 E	11.79	N 80—20 E	5.94	S 68—22 E	7.36	S 80—04 E	11.24	S 60—31 E	16.90	S 63—03 E	16.87	S 65—52 E	16
17 ...	10.18	S 80—03 E	11.11	N 83—26 E	5.86	S 66—14 E	6.45	S 74—48 E	9.77	S 57—43 E	15.26	S 63—45 E	13.69	S 62—48 E	17
18 ...	9.59	S 76—44 E	9.60	N 85—42 E	4.85	S 62—45 E	4.93	S 71—03 E	8.55	S 56—30 E	12.62	S 63—54 E	11.02	S 62—01 E	18
19 ...	7.40	S 70—00 E	9.54	N 85—44 E	4.23	S 64—24 E	4.69	S 72—39 E	7.29	S 55—00 E	11.13	S 62—52 E	9.24	S 59—16 E	19
20 ...	7.28	S 70—10 E	9.03	N 83—54 E	4.42	S 58—41 E	4.98	S 71—45 E	7.53	S 55—00 E	10.60	S 63—38 E	9.28	S 61—12 E	20
21 ...	7.23	S 70—17 E	9.21	N 83—24 E	4.45	S 60—47 E	5.16	S 72—18 E	7.50	S 56—28 E	10.55	S 64—23 E	9.32	S 59—03 E	21
22 ...	7.30	S 71—43 E	9.17	N 83—40 E	4.64	S 55—11 E	4.97	S 70—59 E	7.35	S 54—41 E	10.45	S 63—13 E	9.07	S 61—26 E	22
23 ...	6.76	S 71—32 E	9.36	N 84—07 E	4.67	S 55—54 E	5.03	S 69—46 E	7.43	S 55—18 E	10.37	S 63—14 E	8.75	S 60—34 E	23
Means.	8.68	S°80—59′E	10.59	N 82°—08′E	5.29	S 68°—29′E	6.04	S 74°—09′E	8.93	S 56°—47′E	12.92	S 63°—37′E	12.29	S 63°—29′E	Means.

TABLE XXX.—(*Continued*).

Computed Mean Hourly and Monthly Direction and Velocity of the Wind in 1892.

Months.	August.		September.		October.		November.		December		Mean for the year.		Variations.		Months.
Hours.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	+ Above. — Below. Mean Velocity.	N=North. S=South. of Mean Direction.	Hours.
0 ...	8.82	S 66°—20'E	9.72	S 62°—42'E	6.52	S 60°—37'E	6.06	S 74°—17'E	4.14	S 87°—39'E	7.18	S 67°—39'E	— 2.01	S 7° —05'	0
1 ...	8.25	S 66 —34 E	8.79	S 61 —36 E	6.63	S 57 —15 E	6.35	S 68 —58 E	3.98	S 85 —06 E	7.01	S 66 —33 E	— 2.18	S 8 —11	1
2 ...	8.73	S 68 —26 E	9.12	S 64 —23 E	7.22	S 57 —58 E	6.38	S 71 —27 E	4.82	S 81 —17 E	7.23	S 66 —46 E	— 1.96	S 7 —58	2
3 ...	7.57	S 65 —34 E	8.85	S 63 —00 E	6.65	S 58 —13 E	5.97	S 72 —09 E	4.53	S 78 —32 E	6.86	S 66 —28 E	— 2.33	S 8 —16	3
4 ...	8.18	S 65 —26 E	9.63	S 59 —01 E	6.60	S 56 —30 E	6.03	S 72 —50 E	4.54	S 75 —28 E	6.98	S 65 —16 E	— 2.21	S 9 —28	4
5 ...	8.05	S 65 —53 E	9.56	S 62 —39 E	6.74	S 56 —37 E	6.15	S 71 —37 E	4.79	S 76 —20 E	6.96	S 65 —50 E	— 2.23	S 8 —54	5
6 ...	8.81	S 67 —27 E	9.79	S 62 —47 E	7.09	S 63 —15 E	6.50	S 68 —03 E	4.31	S 72 —34 E	7.12	S 65 —38 E	— 2.07	S 9 —06	6
7 ...	8.85	S 68 —23 E	10.42	S 65 —08 E	8.41	S 65 —47 E	8.95	S 78 —20 E	5.54	S 74 —50 E	7.90	S 67 —41 E	— 1.29	S 7 —03	7
8 ...	10.80	S 70 —11 E	15.10	S 66 —11 E	11.44	S 76 —55 E	12.08	S 88 —55 E	8.42	N 80 —54 E	10.19	S 73 —35 E	+ 1.00	S 1 —09	8
9 ...	12.21	S 76 —53 E	16.51	S 73 —25 E	11.36	S 83 —56 E	11.46	N 87 —57 E	7.89	N 73 —44 E	10.75	S 77 —19 E	+ 1.56	N 2 —35	9
10 ...	15.25	S 81 —51 E	19.39	S 71 —27 E	12.27	N 89 —32 E	12.72	N 82 —25 E	9.02	N 67 —30 E	12.59	S 80 —46 E	+ 3.40	N 6 —02	10
11 ...	14.95	S 82 —58 E	19.23	S 72 —00 E	11.90	N 87 —18 E	13.13	N 81 —43 E	9.28	N 64 —16 E	12.53	S 82 —59 E	+ 3.34	N 8 —15	11
12 ...	15.62	S 83 —56 E	19.80	S 70 —50 E	11.69	N 89 —10 E	14.04	N 78 —25 E	9.52	N 62 —49 E	12.90	S 84 —37 E	+ 3.71	N 9 —53	12
13 ...	15.04	S 80 —33 E	19.82	S 71 —22 E	11.34	N 86 —42 E	13.56	N 75 —50 E	10.74	N 60 —21 E	12.60	S 84 —18 E	+ 3.41	N 9 —34	13
14 ...	15.13	S 85 —57 E	20.13	S 70 —03 E	11.35	N 89 —54 E	13.48	N 76 —40 E	10.63	N 63 —13 E	12.87	S 83 —10 E	+ 3.68	N 8 —26	14
15 ...	14.48	S 79 —32 E	18.81	S 69 —26 E	11.28	S 86 —05 E	12.98	N 78 —08 E	9.00	N 64 —57 E	11.94	S 80 —39 E	+ 2.75	N 5 —55	15
16 ...	14.43	S 75 —48 E	19.16	S 69 —24 E	11.17	S 82 —35 E	12.54	N 81 —20 E	8.61	N 68 —13 E	11.91	S 78 —34 E	+ 2.72	N 3 —50	16
17 ...	12.80	S 71 —31 E	16.61	S 67 —36 E	10.22	S 76 —43 E	10.95	N 84 —27 E	7.75	N 76 —57 E	10.61	S 75 —32 E	+ 1.42	N 0 —48	17
18 ...	10.42	S 67 —54 E	13.43	S 64 —24 E	8.68	S 69 —46 E	9.27	S 85 —10 E	7.81	N 79 —54 E	9.10	S 72 —49 E	— 0.09	S 1 —55	18
19 ...	9.15	S 65 —52 E	10.76	S 61 —53 E	6.77	S 69 —14 E	7.27	S 80 —35 E	5.39	N 86 —36 E	7.57	S 69 —59 E	— 1.62	S 4 —45	19
20 ...	9.43	S 65 —50 E	10.86	S 63 —25 E	6.71	S 65 —44 E	6.78	S 79 —33 E	4.31	S 88 —40 E	7.49	S 69 —13 E	— 1.70	S 5 —31	20
21 ...	9.12	S 66 —37 E	10.46	S 65 —22 E	6.38	S 69 —09 E	6.82	S 77 —38 E	4.36	S 87 —06 E	7.38	S 69 —48 E	— 1.81	S 4 —56	21
22 ...	9.14	S 62 —47 E	10.06	S 66 —05 E	5.82	S 65 —33 E	6.65	S 80 —44 E	4.66	S 87 —25 E	7.28	S 69 —24 E	— 1.91	S 5 —20	22
23 ...	9.39	S 65 —03 E	9.97	S 66 —44 E	5.98	S 62 —50 E	6.37	S 77 —18 E	4.46	S 87 —34 E	7.21	S 69 —02 E	— 1.98	S 5 —42	23
Means...	10.93	S 73°—15'E	13.56	S 67°—21'E	8.53	S 75°—41'E	9.06	S 88°—52'E	6.37	N 79°—20'E	9.19	S 74°—44'E			Means.

TABLE XXXI.

Mean Daily and Monthly North and East Components of the Wind in 1892.

Month.	January.		February.		March.		April.		May.		June.		Month.
Day.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	Day.
1	− 3.67	+11.82	− 0.22	+ 9.36	+ 1.72	+ 5.76	− 0.28	+ 6.38	− 9.32	+ 8.02	−11.30	+ 9.18	1
2	− 4.32	+14.42	+ 1.16	+ 9.82	+ 0.60	+ 4.37	− 2.34	+ 7.80	− 8.28	+ 9.15	−11.93	+11.43	2
3	− 6.40	+14.17	− 0.96	+ 9.30	+ 1.37	+ 4.76	− 2.27	+ 7.09	− 5.37	+ 5.57	− 7.72	+16.19	3
4	− 4.10	+13.30	− 0.72	+ 9.69	+ 2.07	− 2.02	− 3.08	+ 6.64	− 1.81	− 2.48	− 5.54	+13.60	4
5	− 1.82	+12.11	+ 0.79	+10.39	− 1.70	+ 0.35	− 4.59	+ 7.81	− 1.68	− 0.84	− 4.12	+15.57	5
6	− 0.29	+10.50	+ 0.55	+10.04	− 1.90	+ 4.55	− 3.28	+ 7.13	− 7.50	+ 6.45	− 7.27	+15.68	6
7	+ 0.12	+11.39	+ 0.32	+11.17	+ 1.77	− 0.17	+ 0.44	+ 4.29	−10.50	+10.83	− 4.69	+14.23	7
8	+ 1.38	+ 5.09	+ 0.52	+10.23	+ 0.31	+ 3.07	+ 0.46	+ 1.28	− 7.27	+ 8.01	− 6.57	+14.40	8
9	+ 1.18	+ 6.62	− 0.45	+12.41	− 0.77	+ 2.79	− 2.17	+ 0.50	− 6.13	+ 8.53	− 6.37	+14.36	9
10	− 3.17	+ 8.83	− 5.71	+16.41	− 0.80	+ 2.77	− 1.43	− 0.46	− 2.51	+ 7.14	− 7.33	+16.11	10
11	− 4.58	+ 9.88	+ 1.99	+20.64	− 0.18	+ 3.54	− 2.02	+ 4.41	+ 0.47	+ 7.70	− 8.25	+15.19	11
12	− 5.98	+14.85	+15.32	+32.10	+ 0.10	+ 5.51	− 0.49	+ 4.69	+ 1.23	+ 9.78	− 6.57	+13.15	12
13	− 3.36	+16.76	+23.16	+11.25	− 0.67	+ 6.93	− 1.07	+ 8.58	+ 0.93	+ 7.97	− 2:05	+11.04	13
14	+ 2.98	+12.83	+12.88	+ 4.23	− 1.17	+ 7.56	− 2.56	+ 7.80	+ 1.09	+ 5.45	+ 1.12	+ 9.91	14
15	+ 7.46	+11.47	+ 5.38	+ 0.44	− 3.10	+ 9.12	+ 0.40	+ 5.82	− 8.64	+ 7.82	− 1.35	+ 8.43	15
16	+ 8.89	+ 4.42	+ 1.02	+ 2.60	− 6.41	+ 8.96	− 1.06	+ 2.20	−11.69	+14.23	− 7.34	+ 8.28	16
17	+ 5.85	− 5.89	− 0.29	+ 6.50	− 7.27	+ 7.88	− 1.45	+ 0.75	− 4.44	+ 6.34	− 7.56	+ 9.71	17
18	+ 0.15	− 3.90	+ 0.02	+ 1.85	− 2.46	+ 5.48	− 2.60	+ 5.27	− 0.79	+ 5.86	− 5.90	+ 7.74	18
19	− 4.28	+ 1.86	− 0.54	+ 0.51	− 2.27	+ 7.42	− 0.02	+ 6.47	− 2.38	+ 5.41	+ 0.18	+ 2.14	19
20	− 7.42	+ 9.00	− 1.25	+ 0.10	− 3.32	+ 9.10	+ 0.29	+ 5.43	− 4.94	+ 4.65	− 6.69	− 2.10	20
21	− 4.75	+ 8.81	+ 3.37	+ 1.22	− 2.54	+ 9.70	− 1.76	+ 4.97	− 5.04	+ 9.45	− 9.46	+ 6.07	21
22	− 2.35	+ 6.96	+ 2.43	+ 5.70	− 4.30	+10.80	− 0.89	+ 4.34	− 6.03	+10.73	− 7.91	+12.31	22
23	− 3.84	+ 7.12	− 5.38	+ 7.21	− 4.04	+ 9.62	− 3.02	+ 6.10	− 4.02	+10.86	− 5.22	+14.10	23
24	− 2.92	+ 7.31	− 8.94	+ 9.25	− 5.40	+10.97	− 3.00	+ 7.07	− 1.35	+11.85	− 4.03	+14.50	24
25	+ 0.57	+ 5.86	−11.94	+15.76	− 7.92	+10.42	− 6.29	+ 9.39	− 4.23	+ 8.64	− 4.72	+13.50	25
26	− 1.87	+ 7.09	− 4.39	+23.30	− 6.42	+ 9.71	− 7.78	+ 8.89	− 2.14	+ 8.22	− 2.79	+12.00	26
27	− 0.76	+ 6.76	+ 3.77	+22.52	− 4.00	+ 3.77	− 1.72	+12.98	− 0.66	+ 8.31	− 3.12	+12.05	27
28	− 0.13	+ 7.91	+ 5.47	+18.66	− 1.00	− 2.94	+ 7.37	+ 9.10	− 1.23	+ 5.09	− 3.63	+11.86	28
29	− 1.32	+ 8.56	+ 4.68	+11.66	+ 0.12	− 4.63	*.....	.....	−12.57	+ 6.99	− 6.47	+11.99	29
30	− 1.82	+ 9.70			+ 0.58	− 3.60	*.....	.....	−14.06	+ 7.90	− 7.67	+14.41	30
31	− 1.53	+10.02			− 1.20	+ 0.95			−10.72	+ 8.02			31
Means	− 1.36	+ 8.57	+ 1.45	+10.49	− 1.94	+ 4.92	− 1.65	+ 5.81	− 4.89	+ 7.47	− 5.74	+11.57	Means.

* On 29th. and 30th., direction not complete.

TABLE XXXI.—(Continued).

Mean Daily and Monthly North and East Components of the Wind in 1892.

Month.	July.		August.		September.		October.		November.		December.		Month.
Day.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	Day.
1	— 5.61	+15.25	— 5.72	+13.68	—8.82	+13.10	—1.40	+10.32	+1.84	+ 7.65	+0.21	+ 5.02	1
2	— 6.76	+13.19	— 1.82	+10.72	—6.92	+11.75	—2.20	+ 9.73	—0.47	+ 8.78	0.00	+ 9.15	2
3	— 7.96	+13.80	— 1.77	+ 8.90	—5.74	+11.02	—0.32	+ 9.87	—0.39	+ 9.48	+3.63	+ 5.63	3
4	— 6.26	+12.87	— 4.32	+10.49	—4.99	+ 9.13	—0.18	+ 0.35	—0.52	+10.48	+2.58	+ 1.50	4
5	— 5.79	+10.56	0.00	+12.09	—8.22	+ 5.44	—0.18	+ 0.46	—0.60	+ 9.70	+1.83	— 1.50	5
6	— 5.74	+11.67	+ 1.55	+ 9.96	—7.28	+10.57	—2.04	+ 7.52	—0.42	+ 9.75	+4.71	— 4.16	6
7	— 5.66	+ 9.70	— 0.36	+ 6.83	—5.13	+10.93	—2.73	+10.63	—0.80	+10.20	+1.31	— 4.43	7
8	— 6.82	+12.54	— 2.00	+ 4.77	—5.06	+14.54	—3.61	+ 8.18	—3.16	+ 9.51	+6.63	+ 0.71	8
9	— 4.32	+12.22	— 4.52	+ 9.05	—5.41	+15.67	+0.03	+ 8.63	—3.42	+12.02	+4.02	+ 0.42	9
10	— 4.93	+12.40	— 2.21	+ 9.94	—5.75	+16.05	—1.05	+ 8.96	—1.77	+14.01	+3.85	+ 0.02	10
11	— 2.53	+12.23	— 3.50	+10.09	—5.61	+14.17	—1.25	+ 9.84	—0.55	+10.60	+6.18	+ 0.78	11
12	+ 0.17	+ 7.32	— 6.02	+13.40	—3.67	+16.00	—0.44	+10.92	—2.92	+12.55	+0.51	+ 7.45	12
13	— 6.74	+ 5.39	— 2.82	+13.39	—3.33	+11.43	—3.15	+10.93	—3.28	+13.17	—1.95	+10.27	13
14	—11.11	+11.96	— 3.31	+12.02	—5.03	+12.65	—5.75	+14.06	—2.26	+18.96	+0.09	+ 9.65	14
15	— 7.29	+11.92	— 2.81	+12.94	—5.05	+14.36	—6.23	+15.56	—0.28	+13.30	+0.54	+ 9.22	15
16	— 4.93	+14.91	— 3.10	+11.07	—2.32	+10.38	—6.38	+14.31	—1.31	+12.62	+2.21	+10.90	16
17	— 2.45	+13.28	— 4.91	+11.78	—4.41	+12.52	—5.45	+13.67	—2.63	+10.42	+0.73	+10.50	17
18	— 5.50	+ 9.09	— 4.02	+13.75	—4.95	+11.91	—3.51	+10.84	—3.18	+10.36	+2.39	+ 6.45	18
19	— 7.72	+14.74	— 3.56	+11.93	—6.18	+13.03	—2.75	+11.35	+0.54	+ 8.32	+0.69	+ 5.37	19
20	— 4.55	+16.56	— 2.52	+11.00	—5.49	+ 9.67	—3.15	+11.33	+0.74	+ 8.59	+0.35	+ 6.23	20
21	— 4.10	+11.40	— 3.33	+ 9.84	—4.75	+ 9.72	—4.65	+ 7.37	—1.19	+ 8.61	+0.47	+ 7.43	21
22	— 7.02	+ 9.82	— 1.39	+11.41	—4.57	+ 8.08	—5.40	+ 6.97	+0.70	+ 9.42	—0.13	+ 4.53	22
23	— 5.18	+ 6.32	+ 0.28	+ 8.31	—4.30	+10.77	—5.01	+10.77	+2.84	+ 8.23	+1.62	+ 5.23	23
24	— 9.86	+ 9.92	+ 0.09	+10.45	—5.97	+12.37	—4.66	+ 7.74	+0.02	+ 4.51	+0.42	+ 7.80	24
25	—11.99	+ 8.78	— 0.03	+12.08	—5.27	+15.55	+0.33	+ 8.98	—1.65	+ 6.79	—1.14	+10.99	25
26	— 6.80	+ 3.17	— 1.32	+12.97	—5.07	+14.25	+1.30	+10.11	+8.95	+ 4.36	—0.32	+11.30	26
27	+ 0.83	+ 6.88	— 1.24	+ 8.97	—5.10	+17.01	+1.85	+ 3.95	+4.77	— 4.75	—1.40	+10.44	27
28	— 4.52	+10.73	— 2.91	+ 8.07	—4.72	+15.98	+1.00	— 1.65	+2.57	— 0.97	—1.32	+10.46	28
29	— 1.46	+11.04	— 5.90	+ 5.86	—3.30	+15.80	—0.72	+ 0.13	+0.29	+ 7.25	—1.52	+10.65	29
30	— 3.84	+ 9.89	—10.00	+ 6.22	—4.11	+11.34	+0.11	+ 0.72	+2.22	+ 8.00	+0.20	+12.86	30
31	— 3.85	+11.45	—14.18	+12.51			+1.98	+ 3.80			—0.87	+13.12	31
Means.	— 5.49	+11.00	— 3.15	+10.47	—5.22	+12.51	—2.10	+ 8.27	—0.18	+ 9.06	+1.18	+ 6.26	Means.

TABLE XXXII.

Computed Mean Daily and Monthly Direction and Velocity of the Wind in 1892.

Month.	January.		February.		March.		April.		May.		June.		Month.
Day.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Day.
1	12.38	S 72°—45'E	9.36	S 88°—39'E	6.01	N 73°—22'E	6.39	S 87°—29'E	12.02	S 49°—17'E	14.56	S 39°—05'E	1
2	15.05	S 73 —19 E	9.89	N 83 —16 E	4.41	N 82 —11 E	8.14	S 73 —18 E	12.34	S 47 —51 E	16.52	S 43 —46 E	2
3	15.55	S 65 —42 E	9.35	S 84 —06 E	4.95	N 73 —57 E	7.44	S 72 —15 E	7.74	S 46 —03 E	17.94	S 64 —30 E	3
4	13.92	S 72 —52 E	9.72	S 85 —45 E	2.89	N 44 —18 W	7.32	S 65 —07 E	3.07	S 53 —53 W	14.68	S 67 —50 E	4
5	12.25	S 81 —27 E	10.42	N 85 —39 E	1.74	S 11 —38 E	9.06	S 59 —33 E	1.88	S 26 —34 W	16.11	S 75 —11 E	5
6	10.50	S 88 —25 E	10.05	N 86 —52 E	4.93	S 67 —20 E	7.85	S 65 —18 E	9.89	S 40 —42 E	17.28	S 65 —08 E	6
7	11.39	N 89 —24 E	11.17	N 88 —22 E	1.78	N 5 —29 W	4.31	N 84 —09 E	15.07	S 45 —53 E	14.98	S 71 —46 E	7
8	5.27	N 74 —50 E	10.24	N 87 —05 E	3.09	N 84 —14 E	1.36	N 70 —14 E	10.82	S 47 —46 E	15.83	S 65 —29 E	8
9	6.72	N 79 —54 E	12.42	S 87 —55 E	2.89	S 74 —34 E	2.23	S 12 —59 E	10.50	S 54 —18 E	15.71	S 66 —05 E	9
10	9.38	S 70 —15 E	17.37	S 70 —49 E	2.88	S 73 —53 E	1.50	S 17 —50 W	7.57	S 70 —38 E	17.70	S 65 —32 E	10
11	10.89	S 65 —08 E	20.74	N 84 —30 E	3.54	S 87 —05 E	4.85	S 65 —23 E	7.71	N 86 —30 E	17.29	S 61 —30 E	11
12	16.01	S 68 —04 E	35.57	N 64 —29 E	5.51	N 88 —58 E	4.72	S 84 —02 E	9.86	N 82 —50 E	14.70	S 63 —27 E	12
13	17.09	S 78 —40 E	25.75	N 25 —54 E	6.96	S 84 —29 E	8.65	S 82 —53 E	8.02	N 83 —21 E	11.23	S 79 —29 E	13
14	13.17	N 76 —55 E	13 56	N 18 —11 E	7.65	S 81 —12 E	8.21	S 71 —50 E	5.56	N 78 —41 E	9.97	N 83 —33 E	14
15	13.68	N 56 —58 E	5.40	N 4 —40 E	9.63	S 71 —14 E	5.83	N 86 —04 E	11.65	S 42 —09 E	8.54	S 80 —54 E	15
16	9.93	N 26 —26 E	2.79	N 68 —35 E	11.02	S 54 —25 E	2.44	S 64 —16 E	18.42	S 50 —36 E	11.06	S 48 —27 E	16
17	8.30	N 45 —12 W	6.51	S 87 —27 E	10.72	S 47 —18 E	1.63	S 27 —21 E	7.74	S 55 —00 E	12.31	S 52 —06 E	17
18	3.90	N 87 —48 W	1.85	N 89 —23 E	6.19	S 66 —35 E	5.89	S 63 —29 E	5.91	S 82 —19 E	9.73	S 52 —41 E	18
19	4.67	S 23 —29 E	0.74	S 43 —22 E	7.76	S 72 —59 E	6.47	S 89 —49 E	5.91	S 66 —15 E	2.15	N 85 —12 E	19
20	11.66	S 50 —30 E	1.25	S 4 —34 E	9.69	S 69 —57 E	5.44	N 86 —57 E	6.78	S 43 —16 E	7.01	S 17 —26 W	20
21	10.15	S 61 —40 E	3.58	N 70 —06 E	10.03	S 75 —20 E	5.27	S 70 —30 E	10.71	S 61 —56 E	11.24	S 32 —41 E	21
22	7.35	S 71 —21 E	6.20	N 66 —55 E	11.62	S 68 —17 E	4.43	S 78 —25 E	12.31	S 60 —40 E	14.63	S 57 —17 E	22
23	8.09	S 61 —40 E	9.00	S 53 —16 E	10.43	S 67 —13 E	6.81	S 63 —40 E	11.58	S 69 —41 E	15.04	S 69 —41 E	23
24	7.87	S 68 —14 E	12.86	S 45 —59 E	12.23	S 63 —47 E	7.68	S 67 —00 E	11.93	S 83 —30 E	15.05	S 74 —28 E	24
25	5.89	N 84 —27 E	19.77	S 52 —51 E	13.09	S 52 —46 E	11.30	S 56 —11 E	9.62	S 63 —55 E	14.30	S 70 —44 E	25
26	7.33	S 75 —13 E	23.71	S 79 —20 E	11.64	S 56 —32 E	11.81	S 48 —49 E	8.49	S 75 —24 E	12.32	S 76 —55 E	26
27	6.80	S 83 —35 E	22.83	N 80 —30 E	5.50	S 43 —18 E	13.09	S 82 —27 E	8.34	S 85 —28 E	12.45	S 75 —29 E	27
28	7.91	S 89 —04 E	19.44	N 73 —40 E	3.11	S 71 —13 W	11.71	N 51 —00 E	5.24	S 76 —25 E	12.40	S 72 —59 E	28
29	8.66	S 81 —14 E	12.56	N 68 —08 E	4.64	N 88 —31 W	.....	*.....	14.38	S 29 —05 E	13.62	S 61 —39 E	29
30	9.87	S 79 —22 E			3.65	N 80 —51 W	.....	*.....	16.13	S 29 —20 E	16.32	S 61 —58 E	30
31	10.14	S 81 —19 E			1.53	S 38 —22 E			13.39	S 36 —48 E			31
Means.	8.68	S 80°—59'E	10.59	N 82°—08'E	5.29	S 68°—29'E	6.04	S 74°—09'E	8.93	S 56°—47'E	12.92	S 63°—37'E	Means.

*On 29th and 30th, direction not complete.

TABLE XXXII.—(Continued.)

Computed Mean Daily and Monthly Direction and Velocity of the Wind in 1892.

Month.	July.		August.		September.		October.		November.		December.		Month.
Day.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Velocity in miles per hour.	Direction.	Day.
1 ...	16.25	S 69°—48'E	14.83	S 67°—19'E	15.79	S 56°—03'E	10.41	S 82°—16'E	7.87	N 76°—29'E	5.02	N 87°—36'E	1
2 ...	14.82	S 62 —52 E	10.87	S 80 —22 E	13.64	S 59 —30 E	9.98	S 77 —16 E	8.79	S 86 —56 E	9.15	East	2
3 ...	15.93	S 60 —01 E	9.07	S 78 —45 E	12.42	S 62 —29 E	9.88	S 88 —09 E	9.49	S 87 —39 E	6.70	N 57 —11 E	3
4 ...	14.31	S 64 —04 E	11.34	S 67 —37 E	10.40	S 61 —20 E	0.39	N 62 —47 E	10.09	S 87 —03 E	2.98	N 30 —10 E	4
5 ...	12.04	S 61 —16 E	12.09	East.	9.86	S 33 —30 E	0.49	S 68 —38 E	9.72	S 86 —28 E	2.37	N 39 —20 W	5
6 ...	13.01	S 63 —49 E	10.08	N 81 —09 E	12.83	S 55 —27 E	7.79	S 74 —49 E	9.76	S 87 —32 E	6.28	N 41 —27 W	6
7 ...	11.23	S 59 —44 E	6.84	S 86 —59 E	12.07	S 64 —51 E	10.97	S 75 —36 E	10.23	S 85 —31 E	4.62	N 73 —32 W	7
8 ...	14.27	S 61 —28 E	5.17	S 67 —15 E	15.39	S 70 —49 E	8.94	S 66 —11 E	10.02	S 71 —37 E	6.67	N 6 —07 E	8
9 ...	12.96	S 70 —32 E	10.12	S 63 —28 E	16.58	S 70 —57 E	8.63	N 89 —48 E	12.50	S 74 —07 E	4.04	N 5 —58 E	9
10 ...	13.34	S 68 —19 E	10.18	S 77 —28 E	17.05	S 70 —17 E	9.02	S 83 —19 E	14.12	S 82 —48 E	3.85	N 0 —18 E	10
11 ...	12.49	S 78 —19 E	10.68	S 70 —52 E	15.24	S 68 —24 E	9.92	S 82 —46 E	10.61	S 87 —02 E	6.23	N 7 —12 E	11
12 ...	7.32	N 88 —40 E	14.69	S 65 —48 E	16.42	S 77 —05 E	10.93	S 87 —42 E	12.89	S 76 —54 E	7.47	N 86 —05 E	12
13 ...	8.63	S 38 —39 E	13.68	S 78 —06 E	11.90	S 73 —45 E	11.37	S 73 —55 E	13.57	S 76 —01 E	10.45	S 79 —15 E	13
14 ...	16.32	S 47 —07 E	12.47	S 74 —36 E	13.61	S 68 —19 E	15.19	S 67 —45 E	19.08	S 83 —12 E	9.65	N 89 —28 E	14
15 ...	13.97	S 58 —33 E	13.11	S 80 —47 E	15.22	S 70 —37 E	16.76	S 68 —11 E	13.30	S 88 —48 E	9.24	N 86 —39 E	15
16 ...	15.70	S 71 —42 E	11.50	S 74 —21 E	10.64	S 77 —24 E	15.67	S 65 —58 E	12.69	S 84 —04 E	11.12	N 78 —32 E	16
17 ...	13.50	S 79 —33 E	12.76	S 67 —22 E	13.27	S 70 —36 E	14.72	S 68 —16 E	10.75	S 75 —50 E	10.53	N 86 —01 E	17
18 ...	10.62	S 58 —49 E	14.33	S 73 —42 E	12.90	S 67 —26 E	11.39	S 72 —03 E	10.84	S 72 —56 E	6.88	N 69 —40 E	18
19 ...	16.64	S 62 —21 E	12.45	S 73 —23 E	14.42	S 64 —38 E	11.68	S 76 —23 E	8.34	N 86 —17 E	5.41	N 82 —41 E	19
20 ...	17.17	S 74 —38 E	11.28	S 77 —06 E	11.12	S 60 —25 E	11.76	S 74 —28 E	8.62	N 85 —05 E	6.24	N 86 —47 E	20
21 ...	12.11	S 70 —13 E	10.39	S 71 —18 E	10.82	S 63 —57 E	8.88	S 58 —26 E	8.69	S 82 —08 E	7.44	N 86 —23 E	21
22 ...	12.07	S 54 —26 E	11.49	S 83 —03 E	9.28	S 60 —30 E	8.82	S 52 —14 E	9.45	N 85 —45 E	4.53	S 88 —21 E	22
23 ...	8.17	S 50 —40 E	8.31	N 88 —04 E	11.60	S 68 —14 E	11.88	S 65 —03 E	8.71	N 70 —58 E	5.47	N 72 —47 E	23
24 ...	13.99	S 45 —10 E	10.45	N 89 —30 E	13.73	S 64 —14 E	9.03	S 58 —57 E	4.51	N 89 —45 E	7.81	N 86 —55 E	24
25 ...	14.83	S 36 —13 E	12.08	S 89 —51 E	16.42	S 71 —17 E	8.99	N 87 —54 E	6.99	S 76 —20 E	11.05	S 84 —05 E	25
26 ...	7.50	S 25 —00 E	13.04	S 84 —11 E	15.12	S 70 —25 E	10.19	N 82 —40 E	9.96	N 25 —58 E	11.30	S 88 —23 E	26
27 ...	6.93	N 83 —07 E	9.06	S 82 —08 E	17.76	S 73 —19 E	4.36	N 64 —54 E	6.73	N 44 —53 W	10.53	S 82 —22 E	27
28 ...	11.40	S 67 —09 E	8.58	S 70 —10 E	16.66	S 73 —33 E	1.93	N 58 —47 W	2.75	N 20 —41 W	10.54	S 82 —48 E	28
29 ...	11.14	S 82 —28 E	8.32	S 44 —48 E	16.14	S 78 —12 E	0.73	S 10 —14 E	7.26	N 87 —43 E	10.76	S 81 —53 E	29
30 ...	10.61	S 68 —47 E	11.78	S 31 —53 E	12.06	S 70 —05 E	0.73	N 81 —19 E	8.48	N 74 —50 E	12.86	N 89 —07 E	30
31 ...	12.08	S 71 —25 E	18.91	S 41 —25 E			4.28	N 62 —29 E			13.15	S 86 —12 E	31
Means...	12.29	S 63°—29 E	10.93	S 73°—15'E	13.56	S 67°—21'E	8.53	S 75°—41 E	9.06	S 88°—52'E	6.37	N 79°—20'E	Means.

METEOROLOGICAL OBSERVATIONS.

TABLE XXXIII.

1876—1892.

Mean Monthly North and East components of the Wind.

Month.	Monthly Means.		Deviation from Mean of year.	
	N.	E.	N.	E.
January	— 0.20	+ 8.68	+ 2.36	— 0.25
February	— 1.13	+ 8.16	+ 1.43	— 0.77
March	— 1.50	+ 7.44	+ 1.06	— 1.49
April	— 2.96	+ 8.69	— 0.40	— 0.24
May	— 3.69	+ 7.66	— 1.13	— 1.27
June	— 4.99	+ 9.17	— 2.43	+ 0.24
July	— 4.80	+ 9.87	— 2.24	+ 0.94
August	— 4.28	+ 10.18	— 1.72	+ 1.25
September	— 3.79	+ 10.25	— 1.23	+ 1.32
October	— 2.11	+ 9.39	+ 0.45	+ 0.46
November	— 1.21	+ 9.06	+ 1.35	+ 0.13
December	— 0.04	+ 8.60	+ 2.52	— 0.33
Means	— 2.56	+ 8.93		

TABLE XXXIV.

1876—1892.

Computed Mean Monthly Direction and Velocity of the Wind.

Month.	1876—1892. Monthly Means.		1892. Monthly Means.		1892. Deviation from Average.	
	Velocity. Miles per hour.	Direction.	Velocity. Miles per hour.	Direction.	Velocity. + = Above. — = Below.	Direction. N = North. S = South.
January	8.68	S 88°—41'E	8.68	S 80°—59'E	0.00	S 7°—42'
February	8.24	S 82 —07 E	10.59	N 82 —08 E	+ 2.35	N 15 —45
March	7.59	S 78 —36 E	5.29	S 68 —29 E	— 2.30	S 10 —07
April	9.21	S 71 —11 E	6.04	S 74 —09 E	— 3.17	N 2 —58
May	8.50	S 64 —17 E	8.93	S 56 —47 E	+ 0.43	S 7 —30
June	10.44	S 61 —27 E	12.92	S 63 —37 E	+ 2.48	N 2 —10
July	10.98	S 64 —04 E	12.29	S 63 —29 E	+ 1.31	S 0 —35
August	11.04	S 67 —12 E	10.93	S 73 —15 E	— 0.11	N 6 —03
September	10.93	S 69 —42 E	13.56	S 67 —21 E	+ 2.63	S 2 —21
October	9.62	S 77 —20 E	8.53	S 75 —41 E	— 1.09	S 1 —39
November	9.15	S 82 —24 E	9.06	S 88 —52 E	— 0.09	N 6 —28
December	8.60	S 89 —44 E	6.37	N 79 —20 E	— 2.23	N 10 —56
Means	9.29	S 74°—00'E	~~9.19~~ 9.4	S 74°—44'E	— 0.10	N 0°—44'

METEOROLOGICAL OBSERVATIONS.

TABLE

Principal Elements at 6, 13 and

DAYS.	Barometer reduced to sea-level.			Air Temperature.					Tension of Vapour.		
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	6 hours.	13 hours.	15 hours.
	Inches.	Inches.	Inches.	°	°	°	°	°	Inch.	Inch.	Inch.
1 ...	30.048	30.037	30.002	76.0	82.5	83.0	84.0	75.1	.765	.733	.700
2 ...	.019	.013	29.973	76.0	82.0	79.0	83.9	75.3	.769	.751	.839
3 ...	.039	.013	.982	77.6	82.6	82.5	83.0	76.0	.742	.719	.693
4 ...	29.991	.025	.986	76.6	78.2	81.2	82.0	76.2	.764	.807	.785
5 ...	30.021	29.990	.967	77.0	82.0	81.0	83.0	73.6	.783	.772	.757
6 ...	29.973	.967	.947	77.3	82.3	81.3	83.4	77.0	.791	.779	.731
7 ...	.974	.973	.943	75.1	82.0	82.0	83.4	75.5	.772	.662	.693
8 ...	.953	.900	.865	71.5	82.7	82.1	83.8	71.2	.680	.651	.688
9 ...	.898	.878	.852	71.7	83.7	83.0	84.4	71.0	.715	.714	.724
10 ...	.910	.886	.857	72.8	83.6	83.6	84.6	72.6	.713	.688	.632
11 ...	.897	.892	.868	76.0	83.7	83.6	85.0	75.4	.774	.727	.716
12 ...	.873	.827	.818	76.4	84.9	83.0	85.7	76.1	.767	.752	.753
13 ...	.830	.813	.788	75.0	79.6	81.4	82.6	74.5	.802	.875	.851
14 ...	.830	.857	.821	77.1	76.0	80.0	81.2	77.0	.733	.783	.839
15 ...	.886	.879	.856	77.6	81.0	81.1	82.5	76.0	.851	.897	.824
16 ...	.923	.886	.850	75.5	83.0	82.0	83.7	75.0	.793	.815	.812
17 ...	.832	.830	.757	78.5	...	82.1	83.0	77.3	.863	...	.909
18 ...	.817	.789	.772	75.0	82.8	83.6	84.5	74.6	.839	.860	.885
19 ...	.860	.868	.850	75.0	81.2	79.4	83.2	74.2	.788	.827	.889
20 ...	.942	.954	.936	77.0	78.0	79.0	79.6	76.6	.820	.706	.736
21 ...	30.023	30.037	30.017	73.7	80.0	80.4	81.0	72.7	.767	.825	.841
22 ...	.046	.020	29.991	74.1	82.7	82.7	83.5	74.0	.778	.755	.703
23 ...	29.990	29.981	.959	75.0	82.0	79.5	83.0	74.7	.792	.785	.834
24 ...	.967	.949	.928	75.8	82.4	82.0	83.0	75.0	.805	.831	.830
25 ...	30.001	.991	.964	74.8	83.5	82.8	84.1	74.5	.801	.802	.774
26 ...	.001	.950	.929	75.1	83.3	83.0	84.0	74.6	.768	.724	.724
27 ...	29.988	.969	.962	71.5	83.0	82.3	84.0	71.3	.664	.673	.708
28 ...	30.027	30.017	.997	74.7	83.8	83.4	84.5	73.5	.732	.754	.744
29 ...	.028	.034	30.007	73.8	83.1	83.0	84.3	73.4	.752	.764	.724
30 ...	.041	.029	.004	76.0	84.0	82.5	84.6	75.6	.796	.840	.839
31 ...	.017	.018	.001	77.2	83.5	82.8	84.6	76.8	.811	.746	.788
Means ...	29.956	29.944	29.918	75.4	82.1	81.9	83.5	74.7	.714	.767	.773

METEOROLOGICAL OBSERVATIONS.

XXXV.

15 hours.—January, 1892.

