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METEOROLOGICAL OBSERVATIONS.

Results of Meteorological Observations taken during the year 1888, at the Royal Alfred Observatory, Mauritius. Latitude 20° 5' 39" S. Longitude 3 hrs. 50m. 12s. 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 (Hicks, No. 687) has an index error (including capillary action) of—.004 inch, and the cistern is 180.86 feet above the sea-level.

The thermometers, which are by Casella, and Negretti and Zambra, have been verified. They have southern exposures, and are from 5 to 6 feet above the ground.

Continuous records of the temperature and pressure of the air are obtained by photography.

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 mouth of Glaisher's raingauge is 8 inches in diameter, and 10 inches above the surface of the ground.

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

During the year, five eye-observations of the principal elements have been taken daily, viz :—at 6, 9, 13, 15, and 15.50 hours, the day commencing at midnight and the hours being counted from 1 to 24.

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

Daily readings have been taken of maximum and minimum dry and wet bulb thermometers exposed in screens, of solar and terrestrial radiation thermometers, and of thermometers, the bulbs of which are 5 and 10 feet below the surface of the ground.

Results of 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.

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

TABLE I.

Hourly and Monthly Means of the Atmospheric Pressure during the year 1888.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means for the year.	Variation +above −below means.	Hours.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
1	29.771	29.772	29.776	29.895	29.893	29.972	30.048	30.032	30.010	29.930	29.879	29.837	29.901	+.007	1
2	29.760	29.758	29.760	29.882	29.882	29.959	30.036	30.018	29.998	29.915	29.864	29.824	29.888	−.006	2
3	29.755	29.750	29.751	29.875	29.874	29.950	30.027	30.008	29.989	29.909	29.859	29.818	29.880	−.014	3
4	29.755	29.747	29.745	29.869	29.870	29.946	30.023	30.002	29.984	29.908	29.859	29.817	29.877	−.017	4
5	29.765	29.751	29.751	29.873	29.872	29.947	30.022	30.006	29.990	29.916	29.865	29.824	29.882	−.012	5
6	29.778	29.760	29.761	29.882	29.882	29.955	30.030	30.013	30.000	29.927	29.876	29.835	29.892	−.002	6
7	29.788	29.774	29.774	29.897	29.896	29.970	30.042	30.026	30.013	29.940	29.886	29.846	29.904	+.010	7
8	29.793	29.786	29.791	29.911	29.910	29.986	30.057	30.039	30.024	29.947	29.892	29.854	29.916	+.022	8
9	29.792	29.795	29.799	29.921	29.921	29.998	30.069	30.050	30.030	29.948	29.896	29.857	29.923	+.029	9
10	29.787	29.793	29.799	29.920	29.917	29.996	30.068	30.051	30.026	29.941	29.890	29.853	29.920	+.026	10
11	29.780	29.788	29.792	29.908	29.905	29.985	30.058	30.039	30.014	29.930	29.883	29.847	29.911	+.017	11
12	29.770	29.776	29.777	29.887	29.883	29.966	30.041	30.017	29.990	29.912	29.869	29.834	29.893	−.001	12
13	29.760	29.762	29.761	29.870	29.865	29.945	30.020	30.000	29.971	29.895	29.854	29.824	29.877	−.017	13
14	29.747	29.745	29.745	29.857	29.850	29.934	30.008	29.985	29.956	29.881	29.839	29.810	29.863	−.031	14
15	29.736	29.736	29.736	29.851	29.847	29.930	30.000	29.978	29.947	29.874	29.831	29.801	29.856	−.038	15
16	29.731	29.732	29.736	29.853	29.851	29.933	30.001	29.982	29.949	29.876	29.830	29.797	29.856	−.038	16
17	29.738	29.739	29.743	29.863	29.862	29.942	30.011	29.991	29.959	29.887	29.840	29.805	29.865	−.029	17
18	29.755	29.751	29.754	29.874	29.873	29.950	30.020	30.002	29.973	29.904	29.857	29.818	29.878	−.016	18
19	29.776	29.768	29.771	29.890	29.888	29.963	30.034	30.017	29.991	29.925	29.876	29.836	29.895	+.001	19
20	29.790	29.783	29.788	29.905	29.903	29.975	30.047	30.032	30.010	29.942	29.893	29.849	29.910	+.016	20
21	29.797	29.795	29.801	29.917	29.912	29.983	30.055	30.042	30.023	29.954	29.904	29.859	29.920	+.026	21
22	29.803	29.800	29.804	29.916	29.913	29.986	30.059	30.045	30.026	29.956	29.912	29.866	29.924	+.030	22
23	29.799	29.797	29.799	29.912	29.911	29.984	30.059	30.040	30.024	29.952	29.908	29.862	29.921	+.027	23
24	29.784	29.786	29.790	29.904	29.903	29.978	30.052	30.041	30.019	29.940	29.895	29.848	29.912	+.018	24
Monthly Means.	29.771	29.768	29.771	29.889	29.887	29.964	30.037	30.019	29.996	29.921	29.873	29.834	29.894		Monthly Means.
Monthly Means reduced to sea-level.	29.960	29.957	29.960	30.079	30.077	30.156	30.230	30.211	30.188	30.113	30.062	30.023	30.085		Monthly Means reduced to sea-level

TABLE II.

Daily and Monthly Means of the Atmospheric Pressure during the year 1888.

Days of Months.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days of Months.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
1st	29.809	29.766	29.819	29.885	29.876	29.943	30.024	30.036	30.083	29.943	29.841	29.868	1st
2nd	29.793	29.772	29.784	29.886	29.881	29.935	30.029	30.033	30.064	29.943	29.847	29.845	2nd
3rd	29.796	29.796	29.780	29.875	29.890	29.909	30.042	30.011	30.062	29.973	29.849	29.818	3rd
4th	29.773	29.787	29.758	29.845	29.903	29.896	30.035	29.978	30.077	30.054	29.859	29.806	4th
5th	29.599	29.701	29.700	29.811	29.919	29.916	30.032	30.002	30.074	30.086	29.852	29.818	5th
6th	29.732	29.648	29.682	29.799	29.879	29.914	30.073	29.997	30.044	30.107	29.854	29.808	6th
7th	29.754	29.731	29.691	29.812	29.819	29.917	30.081	29.931	30.025	30.102	29.849	29.832	7th
8th	29.728	29.774	29.678	29.841	29.845	29.953	30.084	29.936	30.016	30.026	29.847	29.852	8th
9th	29.706	29.828	29.687	29.850	29.863	29.942	30.077	30.006	29.979	29.978	29.824	29.861	9th
10th	29.743	29.808	29.705	29.847	29.872	29.868	30.051	30.063	29.960	29.960	29.815	29.861	10th
11th	29.801	29.764	26.658	29.869	29.868	29.815	30.061	30.083	29.937	29.962	29.860	29.898	11th
12th	29.810	29.759	29.682	29.905	29.852	29.859	30.079	30.094	29.911	29.943	29.918	29.919	12th
13th	29.807	29.750	29.809	29.982	29.837	29.919	30.049	30.109	29.905	29.899	29.925	29.886	13th
14th	29.809	29.762	29.950	30.027	29.843	29.986	29.972	30.088	29.927	29.886	29.899	29.863	14th
15th	29.800	29.757	29.946	29.997	29.858	29.993	29.927	30.059	29.989	29.892	29.856	29.866	15th
16th	29.803	29.764	29.908	29.945	29.844	29.983	29.936	30.035	30.014	29.879	29.843	29.853	16th
17th	29.817	29.781	29.901	29.918	29.863	30.002	29.959	30.014	30.020	29.810	29.854	29.825	17th
18th	29.843	29.767	29.875	29.871	29.898	30.011	29.966	29.980	30.050	29.790	29.837	29.773	18th
19th	29.857	29.774	29.829	29.829	29.905	29.952	29.992	29.988	30.015	29.839	29.839	29.779	19th
20th	29.821	29.747	29.799	29.783	29.898	29.951	30.054	29.988	29.964	29.865	29.866	29.811	20th
21st	29.775	29.763	29.772	29.811	29.888	29.934	30.066	29.945	29.994	29.884	29.873	29.829	21st
22nd	29.726	29.819	29.755	29.870	29.889	29.954	30.066	29.918	30.034	29.927	29.916	29.823	22nd
23rd	29.719	29.822	29.750	29.905	29.881	29.966	30.041	29.944	30.016	29.914	29.952	29.821	23rd
24th	29.731	29.792	29.725	29.913	29.900	30.011	30.002	30.038	29.987	29.887	29.963	29.843	24th
25th	29.742	29.785	29.689	29.921	29.921	30.039	29.997	30.072	29.999	29.887	29.933	29.857	25th
26th	29.745	29.785	29.601	29.935	29.894	30.054	30.065	30.049	30.000	29.890	29.917	29.863	26th
27th	29.733	29.751	29.585	29.945	29.919	30.101	30.116	30.002	29.958	29.873	29.895	29.852	27th
28th	29.749	29.743	29.696	29.943	29.952	30.106	30.114	29.984	29.934	29.845	29.871	29.827	28th
29th	29.775	29.791	29.853	29.941	29 947	30.049	30.075	30.047	29.921	29.857	29 857	29.794	29th
30th	29.806	.....	29.933	29.900	29.948	30.038	30.045	30.076	29.935	29.843	29.883	29.758	30th
31st	29.810	.....	29.902	.....	29.938	.....	30.035	30.083	.....	29.813	.....	29.749	31st
Means.	29.771	29.768	29.771	29.889	29.887	29.964	30.037	30.019	29.996	29.921	29.873	29.834	Means.

METEOROLOGICAL OBSERVATIONS.

TABLE III.

Monthly and Daily Range of the Atmospheric Pressure during 1888.

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) ...	30.082	30.060	30.193	30.258	30.175	30.342	30.353	30.349	30.316	30.335	30.188	30.144	30.233
Lowest " "	29.664	29.792	29.713	29.919	29.960	29.966	30.071	30.075	30.042	29.930	29.954	29.896	29.915
Range in Month	0.418	0.268	0.480	0.339	0.215	0.376	0.282	0.274	0.274	0.405	0.234	0.248	0.318
Mean Range from 4 to 9 hours	0.037	0.048	0.054	0.052	0.051	0.052	0.046	0.048	0.046	0.040	0.037	0.040	0.046
" 9 to 15 "	0.056	0.059	0.063	0.070	0.074	0.068	0.069	0.072	0.083	0.074	0.065	0.056	0.067
" 15 to 22 "	0.067	0.064	0.068	0.065	0.066	0.056	0.059	0.067	0.079	0.082	0.081	0.065	0.068
" 22 to 4 "	0.048	0.053	0.059	0.047	0.043	0.040	0.036	0.043	0.042	0.048	0.053	0.049	0.047
Mean Diurnal Range	0.052	0.056	0.061	0.058	0.058	0.054	0.052	0.057	0.062	0.061	0.059	0.052	0.057

TABLE IV.

Comparison of the Means of the Standard Barometer Readings with the Means of the Barograph Readings for 9 and 15 hours during the year 1888.

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	29.792	29.736	29.764	29.792	29.735	29.763
February	29.795	29.736	29.765	29.794	29.735	29.764
March	29.799	29.736	29.767	29.799	29.736	29.767
April	29.921	29.850	29.885	29.921	29.851	29.886
May	29.921	29.847	29.884	29.921	29.847	29.884
June	29.997	29.929	29.963	29.998	29.930	29.964
July	30.069	30.001	30.035	30.069	30.000	30.034
August	30.051	29.978	30.014	30.050	29.978	30.014
September	30.029	29.948	29.988	30.030	29.947	29.988
October	29.948	29.875	29.911	29.948	29.874	29.911
November	29.896	29.832	29.864	29.896	29.831	29.863
December	29.856	29.801	29.828	29.857	29.801	29.829
Means	29.923	29.856	29.889	29.923	29.855	29.889

TABLE V.

Monthly and Annual Mean Diurnal Variation of the Atmospheric Pressure, deduced from fourteen years' Observations made in 1875-88.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means.	Hours.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
1	+.004	+.006	+.006	+.007	+.006	+.008	+.011	+.010	+.010	+.007	+.004	+.001	+.007	1
2	−.010	−.010	−.009	−.006	−.005	−.004	−.001	−.002	−.002	−.007	−.009	−.012	−.006	2
3	−.017	−.018	−.018	−.015	−.014	−.012	−.009	−.010	−.011	−.014	−.014	−.017	−.014	3
4	−.019	−.020	−.023	−.020	−.019	−.016	−.014	−.016	−.015	−.014	−.013	−.018	−.017	4
5	−.010	−.016	−.017	−.016	−.017	−.016	−.014	−.014	−.010	−.007	−.007	−.010	−.013	5
6	+.004	−.005	−.007	−.006	−.005	−.007	−.006	−.003	+.003	+.005	+.007	+.005	−.001	6
7	+.015	+.008	+.006	+.009	+.009	+.006	+.006	+.010	+.016	+.018	+.018	+.016	+.011	7
8	+.021	+.018	+.020	+.022	+.024	+.023	+.022	+.024	+.029	+.028	+.024	+.021	+.023	8
9	+.022	+.024	+.028	+.031	+.035	+.034	+.035	+.035	+.034	+.030	+.026	+.022	+.030	9
10	+.018	+.021	+.026	+.029	+.032	+.030	+.032	+.034	+.028	+.023	+.018	+.018	+.026	10
11	+.011	+.014	+.019	+.018	+.017	+.019	+.020	+.020	+.015	+.010	+.008	+.011	+.015	11
12	−.001	+.002	+.002	−.004	−.003	−.001	.000	−.002	−.007	−.007	−.006	−.002	−.002	12
13	−.011	−.012	−.015	−.021	−.023	−.023	−.021	−.020	−.025	−.024	−.021	−.013	−.019	13
14	−.024	−.026	−.029	−.034	−.036	−.035	−.035	−.036	−.041	−.038	−.035	−.026	−.033	14
15	−.035	−.034	−.037	−.039	−.038	−.036	−.038	−.042	−.047	−.045	−.042	−.036	−.039	15
16	−.040	−.036	−.036	−.035	−.034	−.033	−.035	−.038	−.044	−.044	−.043	−.039	−.038	16
17	−.033	−.030	−.029	−.025	−.024	−.024	−.026	−.029	−.034	−.034	−.032	−.031	−.029	17
18	−.018	−.017	−.016	−.013	−.012	−.013	−.016	−.017	−.019	−.016	−.015	−.015	−.016	18
19	+.001	+.001	+.001	+.002	+.002	+.001	−.002	−.003	−.001	+.003	+.003	+.002	+.001	19
20	+.015	+.017	+.017	+.019	+.017	+.014	+.012	+.013	+.017	+.019	+.020	+.016	+.016	20
21	+.026	+.029	+.030	+.029	+.025	+.022	+.020	+.022	+.029	+.030	+.029	+.026	+.026	21
22	+.033	+.035	+.033	+.029	+.025	+.024	+.022	+.024	+.030	+.032	+.035	+.033	+.030	22
23	+.030	+.031	+.028	+.025	+.023	+.022	+.020	+.022	+.027	+.028	+.030	+.030	+.026	23
24	+.016	+.019	+.018	+.017	+.015	+.016	+.015	+.018	+.020	+.016	+.016	+.015	+.017	24

METEOROLOGICAL OBSERVATIONS.

TABLE VI.

Temperature of Air, Evaporation and Dew Point during the year 1888.

Observations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means.
Temperature of Air. (*Dry Bulb Ther. in Shade.*)	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.
Monthly Means	77.8	77.6	75.6	73.9	72.7	70.0	68.6	69.0	69.2	71.3	75.8	76.5	73.2
Mean at 6 hours	74.8	74.4	72.6	70.7	69.0	65.9	64.4	65.0	64.7	66.8	71.6	73.4	69.4
„ 9 „	78.7	79.3	77.0	75.3	74.1	71.3	69.7	70.2	71.4	74.6	78.0	78.7	74.9
„ 13 „	80.9	81.2	79.2	78.1	77.2	74.6	73.3	73.6	74.4	76.6	80.3	80.7	77.5
„ 15 „	80.8	80.9	78.6	77.2	76.5	74.1	72.8	73.1	73.8	75.9	80.0	79.7	77.0
Highest Readings	84.3	85.4	82.4	81.3	80.2	78.7	77.0	77.5	79.5	82.7	84.6	85.0	81.5
Lowest „	72.1	70.3	67.2	66.7	63.2	59.3	56.7	57.0	60.4	62.0	67.0	66.0	64.0
Range in Month	12.2	15.1	15.2	14.6	17.0	19.4	20.3	20.5	19.1	20.7	17.6	19.0	17.6
Mean of Highest Daily Readings ...	82.0	82.6	80.6	79.3	78.5	75.9	74.7	74.8	75.8	78.4	82.1	82.3	78.9
„ Lowest „	74.3	73.7	72.1	70.0	68.1	65.1	63.5	64.5	64.1	65.7	70.1	72.4	68.6
Approximate Means	78.1	78.1	76.3	74.6	73.3	70.5	69.1	69.6	69.9	72.0	76.1	77.3	73.7
Mean Diurnal Range	7.7	8.9	8.5	9.3	10.4	10.8	11.2	10.3	11.7	12.7	12.0	9.9	10.3
Greatest „	10.2	12.6	12.2	12.8	14.2	16.0	17.9	17.4	17.2	17.7	16.0	19.0	15.3
Least „	2.7	3.4	6.0	4.6	5.0	8.1	7.5	6.2	8.0	8.3	8.8	3.5	6.0
Temperature of Evaporation. (*Wet Bulb Ther. in Shade.*)													
Monthly Means	73.2	73.8	71.5	69.5	68.3	65.1	63.4	63.9	63.6	66.5	69.5	72.3	68.4
Mean at 6 hours	72.2	72.0	69.9	67.9	66.6	63.1	61.5	62.2	61.8	64.4	68.4	71.1	66.8
„ 9 „	73.9	75.0	72.6	70.9	69.9	66.5	64.8	65.1	64.9	67.8	70.5	73.2	69.6
„ 13 „	74.5	75.7	73.4	71.5	70.4	67.3	65.6	65.5	65.5	68.8	71.0	73.9	70.3
„ 15 „	74.2	75.6	73.1	71.1	70.0	67.1	65.3	65.6	65.5	68.6	70.6	73.5	70.0
Highest Readings	78.7	79.7	77.8	76.6	75.0	72.5	70.3	71.0	70.3	73.5	75.0	77.2	74.8
Lowest „	68.7	68.0	62.5	63.5	61.4	56.0	55.2	54.6	57.1	60.0	59.0	63.3	60.8
Range in Month	10.0	11.7	15.3	13.1	13.6	16.5	15.1	16.4	13.2	13.5	16.0	13.9	14.0
Mean of Highest Daily Readings ...	75.7	77.2	74.9	72.9	71.9	68.9	67.2	67.4	67.1	70.2	72.2	75.4	71.7
„ Lowest „	71.5	71.3	69.3	67.3	65.7	62.2	60.3	61.4	61.1	63.3	67.1	70.0	65.9
Approximate Means	73.6	74.2	72.1	70.1	68.8	65.5	63.7	64.4	64.1	66.7	69.6	72.7	68.8
Mean Diurnal Range	4.2	5.9	5.6	5.6	6.2	6.7	6.9	6.0	6.0	6.9	5.1	5.4	5.9
Greatest „	6.1	8.8	8.5	8.5	10.3	11.9	11.7	11.5	10.5	9.8	8.0	10.4	9.7
Least „	2.8	2.6	3.6	3.2	3.4	3.7	3.7	2.0	3.3	3.0	3.5	3.0	3.1
Dew Point (Deduced.)													
Monthly Means	70.0	71.1	68.6	66.3	65.1	61.4	59.4	59.9	59.4	63.0	65.1	69.4	64.9
Mean at 6 hours	70.3	70.4	67.9	65.8	64.8	60.8	59.1	59.8	59.4	62.6	66.0	69.5	64.7
„ 9 „	70.7	72.0	69.5	67.7	66.7	62.9	60.9	61.3	60.0	62.9	65.3	69.4	65.8
„ 13 „	70.1	72.0	69.2	66.9	65.7	62.0	59.9	60.1	59.0	63.3	64.7	69.3	65.2
„ 15 „	69.8	71.9	69.2	66.8	65.4	61.9	59.7	60.1	59.4	63.5	64.2	69.3	65.1
Highest in Month	75.9	76.3	75.1	73.1	71.4	68.6	65.6	68.3	64.6	68.8	71.2	73.8	71.1
Lowest „	65.0	65.3	58.9	59.1	58.7	51.2	51.1	51.6	51.6	57.3	52.1	63.0	57.1
Range „	10.9	11.0	16.2	14.0	12.7	17.4	14.5	16.7	13.0	11.5	19.1	10.8	14.0
Greatest Diurnal Range	4.3	6.2	6.5	5.7	6.8	8.0	8.9	8.3	8.1	7.8	7.7	5.3	7.0
Least „	0.5	0.6	0.9	0.9	1.7	0.8	1.2	1.1	0.6	0.9	1.4	1.1	1.0

METEOROLOGICAL OBSERVATIONS.

TABLE VII.

Elastic Force of Vapour, Relative Humidity, Cloud and Rainfall during the year 1888.

Observations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means.
Elastic Force of Vapour. (Deduced.)	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.
Monthly Means	.738	.765	.705	.649	.622	.549	.510	.522	.510	.578	.625	.721	.624
Mean at 6 hours	.745	.745	.689	.638	.615	.539	.505	.519	.510	.569	.647	.724	.620
„ 9 „	.754	.787	.727	.681	.659	.578	.539	.546	.521	.576	.628	.720	.643
„ 13 „	.740	.786	.724	.663	.637	.560	.520	.525	.502	.583	.613	.720	.631
„ 15 „	.731	.785	.721	.661	.630	.559	.515	.525	.510	.588	.604	.719	.629
Highest in Month	.897	.909	.872	.815	.769	.700	.632	.693	.606	.703	.765	.834	.766
Lowest „	.617	.625	.496	.503	.494	.378	.376	.383	.383	.471	.389	.573	.474
Range „	.280	.284	.376	.312	.275	.322	.256	.310	.223	.232	.376	.261	.292
Greatest Diurnal Range	.111	.152	.129	.140	.147	.144	.148	.149	.147	.163	.135	.129	.141
Least „	.012	.016	.024	.020	.041	.013	.019	.021	.011	.017	.031	.030	.021
Relative Humidity. (Deduced, Comp. Sat.=100.)	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
Monthly Means	77.9	80.9	79.4	77.6	77.7	74.9	73.5	74.0	72.1	76.0	70.8	79.4	76.2
Mean at 6 hours	86.1	87.4	85.4	84.6	86.3	83.9	83.2	83.7	83.3	86.5	83.0	87.7	85.1
„ 9 „	76.8	78.5	78.1	77.1	77.9	75.1	73.9	73.5	67.5	67.2	65.2	73.2	73.7
„ 13 „	70.1	73.9	72.4	68.8	68.3	65.2	63.3	62.8	59.0	63.7	59.3	69.2	66.3
„ 15 „	69.7	74.5	73.4	70.6	69.1	66.0	63.8	64.3	61.0	65.6	58.7	71.2	67.3
Highest in Month	92.9	93.2	95.0	91.5	92.8	91.0	91.6	94.6	91.6	92.2	92.2	97.0	93.0
Lowest „	57.2	65.0	54.4	54.4	51.8	49.9	46.2	48.9	46.8	51.8	46.1	50.4	51.9
Range „	35.7	28.2	40.6	37.1	41.0	41.1	45.4	45.7	44.8	40.4	46.1	46.6	41.1
Greatest Diurnal Range	27.8	22.5	23.6	27.3	33.7	32.5	35.8	36.9	39.5	37.3	37.9	33.9	32.4
Least „	7.7	4.5	4.9	8.5	5.4	9.5	6.8	4.6	9.9	12.4	7.5	2.0	7.0
Upper Cloud. (10 = Overcast.)													
Monthly Means	1.0	1.9	1.3	0.9	0.7	0.4	0.0	0.1	0.6	0.7	1.3	0.8	0.8
Mean at 6 hours	1.3	2.4	0.8	0.8	0.5	0.7	0.1	0.0	0.9	1.3	1.6	1.2	1.0
„ 9 „	0.8	1.6	1.3	0.9	0.6	0.3	0.1	0.2	0.8	0.7	1.3	0.9	0.8
„ 13 „	0.7	1.3	1.5	0.6	0.7	0.2	0.0	0.1	0.4	0.3	0.9	0.6	0.6
„ 15 „	1.2	2.4	1.8	1.4	1.0	0.3	0.0	0.3	0.3	0.5	1.6	0.5	0.9
Lower Cloud. (10 = Overcast.)													
Monthly Means	5.3	5.1	5.4	4.0	4.2	4.5	4.7	4.9	5.3	5.3	4.8	6.3	5.0
Mean at 6 hours	4.3	4.2	5.1	3.1	3.4	3.9	4.5	4.5	4.6	3.2	3.4	4.8	4.1
„ 9 „	5.6	4.7	5.1	3.9	4.0	4.4	4.6	5.2	5.1	4.6	5.1	6.5	4.9
„ 13 „	6.2	6.0	6.1	5.2	5.1	5.2	5.0	5.4	5.8	6.5	5.8	6.6	5.7
„ 15 „	5.0	5.4	5.5	4.0	4.2	4.3	4.8	4.4	5.8	7.1	5.1	7.5	5.3
	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.
Rainfall*	8.86	8.76	9.83	1.84	0.99	1.64	1.50	2.87	1.03	1.60	1.25	12.64	52.81
No. of days on which rain fell	20	15	19	16	14	16	19	20	16	14	15	23	207
Mean Rainfall for the years 1875–88 ...	6.73	5.92	7.10	5.37	4.79	1.93	2.16	1.96	1.47	1.95	1.93	5.71	47.02
Excess or Defect in 1888...	+2.13	+2.84	+2.73	-3.53	-3.80	-0.29	-0.66	+0.91	-0.44	-0.35	-0.68	+6.93	+5.79

* As recorded by Glaisher's raingauge.

TABLE VIII.

Means and Extremes of the readings of Dry Bulb Thermometers exposed on the Lawn in 1888.

Months.	Maximum Thermometer in Screen.					Minimum Thermometer in Screen.					Minimum Thermometer on grass.					Maximum Temperature in Sun's rays. N. & Z., No. 5,999.					Maximum Temperature in Sun's rays. Hicks, No. 3,647.					Months.
	Means.	Abs: Max.	Dates.	Min.	Dates.	Means.	Max.	Dates.	Abs: Min.	Dates.	Means.	Max.	Dates.	Abs: Min.	Dates.	Means.	Max.	Dates.	Min.	Dates.	Means.	Max.	Dates.	Min.	Dates.	
	°	°		°		°	°		°		°	°		°		°	°		°		°	°		°		
January ...	87.2	90.9	4	82.7	6	71.7	75.3	8	68.4	23	69.3	74.0	8	65.0	24	130.9	138.1	22	113.7	6	150.5	159.0	11 & 30	126.4	6	Jan.
February...	86.4	88.9	3	80.9	6	70.8	75.6	9	65.5	13	68.5	73.4	9	62.0	13	129.9	139.1	29	103.5	6	150.3	160.3	29	116.5	6	Feb.
March ...	84.7	87.4	23	79.5	19	69.9	73.8	25	61.4	16	66.8	71.3	4	55.5	16	128.2	139.6	6	113.7	19	147.6	161.3	6	126.5	19	March
April ...	83.7	86.9	26	79.9	14	67.6	73.8	19	61.0	6	64.3	72.2	19	56.7	6	125.1	131.7	20	116.1	19	142.7	149.8	20	135.2	19	April
May ...	83.6	85.5	8	79.9	5	64.7	70.0	19	58.0	13	59.3	65.4	20 & 21	51.1	13	123.0	129.7	16	115.7	15	140.2	148.0	16	131.6	15	May
June ...	81.1	84.5	6	76.5	30	61.3	68.3	6	54.1	16	56.3	65.1	6	47.8	15	119.0	123.2	3	111.6	19	135.5	140.4	3	127.6	14	June
July ...	79.7	81.7	7	75.3	27	59.9	64.9	6	53.0	17	54.8	61.4	6	47.3	17 & 18	117.2	123.0	7	111.6	15	133.8	142.8	20	129.4	10 & 28	July
August ...	80.7	82.7	30	77.9	5	61.2	66.5	31	52.5	7	56.9	64.0	31	48.1	7	119.5	124.5	28	114.1	11	136.4	142.7	28	131.8	4 & 12	Aug.
September.	81.9	86.1	29	77.2	18	61.1	66.7	30	56.1	27	57.5	63.7	30	52.7	27	123.5	128.6	28 & 29	114.7	18	141.8	149.5	26	129.6	18	Sept.
October ...	84.8	88.7	29	79.4	3	62.7	70.0	23	58.4	17	59.6	68.0	23	54.3	19	126.6	133.3	22	106.0	3	146.0	153.0	26	118.4	3	Oct.
November.	89.2	92.7	23	82.9	12	67.6	72.0	19	63.1	5	64.6	70.0	21	59.1	4	133.4	138.1	19	125.3	17	151.8	158.3	22	144.0	12	Nov.
December..	87.6	91.2	18	75.6	29	70.4	74.7	31	61.9	18	68.4	73.1	31	59.3	18	129.8	137.3	7	96.0	29	147.3	157.0	7	103.0	29	Dec.
Means ...	84.2	87.3		79.0		65.7	71.0		59.4		62.2	68.5		54.9		125.5	132.2		111.8		143.7	151.8		126.7		Means.

The Maximum and Minimum Thermometers are exposed in a Stevenson's Screen.

The readings of two solar radiation vacuum thermometers are given, one by Negretti and Zambra No. 5,999, the bulb being made of bright black glass, and the other by Hicks, No. 3,647, the bulb and about an inch of the stem being coated with lamp black. When compared with the Kew Reference Standard, after being mounted in its glass jacket, Hicks had a correction of—0°.9 at 100 deg.

TABLE IX.

Means and Extremes of the readings of self-registering Wet Bulb Thermometers exposed on the lawn in 1888.

Months.	Maximum Wet Bulb Thermometer.					Minimum Wet Bulb Thermometer.				
	Means.	Highest.	Dates.	Lowest.	Dates.	Means.	Highest.	Dates.	Lowest.	Dates.
	°	°		°		°	°		°	
January	78.4	81.5	25	76.1	2 & 4	70.5	74.0	29	67.2	2 & 23
February	79.9	81.8	28	77.5	13	69.8	73.6	9	64.4	13
March...	77.4	80.8	3	71.6	14	68.4	72.6	4	60.1	16
April	75.6	78.8	18	70.8	13	66.2	72.3	19	60.2	6
May	74.7	78.1	8	72.5	12	63.6	69.3	19	57.4	13
June	71.2	75.5	5	67.7	19	60.2	67.1	6	53.0	15
July	69.6	73.1	9	65.7	26	58.4	64.0	8	52.3	17
August	70.3	73.5	23	66.0	5	59.6	65.2	22	52.0	7
September	69.9	74.1	29	64.6	18	59.2	65.3	30	55.1	27
October	73.1	77.7	22	69.8	19	61.3	69.0	23	57.0	19
November	75.3	78.7	21	67.7	12	65.5	70.9	21	56.4	12
December	78.7	81.3	9	74.3	29	69.3	74.2	31	61.0	18
Means...	74.5	77.9		70.3		64.3	69.8		58.0	

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

METEOROLOGICAL OBSERVATIONS.

TABLE X.

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.	Means.	Max.	Dates.	Min.	Dates.	Range in month.	Means.	Max.	Dates.	Min.	Dates.	Range in month.
	5 feet below.						10 feet below.					
	°	°		°		°	°	°		°		°
January	79.63	80.2	31	79.0	1 to 4	1.2	77.33	77.6	31	77.0	1	0.6
February... ...	80.85	81.2	11	80.2	1	1.0	77.86	78.2	29	77.6	1 & 2	0.6
March	81.26	81.4	12 to 22	81.0	29 to 31	0.4	78.13	78.2	often	78.0	12 to 19	0.2
April	80.53	81.0	1	80.0	30	1.0	78.43	78.6	28 to 30	78.2	1 & 2	0.4
May	79.57	80.0	1 to 7	79.0	29 to 31	1.0	78.63	78.7	13 & 14	78.6	often	0.1
June	78.42	79.0	1	77.7	29 & 30	1.3	78.57	78.6	often	78.5	25 to 30	0.1
July	76.89	77.7	1	76.3	30 & 31	1.4	78.35	78.5	1	78.1	30 to 31	0.4
August	75.88	76.3	1 & 2	75.6	31	0.7	77.86	78.1	1 & 2	77.6	31	0.5
September ...	75.87	76.3	30	75.6	1 to 7	0.7	77.46	77.6	1 to 6	77.3	29 & 30	0.3
October	76.70	77.1	31	76.3	1 to 4	0.8	77.26	77.3	3 & 4	77.2	often	0.1
November ...	78.13	79.0	28 to 30	77.1	1	1.9	77.33	77.4	24 to 30	77.2	1	0.2
December ...	79.85	80.6	31	79.1	1 & 2	1.5	77.66	77.9	31	77.4	1	0.5
Means	78.63	79.1		78.1		1.1	77.91	78.1		77.7		0.3

TABLE XI.

Amount of Evaporation.

Months.	Total Evaporation.	Mean daily Evaporation.	Rainfall.	Excess of Evaporation over Rainfall.
	Inches.	Inches.	Inches.	Inches.
January	7.06	0.235	4.26	+ 2.80
February...	5.67	0.202	6.44	— 0.77
March	4.82	0.161	6.33	— 1.51
April	5.18	0.173	1.93	+ 3.25
May	4.15	0.134	0.95	+ 3.20
June	3.90	0.130	1.74	+ 2.16
July	4.26	0.137	1.49	+ 2.77
August	5.45	0.186	2.95	+ 2.50
September	6.00	0.200	1.05	+ 4.95
October	6.53	0.211	1.60	+ 4.93
November	8.68	0.289	1.29	+ 7.39
December	6.57	0.227	6.70	— 0.13
Totals and Means	68.27	0.190	36.73	+31.54

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, and placed on the lawn. Owing to overflowings, no observations were made on the 6th of January, 8th of February, 19th of March, and 28th and 29th of December.

TABLE XII.

Daily Duration of Bright Sunshine during the year 1888.

Day.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Day.
	Daily Duration of Sunshine.	Percentage of possible Sunshine.	Daily Duration of Sunshine.	Percentage of possible Sunshine.	Daily Duration of Sunshine.	Percentage of possible Sunshine.	Daily Duration of Sunshine.	Percentage of possible Sunshine.	Daily Duration of Sunshine.	Percentage of possible Sunshine.	Daily Duration of Sunshine.	Percentage of possible Sunshine.	Daily Duration of Sunshine.	Percentage of possible Sunshine.	Daily Duration of Sunshine.	Percentage of possible Sunshine.	Daily Duration of Sunshine.	Percentage of possible Sunshine.	Daily duration of Sunshine.	Percentage of possible Sunshine.	Daily Duration of Sunshine.	Percentage of possible Sunshine.	Daily Duration of Sunshine.	Percentage of possible Sunshine.	
	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	Hours.	P. C.	
1	11.8	89	9.6	74	3.9	31	5.9	50	6.5	58	9.9	91	9.7	89	10.6	95	6.8	57	10.0	82	8.4	66	4.6	35	1
2	9.8	74	11.8	91	3.4	27	6.0	51	9.5	84	7.3	67	7.2	66	6.5	58	8.4	72	4.4	36	8.0	62	9.6	73	2
3	10.3	78	11.5	89	1.7	14	8.5	72	10.1	89	8.3	76	8.0	73	8.5	76	8.3	70	.9	7	7.5	59	7.0	53	3
4	10.8	82	2.8	22	1.7	14	11.0	93	4.8	43	7.5	69	8.2	75	4.2	37	6.4	55	3.6	30	10.0	78	8.0	61	4
5	.1	1	4.1	32	5.0	40	10.7	91	3.9	35	2.5	23	9.0	83	8.5	76	5.2	44	9.7	80	10.3	80	5.8	44	5
6	.1	1	.0	0	3.3	27	7.2	62	9.8	87	3.8	35	8.2	75	8.8	79	6.9	58	7.2	59	10.6	82	2.1	16	6
7	5.3	40	1.3	10	4.0	33	10.7	91	10.2	91	5.5	50	8.9	82	9.7	86	4.5	38	6.3	51	10.4	81	5.3	40	7
8	7.9	60	4.6	36	8.1	66	10.8	92	7.7	69	9.1	83	7.1	65	3.7	33	7.3	62	11.3	92	4.7	36	11.3	86	8
9	10.4	79	.0	0	5.4	44	10.4	89	9.8	87	9.2	84	4.3	39	9.0	80	8.0	68	10.2	82	11.2	87	9.0	68	9
10	.5	4	4.6	36	5.8	47	10.1	86	10.0	89	8.3	76	7.8	72	9.3	82	10.0	85	7.9	64	8.4	65	9.7	73	10
11	4.6	35	5.7	45	0.2	2	10.4	89	9.8	87	7.2	66	7.6	69	9.5	84	6.3	53	3.0	24	11.6	90	10.1	77	11
12	3.4	26	6.9	54	3.8	31	9.7	84	10.4	94	7.8	72	8.3	76	7.7	68	8.4	71	4.5	36	3.5	27	9.6	72	12
13	11.0	83	8.1	64	2.8	23	8.5	73	4.8	43	9.1	83	9.8	90	6.8	60	11.1	93	4.3	35	8.4	65	9.2	69	13
14	8.1	61	8.0	63	8.2	67	7.0	60	5.5	50	9.4	86	10.2	93	6.0	53	9.5	80	6.2	50	8.4	65	10.5	79	14
15	11.6	89	11.2	88	6.9	57	7.9	68	2.7	24	10.3	94	10.5	95	7.4	65	7.6	64	8.4	67	8.5	65	11.5	86	15
16	10.3	79	6.9	54	10.3	85	7.9	68	7.7	69	9.0	83	8.5	77	10.1	89	3.0	25	4.1	33	7.7	59	8.3	62	16
17	4.0	31	0.6	5	10.0	83	7.2	62	10.3	93	8.3	76	10.5	95	9.7	85	7.0	58	5.8	46	3.4	26	6.5	49	17
18	11.5	88	9.4	74	10.0	83	4.4	38	8.3	75	6.3	58	9.6	87	6.0	53	2.6	22	5.2	41	9.8	75	8.2	62	18
19	10.0	76	0.2	2	.0	0	1.0	9	2.5	23	6.3	58	1.3	12	7.3	64	8.9	74	6.1	48	7.1	55	5.9	44	19
20	11.5	88	2.8	22	1.9	16	4.9	43	2.5	23	7.4	68	8.4	76	6.5	57	10.5	87	9.5	75	9.2	71	5.8	44	20
21	10.7	82	9.9	79	4.7	39	9.8	85	4.5	41	5.7	52	8.1	74	1.9	20	10.7	89	1.2	10	8.8	67	5.8	44	21
22	7.4	57	10.6	84	8.6	72	10.2	89	10.1	92	7.0	64	9.4	85	3.7	32	7.8	64	7.8	62	4.8	37	4.4	33	22
23	11.5	88	7.2	57	8.9	74	9.5	83	10.4	95	5.2	48	10.4	94	5.0	43	3.7	31	7.6	60	11.4	87	9.8	74	23
24	11.1	85	9.3	74	8.0	67	9.9	87	10.2	93	8.9	82	5.2	47	6.6	57	7.6	63	8.3	65	11.6	89	10.2	77	24
25	8.6	66	10.6	85	3.8	32	10.1	89	10.1	92	7.8	72	10.3	93	2.9	25	5.6	46	2.5	20	10.1	77	.6	5	25
26	10.5	81	8.8	70	9.6	80	8.9	78	8.5	77	7.7	71	8.3	75	10.5	91	5.9	49	8.9	70	10.6	81	4.9	37	26
27	10.0	77	10.2	81	9.4	79	7.0	61	8.4	76	6.8	62	6.9	62	10.4	90	9.9	81	10.8	85	11.1	85	.0	0	27
28	11.0	85	6.3	50	10.3	87	6.5	57	8.0	73	8.4	77	5.0	45	9.9	85	8.4	69	8.7	69	5.1	39	.0	0	28
29	9.9	76	7.4	59	10.9	92	9.8	87	6.7	61	8.7	80	7.0	62	9.9	85	10.6	87	11.1	87	7.4	56	.0	0	29
30	9.2	71	...	...	6.8	57	5.8	51	10.2	93	7.1	65	8.2	73	10.5	91	11.1	91	11.1	87	4.8	36	4.6	35	30
31	7.0	54	...	...	6.1	51	...	...	7.2	65	...	...	6.4	57	9.8	84	...	...	9.8	77	...	...	4.7	35	31
Totals & Means.	259.9	66	190.4	52	183.5	49	247.7	71	241.1	70	225.8	69	248.3	73	236.9	67	228.0	64	216.4	56	252.8	65	203.0	49	Totals & Means.

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 XIII.

Total Amount of Bright Sunshine registered in each hour of the day for each month of the year 1888.

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	.3	12.8	20.8	21.2	23.4	23.2	22.1	23.0	22.3	23.6	23.1	25.0	18.0	1.1	259.9	406.3	66
February	.2	13.7	18.8	19.9	18.3	16.8	16.9	18.2	17.5	15.7	13.6	12.6	7.7	.5	190.4	368.2	52
March	...	6.5	17.1	18.9	21.2	20.1	17.4	17.8	15.6	15.2	14.6	12.9	6.2	...	183.5	376.5	49
April	...	4.8	23.5	25.0	24.7	26.5	25.7	25.2	23.0	21.6	24.3	18.3	4.9	...	247.7	347.3	71
May	...	2.5	21.8	24.6	25.9	26.1	24.9	22.9	23.1	23.4	22.7	19.3	3.9	...	241.1	344.3	70
June	...	1.0	15.9	21.6	21.5	23.4	26.2	25.4	21.4	21.7	22.7	21.1	3.9	...	225.8	327.0	69
July	...	1.8	18.7	22.8	24.9	23.9	26.4	27.6	26.1	25.7	24.6	21.8	4.0	...	248.3	340.9	73
August	...	3.9	16.6	19.5	22.3	23.2	24.4	25.6	25.1	25.1	24.9	21.6	4.7	..	236.9	353.2	67
September	...	6.6	16.8	22.1	24.2	24.1	23.3	22.7	22.3	21.0	19.4	16.6	8.9	...	228.0	358.2	64
October	...	13.6	23.4	24.8	25.8	22.9	20.1	19.5	16.5	13.8	14.0	13.6	8.4	...	216.4	387.5	56
November	...	15.2	21.5	24.0	24.8	24.9	25.0	23.6	21.5	23.7	20.5	15.9	12.0	.2	252.8	389.8	65
December	.1	13.4	18.4	21.3	21.5	21.5	20.0	18.4	15.7	14.8	13.0	13.6	9.8	1.5	203.0	411.3	49

The hours are reckoned from apparent midnight.

TABLE XIV.

Daily Rainfall in inches.—January to December, 1888.

Day.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Day.
1	*0.010	.....	0.035	0.075	.....	0.050	.....	.....	0.060	.....	.....	0.700	1
2	.060	.....	.750	.130	.....	.....	0.095	.....	.....	.....	.....	.065	2
3	.015	.....	.560	.210	.....	.....	.235	0.005	.015	0.005	0.010	.....	3
4	·130	.....	.920	.....	0.010	.055	.020	.....	.050	.....	.020	.....	4
5	4.300	0.400	.140	.050	*.315	.080	.050	.....	.005	.....	.....	.880	5
6	.725	2.520	.100	.....	.....	.....	.065	.020	.125	.035	.....	.160	6
7	.005	1.980	.....	.....	.....	.....	.....	.....	.075	.255	.....	.200	7
8	.210	.835	.015	.070	‡.010	.....	.060	.420	.080	.055	.....	.....	8
9	.175	.135	.200	.035	.....	.040	.065	.175	.160	.020	.....	.580	9
10	.....	.080	.740	.....	‡.005	.070	.055	.320	.....	.010	.015	.025	10
11	.285	.375	1.055	.....	.....	.480	.060	.090	.....	.350	.....	.040	11
12	1.215	.....	.045	.050	.....	.....	.....	.....	.....	.090	.....	.050	12
13	.030	.....	.....	.075	.070	.....	.....	.050	.....	.010	.060	.050	13
14	030	.160	.020	.110	.....	.040	.020	.155	.....	.....	.250	.....	14
15	.....	.....	.....	.165	.065	.....	.....	.110	.....	.055	.020	.145	15
16	.355	.....	.010	.120	.....	.....	.....	.090	.....	.030	.....	.290	16
17	.210	.220	.070	.085	.....	.....	.....	.045	.015	.025	.....	.....	17
18	.....	.....	.055	.440	.....	.....	.....	.025	.....	.335	.....	.....	18
19	‡.005	.565	4.495	.235	*.040	.....	.....	.220	.....	.....	.235	.025	19
20	‡.010	*.330	.125	.015	.....	.030	.025	.005	.015	.....	.075	.470	20
21	‡.010	.025	.055	‡.005	.....	.115	.175	.585	.....	.300	.170	.215	21
22	.....	.160	.....	.....	.....	.340	.045	.030	.015	.....	.065	.030	22
23	.....	.365	.....	.....	.....	.010	.....	.155	.105	.....	.030	.....	23
24	.435	.....	.025	‡.010	.....	.040	.100	.365	.200	.....	.185	.....	24
25	.085	.....	.390	.....	*.010	.020	.....	.025	.100	.025	.025	.525	25
26	.050	.....	.....	.....	.150	.....	.020	.....	.040	.....	.....	.090	26
27	.020	.....	.....	.....	.150	.085	.160	.....	.....	.....	.....	1.885	27
28	.175	.565	‡.005	.....	.015	.....	.045	.....	.....	.....	.130	3.545	28
29	.485	.125	.....	.015	.060	.040	.130	.020	.015	.....	.....	2.735	29
30	.020	.....	.....	.060	.050	.250	.005	.....	.015	.....	.....	0.050	30
31	.015	.....	.060	.....	.....	.....	.060	.....	.....	.....	.....	.050	31
Totals	9.065	8.840	9.870	1.955	0.950	1.745	1.490	2.910	1.090	1.600	1.290	12.805	Totals.

The above and the two following tables have been compiled from the daily record of Beckley's Self-Recording Raingauge by Hicks. In the above table the daily falls are the falls from midnight to midnight, with the exception of those days, marked with an asterisk, during the whole or part of which, the trace was for one cause or another defective. On such occasions, the amount of rain, found in the gauge at 9 hours, and which had fallen in the course of the previous 24 hours, has been put down to the day on which it was measured. ‡ dew.

TABLE XV.

Hourly Rainfall in inches.—January to July, 1888.

Hours.	January.			February.			March.			April.			May.			June.			July.		
	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.
	Inch.	h. m.		Inch.	h. m.		Inch.	h. m.		Inch.	h. m.		Inch.	h. m.		Inch.	h. m.		Inch.	h. m.	
1	0.185	1—20	4	0.465	1—32	4	0.175	1—23	7	0.080	0—45	3	...	...	...	0.210	0—59	4	0.040	0—19	4
2	.145	1—00	5	.685	1—05	3	.115	0—53	3	.095	0—30	4	...	...	...	.185	0—35	4	.015	0—07	1
3	.060	0—37	3	.035	0—15	1	.165	1—35	4	.370	1—15	5	0.010	0—07	1	.165	0—56	3	.020	0—10	1
4	.100	0—05	1	.270	1—05	2	.180	1—57	6	.070	0—41	5	...	...	...	.395	1—08	4	.025	0—20	1
5	.605	1—40	7	.040	0—45	1	.145	2—02	6	.140	1—45	5	.035	0—20	2	.085	0—49	5	.055	0—33	6
6	.035	0—20	2	.110	0—07	1	.135	1—29	4	.050	0—35	4	.080	1—20	3	.175	0—45	2	.245	1—15	6
7	.170	1—00	4	.700	1—27	2	.250	2—12	6	.085	0—22	3	.160	1—45	5	.020	0—13	2	.200	1—05	6
8	.500	1—29	5	.230	0—55	2	.385	1—30	5	.035	0—12	2	.090	1—10	2	.040	0—29	3	.095	0—48	6
9	1.125	2—35	8	.460	0—52	2	1.190	2—20	4	.060	0—45	3	.125	1—20	5	.060	0—27	3	.050	0—30	3
10	0.465	1—25	3	.520	0—42	4	0.245	0—42	3	...	.....	...	.090	0—35	2	.040	0—20	2	.070	0—50	3
11	.245	1—00	1	.490	0—47	3	.525	1—42	5	...	.....	...	...	...	...	.030	0—20	1	.100	0—46	4
12	.100	0—40	1	.770	1—35	5	1.455	1—37	3	.020	0—10	1	.020	0—07	1	...	...	...	.005	0—03	1
13	.045	0—20	1	.785	0—57	4	0.420	1—10	3	.020	0—15	1	.055	0—30	2	...	...	...	.095	0—20	3
14	.200	0—25	1	.125	0—25	2	.175	0—40	5	.215	1—05	2	.095	0—30	3	.050	0—15	1	.040	0—21	3
15	1.000	1—00	1	.205	0—27	2	.170	1—17	7	.125	0—32	3	.020	0—07	1	.025	0—10	1	.010	0—08	2
16	0.350	1—00	1	.200	0—22	1	.460	1—03	4	.130	1—07	5	...	...	...	...	...	...	.030	0—14	3
17	.250	1—00	1	.020	0—20	1	.535	1—54	7	.045	0—40	2	...	...	...	.060	0—12	1	.030	0—18	4
18	.475	1—00	1	.060	0—47	2	.505	1—35	7	.045	0—30	1	.035	0—05	1	.010	0—05	1	.065	0—20	4
19	.330	1—00	1	.685	1—43	5	.190	0—43	4	.045	0—27	2	.025	0—10	1	...	...	...	.070	0—38	5
20	.665	1—45	3	.720	2—27	4	.520	1—13	3	.015	0—10	1	...	...	...	.070	0—35	1	.080	0—28	3
21	.260	1—34	4	.015	0—15	1	.955	2—00	3	...	.....	...	.060	0—15	1	...	...	...	.030	0—22	2
22	1.040	2—30	7	.080	0—25	2	.145	1—40	4	.045	0—20	3	.015	0—07	1	.075	0—22	3	.045	0—25	4
23	0.445	2—05	5	.790	1—00	3	.595	1—50	5	.065	0—32	5	.020	0—15	1	.005	0—05	1	.055	0—32	4
24	.225	1—28	4	.050	0—35	4	.235	2—30	7	.185	0—55	5	...	...	...	.045	0—17	2	.020	0—07	1
Totals...	9.020	28—18	74	8.510	20—50	61	9.870	36—57	115	1.940	13—33	65	0.935	8—43	32	1.745	9—02	44	1.490	10—59	80

TABLE XV.—*(Continued.)*

Hourly Rainfall in inches.—August to December, 1888.