Relative Humidity.			Wind.						Amount of Cloud.			Rainfall.
			6 Hours.		13 Hours.		15 Hours.					
6 hours.	13 hours.	15 hours.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	6 hours.	13 hours.	15 hours.	
P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inches.
85.0	66.0	61.6	E. b. S.	10.6	E. b. S.	16.6	E. S. E.	17.6	2.5	8.5	7.5	0.14
85.5	68.8	85.0	S. E. b. E.	12.8	East.	20.1	East.	17.6	2.5	7.0	10.0	.04
78.1	65.0	62.5	E. S. E.	15.5	E. S. E.	20.7	E. S. E.	17.8	9.5	4.0	5.0	.32
83.0	83.0	74.0	E. S. E.	14.9	East.	14.3	E. S. E.	17.1	9.0	10.0	10.0	.02
84.0	70.8	72.0	E. S. E.	11.9	E. b. N.	16.9	E. b. N.	15.1	9.0	9.5	10.0	.80
84.0	70.8	68.8	East.	8.9	E. b. N.	12.9	E. b. N.	13.2	7.5	7.0	7.0	
88.5	60.0	63.2	E. S. E.	11.6	E. b. N.	16.5	E. b. N.	14.1	2.5	4.0	3.5	.07
87.9	57.9	62.5	East.	1.7	N. E. b. E.	9.6	E. N. E.	8.5	0.5	6.0	8.5	
92.3	61.9	64.0	E. b. N.	3.7	N. E. b. E.	11.6	E. b. N.	11.8	1.5	3.7	3.8	
88.5	59.4	54.6	E. b. S.	4.5	East.	15.3	E. S. E.	14.0	1.5	3.8	1.5	
86.0	63.1	62.2	S. E.	4.2	E. b. S.	14.1	E. S. E.	16.7	4.7	6.0	4.5	.03
84.0	62.5	66.8	E. S. E.	12.5	E. b. S.	21.8	East.	16.1	3.5	4.5	9.0	.02
92.0	87.0	79.4	S. E. b. E.	13.8	E. S. E.	19.9	E. b. S.	19.1	9.0	9.5	9.5	.30
78.2	87.0	82.0	E. b. N.	12.0	N. E. b. E.	11.2	E. b. N.	16.1	10.0	10.0	9.5	.18
89.5	85.0	77.6	E. N. E.	11.9	N. E. b. N.	17.3	N. E. b. N.	13.2	9.5	9.0	10.0	.93
89.5	72.4	74.4	N. E. b. N.	6.8	N. b. E.	13.2	N. b. E.	14.0	10.0	9.5	9.0	.66
88.0	...	83.1	N. W.	10.2	N. W. b. N.	14.9	W. N. W.	14.7	10.0	...	7.0	1.48
96.4	76.8	76.8	W. b. N.	3.3	W. N. W.	8.2	West.	9.5	4.5	5.5	6.0	0.02
90.5	77.6	89.0	S. E. b. S.	3.1	South.	7.3	S. b. E.	3.1	9.5	10.0	10.0	
88.0	73.4	73.8	S. E.	6.5	S. E.	17.4	E. S. E.	15.9	9.5	9.5	10.0	.50
92.3	80.5	81.4	S. E. b. E.	9.5	E. S. E.	11.3	E. b. S.	12.1	10.0	10.0	10.0	.50
92.0	67.6	63.1	S. E. b. E.	5.6	E. N. E.	12.0	E. b. N.	10.7	2.5	5.5	2.0	
91.0	72.0	83.0	S. E.	4.4	East.	12.1	E. S. E.	10.1	2.5	9.5	9.0	.04
90.0	75.2	76.0	S. E. b. E.	5.3	East.	11.6	S. E. b. E.	10.6	7.0	7.5	9.5	.05
93.0	70.0	69.2	East.	4.3	E. N. E.	9.0	E. b. N.	8.9	7.5	4.0	2.5	.54
88.0	63.5	64.0	S. E. b. E.	8.7	E. N. E.	11.7	E. b. N.	12.2	2.5	1.0	1.5	
85.5	59.1	64.3	S. E.	4.6	E. b. N.	10.7	E. b. N.	10.9	0.5	3.5	7.0	
85.0	64.8	65.2	E. S. E.	5.0	E. N. E.	11.7	E. b. N.	10.7	3.7	4.0	5.5	
90.0	67.6	64.0	East.	5.7	E. b. S.	12.2	E. b. N.	14.0	2.5	5.0	2.5	.06
88.5	72.0	75.6	E. S. E.	7.6	E. S. E.	13.9	East.	12.7	3.0	7.0	8.0	.02
86.5	65.3	70.4	E. b. S.	7.4	East.	17.1	E. b. S.	14.3	7.5	5.0	8.0	.24
87.8	70.2	71.3		8.0		14.0		13.3	5.5	6.6	7.0	6.96

METEOROLOGICAL OBSERVATIONS.

TABLE

Principal Elements at 6, 13 and

Days.	Barometer reduced to sea-level.			Air Temperature.					Tension of Vapour.		
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	6 hours.	13 hours.	15 hours.
	Inches.	Inches.	Inches.	°	°	°	°	°	Inch.	Inch.	Inch.
1	30.002	29.981	29.957	75.3	82.8	82.7	83.9	74.9	.769	.762	.772
2	29.983	.976	.948	74.8	83.1	83.4	84.3	74.3	.792	.782	.791
3	.995	.974	.954	75.0	83.6	83.2	84.4	74.4	.783	.814	.763
4	·977	.971	.957	74.3	82.2	82.6	84.0	74.0	.743	.786	.774
5	.990	.949	.920	76.3	81.7	82.3	83.4	76.0	.796	.808	.779
6	.966	.943	.904	76.3	82.4	81.0	83.1	76.0	.782	.743	.779
7	·927	.920	.890	78.0	82.0	82.0	83.1	77.7	.769	.763	.772
8	·900	.913	.891	76.2	82.6	81.2	83.6	76.1	.771	.805	.798
9	.889	.884	.857	76.5	79.4	81.6	83.4	76.3	.779	.831	.791
10	.880	.851	.807	77.5	82.2	82.2	83.0	77.4	.792	.799	.795
11	.731	.668	.622	73.5	78.0	78.0	80.0	73.2	.757	.843	.783
12	.530	.407	.369	76.5	76.7	77.0	77.7	75.9	.792	.835	.858
13	.659	.737	.742	77.0	78.3	79.0	80.3	76.0	.853	.852	.825
14	.848	.854	.837	76.7	80.0	80.1	80.7	75.2	.807	.839	.832
15	.919	.920	.906	74.4	82.6	82.1	83.1	74.2	.809	.805	.797
16	.945	.946	.926	76.5	76.1	76.4	81.6	76.1	.858	.737	.840
17	.972	.966	.939	75.6	83.8	83.1	84.4	74.2	.720	.742	.782
18	.970	.954	.931	73.6	83.0	81.7	83.6	73.4	.778	.801	.883
19	·974	.945	.922	72.8	82 2	81.2	82.9	72.5	.753	.781	.817
20	·914	.859	.836	73.2	82.0	82.3	82.6	71.1	.689	.742	.779
21	·826	.798	.768	72.0	81.5	81.7	82.0	71.5	.688	.793	.789
22	·830	.840	.831	72.5	83.0	83.3	84.4	72.0	.722	.758	.728
23	.880	.855	.814	74.7	84.2	84.1	85.4	74.0	.780	.708	.771
24	.859	.843	.809	76.0	84.4	84.0	85.4	74.0	.713	.746	.710
25	.763	.694	.670	78.0	84.0	82.8	85.0	77.7	.778	.764	.801
26	.616	.589	.563	78.5	83.2	83.4	84.7	78.4	.868	.862	.864
27	.601	.645	.610	80.3	81.6	81.0	83.0	77.3	.847	.862	.878
28	·734	.749	.753	79.5	82.0	82.6	83.6	79.3	.853	.872	.864
29	·795	.769	.755	78.7	83.7	83.1	84.5	78.6	.879	.782	.822
Means ...	29.858	29.841	29.817	75.9	81.8	81.7	83.2	75.2	.783	.794	.801

METEOROLOGICAL OBSERVATIONS.

XXXV.—*Continued.*

15 hours.—February, 1892.

Relative Humidity.			Wind.						Amount of Cloud			Rainfall in 24 hours.
			6 Hours.		13 Hours.		15 Hours.					
6 hours.	13 hours.	15 hours.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	6 Hours.	13 Hours.	15 Hours.	
P. C.	P. C.	P. C.		Miles.		Miles.		Miles				Inches.
87.5	68.0	69.2	E. S. E.	6.8	E N. E.	13.6	E. N. E.	13.5	7.5	9.0	9.0	0.06
91.8	69.2	69.2	E. b. N.	4.7	E. b. N.	16.6	E. b. N.	14.6	4.5	8.0	7.5	.11
90.0	70.8	67.2	S. E.	8.2	East.	15.6	East.	12.3	7.0	8.0	5.0	.19
87.5	71.6	69.6	E. S. E.	5.1	E. N. E.	13.4	E. b. N.	13.3	8.0	10.0	8.5	.....
87.5	74.8	70.8	E. b. S.	5.5	E. b. N.	14.4	E. b. N.	16.2	9.0	9.5	9.5	.33
86.0	67.2	74.0	East.	7.6	E. b. N.	14.5	E. b. N.	13.0	10.0	9.5	10.0	.29
79.5	70.0	70.8	E. b. N.	8.6	E. b. N.	16.7	E. b. N.	14.6	9.0	9.5	10.0	.05
85.0	72.4	75.2	E. b. N.	7.7	E. b. N.	14.8	E. b. N.	14.0	10.0	7.0	6.5	.10
85.0	83.0	73.6	East.	10.2	E. N. E.	16.1	East.	16.9	4.5	8.0	8.0	.27
83.5	72.8	72.4	E. S. E.	14.2	E. S. E.	20.4	E. S. E.	22.3	7.0	10.0	9.5	.20
91.5	87.5	81.0	E. S. E.	15.1	E. b. N.	17.8	E. b. N.	23.1	10.0	10.0	10.0	.43
86.5	90.5	92.0	E. b. N.	34.2	E. b. N.	40.4	E. N. E.	44.7	10.0	10.0	10.0	1.55
91.5	87.5	83.5	N. E. b. N.	32.1	N. b. E.	24.9	N. N. E.	25.1	10.0	10.0	10.0	7.32
87.5	82.0	81.1	N. N. E.	14.8	N. b. E.	18.1	N. b. E.	17.1	10.0	10.0	10.0	0.71
95.0	72.4	72.8	N. E. b. N.	4.0	N. N. W.	10.7	North.	10.5	9.5	8.5	9.5	.04
93.9	81.6	92.0	N. b. E.	3.4	E. b. N.	7.9	E. b. S.	3.9	10.0	10.0	9.0	.....
81.0	64.4	69.2	E. b. S.	6.4	E. b. N.	9.6	E. b. N.	11.7	9.5	3.5	8.5	.77
94.0	71.2	82.2	East.	3.7	N. N. W.	10.1	S.W. b. W.	5.9	5.0	6.0	9 0	.....
93.6	71.2	76.8	E. b. S.	4.2	N.W. b. N.	8.2	S. b. E.	6.4	2.5	7.0	8.5	.20
84.5	68.0	70.8	S. b. W.	4.7	N. N. W.	7.3	W. b N.	6.7	1.5	3.5	6.0	.....
88.0	74.0	78.8	E. S. E.	5.1	N.W. b. N.	9.3	N. N. W.	9.8	0.5	3.0	2.0	.....
90.5	67.2	63.9	N. N. E.	5.3	N. E. b. E.	11.2	E. N. E.	9.5	4.0	7.5	6.5	.....
90.5	59.4	61.7	S. E.	4.5	S. E. b. E.	12.4	S. E. b. E.	14.3	2.5	2.5	4.0	.....
79.0	62.8	60.0	S. E.	3.1	S. E. b. E.	18.6	S. E.	19.1	5.5	4.0	3.0	.04
80.5	65.2	71.6	S. E. b. E.	16.4	S. E. b. E.	28.4	S. E. b. E.	27.4	6.0	5.5	4.5	.03
88.5	76.0	75.6	E. S. E.	21.4	East	26.6	East.	28.6	9.0	9.5	8.0	.48
82.3	80.1	78.4	E. b. N.	24.8	E. N. E.	23.8	E. b. N.	24.3	10.0	10.0	10.0	.42
85.0	79.6	77.6	E. N. E.	23.6	E. N. E.	21.1	E. N. E.	20.1	10.0	9.5	8.0	.27
89.0	67.6	72.8	E. N. E.	9.3	N. E. b. E.	18.9	N. E. b. E.	14.5	9.0	6.0	7.5	.....
87.4	73.4	74.3		10.9		16.6		16.3	7.2	7.8	7.8	13.86

METEOROLOGICAL OBSERVATIONS.

TABLE

Principal Elements at 6, 13,

Days.	Barometer reduced to sea-level.			Air Temperature.					Tension of Vapour.		
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	6 hours.	13 hours.	15 hours.
	Inches.	Inches.	Inches.	°	°	°	°	°	Inch.	Inch.	Inch.
1	29.812	29.803	29.788	77.6	79.0	79.7	82.3	76.7	.851	.858	.859
2	.829	.806	.780	74.5	83.0	82.3	83.7	74.3	.793	.775	.797
3	.798	.748	.731	75.8	81.0	81.0	82.5	75.2	.792	.802	.830
4	.727	.724	.703	75.6	81.0	81.0	83.4	75.1	.842	.883	.902
5	.767	.770	.759	73.3	80.7	81.3	83.0	73.0	.730	.807	.797
6	.845	.841	.812	75.6	78.0	79.3	80.3	75.1	.750	.788	.806
7	.849	.870	.845	73.5	83.2	83.3	84.0	73.0	.775	.811	.824
8	.900	.881	.850	75.7	84.1	84.0	84.7	75.3	.798	.806	.822
9	.906	.893	.874	77.0	79.3	80.4	81.0	76.1	.853	.901	.879
10	.877	.880	.859	75.0	81.6	80.0	82.5	74.2	.783	.723	.784
11	.881	.876	.852	73.8	82.0	81.4	82.6	71.2	.708	.785	.769
12	.900	.893	.873	72.5	82.1	82.0	83.1	72.3	.714	.815	.785
13	.945	.928	.897	74.8	82.3	82.3	82.8	74.6	.770	.806	.788
14	.963	.953	.929	74.4	83.6	82.6	84.0	74.2	.785	.800	.757
15	.946	.965	.952	74.4	82.6	79.4	83.4	74.0	.759	.778	.746
16	.959	.945	.918	75.2	83.2	83.0	83.9	75.1	.770	.794	.792
17	.898	.864	.828	75.1	79.7	80.3	81·0	73.0	.755	.780	.770
18	.850	.867	.868	71.6	76.3	75.7	79.5	71.0	.703	.782	.748
19	.921	.946	.929	74.5	78.8	79.6	80.8	73.6	.766	.843	.782
20	.952	.928	.890	75.5	82.0	82.0	83.0	75.0	.811	.844	.858
21	.941	.935	.913	76.0	80.7	80.0	81.2	73.3	.815	.845	.867
22	.992	30.002	·992	75.8	80.5	81.1	82.8	74.2	.793	.811	.773
23	30.033	.044	30.024	75.5	81.1	80.0	82.3	74.4	.774	.800	.858
24	.033	.020	29.998	75.0	81.7	81.1	82.4	74.5	.715	746	.730
25	.012	29.982	.947	72.0	81.0	81.0	82.0	72.0	.726	.715	.726
26	29.927	.928	.905	75.0	81.2	78.7	81.8	74.2	.731	.750	.798
27	.911	.906	.883	74.3	82.1	81.3	82.8	73.4	.774	.801	.834
28	.917	.897	.859	72.4	81.5	82.0	82.6	72.2	.715	.817	.844
29	.856	.829	.813	71.2	82.3	82.9	83.6	71.0	.694	.824	.812
30	.872	.886	.874	71.3	82.6	82.4	83.8	71.0	.679	.774	.813
31	.947	.940	.937	70.3	82.8	82.9	83.6	69.6	.658	.770	.812
Means.....	29.902	29.895	29.874	74.3	81.3	81.1	82.6	73.6	.761	.802	.805

METEOROLOGICAL OBSERVATIONS.

XXXV.—*Continued.*

and 15 hours.—March, 1892.

Relative Humidity.			Wind.						Amount of Cloud.			Rainfall in 24 hours.
			6 Hours.		13 Hours.		15 Hours.					
6 hours.	13 hours.	15 hours.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	6 hours.	13 hours.	15 hours.	
P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inch.
89.5	87.0	85.0	E.b.N.	6.6	East	10.0	E.b.S.	2.4	10.0	10.0	10.0	0.31
92.7	68.8	72.4	East	2.8	E.N.E.	9.0	E.b.N.	7.8	9.5	8.0	9.0	.19
88.5	76.0	78.4	E.b.N.	2.1	E.N.E.	10.0	N.E.b.E.	6.3	10.0	10.0	10.0	.12
95.2	83.5	85.5	N.E.b.E.	1.8	W.N.W.	8.3	W.b.N.	7.4	5.5	10.0	9.5	.02
89.0	77.2	74.8	S.W.b.S.	4.4	S.E.b.E.	4.8	N.E.b.E.	5.2	1.7	8.5	9.5	.16
84.5	81.5	80.8	E.S.E.	3.6	E.S.E.	6.6	S.E.b.E.	4.3	9.5	9.5	9.5	.04
93.9	71.6	72.4	E.b.S.	3.9	N.N.W.	8.3	N.W.b.N.	6.9	2.0	6.0	3.5	
89.5	68.8	70.4	W.N.W.	6.5	E.N.E.	7.9	E.b.N.	7.6	8.0	6.0	4.5	.06
91.5	90.5	85.0	S.E.b.E.	3.6	N.E.b.N.	2.1	E.b.N.	3.6	10.0	9.0	9.0	.46
90.0	67.2	76.0	East	2.6	North	5.2	S.W.b.W.	10.1	9.0	9.5	10.0	.08
85.0	72.0	72.0	S.b.W.	3.1	E.b.N.	8.7	E.N.E.	6.5	5.0	5.0	3.0	
89.5	74.4	72.0	E.N.E.	4.7	E.b.S.	9.4	E.N.E.	8.0	2.5	7.0	6.5	
89.0	73.2	71.6	E.S.E.	5.0	E.b.N.	10.3	E.b.S.	11.4	7.0	4.0	3.0	.05
92.0	69.6	68.0	E.b.S.	6.0	E.b.N.	10.9	E.b.N.	11.9	1.5	5.0	5.5	.19
89.0	70.0	73.9	E.b.S.	7.9	E.b.S.	14.2	E.b.N.	13.4	2.5	5.0	9.0	.16
88.0	70.0	70.4	S.E.	7.3	S.E.b.E.	16.0	S.E.b.E.	14.6	4.0	6.0	8.5	.08
86.5	77.2	73.8	S.E.	7.3	S.E.b.E.	15.0	S.E.b.S.	14.2	10.0	10.0	9.5	1.36
91.0	86.0	84.0	E.b.S.	6.2	E.S.E.	7.8	S.E.b.E.	10.0	5.0	10.0	10.0	0.12
89.5	85.0	77.6	S.E.	6.9	E.b.N.	10.1	E.b.N.	10.3	9.0	9.0	9.0	3.75
91.5	77.2	78.4	E.S.E.	7.5	E.S.E.	13.2	E.b.S.	15.1	10.0	9.0	7.0	0.09
90.5	81.2	85.0	E.b.S.	6.7	East	16.7	E.b.S.	13.9	7.0	9.5	9.5	.84
88.5	78.0	73.2	E.b.S.	7.4	E.S.E.	15.0	E.S.E.	19.8	5.0	7.0	5.5	.06
87.5	75.6	84.0	S.E.b.E.	8.2	E.S.E.	17.9	E.b.S.	11.3	3.0	6.5	7.0	.25
82.0	69.2	69.2	S.E.b.E.	7.4	E.b.S.	16.2	E.S.E.	17.2	3.5	4.0	4.0	.45
92.5	68.0	69.2	S.E.b.E.	9.4	E.S.E.	20.0	S.E.b.E.	20.3	3.5	3.5	2.5	.49
84.0	70.8	80.5	S.E.	8.8	E.S.E.	18.5	E.S.E.	12.6	3.0	6.0	6.0	.05
91.0	73.2	78.0	E.S.E.	1.8	E.S.E.	11.5	S.b.W.	3.8	8.5	4.5	9.0	.19
90.0	76.0	77.2	S.b.W.	4.5	N.W.	8.3	W.b.S.	8.4	7.0	8.5	5.5	
90.6	74.8	72.4	W.b.S.	5.4	W.b.N.	9.2	W.b.S.	7.7	5.5	3.5	4.0	
88.3	69.6	73.6	West	4.5	N.W.b.N.	7.9	N.W.b.W.	7.8	1.5	3.5	5.5	
88.3	68.8	72.4	S.b.E.	5.2	N.W.b.N.	6.7	N.b.W.	5.6	3.0	2.0	6.5	
89.3	75.2	76.0		5.5		10.8		9.9	5.9	6.9	6.8	9.57

METEOROLOGICAL OBSERVATIONS.

TABLE

Principal Elements at 6, 13 and

Days.	Barometer reduced to sea-level.			Air Temperature.					Tension of Vapour.		
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	6 hours.	13 hours.	15 hours.
	Inches.	Inches.	Inches.	°	°	°	°	°	Inch.	Inch.	Inch.
1 ...	30.003	30.007	29.994	72.0	82.6	82.0	83.5	71.7	.706	.796	.742
2 ...	.081	.075	30.057	75.0	83.0	81.8	83.6	75.0	.748	.797	.825
3 ...	.095	.093	.067	75.2	82.8	82.2	83.6	75.0	.816	.814	.773
4 ...	.100	.081	.071	73.5	83.0	82.1	83.7	73.1	.757	.770	.740
5 ...	.084	.061	.035	75.0	82.0	80.6	83.4	74.3	.797	.755	.727
6 ...	.018	29.983	29.978	74.0	82.0	79.3	82.6	73.5	.748	.764	.744
7 ...	29.952	.921	.905	71.5	82.1	81.1	83.0	71.4	.705	.660	.694
8 ...	.908	.882	.871	72.5	82.1	81.6	83.0	72.0	.709	.749	.761
9 ...	.894	.874	.865	69.5	81.4	80.4	82.5	69.0	.657	.773	.768
10 ...	.939	.935	.919	70.5	81.0	79.6	81.5	69.5	.642	.775	.726
11 ...	.926	.946	.912	74.5	74.8	73.7	75.7	73.7	.757	.734	.732
12 ...	.900	.918	.888	73.0	79.7	78.4	79.4	72.6	.748	.794	.759
13 ...	.925	.932	.913	72.6	79.5	79.7	80.6	72.2	.708	.793	.817
14 ...	.966	.952	.931	73.7	82.0	81.4	83.0	73.4	.753	.764	.814
15 ...	.946	.922	.898	71.6	82.0	81.6	83.0	71.2	.703	.785	.774
16 ...	.927	.887	.883	72.2	82.0	78.3	82.6	71.1	.693	.803	.866
17 ...	.935	.904	.917	71.2	81.0	79.0	82.0	70.0	.681	.830	.793
18 ...	.989	.962	.950	73.0	81.8	81.7	82.7	72.5	.744	.762	.759
19 ...	.974	.952	.936	73.2	82.0	81.5	82.9	72.8	.754	.742	.728
20 ...	.976	.950	.940	74.6	82.2	82.1	83.0	74.1	.782	.659	.740
21 ...	.976	.942	.932	73.0	82.0	78.0	82.6	72.4	.744	.798	.783
22 ...	.964	.944	.927	73.8	81.6	80.0	82.4	72.0	.730	.727	.784
23 ...	30.002	.997	.973	73.7	82.5	81.1	82.4	71.1	.688	.733	.714
24 ...	.001	.996	.979	72.3	81.0	81.0	81.6	72.0	.691	.761	.780
25 ...	29.976	.931	.907	73.7	82.0	81.1	82.8	73.6	.723	.643	.674
26 ...	.901	.872	.853	75.8	80.7	80.6	82.4	75.0	.717	.854	.856
27 ...	.859	.841	.830	77.0	82.6	82.2	83.5	76.6	.834	.864	.854
28 ...	.844	.836	.814	76.2	82.0	81.6	82.6	75.6	.844	.897	.900
29 ...	.663	28.519	28.034	77.2	77.3	78.3	79.0	77.0	.798	.842	.906
30 ...	.931	29.994	29.980	73.5	76.7	77.4	79.0	72.4	.506	.553	.523
Means	29.955	29.904	29.872	73.5	81.2	80.3	82.1	72.9	.729	.766	.769

METEOROLOGICAL OBSERVATIONS.

XXXV.—*Continued.*

15 hours.—April, 1892.

Relative Humidity.			Wind.						Amount of Cloud.			Rainfall in 24 hours.
			6 Hours.		13 Hours.		15 Hours.					
6 hours.	13 hours.	15 hours.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	6 hours.	13 hours.	15 hours.	
P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inches.
90.5	71.6	68.0	E. S. E.	4.1	E. b. N.	10.6	E. b. N.	9.8	6.0	6.5	4.0	
86.0	70.8	76.0	E. S. E.	6.0	E. b. N.	11.1	E. S. E.	11.2	7.5	3.5	6.5	
93.0	72.8	70.4	S. E. b. E.	6.6	E. b. N.	11.6	E. b. N.	12.1	6.5	6.0	3.0	0.01
91.5	68.4	67.6	S. E.	5.8	E. b. S.	11.8	East.	10.7	2.0	4.5	2.8	
91.5	69.2	70.0	S. E. b. E.	7.2	E. S. E.	12.6	S. E. b. E.	13.6	2.0	5.0	2.0	.05
89.0	70.0	73.8	S. E.	6.7	E. b. N.	13.1	E. b. S.	8.2	2.0	7.0	8.5	.07
91.5	59.7	65.7	E. S. E.	3.8	E. N. E.	8.2	E. N. E.	5.3	8.0	5.0	9.0	.01
89.0	68.4	70.8	E. N. E.	4.4	W. N. W.	9.1	S. W. b. W.	4.4	5.0	5.5	9.0	
91.0	72.4	73.4	E. S. E.	4.6	W. b. S.	6.9	S. E. b. E.	3.3	8.5	8.0	9.5	
85.5	73.6	71.4	S. W. b. S.	5.3	W. b. N.	6.1	N. N. E.	6.2	1.5	9.5	10.0	
88.5	85.0	88.0	S. E. b. E.	4.7	E. N. E.	6.1	E. N. E.	3.4	10.0	10.0	10.0	.38
92.0	78.7	77.4	S. E.	5.2	E. N. E.	10.7	E. N. E.	4.1	9.5	10.0	10.0	.22
88.5	79.0	81.2	S. E.	9.0	E. b. N.	16.5	E. b. N.	13.0	8.0	4.0	8.0	.12
90.5	70.0	76.0	S. E.	8.7	E. b. N.	10.4	East.	12.2	2.5	4.0	4.5	.10
91.0	72.0	72.0	E. b. S.	4.6	E. N. E.	9.1	E. N. E.	8.6	1.0	5.0	4.5	
88.0	73.6	89.0	E. b. N.	3.9	E. N. E.	9.8	S. S. W.	7.0	3.5	7.5	10.0	
88.8	78.4	80.0	S. W. b. S.	5.2	North.	8.6	S. S. E.	11.1	1.5	6.5	9.0	.30
91.5	70.4	70.4	E. S. E.	4.5	E. S. E.	8.1	E. S. E.	9.5	1.5	4.5	4.0	
92.0	68.0	68.0	East.	4.6	E. N. E.	10.4	E. N. E.	9.8	2.5	4.0	3.5	
91.0	59.2	67.6	E. N. E.	3.3	E. N. E.	9.6	E. N. E.	6.6	3.5	2.0	1.5	
91.5	73.2	81.0	E. b. S.	4.6	East.	8.8	E. b. N.	7.2	1.5	7.0	9.5	
87.5	67.6	75.8	S. E.	3.9	E. b. N.	8.5	E. N. E.	4.4	1.5	5.5	9.0	.07
83.0	66.0	67.6	S. E. b. E.	6.5	E. S. E.	10.0	E. S. E.	9.8	1.0	5.0	3.0	
87.5	72.4	74.0	S. E. b. E.	6.0	E. b. S.	13.4	E. b. S.	12.5	3.0	3.5	4.0	
87.0	58.5	63.7	S. E. b. E.	6.6	E. S. E.	16.4	S. E. b. S.	15.3	1.0	2.5	1.0	
80.0	81.5	82.0	S. E. b. S.	7.7	E. S. E.	15.5	S. E. b. E.	13.9	1.0	6.0	6.5	
89.5	77.6	77.6	E. S. E.	11.3	E. b. N.	18.8	E. b. N.	16.1	2.5	6.5	6.5	.07
93.0	82.0	84.1	E. b. S.	4.1	N. E. b. N.	19.0	N. E.	17.9	10.0	10.0	10.0	1.28
85.0	89.5	93.1	N. E. b. E.	22.4	N. E.	88.9	W. N. W.	67.7	10.0	10.0	10.0	0.56
61.7	60.9	55.7	S. S. W.	18.1	South.	16.0	S. b. E.	18.0	2.5	8.0	5.5	2.44
88.2	72.0	74.4		6.6		13.9		11.8	4.2	6.0	6.4	5.68

METEOROLOGICAL OBSERVATIONS.

TABLE

Principal Elements at 6, 13 and

DAYS.	Barometer reduced to sea-level.			Air Temperature.					Tension of Vapour.		
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	6 hours.	13 hours.	15 hours.
	Inches.	Inches.	Inches.	°	°	°	°	°	Inch.	Inch.	Inch.
1 ...	30.066	30.050	30.031	70.0	78.2	77.5	79.0	69.2	.524	.512	.544
2 ...	.072	.069	.049	72.0	79.5	78.8	80.3	71.1	.557	.589	.595
3 ...	.063	.030	.004	72.6	81.2	81.1	81.1	72.0	.655	.598	.572
4 ...	.008	29.951	29.933	66.2	79.4	79.8	80.8	64.5	.533	.672	.670
5 ...	29.984	.991	.984	70.2	78.0	77.4	78.7	69.1	.647	.706	.707
6 ...	30.048	30.056	30.053	72.2	75.0	76.4	79.8	70.1	.637	.752	.680
7 ...	.111	.080	.075	71.5	78.0	77.5	79.2	71.2	.474	.514	.561
8 ...	.136	.104	.078	66.8	77.4	76.4	79.0	66.0	.412	.455	.524
9 ...	.073	.046	.020	70.0	78.0	77.0	79.4	69.4	.576	.524	.540
10 ...	.023	29.993	29.980	70.5	79.7	79.0	80.8	70.3	.561	.511	.504
11 ...	.035	30.051	30.034	71.2	80.0	79.5	80.6	70.5	.649	.662	.670
12 ...	.104	.086	.068	72.0	81.7	80.7	83.1	71.4	.722	.704	.700
13 ...	.106	.078	.061	71.0	81.0	80.8	82.4	69.7	.664	.675	.668
14 ...	.084	.067	.054	74.0	77.7	78.5	82.2	72.5	.748	.770	.811
15 ...	.079	.061	.045	74.0	77.8	78.0	78.8	72.7	·705	.616	.616
16 ...	.061	.048	.038	73.0	78.6	75.6	79.4	71.5	.641	.634	.691
17 ...	.075	.058	.056	70.0	81.1	80.0	82.3	69.3	.613	.655	.670
18 ...	.084	.059	.043	71.3	80.4	80.3	81.3	67.2	.610	.661	.694
19 ...	.086	.036	.018	72.0	81.4	79.6	82.5	71.7	.675	.669	.681
20 ...	.058	.004	29.973	71.5	80.2	79.5	82.0	71.3	.648	.659	.632
21 ...	.045	.030	30.013	70.2	79.6	79.0	81.0	70.1	.632	.634	.628
22 ...	.100	.088	.064	69.0	79.7	78.8	80.3	68.7	.551	.582	.606
23 ...	.085	.055	.030	71.6	78.4	79.1	80.0	71.2	.670	.729	.693
24 ...	.104	.102	.066	71.4	77.0	77.8	78.6	70.7	.665	.598	.654
25 ...	.111	.074	.053	69.0	77.0	78.0	78.8	65.2	.480	.643	.598
26 ...	.066	.067	.050	70.2	77.0	74.0	79.5	69.1	.629	.662	.684
27 ...	.092	.073	.062	67.2	77.7	77.6	78.6	66.2	.564	.600	.543
28 ...	.095	.061	.043	66.2	77.8	77.6	79.0	64.2	.543	.654	.676
29 ...	.078	.077	.066	68.5	77.8	77.2	78.9	67.0	.547	.609	.599
30 ...	.138	.148	.136	72.0	76.5	73.2	76.9	71.7	.567	.597	.612
31 ...	.122	.128	.110	70.7	74.7	73.5	76.6	70.0	.548	.614	.645
Means ...	30.077	30.059	30.042	70.6	78.6	78.0	80.0	69.5	.602	.628	.634

METEOROLOGICAL OBSERVATIONS.

XXXV.—*Continued.*

15 hours.—May, 1892.

Relative Humidity.			Wind.						Amount of Cloud.			Rainfall in 24 hours.
			6 Hours.		13 Hours.		15 Hours.					
6 hours.	13 hours.	15 hours.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	6 hours.	13 hours.	15 hours.	
P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inches.
71.0	53.0	57.5	S. E.	8.7	S. E. b. S.	19.1	S. E.	16.2	0.5	1.5	3.5	
70.5	57.9	60.6	S. E.	9.6	S. E. b. E.	16.8	S. E. b. E.	17.1	1.5	4.0	2.5	
82.5	55.4	53.3	S. E.	7.9	E. S. E.	9.2	E. b. S.	7.9	2.0	3.0	4.0	
83.0	66.6	65.4	S. b. E.	4.3	W. b. S.	10.2	W. b. S.	9.2	0.0	1.0	1.0	0.01
87.0	73.4	75.0	W. b. S.	3.9	East.	2.7	Calm.	...	9.0	10.0	10.0	
81.2	86.5	70.6	Calm.	...	S. E. b. E.	19.0	S. E. b. E.	17.2	2.0	8.5	9.5	
61.5	53.6	59.5	S. E.	10.2	S. E. b. E.	18.2	S. E. b. E.	20.3	2.0	5.0	4.5	.04
62.8	49.2	57.8	S. E. b. S.	5.3	S. E. b. E.	15.3	S. E. b. E.	17.9	2.0	3.5	2.5	
78.0	54.5	58.1	S. E.	9.3	S. E. b. E.	13.2	S. E. b. E.	14.6	2.5	7.0	5.5	.04
75.0	50.3	50.9	S. E. b. E.	5.8	E. b. N.	8.7	East.	9.3	9.0	1.0	8.5	
84.5	64.2	66.2	E. S. E.	5.8	E. N. E.	13.5	E. N. E.	11.7	2.5	3.5	2.5	.04
92.0	65.2	66.2	E. b. N.	7.2	E. b. N.	12.5	East.	11.8	2.0	3.5	2.8	
87.0	64.0	63.4	East.	7.0	E. b. N.	10.6	E. b. N.	8.6	2.0	6.5	7.5	
89.0	80.5	82.5	E. b. N.	7.3	N. E. b. E.	4.2	N. E. b. E.	3.9	10.0	9.5	7.5	.01
84.0	64.6	64.2	S. E. b. S.	4.1	S. E.	16.3	S. E. b. E.	17.6	10.0	9.0	9.0	.20
79.0	65.2	78.1	S. E.	15.6	S. E.	27.7	S. E. b. E.	25.7	8.0	4.0	7.5	
83.0	61.7	65.0	S. E. b. E.	5.1	S. E. b. E.	11.3	S. E. b. E.	9.9	2.0	8.0	8.5	.02
79.0	63.4	66.6	S. E. b. E.	4.7	E. b. N.	9.3	E. b. N.	10.1	1.5	2.0	2.2	
86.5	62.8	67.0	E. b. N.	3.9	S. E. b. E.	10.0	S. E. b. S.	7.6	2.5	6.5	6.5	
83.5	63.6	62.7	South.	3.2	S. E.	7.5	S. E.	9.4	2.0	5.0	4.0	.01
85.0	62.8	63.0	S. E. b. E.	6.8	E. S. E.	16.9	E. S. E.	17.1	4.5	4.0	4.5	
78.0	56.9	61.8	S. E. b. E.	8.4	E. S. E.	17.6	S. E. b. E.	18.8	1.5	4.0	3.5	
86.2	74.6	69.4	S. E. b. E.	7.2	E. b. S.	14.9	E. b. N.	17.9	1.5	7.0	6.5	.12
86.0	64.6	68.4	E. S. E.	8.5	E. b. N.	17.1	E. b. N.	17.6	2.5	9.0	9.0	.13
67.2	69.4	62.2	S. E. b. E.	7.7	S. E. b. E.	15.6	E. S. E.	13.3	1.5	8.0	4.5	.02
84.5	71.4	81.5	E. S. E.	6.7	E. N. E.	12.5	E. b. N.	9.5	1.5	8.0	10.0	.02
84.5	63.7	57.2	E. S. E.	7.1	E. b. N.	13.2	East.	13.2	1.0	5.0	1.5	.12
84.5	68.6	71.4	S. E. b. E.	6.5	East.	8.2	N. E.	4.3	2.5	8.0	7.5	
78.5	63.8	64.4	S. E.	6.7	S. b. E.	19.9	S. E. b. S.	22.2	3.0	2.5	2.5	
72.0	65.8	74.7	S. E. b. S.	14.7	S. S. E.	22.8	S. S. E.	19.5	9.0	10.0	10.0	
72.7	71.2	78.5	S. E. b. S.	11.4	S. E.	14.6	S. b. E.	14.3	7.5	9.5	9.5	.47
80.0	64.1	65.9		7.1		13.8		13.3	3.5	5.7	5.8	1.25

METEOROLOGICAL OBSERVATIONS.

TABLE

Principal Elements at 6, 13 and

Days.	Barometer reduced to sea-level.			Air Temperature.					Tension of Vapour.		
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	6 hours.	13 hours.	15 hours.
	Inches.	Inches.	Inches.	°	°	°	°	°	Inch.	Inch.	Inch.
1	30.105	30.078	30.064	71.4	75.6	75.2	76.8	70.4	.606	.610	.591
2	.093	.083	.082	71.2	76.5	75.6	77.6	69.6	.600	.559	.561
3	.123	.095	.077	70.8	74.3	76.0	77.0	70.3	.626	.621	.611
4	·112	.101	.084	71.0	77.2	76.6	78.0	70.3	.550	.474	.596
5	.088	.087	.073	71.2	75.2	72.8	77.5	70.0	.690	.647	.683
6	.087	.082	.073	71.7	77.4	76.3	78.3	71.3	.608	.586	.618
7	·113	.117	.102	71.5	77.6	77.0	78.4	70.7	.520	.550	.540
8	·110	.120	.104	71.6	76.2	76.4	77.6	71.0	.651	.630	.591
9	.129	.136	.115	71.2	73.0	73.3	74.1	70.3	.645	.664	.571
10	.112	.089	.074	70.5	76.1	76.1	78.2	69.7	.627	.671	.632
11	.150	.137	.122	69.0	74.0	74.0	76.3	67.6	.517	.621	.618
12	.183	.167	.158	68.0	75.0	74.5	75.7	67.0	.521	.450	.435
13	.133	.092	.075	67.0	75.0	74.2	76.6	65.0	.483	.542	.600
14	.072	.054	.044	67.8	76.5	75.4	77.4	66.0	.580	.576	.560
15	.073	.078	.063	70.6	75.5	76.0	77.0	68.7	.640	.681	.660
16	.144	.151	.139	69.2	76.6	76.4	78.7	69.0	.622	.604	.602
17	.151	.161	.138	70.0	76.7	75.4	77.4	69.4	.598	.583	.636
18	.106	.058	.034	66.2	76.8	75.7	77.6	64.8	.520	.566	.580
19	29·985	29.932	29.916	67.6	75.5	74.0	76.7	64.5	.551	.545	.603
20	·960	.966	.987	67.8	75.7	73.7	77.4	65.3	.533	.580	.542
21	30·113	30.144	30.123	67.3	71.2	72.1	73.6	65.0	.416	.477	.436
22	·197	.174	.141	67.5	72.0	71.6	74.0	66.6	.344	.457	.497
23	.171	.159	.148	66.0	73.6	72.3	74.8	65.6	.543	.438	.489
24	.184	.189	.167	69.0	73.4	72.6	76.3	67.3	.486	.549	.553
25	.211	.196	.176	67.8	75.0	72.3	76.0	67.0	.562	.569	.530
26	.192	.173	.167	68.2	74.0	74.0	75.0	67.7	.498	.469	.525
27	.150	.146	.132	68.0	75.4	74.0	76.4	67.1	.441	.499	.532
28	·163	.134	.130	67.2	74.5	74.1	76.0	65.0	.506	.568	.537
29	·158	.147	.125	67.2	72.6	73.0	74.5	66.4	.519	.624	.619
30	·133	.106	.080	68.5	74.4	74.0	76.0	68.3	.579	.597	.618
Means ...	30.123	30.112	30.097	69.1	75.1	74.5	76.6	67.9	.553	.567	.572

METEOROLOGICAL OBSERVATIONS.

XXXV.—*Continued.*

15 hours.—June, 1892.