Hours.	August.			September.			October.			November.			December.			Means.		
	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.	Total Rainfall.	Duration of Rain fall.	No. of times rain fell.
	Inch.	h. m.		Inch.	h. m.		Inch.	h. m.		Inch.	h. m.		Inch.	h. m.		Inch.	h. m.	
1	0.180	0—47	3	0.040	0—09	2	0.015	0—20	2	0.060	0—31	4	0.400	1—35	4	0.154	0—48	3.4
2	.190	0—53	2	.055	0—25	2	.035	0—20	2	.175	0—29	4	.490	2—28	7	.182	0—44	3.1
3	.080	0—47	5	.160	0—32	4	.005	0—02	1	.060	0—10	1	1.225	3—07	6	.196	0—48	2.9
4	.045	0—30	5	.050	0—30	2	.055	0—15	1	.035	0—10	2	.920	2—36	8	.179	0—46	3.1
5	.145	1—05	7	.045	0—23	3	...	...	...	.170	1—00	3	1.825	4—42	9	.274	1—15	4.5
6	.345	1—20	6	.015	0—10	2	.045	1—07	2	.010	0—08	2	.795	3—05	5	.170	0—58	3.2
7	.030	0—23	4	.105	0—45	6	.035	0—15	2	.110	1—20	4	.640	2—05	4	.209	1—04	4.0
8	.130	0—59	5	.070	0—35	6	...	...	...	.020	0—10	1	.600	1—27	3	.183	0—49	3.3
9	.150	0—56	7	.015	0—09	2	.025	0—20	1	.010	0—03	1	.770	3—09	6	.337	1—07	3.7
10	.095	0—28	3	...	...	...	...	...	...	...	...	...	.535	1—40	4	.172	0—33	2.0
11	.020	0—05	1	...	...	...	...	...	...	...	...	...	.165	1—40	3	.131	0—32	1.5
12	.075	0—27	3	.010	0—05	1	.005	0—03	1	...	...	...	.125	0—40	2	.215	0—27	1.6
13	.260	0—35	3	...	...	...	.025	0—15	2	.020	0—10	1	.300	1—29	5	.169	0—30	2.1
14	.190	0—27	2	.005	0—07	1	.010	0—05	1	...	...	...	.635	2—42	6	.145	0—35	2.2
15	.060	0—20	3	...	...	...	.030	0—22	2	...	...	...	.890	3—30	7	.211	0—39	2.4
16	.005	0—05	1	.050	0—35	4	.775	1—25	4	.015	0—05	1	.260	2—15	3	.190	0—41	2.2
17	.265	0—32	3	.090	0—44	4	.050	0—24	4	.040	0—25	2	.170	1—39	5	.130	0—41	2.8
18	.085	0—30	5	.005	0—03	1	.055	0—20	2	.080	0—32	3	.555	2—12	7	.165	0—40	2.9
19	.010	0—03	1	.050	0—07	1	.010	0—05	1	.015	0—05	1	.595	2—12	6	.169	0—36	2.3
20	.020	0—08	3	.005	0—03	1	.080	0—40	1	.145	0—52	6	.195	1—01	6	.210	0—47	2.7
21	.050	0—12	3	.005	0—03	1	.155	1—05	2	.040	0—18	3	.125	0—40	5	.141	0—34	2.1
22	.090	0—26	5	.005	0—03	1	.035	1—00	1	.085	0—40	5	.215	0—55	3	.156	0—44	3.2
23	.240	0—55	4	.080	0—23	4	.115	0—56	5	.130	0—42	5	.230	1—22	3	.231	0—53	3.7
24	.150	0—47	4	.230	0—30	2	.040	0—13	3	.070	0—30	3	.145	1—00	5	.116	0—44	3.3
Totals ...	2.910	13—40	88	1.090	6—21	50	1.600	9—32	40	1.290	8—20	52	12.805	49—11	122	4.435	17—55	68.2

METEOROLOGICAL OBSERVATIONS.

TABLE XVI.
Greatest Rainfall in one day and in one hour in 1888.

Months.	Greatest falls in 1 day.	Day.	Greatest intensities of the Rainfall.
	Inches.		Inch.
January	4.300	5	1.200 from 14 h. to 15 h. 17 m. on 5th
February	2.520	6	0.600 „ 21.53 m. to 22.23 m. on 7th
March	4.495	19	1.260 „ 11.06 m. to 11.56 m. on 19th
April	0.440	18	0.150 „ 1.50 m. to 2.20 m. on 18th
May	0.315	5	0.065 „ 13.10 m. to 13.25 m. on 15th
June	0.480	11	0.450 „ 2.55 m. to 3.45 m. on 11th
July	0.235	3	0.100 „ 5.15 m. to 5.40 m. on 21st
August	0.585	21	0.220 „ 16.40 m. to 17.05 m. on 19th
September	0.200	24	0.200 „ 23.45 m. to 24.00 m. on 24th
October	0.350	11	0.335 „ 15.07 m. to 15.30 m. on 18th
November	0.250	14	0.100 „ 1.45 m. to 2.00 m. on 21st
December	3.545	28	0.860 „ 3.38 m. to 4.30 m. on 28th

TABLE XVII.
Daily Amount of Ozone.

Days.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Days.
1st	3.	0.	0.	6.	6.5	6.	6.	4.	4.5	6.	3.	4.	1st
2nd	5.	0.	4.5	5.5	4.	4.	6.	3.5	5.5	4.5	4.	5.5	2nd
3rd	3.5	0.	3.5	6.5	5.5	5.	5.	4.5	6.	3.5	5.	5.5	3rd
4th	4.	0.	1.	6.	6.	6.	8.	5.	5.	5.	4.	4.	4th
5th	5.5	1.	3.	6.	5.5	6.5	5.5	5.	4.5	6.	4.	4.	5th
6th	1.	4.	2.5	6.	5.	7.	7.	7.5	3.5	3.5	2.	3.5	6th
7th	4.5	4.5	5.5	5.5	5.5	4.	5.5	6.	4.	3.	1.	3.5	7th
8th	3.	5.	4.5	5.	6.	5.5	6.5	5.	5.5	5.5	2.5	6.	8th
9th	1.	5.	4.	5.	6.	7.	9.	5.5	5.	4.5	3.5	4.	9th
10th	0.	4.5	5.5	4.5	5.	5.	5.	4.5	6.	6.	2.5	5.5	10th
11th	1.5	1.	6.5	4.	8.	3.	6.	5.	6.	5.	3.5	3.5	11th
12th	3.	1.	5.	3.5	5.5	6.5	5.	5.	5.	4.	6.	4.5	12th
13th	3.5	2.	5.5	5.5	5.	7.	4.	4.5	4.5	3.5	3.	4.	13th
14th	3.	3.5	6.	7.	6.	7.5	3.5	4.5	3.5	5.	4.5	3.5	14th
15th	4.5	3.	5.	5.	3.	6.	4.	5.	4.	5.5	4.	5.	15th
16th	4.5	2.5	5.	6.	3.5	5.5	4.5	9.	5.	4.	4.5	3.5	16th
17th	5.5	5.	6.	5.5	5.	5.	6.	7.	6.	4.5	3.5	3.	17th
18th	4.	4.5	5.5	5.	2.	6.5	3.5	4.5	5.5	4.5	3.	2.	18th
19th	4.5	4.	7.	7.	6.	5.	5.	7.5	4.5	6.5	3.	4.	19th
20th	5.	5.	7.5	4.5	5.5	6.5	5.5	5.	4.	3.5	3.5	2.5	20th
21st	4.	3.5	5.	5.5	5.	6.	9.	4.5	5.	4.5	6.	5.5	21st
22nd	5.	4.	4.	5.	5.5	4.	4.5	3.5	6.5	4.	4.5	3.5	22nd
23rd	4.	4.5	4.5	7.	6.	4.5	6.	4.	8.	4.	4.	4.	23rd
24th	5.	2.5	4.	5.	6.	6.	5.	5.5	4.5	3.	4.5	2.5	24th
25th	4.5	5.	4.	6.	6.5	6.	7.	4.5	4.	1.5	5.5	3.	25th
26th	4.5	4.5	5.	5.	7.	6.	6.	4.	5.	3.	3.5	3.5	26th
27th	4.	3.5	4.	4.5	6.	6.5	6.	6.5	4.5	3.	4.	5.	27th
28th	3.5	1.	5.5	5.	6.5	5.	7.	4.	4.5	1.	5.	6.5	28th
29th	4.	1.	6.	5.5	5.5	7.	6.	4.5	5.5	3.5	5.5	4.5	29th
30th	4.	...	6.5	4.	8.5	6.	6.	6.	5.	3.	5.	3.	30th
31st	2.	...	4.5	...	5.	...	6.	5.5	...	4.5	...	3.5	31st
Means	3.7	2.9	4.7	5.4	5.5	5.7	5.8	5.2	5.0	4.1	3.9	4.0	Means.

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

TABLE XVIII.

Number of times the wind blew from.

Months.	North. 0.0 0.5	N. b. E. 1.0 1.5	N. N. E. 2.0 2.5	N. E. b. N. 3.0 3.5	N. E. 4.0 4.5	N. E. b. E. 5.0 5.5	E. N. E. 6.0 6.5	E. b. N. 7.0 7.5	East. 8.0 8.5	E. b. S. 9.0 9.5	E. S. E. 10.0 10.5	S. E. b. E. 11.0 11.5	S. E. 12.0 12.5	S. E. b. S. 13.0 13.5	S. S. E. 14.0 14.5	S. b. E. 15.0 15.5	South. 16.0 16.5	S. b. W. 17.0 17.5	S. S. W. 18.0 18.5	S. W. b. S. 19.0 19.5	S. W. 20.0 20.5	S. W. b. W. 21.0 21.5	W. S. W. 22.0 22.5	W. b. S. 23.0 23.5	West. 24.0 24.5	W. b. N. 25.0 25.5	W. N. W. 26.0 26.5	N. W. b. W. 27.0 27.5	N. W. 28.0 28.5	N. W. b. N. 29.0 29.5	N. N. W. 30.0 30.5	N. b. W. 31.0 31.5	Calms.	Variables.	Totals.	Months.
January ...	3	11	33	13	5	38	29	77	55	103	189	89	35	15	...	...	1	...	1	...	...	...	2	4	3	1	1	6	2	8	7	11	2	...	744	January
February..	35	13	12	24	17	94	56	87	56	44	53	26	17	1	14	2	1	...	...	...	1	1	2	12	22	19	15	3	3	28	12	4	1	21	696	February
March	4	3	...	...	...	21	11	30	48	51	202	157	57	65	36	24	11	5	...	5	...	1	6	2	1	...	..	...	...	...	4	...	...	...	744	March
April	...	...	...	...	...	...	1	19	38	76	291	199	49	28	17	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	720	April
May	...	...	2	2	...	33	42	81	110	108	164	88	58	26	23	2	...	2	1	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	744	May
June	...	1	...	2	...	14	16	31	28	107	150	124	148	53	14	11	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	17	1	...	720	June
July	...	...	1	...	5	22	...	16	36	117	251	162	59	12	23	6	1	1	...	1	4	...	2	14	3	2	2	2	2	...	...	...	...	...	744	July
August.....	1	...	...	...	...	20	13	20	36	134	241	152	49	30	17	8	4	...	...	...	...	...	...	...	...	...	1	4	1	1	12	...	...	...	744	August
September.	...	...	...	...	...	36	42	67	50	67	143	146	57	23	13	15	12	12	2	...	...	2	3	11	...	10	...	...	...	...	...	...	...	...	720	September
October ...	10	6	6	10	8	47	43	50	45	70	92	103	37	60	19	7	14	6	24	1	2	...	1	2	8	2	30	3	11	18	5	1	3	...	744	October
November..	...	10	12	11	44	45	111	154	67	42	90	43	23	24	7	4	...	...	1	2	2	...	5	2	...	1	...	1	1	14	3	1	...	...	720	November
December..	1	33	13	13	20	36	78	159	75	69	56	65	40	11	4	7	35	2	...	...	5	4	2	1	3	...	...	...	1	1	1	...	...	...	744	December
Totals.....	54	77	79	75	108	406	442	791	653	988	1922	1354	629	348	187	86	80	28	30	9	15	9	23	48	41	35	49	19	21	71	45	34	7	21	8784	Totals.
Percentages	0.62	0.88	0.90	0.85	1.23	4.63	5.03	9.00	7.43	11.25	21.88	15.41	7.16	3.96	2.13	0.98	0.91	0.32	0.34	0.10	0.17	0.10	0.26	0.55	0.47	0.40	0.56	0.22	0.24	0.81	0.51	0.39	0.08	0.24	100.00	Percentages.

This table has been compiled from hourly tabulations of the anemograms, taking 32 points and giving the number of times the wind came from an arc of 5°–37′ in advance of each point.

TABLE XIX.

Observed mean hourly velocity of the wind in 1888.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means.	Hours.
	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.	
1 ...	8.8	5.8	7.7	9.3	6.2	6.8	8.2	8.0	7.2	6.7	7.0	6.5	7.3	1
2 ...	9.2	5.4	8.1	8.9	6.5	6.7	8.5	8.1	6.6	6.9	6.8	6.8	7.4	2
3 ...	8.6	6.3	7.8	8.8	5.9	6.3	8.9	8.2	7.3	7.1	6.5	6.5	7.3	3
4 ...	9.0	5.8	8.4	8.4	5.8	6.7	8.5	8.2	7.3	7.1	6.3	6.4	7.3	4
5 ...	8.6	6.1	7.6	9.1	6.1	7.0	8.2	8.5	7.5	7.3	6.8	6.4	7.4	5
6 ...	8.7	6.3	7.6	8.7	6.4	6.7	7.9	8.3	7.7	7.1	7.0	6.9	7.4	6
7 ...	10.1	6.0	8.4	9.1	6.3	6.7	7.8	8.5	7.1	7.9	9.7	8.6	8.0	7
8 ...	14.4	8.8	11.0	12.1	7.6	7.5	9.4	11.2	10.8	10.4	13.6	10.9	10.6	8
9 ...	15.4	9.3	12.7	15.3	10.9	9.6	12.4	14.9	14.0	11.8	14.2	12.0	12.7	9
10 ...	16.2	10.3	14.2	16.0	12.3	12.2	15.0	16.3	14.6	12.3	14.7	12.6	13.9	10
11 ...	16.1	10.6	14.2	16.7	12.1	13.8	15.3	17.0	14.7	12.5	15.0	13.2	14.3	11
12 ...	16.5	11.3	14.7	16.9	12.0	14.7	16.6	17.4	15.1	13.0	15.1	13.3	14.7	12
13 ...	16.2	11.2	14.5	16.1	11.8	15.2	16.5	17.2	15.4	12.3	14.9	12.7	14.5	13
14 ...	16.6	12.1	14.4	16.5	12.7	14.8	16.9	17.9	15.4	12.0	15.6	13.0	14.8	14
15 ...	16.2	10.8	13.7	15.9	12.3	13.8	15.9	17.0	14.8	11.3	14.7	12.1	14.0	15
16 ...	15.8	9.6	13.2	15.8	11.2	13.4	15.2	16.5	14.2	11.3	14.1	12.0	13.5	16
17 ...	14.8	8.7	11.2	13.1	9.0	10.2	12.0	13.8	12.5	10.4	12.6	11.0	11.6	17
18 ...	13.5	7.2	9.3	10.8	6.9	7.9	9.2	10.8	9.9	8.7	11.2	10.1	9.6	18
19 ...	10.6	5.8	8.2	9.1	6.4	7.5	8.7	9.3	7.8	7.8	8.8	7.9	8.2	19
20 ...	9.5	5.9	8.0	9.9	7.0	7.4	8.8	9.0	7.9	7.2	8.2	7.6	8.0	20
21 ...	9.5	5.6	7.9	9.2	6.3	7.5	8.3	8.2	7.6	7.7	7.9	7.1	7.7	21
22 ...	9.2	5.8	8.4	9.3	6.1	7.1	8.7	8.6	7.3	7.3	7.8	7.1	7.7	22
23 ...	9.0	6.1	8.0	9.3	6.1	7.0	8.5	8.3	7.1	6.7	7.3	6.8	7.5	23
24 ...	9.1	5.6	8.1	9.4	6.1	7.5	8.3	8.4	7.1	6.8	7.3	6.7	7.5	24
Means ...	12.2	7.8	10.3	11.8	8.3	9.3	11.0	11.7	10.3	9.2	10.5	9.3	10.1	Means.

TABLE XX.

Observed mean daily and monthly velocity of the wind in 1888.

Days of Month.	January. Velocity in miles per hour.	February. Velocity in miles per hour.	March. Velocity in miles per hour.	April. Velocity in miles per hour.	May. Velocity in miles per hour.	June. Velocity in miles per hour.	July. Velocity in miles per hour.	August. Velocity in miles per hour.	September. Velocity in miles per hour.	October. Velocity in miles per hour.	November. Velocity in miles per hour.	December. Velocity in miles per hour.	Days of Month.
1st	13.6	6.1	4.4	14.4	6.7	9.5	13.7	10.6	16.5	7.7	6.8	10.2	1st
2nd	13.7	5.8	6.8	13.7	8.7	9.2	9.9	10.5	14.2	4.8	7.3	9.4	2nd
3rd	16.1	6.4	4.8	13.1	10.9	6.9	13.9	10.0	10.7	10.3	7.8	6.6	3rd
4th	19.2	5.1	4.6	11.1	9.4	6.3	11.1	10.1	11.6	17.7	7.4	6.9	4th
5th	30.8	9.9	5.2	12.9	9.7	6.1	12.4	14.6	10.0	16.9	8.1	5.9	5th
6th	19.9	10.9	5.8	8.9	10.1	7.7	12.2	9.9	10.7	15.5	8.1	5.2	6th
7th	16.2	8.4	10.0	8.9	7.3	6.1	12.1	8.7	10.1	15.8	8.4	8.2	7th
8th	11.2	9.7	9.0	13.6	8.4	8.0	11.6	8.1	11.0	12.6	9.8	12.8	8th
9th	5.1	8.1	9.2	15.1	9.4	8.3	11.8	10.4	11.1	12.4	8.4	13.4	9th
10th	5.9	5.7	9.6	16.9	8.5	5.2	12.3	15.4	9.6	12.6	9.6	9.8	10th
11th	8.2	4.3	12.4	16.5	9.2	6.6	9.0	14.4	7.5	6.0	19.3	9.0	11th
12th	7.3	4.9	9.2	14.7	7.4	8.3	11.9	14.5	6.5	5.0	14.2	10.8	12th
13th	9.9	5.1	13.0	16.2	7.3	8.1	10.1	16.4	8.4	6.8	14.6	12.7	13th
14th	11.4	10.3	13.1	15.4	8.3	11.8	8.2	15.1	8.4	8.7	15.2	12.1	14th
15th	13.6	8.3	11.0	11.4	6.5	10.6	6.9	9.9	11.1	8.1	11.2	11.8	15th
16th	13.1	8.1	12.7	13.6	5.5	9.4	6.2	10.1	11.0	5.7	9.8	9.4	16th
17th	12.8	8.8	13.6	14.5	6.7	7.7	6.3	9.7	12.3	6.3	9.1	8.7	17th
18th	13.8	6.7	15.1	17.3	7.5	5.5	6.5	6.7	12.5	9.3	10.9	8.2	18th
19th	14.0	9.7	15.1	13.6	6.6	10.6	8.6	11.0	8.7	8.8	9.8	6.3	19th
20th	12.9	10.1	12.0	6.8	7.4	9.0	9.5	13.9	8.8	7.2	11.7	7.2	20th
21st	11.5	9.0	8.3	6.6	5.7	10.0	10.6	9.5	10.2	11.6	9.3	8.3	21st
22nd	9.7	10.0	7.7	9.5	7.0	12.2	12.1	5.2	11.6	12.0	7.7	7.1	22nd
23rd	9.4	9.6	8.4	11.7	7.8	11.6	12.7	7.2	10.4	10.5	9.4	10.7	23rd
24th	10.2	8.9	10.5	7.4	7.4	14.7	6.7	17.5	10.7	7.1	13.4	8.9	24th
25th	12.2	9.0	10.7	8.5	9.1	14.1	8.6	17.2	10.8	6.2	12.3	9.0	25th
26th	11.7	7.6	6.6	8.2	9.9	8.8	16.0	14.0	8.8	8.0	13.2	9.8	26th
27th	11.2	7.4	7.6	9.8	9.6	10.8	17.5	12.5	8.2	6.0	14.4	12.4	27th
28th	10.0	5.8	12.0	8.1	12.4	11.2	17.1	8.1	8.3	5.0	10.1	13.0	28th
29th	9.6	5.1	16.9	8.0	11.0	11.6	13.5	11.7	8.1	5.4	8.7	9.9	29th
30th	7.6	.....	17.4	8.1	9.5	13.6	10.8	14.0	10.0	6.5	10.4	8.7	30th
31st	5.0	.....	16.7	.....	7.1	.....	10.3	14.6	.....	7.5	.....	7.2	31st
Means ...	12.2	7.8	10.3	11.8	8.3	9.3	11.0	11.7	10.3	9.2	10.5	9.3	Means.

TABLE XXI.

Mean Hourly and Monthly North and East Components of the Wind in 1888.

Months.	January.		February.		March.		April.		May.		June.		July.		Months.
Hours.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	Hours.
1	−1.78	+ 7.23	+0.02	+3.87	−3.38	+ 5.97	−4.48	+ 7.81	−2.17	+ 5.15	−3.74	+ 5.08	−3.50	+ 6.98	1
2	−1.67	+ 7.66	+0.20	+3.50	−3.39	+ 6.43	−4.07	+ 7.71	−2.50	+ 5.36	−3.62	+ 5.14	−4.05	+ 6.98	2
3	−1.77	+ 7.15	+0.53	+3.80	−3.67	+ 5.85	−4.17	+ 7.46	−2.03	+ 4.88	−3.17	+ 4.83	−4.23	+ 7.52	3
4	−1.95	+ 7.20	+0.85	+3.53	−3.97	+ 6.40	−4.27	+ 6.97	−2.22	+ 4.79	−3.07	+ 5.26	−3.79	+ 6.99	4
5	−2.13	+ 6.81	+0.41	+4.50	−4.05	+ 5.82	−4.37	+ 7.63	−2.30	+ 5.11	−3.06	+ 5.54	−3.97	+ 6.85	5
6	−2.15	+ 6.87	+0.34	+4.68	−4.00	+ 5.85	−4.54	+ 7.12	−2.68	+ 5.23	−3.16	+ 5.30	−3.89	+ 6.60	6
7	−2.40	+ 8.12	+0.21	+4.56	−4.70	+ 6.38	−4.61	+ 7.55	−2.46	+ 5.24	−3.32	+ 5.10	−4.01	+ 6.47	7
8	−2.08	+12.11	+1.32	+6.03	−5.61	+ 8.79	−5.89	+10.22	−3.09	+ 6.36	−3.65	+ 5.87	−4.62	+ 7.83	8
9	−1.24	+12.84	+2.55	+5.98	−5.78	+ 9.63	−6.88	+13.29	−3.45	+ 9.43	−3.72	+ 7.83	−4.24	+10.85	9
10	−0.07	+13.26	+3.77	+6.10	−5.63	+11.36	−6.76	+14.01	−2.48	+11.39	−3.96	+10.25	−4.85	+13.25	10
11	+0.07	+13.18	+3.68	+5.65	−5.09	+11.10	−5.30	+15.13	−1.69	+11.24	−4.79	+11.40	−4.95	+11.96	11
12	+0.64	+13.24	+3.92	+5.40	−5.33	+11.42	−6.03	+15.28	−0.74	+10.85	−4.63	+12.40	−5.12	+12.43	12
13	+0.27	+12.90	+4.03	+5.53	−5.34	+11.03	−5.49	+14.33	−0.83	+10.68	−4.43	+12.31	−5.15	+12.10	13
14	−0.01	+12.98	+4.74	+6.14	−5.72	+10.91	−6.27	+14.60	−0.77	+11.76	−5.56	+12.14	−5.19	+12.81	14
15	+0.06	+12.47	+4.12	+5.18	−5.60	+10.36	−5.91	+14.32	−1.11	+11.54	−5.24	+11.21	−5.63	+11.86	15
16	−0.28	+12.19	+3.14	+4.26	−6.16	+ 9.92	−6.45	+14.02	−1.97	+10.36	−5.27	+10.84	−6.22	+11.54	16
17	−1.49	+11.89	+1.89	+4.01	−5.57	+ 8.41	−5.93	+11.28	−2.07	+ 8.15	−4.23	+ 8.32	−5.24	+ 9.35	17
18	−1.70	+11.46	+1.08	+3.97	−4.95	+ 7.16	−4.96	+ 9.24	−1.93	+ 6.16	−3.87	+ 6.25	−3.71	+ 7.35	18
19	−2.08	+ 8.86	+0.82	+3.15	−4.36	+ 6.34	−4.53	+ 7.72	−2.02	+ 5.58	−3.55	+ 5.93	−3.67	+ 6.94	19
20	−1.94	+ 7.94	+0.61	+3.58	−4.15	+ 6.22	−4.79	+ 8.42	−2.33	+ 6.05	−3.68	+ 5.86	−3.72	+ 7.14	20
21	−2.16	+ 7.93	+0.51	+3.31	−4.21	+ 5.99	−4.60	+ 7.72	−1.88	+ 5.51	−3.40	+ 6.23	−3.72	+ 6.65	21
22	−1.94	+ 7.60	+0.84	+3.20	−4.68	+ 6.32	−4.13	+ 7.98	−1.94	+ 5.25	−3.51	+ 5.57	−3.94	+ 6.96	22
23	−1.75	+ 7.36	+0.56	+3.43	−4.15	+ 6.33	−4.61	+ 7.88	−1.92	+ 5.17	−3.59	+ 5.56	−3.61	+ 7.09	23
24	−1.86	+ 7.46	+0.11	+3.13	−4.12	+ 6.43	−4.84	+ 7.75	−1.88	+ 5.15	−4.00	+ 5.85	−3.83	+ 6.75	24
Means ...	−1.31	+ 9.86	+1.68	+4.44	−4.73	+ 7.93	−5.16	+10.23	−2.02	+ 7.35	−3.93	+ 7.50	−4.37	+ 8.80	Means.

TABLE XXI.—*(Continued.)*

Mean Hourly and Monthly North and East Components of the Wind in 1888.