Relative Humidity.			Wind.						Amount of Cloud			Rainfall in 24 hours.
			6 Hours.		13 Hours.		15 Hours.					
6 hours.	13 hours.	15 hours.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	6 Hours.	13 Hours.	15 Hours.	
P. C.	P. C.	P. C.		Miles.		Miles.		Miles				Inches.
78.0	68.4	67.2	S. E.	10.1	S. E. b. S.	19.5	S. S. E.	21.3	2.5	5.0	4.0	0.01
78.0	61.9	63.4	S. E.	11.8	S. E.	19.2	S. E. b. S.	21.3	6.0	6.0	6.5	.14
82.5	72.8	68.6	S. E. b. E.	15.0	E. S. E.	21.6	E. S. E.	22.8	10.0	8.0	3.5	.12
71.8	51.4	65.4	S. E.	14.3	E. b. S.	19.5	E. b. S.	17.0	9.0	3.0	6.5	.25
90.0	73.2	85.0	E. S. E.	10.9	E. b. S.	19.7	E. b. S.	14.4	6.5	10.0	10.0	.12
77.5	62.6	68.6	E. S. E.	15.0	E. S. E.	23.0	S. E. b. E.	22.5	4.0	4.5	5.0	.73
67.0	58.0	58.1	E. S. E.	12.2	East.	21.8	E. S. E.	18.0	4.0	3.5	1.0	.04
83.5	70.2	65.4	S. E.	10.9	S. E. b. E.	23.2	E. S. E.	22.5	6.5	6.0	3.5	.70
84.0	81.4	69.6	S. E. b. E.	12.7	E. S. E.	18.4	S. E. b. E.	22.0	4.0	10.0	9.5	.42
83.5	74.6	70.6	S. E. b. E.	12.6	E. S. E.	22.6	S. E. b. E.	23.3	3.5	4.5	3.5	.50
73.0	73.6	73.2	E. S. E.	16.1	S. E.	22.4	S. E. b. E.	21.3	4.5	6.5	7.5	.32
76.0	52.0	51.1	E. b. S.	13.6	S. E.	21.7	S. E. b. E.	20.7	4.0	3.0	2.5	.17
73.0	62.0	70.8	E. S. E.	9.1	East.	18.7	East.	14.3	0.5	4.0	3.5	.01
84.4	63.9	63.6	East.	7.7	E. b. N.	16.5	E. b. N.	15.9	4.0	5.0	5.5	.12
85.0	77.0	73.8	East.	6.9	E S. E.	9.2	East.	12.2	9.5	9.0	6.0	.....
87.0	66.2	66.6	S. E. b. E.	7.7	S. E. b. E.	17.3	S. E.	17.3	8.0	5.5	3.0	.04
81.0	64.2	71.6	S. E. b. S.	8.5	E. S. E	20.8	S. E. b. E.	17.7	4.5	5.0	4.0	.....
81.0	62.2	64.8	S. E.	9.4	E. S. E.	12.6	E. S. E.	13.9	1.5	3.0	4.0	.....
81.5	61.7	71.6	S. E.	6.5	North.	9.2	N. N. W.	5.5	2.0	7.5	8.0	.....
78.0	64.8	65.2	South	2.9	S. S. W.	16.6	S. S. W.	13.5	1.0	4.0	8.0	.02
62.0	62.4	54.9	S. b. E.	8.6	S. S. E.	15.4	S. E.	18.9	2.5	7.0	7.5	.....
50.0	57.4	63.8	S. E.	8.2	S. E. b. E.	23.8	S. E. b. E.	20.9	9.0	6.0	5.5	.....
85.0	52.2	61.0	E. S. E.	13.4	E. b. S.	22.4	E. b. S.	16.9	8.0	8.0	9.5	.06
68.0	66.8	68.6	E. S. E.	10.6	East.	27.0	East.	19.3	9.0	10.0	8.5	.01
82.5	65.2	66.2	E. S. E.	12.5	E. S. E.	23.3	E. b. S.	21.1	3.0	7.0	6.5	.10
72.0	55.6	62.4	E. b. S.	9.2	E. S. E.	21.9	East.	16.3	7.5	5.5	7.0	.....
64.0	56.2	63.2	E. S. E.	8.4	East.	20.7	East.	19.7	6.5	4.0	5.0	.01
76.0	66.4	63.6	E. S. E.	9.5	E. b. S.	20.9	E. b. S.	19.6	1.5	9.5	5.5	.....
78.0	78.6	76.0	E. S E.	8.5	S. E. b. E.	21.7	S. E. b. E.	20.0	4.5	7.5	4.0	.04
83.0	70.0	73.2	S. E.	14.7	S. E. b. E.	20.1	E. S. E.	22.0	9.0	5.5	8.0	.09
77.2	65.1	66.9		10.6		19.7		18.4	5.2	6.1	5.7	4.02

METEOROLOGICAL OBSERVATIONS.

TABLE

Principal Elements at 6, 13,

Days.	Barometer reduced to sea-level.			Air Temperature.					Tension of Vapour.		
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	6 hours.	13 hours.	15 hours.
	Inches.	Inches.	Inches.	°	°	°	°	°	Inch.	Inch.	Inch.
1	30.074	30.081	30.061	69.5	74.2	74.2	76.0	68.6	.573	.575	.542
2	.075	.064	.047	68.5	73.6	73.8	75.2	68.2	.561	.655	.609
3	.099	.096	.073	69.0	72.2	74.0	75.8	68.0	.625	.614	.588
4	.140	.128	.130	68.0	74.8	74.7	76.0	67.3	.591	.518	.538
5	.141	.113	.090	65.7	74.6	72.9	75.3	64.5	.469	.524	.503
6	.120	.091	.068	65.0	74.1	73.3	75.1	63.1	.404	.451	.469
7	.136	.139	.124	65.5	74.2	73.3	75.0	65.2	.441	.383	.430
8	.148	.160	.132	66.4	73.7	72.6	74.4	65.7	.485	.466	.459
9	.156	.156	.132	65.8	73.4	71.1	74.4	64.3	.502	.507	.566
10	.168	.151	.129	66.0	73.3	72.3	74.6	64.2	.529	.499	.510
11	.160	.145	.115	65.6	72.5	72.4	73.5	65.3	.502	.496	.479
12	.149	.139	.130	63.6	73.2	73.4	74.6	63.0	.485	.485	.489
13	.171	.192	.180	62.4	71.2	72.8	73.5	60.2	.454	.565	.504
14	.226	.238	.224	65.4	71.3	71.0	72.7	65.1	.525	.503	.494
15	.252	.230	.202	65.6	72.3	72.4	74.0	65.0	.393	.510	.519
16	.225	.207	.190	66.8	74.8	74.2	75.0	65.7	.553	.534	.579
17	.212	.204	.187	67.6	73.4	73.7	74.4	66·8	.520	.504	.558
18	.221	.227	.215	65.0	73.5	72.1	75.0	64.0	.478	.551	.559
19	.290	.280	.266	66.7	75.0	73.0	75.8	65.9	.513	.542	.615
20	.314	.290	.274	68.0	74.0	73.3	75.5	67.4	.602	.564	.547
21	.260	.236	.212	65.7	74.0	73.0	74.6	64.1	.454	.469	.430
22	.228	.191	.183	66.8	74.5	73.4	75.4	64.6	.511	.522	.501
23	.211	.202	.183	64.5	70.2	69.4	73.8	62.2	.492	.559	.546
24	.217	.191	·176	63.0	71.2	70.4	72.0	61.5	.480	.468	.457
25	.179	.165	.134	62.3	70.3	70.2	71.4	61.6	.440	.402	.408
26	.092	.060	.033	64.7	73.0	72.0	73.7	63.1	.476	.502	.524
27	.081	.090	.074	63.2	73.2	73.2	74.4	58.8	.471	.476	.470
28	.160	.161	.148	66.0	74.4	74.6	76.0	65.0	.539	.549	.560
29	.158	.162	.147	69.0	74.1	73.8	75.4	68.0	.633	.647	.592
30	.168	.142	.123	66.0	73.5	71.0	75.0	65.1	.557	.583	.672
31	.169	.162	.141	66.8	73.4	73.3	74.9	65.5	.541	.529	.533
Means.....	30.174	30.164	30.146	65.9	73.3	72.7	74.6	64.7	.510	.521	.524

METEOROLOGICAL OBSERVATIONS.

XXXV.—*Continued.*

and 15 hours.—July, 1892.

Relative Humidity.			Wind.						Amount of Cloud.			Rainfall in 24 hours.
			6 Hours.		13 Hours.		15 Hours.					
6 hours.	13 hours.	15 hours.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	6 hours.	13 hours.	15 hours.	
P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inches.
79.5	68.0	64.0	E. b. S.	19.3	E. b. S.	22.9	S. E. b. E.	20.0	4.0	4.0	1.0	0.73
80.5	79.6	73.3	E. S. E.	13.6	E. S. E.	19.3	E. S. E.	20.6	2.0	7.0	8.0	
88.0	78.2	70.0	S. E. b. E.	13.8	E. S. E.	21.1	E. S. E.	20.3	7.5	8.0	8.0	.51
86.0	59.6	62.4	E. S. E.	12.1	E. S. E.	24.4	E. S. E.	20.3	3.0	4.0	4.5	.20
74.5	60.8	61.4	S. E. b. E.	11.8	E. S. E.	21.1	E. S. E.	18.8	1.0	4.0	7.0	
65.5	53.5	57.1	S. E.	6.6	E. S. E.	20.8	E. b. S.	19.1	2.0	5.0	7.0	
70.5	44.9	51.9	S. E.	7.4	E. S. E.	13.8	E. S. E.	13.8	5.5	1.0	0.5	.20
75.4	55.9	56.8	S. E. b. E.	10.3	E. S. E.	19.9	E. S. E.	20.7	6.5	1.5	1.0	.23
79.5	62.0	73.6	S. E. b. E.	9.8	E. b. S.	21.4	E. S. E.	17.9	1.5	5.0	7.5	
83.0	61.1	63.8	S. E.	9.4	E. S. E.	19.3	East	21.2	7.5	6.0	3.5	.10
80.0	61.4	59.4	S. E. b. E.	13.2	E. b. S.	23.1	E. b. N.	20.0	3.0	5.0	4.0	.01
82.6	59.4	59.6	S. E. b. E.	7.4	E. b. N.	9.6	E. b. N.	10.6	2.5	3.5	8.0	
80.6	73.2	61.8	S. E.	10.2	S. b. E.	10.3	S. E.	12.0	4.0	7.5	6.5	.02
84.0	65.4	65.0	S. E.	13.1	S. E. b. S.	23.1	S. E. b. E.	22.9	7.5	8.5	3.5	.08
62.1	63.8	64.6	E. S. E.	12 5	E. S. E.	19.3	E. S. E.	18.9	1.5	5.5	4.5	
84.0	61.6	68.4	E. b. S.	11.6	E. S. E.	22.9	E. b. S.	19.7	4.5	3.0	4.0	.30
77.0	61.6	67.2	East.	14.5	East	16.5	E. b. S.	17.9	1.5	3.0	6.0	.04
78.0	66.8	70.6	E. S. E.	4.1	S. E. b. E.	15.6	S. E. b. E.	14.8	0.5	5.5	7.5	
78.5	62.0	75.5	S. E. b. E.	10.5	E. S. E.	23.8	E. S. E.	21.0	1.0	6.0	7.5	
87.4	67.2	66.8	E. S. E.	17.2	E. b. S.	24.5	E. b. S.	21.6	7.5	4.5	6.0	.07
72.0	55.6	52.5	E. S. E.	8.2	E. b. S.	22.1	E. S. E.	17.4	0.5	2.0	1.0	
78.0	60.8	61.2	S. E. b. S.	8.1	S. E. b. E.	20.9	S. E. b. E.	19.0	8.0	2.0	2.0	
80.7	75.2	76.0	S. E. b. E.	5.2	E. S. E.	15.6	S. E. b. E.	11.2	1.5	9.5	8.0	
83.2	61.2	61.4	E. S. E.	5.4	S. E. b. E.	22.8	S. E.	24.9	4.0	3.5	4.5	.11
78.5	54.1	55.2	S. E. b. E.	9.8	S. E.	24.5	S. E.	22.1	3.5	3.0	4.0	.05
77.5	62.0	66.2	S. S. E.	5.2	S. E. b. S.	12.1	W. S. W.	6.3	1.0	9.0	6.5	.02
81.0	58.2	57.4	E. b. N.	5.0	E. N. E.	10.1	E. N. E.	13.1	1.0	4.0	1.0	.03
84.5	64.4	65.2	E. b. S.	7.9	E. S. E.	18.7	S. E. b. E.	17.3	1.0	3.0	2.5	
89.2	76.6	70.8	E. S. E.	7.4	East	18.1	East	16.9	6.5	9.0	6.5	.28
87.0	70.4	88.0	E. b. S.	7.2	E. S. E.	17.9	E. S. E.	14.4	4.0	9.0	9.0	.03
82.5	64.4	65.2	E. S. E.	8.0	East	21.8	E. b. S.	21.8	8.5	5.0	3.0	.09
80.0	63.5	64.9		9.9		19.3		18.0	3.6	5.0	4.9	3.10

METEOROLOGICAL OBSERVATIONS.

TABLE

Principal Elements at 6, 13 and

DAYS.	Barometer reduced to sea-level.			Air Temperature.					Tension of Vapour.		
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	6 hours.	13 hours.	15 hours.
	Inches.	Inches.	Inches.	°	°	°	°	°	Inch.	Inch.	Inch.
1 ...	30.203	30.180	30.159	65.0	73.9	72.5	75.1	64.3	.418	.505	.508
2 ...	.170	.145	.104	62.0	71.5	72.6	74.0	60.7	.456	.489	.476
3 ...	.149	.119	.105	66.0	74.8	74.2	75 5	65.2	.564	.564	.565
4 ...	.154	.133	.110	66.5	75.4	75.2	76.3	64.7	.574	.570	.553
5 ...	.135	.134	.117	67.8	74.6	73.4	75.4	67.0	.617	.616	.609
6 ...	.137	.112	.084	65.5	75.0	74.8	76.0	64.7	.562	.569	.518
7 ...	.083	.058	.018	66.0	74.0	73.0	74.9	65.0	.550	.607	.630
8 ...	.055	.074	.047	63.2	73.7	72.7	75.2	64.0	.520	.669	.685
9 ...	.107	.127	.117	69.0	75.1	74.3	77.5	68.2	.598	.627	.632
10 ...	.194	.197	.173	68.2	75.0	74.0	75.5	67.2	.610	.576	.568
11 ...	.182	.175	.157	65.0	74.5	73.4	75.4	64.4	.534	.561	.539
12 ...	.191	.181	.159	67.4	74.0	73.6	74.9	66.7	.616	.522	.515
13 ...	.191	.170	.146	67.0	75.0	73.8	76.4	66.1	.529	.488	.509
14 ...	.173	.134	.123	66.5	75.0	73.7	76.0	65.0	.542	.510	.573
15 ...	.161	.155	.140	68.0	74.7	74.0	76.2	67.2	.569	.538	.554
16 ...	.167	.173	.153	69.0	74.2	74.6	75.9	68.0	.606	.554	.546
17 ...	.212	.179	.166	65.5	74.4	71.0	75.4	63.2	.520	.601	.618
18 ...	.196	.162	.141	66.8	74.0	73.3	75.3	65.2	.495	.561	.544
19 ...	.163	.145	.115	67.2	75.4	74.3	76.5	67.0	.589	.564	.550
20 ...	.138	.178	.136	67.8	68.0	69.5	75.0	67.1	.576	.617	.595
21 ...	.152	.113	.089	62.0	74.7	73.0	75.6	59.8	.462	.545	.582
22 ...	.108	.060	.027	65.0	73.4	73.2	75.1	64.5	.524	.510	.513
23 ...	.034	.028	.000	66.7	69.7	70.5	71.0	66.1	.601	.614	.623
24 ...	.049	.053	.038	66.3	71.5	71.0	72.6	66.0	.574	.588	.582
25 ...	.090	.090	.075	68.0	74.0	74.0	74.3	66.2	.534	.588	.581
26 ...	.126	.122	.088	67.3	74.0	74.3	75.3	66.7	.602	.522	.537
27 ...	.123	.111	.086	65.3	74.9	74.1	76.0	64.8	.554	.586	.546
28 ...	.118	.111	.085	68.2	72.7	73.7	74.0	66.0	.584	.572	.558
29 ...	.130	.120	.091	63.0	74.3	74.3	76.0	62.4	.487	.518	.509
30 ...	.151	.154	.142	66.8	72.7	71.4	73.0	66.3	.534	.576	.576
31 ...	.207	.191	.179	65.6	72.3	71.4	73.3	65.0	.417	.434	.443
Means ...	30.144	30.132	30.109	66.2	73.8	73.2	75.1	65.3	.546	.560	.559

METEOROLOGICAL OBSERVATIONS.

XXXV.—*Continued.*

and 15 hours.—August, 1892.

Relative Humidity.			Wind.						Amount of Cloud.			Rainfall in 24 hours.
			6 Hours.		13 Hours.		15 Hours.					
6 hours.	13 hours.	15 hours.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	6 hours.	13 hours.	15 hours.	
P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inch.
68.0	60.9	63.0	E.S.E.	12.1	E.b.S.	23.6	E.S.E.	23.1	2.0	5.5	6.5	
82.0	63.0	58.6	E.S.E.	7.3	E.b.S.	18.0	East	17.4	1.0	7.0	5.5	
88.0	65.2	66.8	E.b.S.	7.7	East	15.1	E.b.N.	13.2	9.0	4.5	4.0	0.11
88.5	64.4	63.0	E.S.E.	7.0	E.S.E.	16.7	E.S.E.	17.5	2.0	4.0	8.5	
90.4	71.6	73.9	East	9.7	E.b.N.	17.8	E.b.N.	15.5	10.0	8.0	8.0	.46
89.2	65.2	59.6	E.b.N.	8.2	E.b.N.	12.7	E.b.N.	13.1	4.0	4.5	3.0	
86.0	72.0	77.5	E.b.S.	7.1	E.b.N.	6.4	N.E.b.N.	3.9	6.5	7.0	8.0	
90.0	80.5	85.5	East	6.0	S.S.E.	9.2	S.W.	3.7	6.0	9.0	9.5	
84.5	70.8	74.3	S.E.b.E.	8.2	E.S.E.	14.0	E.b.S.	13.5	10.0	8.5	9.5	1.05
88.0	66.0	67.6	East.	9.3	E.b.N.	14.8	E.b.S.	14.5	10.0	8.0	7.5	0.24
86.5	65.6	65.6	S.E.b.E.	9.5	E.b.S.	16.5	East.	17.4	1.0	4.0	3.5	.03
91.6	62.0	62.6	S.E.b.E.	12.8	E.b.S.	20.5	E.b.S.	19.3	7.0	2.0	2.5	.07
80.0	55.9	61.6	E.S.E.	11.4	East.	20.0	East.	19.5	1.0	4.0	5.0	
83.5	58.0	68.8	S.E.b.E.	9.1	East.	18.7	E.b.S.	17.9	2.0	4.5	8.0	
83.0	62.4	66.0	E.S.E.	9.3	East.	20.2	East.	17.9	8.5	4.5	8.0	
85.5	65.2	63.6	E.S.E.	12.5	East.	14.3	E.b.S.	15.6	7.5	7.0	3.0	
83.0	70.4	81.0	S.E.b.E.	6.9	E.S.E.	17.1	E.b.S.	20.1	1.0	6.0	9.0	.02
75.5	66.8	66.4	E.S.E.	13.5	E.b.S.	20.2	E.b.S.	18.3	2.0	7.0	6.5	.03
88.0	64.0	64.8	E.S.E.	8.7	E.b.S.	18.3	E.S.E.	17.4	6.0	4.0	4.3	.11
83.8	89.8	82.5	East.	12.8	E.N.E.	12.3	S.E.b.E.	15.3	2.0	10.0	10.0	.09
83.2	63.2	71.6	E.S.E.	6.5	E.S.E.	13.6	East.	16.8	1.0	5.5	8.0	.13
85.0	62.4	63.0	E.S.E.	10.0	E.b.N.	15.3	E.b.N.	13.5	1.5	5.5	7.0	.01
91.6	84.5	83.0	East.	7.7	E.b.N.	11.5	E.N.E.	8.0	10.0	10.0	10.0	.27
88.9	75.5	76.0	E.N.E.	7.1	E.b.N.	12.2	E.b.N.	13.9	9.0	10.0	10.0	.83
78.0	70.0	69.2	East.	10.9	E.b.N.	16.9	East.	16.5	7.0	3.2	3.0	.09
89.8	62.0	63.2	E.b.S.	13.2	E.b.N.	18.4	E.b.S.	17.4	5.5	8.0	2.5	.26
88.6	67.6	64.8	E.b.S.	8.4	E.b.N.	13.5	E.b.N.	11.3	2.0	4.0	3.0	
84.5	71.2	67.2	E.S.E.	7.7	E.b.S.	14.0	East.	15.4	5.0	4.0	2.0	
84.4	60.8	59.9	S.E.b.S.	1.8	E.S.E.	10.9	E.S.E.	10.7	2.0	5.8	3.5	
81.5	71.7	74.4	S.S.E.	6.5	S.E.	18.4	S.E.b.S.	17.6	7.5	9.0	10.0	
66.6	54.3	57.4	S.E.b.S.	21.0	S.E.	23.1	S.E.	24.9	1.5	2.0	1.5	
84.4	67.2	68.5		9.4		15.9		15.5	4.9	6.0	6.1	3.80

METEOROLOGICAL OBSERVATIONS.

TABLE

Principal Elements at 6, 13 and

Days.	Barometer reduced to sea-level.			Air Temperature.					Tension of Vapour.		
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	6 hours.	13 hours.	15 hours.
	Inches.	Inches.	Inches.	°	°	°	°	°	Inch.	Inch.	Inch.
1 ...	30.234	30.199	30.174	64.5	70.8	70.1	71.4	64.0	.411	.421	.439
2 ...	.191	.167	.139	62.1	69.8	70.4	72.4	62.0	.446	.435	.431
3 ...	.187	.145	.119	61.7	72.2	72.0	73.8	61.1	.430	.452	.474
4 ...	.172	.157	.135	64.5	74.2	73.5	75.4	63.8	.518	.447	.467
5 ...	.211	.208	.171	64.4	71.0	71.2	74.4	64.0	.496	.546	.492
6 ...	.218	.236	.203	65.0	71.4	70.5	72.6	64.0	.456	.395	.389
7 ...	.277	.249	.227	64.7	71.3	71.0	72.9	64.6	.446	.441	.453
8 ...	.274	.244	.219	67.2	72.8	72.5	74.6	67.1	.480	.493	.515
9 ...	.268	.234	.207	68.4	74.7	73.7	75.7	68.0	.502	.478	.507
10 ...	.236	.198	.181	67.7	73.7	74.0	75.7	67.0	.515	.481	.492
11 ...	.230	.194	.170	67.6	74.3	74.0	75.8	67.0	.537	.540	.568
12 ...	.230	.191	.162	67.0	74.5	74.3	75.9	67.0	.603	.541	.550
13 ...	.227	.186	.166	66.4	75.0	74.2	75.9	66.1	.572	.526	.532
14 ...	.234	.216	.198	65.5	71.0	72.2	73.6	65.1	.583	.600	.551
15 ...	.250	.213	.185	66.0	75.0	74.1	76.3	65.6	.522	.510	.491
16 ...	.256	.226	.184	66.3	71.2	73.0	75.1	65.3	.528	.593	.541
17 ...	.219	.210	.186	68.2	76.0	71.3	77.0	67.3	.555	.528	.628
18 ...	.222	.203	.175	64.5	74.2	73.5	74.8	64.2	.517	.505	.500
19 ...	.225	.189	.163	64.4	74.0	73.0	75.4	63.7	.486	.478	.496
20 ...	.189	.148	.133	63.3	75.2	73.3	76.0	61.3	.449	.495	.499
21 ...	.170	.157	.143	66.0	72.5	70.0	74.3	65.0	.539	.525	.576
22 ...	.190	.152	.129	64.6	74.3	73.4	75.4	62.0	.441	.424	.454
23 ...	.182	.151	.128	63.7	74.0	73.7	76.4	63.3	.513	.484	.513
24 ...	.200	.189	.170	65.6	74.0	73.6	75.5	65.2	.505	.472	.485
25 ...	.235	.228	.200	66.2	74.6	73.6	75.5	65.0	.520	.442	.482
26 ...	.247	.223	.193	63.2	73.6	71.0	75.0	62.4	.494	.495	.546
27 ...	.198	.168	.152	65.5	73.6	73.0	74.7	65.3	.510	.467	.484
28 ...	.220	.200	.182	66.6	74.7	74.0	76.0	66.0	.548	.519	.486
29 ...	.271	.234	.209	67.0	74.3	73.6	75.8	67.0	.532	.471	.467
30 ...	.220	.157	.125	65.2	75.0	75.0	76.0	65.1	.555	.536	.542
Means .	30.223	30.196	30.171	65.4	73.4	72.8	75.0	64.8	.507	.491	.502

METEOROLOGICAL OBSERVATIONS.

XXXV.—*Continued.*

15 hours.—September, 1892.

Relative Humidity.			Wind.						Amount of Cloud.			Rainfall in 24 hours.
			6 Hours.		13 Hours.		15 Hours.					
6 hours.	13 hours.	15 hours.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	6 hours.	13 hours.	15 hours.	
P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inches.
69.0	56.2	59.9	S. E.	15.0	E. S. E.	23.4	S. E. b. E.	23.9	8.0	7.5	9.0	0.16
80.0	58.8	58.2	S. E. b. E.	10.9	E. S. E.	25.1	E. S. E.	19.6	7.5	8.0	5.5	.08
78.5	56.4	59.8	S. E. b. E.	11.1	E. b. S.	20.1	E. S. E.	18.5	2.5	3.5	2.5	.03
85.5	52.9	56.5	S. E. b. E.	6.6	E. b. S.	14.4	E. S. E.	16.8	1.5	2.5	2.5	.05
81.8	71.4	64.2	S. S. E.	9.0	S. E. b. S.	16.1	S. S. E.	16.9	9.0	8.5	9.5	
74.5	51.0	51.5	S. E.	12.2	E. S. E.	19.1	S. E. b. E.	17.1	3.5	6.5	2.0	.02
73.2	57.3	59.4	E. S. E.	8.9	E. S. E.	18.9	E. S. E.	16.6	10.0	6.0	6.0	
72.0	60.2	63.8	S. E. b. E.	10.1	E. b. S.	22.4	E. S. E.	22.9	9.0	7.0	5.5	
72.0	55.3	61.5	East.	15.5	E. S. E.	21.8	E. S. E.	22.6	9.0	4.5	8.5	
76.0	57.9	58.0	E. b. S.	15.1	E. S. E.	24.4	East.	24.0	3.5	6.0	3.5	.01
79.5	63.6	67.6	E. S. E.	10.8	E. S. E.	23.0	E. S. E.	21.4	3.0	8.0	7.5	
91.0	63.2	64.8	E. b. S.	12.9	E. b. S.	20.6	E. b. S.	23.9	2.0	5.5	3.5	.08
88.4	60.0	62.8	S. E. b. E.	8.3	E. b. S.	18.1	East.	18.2	7.5	6.0	6.5	.02
92.8	78.5	69.2	E. N. E.	4.8	E. S. E.	19.5	E. S. E.	21.5	9.0	7.5	4.5	.12
82.0	58.0	57.7	E. S. E.	9.6	East.	22.1	E. S. E.	19.3	2.5	4.0	3.5	.07
82.0	77.0	66.8	E. b. N.	7.7	E. N. E.	15.6	East.	16.1	9.0	9.5	9.5	.04
80.5	59.0	81.5	E. S. E.	14.5	East.	19.2	E. S. E.	13.1	7.5	6.0	9.5	.02
85.5	59.4	60.9	E. S. E.	7.0	E. S. E.	21.6	E. b. S.	19.3	4.0	9.5	8.0	.13
80.0	56.5	61.2	S. E. b. E.	8.9	E. S. E.	20.9	E. b. S.	19.1	2.0	4.5	8.5	
77.3	56.2	61.1	S. E. b. E.	7.2	E. S. E.	19.9	E. S. E.	16.3	3.0	6.5	5.0	
84.5	65.0	78.0	E. S. E.	5.4	East.	22.8	E. S. E.	19.1	9.0	5.0	9.0	.01
72.6	49.2	55.2	S. S. E.	5.2	E. S. E.	15.9	E. S. E.	13.9	8.0	3.0	2.5	.07
87.5	57.4	61.7	E. S. E.	7.2	E. S. E.	18.5	E. b. S.	17.1	7.5	4.5	4.0	
80.5	55.9	58.6	S. E.	11.3	E. S. E.	21.9	E. S. E.	21.1	1.0	4.0	5.0	
81.0	51.7	58.2	E. S. E.	12.1	E. b. S.	22.1	E. S. E.	22.1	6.5	4.0	3.5	.02
85.2	60.2	71.4	E. S. E.	6.4	E. b. S.	22.7	East.	21.4	5.5	5.0	8.5	.07
81.5	56.2	59.6	E. S. E.	15.8	E. S. E.	23.1	E. b. S.	21.2	2.5	3.0	3.0	.12
84.0	60.0	57.4	S. E. b. E.	12.2	E. S. E.	20.7	E. S. E.	20.1	8.0	4.5	0.5	.08
80.5	55.3	56.2	East.	16.3	E. b. S.	19.2	E. b. S.	21.1	5.5	3.0	3.0	.18
89.2	61.2	62.0	S. E. b. E.	10.2	E. S. E.	15.3	E. S. E.	13.9	9.0	4.5	7.5	.03
80.9	59.4	62.2		10.3		20.3		19.3	5.9	5.5	5.6	1.41

METEOROLOGICAL OBSERVATIONS.

TABLE

Principal Elements at 6, 13,

Days.	Barometer reduced to sea-level.			Air Temperature.					Tension of Vapour.		
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	6 hours.	13 hours.	15 hours.
	Inches.	Inches.	Inches.	°	°	°	°	°	Inch.	Inch.	Inch.
1	30.130	30.107	30.086	67.0	75.0	75.0	76.7	66.8	.603	.536	.542
2	.202	.185	.164	66.0	75.0	74.5	77.0	65.5	.575	.523	.558
3	.228	.159	.132	66.0	75.5	74.6	77.4	65.5	.568	.495	.514
4	.090	.032	.013	62.6	74.8	74.6	75.7	62.3	.511	.544	.546
5	.059	.055	.036	62.8	74.5	74.0	77.0	62.0	.522	.554	.564
6	.179	.163	.134	63.6	77.0	76.6	78.3	63.4	.542	.550	.510
7	.215	.174	.149	65.2	77.3	76.3	78.6	65.0	.548	.553	.558
8	.159	.111	.077	63.3	77.0	75.5	78.4	63.1	.537	.577	.579
9	.124	.077	.048	68.2	76.0	76.0	76.6	67.0	.625	.618	.615
10	.150	.098	.081	66.6	77.7	77.4	79.1	66.3	.565	.529	.511
11	.163	.150	.129	65.4	76.9	76.4	78.0	64.4	.552	.519	.515
12	.174	.141	.115	65.0	77.0	76.3	78.5	64.7	.544	.534	.494
13	.192	.162	.141	67.7	77.0	76.0	78.9	67.2	.581	.528	.492
14	.199	.171	.150	69.0	77.0	76.2	78.6	68.7	.551	.521	.539
15	.224	.177	.162	68.4	75.2	75.7	77.1	68.0	.607	.524	.511
16	.218	.208	.173	67.8	70.5	73.6	77.0	67.6	.528	.632	.567
17	.190	.148	.120	67.0	76.4	76.0	78.0	66.2	.539	.509	.503
18	.114	.082	.060	66.6	77.3	76.2	79.0	66.1	.569	.521	.539
19	.137	.135	.117	67.0	76.3	75.5	78.5	66.5	.592	.545	.583
20	.194	.151	.126	67.5	77.7	77.0	78.7	67.0	.603	.559	.528
21	.146	.100	.053	62.7	78.0	77.5	79.4	62.4	.477	.410	.427
22	.081	.050	.025	61.6	77.6	77.7	79.1	61.0	.493	.476	.425
23	.101	.098	.074	68.0	74.0	75.4	76.5	67.2	.644	.603	.570
24	.136	.083	.046	67.0	76.7	75.0	78.6	65.0	.515	.547	.556
25	.052	29.999	29.963	68.0	78.0	77.3	79.8	67.5	.621	.591	.580
26	.007	.993	.981	69.0	79.5	78.4	81.0	68.7	.657	.614	.626
27	.053	.990	.987	70.4	78.5	78.0	80.4	68.3	.668	.662	.654
28	.061	30.029	30.007	68.2	78.2	77.4	78.7	66.4	.652	.651	.652
29	.040	.015	.009	66.8	76.7	76.0	78.0	65.2	.614	.662	.684
30	.055	.036	.011	67.5	76.5	76.4	78.0	67.0	.599	.642	.666
31	.075	.027	29.996	71.7	76.2	78.0	79.5	71.1	.668	.605	.565
Means.....	30.134	30.100	30.076	66.6	76.5	76.1	78.3	65.9	.576	.559	.554

METEOROLOGICAL OBSERVATIONS.

XXXV.—*Continued.*

15 hours.—October, 1892.

Relative Humidity.			Wind.						Amount of Cloud.			Rainfall in 24 hours.
			6 Hours.		13 Hours.		15 Hours.					
6 hours.	13 hours.	15 hours.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	6 hours.	13 hours.	15 hours.	
P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inches.
91.0	61.2	62.0	E. S. E.	8.4	E. b. N.	10.9	East.	14.7	8.0	7.0	3.5	0.34
89.8	59.6	65.2	S. E. b. E.	8.8	East.	13.8	E. b. N.	16.6	5.5	6.5	4.0	
83.6	53.6	59.6	E. S. E.	7.4	East.	12.5	E. b. N.	12.8	3.0	3.0	4.0	.03
90.4	62.8	63.6	E. S. E.	7.1	N. W. b. W.	9.4	W. N. W.	8.7	0.2	3.0	7.0	
91.6	64.8	67.2	S. E. b. S.	6.8	N. N. W.	7.4	N. W. b. N.	5.4	8.0	7.5	8.5	
92.2	59.0	55.6	S. E. b. S.	5.5	E. b. N.	13.5	E. b. N.	14.6	0.8	3.0	3.5	
88.0	58.9	62.1	E. S. E.	6.6	E. b. N.	14.4	E. b. S.	16.6	1.0	4.0	4.0	
92.2	62.2	65.2	E. S. E.	5.8	E. S. E.	12.3	S. E.	10.0	1.5	6.5	7.0	
90.4	69.4	69.0	E. b. S.	9.2	E. b. N.	12.7	E. b. N.	12.7	9.0	6.5	4.0	.03
86.8	55.7	54.5	E. b. S.	7.5	E. b. N.	15.9	E. b. S.	14.6	0.5	1.0	1.0	
88.0	56.3	56.7	E. b. S.	7.7	East.	13.7	East.	14.6	2.0	3.0	3.0	
88.0	57.5	54.1	E. S. E.	7.6	E. N. E.	16.3	E. b. N.	14.6	2.5	3.5	3.0	.02
85.0	56.9	53.5	S. E. b. E.	7.2	E. b. N.	18.5	East.	17.7	7.5	5.0	4.5	
78.0	56.3	60.0	E. S. E.	10.3	E. b. S.	20.4	E. b. S.	23.1	2.0	6.0	4.0	
86.8	59.4	57.1	E. b. S.	14.0	E. b. S.	25.3	E. b. S.	21.1	9.5	9.0	3.5	.06
77.5	84.0	68.4	S. E. b. E.	11.8	East.	22.8	E. S. E.	21.3	1.5	9.0	9.5	.06
81.5	55.8	55.8	E. S. E.	12.1	E. b. S.	19.8	E. S. E.	18.7	1.5	5.0	2.5	.09
87.4	55.7	60.0	S. E. b. E.	6.2	East.	15.3	East.	15.6	0.5	4.0	4.5	
89.2	60.5	65.6	S. E. b. E.	6.8	East.	18.9	East.	19.7	1.0	5.0	4.0	
89.2	58.9	56.9	E. S. E.	8.9	E. b. N.	16.0	East.	15.8	1.0	5.5	4.0	.10
83.8	42.5	46.0	E. S. E.	3.5	E. S. E.	13.4	S. E. b. E.	12.3	3.5	3.0	1.5	
90.4	51.2	45.6	S. S. E.	4.5	S. E. b. E.	15.3	E. S. E.	13.6	0.3	1.5	0.5	
94.0	71.6	64.4	E. S. E.	12.0	E. S. E.	20.5	E. S. E.	20.3	8.5	8.0	5.0	.07
78.0	60.1	63.6	S. E. b. E.	7.5	S. E. b. E.	5.3	E. S. E.	11.2	5.5	7.0	4.5	.05
90.4	61.4	62.1	E. S. E.	8.1	E. N. E.	13.2	E. N. E.	13.0	2.5	6.0	3.5	
92.8	60.7	64.6	E. b. S.	8.6	E. b. N.	15.8	E. N. E.	14.1	1.5	4.5	8.0	
89.6	68.3	68.2	E. b. N.	5.9	N. E.	13.2	N. N. E.	9.8	4.5	6.5	8.0	.06
94.6	67.6	69.4	S. S. E.	4.2	W. N. W.	12.0	N. W.	9.7	3.5	6.0	7.5	.29
93.4	72.2	76.2	S. E.	5.5	W. b .N.	9.2	W. S. W.	7.2	2.0	8.0	10.0	.02
88.6	70.6	73.4	S. E. b. S.	3.2	North.	5.4	N. E.	4.4	0.5	8.0	9.0	.03
85.7	67.4	58.4	N. N. W.	4.3	N. E. b. E.	12.2	N. E.	7.0	9.0	9.5	8.0	.14
88.2	61.4	61.4		7.5		14.4		13.9	3.5	5.5	5.0	1.39

METEOROLOGICAL OBSERVATIONS.

TABLE

Principal Elements at 6, 13 and

Days.	Barometer reduced to sea-level.			Air Temperature.					Tension of Vapour.		
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	6 hours.	13 hours.	15 hours.
	Inches.	Inches.	Inches.	°	°	°	°	°	Inch.	Inch.	Inch.
1	30.056	30.014	29.986	67.6	78.0	76.0	79.0	66.0	.612	.487	.596
2	.051	.019	.995	67.0	80.0	79.3	81.4	65.1	.596	.539	.561
3	.089	.052	30.021	68.0	80.1	78.4	81.5	66.4	.621	.577	.576
4	·117	.084	.056	70.5	80.5	79.0	82.0	69.5	.642	.587	.572
5	.102	.043	.007	70.0	81.0	78.5	82.4	68.9	.659	.594	.588
6	.074	.021	29.974	68.5	80.0	78.7	81.6	68.1	.613	.545	.596
7	·105	.078	30.053	69.7	80.8	79.3	82.0	66.0	.600	.490	.544
8	·145	.106	.076	68.8	80.2	76.8	82.5	67.8	.585	.559	.623
9	.114	.084	.070	68.2	79.7	79.4	81.0	67.0	.573	.549	.530
10	.109	.085	.060	69.0	78.2	79.0	81.3	68.1	.569	.579	.558
11	.156	.120	.107	69.5	80.3	79.1	82.0	68.1	.641	.592	.598
12	.185	.146	.121	71.7	80.5	79.6	82.3	70.1	.637	.530	.531
13	.161	.115	.098	70.0	80.2	79.8	82.0	69.0	.565	.493	.525
14	.134	.117	.105	72.0	78.8	80.0	84.4	71.8	.680	.634	.628
15	.179	.142	.118	70.0	79.0	78.4	82.0	69.2	.659	.592	.600
16	.158	.111	.079	68.3	77.2	77.4	79.4	66.7	.582	.541	.536
17	.093	.069	.047	70.4	78.2	78.3	81.6	69.2	.606	.546	.545
18	.059	.009	29.976	66.7	81.1	79.4	82.5	65.0	.529	.533	.553
19	·040	.009	.965	68.2	80.4	79.7	81.8	67.2	.625	.541	.517
20	·068	.034	30.010	69.5	80.4	80.4	81.4	67.5	.633	.591	.602
21	·049	29.984	29.968	71.2	79.6	79.0	80.5	68.5	.630	.560	.558
22	29·995	.935	.914	68.7	80.0	79.5	81.9	66.6	.621	.545	.552
23	.945	.920	.890	69.7	79.3	79.3	81.7	68.7	.654	.599	.588
24	.978	.949	.929	69.0	82.0	81.2	83.7	67.5	.665	.662	.680
25	30.016	.996	.967	73.0	80.7	79.0	82.9	72.6	.709	.683	.707
26	29.959	.892	.872	72.0	80.5	79.6	81.4	71.0	.739	.708	.681
27	.876	.856	.826	74.5	79.0	78.7	80.0	74.2	.739	.749	.754
28	·938	.946	.926	71.8	80.7	81.0	82.0	69.5	.736	.763	.715
29	30·048	30.026	30.004	72.4	82.0	82.0	84.4	70.2	.741	.705	.701
30	·046	.029	.001	73.2	81.4	82.0	83.8	71.6	.754	.669	.647
Means ...	30.068	30.033	30.007	70.0	80.0	79.3	81.9	68.6	.640	.591	.599

METEOROLOGICAL OBSERVATIONS.

XXXV.—*Continued.*

15 hours.—November, 1892.