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.
1	−3.38	+ 6.67	−3.01	+ 5.04	−2.70	+4.25	−1.05	+ 5.66	−0.71	+ 5.52	−2.49	+ 5.77	−0.01	−2.24	1
2	−3.46	+ 6.41	−2.88	+ 4.52	−2.90	+4.07	−0.88	+ 5.60	−0.55	+ 5.74	−2.48	+ 5.76	0.00	−2.25	2
3	−3.43	+ 6.48	−3.66	+ 4.84	−3.25	+4.50	−0.81	+ 5.42	−0.81	+ 5.63	−2.54	+ 5.70	−0.06	−2.31	3
4	−3.73	+ 6.63	−3.45	+ 4.89	−3.41	+4.48	−0.67	+ 5.16	−0.92	+ 5.43	−2.55	+ 5.64	−0.07	−2.37	4
5	−4.40	+ 6.50	−3.80	+ 5.47	−3.69	+4.92	−0.87	+ 5.66	−0.79	+ 5.49	−2.75	+ 5.86	−0.27	−2.15	5
6	−4.58	+ 6.47	−3.53	+ 5.90	−3.43	+5.04	−1.62	+ 5.72	−1.22	+ 5.96	−2.87	+ 5.89	−0.39	−2.12	6
7	−4.51	+ 6.60	−2.98	+ 5.59	−3.21	+6.04	−1.57	+ 8.14	−0.85	+ 7.52	−2.87	+ 6.44	−0.39	−1.57	7
8	−4.90	+ 9.32	−3.86	+ 9.12	−2.58	+8.60	−0.72	+11.07	−0.21	+ 9.16	−2.99	+ 8.71	−0.51	+0.70	8
9	−5.43	+13.27	−4.10	+11.91	−2.06	+9.74	−0.19	+11.66	+0.98	+10.35	−2.80	+10.56	−0.32	+2.55	9
10	−5.29	+14.36	−2.84	+12.84	−0.49	+9.83	+0.71	+11.63	+2.25	+ 9.90	−2.14	+11.51	+0.34	+3.50	10
11	−5.20	+14.84	−3.67	+11.60	+0.40	+8.75	+1.85	+11.79	+2.64	+10.09	−1.84	+11.39	+0.64	+3.38	11
12	−4.65	+14.98	−2.88	+12.03	+0.92	+9.05	+2.54	+11.86	+2.77	+ 9.93	−1.55	+11.57	+0.93	+3.56	12
13	−4.87	+14.99	−3.29	+12.23	+1.07	+8.69	+2.57	+11.37	+2.67	+ 9.81	−1.57	+11.33	+0.91	+3.32	13
14	−5.37	+15.51	−3.80	+12.36	+1.02	+7.77	+2.38	+11.82	+2.30	+ 9.95	−1.85	+11.56	+0.63	+3.55	14
15	−5.22	+14.83	−4.02	+11.28	+0.20	+6.64	+1.81	+11.26	+2.14	+ 9.37	−2.03	+10.86	+0.45	+2.85	15
16	−5.35	+14.18	−4.38	+10.86	−1.80	+6.55	+0.55	+10.84	+0.58	+ 9.92	−2.80	+10.46	−0.32	+2.45	16
17	−5.04	+11.73	−3.90	+ 9.65	−2.56	+6.47	−0.60	+ 9.72	−0.72	+ 8.91	−2.96	+ 8.99	−0.48	+0.98	17
18	−4.09	+ 9.27	−3.87	+ 7.34	−3.03	+5.58	−1.23	+ 8.81	−0.86	+ 8.42	−2.76	+ 7.68	−0.28	−0.33	18
19	−4.06	+ 7.73	−2.89	+ 5.79	−2.83	+5.29	−1.43	+ 7.35	−1.14	+ 6.42	−2.64	+ 6.42	−0.16	−1.59	19
20	−3.94	+ 7.48	−3.07	+ 5.91	−2.90	+4.89	−1.35	+ 7.00	−1.19	+ 6.45	−2.70	+ 6.41	−0.22	−1.60	20
21	−3.66	+ 6.62	−3.39	+ 5.49	−2.99	+4.56	−0.94	+ 6.68	−1.11	+ 5.86	−2.63	+ 6.05	−0.15	−1.96	21
22	−4.03	+ 6.83	−3.00	+ 5.38	−3.05	+4.63	−1.14	+ 6.56	−1.46	+ 5.78	−2.66	+ 6.00	−0.18	−2.01	22
23	−3.53	+ 6.85	−3.05	+ 5.07	−2.32	+4.11	−1.14	+ 6.04	−1.15	+ 5.50	−2.52	+ 5.87	−0.04	−2.14	23
24	−3.37	+ 7.08	−2.78	+ 5.24	−2.26	+4.46	−1.26	+ 6.04	−0.75	+ 5.45	−2.57	+ 5.90	−0.09	−2.11	24
Means ...	−4.40	+ 9.82	−3.42	+ 7.93	−1.99	+6.20	−0.21	+ 8.47	−0.08	+ 7.61	−2.48	+ 8.01			Means.

TABLE XXII.

Computed Mean Hourly and Monthly Direction and Velocity of the Wind in 1888.

Months.	January.		February.		March.		April.		May.		June.		July.		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.	Velocity in miles per hour.	Direction.	Hours.
1... ...	7.45	S 76°—10′E	3.87	N 89°—42′E	6.86	S 60°—29′E	9.00	S 60°—10′E	5.59	S 67°—09′E	6.31	S 53°—38′E	7.84	S 63°—28′E	1
2... ...	7.84	S 77 —42 E	3.51	N 86 —44 E	7.27	S 62 —12 E	8.72	S 62 —10 E	5.91	S 65 —01 E	6.29	S 54 —51 E	8.07	S 59 —53 E	2
3... ...	7.37	S 76 —06 E	3.84	N 82 —04 E	6.91	S 57 —54 E	8.55	S 60 —48 E	5.28	S 67 —25 E	5.78	S 56 —43 E	8.63	S 60 —39 E	3
4... ...	7.46	S 74 —51 E	3.63	N 76 —28 E	7.53	S 58 —11 E	8.17	S 58 —30 E	5.28	S 65 —08 E	6.09	S 59 —44 E	7.95	S 61 —32 E	4
5... ...	7.13	S 72 —38 E	4.52	N 84 —48 E	7.09	S 55 —10 E	8.79	S 60 —12 E	5.60	S 65 —46 E	6.33	S 61 —05 E	7.92	S 59 —54 E	5
6... ...	7.20	S 72 —37 E	4.69	N 85 —51 E	7.09	S 55 —38 E	8.44	S 57 —29 E	5.88	S 62 —52 E	6.17	S 59 —12 E	7.66	S 59 —29 E	6
7... ...	8.47	S 73 —32 E	4.56	N 87 —22 E	7.92	S 53 —37 E	8.85	S 58 —36 E	5.79	S 64 —51 E	6.09	S 56 —56 E	7.61	S 58 —13 E	7
8... ...	12.28	S 80 —15 E	6.17	N 77 —39 E	10.45	S 57 —27 E	11.79	S 60 —03 E	7.07	S 64 —05 E	6.90	S 58 —02 E	9.09	S 59 —27 E	8
9... ...	12.90	S 84 —29 E	6.50	N 66 —54 E	11.23	S 59 —02 E	14.96	S 62 —38 E	10.04	S 69 —54 E	8.67	S 64 —35 E	11.65	S 68 —39 E	9
10... ...	13.26	S 89 —42 E	7.17	N 58 —17 E	12.68	S 63 —38 E	15.55	S 64 —15 E	11.66	S 77 —43 E	10.99	S 68 —53 E	14.11	S 69 —54 E	10
11... ...	13.18	N 89 —42 E	6.74	N 56 —55 E	12.21	S 65 —22 E	16.03	S 70 —42 E	11.37	S 81 —27 E	12.36	S 67 —13 E	12.94	S 67 —31 E	11
12... ...	13.26	N 87 —14 E	6.67	N 54 —01 E	12.60	S 64 —59 E	16.43	S 68 —28 E	10.88	S 86 —06 E	13.24	S 69 —32 E	13.44	S 67 —37 E	12
13... ...	12.90	N 88 —48 E	6.84	N 53 —55 E	12.25	S 64 —10 E	15.35	S 69 —02 E	10.71	S 85 —33 E	13.08	S 70 —12 E	13.15	S 66 —57 E	13
14... ...	12.98	S 89 —57 E	7.76	N 52 —20 E	12.32	S 62 —20 E	15.89	S 66 —46 E	11.78	S 86 —15 E	13.35	S 65 —24 E	13.82	S 67 —57 E	14
15... ...	12.47	N 89 —43 E	6.62	N 51 —30 E	11.78	S 61 —36 E	15.49	S 67 —34 E	11.59	S 84 —30 E	12.52	S 65 —15 E	13.13	S 64 —36 E	15
16... ...	12.19	S 88 —41 E	5.29	N 53 —36 E	11.68	S 58 —10 E	15.43	S 65 —18 E	10.54	S 79 —14 E	12.05	S 64 —04 E	13.11	S 61 —41 E	16
17... ...	11.93	S 82 —51 E	4.43	N 64 —46 E	10.09	S 56 —29 E	12.77	S 62 —04 E	8.41	S 75 —45 E	9.33	S 63 —03 E	10.72	S 60 —44 E	17
18... ...	11.59	S 81 —34 E	4.11	N 74 —47 E	8.70	S 55 —21 E	10.49	S 61 —46 E	6.45	S 72 —36 E	7.35	S 58 —14 E	8.23	S 63 —13 E	18
19... ...	9.10	S 76 —47 E	3.25	N 75 —25 E	7.69	S 55 —29 E	8.95	S 59 —36 E	5.93	S 70 —06 E	6.91	S 59 —06 E	7.85	S 62 —08 E	19
20... ...	8.17	S 76 —16 E	3.63	N 80 —20 E	7.50	S 56 —25 E	9.69	S 60 —22 E	6.48	S 68 —56 E	6.92	S 57 —52 E	8.05	S 62 —29 E	20
21... ...	8.22	S 74 —46 E	3.55	N 81 —14 E	7.32	S 54 —54 E	8.99	S 59 —13 E	5.82	S 71 —10 E	7.10	S 61 —23 E	7.62	S 60 —47 E	21
22... ...	7.84	S 75 —41 E	3.31	N 75 —18 E	7.86	S 53 —29 E	8.99	S 62 —38 E	5.60	S 69 —43 E	6.59	S 57 —47 E	8.00	S 60 —29 E	22
23... ...	7.56	S 76 —38 E	3.48	N 80 —44 E	7.57	S 56 —45 E	9.13	S 59 —40 E	5.51	S 69 —38 E	6.62	S 57 —09 E	7.96	S 63 —01 E	23
24... ...	7.69	S 76 —00 E	3.13	N 87 —59 E	7.64	S 57 —21 E	9.14	S 58 —01 E	5.48	S 69 —57 E	7.09	S 55 —38 E	7.76	S 60 —26 E	24
Means ...	9.95	S 82°—26′E	4.75	N 69°—16′E	9.23	S 59°—11′E	11.46	S 63°—14′E	7.62	S 74°—38′E	8.47	S 62°—21′E	9.82	S 63°—35′E	Means.

TABLE XXII.—*(Continued.)*

Computed Mean Hourly and Monthly Direction and Velocity of the Wind in 1888.

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.
1	7.48	S 63°—08′E	5.89	S 58°—54′E	5.03	S 57°—34′E	5.76	S 79°—29′E	5.57	S 82°—40′E	6.28	S 66°—39′E	—2.10	S 6°—09′	1
2	7.28	S 61 —38 E	5.36	S 57 —30 E	5.00	S 54 —32 E	5.68	S 81 —04 E	5.77	S 84 —32 E	6.27	S 66 —42 E	—2.11	S 6 —06	2
3	7.33	S 62 —06 E	6.07	S 52 —54 E	5.55	S 54 —10 E	5.48	S 81 —30 E	5.69	S 81 —49 E	6.24	S 65 —59 E	—2.14	S 6 —49	3
4	7.61	S 60 —38 E	5.98	S 54 —48 E	5.63	S 52 —43 E	5.20	S 82 —36 E	5.51	S 80 —23 E	6.19	S 65 —40 E	—2.19	S 7 —08	4
5	7.85	S 55 —54 E	6.66	S 55 —13 E	6.15	S 53 —08 E	5.73	S 81 —16 E	5.55	S 81 —49 E	6.47	S 64 —52 E	—1.91	S 7 —56	5
6	7.93	S 54 —42 E	6.87	S 59 —06 E	6.10	S 55 —46 E	5.94	S 74 —11 E	6.08	S 78 —26 E	6.55	S 64 —01 E	—1.83	S 8 —47	6
7	7.99	S 55 —39 E	6.33	S 61 —56 E	6.84	S 62 —01 E	8.29	S 79 —05 E	7.57	S 83 —33 E	7.05	S 65 —59 E	—1.33	S 6 —49	7
8	10.53	S 62 —16 E	9.90	S 67 —04 E	8.98	S 73 —18 E	11.09	S 86 —17 E	9.16	S 88 —41 E	9.21	S 71 —03 E	+0 83	S 1 —45	8
9	14.34	S 67 —45 E	12.60	S 71 —00 E	9.96	S 78 —03 E	11.66	S 89 —04 E	10.40	N 84 —35 E	10.92	S 75 —09 E	+2.54	N 2 —21	9
10	15.30	S 69 —47 E	13.15	S 77 —32 E	9.84	S 87 —09 E	11.65	N 86 —30 E	10.15	N 77 —12 E	11.71	S 79 —28 E	+3.33	N 6 —40	10
11	15.72	S 70 —41 E	12.17	S 72 —27 E	8.76	N 87 —23 E	11.93	N 81 —05 E	10.43	N 75 —20 E	11.54	S 80 —49 E	+3.16	N 8 —01	11
12	15.69	S 72 —45 E	12.37	S 76 —32 E	9.10	N 84 —12 E	12.13	N 77 —55 E	10.31	N 74 —25 E	11.67	S 82 —22 E	+3.29	N 9 —34	12
13	15.76	S 72 —00 E	12.66	S 74 —57 E	8.76	N 82 —59 E	11.66	N 77 —16 E	10.17	N 74 —46 E	11.44	S 82 —07 E	+3.06	N 9 —19	13
14	16.41	S 70 —54 E	12.93	S 72 —55 E	7.84	N 82 —31 E	12.06	N 78 —37 E	10.21	N 76 —59 E	11.71	S 80 —54 E	+3.33	N 8 —06	14
15	15.72	S 70 —37 E	11.97	S 70 —23 E	6.64	N 88 —16 E	11.40	N 80 —52 E	9.61	N 77 —08 E	11.05	S 79 —25 E	+2.67	N 6 —37	15
16	15.16	S 69 —20 E	11.71	S 68 —02 E	6.79	S 74 —38 E	10.85	N 87 —06 E	9.94	N 86 —39 E	10.83	S 75 —01 E	+2.45	N 2 —13	16
17	12.77	S 66 —45 E	10.41	S 68 —00 E	6.96	S 68 —25 E	9.74	S 86 —28 E	8.94	S 85 —23 E	9.46	S 71 —47 E	+1.08	S 1 —01	17
18	10.13	S 66 —12 E	8.30	S 62 —12 E	6.35	S 61 —30 E	8.90	S 82 —03 E	8.46	S 84 —10 E	8.16	S 70 —14 E	—0.22	S 2 —34	18
19	8.73	S 62 —17 E	6.47	S 63 —28 E	6.00	S 61 —51 E	7.49	S 78 —59 E	6.52	S 79 —56 E	6.94	S 67 —39 E	—1.44	S 5 —09	19
20	8.45	S 62 —13 E	6.66	S 62 —33 E	5.68	S 59 —20 E	7.13	S 79 —05 E	6.56	S 79 —33 E	6.96	S 67 —10 E	—1.42	S 5 —38	20
21	7.56	S 61 —04 E	6.45	S 58 —18 E	5.45	S 56 —45 E	6.75	S 81 —59 E	5.96	S 79 —16 E	6.60	S 66 —30 E	—1.78	S 6 —18	21
22	7.93	S 59 —27 E	6.16	S 60 —51 E	5.54	S 56 —38 E	6.66	S 80 —08 E	5.96	S 75 —49 E	6.56	S 66 —05 E	—1.82	S 6 —43	22
23	7.71	S 62 —44 E	5.92	S 58 —58 E	4.72	S 60 —33 E	6.15	S 79 —19 E	5.62	S 78 —11 E	6.39	S 66 —46 E	—1.99	S 6 —02	23
24	7.84	S 64 —33 E	5.93	S 62 —03 E	5.00	S 63 —08 E	6.17	S 78 —13 E	5.50	S 82 —10 E	6.44	S 66 —28 E	—1.94	S 6 —20	24
Means...	10.76	S 65°—52′E	8.64	S 66°—40′E	6.51	S 72°—12′E	8.45	S 88°—35′E	7.61	N 89°—24′E	8.38	S 72°—48′E			Means.

TABLE XXIII.

Mean Daily and Monthly North and East Components of the Wind in 1888.

Months.	January.		February.		March.		April.		May.		June.		Months.
Days.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	Days.
1st	− 4.77	+12.37	+0.93	− 5.17	− 0.60	+ 1.69	−4.31	+13.42	−5.57	+ 3.08	−4.98	+ 7.80	1st
2nd	− 9.60	+ 9.42	−0.40	− 3.36	− 3.96	+ 5.30	−3.87	+12.79	−4.40	+ 7.20	−4.53	+ 7.84	2nd
3rd	− 7.16	+14.14	+1.09	− 6.07	− 1.82	+ 2.27	−3.58	+12.39	−5.76	+ 9.09	−3.13	+ 5.42	3rd
4th	−11.80	+14.89	+3.54	+ 0.27	+ 0.50	+ 3.98	−4.82	+ 9.87	−5.67	+ 6.87	+0.36	+ 5.57	4th
5th	− 8.58	+26.49	+6.84	+ 6.70	+ 0.08	+ 3.58	−5.61	+11.53	−2.70	+ 8.64	−0.59	+ 5.34	5th
6th	+ 9.71	+17.20	+8.77	+ 4.68	− 3.72	+ 2.83	−5.15	+ 6.90	−4.32	+ 8.97	−2.12	+ 7.03	6th
7th	+11.32	+10.72	+6.22	+ 3.75	− 6.16	+ 7.35	−6.13	+ 6.33	+0.13	+ 6.84	+0.69	+ 5.72	7th
8th	+10.67	− 0.81	+5.25	+ 7.56	− 2.61	+ 8.25	−7.56	+11.13	+2.08	+ 7.81	−2.16	+ 7.67	8th
9th	− 0.78	− 3.77	+3.02	+ 7.23	− 0.73	+ 8.91	−8.09	+12.56	−0.93	+ 8.77	−1.10	+ 7.72	9th
10th	− 2.94	+ 4.53	+1.18	+ 5.43	− 1.64	+ 8.97	−8.49	+14.40	−2.80	+ 7.88	+2.13	+ 2.45	10th
11th	− 0.37	+ 7.93	+1.50	+ 3.89	− 6.43	+10.18	−8.02	+14.20	−3.69	+ 8.39	−3.73	+ 1.50	11th
12th	+ 0.13	+ 6.83	+0.32	+ 4.29	− 7.92	+ 4.15	−7.30	+12.63	−2.66	+ 6.65	−6.57	+ 4.92	12th
13th	− 0.86	+ 9.58	−3.73	+ 0.92	−11.18	+ 6.25	−8.12	+13.87	−2.91	+ 5.11	−6.30	+ 4.61	13th
14th	− 4.35	+10.25	−6.62	+ 7.05	− 8.22	+10.03	−6.35	+13.85	−5.77	+ 5.56	−8.41	+ 7.89	14th
15th	− 3.96	+12.69	−0.68	+ 7.92	− 5.64	+ 9.29	−4.93	+ 9.98	−3.94	+ 4.71	−5.79	+ 8.62	15th
16th	− 4.80	+11.92	−2.40	+ 7.43	− 5.21	+11.42	−6.26	+11.97	−3.15	+ 2.99	−4.89	+ 7.76	16th
17th	− 2.90	+12.05	−3.35	+ 7.82	− 5.90	+12.07	−6.47	+12.78	−2.48	+ 6.17	−3.14	+ 6.70	17th
18th	− 3.52	+13.09	+1.14	+ 6.27	− 7.20	+13.22	−6.67	+15.63	−0.02	+ 7.21	−4.10	+ 3.48	18th
19th	− 4.28	+13.05	−0.54	+ 9.13	− 4.84	+13.79	−5.37	+12.17	+1.19	+ 6.19	−8.95	+ 5.26	19th
20th	− 3.77	+12.09	−1.46	+ 9.73	− 2.03	+11.53	−1.36	+ 6.33	+1.94	+ 6.92	−5.74	+ 6.75	20th
21st	− 3.23	+10.68	+3.97	+ 7.30	− 1.71	+ 7.95	−4.01	+ 4.08	+0.60	+ 5.41	−7.20	+ 6.70	21st
22nd	− 0.76	+ 9.12	+3.21	+ 9.35	− 4.06	+ 6.33	−4.30	+ 7.86	−0.07	+ 6.83	−5.63	+10.50	22nd
23rd	− 2.58	+ 8.81	+2.59	+ 9.00	− 4.97	+ 6.52	−5.20	+10.38	+0.98	+ 7.63	−3.66	+10.77	23rd
24th	− 1.67	+ 9.62	+0.45	+ 8.63	− 4.42	+ 9.42	−3.57	+ 6.31	+0.10	+ 7.35	−3.47	+14.01	24th
25th	− 1.12	+11.34	+0.80	+ 8.55	− 5.22	+ 9.26	−2.75	+ 7.41	−2.16	+ 8.70	−1.00	+13.75	25th
26th	− 4.42	+10.50	+3.62	+ 5.26	− 3.02	− 1.77	−3.35	+ 7.31	−3.17	+ 9.10	−2.76	+ 8.15	26th
27th	− 0.55	+10.68	+7.05	+ 0.93	− 7.28	+ 1.20	−0.71	+ 9.57	−1.07	+ 9.32	−5.62	+ 8.89	27th
28th	+ 0.88	+ 9.69	+3.10	− 3.90	− 9.87	+ 6.42	−2.27	+ 7.53	−2.76	+11.92	−3.66	+10.30	28th
29th	+ 4.08	+ 8.20	+3.26	− 1.91	− 7.84	+14.77	−3.95	+ 6.88	−1.63	+10.59	−5.78	+ 9.87	29th
30th	+ 6.98	+ 2.84	.....	.....	− 7.98	+15.35	−6.32	+ 4.70	−0.87	+ 9.37	−5.95	+12.09	30th
31st	+ 4.36	− 0.91	.....	.....	− 5.12	+15.50	.....	.....	−1.09	+ 6.60	.....	.....	31st
Means	− 1.31	+ 9.86	+1.68	+ 4.44	− 4.73	+ 7.93	−5.16	+10.23	−2.02	+ 7.35	−3.93	+ 7.50	Means.

TABLE XXIII.—*(Continued.)*

Mean Daily and Monthly North and East Components of the Wind in 1888.

Months.	July.		August.		September.		October.		November.		December.		Months.
Days.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	Days.
1st	− 5.72	+12.36	− 4.38	+ 9.34	−8.74	+13.85	+3.11	+ 6.81	+ 4.77	+ 4.28	+2.13	+ 9.52	1st
2nd	− 3.95	+ 8.78	− 4.47	+ 9.39	−4.15	+13.30	+3.13	+ 0.22	+ 4.58	+ 4.67	+4.43	+ 8.13	2nd
3rd	− 5.19	+12.60	− 6.00	+ 7.77	−1.17	+ 9.98	−5.65	+ 5.99	+ 3.62	+ 6.34	+4.23	+ 4.71	3rd
4th	− 4.00	+10.19	− 9.19	+ 3.24	−4.37	+10.47	−9.80	+14.47	+ 0.67	+ 5.42	+3.90	+ 5.45	4th
5th	− 5.44	+10.98	−12.20	+ 7.68	−5.15	+ 8.42	−8.05	+14.67	+ 2.04	+ 6.90	+1.08	+ 2.71	5th
6th	− 3.88	+11.30	− 7.32	+ 6.10	−5.31	+ 9.09	−6.38	+13.85	+ 3.77	+ 6.92	−3.14	+ 0.30	6th
7th	− 2.72	+11.54	− 3.81	+ 7.35	−5.19	+ 8.50	−4.27	+14.63	+ 3.46	+ 7.48	−3.61	+ 6.17	7th
8th	− 2.54	+11.10	− 0.73	+ 7.70	−4.69	+ 9.43	−0.82	+12.32	+ 5.65	+ 7.68	−3.02	+12.18	8th
9th	− 2.22	+11.25	− 2.84	+ 9.71	−3.70	+10.28	−0.58	+12.06	+ 6.92	+ 0.68	+0.71	+13.13	9th
10th	− 2.73	+11.72	− 5.18	+14.36	−2.13	+ 9.22	−1.05	+12.12	− 3.48	− 4.71	+2.63	+ 9.30	10th
11th	− 2.62	+ 8.34	− 5.65	+13.00	+1.33	+ 7.05	0.00	+ 3.23	−16.75	+ 9.10	+0.94	+ 8.77	11th
12th	− 6.43	+ 9.80	− 7.07	+12.48	−0.14	+ 1.78	+0.16	− 3.05	− 9.62	+10.02	−1.62	+10.40	12th
13th	− 5.42	+ 8.40	− 6.03	+15.06	−2.54	− 5.72	−3.63	+ 1.57	− 7.51	+11.89	−2.48	+12.20	13th
14th	− 3.29	+ 7.28	− 4.61	+14.05	−8.20	− 0.42	−4.25	+ 6.86	− 5.04	+13.89	+2.23	+11.84	14th
15th	− 1.25	+ 0.35	− 4.55	+ 8.51	−9.78	+ 4.05	+0.54	+ 7.20	+ 2.21	+10.82	+2.03	+11.51	15th
16th	− 0.42	+ 1.72	− 4.24	+ 9.05	−7.49	+ 7.72	−2.25	+ 2.90	+ 2.07	+ 9.51	−0.18	+ 9.17	16th
17th	+ 0.87	+ 3.10	− 3.73	+ 8.91	−8.74	+ 8.03	−2.25	+ 2.76	+ 3.62	+ 7.99	−2.95	+ 7.89	17th
18th	+ 0.68	+ 1.92	− 1.56	+ 6.00	−8.68	+ 8.11	−4.87	+ 4.07	+ 0.27	+10.65	−6.45	+ 4.58	18th
19th	− 6.65	+ 3.93	− 1.45	+10.60	−1.80	+ 7.94	−6.42	+ 3.53	+ 2.18	+ 9.42	−2.40	− 0.25	19th
20th	− 5.15	+ 7.64	− 2.12	+13.55	−0.47	+ 8.19	−2.54	0.00	+ 0.72	+11.35	−2.50	+ 3.66	20th
21st	− 4.41	+ 9.34	+ 2.79	+ 8.82	−4.99	+ 8.60	−6.31	+ 8.46	+ 2.40	+ 8.80	−5.55	+ 6.08	21st
22nd	− 5.07	+10.77	+ 3.90	− 0.07	−3.78	+10.64	−3.27	+11.06	+ 0.84	+ 7.34	−5.34	+ 3.77	22nd
23rd	− 5.54	+11.27	− 2.55	+ 4.40	−4.12	+ 9.30	−3.42	+ 9.57	− 3.12	+ 8.55	−4.01	+ 9.61	23rd
24th	− 3.15	+ 5.32	− 5.13	+16.23	−5.58	+ 8.48	+0.09	+ 4.11	− 3.37	+12.70	−0.10	+ 8.47	24th
25th	− 6.98	+ 2.18	− 7.06	+15.30	−1.91	+10.22	−1.56	+ 1.46	− 2.42	+11.65	+1.81	+ 8.26	25th
26th	−13.09	+ 8.60	− 5.82	+12.53	+0.69	+ 8.58	−2.11	+ 6.57	− 3.59	+12.55	+2.93	+ 9.16	26th
27th	− 8.71	+14.92	− 4.60	+11.44	+0.59	+ 7.85	+1.24	+ 1.52	− 3.34	+13.46	+0.06	+12.12	27th
28th	− 6.46	+15.54	− 2.40	+ 6.72	+1.92	+ 8.02	−0.20	+ 2.72	− 0.39	+ 9.69	−0.84	+12.61	28th
29th	− 4.85	+12.09	− 4.22	+10.75	+3.06	+ 7.44	+2.10	+ 2.47	+ 2.45	+ 8.28	+3.72	+ 8.46	29th
30th	− 4.23	+ 9.67	− 6.52	+12.10	+2.56	+ 9.55	+2.49	+ 5.12	+ 0.09	+10.27	+6.97	+ 3.83	30th
31st	− 4.86	+ 8.85	− 7.48	+12.32	.....	.....	+5.04	+ 3.05	.....	.....	+6.86	+ 2.04	31st
Means	− 4.37	+ 8.80	− 4.40	+ 9.82	−3.42	+ 7.93	−1.99	+ 6.20	− 0.21	+ 8.45	+0.08	+ 7.61	Means.

TABLE XXIV.

Computed Mean Daily and Monthly Direction and Velocity of the Wind in 1888.

Months.	January.		February.		March.		April.		May.		June.		Months.
Days.	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.	Days
1st ...	13.26	S 68°—55′E	5.25	N 79°—48′W	1.79	S 70°—27′E	14.09	S 72°—12′E	6.36	S 28°—56′E	9.25	S 57°—27′E	1st
2nd ..	13.45	S 44 —27 E	3.38	N 83 —13 W	6.62	S 53 —14 E	13.36	S 73 —10 E	8.44	S 58 —34 E	9.05	S 59 —59 E	2nd
3rd ...	15.85	S 63 —09 E	6.17	N 79 —49 W	2.91	S 51 —17 E	12.90	S 73 —53 E	10.76	S 57 —38 E	6.26	S 60 —00 E	3rd
4th ...	19.00	S 51 —36 E	3.55	N 4 —22 E	4.01	N 82 —50 E	10.98	S 63 —58 E	8.91	S 50 —28 E	5.58	N 86 —18 E	4th
5th ...	27.84	S 72 —03 E	9.57	N 44 —24 E	3.58	N 88 —43 E	12.82	S 64 —03 E	9.05	S 72 —39 E	5.37	S 83 —42 E	5th
6th ...	19.75	N 60 —33 E	9.94	N 61 —55 E	4.67	S 37 —16 E	8.61	S 53 —16 E	9.96	S 64 —17 E	7.34	S 73 —13 E	6th
7th ...	15.59	N 43 —26 E	7.26	N 31 —05 E	9.59	S 50 —02 E	8.81	S 45 —55 E	6.84	N 88 —55 E	5.76	N 83 —07 E	7th
8th ...	10.70	N 4 —20 W	9.20	N 55 —13 E	8.65	S 72 —27 E	13.45	S 55 —49 E	8.08	N 75 —05 E	7.97	S 74 —16 E	8th
9th ...	3.85	S 78 —19 W	7.83	N 67 —20 E	8.94	S 85 —19 E	14.94	S 57 —13 E	8.82	S 83 —57 E	7.80	S 81 —53 E	9th
10th ...	5.40	S 57 —01 E	5.56	N 77 —44 E	9.12	S 79 —38 E	16.72	S 59 —29 E	8.36	S 70 —26 E	3.25	N 49 —00 E	10th
11th ...	7.94	S 87 —20 E	4.17	N 68 —55 E	12.04	S 57 —43 E	16.31	S 60 —33 E	9.16	S 66 —16 E	4.02	S 21 —54 E	11th
12th ...	6.83	N 88 —55 E	4.30	N 85 —44 E	8.94	S 27 —39 E	14.59	S 59 —58 E	7.16	S 68 —12 E	8.21	S 36 —50 E	12th
13th ...	9.62	S 84 —52 E	3.83	S 13 —15 E	12.81	S 29 —12 E	16.07	S 59 —39 E	5.88	S 60 —20 E	7.81	S 36 —12 E	13th
14th ...	11.13	S 67 —00 E	9.67	S 46 —48 E	12.97	S 50 —40 E	15.24	S 65 —22 E	8.01	S 43 —56 E	11.53	S 43 —10 E	14th
15th ...	13.29	S 72 —40 E	7.95	S 85 —06 E	10.87	S 58 —44 E	11.13	S 63 —43 E	6.14	S 50 —05 E	10.38	S 56 —07 E	15th
16th ..	12.85	S 68 —04 E	7.81	S 72 —06 E	12.55	S 65 —29 E	13.51	S 62 —23 E	4.34	S 43 —30 E	9.17	S 57 —47 E	16th
17th ...	12.39	S 76 —28 E	8.51	S 66 —49 E	13.43	S 63 —57 E	14.32	S 63 —09 E	6.65	S 68 —06 E	7.40	S 64 —53 E	17th
18th ...	13.55	S 74 —57 E	6.37	N 79 —42 E	15.06	S 61 —26 E	16.99	S 66 —53 E	7.21	S 89 —50 E	5.38	S 40 —19 E	18th
19th ...	13.73	S 71 —51 E	9.14	S 86 —37 E	14.61	S 70 —40 E	13.30	S 66 —11 E	6.30	N 79 —07 E	10.38	S 30 —27 E	19th
20th ...	12.66	S 72 —41 E	9.84	S 81 —28 E	11.71	S 80 —01 E	6.47	S 77 —52 E	7.19	N 74 —20 E	8.86	S 49 —37 E	20th
21st ...	11.16	S 73 —10 E	8.31	N 61 —28 E	8.13	S 77 —52 E	5.72	S 45 —30 E	5.44	N 83 —40 E	9.83	S 42 —56 E	21st
22nd ...	9.15	S 85 —14 E	9.89	N 71 —03 E	7.52	S 57 —19 E	8.96	S 61 —19 E	6.83	S 89 —25 E	11.91	S 61 —48 E	22nd
23rd ...	9.18	S 73 —41 E	9.36	N 73 —57 E	8.20	S 52 —41 E	11.61	S 63 —23 E	7.69	N 82 —41 E	11.37	S 71 —14 E	23rd
24th ...	9.76	S 80 —09 E	8.64	N 87 —01 E	10.41	S 64 —52 E	7.25	S 60 —30 E	7.35	N 89 —13 E	14.43	S 76 —05 E	24th
25th ...	11.89	S 84 —36 E	8.63	N 84 —39 E	10.63	S 60 —35 E	9.72	S 69 —38 E	8.96	S 76 —03 E	13.79	S 85 —50 E	25th
26th ...	11.37	S 67 —24 E	6.38	N 55 —28 E	3.50	S 30 —22 W	8.04	S 65 —23 E	9.63	S 70 —48 E	8.60	S 71 —17 E	26th
27th ...	10.69	S 87 —03 E	7.11	N 7 —31 E	7.34	S 9 —22 E	9.60	S 85 —45 E	9.38	S 83 —27 E	10.52	S 57 —42 E	27th
28th ...	9.73	N 84 —49 E	4.98	N 51 —31 W	11.77	S 56 —57 E	7.86	S 73 —13 E	12.24	S 76 —58 E	10.93	S 70 —26 E	28th
29th ...	9.16	N 63 —33 E	3.78	N 30 —22 W	16.72	S 62 —02 E	7.93	S 60 —08 E	10.71	S 81 —15 E	11.44	S 59 —39 E	29th
30th ...	7.53	N 22 —08 E	...	.....	17.30	S 62 —32 E	7.88	S 36 —38 E	9.41	S 84 —42 E	13.47	S 63 —48 E	30th
31st ...	4.45	N 11 —47 W	...	.....	16.32	S 71 —43 E	.....	.....	6.69	S 80 —37 E	.....	.....	31st
Means ...	9.95	S 82°—26′E	4.75	N 69°—16′E	9.23	S 59°—11′E	11.46	S 63°—14′E	7.62	S 74°—38′E	8.47	S 62°—21′E	Means.

TABLE XXIV.—(*Continued.*)

Computed Mean Daily and Monthly Direction and Velocity of the Wind in 1888.

Months.	July.		August.		September.		October.		November.		December.		Months.
Days.	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.	Days.
1st ...	13.62	S 65°—10′E	10.32	S 64°—53′E	16.39	S 57°—46′E	7.66	N 65°—27′E	6.41	N 41°—54′E	9.75	N 77°—23′E	1st
2nd ...	9.63	S 65 —47 E	10.40	S 64 —33 E	13.93	S 72 —40 E	3.14	N 4 —01 E	6.54	N 45 —33 E	9.26	N 61 —25 E	2nd
3rd ...	13.63	S 67 —37 E	9.82	S 52 —19 E	10.05	S 83 —19 E	8.23	S 46 —40 E	7.30	N 60 —16 E	6.33	N 48 —04 E	3rd
4th ...	10.95	S 68 —34 E	9.74	S 19 —25 E	11.35	S 67 —21 E	17.48	S 55 —54 E	5.46	N 82 —57 E	6.70	N 54 —25 E	4th
5th ...	12.25	S 63 —39 E	14.42	S 32 —11 E	9.89	S 58 —36 E	16.73	S 61 —15 E	7.19	N 73 —32 E	2.92	N 68 —16 E	5th
6th ...	11.95	S 71 —03 E	9.53	S 39 —48 E	10.53	S 59 —42 E	15.25	S 65 —16 E	7.88	N 61 —25 E	3.15	S 5 —27 E	6th
7th ...	11.86	S 76 —44 E	8.29	S 62 —25 E	9.96	S 58 —36 E	15.24	S 73 —44 E	8.24	N 65 —10 E	7.15	S 59 —40 E	7th
8th ...	11.39	S 77 —07 E	7.73	S 84 —35 E	10.53	S 63 —33 E	12.35	S 86 —12 E	9.53	N 53 —40 E	12.55	S 76 —04 E	8th
9th ...	11.47	S 78 —50 E	10.12	S 73 —42 E	10.93	S 70 —12 E	12.07	S 87 —15 E	6.95	N 5 —37 E	13.15	N 86 —54 E	9th
10th ...	12.03	S 76 —53 E	15.27	S 70 —10 E	9.46	S 77 —00 E	12.14	S 85 —02 E	5.86	S 53 —32 W	9.66	N 74 —13 E	10th
11th ...	8.74	S 72 —34 E	14.17	S 66 —31 E	7.17	N 79 —19 E	3.23	East.	19.06	S 28 —31 E	8.82	N 83 —53 E	11th
12th ...	11.72	S 56 —44 E	14.34	S 60 —28 E	1.78	S 85 —30 E	3.05	N 87 —00 W	13.89	S 46 —10 E	10.53	S 81 —09 E	12th
13th ...	10.00	S 57 —10 E	16.22	S 68 —11 E	6.26	S 66 —03 W	3.84	S 18 —58 E	14.06	S 57 —43 E	12.45	S 78 —31 E	13th
14th ...	7.99	S 65 —41 E	14.79	S 71 —50 E	8.21	S 2 —56 W	8.07	S 58 —13 E	14.78	S 70 —03 E	12.05	N 79 —20 E	14th
15th ...	1.30	S 15 —39 E	9.65	S 61 —52 E	10.59	S 22 —30 E	7.22	N 85 —43 E	11.04	N 78 —27 E	11.69	N 80 —00 E	15th
16th ...	1.77	S 76 —17 E	9.99	S 64 —54 E	10.76	S 45 —52 E	3.67	S 52 —12 E	9.73	N 77 —43 E	9.17	S 88 —53 E	16th
17th ...	3.22	N 74 —19 E	9.66	S 67 —17 E	11.87	S 42 —35 E	3.56	S 50 —49 E	8.77	N 65 —38 E	8.42	S 69 —30 E	17th
18th ...	2.04	N 70 —30 E	6.20	S 75 —26 E	11.88	S 43 —03 E	6.35	S 39 —53 E	10.65	N 88 —33 E	7.91	S 35 —23 E	18th
19th ...	7.72	S 30 —35 E	10.70	S 82 —13 E	8.14	S 77 —14 E	7.33	S 28 —48 E	9.67	N 76 —58 E	2.41	S 5 —57 W	19th
20th ...	9.21	S 56 —01 E	13.71	S 81 —06 E	8.20	S 86 —43 E	2.54	South.	11.37	N 86 —22 E	4.43	S 55 —40 E	20th
21st ...	10.33	S 64 —44 E	9.25	N 72 —27 E	9.94	S 59 —53 E	10.55	S 53 —17 E	9.12	N 74 —45 E	8.23	S 47 —37 E	21st
22nd ...	11.90	S 64 —47 E	3.90	N 1 —02 W	11.29	S 70 —27 E	11.53	S 73 —32 E	7.39	N 83 —28 E	6.54	S 35 —13 E	22nd
23rd ...	12.56	S 63 —49 E	5.09	S 59 —54 E	10.17	S 66 —06 E	10.16	S 70 —20 E	9.10	S 69 —57 E	10.41	S 67 —21 E	23rd
24th ...	6.18	S 59 —22 E	17.02	S 72 —28 E	10.15	S 56 —39 E	4.11	N 88 —45 E	13.14	S 75 —08 E	8.47	S 89 —19 E	24th
25th ...	7.31	S 17 —21 E	16.85	S 65 —14 E	10.40	S 79 —25 E	2.14	S 43 —06 E	11.90	S 78 —16 E	8.46	N 77 —38 E	25th
26th ...	15.66	S 33 —18 E	13.82	S 65 —05 E	8.61	N 85 —24 E	6.76	S 71 —48 E	13.05	S 74 —02 E	9.62	N 72 —16 E	26th
27th ...	17.28	S 59 —43 E	12.33	S 68 —06 E	7.87	N 85 —42 E	1.96	N 50 —48 E	13.87	S 76 —04 E	12.12	N 89 —43 E	27th
28th ...	16.83	S 67 —26 E	7.14	S 70 —21 E	8.25	N 76 —32 E	2.73	S 85 —48 E	9.70	S 87 —42 E	12.64	S 86 —11 E	28th
29th ...	13.03	S 68 —08 E	11.55	S 68 —34 E	8.04	N 67 —39 E	3.24	N 49 —38 E	8.63	N 73 —31 E	9.24	N 66 —16 E	29th
30th ...	10.55	S 66 —22 E	13.74	S 61 —41 E	9.89	N 75 —00 E	5.69	N 64 —04 E	10.27	N 89 —30 E	7.95	N 28 —47 E	30th
31st ...	10.10	S 61 —14 E	14.41	S 58 —44 E	...	.....	5.89	N 31 —11 E	.....	.....	7.16	N 16 —34 E	31st
Means ...	9.82	S 63°—35′E	10.76	S 65°—52′E	8.64	S 66°—40′E	6.51	S 72°—12′E	8.45	S 88°—35′E	7.61	N 89°—24′E	Means.

TABLE XXV.

1876—88.

Mean Monthly North and East Components of the Wind.

Months.	Monthly Means.		Deviation from Mean of year.	
	N.	E.	N.	E.
January	+ 0.07	+ 8.77	+ 2.59	— 0.43
February	— 1.39	+ 8.24	+ 1.13	— 0.96
March	— 1.45	+ 7.68	+ 1.07	— 1.52
April	— 3.20	+ 8.87	— 0.68	— 0.33
May	— 3.65	+ 8.20	— 1.13	— 1.00
June	— 5.04	+ 9.33	— 2.52	+ 0.13
July	— 4.77	+ 10.19	— 2.25	+ 0.99
August	— 4.17	+ 10.42	— 1.65	+ 1.22
September	— 3.50	+ 10.27	— 0.98	+ 1.07
October	— 2.16	+ 9.76	+ 0.36	+ 0.56
November	— 1.09	+ 9.42	+ 1.43	+ 0.22
December	+ 0.09	+ 9.20	+ 2.61	0.00
Means.....	— 2.52	+ 9.20		

TABLE XXVI.

Computed Mean Monthly Direction and Velocity of the Wind.

Months.	1876—1888. Monthly Means. Velocity. Miles per hour.	1876—1888. Monthly Means. Direction.	1888. Monthly Means. Velocity. Miles per hour.	1888. Monthly Means. Direction.	1888. Deviation from Average. Velocity. + = Above. — = Below.	1888. Deviation from Average. Direction. N = North. S = South.
January	8.77	N 89°—33′E	9.95	S 82°—26′E	+ 1.18	S 8°—01′
February	8.36	S 80 —26 E	4.75	N 69 —16 E	— 3.61	N 30 —18
March	7.83	S 79 —19 E	9.23	S 59 —11 E	+ 1.40	S 20 —08
April	9.43	S 70 —10 E	11.46	S 63 —14 E	+ 2.03	S 6 —56
May	8.98	S 66 —00 E	7.62	S 74 —38 E	— 1.36	N 8 —38
June	10.60	S 61 —37 E	8.47	S 62 —21 E	— 2.13	N 0 —44
July	11.25	S 64 —55 E	9.82	S 63 —35 E	— 1.43	S 1 —20
August	11.22	S 68 —11 E	10.76	S 65 —52 E	— 0.46	S 2 —19
September	10.85	S 71 —11 E	8.64	S 66 —40 E	— 2.21	S 4 —31
October	10.00	S 77 —31 E	6.51	S 72 —12 E	— 3.49	S 5 —19
November.....	9.48	S 83 —24 E	8.45	S 88 —35 E	— 1.03	N 5 —11
December.....	9.20	N 89 —26 E	7.61	N 89 —24 E	— 1.59	S 0 —02
Means	9.54	S 74°—41′E	8.38	S 72°—48′E	— 1.16	S 1°—53′

TABLE XXVII.

Principal Elements at 6, 13, and 15 hours.—January, 1888.

Days.	Barometer.			Air Temperature.					Tension of Vapour.			Relative Humidity.			Wind.						Amount of Cloud.			Rainfall in 24 hours.	Remarks.
															6 hours.		13 hours.		15 hours.						
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	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.		
	Inch.	Inch.	Inch.	°	°	°	°	°	Inch.	Inch.	Inch.	P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inch.	
1 ...	29.997	29.993	29.971	74.8	81.7	82.0	82.5	74.4	.691	.669	.662	80.0	62.3	60.0	E. S. E.	8.2	E. b. S.	15.9	E.S.E. ½ S.	16.1	1.5	6.5	6.0	...	Thunder and lightning on 8 days.
2 ...	30.002	.961	.948	73.0	81.3	81.0	82.3	72.4	.641	.671	.675	79.0	63.1	64.0	S. E. ½ S.	8.8	S. E. b. S.	19.4	S. E. ½ S.	18.4	4.5	4.5	6.0	...	
3 ...	29.981	.985	.964	75.0	80.4	80.5	83.3	74.0	.702	.673	.643	80.5	64.6	61.5	S. E. ½ E.	5.8	E.b.S. ½ S.	24.9	E. S. E.	23.2	1.5	7.5	7.5	0.07	
4 ...	30.005	.959	.932	74.0	82.5	81.5	83.6	73.4	.672	.654	.630	80.0	58.5	58.5	S. E. ½ E.	6.5	S. E. b. E.	25.0	S. E.	28.3	8.0	5.0	4.0	.01	
5 ...	29.829	.715	.675	75.5	75.8	74.9	76.8	74.1	.681	.787	.776	77.0	88.0	89.5	S. E. ½ S.	23.7	E.S.E. ½ S.	35.9	East.	37.3	10.0	10.0	10.0	.41	
6 ...	.904	.932	.904	76.0	78.7	78.0	79.0	73.7	.783	.822	.783	87.0	83.0	81.0	E.N.E. ½ N.	23.8	N.E. b. E.	23.3	N.E. b. E.	21.6	10.0	10.0	10.0	4.50	
7 ...	.957	.928	.903	76.2	79.8	79.7	81.0	75.6	.812	.757	.758	89.5	74.3	74.7	E. N. E.	14.4	N.E. ½ N.	21.4	N.E. b. N.	23.0	10.0	9.5	8.0	.26	
8 ...	.933	.912	.873	76.5	80.8	80.5	81.3	76.3	.792	.838	.830	86.5	80 3	80.0	N. b. E.	11.7	N. N. W.	16.4	N. N. W.	15.9	8.5	9 5	10.0	.01	
9 ...	.894	.879	.857	76.0	81.4	81.4	82.1	75.2	.783	.814	.804	87.0	76.0	75.2	Calm.	0.0	W. S. W.	9.0	W.S.W. ½ W.	12.1	4.5	4.8	2.5	.37	
10 ...	.902	.931	.905	75.3	79.4	78.0	80.3	75.1	.743	.777	.748	84.5	77.4	77.4	S.S.E. ½ E.	2.1	East.	7.8	S. E. b. S.	6.1	9.5	10.0	10.0	...	
11 ...	.991	.992	.951	75.6	81.0	80.6	82.4	75.4	.809	.757	.766	91.0	72.0	73.0	E.b.S. ½ S.	7.7	E.b.N.	9.4	E b. N.	10.2	9.5	9.0	8.5	.02	
12 ...	30.017	.978	.960	73.7	77.0	78.4	79.9	73.4	.772	.774	.772	92.9	83.0	78.9	E. S. E.	4.4	E.N.E. ½ N.	7.1	E.N.E. ½ N.	9.6	9.5	9.0	8.5	1.34	
13 ...	29.996	.982	.957	73.5	80.4	80.5	81.4	73.4	.727	.630	.682	88.0	69.2	65.0	E. S. E.	6.6	E. b. N.	13.7	East.	13.4	3.5	4.0	3.5	.16	
14 ...	30.008	.989	.963	73.3	80.7	79.5	81.3	72.1	.688	.713	.674	84.0	67.4	65.6	S. E. b. E.	7.1	E. S. E.	17.0	E. S. E.	14.2	1.5	9.0	9.5	.03	
15 ...	29.986	.974	.962	74.0	80.6	80.3	81.7	73.9	.718	.642	.632	85.5	61.2	60.5	S. E. ½ E.	8.2	E. b. S.	22.2	East.	18.6	5.5	5.5	3.8	...	
16 ...	.988	.993	.964	73.0	79.2	80.0	81.3	72.5	.688	.696	.613	85.0	69.4	62.2	S. E. b. E.	9.3	E.S.E. ½ S.	20.1	E.b.S. ½ S.	17.1	4.0	4.0	2.0	.25	
17 ...	30.005	.993	.971	73.2	79.0	79.0	80.4	72.4	.694	.695	.687	85.0	69.8	69.0	S. E. b. E.	7.7	E. b. N.	16.2	East.	16.9	2.0	10.0	10.0	.12	
18 ...	.030	30.019	.993	73.5	81.7	81.0	82.4	73.5	.731	.681	.691	84.5	63.5	65.6	E.S.E. ½ S.	9.5	E. b. S.	17.3	East.	19.7	2.0	3.5	3.0	...	
19 ...	.059	.030	30.011	74.1	80.2	81.0	82.0	74.0	.746	.708	.683	88.5	68.2	64.8	S. E. b. E.	9.1	East.	19.4	E. S. E.	19.3	3.5	7 0	4.5	...	
20 ...	.019	29.996	29.974	72.6	82.0	81.0	82.3	72.1	.686	.662	.687	86.0	60.0	65.2	S. E. b. E.	8.4	East.	18.9	East.	15.1	2.0	4.5	4.0	...	
21 ...	29.982	.951	.929	74.4	81.0	81.0	81.6	74.2	.728	.695	.699	85.5	66.0	66.4	East.	7.9	E. ½ N.	15.1	E. ½ S.	14.7	7.0	5.5	5.5	...	
22 ..	.929	.890	.864	73.5	81.2	81 2	81.7	73.2	.672	.741	.720	81.5	70.0	68.0	S. E. ½ E.	8.2	E. b. N.	12.8	E. ½ N.	13.9	8.0	9.5	9.0	...	
23 ..	.918	.900	.866	73.0	81.4	81.4	82.4	72.2	.664	.617	.647	82.0	57.2	60.4	E. S. E.	7.0	E. b. S.	10.2	E. ½ S.	13.6	6.0	5.0	1.5	...	
24 ...	.932	.890	.867	74.2	82.4	82.1	83.2	74.0	.723	.777	.757	85.5	70.4	69.2	S. E. b. E.	7.0	E. b. N.	14.2	East.	14.6	4 0	7.0	5.5	...	
25 ...	.925	.936	.902	75.5	81.3	82.0	83.0	75.3	.820	.843	.785	92.7	78.8	72.0	E. S. E.	10.4	E. b. N.	14.7	E.b.N. ½ N.	15.2	2.0	7.0	9.0	.50	
26 ...	.961	.910	.891	76.0	83.0	82.3	83.4	75.6	.801	.792	.802	89.0	70.4	72.8	S. E. ½ E.	10.0	E.b.S. ½ S.	14.8	E. S. E.	16.8	4.0	7.5	3.0	.05	
27 ...	.931	.908	.896	77.0	83.0	82.8	83.5	76.5	.820	.775	.770	88.0	68.8	68.8	E.S.E. ½ S.	7.9	E.b.N. ½ N.	12.7	E.N.E.	12.8	10.0	5 0	5.0	.02	
28 ..	.945	.921	.909	77.0	83.0	82.7	83.8	76.8	.829	.770	.759	89.0	68.4	68.0	E. b. S.	9.7	E.b.N. ½ N.	12.1	E.N.E. ½ N.	12.0	7.0	5.0	4.0	.11	
29 ...	.954	.954	.950	77.5	83.0	82.4	83.7	77.3	.858	.810	.800	90.5	72.0	72.4	E. ½ N.	7.6	N.E. b. E.	13.7	E.N.E. ½ N.	13.1	3.0	5.8	5.5	.09	
30 ...	30.000	.974	.956	77.4	83.0	83.2	83.7	76.7	.836	.828	.862	88.5	74.4	76.0	N. N. E.	5.4	N. N. E.	12.6	N.b.E. ½ E.	10.7	4.0	6.0	6.0	.53	
31 ..	.017	.994	.971	75.0	83.0	83.8	84.3	75.0	.783	.851	.847	90.0	75.6	73.2	N. N. E.	4.4	N. N. W.	8.4	W. N. W.	7.4	8.0	7.0	6.5	.01	
Mean..	29.968	29.948	29.924	74.8	80.9	80.8	82.0	74.3	.745	.740	.731	86.1	70.1	69.7		8.7		16.2		16.2	5.6	6.9	6.2	8.86	

TABLE XXVII.—*Continued.*

Principal Elements at 6, 13, and 15 hours.—February, 1888.