Relative Humidity.			Wind.						Amount of Cloud			Rainfall in 24 hours.
			6 Hours.		13 Hours.		15 Hours.					
6 hours.	13 hours.	15 hours.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	6 Hours.	13 Hours.	15 Hours.	
P. C.	P. C.	P. C.		Miles.		Miles.		Miles				Inches.
90.4	50.9	67.0	E. b. S.	5.5	N. E.	14.0	N. E. b. E.	10.3	3.5	9.5	8.5	.....
89.8	52.4	55.7	E. b. S.	6.5	E. N. E.	11.8	E. b. N.	13.2	4.5	7.5	2.5	.....
90.4	55.7	59.0	E. S. E.	6.9	E. b. N.	16.7	E. b. N.	14.5	3.5	5.5	6.5	0.01
85.5	55.7	57.2	E. S. E.	9.4	E. N. E.	17.8	E. b. N.	14.4	7.0	2.5	8.5	.....
89.2	55.4	60.3	E. S. E.	7.5	E. b. N.	14.4	E. b. N.	17.2	8.5	4.0	4.5	.01
87.4	53.0	60.9	E. S. E.	8.5	E. b. N.	13.3	E. N. E.	15.1	1.5	4.5	5.0	.....
82.5	46.9	54.2	E. S. E.	8.0	E. b. N.	15.9	E. b. N.	13.5	2.0	2.0	1.0	.....
83.0	53.9	67.8	S. E.	6.6	E. b. N.	18.4	E. b. N.	16.7	1.0	5.0	7.5	.....
83.0	53.9	52.7	S. E. b. E.	8.4	E. b. S.	17.7	E. b. S.	19.3	9.0	9.0	6.0	.06
80.5	59.6	56.0	E. S. E.	8.2	E. b. N.	18.5	East.	19.6	5.0	6.5	4.0	.03
89.1	56.6	59.5	E. N. E.	4.1	E. b. N.	16.6	E. b. N.	16.8	9.5	4.0	4.5	.08
81.5	50.6	52.4	E. S. E.	10.5	East.	16.6	E. b. S.	16.1	9.0	4.0	3.0	.07
76.5	47.8	51.5	S. E. b. E.	8.3	East.	17.5	E. b. S.	17.3	0.5	4.0	1.0	.06
87.0	65.0	60.6	E. b. S.	17.0	E. b. N.	22.1	E. b. N.	22.5	3.5	9.0	8.0	.02
89.2	59.0	61.8	E. S. E.	7.0	E. b. N.	18.3	E. b. N.	17.6	3.5	9.0	5.0	.04
84.0	57.8	56.9	S. E. b. E.	8.7	E. b. N.	25.1	E. b. N.	21.2	8.0	7.5	7.0	.10
81.0	55.4	56.0	E. S. E.	5.9	East.	17.1	East.	18.5	9.5	3.5	4.5	.08
81.0	49.7	54.8	E. S E.	8.0	East.	13.6	E. S. E.	17.8	0.0	8.0	9.5	.....
90.4	51.8	50.9	E. b. S.	5.5	E. N. E.	12.3	E. b. N.	12.0	1.0	3.0	2.0	.03
87.9	56.3	57.2	E. b. S.	6.5	E. b. N.	14.7	E. N. E.	13.7	1.0	4.5	4.0	.....
82.0	55.1	56.0	S. E. b. E.	4.7	E. b. N.	14.3	E. b. N.	12.8	2.0	2.0	3.0	.....
88.0	53.0	54.5	S. E. b. E.	7.5	E. b. N.	15.2	E. N. E.	12.8	1.0	4.0	5.0	.03
89.8	59.3	58.1	E. S. E.	5.2	E. b. N.	14.4	E. N. E.	13.6	2.0	6.5	5.5	.08
94.0	60.0	64.2	S. E. b. E.	4.4	N. E.	12.3	N. E. b. N.	11.7	2.5	9.0	7.0	.....
87.5	64.2	71.0	S. E. b. S.	7.9	E. N. E.	10.3	E. N. E.	9.6	6.0	9.5	10.0	.09
94.0	67.4	67.0	E. N. E..	3.7	N. b. E.	17.1	N. b. E.	15.5	5.0	5.5	9.5	.34
86.5	75.0	76.2	North.	8.1	W. b. N.	9.0	N. W.	11.9	10.0	10.0	10.0	.25
94.8	72.2	68.0	East.	4.4	N. W.	10.7	N. W. b. W	8.7	2.5	6.5	4.0	.46
93.2	64.4	64.0	E. S. E.	4.9	E. b. N.	11.6	E. b. N.	11.1	1.0	5.5	8.0	.....
92.0	62.8	58.8	E. b. N.	5.7	E. N. E.	12.7	E. N. E.	11.4	9.0	7.5	4.5	.....
87.0	57.4	59.7		7.1		15.3		14.9	4.3	5.9	5.4	1.84

METEOROLOGICAL OBSERVATIONS.

TABLE

Principal Elements at 6, 13 and

Days.	Barometer reduced to sea-level.			Air Temperature.					Tension of Vapour.		
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	6 hours.	13 hours.	15 hours.
	Inches.	Inches.	Inches.	°	°	°	°	°	Inch.	Inch.	Inch.
1 ...	30.068	30.032	30.013	70.5	82.8	81.0	84.4	70.3	.681	.632	.730
2 ...	.048	.037	.000	74.0	82.6	82.0	83.8	72.0	.714	.652	.624
3 ...	.038	.027	.003	71.7	82.0	81.2	84.4	69.2	.685	.674	.712
4 ...	.037	.018	29.992	72.0	80.2	79.6	81.4	69.2	.709	.687	.705
5 ...	.020	29.983	.961	70.4	82.0	81.4	82.8	68.4	.676	.602	.632
6 ...	29.966	.943	.921	72.5	81.0	81.2	82.1	70.3	.672	.601	.653
7 ...	.958	.954	.933	72.0	78.1	78.2	80.8	71.4	.718	.763	.745
8 ...	.964	.966	.956	71.4	79.5	79.7	81.0	70.6	.707	.728	.712
9 ...	.967	.943	.924	73.5	80.2	80.0	80.9	72.2	.730	.742	.749
10 ...	.943	.917	.897	72.6	79.4	80.4	81.0	70.4	.752	.768	.726
11 ...	.967	.971	.962	72.4	81.0	81.0	81.8	72.0	.746	.660	.707
12 ...	30.056	30.056	30.047	72.6	82.5	80.4	84.0	71.6	.747	.701	.630
13 ...	.086	.062	.030	74.4	83.1	82.4	84.6	73.2	.759	.656	.671
14 ...	.015	.001	29.971	74.0	82.0	81.0	83.0	72.7	.735	.722	.687
15 ...	.018	.017	.997	71.6	82.0	81.6	83.6	71.3	.703	.676	.629
16 ...	.073	.045	30.017	70.0	80.3	80.3	83.3	69.4	.640	.674	.706
17 ...	.107	.074	.049	71.4	81.8	81.6	84.0	70.2	.616	.688	.679
18 ...	.094	.056	.017	73.2	82.6	82.5	84.1	71.4	.677	.591	.565
19 ...	.063	.020	29.990	69.7	82.8	82.0	84.4	67.6	.642	.572	.602
20 ...	.057	.041	30.031	70.6	83.0	82.0	84.4	69.4	.640	.628	.581
21 ...	.073	.045	.017	70.5	81.0	80.6	83.1	68.7	.642	.687	.666
22 ...	.059	.015	29.992	71.0	82.6	82.6	84.0	68.2	.671	.616	.580
23 ...	.038	.012	.976	73.0	81.2	81.0	82.6	72.1	.757	.688	.652
24 ...	.063	.048	30.019	70.5	83.0	82.0	84.2	69.0	.642	.553	.610
25 ...	.091	.073	.047	72.0	81.7	81.0	82.9	71.1	.696	.639	.637
26 ...	.076	.051	.031	74.2	82.7	82.0	83.9	74.0	.753	.666	.713
27 ...	.085	.055	.028	73.0	82.1	81.3	83.6	72.4	.735	.699	.710
28 ...	.085	.052	.021	73.7	82.0	82.4	83.9	73.3	.728	.681	.679
29 ...	.043	.027	29.995	72.5	83.0	82.0	84.0	72.3	.701	.684	.678
30 ...	.050	.026	30.000	75.0	82.2	82.0	83.7	74.6	.761	.730	.685
31 ...	.087	.062	.027	72.5	82.0	81.7	83.5	72.4	.709	.742	.628
Means ...	30.042	30.020	29.996	72.2	81.7	81.2	83.2	71.0	.701	.671	.667

METEOROLOGICAL OBSERVATIONS.

XXXV.—*Continued.*

and 15 hours.—December, 1892.

Relative Humidity.			Wind.						Amount of Cloud.			Rainfall in 24 hours.
			6 Hours.		13 Hours.		15 Hours.					
6 hours.	13 hours.	15 hours.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	Direction.	Hourly Velocity.	6 hours.	13 hours.	15 hours.	
P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inches.
91.0	56.1	69.6	S. E.	4.5	E. N. E.	12.4	S. S. W	10.9	2.5	6.5	8.0	
85.0	58.2	57.0	E. b. S.	8.6	E. b. N.	13.2	E. b. N.	11.3	1.5	4.5	2.0	
88.1	61.2	67.2	S. E. b. E.	5.2	N. E.	14.9	N. E. b. N.	13.6	1.5	7.5	7.5	
90.5	66.2	69.4	N. N. E.	5.3	N. E. b. N.	9.3	N. E. b. N.	13.3	1.5	8.0	8.5	
90.8	55.2	58.8	S. b. W.	5.3	N. b. W.	12.8	N. N. W.	11.0	1.3	4.0	8.5	
84.5	56.0	61.4	S. W.	3.4	N. N. W.	13.1	N. W. b. N	11.7	2.0	5.0	7.0	
91.5	78.6	76.6	S. b. W.	3.6	N. b. E.	8.2	W. N. W.	10.7	9.5	9.5	9.0	0.79
92.0	71.8	69.8	S. E. b. E.	3.3	N. N. W.	12.2	N. N. W.	11.0	7.5	9.5	9.5	.72
88.5	72.4	72.6	N. E. b. N.	5.8	N. N. W.	15.0	N. N. W.	15.1	7.5	9.0	8.5	1.08
94.0	76.4	69.4	S. b. W.	8.5	North.	12.2	N. b. W.	9.8	9.5	9.5	8.0	1.78
93.8	62.4	67.2	North.	5.8	North.	12.1	N. b. E.	9.2	9.5	9.0	9.0	0.12
93.4	63.3	60.2	E. b. N.	3.8	E. b. N.	12.1	E. b. S.	11.4	2.5	4.5	5.5	.01
89.0	57.6	60.4	E. S. E.	8.4	E. b. N.	14.8	East.	15.7	2.0	3.5	5.5	
87.5	66.0	65.2	E. b. S.	8.4	E. b. N.	15.1	E. b. N.	13.1	2.5	5.8	4.0	.06
91.0	61.6	58.2	E. S. E.	5.9	E. b. N.	15.1	E. b. N.	13.3	3.0	4.5	2.5	.16
86.5	64.9	67.8	East.	6.0	E. N. E.	17.8	E. b. N.	17.4	4.5	7.5	6.0	
79.5	64.0	63.4	E. b. N.	7.1	E. b. N.	13.4	E. b. N.	13.1	1.0	6.5	5.8	
83.0	53.1	51.0	E. b. N.	4.5	N. E.	8.8	E. N. E.	9.0	7.5	4.0	0.5	
88.7	51.0	55.2	E. S. E.	2.9	E. b. N.	11.6	E. b. N.	10.3	0.5	3.5	2.5	
85.0	55.5	53.4	S. E. b. E.	3.8	E. N. E.	12.6	E. b. N.	10.7	0.8	7.5	7.0	
85.5	65.2	63.6	S. E. b. E.	3.5	E. N. E.	13.6	E. N. E.	11.9	1.3	7.5	8.0	
91.0	55.2	52.2	E. S. E.	2.9	E. N. E.	9.2	E. b. N.	9.0	0.5	5.0	2.5	.09
93.0	65.0	61.6	N. E. b. E.	4.4	N. E.	8.2	N. E. b. N.	8.4	9.0	5.5	5.5	.40
85.5	48.9	55.8	East.	2.5	E. b. N.	10.8	E. N. E.	12.3	1.5	3.5	6.5	
89.0	59.1	60.0	E. S. E.	8.3	E. b. N.	15.5	E. b. N.	17.8	2.5	7.5	8.0	.43
89.0	59.5	65.2	E. b. S.	6.3	E. b. N.	17.7	E. b. N.	15.8	1.8	4.5	5.5	
90.5	63.7	66.8	E. b. S.	7.1	E. b. N.	15.9	East.	14.6	3.5	7.5	6.0	.25
87.5	62.0	61.2	S. E. b. E.	6.5	E. b. N.	15.4	E. b. N.	13.1	7.0	7.0	5.5	.03
88.0	60.0	61.6	E. S. E.	7.3	E. b. N.	12.8	East.	14.9	2.5	8.5	6.5	
87.5	66.6	62.4	East.	8.6	E. b. N.	16.6	East.	18.1	10.0	8.5	8.5	.08
89.0	68.0	57.9	E. b. S.	9.0	East.	18.1	East.	18.3	2.5	8.5	3.0	.24
88.7	62.1	62.6		5.7		13.2		12.8	3.9	6.5	6.1	6.24

METEOROLOGICAL OBSERVATIONS.

TABLE XXXVI.

Resumé of Actinometric Observations made during the year 1892.

Date.	Mean Radiation Result.	Altitude.	Remarks.
	° ′	° ′	
January, ... 7	8.98	87—20	Sky pale.
„ 25	9.08	87—50	Clear, small cu passing.
„ 26	9.25	87—50	„
„ 27	9.62	87—40	„
„ 28	9.23	87— 5	„ passing cu.
„ 29	9.07	87—20	„ „ „
February 19	8.51	81—10	„
„ 20	9.43	80—50	„ cir. at Nrd.
March 11	9.17	73—25	„
„ 25	8.68	67—50	„
„ 30	8.88	66— 0	„
„ 31	8.67	65—35	„
April 8	8.94	62—35	„ cir. at S. W.
„ 18	8.91	59— 0	„
„ 25	8.85	56—30	„
May 2	8.69	54—25	„
„ 3	8.87	54—15	„ passing cu.
„ 4	9.08	53—20	„
June 20	8.54	46—25	„
„ 27	8.56	46—40	„ „
July 7	8.93	47—15	„
„ 8	8.63	47—30	„
„ 19	8.47	49—10	„
„ 22	8.56	49—45	„ pas ing cu.
August 12	8.72	54—50	Hazy, „ „
„ 13	8.89	55—30	Clear, „ „
„ 16	8.62	56—15	„
„ 31	8.81	61—30	„
September ... 22	9.15	69—45	„
„ 28	8.68	72— 5	„ „ „
October 10	9.20	76—20	Hazy.
November... ... 5	9.45	85—10	„ passing cu.
„ 6	9.92	84—40	Clear.
December 19	9.89	85—45	„ but thin smoky cir. seen at times.
	° ′	° ′	
Mean of the 34 observations...	8.97	67—19.	

NOTE:—The above observations have been taken with a Balfour Stewart Actinometer No. 2 by Casella, at or as near apparent noon as possible, the sun's rays, concentrated by a lens being allowed to fall on the bulb of the Thermometer (No. 58,530) for two minutes.

METEOROLOGICAL OBSERVATIONS.

TABLE XXXVII.

Thunder and Lightning.

Month.	Day.	
January ...	2	Thunder at N. Wrd. from 18h. 30m. to 19h. and lightning in evening at N. Wrd.
,, ...	3	In the evening, lightning at Nrd.
,, ...	16	Distant thunder and lightning between 4h. 30m. and 5h. 30m. at Wrd.
,, ...	18	Thunder at Erd. S. Erd., S. S. Erd. from 15h. 17m. to 17h. 30m. Lightning at Erd. in evening.
,, ...	19	Thunder and lightning at intervals and Srd., S. Erd. to E. N. E., from 11h. 21m. to 13h. 20m. Thunder at S. Wrd. at 15h. 11m. Several peals of thunder at Erd. from 18h. 30m. to 18h. 40m. Lightning at E. S. Erd. in evening.
,, ...	20	Thunder at Erd. from 9h. 18m. to 9h. 30m.
February ...	16	Thunder and lightning at Wrd., S. Wrd., Srd., S. Erd., Erd. and overhead from 13h. to 15h. 25m.
,, ...	25	Much lightning at N. Wrd. in evening.
,, ...	26	Lightning between 20h. and 21h. at Wrd.
,, ...	27	Faint lightning at 5h. at Wrd. and in early evening at Wrd., W. S. Wrd. and S. Wrd. Thunderstorm at Nrd., Wrd. and W.S. Wrd. late in evening, with vivid flashes of lightning and forked lightning at times. Constant flickering, chiefly at N. Wrd.
March ...	4	Distant thunder at N. Erd., from 13h. 23m. to 13h. 27m. Between 18h. and 19h. distant thunder and lightning at W. S. Wrd.
,, ...	6	At 7h. 45m. thunder at N. Wrd., and at 11h. 30m. at Erd. Distant thunder and lightning at Srd. in evening.
,, ...	8	Distant thunder and lightning began about 23h. at Nrd.
,, ...	9	A thunderstorm from 0h. to 10h. 45m.; much thunder and lightning chiefly at Nrd. Lightning in evening chiefly at S. S. Erd.
,, ...	10	Between 14h. 20m. and 14h. 55m., distant thunder at Srd.
,, ...	16	Distant thunder and lightning between Srd. and Erd. at intervals during the night.
,, ...	17	From 2h. 30m. to 5h. 40m. loud thunder with vivid lightning at times from Erd., N. Erd. overhead and Nrd. Thunder continued at intervals up to 18h. Lightning at Nrd. during the evening and night.
,, ...	18	Lightning at Nrd., during the morning. Several distant peals of thunder at about 3h. Thunder and lightning from Erd. to overhead, Wrd. and Srd. from 11h. 30m. to 17h. Thunder and lightning at Nrd. in evening.
,, ...	21	Several faint flashes of lightning at Nrd. in evening.
,, ...	31	Thunder at S. Wrd. at 15h. (heard at St-Pierre, Moka.
April ...	11	Much lightning and thunder at N. Wrd., Nrd. and N. Erd. from 5h. to 8h. 40m.
,, ...	12	At 17h. 30m., thunder at Erd. Lightning in evening at Erd.
,, ...	14	Lightning at Wrd. in evening.
,, ...	17	Thunder at Srd. and S. Erd from 14h. 17m. to 14h. 48m.
,, ...	27	Lightning at Nrd. after 19h. and thunder at 20h. 42m.
,, ..	28	Thunder and lightning during the morning at N. Erd., Erd. and overhead, continued to 5h. 20m. Lightning at Wrd. in evening.
May ...	5	Between 15h. 8m. and 16h., distant thunder at S. Erd. and E. S. Erd.
,, ...	6	Thunder at S. Wrd., Wrd. and in the zenith from 11h. 23m. to 11h. 50m.
,, ...	19	Lightning at Nrd. and N. Wrd. in evening.
December ...	6	Between 20h. and 20h. 15m. several flashes of lightning at Srd.
,, ...	8	Thunder with vivid lightning between 4h. 20m. and 6h. 52m., at S. Erd., S. Wrd. and Wrd. Lightning in evening at S. Wrd.
,, ...	9	Between 19h. 3m. and 20h. 30m., several flashes of lightning at S. Erd.
,, ...	24	In evening, lightning at S. Wrd.
,, ...	25	Between 2h. and 2h. 30m., thunder and lightning at S. Erd.
,, ...	26	Lightning at W. S. Wrd. in evening.
,, ...	29	Lightning at Wrd. in evening.
,, ...	30	Lightning at Wrd. in evening.

METEOROLOGICAL OBSERVATIONS.

TABLE XXXVIII

Means and Extremes of the Principal Meteorological Elements in 1892 and for the Period 1875-92.

Elements.	1892.	1875-92.
Mean Atmospheric Pressure (reduced to sea-level)	30.056 inches... ...	30.080 inches.
Highest „	30.353 „ July 20 ...	30.468 „ June 20—77.
Lowest „	27.956 „ April 29 ...	27.956 „ April—92.
Mean Temperature in Shade ...	74.1	73.6.
Highest „	85.7 Jan. 12	88.8 Jan. 6—78.
Lowest „	58.8 July 27	53.5 July 26—90.
Mean Temperature of Evaporation ...	69.2	68.4.
Highest „	79.6 March 4... ...	81.3 March 10—79.
Lowest „	56.2 Sept. 7	51.6 Aug. 22—84.
Mean Dew Point „	65.7	64.6.
Highest „	76.4 Jan. 17	77.5 March 5—89.
Lowest „	48.7 June 22	46.8 Sept. 5—80.
Mean Vapour Tension	.643 inch	.619 inch.
Highest „	.909 „ January 17 ...	.941 „ March 5—89.
Lowest „	.344 „ June 22 ...	.320 „ Sept. 5—80.
Mean Relative Humidity	76.1 (saturation = 100) ...	74.4.
Highest „	96.4 Jan. 18	97.0 Dec. 29—88 & March 7—90.
Lowest „	42.5 Oct. 21	34.8 Oct. 31—78.
Mean hourly Velocity of Wind ...	10.9 miles	11.2 miles (mean for 17 years).
Maximum „	103.3 „ April 29 ...	103.3 „ April 29—92.
Rainfall	59.12 inches	48.41 inches.
No. of days on which rain fell ...	221	204.
Greatest fall in 24 hours	7.32 ins. Feb. 13 ...	11.24 ins. May 7—84.
No. of days of Thunder and Lightning	37.	33.
Mean amount of Ozone	4.6 (Scale 0—10) ...	4.4 (mean for 6 years).
Greatest „	8.0 March 16... ...	10.0 Sep. 3—87 & June 23 & 29—89.
Least „	1.0 Feb. 16, 20 & 21 ...	.....
Total duration of Sunshine during the year.	2809.4 hours'... ...	2728.9 (mean for 6 years).
Mean proportion for the year ...	0.637 (constant sunshine = 1)	0.621 „

TABLE XXXIX.

Mean Monthly Maximum and Minimum Temperature at four Stations in the Interior of the Island in 1892.

Districts.	Pamplemousses.		Moka.		Plaines Wilmems.			
Approximate height above sea-level.	Botanical Gardens, 225 feet. (W. Scott.)		Lynnwood, 1100 feet. (Hon. Hamilton Stein.)		Beau Séjour, 970 feet. (Hon. J. Fraser, C.M.G.)		Phœnix, near Railway Station, 1315 feet. (F. C. Estill.)	
Months.	Mean Max.	Mean Min.	Mean Max.	Mean Min.	Mean Max.	Mean Min.	Mean Max.	Mean Min.
January	85.2°	72.7°	81.8°	69.8°	81.4°	73.2°	81.3°	69.7°
February.....	84.6	73.0	81.0	69.8	81.7	73.4	80.5	69.9
March	82.5	70.7	.....	.....	81.6	72.5	81.5	68.9
April	83.2	70.5	80.2	67.9	81.6	70.9	80.6	67.8
May	84.3	65.5	76.3	64.1	78.8	66.3	76.2	62.3
June	79.6	63.6	72.3	59.7	74.4	59.2	71.6	60.4
July	78.8	59.8	70.4	57.0	72.7	55.9	69.0	58.1
August	79.1	61.1	72.0	58.3	74.0	58.8	71.7	59.5
September	79.7	60.5	71.2	57.5	72.2	57.5	70.5	58.5
October	83.8	62.3	75.5	59.2	75.3	58.0	76.6	60.1
November	86.6	65.5	79.3	62.8	78.6	67.3	79.9	63.3
December	87.9	68.5	81.1	65.5	79.6	64.7	82.2	66.2
Means	82.9	66.1	.....	.....	77.7	64.8	76.8	63.7
Approximate Mean Temperature	74.5		.....		71.2		70.2	

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

TABLE XL.

Absolute Maximum and Minimum Temperature at the same four Stations in 1892.

Districts.	Pamplemousses.		Moka.		Plaines Wilhems.			
	Botanical Gardens. (W. Scott.)		Lynnwood. (The Hon. Hamilton Stein,)		Beau Séjour. (The Hon. J. Fraser, C.M.G.)		Phœnix, near Ry. Station. (F. C. Estill.)	
Months.	Abs. Max.	Abs. Min.	Abs. Max.	Abs. Min.	Abs. Max.	Abs. Min.	Abs. Max.	Abs. Min.
	°	°	°	°	°	°	°	°
January	89.6	69.9	86	65	84	70	86	66
February	86.8	69.7	85	58	85	69	84	66
March	86.0	67.5	...	...	85	70	87	66
April	84.6	68.2	83	64	84	62	84	63
May	88.6	61.7	81	59	83	54	81	58
June	82.0	59.5	75	55	77	50	75	56
July	80.8	53.9	72	52	75	50	72	54
August	81.0	56.3	74	54	76	50	74	55
September	82.4	55.3	73	53	75	52	74	54
October	86.8	56.5	79	54	78	54	81	55
November	89.0	61.3	83	60	82	60	84	60
December	89.8	65.9	84	61	81	62	87	63

TABLE XLI.

Hygrometric Observations at the Royal Botanical Gardens Pamplemousses during the year 1892.

Months.	Dry Bulb.		Wet Bulb.		Dew Point.			Relative Humidity.			Vapour Tension.		
	9 hours.	15 hours.	9 hours.	15 hours.	9 hours.	15 hours.	Mean.	9 hours.	15 hours.	Mean.	9 hours.	15 hours.	Mean.
	°	°	°	°	°	°	°	P.C.	P.C.	P.C.	Inch.	Inch.	Inch.
January	80.6	82.4	75.7	76.3	72.4	72.2	72.3	76.1	71.6	73.8	.796	.791	.793
February	80.1	81.4	76.1	76.5	73.4	73.2	73 3	80.1	76.4	78.2	.823	.818	.820
March	78.2	80.3	75.3	75.6	73.3	72.4	72.8	84.5	76.8	80.6	.821	.797	.809
April	78.5	80.8	75.1	75.7	72.8	72.2	72.5	82.0	75.3	78.6	.806	.793	.799
May	78.2	80.2	71.5	71.9	66.8	66.2	66.5	68.4	62.0	65.4	.659	.644	.651
June	73.9	75.7	67.5	68.6	62.8	63.5	63.1	68.4	65.6	67.0	.573	.587	.580
July	73.4	74.7	66.0	66.5	60.5	60.6	60.5	64.4	61.8	63.1	.529	.529	.529
August	72.8	75.3	67.5	67.6	63.5	62.1	62.8	73 3	63.5	68.4	.589	.558	.573
September	73.5	75.8	66.3	66.4	61.0	59.7	60.3	65.6	57.2	61.4	.538	.513	.525
October	78.1	81.2	69.5	69.7	63.5	62.0	62.7	60.7	51.5	56.1	.587	.555	.571
November	79.7	83.3	71.9	72.3	66.6	65.0	65.8	64.5	54.0	59.2	.652	.617	.634
December	81.5	84.5	74.4	75.1	69.6	69.0	69.3	67.6	58.9	63.2	.724	.708	·716
Means	77.4	79.6	71.4	71.8	67.2	66.5	66.8	71.3	64.5	67.9	.675	.659	.667

TABLE XLII.

Thermometrical Observations made at the Nursery Gardens, Curepipe, during the year 1892.

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

Months.	Mean Maxim.	Mean Minim.	Approximate mean Temperature.	Absolute Max.	Date.	Absolute Min.	Date.	Mean Minimum on grass.	Highest on Grass.	Date.	Lowest on Grass.	Date.
	°	°	°	°		°		°				
January	78.9	67.8	73.3	84.7	26	63.5	27	66.1*	69.0*	31	62.3*	28
February	79.0	68.3	73.6	83.5	17	61.8	22	66.9	71.2	29	59.0	22
March	79.8	66.7	73.5	85.5	8	60.0	30	64.7	69.2	1	57.2	30
April	79.7	67.3	73.5	83.5	3	60.8	8 & 10	61.6	66.0	3	55.2	9
May	.....	.....	.....	.....	...	.....	...	60.0†	64.8†	15	51.5†	29, 30
June	68.9‡	58.9‡	63.9‡	72.5‡	16	54.8‡	21	56.5	61.8	5	50.0	27
July	67.4	57.0	62.2	70.0	27	49.5	13	53.6	59.8	29	45.5	12 & 13
August	69.2	58.2	63.7	72.5	28	51.5	8	55.4	59.0	10, 19	47.0	8
September	67.7	57.3	62.5	69.5	15, 23	52.2	22	54.8	57.5	16	50.2	22
October	73.2	58.5	65.8	78.3	19	48.5	5	54.8	60.0	31	45.5	4
November	76.1	62.2	69.1	80.0	24	59.0	16	56.6	64.0	26, 27	52.5	11
December	78.7	64.5	71.6	83.0	18	58.8	19	60.6	65.0	13	53.0	19
Means	74.4	62.4	68.4	.....	.....	.....	.....	59.3	.....	.....	.....	.....

* From the 23rd. † From the 12th. ‡ From the 11th.

TABLE XLIII

Hygrometric Observations taken at the Nursery Gardens, Curepipe during the year 1892.

Months.	Dry Bulb.			Wet Bulb.			Dew Point.			Relative Humidity.			Vapour Tension.		
	6 Hours.	15 Hours.	Mean.	6 Hours.	15 Hours.	Mean.	6 Hours.	15 Hours.	Mean.	6 Hours.	15 Hours.	Mean.	6 Hours.	15 Hours.	Mean.
	°	°	°	°	°	°	°	°	°	p. c.	p. c.	p. c.	Inches.	Inches.	Inches.
January* ...	68.8	77.6	73.2	68.5	73.2	70.8	68.3	70.1	69.2	98.1	78.8	88.4	.692	.736	.714
February ...	69.4	76.1	72.7	69.1	72.6	70.8	68.9	70.1	69.5	98.5	82.9	90.7	.706	.736	.721
March ...	67.8	76.6	72.2	67.7	73.0	70.3	67.7	70.5	69.1	99.5	81.9	90.7	.678	.746	.712
April† ...	67.3	75.9	71.6	67.3	72.1	69.7	67.3	69.4	68.3	100.0	80.6	90.1	.668	.718	.693
May ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June‡ ...	60.1	66.2	63.1	58.7	62.3	60.5	57.4	59.1	58.2	91.7	78.6	85.2	.472	.501	.486
July ...	58.5	65.7	62.1	57.7	61.5	59.6	57.0	58.0	57.5	95.2	77.4	86.3	.465	.482	.473
August ...	59.5	66.0	62.7	59.1	62.2	60.6	58.8	59.2	59.0	97.5	79.5	88.5	.496	.503	.499
September...	58.2	64.8	61.5	57.4	60.7	59.0	56.7	57.4	57.0	95.0	77.3	86.1	.461	.472	.466
October ...	60.2	70.1	65.1	59.9	64.4	62.1	59.6	60.0	59.8	98.2	71.2	84.7	.511	.518	.514
November ...	64.3	72.9	68.6	63.9	67.2	65.5	63.6	63.0	63.3	98.3	71.6	84.9	.588	.576	.582
December ...	66.4	75.0	70.7	66.0	70.0	68.0	65.7	66.4	66.0	97.4	75.9	86.7	.633	.648	.640
Means ...	63.7	71.5	67.6	63.2	67.2	65.2	62.8	63.9	63.4	97.2	77.8	87.5	.579	.603	.591

* From the 23rd, inclusive. † Exclusive of the 29th. and 30th. ‡ From the 11th. inclusive.

TABLE XLIV.

Observations of Solar Radiation and Ozone at the Nursery Gardens, Curepipe, during the year 1892.

Months.	Maximum Temperature in the Sun's Rays. Neg. & Zambra, No. 65011.					Amount of Solar Radiation.					Amount of Ozone Scale 0 to 10.			Remarks.
	Mean.	Highest.	Date.	Lowest.	Date.	Mean.	Highest.	Date.	Lowest.	Date.	Mean.	Max.	Min.	
	°	°		°		°	°		°					
January* ..	145.3	155.8	28	131.5	24	63.8	72.3	28	52.6	24	2.7	5	2	The mean difference between Hicks No. 211,682, in use at the Observatory, and Neg. & Zambra, No. 65,011 was found to be 3°6, which correction must be deduced from the results of Solar Radiation in this table to make them comparable with the observations taken at the Observatory.
February ...	136.8	157.0	21	74.2	12	57.8	75.5	25	3.2	12	3.9	6	0	
March ...	142.3	157.0	12	117.0	9	62.4	72.7	10	38.5	9	3.7	5	2	
April ...	136.4	152.0	22	85.0	29	58.6	71.5	22	?	29	3.0	5	2	
May ...	132.6	147.0	14	100.0	30	?	?	?	?	?	4.8 †	6†	3†	
June ...	126.9	136.0	12	114.0	5, 9	59.3‡	67.0‡	12	50.0 ‡	30	4.8	6	3	
July ...	126.7	141.0	27	99.0	14	59.3	71.0	27	37.5	14	4.9	6	3	
August ...	132.3	138.5	16	116.0	30	63.1	68.3	20	32.0	30	4.0	5	3	
September ...	131.7	140.2	22	112.5	14	64.0	71.7	22	48.0	14	4.3	6	3	
October ...	142.2	153.0	31	108.0	16	69.0	77.7	31	41.5	16	3.3	5	1	
November ...	146.2	157.5	13	134.5	15	70.0	81.0	13	62.0	1	2.5	4	1	
December ...	147.5	160.5	3	123.5	1	68.8	82.0	10	45.5	1	2.1	4	1	
Means ...	137.2					63.3					3.7			

* From the 23rd. † From the 9th. ‡ From the 11th.

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

Months.	Riviere du Rempart.											
	Saint Antoine, A. de Chazal.		Belmont, A. de Chazal.		Poudre d'Or, A. de Chazal.		Schœnfeld, A. de Rosnay.		Labourdonnais, G. Aubin.		Mon Songe, E. D'Unienville.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	7.43	13	7.07	14	8.50	11	8.69	17	13.17	15	8.36	15
February	8.46	14	11.06	16	8.86	13	5.83	19	12.54	18	15.37	17
March	6.63	18	8.68	19	7.90	14	9.19	25	9.59	22	14.09	26
April	10.18	10	11.18	13	8.50	12	11.41	21	8.62	12	10.47	14
May	2.12	7	2.36	10	2.94	11	2.87	15	1.99	7	3.49	14
June	3.26	13	4.65	15	3.70	11	4.18	20	5.87	17	4.78	19
July	2.23	11	2.78	12	2.08	10	3.59	19	5.72	15	4.50	12
August.....	2.59	9	3.80	13	4.51	13	4.28	23	5.84	12	4.44	13
September	0.90	6	1.82	11	1.24	8	1.38	21	3.16	13	1.82	12
October	0.33	6	1.05	8	1.51	9	1.92	17	3.48	9	3.07	9
November	0.72	6	1.25	8	2.22	8	3.98	12	2.14	8	5.36	15
December	2.58	11	4.73	12	5.12	13	3.78	15	5.06	12	4.55	11
Fall in 1892	47.43	124	60.43	151	57.08	133	61.10	224	77.18	160	80.30	177
Average Fall	49.09	128	62.98	124	52.55	119	55.38	183	63.59	134	75.61	173
Excess or Defect in 1892	— 1.66	— 4	— 2.55	+27	+ 4.53	+14	+ 5.72	+41	+ 13.59	+26	+ 4.69	+ 4
No. of years	19.	16	4.	4	13.	13	10.	9	31.	31	10.00	10

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

Months.	Pamplemousses.													
	St. André.	G. Couve.	Solitude.	J. Bax.	Beau Plan.	D. de St. Romain.	Mon Rocher.	Ev. de Chazal.	Observatory.	C. Meldrum.	Botanical Gardens.	W. Scott.	La Grande Rosalie.	C. Montocchio.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	7.69	14	4.57	.....	8.97	13	11.03	17	6.96	22	9.36	16	8.07	15
February...	10.50	14	9.84	.....	17.10	14	21.80	17	13.86	21	15.42	19	16.04	19
March	7.75	13	6.00	.....	9.95	16	14.31	15	9.57	24	9.79	24	11.54	22
April	2.97	8	2.25	.....	3.29	8	5.95	9	5.68	14	6.66	8	11.31	14
May	.....	...	.....	.....	.....	.....	1.93	6	1.25	14	1.59	11	2.99	11
June	.....	...	.....	.....	3.55	12	4.92	13	4.02	22	5.64	21	5.78	16
July	.....	...	.....	.....	3.08	12	4.09	10	3.10	19	3.66	20	4.60	16
August	.....	...	.....	.....	2.72	13	3.67	12	3.80	16	5.23	19	4.00	14
September	1.45	4	.....	.....	2.27	15	2.53	5	1.41	21	1.83	17	3.85	17
October	0.63	2	.....	.....	1.16	6	1.47	4	1.39	15	2.78	16	2.24	11
November	1.60	4	0.85	.....	1.19	6	1.40	4	1.84	18	2.49	19	4.15	13
December	6.18	9	5.28	.....	5.15	11	6.25	13	6.24	15	5.54	12	5.89	15
Fall in 1892	.....	...	.....	.....	.....	.....	79.35	125	59.12	221	69.99	202	80.46	183
Average Fall	44.04	130	36.25	105	55.69	.....	63.28	121	48.41	204	66.19	166	73.80	170
Excess or defect in 1892.	.....	...	.....	.....	.....	.....	+16.07	+4	+10.71	+17	+3.80	+36	+6.66	+13
No. of years	29	25	7	7	7	.....	12	12	18	18	27	26	12	11

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

Months.	Flacq.										Moka.	
	Rigny.	Dr. Bouchet.	Rich Fund,	P. Eynaud.	Constance,	A. Dalais.	Sans Souci.	E. d'Argent.	Etoile,	E. de la Hogue.	Gentilly,	H. Finniss.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	16.20	25	13.62	...	10.82	...	14.76	21	14.59	14	8.71	18
February	15.16	26	12.88	...	7.63	...	20.46	24	12.90	17	21.47	21
March	15.39	27	12.90	...	14.48	...	15.38	27	10.97	25	5.97	21
April	10.33	22	10.52	...	9.75	...	15.30	18	9.89	19	.....	...
May	.....	...	6.44	...	3.31	...	15.69	21	.....	..	2.37	14
June	.....	...	9.40	...	3.62	...	10.59	22	5.25	14	3.23	16
July	8.15	20	5.14	24	4.31	...	8.27	23	6.70	12	4.42	19
August	5.17	22	4.44	24	3.53	...	7.60	23	4.86	19	2.77	16
September...	3.43	16	2.64	18	2.30	...	4.70	20	3.31	16	2.17	17
October	3.98	19	2.78	14	2.50	...	.....	...	3.30	12	4.77	10
November	2.18	14	1.28	9	2.32	...	4.46	15	2.65	8	3.86	13
December	13.97	18	9.42	4	4.42	...	12.20	19	7.64	8	12.44	22
Fall in 1892	.....	...	91.46	...	68.99	...	.....	...	.....	...	.....	...
Average Fall	90.48	239	84.96	166	65.32	...	129.59	223	103.65	191	83.38	197
Excess or defect in 1892...	.....	...	+6.50	...	+3.67	...	.....	...	.....	...	.....	...
No. of years	19	16	4	3	7	...	9	5	.11	10	.19	19

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

Months.	Moka.—*Continued.*											
	The Bower. C. F. Shand.		Lynnwood. The Hon. H. Stein.		Bon Air. W. S. Telfair.		Alma. E. Regnard.		Réduit. W. Scott.		Minissy L. Hardy.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	7.94	21	8.37	24	7.81	19	14.92	...	5.45	12	9.65	16
February	6.23	25	28.45	24	24.68	23	29.79	...	14.39	22	22.66	24
March	6.11	27	.....	...	5.64	23	13.45	...	4.56	21	5.21	19
April	6.42	25	12.82	23	14.75	15	11.34	...	10.47	14	11.42	12
May	2.36	22	2.21	19	2.22	14	8.21	...	0.51	8	.....	...
June	4.63	25	4.87	28	4.57	19	10.82	...	4.31	18	5.61	13
July	3.64	27	3.06	23	3.65	21	8.56	...	2.45	22	2.42	10
August	2.58	26	2.92	27	2.26	15	6.86	...	1.50	16	2.65	6
September	2.29	23	2.22	23	2.14	20	5.61	...	1.76	15	2.20	10
October	2.08	24	1.73	29	2.59	13	3.69	...	1.46	9	2.10	5
November	4.05	17	3.59	16	3.08	9	3.81	...	2.59	10	2.52	4
December	8.74	17	7.96	24	8.62	20	12.03	...	7.28	19	11.62	20
Fall in 1892	77.07	279	.....	...	82.01	211	129.09	...	56.73	186	.....	...
Average Fall	63.47	309	68.87	223	64.46	210	131.43	256	58.86	191	70.49	133
Excess or defect in 1892	+13.60	−30	.....	...	+17.55	+1	−2.36	...	−213	−5	.....	...
Number of years	7	7	23	23	9	9	20	19	6	6	10	10

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

Months.	Plaines Wilhems.													
	St. Cloud.	Hon. A. Mure.	Beau Séjour.	The Honorable J. Fraser, C.M.G.	Bagatelle.	A. Blackburn.	Trianon.	A. Régnard.	Phœnix.	O. Moizeau.	Highlands.	D. Dalais.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January.....	.....	...	7.98	19	8.97	18	6.13	21	8.62	22	8.07	17
February	.....	...	31.85	24	24.67	27	22.08	26	26.71	27	15.96	21
March	.....	...	7.30	25	7.13	24	5.47	27	8.15	26	5.95	21
April	.....	...	18.71	15	4.76	16	11.49	21	...	...	3.25	8
May	.....	...	1.19	8	.....	...	1.88	13	1.83	15	.....	...
June	.....	...	4.98	19	.....	...	4.61	25	8.14	27	8.39	18
July	2.16	18	3.37	17	.....	...	3.09	25	5.52	26	4.60	15
August	1.17	16	2.27	12	.....	...	1.80	22	2.80	21	3.81	12
September...	1.45	22	1.91	15	.....	...	2.19	24	3.58	25	3.28	19
October.....	1.29	14	2.11	11	1.06	14	1.73	23	2.66	19	2.68	12
November	2.35	17	3.79	8	2.80	13	2.70	13	5.99	15	2.39	10
December	6.65	22	7.63	21	8.75	21	8.87	22	9.85	20	8.26	13
Fall in 1892.	.....	...	93.09	194	.....	...	72.04	262	.....	...	.....	...
Average Fall	.....	...	68.25	188	75.21	271	62.86	200	69.37	228	74.55	173
Excess or defect in 1892...	.....	...	+24.84	+6	.....	...	+9.18	+62	.....	...	.....	...
Number of years	.....	...	31	31	3	3	26	24	14	12	13	12

Table XLV.—Showing the Rainfall, &c.—*Continued.*

Months.	Plaines Wilhems.—*Continued.*											
	Phœnix, near Rail. Station, F. C. Estill.		Reunion, G. Robinson.		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.
January	8.52	22	9.24	21	16.22	21	16.58	...	8.30	19	10.24	19
February	27.28	25	25.78	26	32.26	28	26.88	...	25.36	26	28.77	24
March	8.61	23	8.86	25	14.53	25	14.34	...	8.45	23	7.80	24
April	13.01	21	13.35	18	19.04	26	17.91	...	17.16	16	6.94	21
May	2.41	17	3.01	14	6.41	31	7.10	...	3.59	19	4.62	20
June	8.07	29	10.25	25	14.51	30	14.76	...	8.13	27	9.80	29
July	5.78	24	7.51	21	11.77	31	9.12	...	5.03	22	6.96	26
August	3.79	25	4.02	23	7.83	30	8.57	...	2.76	16	3.34	21
September	3.39	27	4.44	25	6.71	28	5.30	...	3.42	20	3.67	24
October	2.44	21	4.77	20	6.35	31	4.57	...	3.91	15	4.50	16
November	5.61	16	6.78	18	8.92	30	8.29	...	4.88	16	5.63	18
December	9.28	20	9.56	21	10.23	31	6.29	...	8.76	20	10.26	25
Fall in 1892	98.19	270	107.57	257	154.78	342	139.71	...	99.75	239	102.53	263
Average Fall	89.19	259	83.20	240	130.10	262	130.17	...	82.79	243	84.70	259
Excess or Defect in 1892	+ 9.00	+11	+ 24.37	+17	+ 24.68	+80	+ 9.54	...	+ 16.96	—4	+ 17.83	+ 4
No. of years	5.	5	15.	12	9.	9	7.	...	11.	11	6.	6

Table XLV.—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.		Wolmar. C. H. Kœnig.		Casela. C. H. Kœnig.		Tamarind. C. H. Kœnig.		Chamarel. W. West.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	13.03	17	8.57	22	16.37	18	2.78	6	4.60	10	4.86	11	9.08	12
February	24.94	23	22.91	28	30.75	24	17.90	7	19.45	7	18.68	14	18.07	8
March	10.59	19	7.70	25	10.95	23	3.54	6	6.15	9	4.42	13	14.76	13
April	5.84	15	6.50	22	24.40	14	16.84	7	14.24	10	14.24	13	.....	...
May	6.15	13	4.04	22	8.39	16	0.00	0	0.21	1	.....	...	.....	...
June	12.45	19	7.90	28	15.15	22	0.21	1	0.45	6	1.41	12	5.87	14
July	7.65	19	6.37	27	14.48	23	0.00	0	0.00	0	0.67	7	6.02	23
August	3.68	16	3.27	25	8.86	21	0.16	1	1.01	4	1.42	5	3.27	16
September	4.06	15	3.06	23	7.46	18	0.00	0	0.00	0	0.16	2	2.20	20
October	4.43	12	2.56	24	5.22	15	0.00	0	0.65	3	0.72	4	2.44	13
November	4.91	11	3.63	18	6.91	15	1.60	2	3.29	4	1.56	5	2.98	14
December	9.79	18	8.98	24	14.79	20	4.28	9	9.69	11	8.75	16	9.70	19
Falls in 1892	107.52	197	85.49	288	163.82	229	47.31	39	59.74	65	56.89	102	.....	...
Average Fall...	100.21	206	79.00	229	140·83	216	32.99	44	54.51	62	38.84	68	77.55	138
Excess or defect in 1892... ...	+ 7.31	— 9	+ 6.49	+ 59	+22.99	...	+14.32	— 5	+ 5.23	+ 3	+18.05	+34	.....	...
No. of years	10	10	6	6	4	14	10	5	5	5	11	5	14	10

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

Months.	Grand Port.													
	Ferney, J. Wiéhé.		Cluny, J. H. Desplaces.		Nouvelle France, A. Marcy.		Riche-en-Eau, L. de Rochecouste.		Astrœa, A. Daniel.		Deux Bras, D. Gilmer.		Beau Vallon. A. de Rochecouste.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	14.39	19	18.53	22	18.93	21	12.60	19	15.45	...	16.92	21	9.56	15
February	14.88	25	34.37	28	38.68	27	16.48	...	26.41	...	17.96	27	13.50	19
March	10.81	25	18.76	28	19.15	25	9.90	...	14.25	...	12.29	27	10.59	24
April	11.25	14	16.45	23	12.45	12	11.68	...	11.92	...	10.66	21	9.23	17
May	7.36	14	11.51	19	13.24	24	6.62	...	6.95	...	6.33	20	6.31	19
June	5.73	22	12.56	27	15.68	29	5.39	...	4.85	...	6.21	26	3 86	24
July	4.09	14	13.08	26	16.70	20	3.80	...	6.85	...	6.03	21	3.46	19
August	4.85	12	10.66	30	15.17	26	4.97	...	6.36	...	6.53	26	2 89	16
September	1.93	12	5.29	24	9.16	20	2.04	...	2.98	...	2.51	17	1.79	12
October	2.84	9	3.40	10	5.45	11	1.58	...	1.63	...	1.65	16	1.48	8
November	3.23	10	3.66	19	9.09	17	1.78	...	1.75	...	2.33	18	4.66	9
December	4.21	19	17.66	23	15.50	19	6.02	...	8.50	...	7.37	24	3.22	17
Fall in 1892	85.57	195	165.93	288	189.20	251	82.86	...	107.90	...	96.79	264	70.55	199
Average Fall	91.74	191	146.99	245	.....	...	91.30	245	109.12	203	104.86	255	65.87	212
Excess or defect in 1892	−6.17	+4	+18.94	+43	.....	...	−8.44	...	−1.22	...	−8.07	+9	+4.68	−13
No. of years	15	15	29	29	1	1	15	13	11	9	14	10	28	28

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

Months.	Grand Port.—*Continued.*		Savanne.													
	Gros Bois. E. de Robillard.		La Flora. A. J. Dalais.		St. Avold. A. Bour.		Colmar. Sir V. Naz, K.C.M.G.		Bénarès, Residence. Sir V. Naz, K.C.M.G.		Bénarès, Sugar House. Sir V. Naz, K.C.M.G.		St. Aubin. A. Pitot.		Union-Bel Air. Th. V. Latour.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	13.34	18	16.20	24	12.01	15	15.65	...	14.97	...	13.35	...	13.09	14	13.70	20
February	15.36	21	28.43	26	18.88	21	.....	...	12.76	22	9.60	18	13.29	25	17.22	21
March	9.21	26	11.73	25	8.23	23	10.05	22	9.80	24	8.83	23	9.04	26	10.04	22
April	5.33	11	.....	...	4.87	13	4.33	10	10:08	12	9.07	12	4.05	16	9.14	14
May	3.93	9	.....	...	10.19	18	.....	...	2.71	12	1.36	10	6.02	18	3.81	16
June	6.79	18	9.37	28	6.67	18	4.41	18	3.71	21	2.78	19	4.82	24	6.00	22
July	6.66	19	10.12	25	8.12	22	5.04	16	4.80	21	3.59	18	5.61	25	4.63	22
August	5.54	19	8.45	23	4.68	15	4.70	20	4.83	18	3.45	14	5.35	25	5.17	19
September	2.63	15	4.56	20	3.01	13	2.02	16	1.46	14	1.02	9	2.26	22	2.43	18
October	3.70	10	2.87	13	2.94	10	3.07	12	2.05	11	1.76	10	3.97	16	0.87	5
November	1.34	7	5.82	16	3.35	11	1.61	6	1.11	8	1.05	7	1.49	14	2.36	10
December	10.61	16	13.92	22	13.25	19	14.02	21	11.39	19	9.66	15	11.88	24	10.28	20
Fall in 1892	84.44	189	.....	...	96.20	198	.....	...	79.67	...	65.52	...	80.87	249	85.65	209
Average Fall	98.78	209	.....	...	119.80	209	95.19	194	61.75	173	.....	...	84.65	215	77.31	150
Excess or defect in 1892	−14.34	−20	.....	...	+23.60	−11	.....	...	+17.92	...	.....	...	−3.78	+34	+8.34	59
Number of years ...	29	29	.....	...	6	6	21	21	7	6	1	...	28	28	24	24

TABLE XLVI.

Approximate Altitudes of Rainfall Stations above the sea-level.

Stations.	Feet.
Rivière du Rempart :	
St. Antoine...	90
Bel Mont.....	50
Poudre D'Or	60
Schœnfeld	?
Labourdonnais	290
Mon Songe	620
Pamplemousses :	
St. André	175
Solitude	90
Mon Rocher	270
Beau Plan	195
Observatory	179
Botanical Gardens	225
La Grande Rosalie	643
Flacq.	
Rigny	575
Riche-Fund	?
Constance	?
Sans Souci	860
Etoile	790
Moka.	
Gentilly	1150
The Bower	1080
Lynnwood	1100
Bon Air	1050
Alma	1500
Réduit	1000
Minissy	1150
Plaines Wilhems :	
St. Cloud.....	?
Beau Séjour	970
Bagatelle.....	1300
Trianon	950
Plaines Wilhems.—*Contd.*	
Phœnix	1300
Highlands	1400
Phœnix (near Railway Station)	1315
Réunion (Vacoas)	1420
Curepipe Gardens	1840
Villa le Bain	1840
Henrietta	1549
The Glen	1580
La Marie	1715
Tamarind Falls	1629
Mare-aux-Vacoas	1850
Black River.	
Wolmar	50
Caselà	250
Tamarin.....	150
Chamarel	850
Grand Port.	
Ferney	?
Cluny	1000
Nouvelle France	?
Riche-en-Eau	800
Astrœa	700
Deux Bras	650
Beau Vallon	60
Gros Bois	500
Savanne :	
St. Avold	840
Colmar	400
Bénarès ... Résidence	300
Bénarès ... Sugar House	200
St. Aubin	300
Union Bel Air	90

METEOROLOGICAL OBSERVATIONS.

Notes about the raingauges at various stations during the year 1892.

Station.	Remarks.
St André	Le pluviomètre cassé par le cyclone du 29 Avril et réparé le 14 Septembre.
Solitude	Pas de pluviomètre du 29 Avril au 23 Novembre.
Beau Plan	Du 29 Avril au 31 Mai le pluviomètre n'existait pas.
Observatory	The raingauge was damaged at 4.30 P.M. and repaired next day.
Rigny	No rainfall measured in May and June.
Etoile	Le 29 Avril et les jours d'après pluviomètre brisé. Remis en place le 18 Mai.
The Bower	Raingauge blown down on April 29.
Minissy	Le pluviomètre a été emporté le 29 Avril. Mesuré 5 p. 50 au moment du calme. Remis en place le 31 Mai.
Bagatelle	Le 29 Avril pluviomètre cassé par le cyclone. Du 29 Avril au 11 Septembre pas mis en place.
Trianon	On the 29th April at 4 p.m. the pluviometer was blown away. The 4.50 inches of rain had fallen since 9 a.m.
Phœnix	The man in charge was wounded on the 29th April, and the record of the rainfall from the 24th to the 30th April was lost.
Highlands	Pluviomètre brisé le 29 Avril et remplacé en Mai.
Curepipe Gardens	On February 13, at 6.30 a.m., the receptacle of the raingauge was found overflowing.
The Glen, La Marie, and Tamarind Falls...	Le 29 Avril, pluviomètres renversés.
Wolmar and Caselà	Les pluviomètres ont été abattus le 29 Avril.
Tamarin	Pluviomètre cassé le 29 Avril.
Chamarel	No observations from April 29 to June 6; raingauge blown away on April 29.
Astrœa	Le vase pour recevoir l'eau ayant été renversé par le vent le 29 Avril, la quantité 2.12 pouces donnée n'est pas réelle.
Ferney, Gros Bois, and St Aubin	No rain was measured on the morning of April 30.
Nouvelle France	Pluviomètre cassé le 29 Avril et remis en place le 1er Juin.
La Flora	Régistre perdu pendant l'ouragan.
	No observations from April 29 to May 15.
Colmar	Le 29 Avril pluviomètre emporté par l'ouragan, et remplacé le 5 Juin.

METEOROLOGICAL OBSERVATIONS.

TABLE

Showing approximately the Dates, Localities, &c. of

Dates.	Localities.				Vessels by which experienced.	Winds.	
	Latitude.		Longitude.				
	From	To	From	To		Direction.	Max. Force.
January.							Beaufort.
6— 8	1°S.	3°S.	88°E.	87°E.	Camelot	W.S.W., S., W.	9
8	33 „	...	57 „	...	Maile	N.	9
10	43 „	...	9 „	...	Norwester	N.W., W.N.W.	8
12—17	6 „	14 „	90 „	88 „	Camelot	S.E.,S.W.,W.S.W., W.to N.	9
13—15	10 „	18 „	56 „	50 „	Invertay, Alert and at Tamatave.	N.E., N., N.W.	9
18—21	28 „	39 „	41 „	46 „	S. S. River Mersey, Norwester..	E.N.E., W.N.W., W. ...	9
24	37 „	...	39 „	...	Harrington	N.N.W., N.W., S.W. ...	8
February							
6— 7	21°S.	22°S.	49°E.	50°E.	S. S. Gladiator	E.N.E. to N.	10
9—14	12 „	25 „	62 „	52 „	Evelina, Darwin, Centre Amérique, Golden Fleece, etc.	S., S.E., E., N.E., N., N.W.	12
12—14	39 „	41 „	23 „	48 „	County of Kinross, Aconcagua...	S.W., W., N.N.W. ...	9
19—22	26 „	28 „	46 „	50 „	Alsace Lorraine, S. S. Gladiator.	N.W., N.N.W., E.N.E. ...	9
23—27	13 „	22 „	66 „	54 „	William Turner, Lorna Doone, Alert.	All points	12
March.							
2— 5	35°S.	40°S.	37°E.	66°E.	Fleur de Marie, Louis Eugène, Leander, etc.	S.S.W., W.S.W., W., N. N.W.	9
14—16	39 „	41 „	10 „	21 „	Oaklands	W.N.W., N.W.b.W. ...	8
22	41 „	...	18 „	...	Sierra Estrella	W.N.W., W.	8
April.							
21—22	25°S.	26°S.	43°E.	40°E.	S. S. Alboin	E.S.E., S.E.	8
22—24	37 „	38 „	8 „	10 „	Carl Burchard	S., S.b.W.	10
27—28	30 „	32 „	54 „	57 „	Miako	N.E., N., N.W., W.S.W., S.	9
25—30	14 „	24 „	60 „	66 „	S. S. Dunrobin Castle, Nemirna, St.Vincent, Lady Harewood, &c.	All points	12

METEOROLOGICAL OBSERVATIONS.

XLVII.

Hurricanes and Gales in the Indian Ocean in 1892.

Barometer.		Remarks.	Mauritius.					
			Barometer.		Temperature.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. velocity per hour.
Inches.	Inches.		Inches.	Inches.	Deg.	Deg.		Miles.
...	...	.....	29.972	29.884	83.8	71.2	E. to E.N.E. ...	16.5
30.00	29.80	Heavy gale	29.916	...	83.8	71.2	E. to E.N.E. ...	9.6
...	...	Heavy sea, thick rain	29.891	...	84.6	72.6	E.S.E., East	16.0
...	...	Heavy sea, hard squalls and rain.	29.889	29.798	85.7	74.5	E.S..E, E., N.E., N., N.N.W., W.b.N.	23.1
30.10	29.57	Cyclone. Very heavy cross sea, heavy squalls and rain.	29.884	29.823	82.6	74.5	E.S.E., E. ,N.E. ...	22.0
...	...	High cross sea	30.034	29.796	84.5	72.7	W., S.S·E, var., S.E..	21.3
...	29.46	Sudden shift, heavy rain, thunder and lightning.	29.962	...	83.0	75.0	S.E. and East ...	12.4
29.90	...	Heavy seas, terrific squalls with thunder, lightning and rain.	29.947	29.921	83.1	76.0	E. to E.N.E.	17.1
30.03	28.90	Cyclone. Terrific squalls, high cross sea and lightning.	29.884	29.354	83.4	73.2	E. S. E., E., N. E., N. N.E., N.	47.5
29.95	29.16	Strong gale, heavy high sea ...	29.860	29.354	80.7	75.2	E., N.E. and N. ...	47.5
30.04	28.96	Heavy gale, heavy sea	29.962	29.797	84.4	71.1	E., N.W., S. by var....	11.4
30.04	28.74	Tremendous sea, heavy squalls.	29.861	29.607	85.4	74.0	S.E., E.N.E.	29.1
29.96	29.04	Mountainous sea	29.822	29.727	83.7	73.0	E., N. E., N. W., W., W.S.W., S., E.S.E.	10.4
29.70	29.35	High cross sea	29.975	29.954	84.0	74.0	E., E.S.E., S.E. ...	17.9
...	...	Heavy squalls	30.014	...	82.8	74.2	E.S.E., E.	19.8
29.82	29.79	Fresh gale with high sea ...	29.969	29.967	82.6	72.0	E. b. S., S.E., E.N.E...	9.3
29.34	28.48	.....	30.019	29.969	82.4	71.1	S.E., E.N.E., E. b. S....	13.4
29.90	29.65	Sharp lightning, very heavy rain and squalls.	29.866	29.859	83.5	75.6	S.E., E., N.E. ...	19.7
30.14	27.93	Cyclone. Centre passed over Mauritius from N. Wrd.	29.994	27.961	83.5	72.4	S. E., E., N. E., N., N.W., W., S.W.	103.3

METEOROGICAL OBSERVATIONS.

TABLE

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

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Wind. Direction.	Max. Force.
							Beaufort.
May. 3— 5	35° S.	41° S.	3° E.	25°E.	Bankville, County of Peebles, Merle	E. S. E. to E. N. E. & S. to S.W., W. & N.W.b.W.	9
8— 9	30 „	37 „	30 „	34 „	Merle, S.S. Dunrobin Castle ...	S.S.W. to W.S.W. ...	9
17	40 „	...	9 „	...	Ariadne	N. W. to W.	9
27—29	38 „	37 „	29 „	36 „	Nancy	S.S.W., W., N.W.,N.b.W.	9
29—31	15 „	22 „	71 „	52 „	S. S. Invertay, Merle	S.E.b.E., S.	9
30—31	43 „	...	16 „	...	Slamat	N.N.W., W.N.W.... ...	9
30—31	15 N.	16 N.	72 „	71 „	Lorna Doone	W.N.W., W., W.S.W. ...	8
June. 1— 6	39° S.	43° S.	23° E.	50° E.	Slamat, County of Selkirk, Warwickshire.	N.E., N., N.W., W., S.W. & back to N.	10
6— 8	7 N.	11 N.	92 „	89 „	Sir Lancelot	S.W., S.W.b.S., S.S.W. ...	8
8—12	13 S.	15 S.	57 „	56 „	Louis Alfred	E., E.S.E., S.E.	8
11—12	37 „	38 „	28 „	32 „	Karikal	W., W.N.W., W.S.W. ...	9
13—15	38 „	40 „	14 „	24 „	County of Roxburgh	N.W.b.W., W.N.W., W.S.W., S.S.W.	11
18—20	35 „	38 „	38 „	50 „	Lock Vennacher, County of Roxburgh	S.S.W., S., S.E.b.S. ...	11
19—28	36 „	39 „	10 „	49 „	Janet Court	W.S.W. to N.N.W. ...	9
26—30	8 „	16 „	85 „	71 „	Sir Lancelot	S.S.E. to E.S.E.	9
July. 3— 6	13° N.	...	70° E.	...	Towy	W., W.S.W, S.W.b.W...	9
14—15	34 S.	...	3 „	7° E.	Indian Empire	S. W.	8
27	17 N.	...	60 „	...	S. S. Ackbar	S. W.	9
August. 3	36° S.	...	49° E.	...	Indian Empire	S. S. W.	9
12—19	32 „	36° S.	15 „	31° E.	S.S. Kertigern, Sierra Estrella, Senior.	N., N.W., W., S.W. ...	10
25—27	37 „	40 „	18 „	...	Hartfield	S.E., E.S.E., E.	9
27—31	27 „	30 „	32 „	44 „	S.S. Dunrobin Castle, S.S. Arab	E., E. N. E., N. E... ...	10
30—31	42 „	...	21 „	...	Ebenezer	N. to N. N. W.	9

METEOROLOGICAL OBSERVATIONS.

XLVII—*Continued.*

Hurricanes and Gales in the Indian Ocean in 1892.

Barometer.		Remarks.	Mauritius.					
			Barometer.		Thermometer.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. velocity per hour.
Inches	Inches.		Inches.	Inches.	Deg.	Deg.		
30.13	29.10	Terrific squalls, very heavy sea.	30.049	29.987	81.1	64.5	S.S.E., Wly. & calm..	13.9
30.18	29.85	Heavy high sea, fierce squalls...	30.123	30.062	79.4	66.0	S. E. to E.	18.7
...	...	Strong gale with very heavy sea	30.085	...	82.3	69.3	S.E. to E.b.S... ...	12.7
30.18	29.95	Heavy high sea and much rain.	30.097	30.089	79.0	64.2	S. E. b. E. to E., N. E., S. Ely.	26.4
30.21	30.10	Terrible sea, heavy squalls and rain.	30.164	30.095	78.9	67.0	S.E., S.S.E.	26.4
...	29.21	Heavy rain.	30.164	30.140	76.9	70.0	S.S.E. to S.E... ...	23.1
29.80	29.75	Blowing a gale with lightning, thunder and rain.	"	"	"	"	" ...	"
30.12	28.11	Terrific gale, squalls of hurricane violence, tremendous cross sea.	30.120	30.096	78.3	69.6	S.E., E.S.E., E.b.S...	26.3
29.80	29.71	Terrific squalls, heavy sea ...	30.138	30.104	78.4	70.7	E.S.E., E.	23.3
30.12	29.92	Les vents soufient avec violence, mer très grosse.	30.194	30.111	78.2	67.0	S.E., E. & S. E. ...	25.2
30.04	29.33	Coup de vent, mer très grosse...	30.194	30.154	76.3	67.0	S. Ely...	24.0
30.03	29.55	Cross sea, very heavy rain, squalls of force 11.	30.118	30.074	77.4	65.0	E.S.E. to E.N.E. ...	19.3
30.25	28.80	Lost bulwarks, sails, masts, &c. thunder, vivid lightning & rain.	30.088	29.968	77.6	64.5	S.E., E., N.E., N., N. W., Sly., W.	16.6
29.80	29.60	Lost bulwarks, &c. heavy rain, thund. & lightg., terr. squalls.	30.214	29.968	77.4	64.5	E.S.E., N.. N.W., Sly. W., E.S.Ely.	27.0
30.00	29.78	Violent squalls, mountainous sea.	30.196	30.121	76.4	65.0	E.S.E., E.	25.2
29.60	29.48	Heavy cross sea...	30.161	30.112	76.0	63.1	E.S.E., S.E.	26.3
30.35	30.30	Violent squalls, high confused sea.	30.249	30.241	74.0	65.0	S. E.	25.6
29.60	29.48	Strong squalls....	30.105	...	74.4	58.8	S. E., E.N.E... ...	13.1
30.15	...	Violent squalls	30.105	...	75.2	65.2	E.S.E., E.	16.3
30.20	29.45	Very heavy sea, violent squalls.	30.205	30.159	76.5	63.2	E.S.E., E.	23.4
30.25	29.75	Terrific hail and rain squalls ...	30.130	30.104	76.0	64.8	E., E.N.E.	22.2
30.35	30.15	Constant rain, high sea, hard squalls.	30.219	30.119	76.0	62.4	E.S.E., S.S.E. ...	26.9
30.30	30.20	Very heavy sea.	30.219	30.167	73.3	65.0	S.S.E. & S.E... ...	26.9

METEOROLOGICAL OBSERVATIONS.

TABLE

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

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Wind. Direction.	Max. Force.
Sept.							Beaufort.
2— 5	38°S.	...	4 E.	7°E.	Houghton Tower	E.b.S., S., S.W., W., N.W. b.W. & S.W.	11
5— 6	38 „	40°S.	49 „	52 „	Hartfield	N., N.W., W.N.W. ...	9
9—15	28 „	38 „	10 „	46 „	Houghton Tower, s.s. Doune Castle, Greyhound.	S., S.W., W., N.W., N. ...	9
13	42 „	...	11 „	...	Queen Elizabeth	N.W. to W.	8
22—29	35 „	42 „	16 „	23 „	Greyhound, Calcutta	N., N.N.W., W., S.W. ...	8
27—30	38 „	41 „	42 „	51 „	County of Dumfries	N.N.W.	8
Oct.							
2— 3	32°S.	41°S.	43°E.	59°E.	County of Dumfries, Glencoyn, Calcutta.	N., N.W., W., S.W. ...	10
5	Algoa Bay				s.s. Clan Mc Donald	N.W., W., W.S.W. ...	9
15	12 N.	...	85 „	...	Champion	N., N.W.	9
17—20	34 S.	35 S.	17 „	18 „	Greyhound	S.S.W., S., S.E.b.S. ...	9
17—18	15 „	16 „	86 „	...	Calcutta...	E.S.E., S.E., S.E.b.S. ...	11
21—26	42 „	43 „	56 „	72 „	Port Glasgow	N., shift to S.W., W., W.N.W. & S.W.	9
28—31	34 „	36 „	21 „	22 „	Greyhound	W., W.N.W.	9
Nov.							
4— 6	35°S.	39°S.	20°E.	26°E.	County of Caithness, Greyhound	N. W. b. N., N. W., W., W.S.W.	9
9—10	39 „	...	42 „	46 „	County of Caithness	N. N. E., N., N. N. W., W.N.W.	10
9	36 N.	...	24 „	...	s.s. Abydos	N.E.	8
18	37 S.	...	120 „	...	s.s. Titus	W.	9
22—30	33 „	36 „	16 „	27 „	Greyhound	S.S.W.,S.,N.W., N.W.b.W.	9
Dec.							
21	34°S.	...	48°E.	...	Hutchings	E., E. S. E., backing to N. & W.	9
28—31	30 „	41°S.	12 „	20 „	s.s. Conway Castle, Banklands..	N., W.N.W. & S.S.E., S., S.S.W.	9

METEOROLOGICAL OBSERVATIONS.

XLVII—*Continued.*

Hurricanes and Gales in the Indian Ocean in 1892.

Barometer.		Remarks.	Mauritius.					
			Barometer.		Thermometer.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. velocity per hour.
Inches.	Inches.		Inches.	Inches.	Deg.	Deg.		
30.34	30.20	Rain, terrific cross sea, sails, carried away.	30.212	30.164	75.4	61.1	S.E., E.S.E.	25.1
29.90	29.75	Strong gale, high sea	30.240	30.212	74.4	64.0	S.Ely....	22.3
30.53	30.47	Very heavy cross sea, hard squalls with rain and lightning.	30.258	30.208	76.3	65.1	E.S.E., E., ...	27.8
...	...	Heavy gale	30.208	...	75.9	66.1	E.S.E. to E.	20.7
29.65	29.30	Hard gale, severe squalls, terrific sea, much lightning.	30.260	30.168	76.4	62.0	E.S.E., E.	26.5
30.10	29.40	Hard squalls, dense fog ...	30.260	30.180	76.0	65.1	E.S.E. to E.	26.5
30.50	29.20	Sudden shift to S.W., furious gale, tremendous high sea.	30.195	30.186	77.4	65.5	E.S.E., E.	16.6
29.72	29.64	High sea and heavy rain ...	30.068	...	77.0	62.0	S.E. b. S., N.E., N., N.W., W., S.b.W.	7.4
29.95	29.80	Much lightning...	30.202	...	77.1	68.0	E.S.E.	28.4
30.10	29.80	Strong gale, tremendous high sea, lightning and thunder.	30.175	30.101	79.0	66.1	E.S.E., E.	22.8
29.90	29.76	Blowing a storm, mountainous sea, lost bulwarks.	30.169	30.101	79.0	66.1	S.E.b.E. to E. ...	22.8
29.90	29.38	Blowing with great fury, heavy cross sea.	30.111	30.004	81.0	61.0	S.S.E. to E., E.N.E...	21.6
30.09	30.00	Strong gale, tremendous high sea	30.049	30.033	79.5	65.2	From S.S.E. to N.N.W. & W.	12.2
30.00	29.67	Violent squalls, much rain ...	30.102	30.026	82.4	68.1	E.S.E. to E.N.E. ...	18.5
...	...	Squalls of hurricane force, incessant lightning.	30.105	30.092	81.3	67.0	S.E. to E.	20.3
...	...	High sea	30.105	...	81.0	67.0	S.E. to E.	19.7
29.53	29.10	Strong gale, high cross sea and rain.	30.024	...	82.5	65.0	E.SE. to E.	17.8
30.00	29.00	Thunder, lightning and rain ...	30.043	29.870	84.4	66.6	S.E.b.E., E., N.E., N., N.W., Wly., S.W., var. & E.S.E. to N.E.	17.1
...	...	Strong gale with high sea and rain.	30.055	...	83.1	68.7	S.E.b.E. to E.b.N. ...	15.8
30.12	29.15	High confused sea	30.059	30.033	84.0	72.3	E.S.E. to E.b.N. ...	20.0

TABLE XLVIII.

Five day Means 1892.

Number of 5-day period.	Barometric Pressure.	Temperature of the Air.	Maximum Temperature.	Minimum Temperature.	Vapour Tension.	Relative Humidity.	Wind. North Component.	Wind. East Component.	Wind. Velocity.	Upper Clouds.	Lower Clouds.	Amount of Ozone.	Rainfall. *
	Inches.	°	°	°	Inch.	P. C.	Miles.	Miles.	Miles.				Inches.
1	29.831	81.6	89.3	74.1	.759	77.1	−4.06	+13.16	14.1	1.8	5.6	4.0	1.32
2	.746	80.4	90.0	70.8	.714	75.4	−0.16	+ 8.49	8.9	1.0	3.6	3.2	.07
3	.675	81.7	89.3	74.1	.791	79.8	−0.70	+13.16	14.5	1.6	6.2	3.3	1.46
4	.679	80.3	86.9	73.6	.833	84.9	+0.64	+ 1.10	8.6	2.3	6.3	3.7	2.66
5	.813	81.1	89.7	72.6	.792	83.1	−2.66	+ 7.21	8.2	0.9	6.0	4.1	1.13
6	.824	80.7	90.4	71.1	.745	77.0	−1.18	+ 8.00	8.5	0.8	3.0	3.5	0.08
7	.807	81.6	90.3	72.8	.778	78.9	−0.45	+ 9.64	10.0	2.1	5.4	4.5	0.60
8	.744	81.3	88.6	74.1	.781	78.7	+0.35	+10.85	11.0	3.7	5.1	4.8	1.04
9	.537	78.2	82.9	73.5	.809	85.0	+9.53	+16.93	23.2	0.8	8.9	6.3	10.21
10	.767	80.5	88.3	72.8	.804	85.0	+1.12	+ 2.38	5.2	2.6	4.8	3.1	1.01
11	.670	80.1	90.3	70.0	.737	76.8	−1.95	+ 4.70	7.9	0.8	3.0	2.2	0.04
12	.525	82.1	88.3	76.1	.845	81.3	−1.15	+16.50	17.9	1.1	7.3	3.3	1.51
13	.609	80.0	87.7	72.4	.804	84.1	+0.09	+ 2.40	4.9	2.9	5.8	4.3	0.53
14	.702	80.1	88.2	72.1	.799	82.5	+0.07	+ 2.40	5.0	1.4	5.3	3.4	0.60
15	.761	80.6	89.8	71.4	.766	80.3	−2.25	+ 7.62	8.4	0.3	4.7	5.3	0.48
16	.737	78.4	85.9	71.0	.787	84.7	−3.57	+ 7.92	9.2	2.3	6.7	6.2	6.16
17	.821	80.2	88.2	72.3	.762	81.0	−5.62	+10.30	11.9	0.1	5.0	6.0	1.30
18	.722	78.7	88.5	68.9	.763	82.2	−1.10	− 1.29	5.0	1.9	3.3	3.3	0.19
19	.892	80.9	90.3	71.6	.763	80.4	−2.51	+ 7.14	8.0	1.4	3.7	4.5	0.06
20	.756	78.2	87.8	68.6	.715	80.1	−1.20	+ 2.55	5.3	3.8	3.1	3.9	0.08
21	.760	77.8	85.7	70.0	.756	84.5	−1.15	+ 6.26	7.0	1.9	5.0	5.7	0.82
22	.777	79.6	89.7	69.5	.754	82.6	−0.97	+ 4.02	5.6	0.2	4.0	4.0	0.30
23	.799	79.3	89.4	69.3	.731	79.8	−2.99	+ 6.37	7.4	0.0	4.1	4.2	0.07
24	.607	80.7	86.1	73.7	.774	80.1	−0.71	+10.32	18.6	0.1	7.0	4.9	4.35
25	.852	75.7	84.8	66.4	.600	70.6	−5.29	+ 3.88	8.1	1.2	2.2	4.8	0.01

* Five day sums.

TABLE XLVIII.—*Continued.*

Five day Means 1892.

Number of 5—day period.	Barometric Pressure.	Temperature of the air.	Maximum Temperature.	Minimum Temperature.	Vapour Tension.	Relative Humidity.	Wind. North Component.	Wind. East Component.	Wind. Velocity.	Upper Clouds.	Lower Clouds.	Amount of Ozone.	Rainfall. *
	Inches.	°	°	°	Inch.	P. C.	Miles.	Miles.	Miles.				Inches.
26	.892	74.6	83.0	66.1	.547	65.5	−6.78	+ 8.19	11.0	1.0	3.8	6.4	0.08
27	.899	77.3	85.3	69.3	.695	77.9	−0.98	+ 7.74	8.8	1.4	4.5	5.9	0.25
28	.881	75.9	85.5	66.4	.655	75.0	−4.85	+ 7.30	9.3	1.3	3.0	5.0	0.03
29	.903	74.9	83.2	66.5	.617	72.7	−4.13	+10.31	11.5	0.3	4.2	5.7	0.27
30	.916	73.4	82.8	63.9	.596	75.3	−6.13	+ 7.30	10.9	1.2	4.1	5.0	0.14
31	.926	73.9	80.2	67.6	.593	72.6	−9.44	+11.68	15.7	0.4	6.1	5.6	0.99
32	.934	74.0	79.8	68.1	.612	74.8	−5.80	+14.85	16.2	0.3	5.3	5.6	2.01
33	.944	72.1	80.1	64.1	.557	71.9	−4.62	+13.08	14.3	0.0	4.2	6.0	1.12
34	.907	72.4	81.4	63.5	.601	76.4	−4.39	+ 7.26	9.6	0.4	4.9	5.1	0.04
35	.955	70.2	78.1	62.3	.484	65.6	−6.66	+ 8.98	12.9	0.0	6.9	4.8	0.09
36	.989	70.5	79.0	62.1	.527	70.4	−4.15	+12.28	13.2	0.0	5.7	5.1	0.15
37	.925	72.6	78.8	66.2	.582	76.0	−6.85	+13.90	15.7	0.1	5.8	5.8	1.53
38	.963	69.5	78.0	60.8	.473	66.6	−5.67	+11.34	13.0	0.3	3.7	4.9	0.43
39	30.000	68.4	77.8	58.8	.497	72.0	−5.03	+ 9.86	11.9	0.0	5.5	5.0	0.21
40	.058	69.7	78.3	61.0	.529	72.6	−5.58	+12.79	14.3	0.0	3.6	5.5	0.34
41	.053	69.0	77.7	60.0	.502	71.9	−6.14	+10.80	12.9	0.1	3.9	5.0	0.18
42	29.952	68.2	78.3	57.9	.511	73.5	−4.79	+ 8.12	10.7	0.0	4.0	5.6	0.38
43	.983	68.9	78.8	58.9	.529	74.9	−3.40	+10.93	11.7	0.0	5.3	5.1	0.23
44	.927	70.8	80.4	61.3	.582	80.3	−1.03	+ 8.83	9.5	0.6	5.5	4.5	0.46
45	.992	72.1	80.1	64.3	.565	76.2	−3.81	+11.17	12.1	0.5	5.1	5.5	1.39
46	.990	71.5	79.9	63.2	.556	75.6	−3.63	+12.31	13.3	0.0	5.6	4.8	0.05
47	.924	70.0	78.4	61.7	.561	79.6	−2.10	+10.50	11.1	0.1	5.9	4.4	0.61
48	.921	70.7	79.1	62.4	.565	77.0	−1.08	+10.51	11.0	0.1	5.5	4.6	1.18
49	.995	68.2	77.0	59.4	.469	69.1	−9.16	+ 9.89	14.1	0.2	5.9	4.9	0.24
50	30.026	68.5	78.2	58.9	.462	68.5	−6.27	+ 9.42	11.8	0.0	5.1	4.7	0.10

* Five day sums.

TABLE XLVIII.—*Continued.*

Five day Means 1892.

Number of 5-day period.	Barometric Pressure.	Temperature of the Air.	Maximum Temperature.	Minimum Temperature.	Vapour Tension.	Relative Humidity.	Wind. North Component.	Wind. East Component.	Wind. Velocity.	Upper Clouds.	Lower Clouds.	Amount of Ozone.	Rainfall. *
	Inches.	°	°	°	Inch.	P. C.	Miles.	Miles.	Miles.				Inches.
51	.049	72.4	79.3	65.4	.526	70.6	− 5.10	+15.29	16.3	0.3	5.8	3.0	0.09
52	.040	71.7	79.9	63.4	.550	76.4	− 4.03	+12.27	13.2	0.7	5.9	5.3	0.27
53	.004	69.4	79.6	59.3	.495	71.6	− 5.19	+10.48	11.9	0.6	5.1	5.6	0.21
54	.020	70.3	79.7	60.9	.505	72.5	− 5.14	+13.99	15.2	0.0	4.9	6.2	0.21
55	.010	72.3	81.0	63.6	.540	73.7	− 3.15	+12.63	13.4	0.7	4.6	5.9	0.63
56	29.951	71.1	82.6	59.7	.538	75.9	− 1.02	+ 5.77	8.6	0.8	3.7	5.5	0.03
57	.951	72.3	83.6	61.0	.551	74.5	− 1.26	+ 9.31	9.8	0.0	3.9	5.0	0.05
58	30.004	73.7	82.5	64.9	.542	70.3	− 5.39	+13.71	14.9	0.8	4.9	5.3	0.21
59	29.937	72.8	84.5	61.0	.523	71.4	− 3.89	+ 9.57	10.9	0.1	2.9	4.0	0.10
60	.871	74.5	85.1	63.9	.609	76.8	− 1.24	+ 8.31	9.4	0.2	5.6	3.2	0.18
61	.856	74.3	84.2	64.5	.631	79.7	+ 0.84	+ 2.13	5.9	0.8	6.0	3.6	.048
62	.885	75.6	87.7	63.7	.602	73.5	− 0.48	+ 9.64	10.0	0.5	4.1	4.2	0.02
63	.928	75.8	87.8	63.9	.582	70.8	− 1.94	+11.27	11.9	0.3	5.1	3.0	0.17
64	.962	77.2	88.1	66.5	.594	70.1	− 2.01	+14.12	14.6	0.3	5.5	3.6	0.29
65	.858	76.5	89.3	63.8	.580	69.7	− 1.14	+ 9.26	9.7	0.6	3.4	3.9	0.11
66	.773	78.1	89.1	67.3	.659	76.8	+ 2.17	+ 6.66	9.1	1.9	3.9	4.1	0.54
67	.805	78.7	88.6	68.9	.719	79.4	+ 2.01	+ 2.91	7.7	0.8	5.3	3.7	0.71
68	.827	78.2	88.7	67.8	.678	75.2	+ 2.55	+ 2.12	7.5	0.7	4.3	3.7	0.00
69	.773	77.8	85.9	69.8	.729	81.5	+ 4.40	− 0.50	6.8	2.6	6.2	3.6	4.49
70	.859	79.1	88.4	69.9	.691	75.9	+ 0.28	+ 9.50	9.8	0.6	4.1	4.1	0.23
71	.872	77.6	88.6	66.7	.631	70.8	+ 0.93	+ 7.20	7.5	0.1	4.0	3.2	0.00
72	.863	78.3	88.1	68.5	.671	74.2	+ 0.09	+ 7.97	8.5	1.1	3.6	3.8	0.92
73	.870	79.8	87.9	71.6	.701	75.2	− 0.98	+11.51	11.9	2.1	4.2	3.8	0.60

* Five day sums.

METEOROLOGICAL OBSERVATIONS.

Cyclones and Storm-Warnings.

In 1892 there was a very considerable increase of Tropical Cyclones in the South Indian Ocean.

(1). From the 12th. to the 18th. of January, a Cyclone travelled from about 11 ° to 24 ° S. and 56 ° to 52 ° E. It was experienced by the S. S. *Invertay*, the *Alert*, and other vessels.