Days.	Barometer.			Air Temperature.					Tension of Vapour.			Relative Humidity.			Wind.						Amount of Cloud.			Rainfall in 24 hours.	Remarks.
															6 hours.		13 hours.		15 hours.						
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	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.		
	Inch.	Inch.	Inch.	°	°	°	°	°	Inch.	Inch.	Inch.	P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inch.	
1 ...	29.979	29.940	29.911	73.0	83.8	84.0	84.9	72.3	.722	.847	.808	89.0	73.2	69.2	N.N.W.½W.	4.5	W.S.W.½W.	10.5	W. ½ S.	8.5	4.5	7.0	8.5	...	Thunder and lightning on 14 days.
2 ...	.965	.946	.925	74.5	84.7	84.5	85.2	74.2	.718	.799	.787	84.0	66.4	66.0	S. E.	5.1	W. ½ N.	9.3	W. ½ N.	10.0	2.5	2.0	3.0	...	
3 ...	.986	.976	.947	74.4	84.5	84.1	85.4	74.0	.754	.810	.806	88.5	68.0	68.8	West.	3.3	W. N. W.	10.7	West.	9.3	4.5	6.0	6.0	...	
4 ...	.984	.965	.939	73.7	83.0	82.9	83.7	73.0	.753	.766	.781	90.5	68.0	69.6	East.	4.9	N. ½ W.	8.9	N.W. b. N.	6.3	9.5	10.0	10.0	...	
5 ...	.884	.869	.848	77.0	80.7	82.0	83.0	76.7	.797	.790	.785	85.5	75.2	72.0	E.N.E. ½ N.	6.4	N. E. ½ E.	13.0	N.E. b. N.	17.1	9.5	9.5	9.5	...	
6 ...	.822	.827	.808	76.2	74.7	78.2	79.6	75.2	.826	.740	.883	91.0	86.0	91.0	N. E. ½ N.	14.1	N.N.E. ½ E.	9.8	North.	11.1	10.0	10.0	10.0	1.71	
7 ...	.888	.910	.896	76.7	79.4	80.7	81.4	73.8	.821	.909	.873	89.0	91.0	83.5	N. N. E.	5.9	N.E. b. N.	14.3	N.E. b. N.	19.0	8.5	10.0	10.0	1.23	
8 ...	.950	.946	.934	76.3	81.7	80.2	82.6	76.2	.824	.845	.849	90.5	78.2	82.7	E.N.E. ½ N.	5.3	N. E. ½ N.	15.7	N.E. ½ N.	13.8	9.0	9.0	8.5	2.50	
9 ...	30.014	30.007	.967	77.3	80.0	78.1	80.6	77.2	.796	.820	.786	84.5	80.0	81.1	E. b. N.	10.2	E. N. E.	14.2	N.E. b. E.	8.1	9.5	10.0	10.0	0.48	
10 ...	29.991	29.999	.980	76.0	81.0	79.5	82.4	75.8	.787	.757	.744	87.5	72.0	73.5	E. ½ N.	6.2	E.N.E. ½ N.	9.3	E.N.E. ½ N.	6.1	7.0	7.5	10.0	.18	
11 ...	.954	.945	.933	75.0	79.7	77.7	81.8	75.0	.797	.826	.816	91.5	81.5	85.5	East.	3.1	N.E. b. E.	5.3	N.E. b. E.	3.5	9.5	10.0	9.5	...	
12 ...	.931	.947	.933	70.7	80.0	77.6	80.2	70.3	.646	.798	.772	85.7	77.5	81.0	E.N.E. ½ N.	4.7	E. N. E.	8.2	E.N.E.	7.4	0.5	7.0	8.0	.37	
13 ...	.929	.935	.907	71.2	80.0	80.7	81.2	70.9	.641	.766	.763	83.5	74.2	72.2	S. E. ½ S.	4.2	W. ½ N.	5.6	W. ½ N.	3.0	2.0	6.5	4.5	...	
14 ...	.945	.953	.924	74.0	80.5	80.3	82.4	72.4	.625	.682	.749	71.0	65.0	71.8	S. S. E. ½ S.	8.2	S. E.	13.0	E.S.E. ½ S.	14.4	1.5	7.5	9.0	...	
15 ...	.940	.939	.910	74.3	82.4	82.0	83.1	74.2	.761	.761	.785	89.5	68.8	72.0	S. E. ½ E.	4.7	E. b. N.	14.3	E. b. N.	13.2	4.5	4.0	2.5	.15	
16 ...	.929	.929	.924	72.0	82.5	79.0	83.9	71.7	.684	.733	.724	87.5	66.0	72.6	E. b. S.	4.7	E. b. S.	11.1	E. ½ S.	10.6	0.5	7.0	9.0	...	
17 ...	.969	.968	.933	71.3	77.5	78.2	79.4	71.0	.692	.723	.703	90.1	76.2	72.6	E. ½ S.	6.8	E.S.E. ½ S.	12.4	E.S.E.	13.5	10.0	7.5	9.5	.08	
18 ...	.942	.945	.917	74.0	81.4	81.2	82.3	73.1	.727	.709	.725	86.5	66.4	68.4	E. b. N.	5.1	E. N. E.	11.4	E.N.E. ½ N.	10.3	8.5	4.0	7.5	.11	
19 ...	.938	.960	.940	75.4	78.7	78.7	80.0	75.1	.767	.742	.776	87.0	75.0	78.7	E. S. E.	7.2	E. N. E.	12.6	E. b.N. ½ N.	12.5	10.0	10.0	10.0	.51	
20 ...	.927	.928	.897	74.2	80.4	79.5	81.0	72.5	.744	.813	.784	88.0	78.4	78.0	E. S. E.	11.3	E. ½ N.	13.6	E. b. S. ½ S.	13.1	7.5	10.0	9.5	.37	
21 ...	.935	.935	.915	74.4	82.0	82.0	83.0	74.2	.795	.835	.785	93.2	76.4	72.0	E. b. S.	5.0	N. E. b. N.	15.3	N.E. ½ E.	12.5	8.5	6.5	6.5	...	
22 ...	.998	30.009	.978	75.1	82.4	81.4	83.0	75.0	.751	.782	.809	86.0	70.8	75.6	E.N.E. ½ N.	6.8	E. N. E.	15.7	E.b.N. ½ N.	14.1	2.3	6.0	6.5	.13	
23 ...	30.011	.017	.984	75.4	82.0	81.4	82.6	75.1	.785	.785	.760	89.0	72.0	71.2	East.	8.4	E. b. N.	12.3	E.N.E. ½ N.	11.6	10.0	6.0	9.0	.38	
24 ...	29.968	29.972	.937	73.3	82.0	81.3	82.6	72.2	.684	.789	.752	83.5	72.4	70.8	E. b. N.	6.2	E. b. N.	11.1	E. ½ N.	14.6	8.0	7.5	6.0	...	
25 ...	.975	.961	.927	72.5	82.0	81.3	82.5	72.0	.672	.742	.736	84.5	68.0	69.2	E. S. E.	7.0	E. N. E.	10.0	N.E. b. E.	11.9	6.5	3.5	4.5	...	
26 ...	.950	.975	.939	75.3	82.1	82.0	83.0	74.9	.743	.757	.742	84.5	69.2	68.0	East.	9.6	N.E. b. E.	9.3	N.E. b. E.	9.2	4.5	5.0	6.5	...	
27 ...	.944	.928	.884	73.0	82.0	82.1	83.0	72.3	.740	.816	.806	91.0	74.8	73.6	N. E.	5.0	N.N.W. ½ N.	12.6	North.	12.2	3.5	5.5	5.5	...	
28 ...	.920	.914	.885	76.0	81.7	82.5	83.4	74.3	.787	.869	.844	87.5	80.7	76.0	W. b. N.	3.9	W. N. W.	8.2	N. W.	7.9	10.0	8.5	7.5	.11	
29 ...	.956	.972	.948	74.1	82.4	83.1	83.7	73.4	.769	.782	.827	91.0	70.8	73.2	East.	4.3	N.N.W. ½ N.	6.6	N. W.	8.6	4.5	8.5	7.0	.45	
Mean..	29.949	29.949	29.923	74.4	81.2	80.9	82.6	73.7	.745	.786	.785	87.4	73.9	74.5		6.3		11.2		10.8	6.6	7.3	7.3	8.76	

TABLE XXVII.—*Continued.*

Principal Elements at 6, 13, and 15 hours.—March, 1888.

Days.	Barometer.			Air Temperature.					Tension of Vapour.			Relative Humidity.			Wind.						Amount of Cloud.			Rainfall in 24 hours.	Remarks.
															6 hours.		13 hours.		15 hours.						
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	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.		
	Inch.	Inch.	Inch.	°	°	°	°	°	Inch.	Inch.	Inch.	P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inch.	
1 ...	30.009	30.020	29.984	72.4	79.0	79.1	81.9	72.1	.715	.793	.805	90.0	80.0	81.1	S. E.	4.9	E.N.E.	7.0	E. b. N.	4.8	3.0	9.5	9.5	0.13	
2 ...	29.968	29.964	.932	74.3	78.0	78.7	81.1	74.1	.787	.872	.826	92.5	90.5	83.5	S. E.	7.7	E. S. E.	5.9	S. E.	6.4	6.5	9.5	9.0	.04	
3 ...	.961	.959	.933	73.3	79.8	78.4	82.0	73.0	.765	.848	.850	93.1	83.5	87.0	E. ½ N.	4.6	S.W.b.S.	6.5	S. W. b. S.	5.8	7.5	9.5	9.0	.72	
4 ...	.967	.928	.896	74.0	78.0	78.0	80.0	73.6	.793	.829	.848	94.0	86.0	88.0	E.S.E.½S.	2.9	E.N.E.½N.	8.7	E.N.E. ½ N.	5.4	10.0	9.5	10.0	.70	
5 ...	.897	.880	.850	73.0	78.0	77.4	80.4	73.0	.726	.824	.821	89.5	85.5	87.0	East.	3.9	North.	5.9	N.E. b. E.	5.8	1.0	9.0	9.5	.81	
6 ...	.847	.859	.852	72.0	79.5	77.4	81.8	71.2	.688	.758	.776	88.0	75.0	82.0	S.E. b. S.	6.3	East.	4.7	S. b. E.	7.0	5.5	9.5	10.0	.15	
7 ..	.870	.867	.849	73.4	79.3	78.2	81.0	73.2	.654	.702	.740	79.9	69.8	76.2	S.E. b. S.	11.5	E.b.S. ½S.	14.5	E.S.E.½S.	13.1	10.0	10.0	9.5	.09	
8 ...	.869	.858	.826	74.2	80.7	81.2	82.0	73.4	.744	.781	.781	88.0	74.2	73.6	S. E. ½ E.	6.6	E.b.N.	12.9	E. b. S.	13.6	8.0	7.0	4.0	...	
9 ...	.865	.860	.837	74.3	81.3	80.2	82.1	73.4	.761	.797	.746	89.5	74.8	71.8	E.S.E.	7.4	East.	14.1	East	13.1	7.0	9.0	9.5	.03	
10 ...	.892	.887	.861	74.1	81.6	76.5	82.4	73.7	.791	.810	.815	93.5	75.2	89.0	East.	5.4	E. ½ N.	12.7	E. b. N.	11.2	6.0	9.0	10.0	.22	
11 ...	.860	.826	.800	74.7	79.0	79.6	80.1	73.4	.803	.821	.769	93.5	83.0	76.1	E.S.E.½S.	11.7	S.E.b.E.	19.4	E.S.E. ½S.	16.6	10.0	9.0	9.5	1.42	
12 ...	.844	.857	.841	74.4	80.5	80.2	81.3	74.3	.759	.767	.772	89.0	73.0	74.2	S. ½ E.	5.7	S.S.E.	13.5	S.S.E.½E.	13.9	9.5	9.0	9.5	.34	
13 ...	.934	.993	.999	74.0	80.0	78.6	81.1	74.0	.693	.654	.701	82 5	63.4	71.4	S. S.E.	7.3	S. b. E.	14.3	S.S.E.½E.	17.5	10.0	9.0	8.5	...	
14 ...	30.124	30.149	30.119	71.2	77.6	76.6	78.5	71.0	.565	.534	.504	73.2	56.3	54.4	S. E.	3.6	S.E. b. E.	23.9	E.S.E.½S.	22.5	8.5	4.7	3.5	...	
15 ...	.148	.127	.096	68.3	78.1	77.0	79.0	68.1	.496	.587	.534	71.5	60.7	57.5	S.E. b. E.	7.1	E.S.E.½S.	17.8	E.S.E.	14.2	3.0	7.0	8.5	...	
16 ...	.101	.082	.055	68.0	78.0	78.0	79.4	67.2	.501	.585	.581	73.0	60.6	60.2	E.S.E.½S.	6.4	E.S.E.½S.	19.9	E.b.S.½S.	21.4	0.5	3.5	3.0	...	
17 ...	.076	.068	.052	71.3	78.6	78.2	79.3	71.2	.642	.634	.610	83.5	65.2	63.2	S.E. b. E.	10.5	E.S.E.	21.3	E.S.E.½S.	19.9	8.5	7.0	4.0	0.08	
18 ...	.068	.049	.022	71.1	79.5	79.4	80.7	70.4	.617	.632	.676	80.5	62.7	67.0	S.E. b. E.	7.6	E.S.E.	20.6	E.S.E.½S.	19.2	2.5	5.0	3.5	...	
19 ...	.029	.006	29.972	72.0	74.5	76.8	77.6	71.6	.722	.802	.824	92.0	93.9	89.0	E.S.E.½S.	17.2	E.S.E.	15.0	E.S.E.½S.	14.7	10.0	10.0	10.0	1.07	
20 ...	29.965	29.995	.950	73.8	78.5	77.4	80.0	72.4	.752	.784	.776	90.0	80.0	82.0	E.S.E.	13.0	E. b. S.	13.9	E. ½ N.	12.5	5.0	10.0	10.0	3.54	Lightning on 8th and 9th.
21 ...	.940	.952	.926	73.3	79.8	79.8	80.9	73.0	.734	.735	.714	89.5	71.8	69.8	E.b.S.½S.	6.5	East.	11.5	E. ½ S.	10.0	10.0	8.5	5.5	0.05	
22 ...	.934	.922	.904	70.8	81.0	79.6	81.4	70.2	.693	.715	.714	91.6	68.0	70.2	S.E. b. E.	3.2	S.E.b.E.	10.1	S. E.	10.4	2.0	5.2	5.5	...	
23 ...	.957	.904	.886	72.2	81.5	80.8	82.0	71.5	.693	.741	.736	88.0	69.2	69.4	S.E. b. E.	5.3	S.E.b.E.	10.0	E.S. E.	10.5	2.0	7.5	8.5	...	
24 ...	.905	.910	.885	74.0	81.2	81.0	81.8	73.8	.761	.776	.770	90.5	73.2	73.2	E.S.E.½S.	8.6	E. b. S.	16.7	E. S.E.	12.4	1.5	8.0	9.0	.02	
25 ...	.887	.872	.833	74.8	78.0	78.5	79.0	73.0	.765	.752	.740	88.5	77.8	75.4	S.E. b. E.	3.8	E.S.E.½S.	18.6	E. S.E.	18.8	10.0	10.0	9.0	.18	
26 ...	.809	.767	.727	73.0	80.5	80.5	81.5	71.4	.701	.767	.789	86.5	73.0	75.5	S.E. ½ E.	3.9	W.S.W.	12.6	W. S. W.	11.2	4.0	3.0	2.5	.21	
27 ...	.760	.745	.715	70.0	80.1	80.1	81.0	69.4	.663	.688	.688	89.8	66.6	66.6	S.S.W.½S.	3.5	S. ½ E.	11.1	S. b. W.	9.5	1.5	6.0	5.0	...	
28 ...	.824	.869	.864	73.0	79.5	79.0	80.4	72.9	.664	.658	.643	82.0	65.0	64.6	S.S.E.	9.6	S.E. b. S.	17.5	S. E. ½ S.	18.2	8.5	3.5	2.5	...	
29 ...	.984	30.041	30.022	71.5	78.3	77.6	79.4	71.0	.554	.561	.587	71.0	57.5	62.4	S.E.	10.4	E.S.E.	21.4	E. S.E.	21.2	1.0	1.5	2.8	...	
30 ...	30.115	.114	.085	71.0	77.5	76.4	78.8	70.4	.540	.578	.578	70.6	61.5	64.2	E.S.E.½S.	13.9	E.S.E.½S.	24.7	E.S.E.½S.	21.5	1.5	8.5	9.0	...	
31 ...	.084	.083	.061	74.0	78.5	77.0	79.2	72.8	.614	.678	.639	72.8	69.0	69.0	E. ½ S.	16.1	E. b. S.	23.9	E.b.S.½S.	21.0	9.0	7.5	7.0	.03	
Mean	29.951	29.948	29.924	72.6	79.2	78.6	80.6	72.1	.689	.724	.721	85.4	72.4	73.4		7.6		14.5		13.7	5.9	7.6	7.3	9.83	

METEOROLOGICAL OBSERVATIONS.

TABLE XXVII.—*Continued.*

Principal Elements at 6, 13, and 15 hours.—April, 1888.

Days.	Barometer. 6 hours.	Barometer. 13 hours.	Barometer. 15 hours.	Air Temperature. 6 hours.	Air Temperature. 13 hours.	Air Temperature. 15 hours.	Air Temperature. Maximum.	Air Temperature. Minimum.	Tension of Vapour. 6 hours.	Tension of Vapour. 13 hours.	Tension of Vapour. 15 hours.	Relative Humidity. 6 hours.	Relative Humidity. 13 hours.	Relative Humidity. 15 hours.	Wind. 6 hours. Direction.	Wind. 6 hours. Hourly Velocity.	Wind. 13 hours. Direction.	Wind. 13 hours. Hourly Velocity.	Wind. 15 hours. Direction.	Wind. 15 hours. Hourly Velocity.	Amount of Cloud. 6 hours.	Amount of Cloud. 13 hours.	Amount of Cloud. 15 hours.	Rainfall in 24 hours.	Remarks.
	Inch.	Inch.	Inch.	°	°	°	°	°	Inch.	Inch.	Inch.	P. C.	P. C.	P. C.		Miles		Miles		Miles				Inch.	
1 ...	30.064	30.066	30.041	72.8	78.5	76.8	79.7	72.3	.683	.715	.700	85.0	73.0	75.8	E. S. E.	11.6	East	17.1	E. b. S.	18.1	7.0	9.5	8.0	0.05	
2 ...	.077	.058	.036	71.0	78.0	78.0	79.3	70.0	.689	.735	.710	90.4	76.2	73.8	E. b. S. ½ S.	8.4	E. b. S.	22.4	E. b. S.	18.7	5.5	9.0	7.5	.17	
3 ...	.065	.052	.028	72.2	78.5	78.1	79.4	72.0	.681	.714	.668	86.5	73.0	69.5	E. b. S.	7.7	E. b. S.	18.8	E. b. S. ½ S.	21.2	10.0	7.0	4.5	.17	
4 ...	.046	.023	29.993	70.0	78.6	78.0	79.3	69.3	.613	.570	.620	83.0	58.0	64.6	E. S. E.	8.2	E. ½ S.	14.0	E. b. S. ½ S.	15.0	1.5	0.5	2.5	.03	
5 ...	29.988	29.987	.969	70.0	78.0	77.2	78.6	69.3	.613	.605	.603	83.0	63.0	64.8	S. E. b. E.	11.3	E. S. E.	19.5	E. S. E.	15.8	8.5	2.0	2.0	.05	
6 ...	.991	.953	.941	68.0	77.7	77.3	78.5	67.2	.584	.593	.609	85.0	62.9	65.3	E. S. E.	4.6	S. E. b. S.	11.5	S. E. b. E.	14.1	1.0	9.0	9.0	...	
7 ...	.992	.975	.953	67.0	78.4	78.4	79.4	66.7	.560	.600	.600	84.5	61.8	61.8	S. E.	5.8	S. E. ½ S.	11.9	S. E. ½ E.	14.1	0.5	3.0	2.5	...	
8 ...	30.018	30.004	.985	72.0	79.3	78.4	80.0	71.9	.684	.661	.687	87.5	65.8	70.6	S. E. b. E.	8 3	S. E.	19.4	S. E. b. E.	19.5	2.5	3.0	3.5	...	
9 ...	.033	.010	.989	72.6	79.6	78.8	80.4	72.3	.662	.709	.727	83.0	69.8	73.4	S. E. ½ S.	13.7	E. S. E.	21.1	E. S. E. ½ S.	18.8	1.5	4.5	2.0	.10	
10 ...	.015	.012	.996	72.4	79.3	78.6	80.2	72.3	.720	.682	.616	90.5	67.8	63.2	E. S. E.	11.8	E. S. E.	22.1	S. E. b. E.	23.5	1.5	5.0	0.5	...	
11 ...	.035	.038	30.028	71.8	78.0	77.1	78.6	71.5	.550	.595	.552	69.8	61.8	59.1	S. E.	14.0	E. S. E.	24.0	E. S. E.	20.4	0.5	3.0	2.0	...	
12 ...	.084	.074	.051	70.3	77.6	76.6	78.5	69.9	.537	.513	.504	71.8	57.2	54.4	S. E. b. E.	10.4	E. S. E.	23.9	E. S. E. ½ S.	22.4	1.5	5.0	0.3	...	
13 ...	.155	.163	.158	70.0	76.2	73.0	77.3	69.5	.525	.559	.593	71.0	62.4	72.8	S. E. ½ E.	13.5	S. E. b. E.	21.6	E. S. E.	17.2	1.8	4.0	10.0	.11	
14 ...	.199	.211	.192	70.0	76.0	75.0	76.8	69.4	.558	.579	.576	75.5	65.0	66.0	E. S. E. ½ S.	11.6	E. S. E.	20.4	E. S. E. ½ S.	19.7	4.0	7.0	6.5	...	
15 ...	.199	.160	.133	69.7	75.5	75.3	77.2	68.3	.608	.627	.661	83.5	70.4	74.8	S. E. b. E.	8.7	E. b. S.	21.3	E. S. E.	17.4	9.5	7.0	6.0	.04	
16 ...	.135	.111	.091	69.0	77.0	76.5	77.8	68.5	.587	.620	.626	83.0	67.0	69.0	S. E.	11.4	E. S. E.	19.0	E. S. E.	17.8	7.0	6.5	8.5	.14	
17 ...	.112	.085	.076	70.0	77.0	75.0	79.0	70.0	.636	.697	.752	86.0	75.0	86.5	S. E. ½ E.	9.5	E. S. E.	17.9	E. S. E. ½ S.	16.2	3.0	9.5	9.0	.18	
18 ...	.074	.041	.014	71.0	78.0	78.6	80.2	70.9	.693	.815	.800	91.0	84.5	81.0	S. E. b. E.	17.7	E. b. S. ½ S.	17.9	E. b. S. ½ S.	19.9	9.0	7.0	7.5	.06	
19* ...	.038	.022	29.994	74.8	73.0	73.0	78.6	74.0	.770	.722	.726	89.0	89.0	89.5	E. b. S.	12.1	S. E. b. E.	16.1	S. E. b. E.	12.6	9.5	10.0	10.0	.27	
20 ...	29.985	29.949	.919	70.7	78.8	79.0	79.7	70.1	.666	.710	.682	88.7	71.8	68.6	E. b. N.	4.0	E. b. S.	5.8	East	6.0	7.5	7.0	8.5	.22	
21 ...	.972	.979	.971	68.0	78.2	78.0	79.3	67.7	.617	.740	.605	89.8	76.2	63.0	S. E. b. E.	4.4	S. W.	6.3	S. E. b. E.	11.6	1.0	6.0	2.5	.23	
22 ...	30.047	30.033	30.015	69.5	79.0	78.0	79.8	67.0	.617	.666	.681	85.5	67.0	71.0	S. S. E.	3.8	E. b. S. ½ S.	15.1	E. S. E.	14.7	0.5	4.0	3.0	...	
23 ...	.082	.070	.064	71.3	77.5	76.5	78.5	70.4	.659	.651	.642	85.5	69.0	70.6	S. E. b. E.	9.8	E. S. E.	15.1	E. b. S. ½ S.	15.3	3.5	5.0	7.5	...	
24 ...	.099	.082	.057	71.0	79.1	78.4	80.0	69.0	.633	.664	.675	83.0	66.6	69.4	S. E.	5.3	E. b. S.	9.5	S. E. b. E.	11.0	2.3	4.5	3.5	...	
25 ...	.099	.085	.058	68.7	79.4	79.0	80.4	68 3	.617	.713	.724	87.4	70.6	72.6	S. E. b. S.	6.3	E. ½ N.	12.9	E. b. N.	11.3	1.5	3.5	3.5	.01	
26 ...	.117	.107	.075	72.0	80.0	79.6	81.3	71.0	.696	.707	.722	89.0	68.6	71.0	S. E. b. E.	5.9	East	9.9	E. S. E.	11.4	1.5	9.5	8.0	...	
27 ...	.126	.121	.107	73.0	79.2	78.4	80.1	72.3	.744	.745	.725	91.5	74.2	74.2	E. S. E.	8.1	East	14.1	E. b. N.	14.6	4.0	8.5	8.5	...	
28 ...	.122	.139	.103	72.7	80.2	79.0	81.0	72.4	.728	.610	.674	87.5	61.6	67.8	E. S. E.	7.6	East	10.7	East	14.1	7.0	3.0	4.0	...	
29 ...	.136	.111	.097	68.5	79.2	78.1	80.3	68.4	.624	.663	.656	89.2	66.2	68.3	S. E. b. E.	3.5	E. S. E.	14.5	S. E. b. E.	15.2	0.7	5.5	3.5	...	
30 ...	.095	.059	.056	70.2	77.0	73.7	78.5	67.0	.599	.639	.702	80.5	69.0	84.5	S. E. b. S.	1.9	S. E.	9.1	S. E.	8.6	1.0	6.5	9.0	.01	
Mean	30.073	30.059	30.040	70.7	78.1	77.2	79.3	70.0	.638	.663	.661	84.6	68.8	70.6		8.7		16.1		15.9	3.9	5.8	5.4	1·84	

* It is reported that hail fell at Nouvelle Découverte and also in Savanne accompanied with thunder.