At Mauritius the barometer fell from 29.930 inches at sea-level at 9 a.m. on the 11th. to 29.754. at 4 p.m. on the 17th, and the wind veered from S.E.b.E. to East, N.E., and N.W., its greatest average velocity for one hour being 23½ miles.

On the 13th. the following note was sent to the Newspapers :—

Heavy weather to the Northward since Monday (the 11th), but no danger.

(2). From the 12th. to the 17th. of January, a Cyclone occurred also in 6 ° to 14 ° S. and 88 ° to 90 ° E.

(3). Another Cyclone was experienced in 14 ° to 26 ° S. and 59 ° to 57 ° E. from the 10th. to the 14th. of February. It travelled on a S.Wly course, passing over St. Denis (Reunion) at 11h. 30m. p.m. on the 12th, and thence to the Srd. and S. Erd. It was encountered by the *William Turner, Evelina, Centre-Amérique*, M.M.S. *Peï-Ho*, &c.

At Mauritius the barometer at 9 a.m. on the 10th. was at 29.901 (corrected and reduced to sea-level) with the wind moderate from E. S. E. to which it had backed from E. b. N. since the 8th. This backing of the wind, though the barometer was high and falling very little, was not a favorable sign, and at 1.45 p.m. on the 10th. a notice of it was sent to the Newspapers.

On the 11th. and 12th. fourteen telegrams were sent to different parts of the island. At 2.30 p.m. on the 11th. it was stated that the Cyclone was passing N. and N. W. of the island ; at 9 a.m. on the 12th. that the indications were favorable, so far as Mauritius was concerned ; and at 2.10 and 3.15 p.m. that, though the centre had approached, there was no fear of more than a strong gale at the utmost.

The greatest velocity of the wind for one hour was 47.5 miles between 3.30 and 4.30 p.m. on the 12th, and the lowest barometer (at sea-level) 29.354 at 4.45 p. m. on the 12th. Owing to the close proximity of the telegraph-wires to trees telegraphic communication was interrupted all over theisland.

At St. Denis, (Réunion), the barometer fell to 732 m.m. (28.819), the wind increasing to a hurricane from S. Erd., and, after a calm, passing to N. E. and N.W.

From 4.45 p.m. on the 12th. to noon on the 18th. the barometer at Mauritius rose from 29.354 to 29.970, with light Nly and N.Wly winds, and it then fell to 29.816 at noon on the 21st. with a light wind from N.N.W. and fine weather.

(4). From the 20th. to the 22nd. a fourth Cyclone was experienced in 25 ° to 29 ° S. and 52 ° to 48 ° E. by the French barque *Alsace-Lorraine* and the S.S. *Gladiator*. The barometer of the *Alsace-Lorraine* fell to 28.96 inches, and her mainmast was carried away by the force of the wind.

(5). From the 24th. to the 29th. of February another Cyclone was experienced by the *William Turner, Lorna Doone, Evelina, Alert*, &c., in 14 ° to 26 ° S. and 65 ° to 47 ° E. It travelled on a S.Wly course, reaching the coast of Madagascar on the 28th. in about 21 ° 25' S. and 48 ° 5' E., and committing much damage at Mahanazary and Mahela, where the barometer fell to 730 m.m. (28.740).

At the Mauritius Observatory the barometer fell from 29.899 at 9 a.m. on the 24th. to 29.555 at 4.45 p.m. on the 26th., and then rose to 29.856 at 9 a.m. on the 29th. The wind veered slowly from S.Erd to E.N.E. and attained a maximum velocity of 29.1 miles per hour from East between 3.30 and 4.30 p.m. on the 26th.

On the 25th. the following note was sent to the Newspapers at 1 p.m. :—

" Barometer at 29.709 and falling slowly. Wind from S.E.b.E. at the rate of 27 miles an hour. A Cyclone at N. N. Erd, but no immediate danger. At present impossible to say whether the centre will pass East or North of the Island or over it."

At 3, 4, and 5 p.m. on the same day telegrams were sent to the Port Office and different parts of the Colony, stating that there was no fear of more than a fresh gale before 10 a.m. on the 26th.

On the 26th. and 27th. twelve telegrams were sent out. At 10 a.m. on the 26th. it was stated that the centre was passing slowly North of Mauritius at a safe distance, and that the velocity of the wind would not exceed 40 miles an hour ; at 4 p.m. that the wind was from E. ½ N. at the rate of 29 miles an hour, that the centre was passing N.W. and West, but that preparations should be made for a fresh gale, though probably the velocity of the wind would be less ; and at 10 a.m. on the 27th. that the barometer was at 29.668 and rising, that the wind was from E. b. N. ½ N. at the rate of 24 miles an hour, and that there was no danger.

The island was not threatened by any cyclone in March.

(6). At 9 a.m. on the 24th of April the barometer (reduced to sea level) was at 30.063 with a light breeze from E. S. E. ½ S. and fine weather, and it gradually fell to 29.900 at 9 a.m, on the 27th with a moderate breeze from E.b.S. and fine weather.

This falling of the barometer and veering of the wind, with the sea beginning to make a noise on the reefs at N. Wrd., indicated the existence of a cyclonic disturbance away to the Nrd., and at 1.30 p.m. of the 27th I sent the following note to all the newspapers :—" Heavy weather to the Nrd. since the 24th." But as, since at least 1691, no severe gale had ever been experienced in Mauritius later than the 12th of April, while cyclones in the South Indian Ocean to the Nrd. of Mauritius in April. and even in May, were not unusual, no fear was entertained.

METEOROLOGICAL OBSERVATIONS.

At 9 a.m. on the 28th the barometer was at 29.905 (which was higher than at the same hour on the 27th) with the wind from N. E. b. E at the rate of 12.3 miles an hour, and at 9 p.m. at 29.850 with the wind from N. E. ½ E. at the rate of 14.5 miles an hour. On the morning of the 28th the weather was nearly calm, with much thunder and lightning, and there was also frequent lightning in the evening of the 28th. But no hurricane in Mauritius had ever been immediately preceeded by thunder and lightning.

From 3.15 p.m. on the 27th to 11 a.m. on the 29th I was not at the Observatory. I went on the 28th to my office at the Port Department in Port Louis where logbooks are being copied with the object of determining the tracks, &c., of the cyclones of the South Indian Ocean; and I told the Harbour Master and others that there was every indication of a cyclone away to the N. N. Wrd., but that, considering the lateness of the season, the direction of the wind, &c., it was not probable that it would pass near Mauritius, though a heavy sea might roll into the harbour on the following day.

In my absence on the 28th, the First Assistant despatched from the Observatory at 1 p.m. the following telegram in reply to a request from His Honor the Officer Administering the Government for a report on the weather:

"The barometer has fallen 0.150 inch since the 24th. and is still falling. The wind has veered from S.E. b. E. on the 25th. to N. E., which is its present direction, the velocity being 22 miles per hour. Lightning and thunder were observed from 7 p.m. last night up to 5.20 a.m., this morning, chiefly at N. Erd. The lower clouds are now coming from N. N. E. Since the 24th. there has been heavy weather North of the island. We are now under the influence of the N. E. Monsoon and there is no danger whatever."

As no danger was anticipated none of the Assistants staid at the Observatory during the night of the 28th. and 29th; but the second Assistant arrived there at 6 a.m. on the 29th., and at 9.55 a.m. he despatched the following telegram to His Honor the Officer Administering the Government:

"At 9 a.m. barometer (corrected and reduced to sea level) 29.576 and falling rapidly; since 6 a.m. it has fallen. 084 inch. Wind from E. N. E. ½ N. at the hourly rate of 40 miles. The disturbance, as indicated by the backing of the wind, is recurving and approaching the island. More details will be forwarded at noon."

The First Assistant arrived at the Observatory at 10.15 a.m. on the 29th. and at 10.25 a.m. he despatched the following telegram:

"At 9 a.m. barometer 29.756 and falling rapidly; wind from E.N.E. ½ N. 40 miles an hour. The disturbance has developed increased energy during the night and is approaching the island. This weather is quite exceptional, no gale having been recorded in Mauritius after the 10th. of April."

I left Moka at 9 a.m. on the 29th. and, a few minutes after my arrival at the Observatory at 11 a.m., sent telegrams to different parts of the island, stating that the barometer was at 29·338 and falling, that the wind was from N. E. b. E. at the rate of 52 miles an hour in the squalls and veering slowly to Northward, that telegrams would be sent hourly, that probably the velocity of the wind would not exceed 56 miles an hour, but that preparation should be made for a heavy gale.

The reasons why it was considered that the force of the wind would not exceed that of a strong to a whole gale were that Mauritius had never been visited by a hurricane after the 12th. of April, and that the wind was from N. Erd., which had never been regarded as a dangerous quarter at any season of the year, no hurricane having ever passed over the island from the N. Wrd. Not later than the 12th. of February (1892) the barometer fell to 29.354 with the wind from N.E., but the cyclone passed West and S.W. of the island, and the velocity of the wind did not exceed 48 miles an hour.

Another telegram was prepared for noon. But it was afterwards found that at about 11.30 a.m. all telegraphic communication had been interrupted.

The barometer continuing to fall at an accelerating rate and the wind to increase, the probability was that, contrary to long experience, the centre of the cyclone would pass over the island from the N. Wrd., and that the wind would then come from the S. Wrd.

The centre, however, did not pass over the Observatory. The wind there veered from N. E. to North, W. N. W., W. and W. S. W., increasing to an average velocity of 88.9 miles an hour from N. Erd. between 0.30 and 1.30 p.m., decreasing to 65.1 miles from North between 1.30 and 2.30 p.m., increasing a few miles from W. N. W. between 2.30 and 3.30 p.m., and then increasing rapidly to 103.3 miles from W.S.W. between 3.30 and 4.30 p.m., after which it decreased. There was thus a lull but no calm. At no time during the lull was the rate of the wind less than that of 34 miles an hour. As far as could be ascertained the greatest velocity of the wind for five minutes was at the rate of 121.2 miles from 3.46 to 3.51 p.m.

From noon to 2 p.m. the barometer fell from 29.062 to 27.990 and from 3 to 5 p.m. it rose from 28.028 to 29.073, the mercury oscillating considerably between 1.30 and 3.30 p.m. The lowest reading of the barometer (as shown by the barogram) was 27.956 at 3.12 p.m., which is the lowest on record in Mauritius.

After 5 p.m. the wind diminished rapidly and by 9 p.m., its velocity was at the rate of only 26 miles an hour, the barometer being then at 29.718, the weather fine, and stars shining brightly.

This cyclone of the 29th. April 1892, has been unprecedented in Mauritius with regard to time of year, direction and force of wind, and the suddenness, rapidity and extent of the changes which took place. Nearly all the loss of life and property was committed in less than two hours.

METEOROLOGICAL OBSERVATIONS.

The Cyclone was experienced at sea by the S. S. *Dunrobin Castle*, the Austrian barque *Nemirna*, the Swedish barque *St. Vincent*, and several other vessels.

There is no evidence, in the information obtained, of a hurricane till the 29th.

At noon on the 26th. there were signs of a cyclonic movement the centre of which was apparently in 11° 40'S. and 61° 12'E., and, as far as can be ascertained, it travelled thence on a S. Wly. course to 17° 15'S. and 55° 16'E. at noon of the 28th, and afterwards on a Sly. and S. Ely. course to 19° 50 S. and 56° 58'E. at noon on the 29th, its intensity increasing greatly on the morning of the latter day. After its centre had passed over Mauritius, it travelled rapidly to the S.Erd., with diminishing force, reaching 23° 26'S. and 64° 30'E. at noon on the 30th, beyond which it has not been traced.

On the 29th, when the centre was over Mauritius, the barometric gradient was very steep; at 3 p.m. the pressure was 28.028 inches, while at St Denis (about 120 miles to the W. S. Wrd) it was 29.437.

At Rodrigues the barometer fell from 30.050 at 9 a.m. on the 24th. to 29.897 at 3 p.m. on the 26th. and then rose to 29.950 at 9 a.m. on the 29th.

There was a very high sea at Réunion, but not much wind.

At St Brandon, from the 26th. to the 30th., the wind veered from East to N.E., North, N.W., West and W. S. W. in strong breezes, and the lowest reading of the barometer was 29.390.

(7) Captain Ellis, of the *Miako*, has reported that in March (the date is not given) the *Tamerlaine*, which arrived at the Cape on the 2nd. of April, experienced a terrible hurricane in 28° S. and 90° E."

(8) There were indications of cyclonic disturbances to the N. Erd. and Nrd. of Mauritius, from the 29th. to the 31st. of May, the *Invertay*, *Merle*, &c., experiencing on those days strong gales from S. E. to S. and S.W., with a terrible sea and heavy squalls and rain, in 15° to 18° S. and 71° to 52° E.

On the 17th. and 18th. of October the *Calcutta* in 15° S. and 86° E. experienced a storm from E.S.E. to S.E.b.S. with a mountainous sea; lost bulwarks. The barometer fell to 29.76. But from want of other observations it is not known whether there was a cyclone.

Forty four daily synoptic weather charts have been prepared, and the tracks of the cyclones of 1892 have been laid down as far as the data have permitted. The fullest possible details will be given.

It should be stated that the telegrams sent from the Observatory at 9.55 a.m. and 10.25 a.m. on the 29th. of April, to be forwarded from the Pamplemousses Station, did not reach their destination.

C. MELDRUM,
Director.

APPENDIX No. 1

TO

METEOROLOGICAL RESULTS

FOR THE YEAR 1892.

RAINFALL RETURNS—NOT HITHERTO PUBLISHED.

PAMPLEMOUSSES.

"Cachette," Montagne Longue. (*Thomas Blackburn*).

Months.	1886.		1887.		1888.		1889.		1890.		1891.		1892.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	3.43	16	12.47	23	9.94	22	14.91	27	2.31	12	6.02	16	5.27	22
February	4.80	16	10.03	24	12.93	18	7.86	15	20.28	21	8.56	15	8.98	22
March	4.73	15	10.61	29	11.30	18	13.61	29	38.55	26	13.68	22	4.69	17
April	6.38	18	3.47	19	4.01	15	3.51	21	11.95	16	7.99	17	9.65*	13
May	2.65	13	5.14	17	1.60	10	1.34	12	0.70	9	3.16	18	.....	...
June	1.20	16	3.09	16	2.91	19	1.50	9	4.23	16	4.18	19	.....	...
July	3.19	23	5.68	21	2.18	17	1.51	13	4.87	21	3.71	13	.....	...
August	0.65	1	2.06	19	4.23	16	3.09	20	3.37	17	2.34	10	.....	...
September	0.56	14	1.78	16	1.13	12	1.01	8	1.03	8	3.53	19	.....	...
October	2.97	19	3.96	13	1.16	9	1.10	9	4.91	13	2.32	10	.....	...
November	2.03	16	1.31	13	2.28	10	0.72	7	3.62	18	2.75	13	.....	...
December	4.40	17	4.35	20	11.53	22	1.97	10	4.26	14	3.62	15	.....	...
Totals	36.99	184	63.95	230	65.20	188	52.13	180	100.08	191	61.86	187	.....	...

* Quantity measured to the 28th. of April; on the 29th. the raingauge was blown away during the Cyclone.

MOKA.

Pailles, 175 feet above sea-level, 3 miles from Port Louis. (*H. A. de Luca.*)

Months.	1880.		1881.		1882.		1883.		1884.		1885.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	6.45	19	9.36	13	13.82	12	8.88	11	5.87	18	8.05	14
February	8.18	18	6.90	15	8.57	12	5.30	6	2.65	7	4.48	12
March	8.92	12	1.92	8	21.03	20	5.92	10	10.07	21	6.11	20
April	6.38	12	10.24	18	1.95	4	10.88	8	2.31	6	4.81	13
May	6.08	8	4.32	12	0.31	3	1.68	3	13.12	7	1.75	10
June	3.56	9	3.07	13	2.34	9	5.24	14	0.83	4	3.14	16
July	9.42	21	2.44	8	1.81	14	0.56	4	1.64	7	1.21	18
August	8.78	20	1.19	11	0.86	7	1.00	5	0.12	1	1.86	15
September	2.78	14	0.38	6	1.01	7	0.32	5	1.16	5	1.08	12
October	2.26	17	2.17	10	1.25	1	0.92	10	2.99	8	0.98	10
November	2.63	11	0.74	4	1.41	4	0.48	7	0.43	2	1.95	6
December	6.75	12	1.45	5	7.91	11	7.62	12	0.70	3	5.99	16
Totals	72.19	173	44.18	123	62.27	104	48.80	95	41.89	89	41.41	162

APPENDIX II.

TO

METEOROLOGICAL RESULTS

FOR THE YEAR 1892.

Result of Hourly Tabulations of the Thermograms for the years 1891 & 1892.

Table I.—Hourly and Monthly Means of the Temperature of the Air in the shade during the year 1891.

Hours.	January.*	February.†	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation +above −below means.	Hours.
	°	°	°	°	°	°	°	°	°	°	°	°			
0	75.3	75.7	72.8	72.5	67.9	66.2	63.4	63.9	67.2	68.4	70.8	73.8	69.8	−3.6	0
1	74.8	75.5	72.6	72.2	67·6	65.8	63.3	63.5	67.2	67.7	70.3	73.3	69.5	−3.9	1
2	74.8	75.2	72.2	71.9	67.2	65.6	62.7	63.3	67.0	67.5	69.9	73.0	69.2	−4.2	2
3	74.4	74.7	72.1	71.7	67.2	65.3	62.1	63.1	66.6	67.1	69.8	72.6	68.9	−4.5	3
4	74.4	74.4	71.9	71.6	67.2	65.2	62.2	62.7	66.3	67.0	69.6	72.0	68.7	−4.7	4
5	74.3	74.2	71.7	71.4	67.0	64.7	62.1	62.4	66.1	66.8	69.4	71.6	68.5	−4.9	5
6	73.9	74.1	71.7	71.4	66.8	64.4	61.9	62.2	66.0	67.3	70.8	72.7	68.6	−4.8	6
7	75.8	76.4	72.9	72.1	67.1	64.4	62.1	62.5	67.7	71.6	75.0	77.2	70.4	−3.0	7
8	78.2	79.5	76.6	74.9	70.6	67.9	65.3	66.7	71.7	75.2	77.6	80.4	73.7	+0.3	8
9	80.4	81.5	79.0	76.8	74.3	71.6	69.3	70.0	73.8	77.9	79.9	82.5	76.4	+3.0	9
10	82.3	83.0	80.5	78.1	76.0	73.7	71.1	72.0	75.6	79.3	81.7	84.3	78.1	+4.7	10
11	83.0	83.8	81.7	78.6	76.8	74.6	72.2	72.9	76.2	79.9	82.5	84 5	78.9	+5.5	11
12	83.4	83.8	82 1	79.2	77.7	75.1	72.9	73.9	76 6	80.7	83.3	85.0	79.5	+6.1	12
13	83.9	83.9	82.4	79.7	77.7	75.4	73.0	73.8	76.6	80.3	83.6	85.1	79.6	+6.2	13
14	83.1	83.8	82.1	79.4	77.3	74.9	73.1	73.9	76.3	80.0	83.2	85.0	79.3	+5.9	14
15	82.7	83.3	81.5	79.0	76.5	74.3	72.0	72.8	75.3	79.0	81.9	83.6	78.5	+5.1	15
16	81.9	82.2	80.7	78.1	75.6	73.2	71.1	71.9	74.1	77.7	81.1	83.0	77.5	+4.1	16
17	80.6	81.3	79.5	76.7	73.9	71.6	69.5	70.2	72.3	76.1	79.4	81.9	76.1	+2.7	17
18	79.1	80.0	77.8	75.1	71.4	69.4	67.5	67.9	70.3	74.0	76.9	80.0	74.1	+0.7	18
19	77.6	78.4	76.1	74.1	69.8	68.2	65.9	66.3	69.1	72.3	74.9	77.7	72·5	−0.9	19
20	77.1	77.4	75.1	73.5	69.1	67.5	65.2	65.5	68.6	71.2	73.8	76.5	71.7	−1.7	20
21	76.7	76.7	74.5	73.1	68.5	67.0	64.7	64.9	68.1	70.3	72.8	75.3	71.0	−2.4	21
22	76.4	76.1	74.1	72.8	68.1	66.9	64.0	64.8	67.9	69.7	72 1	74.8	70.6	−2.8	22
23	75.8	75.9	73.6	72.5	67.6	66.7	63.6	64.4	67.4	69.1	71.5	74.3	70.2	−3.2	23
Monthly means.	78.3	78.8	76.5	74.8	71.2	69.1	66.7	67.3	70.6	73.2	75.9	78.3	73.4		Monthly means.

* Means from 17th. to 30th. † Means for 26 days.

Table II.—Daily and Monthly Means of the Temperature of the Air in the shade during the year 1891.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°		
1	.....	80.0	77.4	75.2	72.0	67.1	65.6	65.3	69.4	70.8	75.4	78.2	1
2	.....	78.6	78.6	76.0	73.1	68.6	64.7	66.8	67.6	72.2	75.8	78.3	2
3	.....	79.4	79.1	76.2	73.2	68.2	66.2	65.1	68.2	72.3	76.7	77.4	3
4	.....	80.9	77.2	76.1	72.2	70.1	65.4	67.6	69.0	72.6	74.7	75.4	4
5	.....	77.8	75.4	75.8	72.3	70.3	67.5	67.9	69.1	72.8	76.0	77.0	5
6	.....	78.2	74.8	75.3	72.7	70.1	67.7	66.5	70.5	72.3	75.4	77.6	6
7	.....	79.1	76.8	75.2	74.7	71.0	65.4	65.8	71.5	72.6	74.3	78.5	7
8	.....	79.6	.....	75.6	73.7	69.2	66.2	63.8	69.9	73.0	76.1	78.9	8
9	.....	80.7	77.6	76.2	74.5	69.2	66.1	65.1	70.6	73.3	76.5	79.2	9
10	.....	80.2	78.4	75.3	75.3	69.6	64.5	66 3	70.6	72.1	75.1	78.9	10
11	.....	80.7	72.9	76.2	74.4	68.4	64.3	69.1	69.8	71.9	75.1	78.7	11
12	.....	80.1	75.8	76.0	72.5	69.0	66.9	67.0	68.8	71.9	73.0	78.5	12
13	.....	79.7	76.7	74.4	71.2	68.7	67.5	67.1	68.9	72.2	71.3	75.4	13
14	.....	79.9	77.4	74.4	72.3	67.7	66.9	68.2	70.6	71.3	73.0	73.7	14
15	.....	80.4	78.4	73.6	70.2	70.7	69.0	66.1	70.7	71.6	73.8	76.7	15
16	.....	79.7	78.9	75.2	71.4	68.8	69.8	64.5	70.4	72.8	77.5	78.1	16
17	78.4	.....	77.8	75.4	69.1	70.2	69.5	66.2	70.8	74.3	76.7	79.6	17
18	76.6	.....	78.7	76.3	70.0	69.0	68.3	68.1	70.5	71.7	76.9	78.7	18
19	76.8	75.0	76.3	76.6	71.1	68.9	68.7	68.7	70.4	72.1	77.1	78.8	19
20	79.7	76.3	77.3	74.0	70.0	69.3	67.1	67.9	70.6	73.7	76.8	79.2	20
21	78.8	77.5	76.4	71.8	71.0	69.9	67.8	67.2	71.7	73.0	75.6	79.6	21
22	77.3	78.1	.....	72.5	73.2	71.5	66.8	66.8	71.2	73.0	74.5	78.9	22
23	78.7	77.8	.....	74.4	73.4	71.1	66.7	67.4	71.6	73.3	74.9	78.0	23
24	78.1	79.4	72.1	74.9	70.5	71.0	67.7	67.3	72.3	74.1	76.4	79.3	24
25	78.1	76.5	74.1	73.8	67.0	67.8	66.9	68.3	71.6	75.2	77.0	80.6	25
26	77.5	76.6	73.6	73.6	67.6	68.0	65.9	68.7	72.0	74.6	78.0	82.2	26
27	76.8	78.1	74.0	75.6	67.6	67.4	64.5	67.7	72.4	74.8	78.2	81.4	27
28	79.2	78.2	75.2	73.5	68.6	68.2	63.4	70.0	71.9	75.4	78.7	77.9	28
29	79.8	.....	77.5	73.4	69.0	68.2	65.3	70.9	72.2	76.0	78.5	78.4	29
30	80.8	.....	75.2	72.6	67.7	67.1	68.2	69.8	72.6	75.7	78.3	75.1	30
31	.....	.....	77.2	.....	65.4	.....	66.1	69.5	.....	75.7	.....	80.2	31
Means...	78.3	78.8	76.5	74.8	71.2	69.1	66.7	67.3	70.6	73.2	75.9	78.3	Means.

Table III.—Daily Maximum Temperature in Thermograph Screen during the year 1891.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°		
1	.....	89.5	85.0	80.6	78.2	78.4	73.2	76.1	75.0	77.3	85.9	87.7	1
2	.....	86.9	85.2	81.4	79.3	77.3	74.0	73.9	74.7	78.8	86.0	87.2	2
3	.....	86.3	86.0	82.7	80.2	78.0	73.1	74.0	75.6	79.2	85.7	88.0	3
4	.....	88.3	85.5	81.1	79.0	76.4	72.6	78.2	75.3	79.3	83.5	84.4	4
5	.....	80.4	86.4	81.1	78.2	76.8	76.3	74.3	74.1	80.9	86.3	87.1	5
6	.....	80.3	84.7	80.7	79.0	76.1	75.4	73.1	76.8	81.6	85.0	86.8	6
7	.....	84.7	87.5	81.1	80.0	77.3	73.0	73.7	77.7	81.9	81.6	88.5	7
8	.....	83.7	.....	82.0	81.7	77.0	71.8	72.2	78.2	80.1	84.7	88.1	8
9	.....	86.8	87.8	83.0	80.5	76.4	72.7	73.6	77.1	81.3	86.7	87.6	9
10	.....	85.2	87.4	83.2	81.1	77.9	72.0	72.0	76.7	79.9	87.1	88.5	10
11	.....	86.7	76.4	82.1	80.4	78.3	73.0	75.7	76.1	79.7	87.1	88.2	11
12	.....	89.1	82.3	81.7	79.0	77.8	73.5	76.3	76.9	80.1	80.1	89.7	12
13	.....	87.0	82.5	79.4	78.0	78.0	74.0	76.0	77.1	79.4	78.6	82.2	13
14	.....	85.6	83.8	79.9	78.9	68.7	72.2	77.3	78.3	79.1	80.4	78.0	14
15	.....	86.6	84.7	78.9	78.7	77.1	75.2	75.1	78.1	82.6	81.0	85.0	15
16	.....	88.4	85.9	79.8	77.6	76.1	77.0	75.1	79.4	82.0	86.0	86.4	16
17	86.2	.....	83.9	82.0	75.9	75.4	75.0	74.4	77.1	84.0	85.0	87.6	17
18	86.9	.....	83.9	83.1	77.0	75.3	75.0	76.2	77.7	78.4	85.8	87.2	18
19	84.4	84.7	78.5	83.4	77.6	76.6	75.9	75.5	77.9	84.2	85.5	87.8	19
20	87.1	85.0	81.2	79.5	77.5	75.6	74.2	74.1	78.2	82.9	85.4	87.9	20
21	86.1	86.3	84.0	78.2	78.7	76.7	75.7	74.3	78.7	84.0	84.0	88.1	21
22	83.9	86.1	.....	79.3	79.8	77.8	72.1	73.7	79.0	83.6	84.5	88.5	22
23	85.5	86.5	.....	79.6	80.5	76.4	74.6	74.7	77.7	81.3	83.7	87.0	23
24	84.3	87.4	81.9	81.3	79.2	78.2	76.0	73.5	79.2	82.9	85.9	87.9	24
25	84.5	80.1	84.0	79.4	77.5	77.0	74.8	75.3	78.6	84.9	86.6	89.1	25
26	82.1	84.0	83.8	80.0	76.8	75.2	74.6	76.9	79.1	85.1	87.0	91.0	26
27	82.7	85.7	82.4	81.4	76.2	74.0	73.9	75.3	81.2	86.1	85.5	91.3	27
28	85.5	85.0	82.6	78.7	77.0	74.7	73.8	76.6	80.7	86.3	88.0	86.8	28
29	87.9	.....	83.5	78.8	76.7	74.7	72.8	79.3	83.0	86.8	88.8	85.8	29
30	89.9	.....	79.6	77.9	76.2	74.0	75.3	78.9	82.0	86.8	88.1	83.0	30
31	.....	.....	81.7	.....	76.9	.....	76.7	75.7	.....	86.9	.....	88.7	31
Means.	85.5	85.6	83.6	80.7	78.5	76.3	74.2	75.1	77.9	82.2	85.0	87.1	Means.

TABLE IV.

Daily Minimum Temperature in Thermograph Screen during the year 1891.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	.....	71.7	70.2	72.2	65.9	57.3	58.0	54.5	67.2	66.8	67.3	72.1	1
2	.....	72.3	72.7	72.4	68.1	62.0	55.1	62.4	59.3	66.6	66.7	71.0	2
3	.....	72.9	75.0	70.9	67.2	59.8	59.2	54.2	58.2	68.8	69.3	68.4	3
4	.....	76.2	71.6	72.6	67.2	65.9	58.5	61.5	66.6	68.3	67.7	68.2	4
5	.....	75.5	67.3	70.8	66.4	66.2	59.8	63.3	65.7	66.3	68.0	69.0	5
6	.....	76.3	66.8	72.1	66.4	65.2	60.2	61.7	66.4	64.3	68.7	67.3	6
7	.....	76.1	66.1	71.4	66.4	67.2	58.5	59.0	68.4	64.0	69.3	70.9	7
8	.....	77.9	.....	71.2	67.2	63.9	61.8	57.3	64.0	67.4	69.5	70.4	8
9	.....	76.7	68.2	71.8	69.3	63.0	62.0	56.3	65.0	66.8	67.4	72.9	9
10	.....	77.4	73.3	71.5	69.7	62.2	56.5	61.8	65.9	67.3	66.0	68.8	10
11	.....	75.6	71.3	72.4	70.3	61.7	56.8	63.4	63.4	64.9	65.0	71.3	11
12	.....	73.1	72.3	71.7	67.0	63.3	59.0	58.4	62.9	66.2	68.0	68.2	12
13	.....	74.3	71.9	71.7	66.1	60.4	62.0	62.4	63.4	68.0	64.0	72.2	13
14	.....	75.1	73.7	70.6	65.6	66.7	62.9	59.7	64.6	64.0	67.4	72.0	14
15	.....	76.4	72.2	70.1	60.5	66.2	65.4	56.6	63.9	61.2	69.1	71.5	15
16	.....	73.4	74.0	71.8	66.9	59.2	65.3	54.5	63.3	65.2	72.1	73.0	16
17	72.2	.....	73.7	70.3	63.1	67.5	66.0	58.1	66.5	66.0	70.0	73.0	17
18	65.9	.....	74.6	70.4	65.3	64.0	62.1	61.0	64.5	66.0	67.7	72.6	18
19	72.3	68.8	73.3	72.8	65.4	62.4	64.0	63.5	64.7	67.9	70.7	69.0	19
20	74.8	71.9	75.0	67.7	64.3	63.9	60.0	62.4	64.3	64.4	70.3	72.3	20
21	74.3	69.5	71.5	66.5	63.4	63.7	59.6	62.8	67.1	63.1	68.9	73.9	21
22	76.0	72.2	.....	65.2	66.8	66.9	63.6	62.0	64.0	61.6	65.3	70.5	22
23	75.4	68.6	.....	71.0	67.6	67.0	58.0	63.0	67.1	69.1	67.2	70.5	23
24	74.2	73.8	63.3	70.1	62.5	65.6	61.0	63.9	66.2	68.3	68.7	70.1	24
25	74.3	74.9	64.7	69.1	59.6	62.6	58.2	62.6	66.5	65.6	70.4	71.6	25
26	73.6	69.2	66.9	66.9	59.3	62.0	57.8	62.4	67.3	64.3	71.3	75.0	26
27	74.9	72.4	67.0	72.4	59.8	60.5	56.3	60.8	64.4	64.7	71.9	75.3	27
28	72.9	72.6	68.4	71.3	61.6	62.4	54.4	65.2	66.0	64.5	70.7	72.6	28
29	72.2		72.9	69.6	60.0	62.4	59.3	63.7	65.7	67.1	69.9	71.2	29
30	71.4		72.7	67.5	59.3	60.6	61.7	65.0	64.3	66.1	70.8	67.2	30
31	.....		72.9		56.1		57.5	63.2		66.7		71.1	31
Means ...	73.2	73.6	70.8	70.5	64.7	63.4	60.0	60.9	64.9	65.9	68.6	71.1	Means.

TABLE V.

Daily Range of Temperature in Thermograph Screen during the year 1891.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	.....	17.8	14.8	8.4	12.3	21.1	15.2	21.6	7.8	10.5	18.6	15.6	1
2	.....	14.6	12.5	9.0	11.2	15.3	18.9	11.5	15.4	12.2	19.3	16.2	2
3	.....	13.4	11.0	11.8	13.0	18.2	13.9	19.8	17.4	10.4	16.4	19.6	3
4	.....	12.1	13.9	8.5	11.8	10.5	14.1	13.7	8.7	11.0	15.8	16.2	4
5	.....	4.9	19.1	10.3	11.8	10.6	16.5	11.0	8.4	14.6	18.3	18.1	5
6	.....	4.0	17.9	8.6	12.6	10.9	15.2	11.4	10.4	17.3	16.3	19.5	6
7	.....	8.6	21.4	9.7	13.6	10.1	14.5	14.7	9.3	17.9	12.3	17.6	7
8	.....	5.8	16.7	10.8	14.5	13.1	10.0	14.9	14.2	12.7	15.2	17.7	8
9	.....	10.1	19.6	11.2	11.2	13.4	10.7	17.3	12.1	14.5	19.3	14.7	9
10	.....	7.8	14.1	11.7	11.4	15.7	15.5	10.2	10.8	12.6	21.1	19.7	10
11	.....	11.1	5.1	9.7	10.1	16.6	16.2	12.3	12.7	14.8	22.1	16.9	11
12	.....	16.0	10.0	10.0	12.0	14.5	14.5	17.9	14.0	13.9	12.1	21.5	12
13	.....	12.7	10.6	7.7	11.9	17.6	12.0	13.6	13.7	11.4	14.6	10.0	13
14	.....	10.5	10.1	9.3	13.3	2.0	9.3	17.6	13.7	15.1	13.0	6.0	14
15	.....	10.2	12.5	8.8	18.2	10.9	9.8	18.5	14.2	21.4	11.9	13.5	15
16	.....	15.0	11.9	8.0	10.7	16.9	11.7	20.6	16.1	16.9	13.9	13.4	16
17	14.0	15.4	10.2	11.7	12.8	7.9	9.0	16.3	10.6	18.0	15.0	14.6	17
18	21.0	.....	9.3	12.7	11.7	11.3	12.9	15.2	13.2	12.4	18.1	14.6	18
19	12.1	15.9	5.2	10.6	12.2	14.2	11.9	12.0	13.2	16.3	14.8	18.8	19
20	12.3	13.1	6.2	11.8	13.2	11.7	14.2	11.7	13.9	18.5	15.1	15.6	20
21	11.8	16.8	12.5	11.7	15.3	13.0	16.1	11.5	11.6	20.9	15.1	14.2	21
22	7.9	13.9	.....	14.1	13.0	10.9	8.5	11.7	15.0	22.0	19.2	18.0	22
23	10.1	17.9	.....	8.6	12.9	9.4	16.6	11.7	10.6	12.2	16.5	16.5	23
24	10.1	13.6	18.6	11.2	16.7	12.6	15.0	9.6	13.0	14.6	17.2	17.8	24
25	10.2	5.2	19.3	10.3	17.9	14.4	16.6	12.7	12.1	19.3	16.2	17.5	25
26	8.5	14.8	16.9	13.1	17.5	13.2	16.8	14.5	11.8	20.8	15.7	16.0	26
27	7.8	13.3	15.4	9.0	16.4	13.5	17.6	14.5	16.8	21.4	13.6	16.0	27
28	12.6	12.4	14.2	7.4	15.4	12.3	19.4	11.4	14.7	21.8	17.3	14.2	28
29	15.7		10.6	9.2	16.7	12.3	13.5	15.6	17.3	19.7	18.9	14.6	29
30	18.5		6.9	10.4	16.9	13.4	13.6	13.9	17.7	20.7	17.3	15.8	30
31	.....		8.8		20.8		19.2	12.5		20.2		17.6	31
Means.	12.3	12.1	12.9	10.4	13.8	12.9	14.1	14.2	13.0	16.3	16.3	16.1	Means.

METEOROLOGICAL OBSERVATIONS.

TABLE VI.

Comparison of the Means of the Standard Dry Bulb Thermometer Readings with the Means of the Thermograph Dry Bulb Readings for 9 and 15 hours, during the year 1891.

Months.	Thermograph			Standard		
	9 hrs.	15 hrs.	Means.	9 hrs.	15 hrs.	Means.
	°	°	°	°	°	°
February	81. 4	83. 2	82. 3	81. 5	83. 2	82. 3
March	79. 7	81. 3	80. 5	79. 7	81. 3	80. 5
April	76. 8	78. 7	77. 7	76. 8	78. 6	77. 7
May	74. 5	76. 7	75. 6	74. 4	76. 6	75. 5
June	71. 6	74. 7	73. 1	71. 6	74. 6	73. 1
July	69. 2	71. 8	70. 5	69. 1	71. 7	70. 4
August	70. 0	72. 6	71. 3	69. 9	72. 5	71. 2
September	73. 6	75. 3	74. 4	73. 5	75. 2	74. 3
October	78. 0	78. 9	78. 4	78. 0	78. 9	78. 4
November	79. 8	82. 0	80. 9	79. 8	82. 0	80. 9
December	82. 3	83. 3	82· 8	82. 4	83. 3	82. 8
Means	76.08	78.05	77.05	76.06	77.99	77.01

NOTE.—As there are only 12 days available for the above comparison in January, the observations for that month have not been included in the above table.

TABLE VII.

Hourly and Monthly Means of the Temperature of Evaporation during the year 1891.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation + above − below Means.	Hours.
	°	°	°	°	°	°	°	°	°	°	°	°			
0 ...	72.7	73.0	70.2	70.1	65.5	64.3	61.2	61.2	64.3	65.5	67.6	70.3	67.2	− 1.4	0
1 ...	72.2	72.8	70.1	70.0	65.4	63.8	61.0	60.9	64.3	65.0	67.2	70.2	66.9	− 1.7	1
2 ...	72.3	72.7	69.8	69.8	65.1	63.8	60.6	60.7	63.9	64.9	67.0	70.0	66.7	− 1.9	2
3 ...	72.0	72.4	69.8	69.7	65.1	63.5	60.2	60.5	63.6	64.6	67.0	69.8	66.5	− 2.1	3
4 ...	72.0	72.1	69.5	69.6	64.9	63.5	60.4	60.3	63.3	64.8	66.9	69.3	66.4	− 2.2	4
5 ...	71.9	71.8	69.3	69.4	64.7	63.1	60.3	59.9	63.2	64.7	66.8	69.1	66.2	− 2.4	5
6 ...	71.7	71.8	69.4	69.4	64.8	62.8	60.1	59.8	63.1	65.2	67.8	69.9	66.3	− 2.3	6
7 ...	73.1	73.5	70.5	69.9	65.0	62.8	60.2	60.0	64.2	67.9	69.9	72.2	67.4	− 1.2	7
8 ..	74.3	74.9	72.4	71.7	67.5	65.6	62.5	62.9	66.0	69.0	70.4	73.1	69.2	+ 0.6	8
9 ...	74.8	75.1	73.5	72.4	68.9	67.2	64.3	64.2	66.4	69.8	71.1	73.5	70.1	+ 1.5	9
10 ...	75.7	76.0	74.1	72.9	69.3	67.9	65.0	64.9	67.1	70.3	71.5	74.3	70.7	+ 2.1	10
11 ...	75.7	76.1	74.3	72.8	69.5	68.1	65.4	64.9	67.4	70.3	71.5	74.5	70.9	+ 2.3	11
12 ...	75.7	76.3	74.6	73.2	69.8	68.3	65.6	65.4	67.7	70.6	71.8	74.7	71.1	+ 2.5	12
13 ...	75.8	76.4	74.9	73.3	69.7	68.3	65.5	65.3	67.5	70.5	71.7	74.6	71.1	+ 2.5	13
14 ...	75.4	76.2	74.4	73.2	69.8	68.1	65.5	65.4	67.5	70.5	71.8	74.6	71.0	+ 2.4	14
15 ...	75.2	75.7	74.4	73.1	69.4	67.9	65.1	65.0	67.1	70.0	71.3	73.9	70.7	+ 2.1	15
16 ...	75.0	75.3	74.0	72.7	69.0	67.5	64.9	64.5	66.7	69.8	71.1	73.9	70.4	+ 1.8	16
17 ...	74.5	74.8	73.6	72.2	68.4	66.9	64.4	64.0	65.9	69.0	70.5	73.4	69.8	+ 1.2	17
18 ...	74.0	74.4	72.6	71.5	67.3	66.0	63.5	63.3	65.3	68.3	69.8	72.9	69.1	+ 0.5	18
19 ...	73.6	74.1	72.3	71.0	66.5	65.3	62.8	62.7	64.9	67.8	69.3	72.3	68.5	− 0.1	19
20 ...	73.6	73.9	71.7	70.7	66.1	64.9	62.2	62.3	64.9	67.2	69.0	71.8	68.2	− 0.4	20
21 ...	73.3	73.4	71.3	70.5	65.7	64.6	62.0	61.9	64.7	66.8	68.5	71.2	67.8	− 0.8	21
22 ...	73.2	73.2	71.0	70.4	65.5	64.6	61.6	62.0	64.5	66.4	68.1	71.0	67.6	− 1.0	22
23 ...	73.0	73.0	70.7	70.1	65.3	64.6	61.3	61.7	64.3	65.9	68.0	70.7	67.4	− 1.2	23
Monthly means.	° 73.8	° 74.1	° 72.0	° 71.2	° 67.0	° 65.6	° 62.7	° 62.7	° 65.3	° 67.7	° 69.4	° 72.1	68.6		Monthly means.

TABLE VIII.

Daily and Monthly Means of the Temperature of Evaporation during the year 1891.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	.....	74.0	72.4	72.7	67.8	63.5	61.6	60.6	65.9	67.5	68.6	72.0	1
2	.....	73.5	72.9	73.2	69.0	65.3	59.5	59.4	61.8	67.3	68.9	70.3	2
3	.....	74.3	73.3	73.2	69.2	64.8	62.1	59.5	61.7	67.2	69.8	69.4	3
4	.....	73.4	72.3	73.1	69.0	66.5	63.1	62.2	65.4	67.5	69.3	69.6	4
5	.....	73.6	70.9	72.9	68.1	65.5	64.5	62.7	63.0	67.2	69.9	70.3	5
6	.....	75.8	70.5	72.4	69.1	66.7	64.3	60.9	66.4	67.1	69.0	69.7	6
7	.....	75.3	71.1	71.8	68.2	66.5	61.9	60.5	66.9	67.7	68.6	71.0	7
8	.....	76.6	71.9	71.9	69.6	65.5	62.1	58.7	65.9	67.3	69.7	71.3	8
9	.....	77.0	71.9	72.9	70.2	65.1	62.0	60.7	65.4	67.3	70.0	72.0	9
10	.....	76.9	73.6	72.7	71.6	64.9	61.4	62.3	64.4	67.3	69.0	71.2	10
11	.....	77.2	71.4	72.5	72.0	65.4	60.3	64.3	64.0	66.4	68.5	71.4	11
12	.....	75.6	72.5	72.8	70.6	65.2	62.2	63.4	63.6	65.6	64.0	71.0	12
13	.....	73.5	72.7	71.8	68.5	65.3	63.3	64.7	63.4	67.0	62.1	71.2	13
14	.....	74.6	71.9	70.4	66.9	66.1	64.5	63.7	66.3	64.4	66.9	70.8	14
15	.....	74.3	74.1	71.0	65.2	66.5	65.4	60.4	65.5	65.8	71.1	72.2	15
16	72.7	73.3	75.4	71.5	64.6	65.4	66.1	59.1	65.1	67.0	72.3	73.7	16
17	71.8	72.4	74.5	71.7	64.4	66.8	64.6	61.3	67.9	67.9	71.4	74.4	17
18	68.8	*(71.6)	75.4	73.2	65.1	63.9	65.0	64.0	65.8	67.7	70.8	74.2	18
19	72.4	71.5	74.6	74.2	66.8	66.2	64.6	63 6	64.7	68.2	71.1	72.9	19
20	73.8	73.0	75.8	72.0	66.7	67.2	63.2	62.3	64.3	68.7	69.7	73.9	20
21	73.3	72.7	72.3	68.1	67.6	66.5	63.7	61.4	65.3	67.8	68.4	73.4	21
22	74.7	72.6	69.4	67.4	69.6	67.5	64.7	62.6	64.8	66.8	66.2	71.4	22
23	74.7	72.5	67.5	70.1	69.8	67.8	63.0	62.5	64.9	68.3	67.0	71.4	23
24	74.7	75.4	67.4	70.4	66.1	67.8	63.0	64.3	65.8	69.5	69.6	72.2	24
25	74.4	74.5	68.8	68.5	62.5	65.7	61.7	64.4	66.3	68.3	70.4	73.3	25
26	74.8	70.8	69.9	68.5	62.3	64.4	61.6	63.6	66.0	69.0	71.7	75.8	26
27	74.0	73.9	69.4	71.4	62.2	64.2	60.9	62.7	67.0	68.9	72.6	76.6	27
28	76.2	72.9	69.9	69.5	64.0	64.8	58.8	65.4	67 4	69.2	72.5	74.1	28
29	75.1		73.1	67.7	65.3	63.8	60.9	67.2	68.2	69.8	71.6	71.2	29
30	75.2		72.6	67.4	63.4	62.1	62.2	66.5	66.7	69.2	71.5	70.1	30
31	.....		74.0		61.1		62.2	66.6		68.8		73.9	31
Means.	73.8	74.1	72.0	71.2	67.0	65.6	62.7	62.7	65.3	67.7	69.4	72.1	Means.

* Mean at 6 and 15 hours.

METEOROLOGICAL OBSERVATIONS.

TABLE IX.

Comparison of the Means of the Wet Bulb Thermometer Readings with the Means of the Thermograph Wet Bulb Readings for 9 and 15 hours during the year 1891.

Months.	Thermograph.			Standard.		
	9 hrs.	15 hrs.	Means.	9 hrs.	15 hrs.	Means.
	°	°	°	°	°	°
February	74. 9	75. 9	75. 4	75. 0	76. 0	75. 5
March	73. 8	74. 4	74. 1	73. 9	74. 6	74. 2
April	72. 1	72. 6	72. 3	72. 1	72. 7	72. 4
May	68. 9	69. 6	69. 2	68. 9	69. 7	69. 3
June	67. 3	67. 9	67. 6	67. 2	67. 9	67. 5
July	64. 3	65. 0	64. 6	64. 3	65. 0	64. 6
August	64. 7	65. 1	64. 9	64. 8	65. 0	64. 9
September	66. 6	67. 1	66. 8	66. 5	67. 0	66. 7
October	69. 9	69. 9	69. 9	69. 8	69. 7	69. 7
November	71. 2	71. 3	71. 2	71. 2	71. 1	71. 1
December	73. 7	73. 3	73. 5	73. 8	73. 3	73. 5
Means	69.76	70.19	69.95	69.77	70.18	69.95

TABLE X.

Hourly and Monthly Means of the Relative Humidity during the year 1891.

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	86.0	85.5	86.0	87.0	85.6	88.8	87.2	84.7	83.5	83.5	82.0	81.5	85.1	+ 8.7	0
1	86.0	85.5	86.5	88.0	86.8	88.0	86.5	84.9	83.5	83.8	82.5	83.5	85.5	+ 9.1	1
2	86.5	86.5	87.0	88.3	87.4	89.2	87.4	84.7	82.5	85.0	83.5	84.0	86.0	+ 9.6	2
3	87.0	87.5	87.5	88.7	87.4	89.2	88.6	84.5	83.0	85.5	84.0	85.0	86.5	+ 10.1	3
4	87.0	87.5	86.5	88.6	86.5	89.8	89.2	85.6	83.0	87.0	84.5	85.5	86.7	+ 10.3	4
5	87.0	87.0	86.3	88.4	86.5	90.4	89.2	85.4	83.5	88.2	85.0	85.5	86.9	+ 10.5	5
6	88.0	87.5	86.9	88.4	88.8	90.8	89.2	85.8	83.5	87.4	83.0	85.0	87.0	+ 10.6	6
7	85.5	84.5	87.0	88.0	87.4	90.8	88.6	85.0	80.5	79.5	73.6	75.2	83.8	+ 7.4	7
8	79.7	77.5	78.6	83.0	82.5	86.2	84.0	79.0	70.2	69.2	66.2	65.8	76.8	+ 0.4	8
9	72.6	70.4	73.9	77.8	72.4	76.0	73.3	69.8	64.4	63.5	60.7	60.5	69.5	— 6.9	9
10	69.6	68.0	69.4	73.8	68.2	70.8	68.6	64.6	60.6	59.3	55.9	57.0	65.5	— 10.9	10
11	66.8	65.2	66.4	71.8	65.8	68.0	66.2	61.0	60.0	57.5	54.0	57.0	63.3	— 13.1	11
12	65.6	66.0	66.1	71.0	64.1	66.8	63.8	60.9	60.0	55.7	52.5	57.1	62.5	— 13.9	12
13	64.5	66.0	66.4	69.4	63.7	65.6	64.0	60.8	59.2	56.6	51.3	56.5	62.0	— 14.4	13
14	65.3	65.6	65.3	70.2	65.3	66.8	63.7	60.9	60.1	57.5	52.8	56.8	62.5	— 13.9	14
15	66.0	65.9	67.6	71.4	66.6	68.4	65.4	61.8	61.5	59.0	49.2	57.9	63.4	— 13.0	15
16	68.4	68.4	68.2	73.4	67.6	71.2	68.2	63.4	64.4	64.1	56.1	59.7	66.1	— 10.3	16
17	70.6	70.0	71.4	77.2	72.4	75.1	73.0	68.2	67.4	66.6	59.8	62.9	69.5	— 6.9	17
18	74.6	72.6	74.2	81.1	77.5	81.0	78.0	75.0	73.3	71.2	66.6	66.6	74.3	— 2.1	18
19	79.6	77.9	80.1	83.5	81.5	83.5	82.5	80.0	77.1	76.8	71.9	73.4	79.0	+ 2.6	19
20	81.6	81.9	82.1	85.0	83.0	85.0	83.0	82.0	79.5	78.0	75.8	76.2	81.1	+ 4.7	20
21	82.0	82.5	83.0	86.0	84.0	86.0	84.5	82.9	81.0	80.5	78.3	78 8	82.5	+ 6.1	21
22	83.0	84.5	83.5	87.0	85.0	87.1	85.6	84.0	81.0	81.5	79.1	80.0	83.4	+ 7.0	22
23	85.0	84.5	84.5	87.0	86.2	88.1	86.8	84.2	82.5	82.0	80.5	81.0	84.4	+ 8.0	23
Monthly Means ...	77.8	77.4	78.1	81.4	78.4	80.9	79.0	75.8	73.5	73.3	69.5	71.3	76.4		Monthly Means.

TABLE XI.

Daily and Monthly Means of the Relative Humidity during the year 1891.

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	.....	71.0	75.0	86.5	78.0	80.0	78.0	74.5	80.5	81.5	66.8	70.2	1
2	.....	74.6	72.2	85.0	78.6	81.5	71.7	62.4	69.0	74.7	66.4	63.3	2
3	.....	74.9	71.8	84.0	79.2	81.0	77.5	70.1	66.0	73.8	67.4	63.4	3
4	.....	65.0	75.4	84.0	83.0	80.0	86.2	71.0	80.0	74.1	72.7	70.8	4
5	.....	78.8	76.9	84.5	78.3	74.3	83.0	72.0	67.6	71.8	70.6	68.2	5
6	.....	87.0	77.5	84.5	81.0	81.0	81.0	70.5	77.5	73.3	68.4	64.0	6
7	.....	81.1	72.2	87.0	68.0	75.5	80.5	71.5	75.5	75.1	71.2	65.5	7
8	.....	85.0	.....	85.5	79.2	79.5	77.5	72.5	78.0	71.2	69.4	65.5	8
9	.....	81.5	72.2	82.7	77.5	77.5	77.5	76 0	72.6	70.0	65.0	66.2	9
10	.....	83.7	75.8	86.0	80.8	75.1	81.9	78.0	68.2	75.1	69.6	65.1	10
11	.....	82.5	91.9	80.7	87.0	83.0	77.0	74.1	69.8	71.4	67.6	66.5	11
12	.....	77.6	82.5	83.0	89.5	79.0	74.5	80.0	72.0	67 8	58.0	65.5	12
13	.....	70.2	79.7	86.0	84.5	81.0	77.0	86.0	70.5	73.2	56.5	78.4	13
14	.....	74.4	73.0	79.0	72.3	90.4	86.5	75.5	76.5	65.4	69.6	84.5	14
15	.....	70.6	77.9	86.0	73.2	77.0	80.0	69.6	72.7	69.8	85.5	77.2	15
16	.....	69.4	81.5	80.7	65.8	81.0	79.5	70.5	71.9	70.8	74.2	77.4	16
17	69.0	.....	82.5	80.9	74.6	81.0	74.0	73.7	83.5	68.4	73.8	74.6	17
18	64.4	.....	82.5	83.5	73.5	72.5	81.5	77.5	75.0	78.0	70.6	77.2	18
19	77.8	81.5	90.5	87.0	76.6	83.8	77.5	72.5	70.2	79.6	71.0	71.4	19
20	71.4	82.5	91.5	89.0	81.5	87.7	78.5	70.0	67.8	74.7	66.6	73.8	20
21	73.0	75.8	78.9	79.5	81.0	81.0	77.5	69.0	67.4	73.2	6[illegible].2	70.2	21
22	86.0	73.0	.....	74.0	81.2	78.0	88.2	77.0	67.4	69.2	60.8	65.9	22
23	79.7	73.8	.....	77.5	81.4	81.5	79.5	73.5	66.2	75.3	62.4	68.6	23
24	82.1	80.4	75.6	76.5	76.0	82.0	74.5	83.0	67.0	75.6	67.8	66.6	24
25	80.6	89.0	72.8	73.3	75.5	87.4	72.9	78.5	72.1	66.4	68.6	65.8	25
26	85.5	71.8	81.1	74.1	71.5	80.0	76.5	72.5	69.0	71.6	69.8	70.4	26
27	85.0	78.2	76.0	78.6	71.0	82.0	79.0	73.0	72.4	70.4	72.6	76.8	27
28	85.0	73.8	72.8	79.5	75.0	81.0	74.4	75.0	75.5	69.2	70.2	80.0	28
29	77.3		77.5	71.2	79.5	76.0	73.5	79.5	79.2	70.2	67.9	66.6	29
30	72.8		86.0	73.6	76.5	73 0	68.0	81.5	70.1	68.0	68.1	74.1	30
31	.....		83.0		76.5		78.5	83.5		66.4		69.8	31
Means.	77.8	77.2	78.8	81.4	77.7	80.1	78.2	74.6	72.4	72.1	68.5	70.4	Means.

TABLE XII.

Hourly and Monthly Means of the Dew Point during the year 1891.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation + above − below means.	Hours.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
0	70.8	71.1	68.3	68.3	63.6	62.8	59.4	59.0	62.0	63.2	65.2	67.7	65.1	− 0.1	0
1	70.3	70.9	68.2	68.4	63.6	62.2	59.1	58.7	62.0	62.8	64.8	67.9	64.9	− 0.3	1
2	70.5	70.1	68.0	68.1	63.4	62.4	58.8	58.5	61.4	62.8	64.7	67.8	64.7	− 0.5	2
3	70.2	70.7	68.1	68.1	63.4	62.1	58.6	58.3	61.2	62.6	64.8	67.7	64.6	− 0.6	3
4	70.2	70.4	67.6	68.0	63.1	62.1	58.9	58.3	60.9	63.0	64.7	67.2	64.5	− 0.7	4
5	70.1	70.2	67.4	67.9	62.9	61.8	58.8	57.7	60.9	63.0	64.7	67.2	64.4	− 0.8	5
6	70.1	70.1	67.6	67.9	63.2	61.5	58.6	57.8	60.8	63.5	65.6	67.8	64.5	− 0.7	6
7	71.2	71.5	68.7	68.2	63.3	61.5	58.6	57.9	61.4	65.0	66.2	68.7	65.2	0.0	7
8	71.6	71.8	69.5	69.4	65.2	63.8	60.2	59.9	61.7	64.6	65.4	68.1	65.9	+ 0.7	8
9	71.0	70.8	69.7	69.3	64.9	63.9	60.4	59.7	61.0	64.1	65.1	67.5	65.6	+ 0.4	9
10	71.3	71.3	69.8	69.3	64.5	63.6	60.3	59.5	61.0	64.1	64.6	67.7	65.6	+ 0.4	10
11	70.8	71.0	69.4	68.8	64.4	63.3	60.3	58.9	61.2	63.8	64.1	67.9	65.3	+ 0.1	11
12	70.6	71.3	69.6	69.1	64.3	63.4	60.1	59.1	61.4	63.8	64.1	68.0	65.4	+ 0.2	12
13	70.4	71.4	69.9	68.9	64.1	63.2	60.0	59.0	61.1	63.9	63.8	67.9	65.3	+ 0.1	13
14	70.3	71.2	69.2	69.0	64.5	63.1	59.9	59.1	61.3	64.0	64.2	67.8	65.3	+ 0.1	14
15	70.2	70.6	69.6	69.1	64.4	63.2	59.9	59.1	61.2	63.8	64.2	67.5	65.2	0.0	15
16	70.4	70.7	69.5	68.9	64.3	63.3	60.2	58.9	61.3	64.3	64.3	67.8	65.3	+ 0.1	16
17	70.4	70.4	69.6	69.0	64.3	63.4	60.5	59.3	61.1	63.9	64.4	67.7	65.3	+ 0.1	17
18	70.5	70.6	69.0	68.9	64.2	63.4	60.3	59.7	61.4	64.1	64.7	68.0	65.4	+ 0.2	18
19	70.8	71.1	69.6	68.7	63.9	63.0	60.3	59.8	61.6	64.4	65.2	68.5	65.6	+ 0.4	19
20	71.1	71.4	69.2	68.6	63.8	62.8	59.7	59.7	61.9	64.2	65.4	68.5	65.5	+ 0.3	20
21	70.9	71.1	69.0	68.6	63.5	62.7	59.7	59.4	62.0	64.1	65.3	68.2	65.4	+ 0.2	21
22	71.0	71.2	68.7	68.6	63.4	62.8	59.6	59.7	61.8	63.8	65.1	68.2	65.3	+ 0.1	22
23	71.0	71.0	68.6	68.3	63.5	62.9	59.4	59.4	61.8	63.4	65.3	68.1	65.2	0.0	23
Monthly Means.	70.7	70.9	68.9	68.6	63.9	62.8	59.6	59.0	61.4	63.8	64.8	67.9	65.2	.....	Monthly Means.

TABLE XIII.

Daily and Monthly Means of the Dew Point during the year 1891.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
		°	°	°	°	°	°	°	°	°	°	°	
1 ...	.....	69.9	68.9	70.9	64.6	60.6	58.3	56.7	63.2	65.0	63.7	67.7	1
2 ...	.....	70.0	69.0	71-2	66.1	62.7	55.2	53.4	57.2	63.6	64.0	64.7	2
3 ...	.....	70.8	69.3	71.1	66.2	62.0	58.8	54.9	56.6	63.3	64.9	63.8	3
4 ...	.....	68.3	68.9	71.0	66.6	63.7	61.3	57.9	62.6	63.7	65 3	65.4	4
5 ...	.....	70.7	67.7	70.9	65.0	61.8	62.1	58.6	58.2	63.0	65.5	65.6	5
6 ...	.....	74.1	67.4	70.3	66.4	64.1	61.6	56.4	63.3	63.2	64.4	64 2	6
7 ...	.....	72.7	67.1	69.3	63.4	63.1	59.0	56.2	63.5	64.0	64.4	65.8	7
8 ...	.....	74.5	.....	69.2	66.6	62.6	58.8	54.4	62.8	63.1	65.1	66.1	8
9 ...	.....	74.5	67.9	70.6	67.1	61.9	58.7	57.1	61.4	62.9	65.4	67.1	9
10 ...	.....	74.7	70.3	70.8	68.9	61.3	58.8	59.1	59.7	63.6	64.6	65.9	10
11 ...	.....	74.8	70.3	69.9	70.2	63.0	57.0	60.6	59.5	62.3	63.8	66.4	11
12 ...	.....	72.5	70.1	70.6	69.2	62.3	58.4	60.5	59.5	60.8	57.3	65.8	12
13 ...	.....	69.3	69.9	69.9	66.4	62.6	60.0	62.8	59.1	63.1	55.2	68.2	13
14 ...	.....	71.0	68.0	67.5	62.8	65.6	62.6	60.1	63.0	59.2	62.4	68.7	14
15 ...	.....	70.2	71.1	69.1	61.3	63.3	62.6	55.8	61.5	61.4	69.1	69.0	15
16 ...	.....	68.9	73.0	68.8	59.4	62.7	63.2	54.6	61.0	62.6	68.7	70.6	16
17 ...	67.2	.....	72.2	69.0	60.7	64.2	60.8	57.4	65.8	63.2	67.7	70.9	17
18 ...	63.3	.....	73.2	71.0	61.3	59.9	62.4	60.7	62.2	64.6	66.5	71.1	18
19 ...	69.3	68.9	73.4	72.5	63.6	64.0	61.3	59.6	60.3	65.3	66.9	68.8	19
20 ...	69.8	70.7	74.7	70.5	64.2	65.5	60.1	57.9	59.5	65.0	64.7	70.3	20
21 ...	69.5	69.3	69.4	65.2	65.0	63.8	60.5	56.8	60.4	64.0	63.3	69.2	21
22 ...	72.9	68.8	.....	63.6	66.9	64.4	63.0	59.2	59.8	62.2	60.2	66.2	22
23 ...	72.0	68.8	.....	67.0	67.2	65.3	60.0	58.6	59.8	64.9	61.3	66.8	23
24 ...	72.3	72.7	63.8	67.1	62.7	65.4	59.3	61.9	60.9	66.1	64.8	67.3	24
25 ...	71.8	73.1	64.9	64.6	58.9	64.0	57.5	61.3	62.3	63.4	65.8	68.3	25
26 ...	72.9	66.7	67.2	64.7	58.1	61.5	58.0	59.6	61.5	64.9	67.3	71.5	26
27 ...	72.0	71.0	66.0	68.4	58.0	61.6	57.9	58.8	62.9	64.6	68.7	73.4	27
28 ...	74.1	69.2	66.1	66.5	60·3	62.1	54.9	61.8	64.0	64.8	68.2	71.4	28
29 ...	71.9		70.0	63.5	62.4	60.3	56.9	63.6	65.2	65.3	66.8	66.2	29
30 ...	71.4		70.7	63.5	60.0	58.1	57.5	63.9	62.3	64.5	66.8	66.5	30
31 ...			71.8		57.6	.....	59.1	64 3		63.9		69.6	31
Means.	70.7	71.0	69.4	68.6	63.8	62.8	59.5	58.9	61.3	63.6	64.8	67.8	Means.

TABLE XIV.

Hourly and Monthly Means of the Vapour Tension during the year 1891.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation + above − below means.	Hours.
	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	
0	.756	.761	.692	.692	.589	.572	.509	.500	.557	.581	.622	.680	.626	−.002	0
1	.743	.756	.691	.693	.590	.561	.502	.496	.557	.574	.615	.684	.622	−.006	1
2	.747	.741	.685	.690	.585	.564	.497	.492	.546	.574	.611	.680	.618	−.010	2
3	.741	.753	.686	.689	.585	.557	.492	.489	.541	.569	.613	.679	.616	−.012	3
4	.741	.745	.678	.687	.578	.559	.497	.487	.535	.578	.613	.667	.614	−.014	4
5	.739	.736	.673	.682	.574	.552	.495	.479	.534	.578	.612	.666	.610	−.018	5
6	.737	.738	.677	.682	.589	.547	.492	.478	.532	.587	.630	.681	.614	−.014	6
7	.764	.772	.703	.690	.583	.547	.492	.480	.546	.620	.646	.702	.629	+.001	7
8	.775	.780	.721	.720	.622	.593	.523	.516	.551	.609	.627	.688	.644	+.016	8
9	.760	.753	.728	.717	.617	.594	.524	.515	.537	.601	.618	.673	.636	+.008	9
10	.767	.766	.728	.716	.607	.591	.525	.511	.537	.599	.610	.679	.636	+.008	10
11	.753	.761	.717	.705	.605	.583	.525	.501	.539	.590	.599	.685	.630	+.002	11
12	.748	.767	.724	.712	.604	.585	.523	.505	.544	.591	.600	.687	.632	+.004	12
13	.745	.770	.731	.708	.600	.581	.518	.503	.538	.592	.593	.681	.630	+.002	13
14	.739	.766	.716	.709	.609	.579	.517	.505	.541	.595	.601	.683	.630	+.002	14
15	.738	.749	.724	.711	.605	.581	.517	.504	.541	.592	.600	.673	.628	.000	15
16	.743	.751	.721	.708	.602	.583	.522	.500	.543	.604	.603	.680	.630	+.002	16
17	.744	.744	.724	.710	.605	.585	.525	.505	.540	.595	.604	.678	.630	+.002	17
18	.747	.749	.709	.709	.601	.581	.525	.513	.547	.599	.615	.686	.632	+.004	18
19	.755	.763	.724	.703	.595	.577	.525	.515	.546	.606	.623	.698	.636	+.008	19
20	.764	.772	.717	.701	.589	.574	.514	.513	.556	.600	.628	.699	.636	+.008	20
21	.758	.762	.709	.699	.586	.571	.514	.509	.557	.601	.625	.693	.632	+.004	21
22	.758	.763	.703	.700	.586	.572	.512	.513	.553	.592	.619	.691	.630	+.002	22
23	.760	.758	.700	.692	.586	.575	.508	.509	.554	.582	.625	.688	.628	.000	23
Monthly means.	.751	.758	.708	.701	.595	.573	.512	.501	.545	.592	.615	.683	.628		Monthly means.

TABLE XV.

Daily and Monthly Means of the Vapour Tension during the year 1891.

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	.....	.732	.707	.757	.609	.531	.489	.462	.578	.618	.592	.678	1
2	.....	.734	.709	.765	.639	.570	.437	.409	.470	.589	.596	.612	2
3	.....	.755	.718	.761	.646	.559	.496	.431	.459	.584	.617	.593	3
4	.....	.693	.706	.759	.652	.593	.542	.482	.565	.591	.626	.628	4
5	.....	.752	.679	.753	.617	.554	.559	.491	.485	.578	.629	.630	5
6	.....	.844	.672	.743	.649	.600	.549	.455	.583	.581	.606	.601	6
7	.....	.805	.665	.719	.586	.578	.502	.453	.586	.598	.606	.635	7
8	.....	.856	.....	.706	.653	.566	.496	.425	.572	.579	.621	.641	8
9	.....	.854	.684	.748	.664	.552	.495	.467	.546	.575	.626	.663	9
10	.....	.859	.742	.756	.709	.540	.498	.501	.513	.590	.610	.637	10
11	.....	.863	.742	.731	.741	.577	.466	.526	.507	.563	.592	.648	11
12	.....	.800	.738	.747	.714	.558	.490	.529	.509	.536	.472	.635	12
13	.....	.716	.732	.732	.649	.568	.518	.573	.501	.578	.436	.691	13
14	.....	.759	.687	.674	.573	.629	.568	.520	.577	.503	.564	.702	14
15	.....	.738	.763	.712	.545	.583	.565	.445	.550	.546	.713	.710	15
16	.....	.708	.813	.707	.509	.570	.580	.427	.539	.571	.702	.751	16
17	.668	.....	.792	.711	.529	.602	.531	.471	.634	.581	.679	.756	17
18	.582	.....	.817	.760	.545	.541	.564	.532	.561	.611	.652	.762	18
19	.717	.710	.824	.802	.587	.598	.544	.510	.524	.623	.660	.706	19
20	.729	.751	.862	.748	.602	.628	.520	.481	.509	.619	.612	.740	20
21	.723	.718	.719	.624	.618	.593	.528	.463	.528	.597	.581	.713	21
22	.810	.704	.....	.589	.661	.607	.577	.505	.518	.561	.522	.645	22
23	.785	.705	.....	.661	.666	.624	.518	.494	.516	.618	.542	.657	23
24	.795	.804	.594	.666	.572	.624	.505	.555	.536	.643	.613	.669	24
25	.781	.815	.616	.610	.499	.598	.476	.543	.563	.584	.635	.694	25
26	.808	.656	.666	.613	.485	.548	.485	.510	.547	.616	.669	.772	26
27	.787	.759	.641	.696	.482	.550	.482	.496	.576	.610	.703	.823	27
28	.845	.715	.643	.653	.524	.558	.433	.555	.597	.613	.691	.771	28
29	.783		.735	.587	.562	.524	.465	.605	.622	.626	.658	.644	29
30	.771		.753	.588	.519	.485	.474	.595	.563	.608	.657	.652	30
31			.779		.476		.501	.603		.594		.725	31
Means.	.756	.762	.721	.703	.596	.574	.511	.500	.544	.590	.616	.683	Means.

TABLE XVI.

Hourly and Monthly Means of the Temperature of the Air in Shade during the year 1892.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation + above — below Means.	Hours.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
0 ...	76.4	76.6	74.5	73.9	70.7	68.6	64.6	65.6	65.6	67.0	70.6	73.7	70.6	— 3.6	0
1 ...	75.9	76.4	74.1	73.6	70.4	68.1	64.5	65.4	65.5	66.6	70.0	73.0	70.3	— 3.9	1
2 ...	75.7	76.2	74.0	73.2	70.5	67.9	64.1	65.2	65.1	66.0	69.7	72.4	70.0	— 4.2	2
3 ...	75.3	75.9	73.6	72.8	70.2	67.9	63.8	65.1	64.8	65.9	69.2	72.0	69.7	— 4.5	3
4 ...	75.2	75.7	73.5	72.6	69.6	67.7	63.7	65.0	64.9	65.6	69.2	71.6	69.5	— 4.7	4
5 ...	75.0	75.5	73.4	72.4	69.1	67.7	64.0	64.7	64.5	65.4	68.3	71.1	69.3	— 4.9	5
6 ...	75.1	75.2	73.4	72.4	68.8	67.6	63.9	64.6	64.5	66.1	70.2	72.3	69.5	— 4.7	6
7 ...	77.5	76.8	74.4	73.3	69.4	67.6	64.2	65.6	66.7	70.8	74.8	77.2	71.5	— 2.7	7
8 ...	80.7	79.4	77.9	77.2	74.1	70.6	68.0	69.6	70.1	73.8	77.3	79.7	74.9	+ 0.7	8
9 ...	82.2	81.3	79.8	79.7	76.8	72.9	70.9	72.4	72.1	75.8	79.0	81.2	77.0	+ 2.8	9
10 ...	84.0	82.4	81.7	81.7	78.3	74.8	72.6	73.7	73.5	77.4	80.5	82.6	78.6	+ 4.4	10
11 ...	84.7	83.6	82.7	82.6	79.2	75.4	73.5	74.7	74.2	78.2	81.7	83.7	79.5	+ 5.3	11
12 ...	85.0	84.1	83.1	83.3	79.9	76.1	74.5	75.6	74.8	78.9	82.6	84.1	80·2	+ 6.0	12
13 ..	85.4	84.1	82.7	83.5	79.5	75.8	74.4	75.3	74.8	78.7	82.5	84.5	80.1	+ 5.9	13
14 ...	85.2	84.0	82.9	83.0	79.6	75.4	74.3	75.0	74.5	78.8	82.8	84.3	80.0	+ 5.8	14
15 ...	84.7	83.6	82.2	81.6	78.6	74.8	73.4	74.4	73.9	78.0	81.5	83.7	79.2	+ 5.0	15
16 ...	84.5	83.1	81.6	80.8	77.6	74.3	72.3	73.3	72.6	76.9	80.1	83.0	78.3	+ 4.1	16
17 ...	83.1	81.8	80.3	79.7	75.7	72.3	70.4	71.6	71.0	75.1	78.2	81.7	76.7	+ 2.5	17
18 ...	81.5	80.5	78.8	78.0	73.7	70.6	68.0	69.4	69.0	72.8	76.3	80.0	74.9	+ 0.7	18
19 ...	79.5	78.9	77.1	76.7	72.6	69.7	66.8	68.0	67.5	71.2	74.3	77.9	73.3	— 0.9	19
20 ...	78.4	78.2	76.2	75.9	71.8	69.4	66.2	67.2	66.9	69.8	72.9	76.7	72.5	— 1.7	20
21 ...	77.7	77.8	75.5	75.3	71.7	69.2	65.6	66.5	66.4	68.9	72.1	75.7	71.9	— 2.3	21
22 ...	77.2	77.3	75.1	74.9	71.3	68.9	65.2	66.2	66.1	68.2	71.6	74.9	71.4	— 2.8	22
23 ...	76.6	77.1	74.7	74.4	71.0	68.7	64.6	65.7	65.8	67.5	71.0	74.2	70.9	— 3.3	23
Monthly means.	79.9	79.4	77.6	77.2	73.8	70.9	68.0	69.2	69.0	71.8	75.3	78.0	74.2		Monthly means.

TABLE XVII.

Daily and Monthly Means of the Temperature of the Air in Shade during the year 1892.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	80.5	80.4	78.3	77.6	73.1	72.7	70.8	67.8	65.4	70.1	73.2	77.4	1
2	79.3	80.9	79.5	78.4	74.9	72.5	69.9	66.7	65.9	70.3	74.3	78.5	2
3	80.1	80.5	78.9	78.9	75.8	72.5	70.1	69.3	67.1	70.8	74.5	78.6	3
4	78.6	80.2	78.9	78.5	74.4	73.1	70.1	69.7	68.0	70.6	74.9	76.6	4
5	79.8	79.5	77.3	78.0	73.6	72.1	68.8	70.4	66.2	69.9	74.6	78.4	5
6	80.3	79.1	77.0	77.1	73.6	73.5	67.4	69.5	66.9	70.8	74.9	79.8	6
7	80.5	80.1	79.0	77.1	73.6	73.2	68.4	68.3	68.4	72.7	75.0	76.4	7
8	79.5	79.6	80.2	76.6	72.7	72.9	68.1	68.4	70.2	70.6	73.7	77.4	8
9	80.1	79.7	78.0	75.9	73.1	71.2	67.5	71.2	70.9	71.7	73.8	76.4	9
10	80.9	79.8	77.7	76.6	74.1	72.3	68.1	70.2	70.5	71.2	74.0	76.8	10
11	81.0	76.6	77.7	73.0	75.2	70.7	66.8	69.5	70.8	70.8	74.2	79.2	11
12	81.3	75.0	77.2	75.0	76.8	69.9	66.1	70.0	70.3	71.7	75.3	78.2	12
13	79.0	76.8	79.0	76.3	75.8	[illegible]	65.5	70.2	70.1	71.8	75.9	78.8	13
14	79.5	78.6	79.1	77.8	75.2	[illegible]	68.0	70.2	68.9	72.6	75.9	77.7	14
15	79.5	79.7	78.6	77.7	74.9	71.2	67.8	70.6	70.7	71.8	74.7	77.8	15
16	79.9	77.7	78.7	76.2	74.4	72.0	69.1	70.8	69.2	70.5	72.3	76.7	16
17	80.4	80.4	75.4	76.2	74.4	72.0	68.8	68.7	70.0	72.2	73.7	78.2	17
18	80.8	78.3	73.5	77.3	74.5	70.3	66.7	70.1	69.2	72.1	74.3	79.2	18
19	78.8	78.6	75.5	78.3	74.3	69.5	69.8	70.4	69.5	71.6	75.1	78.0	19
20	77.2	78.4	78.6	77.9	74.2	68.9	70.8	68.3	68.6	72.6	76.1	78.4	20
21	77.8	79.1	77.5	76.6	74.4	68.1	68.4	67.7	67.7	70.5	74.1	77.2	21
22	80.2	79.6	77.7	76.6	73.9	68.5	67.9	68.6	67.9	69.7	75.0	78.0	22
23	78.4	80.3	77.5	76.4	74.5	69.1	65.4	66.9	68.6	70.4	75.2	78.3	23
24	79.6	79.7	77.4	76.5	73.7	70.0	66.0	67.7	69.1	71.1	76.5	78.0	24
25	81.0	80.3	76.7	77.2	71.9	70.1	65.3	69.9	69.5	73.8	77.3	77.6	25
26	80.4	81.2	76.8	78.2	72.6	69.9	65.5	69.6	68.8	74.8	79.3	78.5	26
27	79.1	80.2	77.4	80.4	71.1	70.4	65.8	69.9	69.4	74.4	76.1	77.9	27
28	80.7	80.7	77.2	79.1	70.9	70.4	69.9	68.3	70.2	74.5	78.1	78.4	28
29	80.5	81.2	77.1	.....	71.9	70.0	69.4	68.4	70.4	72.4	77.6	79.2	29
30	80.3		77.0	.....	71.8	70.2	68.5	68.3	70.2	74.1	78.1	78.5	30
31	80.6		76.8		71.0		68.7	68.2		74.4		77.9	31
Means.	79.9	79.4	77.6	77.2	73.8	70.9	68.0	69.2	69.0	71.8	75.3	78.0	Means.

TABLE XVIII.

Daily Maximum Temperature in the Thermograph Screen during the year 1892.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	87.8	87.1	84.1	85.6	79.7	77.3	77.1	76.1	72.2	78.1	82.0	86.5	1
2	86.2	88.3	86.2	86.1	81.1	78.4	75.2	75.6	72.9	77.5	83.6	86.0	2
3	86.7	87.9	84.6	86.5	83.4	77.1	76.1	77.3	74.8	79.0	83.2	88.8	3
4	83.8	87.4	86.9	85.1	81.9	78.8	76.5	78.1	76.5	80.3	83.4	87.0	4
5	86.1	86.0	85.6	85.1	79.7	79.2	76.0	76.8	75.8	80.9	84.4	89.5	5
6	88.1	85.4	81.3	84.6	80.6	78.6	75.6	78.2	73.2	80.8	84.0	89.1	6
7	88.0	85.9	87.1	85.0	79.8	79.2	76.0	78.3	74.0	80.5	84.1	84.2	7
8	88.5	86.5	88.0	84.6	79.8	78.0	74.6	78.0	75.6	80.5	83.0	85.4	8
9	90.5	85.6	81.9	84.5	80.5	74.5	75.5	78.8	77.3	81.1	82.6	85.9	9
10	89.8	84.4	84.9	84.1	81.9	79.0	76.0	77.1	76.5	80.3	82.0	86.5	10
11	88.9	79.0	85.5	75.5	82.1	76.7	74.6	77.3	77.0	79.5	83.0	88.5	11
12	89.4	76.0	86.0	80.8	84.3	76.1	76.0	76.7	77.7	80.0	83.0	85.2	12
13	84.4	81.5	86.9	82.0	83.2	78.0	74.1	78.1	78.0	80.0	83.5	85.6	13
14	84.0	82.9	86.6	84.5	81.3	78.0	72.8	77.9	74.0	79.4	81.9	85.0	14
15	84.2	86.8	85.2	85.5	80.5	77.7	75.0	78.5	77.3	78.0	82.1	84.8	15
16	86.4	84.0	85.0	86.1	80.1	79.7	76.0	78.1	75.8	78.0	79.8	84.0	16
17	85.5	87.4	81.4	86.0	83.0	78.1	76.6	76.8	78.2	79.0	81.3	84.1	17
18	87.5	87.4	81.3	84.1	82.7	78.0	76.0	77.2	77.0	80.2	83.5	88.6	18
19	85.5	86.7	81.5	85.0	82.9	78.1	76.1	77.8	76.9	79.8	84.1	86.7	19
20	82.2	86.5	84.2	85.5	82.3	77.5	77.0	75.7	77.8	80.8	84.6	86.6	20
21	82.8	87.0	81.6	85.1	81.2	75.3	76.3	77.1	75.1	80.6	83.3	83.9	21
22	88.0	87.8	84.3	84.0	80.8	75.9	76.0	76.1	77.0	80.5	84.0	87.3	22
23	86.5	87.5	83.3	83.9	80.7	75.4	75.0	71.1	77.5	77.7	84.9	86.4	23
24	88.5	86.8	83.4	84.1	79.2	77.0	73.0	72.8	77.0	80.5	89.7	86.0	24
25	88.3	81.5	82.6	83.6	79.3	77.0	72.1	77.0	77.0	82.0	84.5	83.9	25
26	88.1	85.5	82.5	83.1	80.3	77.1	75.0	76.3	76.0	82.4	88.1	85.0	26
27	88.6	83.2	84.6	85.2	79.0	77.0	76.1	77.7	76.3	85.0	82.8	84.7	27
28	89.0	85.0	85.0	83.7	80.7	77.3	77.3	76.5	77.5	82.8	86.9	86.0	28
29	88.2	86.8	85.2	.....	80.7	74.8	76.1	77.8	77.0	83.0	86.6	86.2	29
30	88.4		85.5	.....	77.3	76.2	76.1	73.6	78.0	84.1	87.5	84.9	30
31	87.8		85.5		77.6		77.0	74.6		83.3		84.0	31
Means ...	87.0	85.3	84.4	84.2	80.9	77.3	75.6	76.7	76.2	80.5	83.9	86.0	Means.

TABLE XIX.