TABLE XXVII.—*Continued.*

Principal Elements at 6, 13, and 15 hours.—May, 1888.

Days.	Barometer.			Air Temperature.					Tension of Vapour.			Relative Humidity.			Wind.						Amount of Cloud.			Rainfall in 24 hours.	Remarks.
															6 hours.		13 hours.		15 hours.						
	6 hours.	13 hours.	15 hours.	6 hours.	13 hours.	15 hours.	Maximum.	Minimum.	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.		
	Inch.	Inch.	Inch.	°	°	°	°	°	Inch.	Inch.	Inch.	P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inch.	
1 ...	30.063	30.036	30.021	69.2	76.9	76.2	77.8	68.1	.535	.607	.630	75.2	65.8	70.2	S. S. E. ½ S.	9.6	S. b. E.	3.9	S. E. ½ E.	4.7	4.0	6.0	8.0	0.06	
2 ...	.061	.048	.036	67.0	76.7	76.3	77.7	66.2	.567	.624	.592	85.5	68.2	65.8	S. E. ½ S.	5.8	E. b. S. ½ S.	13.3	E. b. S.	11.4	2.0	3.5	3.0	...	
3 ...	.076	.047	.029	69.5	77.2	76.3	77.8	69.2	.545	.522	.494	75.5	56.0	54.1	E.S.E. ½ S.	11.3	E.S.E. ½ S.	14.6	E.S.E. ½ S.	13.1	3.5	8.5	8.0	...	
4 ...	.087	.073	.051	69.5	76.7	76.1	78.2	68.0	.599	.655	.655	83.0	71.4	73.0	S.S.E.	8.3	E, S. E. ½ S.	13.1	E.S.E. ½ S.	15.0	4.2	9.0	8.5	.01	
5 ...	.102	.097	.074	72.0	73.7	76.0	76.5	71.5	.718	.753	.672	91.5	90.5	75.0	S.E. ½ E.	4.6	East.	13.2	East.	17.1	10.0	9.5	4.5	.23	
6 ...	.092	.043	.015	70.1	77.6	77.7	78.5	69.5	.649	.665	.675	87.5	70.2	71.0	S. E. b. E.	6.2	E.S.E.	13.8	E.S.E. ½ S.	15.1	7.0	5.0	3.0	.09	
7 ...	.004	29.977	29.960	71.0	79.0	78.0	79.6	70.2	.680	.687	.673	89.2	69.0	70.2	E.S.E. ½ S.	6.0	E.N.E. ½ N.	7.3	E.N.E.	11.1	1.8	4.3	2.5	...	
8 ...	.016	30.009	.990	70.0	78.7	79.0	80.2	69.7	.671	.733	.736	91.0	74.2	73.8	East.	8.4	E. ½ N.	11.0	N.E. b. E.	10.2	1.5	8.0	6.5	...	
9 ...	.056	.025	30.005	69.5	77.7	78.0	79.5	68.5	.637	.686	.681	88.5	72.2	71.0	E.S.E.	6.0	E. b. S.	14.4	E. b. S.	14.3	3.5	5.0	3.0	...	
10 ...	.062	.037	.021	67.0	77.5	77.5	78.4	66.5	.596	.682	.595	89.8	72.2	63.5	E.S.E.	6.8	E. b. S. ½ S.	13.0	E. b. S. ½ S.	14.6	0.7	5.0	2.0	...	
11 ...	.066	.037	.011	67.7	78.0	77.4	78.7	67.2	.600	.552	.614	88.0	57.2	65.4	S.E. b. E.	7.1	E. b. S.	12.3	E. b. S. ½ S.	14.0	2.0	1.5	2.0	...	
12 ...	.031	.022	29.987	65.4	77.0	76.5	78.0	64.3	.538	.544	.543	85.6	58.4	59.9	S. E. b. E.	5.7	E. S. E.	10.6	East.	10.8	2.5	3.0	3.0	...	
13 ...	.023	.007	.989	66.3	74.5	73.0	77.3	63.2	.538	.685	.660	83.5	80.0	81.5	E. b. N.	4.9	N.N.E.	3.8	S. E. ½ S.	12.5	0.3	9.0	8.0	...	
14 ...	.030	.013	30.003	69.5	75.3	73.3	78.0	68.3	.562	.673	.652	78.0	76.3	79.8	S.S.E. ½ S.	5.8	E.S.E.	12.8	E. S. E.	13.4	1.5	7.5	9.5	.08	
15 ...	.042	.029	.018	69.4	76.7	75.1	77.6	68.0	.604	.617	.648	84.0	67.4	73.6	S.S.W.	5.1	E. ½ S.	10.7	E. S. E.	10.2	4.0	8.0	4.5	...	
16 ...	.038	.001	29.996	68.0	76.4	73.4	78.1	65.2	.569	.675	.650	83.0	74.2	79.4	S.E. b. S.	5.9	West.	6.8	E. S. E. ½ S.	5.8	1.5	5.5	6.0	.06	
17 ...	.013	.025	30.025	65.3	77.0	77.0	78.3	64.1	.550	.577	.595	88.0	62.2	64.2	E.S.E. ½ S.	4.8	E. b. S.	9.5	E. b. S.	9.1	1.5	5.0	3.5	...	
18 ...	.082	.072	.049	68.0	78.7	77.3	79.4	67.5	.621	.670	.661	90.4	68.2	70.6	E.S.E.	6.0	E. b. N.	11.7	East.	12.0	1.0	4.5	7.5	...	
19 ...	.094	.087	.059	71.4	76.2	76.0	78.3	70.6	.699	.727	.730	90.8	80.2	81.0	E.b.N. ½ N.	4.7	N.E. b. N.	7.0	E. b. N.	8.6	8.5	10.0	8.5	.01	
20 ...	.088	.078	.048	72.0	77.5	77.4	78.6	71.7	.671	.636	.633	86.0	67.4	67.4	E. ½ S.	7.7	E.N.E. ½ N.	11.7	E.N.E. ½ N.	9.3	7.5	8.5	8.5	.03	
21 ...	.079	.051	.033	70.3	77.6	77.6	78.5	70.0	.689	.649	.612	92.8	68.6	64.6	E. b. S.	4.7	E.N.E. ½ N.	8.6	E.N.E. ½ N.	10.0	9.0	8.0	6.0	...	
22 ...	.090	.061	.032	68.5	77.5	76.7	79.0	67.2	.598	.643	.643	85.0	68.2	70.2	E. b. S.	3.5	E. b. N.	11.5	E. b. N.	11.8	3.0	4.0	3.5	...	
23 ...	.073	.048	.031	65.5	77.0	76.4	78.3	64.6	.554	.567	.544	88.0	61.0	60.2	East.	5.3	E. ½ N.	11.9	E. ½ N.	11.3	2.0	1.0	1.5	...	
24 ...	.084	.066	.052	68.0	77.5	77.0	78.6	66.4	.569	.544	.564	83.0	57.5	60.6	E. ½ S.	5.1	E. ½ N.	12.9	E. b. N.	10.3	1.5	3.0	5.0	...	
25 ...	.115	.087	.076	69.5	78.0	77.0	78.8	68.3	.617	.496	.518	85.5	51.8	56.0	E. b. S.	6.0	E. b. S.	15.5	E. b. S. ½ S.	16.4	6.5	1.5	3.5	.01	
26 ...	.077	.046	.033	70.0	77.9	76.8	78.5	69.2	.632	.638	.609	85.5	66.6	66.2	E. b. S. ½ S.	11.1	E. ½ S.	13.1	E. b. S.	14.4	7.0	4.5	5.0	.15	
27 ...	.085	.095	.077	71.2	77.0	77.1	78.1	70.4	.669	.658	.653	87.0	71.0	70.2	E.S.E.	4.3	E. b. S.	16.1	E. b. N.	15.8	9.0	6.5	3.0	.05	
28 ...	.115	.133	.124	71.0	78.7	77.3	79.4	70.8	.701	.670	.681	91.5	68.2	72.6	E. S. E.	7.4	E. ½ S.	20.7	East.	17.3	2.5	5.5	6.5	.11	
29 ...	.128	.106	.096	71.0	77.0	75.7	79.0	70·2	.649	.678	.690	85.0	73.0	77.7	E. S. E.	9.5	E. ½ N.	15.5	E. b. N.	12.9	4.5	9.0	9.5	...	
30 ...	.145	.117	.093	68.2	77.8	77.3	79.4	67.4	.622	.628	.616	89.8	65.8	65.8	E. b. S.	6.5	E. b. S.	16.0	East.	17.6	0.5	5.0	2.5	.05	
31 ...	.129	.099	.083	68.4	77.4	76.5	78.4	68.2	.618	.593	.609	88.6	63.4	67.0	E.S.E. ½ S.	4.7	E. b. N.	11.0	E. ½ N.	9.7	4.5	3.5	4.5	.05	
Mean	30.073	30.054	30.036	69.0	77.2	76.5	78.5	68.1	.615	.637	.630	86.3	68.3	69.1		6.4		11.8		12.3	3.9	5.8	5.2	0.99	

METEOROLOGICAL OBSERVATIONS.

TABLE XXVII.—*Continued.*

Principal Elements at 6, 13, and 15 hours.—June, 1888.

Days.	Barometer. 6 hours.	Barometer. 13 hours.	Barometer. 15 hours.	Air Temperature. 6 hours.	Air Temperature. 13 hours.	Air Temperature. 15 hours.	Air Temperature. Maximum.	Air Temperature. Minimum.	Tension of Vapour. 6 hours.	Tension of Vapour. 13 hours.	Tension of Vapour. 15 hours.	Relative Humidity. 6 hours.	Relative Humidity. 13 hours.	Relative Humidity. 15 hours.	Wind. 6 hours. Direction.	Wind. 6 hours. Hourly Velocity.	Wind. 13 hours. Direction.	Wind. 13 hours. Hourly Velocity.	Wind. 15 hours. Direction.	Wind. 15 hours. Hourly Velocity.	Amount of Cloud. 6 hours.	Amount of Cloud. 13 hours.	Amount of Cloud. 15 hours.	Rainfall in 24 hours.	Remarks.
	Inch.	Inch.	Inch.	°	°	°	°	°	Inch.	Inch.	Inch.	P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inch.	
1 ...	30.124	30 120	30.103	67.0	77.0	75.8	78.4	66.9	.560	.616	.599	84.5	66.6	66.8	S.E. b. S.	4.0	E.S.E.	15.5	E.S.E. ½ S.	14.7	0.5	6.0	4.0	...	
2 ...	.123	.107	.092	69.2	76.0	75.7	77.3	68.2	.622	.596	.601	87.0	67.0	67.2	S.E. ½ E.	7.7	E.S.E.	13.7	E.S.E.	12.5	4.5	4.5	7.0	0.04	
3 ...	.108	.068	.050	69.0	76.6	76.4	77.8	68.0	.587	.589	.578	83.0	64.6	64.2	S.S.E. ½ E.	4.8	East.	10.7	E.S.E.	10.1	4.0	5.0	2.5	...	
4 ...	.082	.054	.037	66.5	77.1	76.4	78.3	66.0	.578	.619	.643	89.1	66.6	71.0	E.S.E. ½ S.	6.4	E.N.E. ½ N.	10.0	E. b.N.	9.3	1.5	6.0	4.0	.02	
5 ...	.101	.081	.070	70.0	77.0	76.2	77.7	69.2	.667	.650	.658	90.0	70.2	73.0	N.E. b. E.	5.8	E.b.N. ½ N.	7.7	E.N.E. ½ N.	8.5	10.0	7.0	9.0	.10	
6 ...	.093	.088	.068	71.0	77.0	76.6	78.7	69.5	.652	.639	.625	85.5	69.0	68.6	S.E. b. E.	5.4	E.b.N.	11.5	E. b. S.	10.3	9.5	7.5	9.0	...	
7 ...	.083	.090	.081	69.0	76.7	76.4	78.3	68.4	.641	.655	.639	90.4	71.4	70.6	E. b. S. ½ S.	4.9	E.N.E. ½ N.	9.2	E.N.E. ½ N.	8.0	8.5	9.5	7.5	...	
8 ...	.124	.130	.119	68.4	76.8	76.3	78.0	68.0	.614	.609	.603	88.0	66.2	67.0	E. b. S. ½ S.	5.9	E.b.S. ½ S.	13.0	E. b. S.	11.9	3.0	4.5	3.0	...	
9 ...	.146	.105	.089	68.7	77.3	77.0	78.6	68.2	.639	.598	.598	91.0	64.1	64.6	S.E. ½ E.	6.6	E.b.N. ½ N.	11.8	E. b. N.	11.7	4.5	7.0	4.0	.04	
10 ...	.079	.044	.012	65.2	75.5	75.7	77.4	64.4	.555	.697	.698	89.2	79.0	78.7	E. b. S. ½ S.	5.6	N.N.W.	6.2	N.E. b. N.	4.8	0.5	7.0	7.0	...	
11 ...	29.995	29.977	29.967	68.0	75.8	75.0	76.5	67.0	.617	.589	.564	89.8	65.6	64.4	N. ½ W.	3.8	S.S.E.	13.5	S. b. E.	14.2	7.5	4.0	3.0	.59	
12 ...	30.021	30.040	30.024	67.1	74 0	73.2	75.0	66.0	.495	.492	.482	74.5	58.0	59.0	S.E. b. S.	7.6	S.E.	7.5	S.E. ½ S.	7.2	0.7	6.0	4.0	...	
13 ...	.085	.078	.062	63.3	73.8	73.7	75.1	62.5	.425	.527	.535	73.3	63.2	64.4	S.E. ½ S.	5.8	S.E. b. S.	11.9	S.E. b. S.	13.1	0.5	5.5	2.0	...	
14 ...	.161	.160	.147	66.0	74.0	73.0	74.4	65.7	.529	.486	.463	83.0	57.4	56.8	E.S.E.	8.4	S.E. b. S.	25.6	S.E. b. S.	23.3	8.5	1.5	1.0	0.3	
15 ...	.186	.156	.140	62.2	75.0	72.4	75.6	61.0	.378	.431	.489	67.7	49.9	59.6	S.E.	5.7	E S.E.	17.2	E.S.E. ½ S.	17.7	0.5	4.0	3.5	...	
16 ...	.185	.144	.136	60.3	73.1	73.0	73.4	59.3	.408	.546	.534	78 1	67.2	66.0	S.E.	3.6	E.S.E.	14.6	E.S.E. ½ S.	14.8	1.5	8.5	6.5	...	
17 ...	.184	.164	.163	63.8	72.8	72.5	73.4	61.5	.458	.504	.541	77.8	61.8	67.0	S.E.	5.0	E.b.N.	11.7	East.	13.9	3.0	3.5	2.0	...	
18 ...	.213	.180	.167	62.1	73.5	72 7	74.4	61.9	.455	.506	.548	81.5	61.7	67.7	S.E. b. S.	3.3	S.E.	10.0	S.E.	4.0	2.5	3.5	7.0	...	
19 ...	.148	.116	.105	64.6	72.8	72.3	73.6	62.5	.537	.474	.451	88.6	57.8	56.1	S.E.	2.9	S.S.E.	24.6	S.S.E. ½ E.	25.6	10.0	1.0	0.5	...	
20 ...	.139	.130	.104	62.3	71.4	72.4	73.6	61.7	.423	.521	.467	76.5	67.4	58.2	S.E.	6.0	E.S.E.	13.4	S.E. b S.	15.2	8.5	8.0	5.5	.03	
21 ...	.113	.099	.091	65.0	74.0	72.0	75.3	64.7	.520	.535	.567	84.5	63.6	72.0	S.E. ½ S.	7.5	S.E. ½ E.	16.6	S.E. b. S.	9.6	6.0	6.0	9.0	.05	
22 ...	.139	.133	.117	66.4	70.5	72.0	74.0	65.4	.576	.635	.581	89.0	84.5	74.0	S.E. b. E.	11.5	E.b.S. ½ S.	16.9	E.S.E.	16.1	5.5	9.0	6.0	.34	
23 ...	.154	.129	.115	61.5	73.6	73.6	76.0	60.0	.495	.599	.595	91.0	72.1	71.6	S.E. b. E.	3.9	E. ½ S.	20.4	E b. S.	15.9	1.0	8.0	10.0	.05	
24 ...	.188	.177	.164	67.6	74.8	74.5	75.6	67.1	.507	.512	.516	75.0	58.8	60.0	E.S.E.	11.3	East.	22.0	E. b. S.	18.7	3.5	2.5	3.0	.02	
25 ...	.202	.231	.220	69.0	75.2	74.4	76.4	67.4	.569	.477	.517	80.5	54.4	60.4	E. b. S.	16.7	E.b.N.	17.1	E. ½ S.	17.5	6.5	4.5	4.5	.04	
26 ...	.234	.225	.211	62.0	73.7	74.0	75.0	62.0	.456	.438	.443	82.0	51.9	52.9	E. b. S.	5.9	E.S.E.	15.9	E.b.S. ½ S.	13.2	4.0	1.0	0.5	...	
27 ...	.269	.289	.267	66.0	73.0	73.5	74.7	65.5	.564	.561	.579	88.0	69.2	70.0	S.E.	6.2	E.S.E.	17.8	E.S.E. ½ S.	15.6	4.0	5.5	4.0	.05	
28 ...	.294	.281	.264	65.0	74.0	73.6	75.7	64.7	.510	.541	.514	83.0	64.4	62.6	S.E. b. E.	7.2	E. ½ S.	22.4	E. ½ S.	21.1	2.0	5.0	2.5	.03	
29 ...	.243	.218	.210	65.5	74.3	74.0	75.3	64.4	.537	.531	.522	85.0	62.4	62.0	S.E. b. E.	11.0	E.S.E. ½ S.	16.6	E.S.E.	17.3	7.5	4.0	3.0	.04	
30 ...	.236	.220	.201	66.4	72.2	70.2	74.0	65.9	.583	.633	.625	90.2	80.7	84.0	E.S.E.	11.0	E.S.E. ½ S.	21.1	E.S.E. ½ S.	17.8	9.0	7.0	6.5	.17	
Mean	30.148	.134	30.120	65.9	74.6	74.1	75.9	65.1	.539	.560	.559	83.9	65.2	66.0		6.7		15 2		13.8	4.6	5.4	4.7	1.64	

* It is reported that a *trombe* fell in Western Suburb of Port Louis flooded the Streets.

TABLE XXVII.—*Continued.*

Principal Elements at 6, 13, and 15 hours.—July. 1888.

Days.	Barometer. 6 hours.	Barometer. 13 hours.	Barometer. 15 hours.	Air Temperature. 6 hours.	Air Temperature. 13 hours.	Air Temperature. 15 hours.	Air Temperature. Maximum.	Air Temperature. Minimum.	Tension of Vapour. 6 hours.	Tension of Vapour. 13 hours.	Tension of Vapour. 15 hours.	Relative Humidity. 6 hours.	Relative Humidity. 13 hours.	Relative Humidity. 15 hours.	Wind. 6 hours. Direction.	Wind. 6 hours. Hourly Velocity.	Wind. 13 hours. Direction.	Wind. 13 hours. Hourly Velocity.	Wind. 15 hours. Direction.	Wind. 15 hours. Hourly Velocity.	Amount of Cloud. 6 hours.	Amount of Cloud. 13 hours.	Amount of Cloud. 15 hours.	Rainfall in 24 hours.	Remarks.
	Inch.	Inch.	Inch.	°	°	°	°	°	Inch.	Inch.	Inch.	P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inch.	
1 ...	30.211	30.197	31.185	67.3	74.0	74.0	74.8	67.0	.559	.522	.525	83.5	62.0	62.4	S. E. ½ E.	10.2	E. S. E.	16.9	E. S. E.	18.8	1.0	2.0	3.5	0.08	
2 ...	.216	.203	.183	66.5	74.1	74.5	75.6	66.1	.571	.546	.538	87.9	64.8	62.8	E.S.E. ½ S.	6.6	E.S.E. ½ S.	15.1	E. ½ S.	17.7	0.5	5.5	3.5	...	
3 ...	.230	.218	.200	67.5	75.0	74.0	76.0	67.0	.599	.579	.544	88.6	66.4	64.8	E. b. N.	8.7	E.b.S. ½ S.	20.3	E. b. S.	21.6	9.0	4.5	4.5	.28	
4 ...	.223	.216	.186	66.3	75.4	74.0	76.0	66.1	.574	.589	.554	88.5	66.8	66.0	E.S.E. ½ S.	8.1	E. S. E.	17.7	E. b. S.	15.5	2.5	4.5	5.0	.06	
5 ...	.220	.213	.188	66.0	74.0	73.5	75.5	65.0	.564	.492	.497	88.0	58.0	60.5	E.b.S. ½ S.	6.5	E.b.S. ½ S.	17.9	E.S.E. ½ S.	18.7	5.0	4.0	4.0	.03	
6 ...	.231	.260	.244	67.5	74.8	74.7	76.0	67.2	.577	.578	.578	85.0	67.2	67.2	E.S.E. ½ S.	8.1	E. b. S.	24.5	E.S.E.	19.8	7.0	4.5	4.5	.06	
7 ...	.253	.261	.233	66.7	75.4	75.0	77.0	66.4	.575	.570	.569	88.1	64.4	65.2	E. S. E.	6.3	East.	19.4	E. b. S.	19.3	3.0	6.0	4.5	.02	
8 ...	.265	.265	.241	68.4	72.8	71.0	75.8	67.5	.617	.589	.618	88.6	73.3	81.0	E.b.S. ½ S.	8.8	East.	17.5	E. b. S.	14.7	3.0	8.0	10.0	...	
9 ...	.262	.252	.228	67.8	74.0	72.7	75.7	66.1	.504	.564	.590	74.0	67.2	73.7	E.S.E. ½ S.	12.0	East.	20.3	East.	15.1	2.5	6.0	6.0	.06	
10 ...	.235	.225	.203	66.0	73.8	73.5	75.0	66.0	.564	.568	.572	88.0	68.0	69.2	E.S.E. ½ S.	6.3	E. b. S.	20.9	E. b. S.	19.1	6.0	8.0	4.5	.08	
11 ..	.252	.238	.214	67.0	74.6	73.6	76.0	65.0	.570	.538	.546	86.0	62.4	66.0	E.S.E. ½ S.	6.1	E. ½ S.	13.6	E.S.E. ½ S.	14.9	7.0	5.0	5.5	.07	
12 ...	.267	.248	.236	65.6	74.8	73.4	75.4	65.2	.515	.446	.463	82.0	51.7	56.0	S. E.	5.7	S. E. ½ E.	21.9	S.E. b. E.	22.1	2.5	2.0	3.5	.02	
13 ...	.262	.228	.200	65.4	74.1	74.0	75.5	65.0	.574	.506	.554	91.6	59.7	66.0	S. E. b. E.	8.2	S. E. ½ E.	13.4	S. E. ½ E.	14.2	2.0	6.5	4.5	...	
14 ...	.190	.132	.115	64.0	74.0	74.5	75.8	63.4	.470	.507	.504	78.5	60.0	58.9	S. E. ½ E.	6.0	E. ½ S.	11.5	E.b.S. ½ S.	9.5	2.0	3.0	3.5	.02	
15 ...	.118	.094	.074	58.7	73.3	74.0	74.9	57.6	.450	.544	.528	90.9	66.4	62.8	E.S.E.	7.1	N.W.b.W.	10.2	W. ½ S.	12.9	1.0	2.0	2.5	...	
16 ...	.120	.106	.086	58.0	73.2	73.0	74.8	57.1	.439	.565	.551	90.6	69.2	68.0	S. E.	6.7	West.	7.9	W. ½ S.	6.7	0.3	3.0	7.0	...	
17 ...	.142	.133	.117	59.0	73.6	74.0	75.0	58.0	.424	.540	.492	85.6	65.2	58.0	E. S. E.	6.5	W. ½ S.	7.4	N.W. ½ N.	6.6	0.0	1.0	2.0	...	
18 ...	.152	.137	.111	58.5	73.1	73.4	74.6	56.7	.414	.517	.517	84.0	63.7	63.2	S. E.	7.4	W.b.N.	8.7	W.S.W. ½ W.	10.2	1.5	3.0	3.0	...	
19 ...	.171	.150	.147	61.0	70.4	70.4	71.3	60.3	.476	.512	.496	89.2	68.6	66.6	E. S. E.	4.9	S.S.E. ½ S.	15.6	S.S.E.	11.9	5.5	9.5	9.0	...	
20 ...	.236	.234	.205	63.0	72.0	72.3	73.5	62.0	.443	.468	.451	77.0	59.0	56.1	S. E.	6.4	E.S.E. ½ S.	14.1	E.b.S. ½ S.	16.6	8.0	8.5	4.5	..	
21 ..	.245	.246	.224	64.5	73.2	72.4	74.5	64.1	.552	.473	.473	91.0	57.8	59.0	S. E.	5.8	E.b.S. ½ S.	17.4	E.b.S. ½ S.	17.4	10.0	5.0	4.0	.20	
22 ...	.254	.241	.221	63.7	73.5	72.5	75.4	62.3	.468	.497	.487	78.5	60.5	60.2	S. E. b. E.	8.0	E.S.E. ½ S.	18.3	S. E. b. E.	17.9	2.0	4.5	4.0	...	
23 ...	.246	.213	.195	66.4	74.6	74.0	75.6	65.8	.489	.503	.510	76.0	58.6	60.4	E.S.E. ½ S.	11.2	E. b. S.	21.1	E.b.S. ½ S.	18.4	6.0	5.0	4.5	.04	
24 ...	.201	.183	.146	64.0	71.8	72.7	75.0	61.7	.492	.632	.526	82.0	80.5	65.4	S. E. b. E.	3.5	W. b. S.	4.4	E.S.E.	7.4	2.5	8.0	7.5	...	
25 ..	.181	.161	.132	62.5	73.4	73.8	74.7	60.2	.449	.523	.465	79.5	64.0	55.6	S. E.	5.1	S. b. W.	10.8	S.S.E. ½ E.	14.0	0.5	5.5	4.0	.11	
26 ...	.231	.231	.225	65.2	72.5	70.6	73.3	64.1	.469	.432	.454	76.0	53.7	60.6	S.S.E. ½ E.	6.3	S. E. ½ S.	25.2	S. S. E.	18.9	6.5	3.5	4.0	...	
27 ...	.304	.283	.261	64.0	69.0	69.0	71.0	63.0	.403	.551	.531	67.0	78.0	75.0	S. E.	11.3	E. S. E.	21.1	S. E. b. E.	20.8	9.5	4.0	4.0	.08	
28 ...	.303	.289	.276	65.0	70.4	69.2	71.5	64.0	.469	.457	.461	76.5	61.4	64.0	E.b.S. ½ S.	15.8	E. b. S.	22.0	E.b.S. ½ S.	21.6	5.0	8.0	7.5	.09	
29 ...	.271	.251	.243	65.0	72.7	68.3	73.2	63.5	.432	.455	.540	70.5	56.1	78.0	E.S.E.	15.5	E. S. E.	19.1	E. b. S.	16.9	9.0	4.5	9.5	.08	
30 ...	.240	.214	.204	63.0	73.0	72.4	73.8	62.2	.474	.376	.422	82.0	46.2	52.8	S. E. ½ E.	8.3	E.b.S. ½ S.	17.2	E.b.S. ½ S.	17.8	9.0	3.5	3.0	.08	
31 ...	.234	.216	.195	63.4	71.4	72.3	73.3	63.0	.488	.484	.423	83.6	63.0	53.1	S. E. ½ E.	7.9	E. S. E.	18.7	E.S.E.	16.5	10.0	6.0	2.5	.04	
Mean ..	30.224	30.211	30.191	64.4	73.3	72.8	74.7	63.5	.505	.520	.515	83.2	63.3	63.8		7.9		16.5		15.9	4.6	5.0	4.8	1.50	