Daily Minimum Temperature in the Thermograph Screen during the year 1892.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	74.4	74.8	74.8	71.1	66.5	68.5	68.0	61.6	59.5	63.7	65.7	69.5	1
2	75.7	74.2	73.6	72.8	70.5	68.1	67.2	57.7	58.6	63.7	64.0	72.3	2
3	76.1	74.4	75.0	73.8	70.5	68.8	66.8	63.7	59.6	63.5	66.8	69.0	3
4	75.0	74.2	75.1	73.0	64.8	70.0	66.3	63.0	61.3	60.1	67.1	69.8	4
5	75.8	74.2	71.6	73.0	68.0	69.0	62.1	66.0	58.5	60.3	67.2	68.4	5
6	76.5	74.2	73.5	72.9	68.3	70.2	60.8	63.0	61.5	60.8	65.8	70.0	6
7	73.9	76.7	71.8	70.7	68.0	68.8	63.2	61.3	64.5	64.0	66.1	68.7	7
8	70.9	76.0	73.5	71.4	65.0	68.7	64.0	60.8	66.5	62.8	65.1	70.7	8
9	70.4	75.8	75.7	69.0	68.2	68.0	62.2	68.0	67.6	63.4	66.0	70.4	9
10	72.3	76.7	73.8	69.4	67.2	68.5	62.4	66.3	66.8	63.3	68.4	70.5	10
11	74.9	72.8	71.4	70.8	69.7	67.6	57.0	64.0	65.6	62.3	65.2	71.9	11
12	76.0	73.6	70.4	70.5	71.6	65.2	56.3	66.1	64.9	64.9	68.9	72.1	12
13	75.4	74.3	74.2	72.0	69.9	64.1	57.0	64.2	64.5	65.8	68.8	73.0	13
14	75.6	75.1	73.2	72.1	71.8	64.8	64.0	64.2	63.3	67.6	71.3	72.1	14
15	74.3	74.7	74.0	70.4	71.3	65.3	62.7	65.5	65.2	67.6	69.1	71.2	15
16	74.7	74.4	74.0	70.8	71.1	66.4	64.0	64.9	65.2	67.1	64.2	68.6	16
17	75.5	74.2	71.4	69.2	65.8	67.0	59.9	60.6	65.2	66.1	67.7	70.0	17
18	74.7	73.0	69.4	71.8	66.3	63.5	56.6	65.2	63.0	66.3	64.0	71.0	18
19	74.4	72.0	70.9	72.4	68.0	62.9	65.0	66.2	63.3	64.8	65.8	67.4	19
20	73.9	70.8	73.5	72.7	67.0	62.6	66.1	62.2	60.2	66.8	67.3	68.5	20
21	73.1	70.7	74.0	71.1	69.5	64.0	60.9	58.4	62.9	59.5	65.9	67.7	21
22	73.8	71.5	74.3	71.6	67.9	64.0	59.0	62.0	58.3	59.0	67.0	68.1	22
23	73.8	73.3	73.8	70.6	70.0	64.8	57.0	63.2	58.9	64.2	67.9	72.0	23
24	75.2	72.9	73.2	71.6	66.6	65.2	59.9	63.0	62.7	63.3	66.3	67.7	24
25	74.8	77.0	71.6	71.6	64.0	65.3	57.6	66.0	63.7	67.3	73.0	70.8	25
26	72.1	78.3	73.4	74.3	67.9	61.8	57.2	64.0	62.6	68.2	71.9	72.3	26
27	69.8	76.1	73.3	76.9	63.7	63.8	57.4	63.0	65.0	68.2	72.1	72.6	27
28	72.2	77.8	70.9	73.7	62.7	63.0	64.0	62.3	65.0	66.3	69.6	73.2	28
29	73.2	77.8	70.6	.....	63.4	64.5	61.9	57.9	65.4	64.9	70.1	72.8	29
30	75.1		70.0	.....	68.1	66.3	63.1	62.4	65.0	64.8	71.4	73.0	30
31	75.4		68.7		67.9		61.2	62.5		69.0		72.8	31
Means.	74.2	74.5	72.7	71.8	67.8	66.0	61.6	63.2	63.1	64.5	67.7	70.6	Means

TABLE XX.

Daily Range of Temperature in the Thermograph Screen during the year 1892.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1 ...	13.4	12.3	9.3	14.5	13.2	8.8	9.1	14.5	12.7	14.4	16.3	17.0	1
2 ...	10.5	14.1	12.6	13.3	10.6	10.3	8.0	17.9	14.3	13.8	19.6	13.7	2
3 ...	10.6	13.5	9.6	12.7	12.9	8.3	9.3	13.6	15.2	15.5	16.4	19.8	3
4 ...	8.8	13.2	11.8	12.1	17.1	8.8	10.2	15.1	15.2	20.2	16.3	17.2	4
5 ...	10.3	11.8	14.0	12.1	11.7	10.2	13.9	10.8	17.3	20.6	17.2	21.1	5
6 ...	11.6	11.2	7.8	11.7	12.3	8.4	14.7	15.2	11.7	20.0	18.2	19.1	6
7 ...	14.1	9.2	15.3	14.3	11.8	10.4	12.8	17.0	9.5	16.5	18.0	15.5	7
8 ...	17.6	10.5	14.5	13.2	14.8	9.3	10.6	17.2	9.1	17.7	17.9	14.7	8
9 ...	19.9	9.8	6.2	15.5	12.3	6.5	13.3	10.8	9.7	17.7	16.6	15.5	9
10 ...	17.5	7.7	11.1	14.7	14.7	10.5	13.6	10.8	9.7	17.0	13.6	16.0	10
11 ...	14.0	6.2	14.1	4.7	12.4	9.1	17.6	13.3	11.4	17.2	17.8	16.6	11
12 ...	13.4	2.4	15.6	10.3	12.7	10.9	19.7	10.6	12.8	15.1	14.1	13.1	12
13 ...	9.0	7.2	12.7	10.0	13.3	13.9	17.1	13.9	13.5	14.2	14.7	12.6	13
14 ...	8.4	7.8	13.4	12.4	9.5	13.2	8.8	13.7	10.7	11.8	10.6	12.9	14
15 ...	9.9	12.1	11.2	15.1	9.2	12.4	12.3	13.0	12.1	10.4	13.0	13.6	15
16 ...	11.7	9.6	11.0	15.3	9.0	13.3	12.0	13.2	10.6	10.9	15.6	15.4	16
17 ...	10.0	13.2	10.0	16.8	17.2	11.1	16.7	16.2	13.0	12.9	13.6	14.1	17
18 ...	12.8	14.4	11.9	12.3	16.4	14.5	19.4	12.0	14.0	13.9	19.5	17.6	18
19 ...	11.1	14.7	10.6	12.6	14.9	15.2	11.1	11.6	13.6	15.0	18.3	19.3	19
20 ...	8.3	15.7	10.7	12.8	15.3	14.9	10.9	13.5	17.6	14.0	17.3	18.1	20
21 ...	9.7	16.3	7.6	14.0	11.7	9.3	15.4	18.7	12.2	21.1	17.4	16.2	21
22 ...	14.2	16.3	10.0	12.4	12.9	11.0	17.0	14.1	18.7	21.5	17.0	19.2	22
23 ...	12.7	14.2	9.5	13.3	10.7	10.6	18.0	7.9	18.6	13.5	17.0	14.4	23
24 ...	13.3	13.9	10.2	12.5	12.6	11.8	13.1	9.8	14.3	17.2	23.4	18.3	24
25 ...	13.5	4.5	11.0	12.0	15.3	11.7	14.5	11.0	13.3	14.7	11.5	13.1	25
26 ...	16.0	7.2	9.1	8.8	12.4	15.3	17.8	12.3	13.4	14.2	16.2	12.7	26
27 ...	18.8	7.1	11.3	8.3	15.3	13.2	18.7	14.7	11.3	16.8	10.7	12.1	27
28 ...	16.8	7.2	14.1	10.0	18.0	14.3	13.3	14.2	12.5	16.5	17.3	12.8	28
29 ...	15.0	9.0	14.6	.....	17.3	10.3	14.2	19.9	11.6	18.1	16.5	13.4	29
30 ...	13.3		15.5	.....	9.2	9.9	13.0	11.2	13.0	19.3	16.1	11.9	30
31 ...	12.4		16.8		9.7		15.8	12.1		14.3		11.2	31
Means.	12.9	10.8	11.7	12.4	13.1	11.3	13.9	13.5	13.1	16.0	16.2	15.4	Means.

METEOROLOGICAL OBSERVATIONS.

TABLE XXI.

Comparison of the Means of the Standard Dry Bulb Thermometer Readings with the Means of the Thermograph Dry Bulb Readings for 9 and 15 hours, during the year 1892.

Months.	Thermograph.			Standard.		
	9 hrs.	15 hrs.	Means.	9 hrs.	15 hrs.	Means.
	°	°	°	°	°	°
January	82. 3	84. 7	83. 5	82. 3	84. 7	83. 5
February	81. 9	84. 2	83. 0	81. 9	84. 1	83. 0
March	80. 3	82. 2	81. 2	80. 3	82. 2	81. 2
April	79. 4	81. 7	80. 5	79. 3	81. 5	80. 4
May	77. 1	78. 7	77. 9	76. 9	78. 5	77. 7
June	72. 8	75. 1	73. 9	72. 7	74. 9	73. 8
July	71. 0	73. 6	72. 3	71. 0	73. 6	72. 3
August	72. 3	74. 2	73. 2	72. 2	74. 1	73. 1
September	72. 0	73. 6	72. 8	72. 0	73. 6	72. 8
October	76. 1	78. 4	77. 2	76. 2	78. 4	77. 3
November	78. 9	81. 8	80· 3	78. 9	81. 8	80. 3
December	80. 9	83. 5	82. 2	80. 8	83. 5	82. 1
Means	77.08	79.31	78.17	77.04	79.24	78.12

TABLE XXII.

Hourly and Monthly Means of the Temperature of Evaporation during the year 1892.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation +above −below means.	Hours.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
0	73.6	74.1	72.7	71.8	67.6	64.6	62.0	63.3	62.0	64.6	67.5	70.7	67.9	− 1.5	0
1	73.4	74.0	72.3	71.7	67.5	64.5	62.0	63.2	62.0	64.4	67.3	70.2	67.7	− 1.7	1
2	73.3	73.8	72.3	71.3	67.4	64.6	61.6	63.2	62.0	64.0	67.0	70.0	67.5	− 1.9	2
3	73.0	73.7	71.9	71.0	66.9	64.3	61.3	62.9	61.9	63.8	66.6	69.6	67.2	− 2.2	3
4	73.0	73.5	71.9	70.8	66.6	64.1	61.2	63.0	61.9	63.5	66.6	69.3	67.1	− 2.3	4
5	72.8	73.4	71.9	70.5	66.2	63.9	61.3	62.7	61.5	63.3	65.9	69.0	66.9	− 2.5	5
6	72.9	73.1	71.9	70.6	66.0	64.0	61.4	62.7	61.5	64.0	67.4	69.8	67.1	− 2.3	6
7	74.5	74.5	71.9	71.5	66.4	63.8	61.4	63.4	62.8	67.3	70.0	72.7	68.3	− 1.1	7
8	75.8	76.0	75.2	74.2	69.1	65.8	64.1	66.1	64.1	68.1	70.3	73.3	70.2	+ 0.8	8
9	76.2	76.6	75.9	75.1	70.0	67.1	65.1	67.1	64.4	68.3	70.5	73.5	70.8	+ 1.4	9
10	77.0	77.2	76.9	76.0	70.7	67.6	65.7	67.5	64.8	69.0	71.0	74.2	71.5	+ 2.1	10
11	77.1	77.4	77.5	76.2	70.6	68.0	65.8	67.8	65.0	69.2	71.1	74.2	71.7	+ 2.3	11
12	77.5	77.6	77.5	76.4	70.9	68.1	66.2	68.2	65.3	69.2	71.2	74.4	71.9	+ 2.5	12
13	77.3	77.6	77.0	76.3	70.8	67.9	66.2	67.8	65.0	68.7	70.9	74.3	71.6	+ 2.2	13
14	77.2	77.4	77.1	76.0	71.0	67.8	66.1	67.9	65.2	68.9	71.5	74.1	71.7	+ 2.3	14
15	76.9	77.1	76.8	75.6	70.7	67.6	65.9	67.3	64.9	68.3	70.7	73.8	71.3	+ 1.9	15
16	76.7	77.2	76.3	75.1	70.4	66.9	65.3	66.9	64.6	67.9	70.4	73.6	70.9	+ 1.5	16
17	76.0	76.5	75.8	74.6	69.8	66.6	64.5	66.2	63.9	67.4	70.1	73.2	70.4	+ 1.0	17
18	75.6	75.9	75.2	74.0	69.2	65.9	63.6	65.5	63.1	67.0	69.6	72.7	69.8	+ 0.4	18
19	74.9	75.5	74.3	73.3	68.7	65.5	63.2	64.8	62.9	66.6	69.2	72.2	69.3	− 0.1	19
20	74.6	75.1	73.7	72.9	68.3	65.3	62.8	64.2	62.6	66.2	68.9	72.1	68.9	− 0.5	20
21	74.3	74.9	73.2	72.4	68.2	65.1	62.5	63.8	62.3	65.7	68.4	71.6	68.5	− 0.9	21
22	74.0	74.7	73.0	72.1	68.0	64.9	62.3	63.5	62.3	65.3	68.1	71.5	68.3	− 1.1	22
23	73.7	74.4	72.6	71.8	67.7	64.7	61.9	63.2	62.1	64.9	67.8	71.0	68.0	− 1.4	23
Monthly Means ...	75.1	75.5	74.4	73.4	68.7	65.8	63.5	65.1	63.2	66.5	69.1	72.1	69.4		Monthly Means.

TABLE XXIII.

Daily and Monthly Means of the Temperature of Evaporation during the year 1892.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	74.6	75.6	75.8	74.0	66.4	67.3	66.4	61.9	60.1	65.7	67.8	71.4	1
2	74.8	76.1	75.8	74.7	68.5	66.8	66.6	61.9	59.7	65.8	67.8	71.2	2
3	73.5	75.7	75.7	75.0	70.0	68.1	67.0	65.8	61.2	65.5	68.3	71.8	3
4	74.1	75.2	76.4	74.4	69.0	66.8	65.6	66.0	62.4	65.5	68.5	71.6	4
5	74.9	75.4	74.1	73.9	70.2	68.7	63.6	67.4	61.9	65.0	68.5	71.2	5
6	75.4	75.4	74.3	73.5	69.3	68.2	61.9	65.3	60.3	65.3	68.2	71.9	6
7	73.7	75.5	75.4	73.0	64.5	67.0	62.4	65.2	60.9	66.0	67.4	72.5	7
8	72.9	76.0	76.2	72.6	64.5	68.4	62.5	65.9	63.3	65.8	67.5	73.0	8
9	73.7	75.4	75.9	72.4	66.7	67.1	63.3	67.8	63.6	67.0	67.2	72.7	9
10	74.0	75.4	74.0	72.6	66.9	68.6	63.6	67.1	64.2	65.5	67.3	73.2	10
11	74.8	74.3	74.2	71.2	70.6	65.8	62.1	65.4	65.5	65.2	68.1	73.7	11
12	75.3	73.8	73.8	72.8	72.3	62.4	62.0	65.6	65.5	65.9	68.3	72.7	12
13	75.7	74.8	75.5	73.5	71.4	64.8	61.9	64.7	64.8	66.0	67.9	72.9	13
14	76.3	75.5	75.3	74.3	72.1	66.4	62.8	65.6	65.1	66.1	70.0	72.7	14
15	76.4	76.0	74.7	74.3	69.6	68.0	62.0	65.7	64.4	66.1	69.0	72.6	15
16	76.4	75.6	74.6	73.4	69.9	67.9	65.0	66.0	64.7	66.2	66.8	71.2	16
17	77.5	76.2	72.3	73.2	70.1	67.2	63.7	64.7	65.5	65.4	67.4	71.6	17
18	77.4	74.7	71.6	73.7	70.0	65.4	62.0	65.3	63.2	66.2	67.0	71.5	18
19	75.2	74.7	73.4	74.3	69.9	65.7	65.1	66.6	62.9	66.7	68.3	70.7	19
20	73.7	73.7	75.6	74.0	69.6	63.5	65.9	65.2	62.5	67.0	68.9	70.6	20
21	74.6	74.4	74.9	73.6	69.3	60.2	62.5	63.6	64.1	63.0	67.6	71.0	21
22	75.0	74.9	74.6	73.6	68.3	61.8	62.8	63.7	61.7	62.5	68.2	70.9	22
23	74.8	75.3	74.6	72.2	70.9	63.4	61.9	65.1	62.7	66.0	69.2	72.3	23
24	75.8	74.2	73.4	72.4	69.1	64.4	61.2	65.2	62 9	65.4	71.2	71.2	24
25	76.5	75.5	72.6	72.2	67.1	64.9	59.6	66.1	63.1	68.4	72.2	71.9	25
26	74.6	77.3	73.3	74.4	68.9	62.7	61.3	65.4	63.5	69.8	73.8	72.8	26
27	73.2	77.0	74.2	76.8	66.6	64.0	61.5	65.2	63.9	70.3	72.8	73.0	27
28	75.1	77.4	74.1	76.4	67.3	65.1	65.7	65.1	64.3	69.8	73.1	72.6	28
29	75.1	77.6	73.6	73.1	66.5	66.0	66.7	63.7	63.9	68.5	72.2	73.2	29
30	76.2		73.4	66.3	66.7	66.9	65.6	64.4	65.5	69.3	72.2	73.5	30
31	76.2		73.3		67.0		63.6	61.2		69.8		72.5	31
Means.	75.1	75.5	74.4	73.4	68.7	65.8	63.5	65.1	63.2	66.5	69.1	72.1	Means.

METEOROLOGICAL OBSERVATIONS.

TABLE XXIV.

Comparison of the Means of the Standard Wet Bulb Thermometer Readings with the Means of the Thermograph Wet Bulb Readings for 9 and 15 hours during the year 1892.

Months.	Thermograph.			Standard.		
	9 hrs.	15 hrs.	Means.	9 hrs.	15 hrs.	Means.
	°	°	°	°	°	°
January	76. 2	76. 8	76. 5	76. 3	76. 9	76. 6
February	76. 7	77. 1	76. 9	76. 9	77. 2	77. 0
March	76. 0	76. 7	76. 3	76. 2	76. 9	76. 5
April	75. 4	75. 9	75. 6	75. 6	76. 0	75. 8
May	70. 5	70. 8	70. 6	70. 6	70. 9	70. 7
June	67. 0	68. 0	67. 5	67. 2	68. 1	67. 6
July	65. 1	65. 6	65. 3	65. 2	65. 7	65. 4
August	67. 0	67. 2	67. 1	67. 1	67. 2	67. 1
September	64. 2	64. 7	64. 4	64. 0	64. 5	64. 2
October	68. 3	68. 4	68. 3	68. 4	68. 3	68. 3
November	70. 6	71. 0	70. 8	70. 6	71. 0	70. 8
December	73. 4	73. 9	73. 6	73. 5	73. 9	73. 7
Means	70.87	71.34	71.07	70.97	71.38	71.14

TABLE XXV.

Hourly and Monthly Means of the Relative Humidity during the year 1892.

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... ...	85.0	88.5	90.0	88.5	82.5	78.0	85.0	86.2	80.0	86.0	82.5	84.0	84.7	+ 8.5	0
1... ...	86.5	87.0	90.0	89.5	83.5	80.0	85.5	86.8	80.5	87.4	84.5	85.0	85.5	+ 9.3	1
2... ...	87.0	87.0	90.5	89.5	82.5	81.5	85.1	88.0	82.5	88.0	84.5	87.0	86.1	+ 9.9	2
3... ...	87.5	88.0	90.5	90.0	81.5	80.0	85.8	87.0	83.4	87.4	85.0	87.0	86.1	+ 9.9	3
4... ...	88.0	88.0	91.0	90.0	83.0	80.0	85.7	88.0	82.0	87.4	85.0	86.8	86.2	+ 10.0	4
5... ...	88.0	88.5	91.5	89.5	83.5	79.0	83.8	88.0	82.0	87.4	86.0	87.5	86.2	+ 10.0	5
6... ...	88.0	88.5	91.5	90.0	83.2	80.0	85.9	89.2	82.0	87.5	84.0	86.5	86.4	+ 10.2	6
7... ...	84.0	87.5	86.5	90.0	83.0	79.0	83.4	86.8	78.5	80.5	75.0	77.0	82.6	+ 6.4	7
8... ...	76.2	83.0	85.5	84.0	74.0	74.6	78.5	80.5	69.0	71.3	67.0	69.4	76.1	− 0.1	8
9... ...	72.0	77.2	81.3	77.7	67.8	70.9	69.9	72.9	62.2	64.0	61.0	65.4	70.2	− 6.0	9
10... ...	68.0	75.2	76.8	73.2	64.9	65.2	65.4	69.2	59.7	61.8	57.5	63.0	66.7	− 9.5	10
11... ...	65.6	73.2	75.2	70.4	60.8	64.4	63.7	66.4	57.4	59.2	54.3	58.7	64.1	− 12.1	11
12... ...	66.0	70.0	73.6	68.4	59.0	63.1	60.8	64.4	56.8	57.1	52.8	57.9	62.5	− 13.7	12
13... ...	64.0	70.0	73.2	67.0	60.7	63.2	61.2	64.3	55.6	56.0	52.2	56.4	62.0	− 14.2	13
14... ...	64.2	69.6	72.8	68.0	61.2	64.0	61.2	65.6	57.3	56.3	53.1	56.4	62.5	− 13.7	14
15... ...	65.5	70.0	74.4	72.0	64.0	65.2	64.4	65.6	58.9	56.9	53.6	57.3	64.0	− 12.2	15
16... ...	65.3	72.4	74.8	72.3	66.2	64.4	65.0	68.4	61.0	59.9	56.9	58.8	65.4	− 10.8	16
17... ...	67.6	74.8	77.8	75.2	70.4	70.8	69.4	71.6	64.6	63.3	62.8	62.7	69.2	− 7.0	17
18... ...	72.4	77.5	81.0	79.0	77.2	75.1	76.0	78.5	68.5	70.8	68.2	65.8	74.2	− 2.0	18
19... ...	77.5	82.0	85.0	82.0	80.1	77.0	80.0	82.0	75.0	75.2	73.8	72.2	78.5	+ 2.3	19
20... ...	80.4	83.5	86.5	84.0	80.5	77.5	81.0	83.0	76.5	80.0	79.9	76.7	80.8	+ 4.6	20
21... ...	82.0	84.5	87.5	84.5	80.5	77.5	82.5	84.5	77.5	82.0	80.6	79.2	81.9	+ 5.7	21
22... ...	83.0	86.0	88.5	85.0	81.5	78.0	83.5	84.5	79.0	83.5	80.5	82.0	82.9	+ 6.7	22
23... ...	84.5	85.5	88.5	86.0	81.5	78.0	84.4	85.0	79.5	85.0	82.0	83.0	83.6	+ 7.4	23
Monthly Means.	77.0	80.7	83.5	81.1	74.7	73.6	76.1	78.6	71.2	73.9	70.9	72.7	76.2		Monthly Means.

TABLE XXVI.

Daily and Monthly Means of the Relative Humidity during the year 1892.

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 ...	71.4	76.4	86.5	81.0	67.2	72.7	76.0	68.5	71.5	76.1	72.4	71.0	1
2 ...	77.8	76.9	82.0	80.9	68.4	71.0	81.5	74.7	67.9	75.8	68.0	66.3	2
3 ...	68.6	76.5	83.0	79.5	70.8	77.5	82.5	80.5	68.5	72.3	69.2	68.4	3
4 ...	77.1	75.2	86.5	79.0	72.4	69.6	75.6	79.5	70.0	73.1	68.4	75.0	4
5 ...	75.7	80.0	83.0	78.6	82.0	82.0	72.0	83.0	76.7	73.5	69.6	66.6	5
6 ...	75.8	81.6	85.5	81.1	78.1	73.0	70.5	77.0	65.9	71.3	67.2	64.2	6
7 ...	67.8	77.1	82.0	78.6	58.2	69.2	68.0	82.5	62.0	66.2	63.6	79.9	7
8 ...	68.6	82.0	80.2	79.6	60.2	77.4	70.0	85.5	65.4	74.6	69.2	77.4	8
9 ...	69.4	79.2	88.5	81.5	68.4	77.5	77.0	81.0	63.8	74.5	67.6	80.9	9
10 ...	67.4	78.8	80.5	79.6	65.2	80.8	75.5	82.5	67.8	70.2	67.2	81.0	10
11 ...	71.2	87.5	81.5	90.0	76.2	74.2	74.5	77.5	72.3	70.8	69.6	73.0	11
12 ...	72.0	93.0	82.2	88.0	77.3	62.0	77.5	76.0	74.3	69.8	66.0	73.0	12
13 ...	83.5	89.0	82.5	85.0	77.8	72.2	80.0	71.0	71.8	69.8	62.9	71.4	13
14 ...	84.0	83.5	81.1	81.5	83.5	78.5	72.0	75.2	79.0	67.1	70.4	75.0	14
15 ...	84.5	81.5	80.1	82.0	73.4	82.0	69.0	74.1	67.8	70.3	71.2	74.2	15
16 ...	82.5	88.5	79.2	85.0	76.9	78.5	77.5	74.0	75.7	76.5	71.8	73.0	16
17 ...	85.5	79.4	83.5	84.0	77.5	75.0	72.5	78.0	75.5	65.8	68.8	68.8	17
18 ...	83.0	81.3	89.5	81.3	76.5	73.8	74.5	74.1	68.2	69.6	64.8	64.4	18
19 ...	81.0	80.1	88.5	79.3	77.3	79.0	74.5	79.0	66.5	74.1	66.8	65.8	19
20 ...	81.7	76.2	84.0	79.5	76.2	71.0	74.3	82.5	67.5	71.6	66.3	64.2	20
21 ...	83.0	76.6	86.0	84.0	73.9	60.4	68.5	77.5	80.0	63.0	68.0	70.2	21
22 ...	74.2	77.1	83.5	84.0	71.9	65.2	72.5	73.5	67.0	63.2	66.8	66.6	22
23 ...	81.4	75.3	84.5	78.4	81.0	69.6	80.5	89.2	68.5	76.0	70.0	71.0	23
24 ...	81.6	73.2	79.4	79.0	76.7	70.6	74.0	85.0	67.2	70.2	73.8	67.8	24
25 ...	78.0	76.3	79.2	75.0	74.0	72.2	69.8	79.0	66.5	72.8	74.6	72.2	25
26 ...	71.8	80.7	81.5	80.2	81.1	63.2	77.0	77.0	71.5	74.8	73.0	72.2	26
27 ...	71.4	84.0	83.0	82.4	75.6	67.4	76.5	74.5	70.9	78.5	82.6	75.4	27
28 ...	72.7	83.5	83.5	86.5	80 0	71.9	77.0	82.0	69.4	76.0	75.0	71.8	28
29 ...	73.5	82.2	81.6	.....	71.9	78.0	84.5	74.5	67.0	79.9	73.4	71.0	29
30 ...	79.8		81.0	.....	73.3	81.5	83.5	78.5	74.7	75.1	71.4	75.0	30
31 ...	78.6		81.5		78.0		72.5	64.0		76.4		73.4	31
Means.	76.6	80.4	83.0	81.6	74.2	73.2	75.2	77.8	70.0	72.2	69.7	71.6	Means.

TABLE XXVII.

Hourly and Monthly Means of the Dew Point during the year 1892.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation + above − below means.	Hours.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
0	71.6	72.3	71.4	70.3	65.3	61.4	59.8	61.5	59.0	62.7	65.2	68.5	65.7	−0.2	0
1	71.6	72.3	71.0	70.3	65.3	61.6	59.9	61.4	59.1	62.6	65.2	68.1	65.7	−0.2	1
2	71.6	72.1	71.0	69.9	65.1	62.0	59.5	61.6	59.4	62.4	64.8	68.2	65.6	−0.3	2
3	71.4	72.2	70.7	69.6	64.4	61.4	59.2	61.1	59.5	62.1	64.6	67.8	65.3	−0.6	3
4	71.5	72.0	70.8	69.4	64.2	61.2	59.1	61.4	59.4	61.8	64.6	67.5	65.2	−0.7	4
5	71.2	71.9	70.8	69.1	64.0	60.9	59.0	61.1	59.0	61.6	64.0	67.4	65.0	−0.9	5
6	71.3	71.6	70.8	69.2	63.8	61.1	59.3	61.1	59.0	62.3	65.3	67.9	65.2	−0.7	6
7	72.4	72.9	70.0	70.2	64.1	60.8	59.1	61.6	59.7	64.7	66.5	69.5	66.0	+0.1	7
8	72.5	73.6	73.3	72.1	65.4	62.1	61.0	63.4	59.5	63.9	65.4	68.9	66.8	+0.9	8
9	72.2	73.4	73.2	72.0	65.2	62.8	60.7	63.1	58.6	63.0	64.6	68.3	66.4	+0.5	9
10	72.4	73.7	73.7	72.2	65.4	62.4	60.5	63.0	58.4	63.1	64.6	68.6	66.5	+0.6	10
11	72.1	73.3	74.0	72.0	64.7	62.7	60.1	62.8	58.3	62.9	64.0	67.9	66.4	+0.5	11
12	72.6	73.3	73.8	71.8	64.8	62.4	60.2	62.9	58.5	62.5	63.6	68.0	66.2	+0.3	12
13	72.1	73.3	73.2	71.5	64.9	62.3	60.3	62.5	57.9	61.8	63.1	67.6	65.9	0.0	13
14	72.0	73.0	73.2	71.3	65.1	62.4	60.2	62.8	58.5	62.1	64.0	67.4	66.0	+0.1	14
15	71.8	72.8	73.2	71.6	65 2	62.4	60.3	62.1	58.4	61.6	63.4	67.2	65.8	−0.1	15
16	71.6	73.3	72.7	71.2	65.4	61.5	60.0	62.2	58.6	61.6	63.8	67.3	65.8	−0.1	16
17	71.2	73.0	72.7	71.1	65.6	62.3	60.0	62.1	58.5	61.9	64.4	67.5	65.9	0.0	17
18	71.6	72.8	72.8	71.2	65.9	62.3	60.1	62.5	58.5	62.6	64.8	67.7	66.1	+0.2	18
19	71.8	73.2	72.3	70.9	65.8	62.2	60.3	62.2	59.3	63.1	65.4	68.2	66.2	+0.3	19
20	72.0	72.9	71.9	70.8	65.6	62.1	60.1	61.8	59.2	63.4	65.9	68.9	66.2	+0.3	20
21	71.9	72.9	71.6	70.3	65.5	61.9	60.0	61.6	59.0	63.1	65.6	68.6	66.0	+0.1	21
22	71.8	72.9	71.5	70.1	65.5	61.7	59.9	61.3	59.3	63.0	65.4	69.0	65.9	0.0	22
23	71.7	72.5	71.1	69.9	65.2	61.5	59.6	61.2	59.1	62.8	65.4	68.7	65.7	−0.2	23
Means.	71.8	72.8	72.1	70.7	65.1	61.9	59.9	62.0	58.9	62.6	64.7	68.2	65.9		Means.

TABLE XXVIII.

Daily and Monthly Means of the Dew Point during the year 1892.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
	°	°	°	°	°	°	°	°	°	°	°	°	
1	70.6	72.3	74.1	67.7	61.4	63.2	63.1	57.3	55.8	62.3	63.8	67.2	1
2	71.7	72.8	73.2	72.1	63.8	62.5	64.0	58.1	54.6	62.3	63.0	66.1	2
3	69.9	72.4	73.5	72.4	65.8	64.8	64.6	63.1	56.5	61.4	63.8	67.1	3
4	71.0	71.8	74.6	71.6	65.0	62.2	62.1	63.1	58.0	61.6	63.8	68.1	4
5	71.6	72.6	71.9	71.0	67.7	66.1	59.5	65.1	58.5	61.2	64.0	66.2	5
6	72.1	72.9	72.4	71.0	66.1	64.3	57.5	62.0	55.0	61.1	63.3	66.5	6
7	69.1	72.4	72.9	70.1	57.8	62.5	57.7	62.7	55.0	61.0	61.9	69.8	7
8	68.4	73.5	73.5	69.8	58.4	65.0	58.1	63.9	58.0	62.1	63.0	69.9	8
9	69.3	72.4	74.4	69.9	62.0	64.0	60.0	65.2	58.0	63.4	62.4	70.1	9
10	69.4	72.4	71.4	69.8	61.7	65.8	60.0	64.7	59.4	61.2	62.4	70.7	10
11	70.6	72.7	71.8	69.9	67.3	62.0	58.3	62.2	61.4	60.9	63.6	69.9	11
12	71.2	73.0	71.4	71.2	69.2	56.6	58.7	62.2	61.8	61.5	63.3	68.9	12
13	73.4	73.4	73.1	71.5	68.2	60.8	58.9	60.4	60.7	61.6	62.3	68.8	13
14	74.1	73.4	71.9	71.9	69.8	63.4	58.7	62.0	62.1	61.3	65.8	69.2	14
15	74.2	73.4	72.0	71.9	65.7	65.5	57.4	61.9	59.6	61.8	64.8	69.0	15
16	73.9	74.1	71.8	71.4	66.6	64.8	61.8	62.3	61.2	62.9	62.6	67.3	16
17	75.5	73.4	70.1	71.1	67.0	63.6	59.6	61.5	62.0	60.3	62.8	67.0	17
18	75.1	72.2	70.2	71.2	66.8	61.6	58.2	61.6	58.5	61.8	61.7	66.2	18
19	72.8	72.0	71.9	71.5	66.7	62.8	61.4	63.7	57.8	63.0	63.4	65.6	19
20	71.2	70.4	73.6	71.3	66.2	59.2	62.2	62.7	57.7	62.8	63.8	65.2	20
21	72.4	71.2	73.1	71.5	65.6	54.0	57.9	60.4	61.2	57.3	62.8	66.7	21
22	71.5	71.7	72.4	71.5	64.2	56.6	58.8	59.8	56.8	56.9	63.3	65.9	22
23	72.3	71.9	72.6	69.3	68.3	58.9	59.0	63.7	58.1	62.6	64.9	68.1	23
24	73.2	70.4	70.6	69.5	65.7	60.1	57.4	63.2	58.0	61.0	67.5	66.4	24
25	73.4	72.2	69.7	68.7	63.5	60.9	54.9	63.2	58.1	64.4	68.6	67.9	25
26	70.7	74.7	70.9	71.8	66.1	57.1	57.8	62.1	59.3	66.2	70.0	68.9	26
27	69.2	74.9	72.0	74.4	63.2	59.1	58.0	61.5	59.6	67.3	70.5	69.6	27
28	71.3	75.1	71.9	74.5	64.6	61.0	62.4	62.5	59.8	66.4	69.6	68.6	28
29	71.4	75.2	71.1	.....	62.5	62.9	64.6	60.0	58.9	65.6	68.4	69.1	29
30	73.4		70.9	.....	62.9	64.4	63.3	61.3	61.9	65.8	68.1	70.0	30
31	73.2		70.9		64.0		59.6	55.7		66.5		68.7	31
Means.	71.8	72.8	72.1	71.1	65.0	61.9	59.9	61.9	58.8	62.4	64.6	68.0	Means.

TABLE XXIX.

Hourly and Monthly Means of the Vapour Tension during the year 1892.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation + above — below means.	Hours.
	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	
0 ...	.774	.793	.769	.741	.624	.545	.514	.546	.500	.570	.622	.697	.641	— .004	0
1 ...	.774	.793	.759	.741	.624	.548	.516	.545	.501	.568	.622	.687	.640	— .005	1
2 ...	.774	.788	.759	.731	.620	.556	.509	.548	.507	.564	.613	.689	.638	— .007	2
3 ...	.769	.790	.751	.723	.605	.545	.503	.539	.509	.558	.609	.680	.632	— .013	3
4 ...	.772	.785	.754	.718	.601	.541	.501	.545	.507	.552	.609	.673	.630	— .015	4
5 ...	.764	.782	.754	.711	.596	.535	.500	.539	.500	.548	.596	.671	.625	— .020	5
6 ...	.766	.774	.754	.713	.592	.539	.505	.539	.500	.562	.624	.682	.629	— .016	6
7 ...	.796	.810	.733	.738	.598	.533	.501	.548	.512	.611	.650	.721	.646	+ .001	7
8 ...	.799	.829	.820	.788	.626	.558	.537	.584	.509	.594	.626	.706	.665	+ .020	8
9 ...	.790	.823	.818	.785	.622	.572	.531	.578	.492	.576	.609	.692	.657	+ .012	9
10 ...	.796	.832	.832	.790	.626	.564	.528	.576	.489	.578	.609	.699	.660	+ .015	10
11 ...	.788	.820	.840	.785	.611	.570	.520	.572	.487	.574	.596	.682	.654	+ .009	11
12 ...	.801	.820	.834	.779	.613	.564	.522	.574	.491	.566	.588	.684	.653	+ .008	12
13 ...	.788	.820	.818	.772	.615	.562	.524	.566	.480	.552	.578	.675	.646	+ .001	13
14 ...	.785	.812	.818	.766	.620	.564	.522	.572	.491	.558	.596	.671	.648	+ .003	14
15 ...	.779	.807	.818	.774	.622	.564	.524	.558	.489	.548	.584	.666	.644	— .001	15
16 ...	.774	.820	.804	.764	.626	.546	.518	.560	.492	.548	.592	.668	.643	— .002	16
17 ...	.764	.812	.804	.761	.630	.562	.518	.558	.491	.554	.605	.673	.644	— .001	17
18 ...	.774	.807	.807	.764	.637	.562	.520	.566	.491	.568	.613	.678	.649	+ .004	18
19 ...	.779	.818	.793	.756	.635	.560	.524	.560	.505	.578	.626	.689	.652	+ .007	19
20 ...	.785	.810	.782	.754	.630	.558	.520	.552	.503	.584	.637	.706	.652	+ .007	20
21 ...	.782	.810	.774	.741	.628	.554	.518	.548	.500	.578	.630	.699	.647	+ .002	21
22 ...	.779	.810	.772	.736	.628	.550	.516	.543	.505	.576	.626	.708	.646	+ .001	22
23 ...	.777	.799	.761	.731	.622	.546	.511	.541	.501	.572	.626	.701	.641	— .004	23
Monthly Means...	.780	.807	.789	.753	.619	.554	.517	.557	.498	.568	.612	.687	.645		Monthly Means.

TABLE XXX.

Daily and Monthly Means of the Vapour Tension during the year 1892.

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 ...	.749	.793	.843	.678	.545	.580	.578	.470	.446	.562	.592	.666	1
2 ...	.777	.807	.818	.788	.592	.566	.596	.483	.427	.562	.576	.641	2
3 ...	.708	.796	.826	.796	.635	.613	.609	.578	.457	.545	.592	.664	3
4 ...	.759	.779	.857	.774	.617	.560	.558	.578	.482	.548	.592	.687	4
5 ...	.774	.801	.782	.759	.678	.641	.509	.620	.491	.541	.596	.644	5
6 ...	.788	.810	.796	.759	.641	.603	.473	.556	.433	.539	.582	.650	6
7 ...	.711	.796	.810	.736	.479	.566	.477	.570	.433	.537	.554	.728	7
8 ...	.694	.826	.826	.728	.489	.617	.483	.594	.482	.558	.576	.731	8
9 ...	.716	.796	.851	.731	.556	.596	.518	.622	.482	.584	.564	.736	9
10 ...	.718	.796	.769	.728	.550	.635	.518	.611	.507	.541	.564	.751	10
11 ...	.749	.804	.779	.731	.668	.556	.487	.560	.545	.535	.588	.731	11
12 ...	.764	.812	.769	.764	.713	.459	.494	.560	.552	.546	.582	.706	12
13 ...	.823	.823	.815	.772	.689	.533	.498	.526	.531	.548	.562	.704	13
14 ...	,843	.823	.782	.782	.728	.584	.494	.556	.558	.543	.635	.713	14
15 ...	.846	.823	.785	.782	.633	.628	.472	.554	.511	.552	.613	.708	15
16 ...	.837	.843	.779	.769	.652	.613	.552	.562	.541	.574	.568	.668	16
17 ...	.883	.823	.736	.761	.661	.588	.511	.546	.556	.524	.572	.661	17
18 ...	.871	.790	.738	.764	.657	.548	.485	.548	.491	.552	.550	.644	18
19 ...	.807	.785	.782	.772	.655	.572	.545	.590	.479	.576	.584	.630	19
20 ...	.764	.744	.829	.766	.644	.503	.560	.570	.477	.572	.592	.622	20
21 ...	.796	.764	.815	.772	.630	.418	.480	.526	.541	.470	.572	.655	21
22 ...	.772	.777	.796	.772	.601	.459	.496	.514	.462	.464	.582	.637	22
23 ...	.793	.782	.801	.716	.692	.498	.500	.590	.483	.568	.615	.687	23
24 ...	.818	.744	.749	.721	.633	.520	.472	.580	.482	.537	.673	.648	24
25 ...	.823	.790	.726	.701	.586	.535	.431	.580	.483	.605	.699	.682	25
26 ...	.751	.860	.756	.779	.641	.467	.479	.558	.505	.644	.733	.706	26
27 ...	.713	.865	.785	.851	.580	.501	.482	.546	.511	.668	.746	.723	27
28 ...	.766	.871	.782	.854	.609	.537	.564	.566	.514	.648	.723	.699	28
29 ...	.769	.874	.761	.....	.566	.574	.609	.518	.498	.630	.694	.711	29
30 ...	.823		.756	.....	.574	.605	.582	.543	.554	.635	.687	.733	30
31 ...	.818		.756		.596		.511	.444		.650		.701	31
Means	.781	.807	.789	.761	.619	.556	.517	.555	.497	.566	.612	.686	Means.