TABLE XXVII.—*Continued.*

Principal Elements at 6, 13, and 15 hours—August, 1888.

Days.	Barometer. 6 hours.	Barometer. 13 hours.	Barometer. 15 hours.	Air Temperature. 6 hours.	Air Temperature. 13 hours.	Air Temperature. 15 hours.	Air Temperature. Maximum.	Air Temperature. Minimum.	Tension of Vapour. 6 hours.	Tension of Vapour. 13 hours.	Tension of Vapour. 15 hours.	Relative Humidity. 6 hours.	Relative Humidity. 13 hours.	Relative Humidity. 15 hours.	Wind. 6 hours. Direction.	Wind. 6 hours. Hourly Velocity.	Wind. 13 hours. Direction.	Wind. 13 hours. Hourly Velocity.	Wind. 15 hours. Direction.	Wind. 15 hours. Hourly Velocity.	Amount of Cloud. 6 hours.	Amount of Cloud. 13 hours.	Amount of Cloud. 15 hours.	Rainfall in 24 hours.	Remarks.
	Inch.	Inch.	Inch.	°	°	°	°	°	Inch.	Inch.	Inch.	P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inch.	
1 ...	30.241	30.214	30.193	63.0	73.8	72.7	74.8	62.9	.393	.412	.430	68.0	48.9	53.1	S.E. b. E.	5.2	E.S.E. ½ S.	17.2	S.E. b. E.	14.8	3.5	2.5	2.0	0.01	
2 ...	.234	.198	.179	66.0	73.5	72.8	74.4	65.6	.406	.412	.457	64.0	49.5	56.2	E.S.E. ½ S.	5.6	E.S.E.	18.1	E.S.E.	18.6	10.0	4.0	2.5	...	
3 ...	.202	.174	.160	64.2	73.2	73.0	74.3	63.5	.489	.441	.427	81.0	53.4	52.2	S.E.	8.3	S.E. b. E.	16.1	E.S.E. ½ S.	15.1	9.0	3.0	1.5	...	
4 ...	.167	.143	.116	65.5	73.2	74.2	75.5	64.0	.460	.465	.417	73.5	56.6	49.0	S. b. E.	10.0	S.E. ½ S.	5.2	S.S.E. ½ E.	13.8	5.5	8.0	1.0	...	
5 ...	.180	.174	.145	66.8	72.0	71.5	72.8	66.4	.505	.448	.445	77.0	56.4	57.5	S.S.E.	4.6	S.S.E. ½ E.	25.9	S.S.E. ½ E.	27.1	6.5	1.0	3.0	...	
6 ...	.203	.173	.141	65.0	71.7	72.0	73.4	63.0	.424	.486	.460	69.0	62.2	57.8	S.S.E. ½ E.	13.4	S.E.	14.2	S.E. ½ E.	13.6	8.5	4.0	4.0	...	
7 ...	.132	.104	.075	58.0	72.6	72.8	74.4	57.0	.421	.462	.405	87.0	57.2	50.1	S.S.E. ½ E.	3.9	S.E. b. E.	17.9	E.S.E. ½ S.	14.9	2.0	4.5	2.0	.02	
8 ...	.102	.118	.097	65.0	71.4	71.4	72.6	64.4	.566	.650	.634	91.6	84.0	82.0	E. b. S.	3.3	E.N.E.	9.7	E. b. N.	13.2	10.0	10.0	6.5	.21	
9 ...	.169	.180	.161	66.3	73.7	74.1	75.6	66.0	.596	.608	.594	92.2	73.2	70.4	E.S.E.	7.9	E. b. S.	17.3	E. ½ S.	16.4	3.0	7.5	4.0	.31	
10 ...	.236	.238	.222	67.2	75.2	74.4	76.4	67.0	.608	.609	.607	91.0	69.2	71.2	E.S.E.	8.7	E. b. S. ½ S.	23.3	E.S.E.	21.2	3.0	4.0	4.0	.22	
11 ...	.276	.262	.236	66.0	73.5	73.5	74.5	66.0	.586	.497	.497	91.6	60.5	60.5	S.E. b. E.	10.7	E. b. S. ½ S.	20.1	E.S.E.	19.4	8.0	1.0	2.5	.21	
12 ...	.270	.262	.247	64.0	73.0	72.4	74.1	63.6	.440	.515	.503	73.5	63.6	62.6	S.E. ½ E.	7.9	E. b. S. ½ S.	21.3	E.S.E.	20.9	0.5	7.5	8.0	.04	
13 ...	.300	.290	.269	66.4	73.0	70.2	73.6	66.2	.459	.430	.525	71.4	52.5	70.6	E.S.E. ½ S.	12.4	E.S.E.	22.1	E.S.E.	20.7	3.5	7.0	3.5	.04	
14 ...	.281	.266	.244	65.2	72.7	72.7	73.8	65.0	.555	.464	.455	89.2	57.3	56.1	S.E. b. E.	12.3	E. b. S.	20.7	E. b. S.	21.0	8.5	7.5	6.5	.13	
15 ...	.256	.226	.198	62.0	72.0	72.5	73.4	60.2	.441	.483	.484	79.5	61.0	59.8	E.S.E. ½ S.	4.5	E.S.E.	16.8	E.S.E.	16.5	1.5	5.5	3.5	.02	
16 ...	.234	.198	.185	62.3	72.7	72.5	73.8	62.1	.483	.461	.490	86.2	56.9	60.6	S.E. b. E.	6.3	E.S.E.	16.1	E.S.E.	14.8	3.0	4.0	3.5	.15	
17 ...	.222	.172	.162	62.3	73.2	72.8	74.2	61.8	.483	.509	.514	86.2	62.6	63.0	S.E. ½ E.	6.7	E.S.E.	15.0	E b. S. ½ S.	14.9	3.5	4.5	3.0	.08	
18 ...	.170	.140	.128	60.4	73.8	73.2	75.3	60.1	.479	.544	.548	91.6	65.2	67.2	E.S.E.	3.9	East.	13.4	E. b. N.	11.4	2.0	6.0	8.0	.02	
19 ...	.169	.158	.141	64.3	74.4	73.3	75.9	64.1	.548	.582	.571	91.3	68.4	69.6	E.S.E. ½ S.	6.1	East.	18.5	East.	18.1	2.0	4.0	5.0	...	
20 ...	.185	.164	.137	66.0	74.8	73.4	75.4	66.0	.564	.544	.562	88.0	62.8	68.4	E.S.E.	9.2	E. b. S.	21.9	E. ½ S.	18.3	2.5	5.0	7.5	.22	
21 ...	.146	.117	.088	68.5	72.6	72.7	74.0	67.8	.629	.662	.673	88.6	83.0	84.0	E. ½ N.	6.0	E. b. N. ½ N.	14.0	E.N.E.	12.3	10.0	10.0	10.0	.09	
22 ...	.096	.101	.081	67.3	74.0	73.5	75.0	67.0	.629	.664	.619	94.6	79.0	75.0	E.N.E. ½ N.	3.3	N.W. b. N.	11.8	N.N.W. ½ N.	7.9	9.0	9.0	9.5	.54	
23 ...	.114	.116	.104	63.4	74.2	72.4	75.7	63.0	.521	.626	.634	89.6	73.7	80.4	S.E.	6.8	E.S.E. ½ S.	8.8	E.S.E. ½ S.	11.3	0.5	10.0	9.5	...	
24 ...	.196	.216	.208	67.3	74.0	71.6	75.4	67.2	.606	.574	.602	90.4	68.4	77.0	E.S.E.	16.5	E.S.E.	20.5	E.S.E.	22.0	8.5	6.0	9.5	.48	
25 ...	.265	.247	.208	67.4	73.9	72.7	75.3	67.2	.543	.522	.538	81.0	62.4	66.2	S.E.	15.3	E.S.E.	21.7	E.S.E.	21.5	8.5	9.5	9.0	.04	
26 ...	.248	.221	.185	66.4	74.2	74.0	75.0	66.0	.551	.551	.568	85.0	65.2	67.6	S.E. b. E.	10.2	E. b. S.	19.3	E.S.E.	18.9	1.0	2.5	3.0	.02	
27 ...	.203	.177	.145	65.6	74.7	73.4	75.7	65.3	.546	.513	.542	86.2	59.2	66.0	S.E. b. E.	9.5	E. b. S. ½ S.	17.3	E.S.E.	19.6	2.0	5.5	2.5	...	
28 ...	.170	.142	.126	63.6	74.0	73.8	75.3	62.3	.454	.522	.512	77.6	62.0	62.0	S.E. ½ S.	8.8	E.N.E. ½ N.	12.9	E.N.E.	11.4	0.0	4.5	2.0	...	
29 ...	.216	.217	.199	66.1	75.0	75.0	76.4	66.0	.581	.520	.501	90.5	59.2	57.1	E.S.E. ½ S.	9.5	E.S.E	16.8	E. b. S.	16.0	2.0	3.5	3.0	.02	
30 ...	.272	.246	.233	66.3	76.7	75.5	77.5	66.2	.559	.571	.555	86.5	62.9	62.9	S.E. b. E.	7.5	E. b. S.	18.8	E. b. S. ½ S.	20.3	1.0	4.0	3.0	...	
31 ...	.268	.253	.231	68.0	75.5	75.1	76.3	67.7	.569	.542	.512	83.0	61.3	58.1	S.E. b. E.	13.4	E.S.E.	21.1	E.S.E. ½ S.	19.2	2.0	4.5	2.5	...	
Mean.	30.207	30.191	30.169	65.0	73.6	73.1	74.8	64.5	.519	.525	.525	83.7	62.8	64.3		8.3		17.2		17.0	4.5	5.5	4.7	2.87	

TABLE XXVII.—*Continued.*

Principal Elements at 6, 13, and 15 hours.—September, 1888.

Days.	Barometer. 6 hours.	Barometer. 13 hours.	Barometer. 15 hours.	Air Temperature. 6 hours.	Air Temperature. 13 hours.	Air Temperature. 15 hours.	Air Temperature. Maximum.	Air Temperature. Minimum.	Tension of Vapour. 6 hours.	Tension of Vapour. 13 hours.	Tension of Vapour. 15 hours.	Relative Humidity. 6 hours.	Relative Humidity. 13 hours.	Relative Humidity. 15 hours.	Wind. 6 hours. Direction.	Wind. 6 hours. Hourly Velocity.	Wind. 13 hours. Direction.	Wind. 13 hours. Hourly Velocity.	Wind. 15 hours. Direction.	Wind. 15 hours. Hourly Velocity.	Amount of Cloud. 6 hours.	Amount of Cloud. 13 hours.	Amount of Cloud. 15 hours.	Rainfall in 24 hours.	Remarks.
	Inch.	Inch.	Inch.	°	°	°	°	°	Inch.	Inch.	Inch.	P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inch.	
1 ...	30.291	30.245	30.216	66.3	74.0	73.4	74.6	65.8	.559	.522	.520	86.5	62.0	63.6	S.E.b.E,	12.4	S, E. b. E.	22.2	E.S.E.	22.0	10.0	4.5	4.5	0.03	
2 ...	.273	.231	.203	63.8	71.5	71.5	72.6	63.2	.389	.431	.474	65.4	55.5	61.5	S. E.	12.2	E. ½ S.	21.4	E. b. S.	19.1	8.5	3.0	4.5	.02	
3 ...	.257	.231	.209	62.0	72.8	71.9	73.4	61.2	.487	.504	.496	88.0	61.8	63.0	E. S.E. ½ S.	9.5	E. ½ N.	16.3	East.	16.5	3.5	6.0	8.5	.01	
4 ...	.280	.250	.217	65.0	72.8	72.2	73.4	64.6	.534	.511	.521	86.5	62.6	65.4	E,S.E. ½ S.	9.2	E. S. E.	18.3	E. b. S. ½ S.	17.0	5.5	8.0	9.0	.04	
5 ...	.271	.243	.224	64.4	71.0	71.2	72.7	64.3	.519	.553	.557	86.0	72.2	72.2	S. E. ½ E.	8.2	E. S. E.	18.8	E.S.E. ½ S.	14.2	10.0	6.0	9.5	.01	
6 ...	.254	.218	.190	61.7	73.0	73.0	74.0	60.4	.460	.564	.548	83.8	71.5	67.6	S, E. b.E.	2.2	E. S. E.	18.6	S. E. b. E.	17.0	6.5	9.0	5.0	.02	
7 ...	.221	.209	.173	64.8	71.6	71.7	72.4	64.4	.534	.594	.597	87.6	76.0	76.0	S. E.	5.2	S. E. b. E.	15.2	E.S.E. ½ S.	13.4	3.5	10.0	7.0	.12	
8 ...	.223	.172	.164	64.3	74.8	70.5	75.3	64.1	.511	.518	.587	84.7	59.6	78.0	S. E.	8.5	E. b. S.	14.5	E.S.E. ½ S.	12.3	3.0	4.5	9.0	.11	
9 ...	.164	.150	.120	66.6	73.3	74.0	76.0	66.2	.577	.524	.538	88.6	64.3	64.0	E. S. E.	10.6	E. ½ S.	17.1	E. b. S.	14.9	7.0	6.0	4.5	.18	
10 ...	.167	.127	.098	64.0	75.3	75.0	76.6	63.8	.515	.500	.479	86.2	56.5	55.0	E. S. E.	6.9	E. ½ N.	14.1	E. b. S. ½ S.	13.5	3.5	4.5	2.5	...	
11 ...	.145	.101	.081	67.0	76.6	75.0	77.6	66.0	.574	.544	.590	86.5	61.2	67.6	E. ½ S.	5.6	E. b. N.	12.9	E.N.E. ½ N.	9.3	9.5	7.5	10.0	...	
12 ...	.110	.074	.052	65.1	78.6	76.5	79.5	65.0	.542	.443	.590	87.4	47.9	65.0	S. E. b. E.	7.2	East.	11.6	W. S. W.	9.3	2.0	2.5	7.0	...	
13 ...	.111	.058	.042	61.0	76.2	76.4	77.6	60.4	.477	.576	.500	89.2	64.4	54.6	S.E.b.E.	6.2	W. b. S.	20.7	W. S. W.	15.1	0.5	2.0	1.5	...	
14 ...	.117	.082	.058	64.0	75.0	74.5	75.7	63.7	.461	.423	.449	77.0	49.0	52.0	S.S.W. ½ S.	7.3	S. ½ E.	12.2	South.	14.8	1.5	2.5	2.5	...	
15 ...	.174	.155	.130	64.0	73.2	72.8	74.0	62.9	.420	.428	.418	70.0	51.9	51.6	S. E. b. S.	6.0	S. ½ E.	9.9	S. E. b. S.	19.7	1.5	6.5	6.0	...	
16 ...	.216	.179	.155	64.2	73.0	72.5	73.8	63.0	.428	.487	.493	71.2	60.0	61.0	S. E. b. S,	7.0	E. S. E.	12.0	S.E. ½ E.	14.5	4.0	9.5	9.0	...	
17 ...	.211	.178	.165	65.3	72.8	73.5	75.0	64.1	.496	.445	.454	80.0	54.6	54.5	S. b. E.	7.2	S. E. ½ E.	15.6	S. E. ½ E.	18.3	9.0	4.5	3.0	.01	
18 ...	.240	.233	.199	64.5	71.4	71.2	72.3	63.5	.414	.427	.415	68.0	55.0	53.6	S. S. E. ½ S.	9.0	S. E. b. E.	16.8	S. E. b. E.	16.7	6.0	10.0	8.5	...	
19 ...	.232	.184	.139	66.0	75.0	75.1	76.7	65.5	.443	.437	.433	69.5	50.5	49.9	E. b. N.	6.7	E. S. E.	12.1	East.	11.2	9.5	6.0	4.5	...	
20 ...	.158	.124	.094	64.5	76.5	76.4	77.5	64.0	.552	.492	.503	91.0	53.5	55.0	E. S. E.	6.4	E. N. E.	11.0	E.N.E. ½ N.	9.2	3.0	3.0	2.5	.01	
21 ...	.155	.163	.135	66.0	77.6	76.0	78.8	66.0	.550	.518	.497	86.0	54.8	55.0	E. S. E.	12.3	E.S.E. ½ S.	12.4	E.S.E.	15.4	0.5	6.0	3.0	...	
22 ...	.229	.202	.177	64.5	74.0	73.9	76.4	63.8	.498	.492	.462	81.9	58.0	54.9	E.S.E. ½ S.	11.9	E. S. E.	19.1	E. b. S.	17.5	9.0	9.0	8.0	.01	
23 ...	.215	.183	.159	65.0	72.6	73.2	74.6	64.7	.555	.507	.494	89.8	62.6	60.6	E.S.E. ½ S.	5.9	E. S. E.	17.9	E.b.S. ½ S.	16.4	8.0	9.5	8.0	.10	
24 ...	.173	.165	.140	66.6	72.5	72.1	75.6	66.2	.497	.508	.497	76.5	63.0	62.6	S.E.b.S.	5.1	S. E. b. E.	17.9	E.S.E.	16.1	9.5	9.0	6.5	...	
25 ...	.188	.164	.164	63.0	75.0	72.0	76.4	62.4	.520	.510	.564	90.4	58.0	71.5	S. E. ½ E.	6.3	East.	16.5	E.S.E. ½ S.	17.4	5.5	9.0	9.5	.19	
26 ...	.199	.157	.139	65.5	75.0	74.4	76.6	64.2	.572	.485	.470	91.0	55.6	55.0	E. b. S.	6.0	E.b.N.	16.0	E.b.N. ½ N.	12.9	8.5	5.5	4.5	.14	
27 ...	.184	.110	.082	61.7	75.3	75.2	77.0	60.4	.460	.476	.483	83.8	54.1	55.0	E. b. S.	6.7	E.N.E. ½ N.	12.6	E.N.E. ½ N.	11.9	2.5	4.5	7.5	...	
28 ...	.139	.095	.075	66.7	77.0	76.0	78.3	65.5	.589	.518	.541	89.8	56.0	60.6	E. ½ N.	7.7	E.b.N. ½ N.	11.0	E. N. E.	11.1	8.5	8.5	9.5	...	
29 ...	.094	.073	.063	65.4	78.2	77.0	79.4	64.9	.574	.592	.595	91.6	61.2	64.2	E.b.N. ½ N.	6.5	N. E. b. E.	12.2	E. N. E.	13.0	2.0	5.0	4.5	...	
30 ...	.125	.089	.075	69.0	77.6	76.4	79.1	69.0	.606	.543	.537	85.5	57.2	59.4	E.N.E. ½ N.	9.7	E. N. E.	14.5	E. b. N.	13.4	3.5	4.0	2,2	.03	
Mean..	30.194	30.162	30.138	64.7	74.4	73.8	75.8	64.1	.510	.502	.510	83.3	59.0	61.0		7.7		15.4		14.8	5.5	6.2	6.1	1.03	

TABLE XXVII.—*Continued.*

Principal Elements at 6, 13, and 15 hours.—October, 1888.

Days.	Barometer. 6 hours.	Barometer. 13 hours.	Barometer. 15 hours.	Air Temperature. 6 hours.	Air Temperature. 13 hours.	Air Temperature. 15 hours.	Air Temperature. Maximum.	Air Temperature. Minimum.	Tension of Vapour. 6 hours.	Tension of Vapour. 13 hours.	Tension of Vapour. 15 hours.	Relative Humidity. 6 hours.	Relative Humidity. 13 hours.	Relative Humidity. 15 hours.	Wind. 6 hours. Direction.	Wind. 6 hours. Hourly Velocity.	Wind. 13 hours. Direction.	Wind. 13 hours. Hourly Velocity.	Wind. 15 hours. Direction.	Wind. 15 hours. Hourly Velocity.	Amount of Cloud. 6 hours.	Amount of Cloud. 13 hours.	Amount of Cloud. 15 hours.	Rainfall in 24 hours.	Remarks.
	Inch.	Inch.	Inch.	°	°	°	°	°	Inch.	Inch.	Inch.	P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inch.	
1 ...	30.143	30.094	30.074	64.8	77.3	76.6	78.4	64.5	.554	.534	.529	90.4	56.9	58.0	E. ½ N.	6.5	E.N.E.½N.	11.5	E.N.E. ½ N.	9.8	1.0	6.5	5.0	...	
2 ...	.130	.119	.083	63.0	74.2	74.4	76.5	62.8	.513	.611	.619	89.2	72.0	72.4	E.N.E.½N.	4.9	N. W.	6.5	N. N. W.	4.1	7.0	9.0	9.5	...	
3 ...	.157	.138	.116	64.4	74.2	73.8	75.0	64.0	.540	.657	.603	89.6	77.7	72.3	S. E.	5.7	S. E. ½. E.	13.3	S. E. b. S.	13.9	8.5	10.0	9.5	...	
4 ...	.226	.223	.216	67.3	73.0	72.4	75.7	67.0	.521	.568	.569	78.0	70.0	71.4	S. E. b. E.	13.2	E.S.E. ½ S.	22.5	E.S.E.½ S.	19.2	3.5	10.0	10.0	0.01	
5 ...	.281	.256	.242	68.4	76.5	75.4	77.4	67.2	.573	.508	.487	82.5	55.5	55.0	S. E. ½ E.	13.0	S. E. b. S.	22.0	E.S.E.½ S.	21.3	9.5	5.0	7.5	...	
6 ...	.298	.291	.262	66.4	72.6	71.5	76.0	66.2	.500	.573	.589	77.5	71.6	75.5	S. E. b. E.	9.3	E.S.E. ½ S.	21.9	E. ½ N.	21.3	4.5	7.0	9.0	...	
7 ...	.309	.285	.255	66.4	72.0	70.9	73.7	65.4	.540	.578	.598	83.5	73.5	78.5	S. E. b. E.	10.6	E. b. S.	26.2	E.b.S. ½ S.	20.1	8.5	6.5	7.0	.08	
8 ...	.246	.179	.160	65.5	73.3	75.3	78.4	64.3	.547	.521	.476	86.8	63.9	54.1	E. S. E.	6.9	E. b. N.	17.8	E. ½ S.	20.6	3.5	2.5	2.0	.25	
9 ...	.184	.137	.122	67.3	76.8	75.2	78.6	66.1	.580	.552	.560	86.2	60.6	63.8	E.b.S. ½ S.	10.3	E. b. N.	15.0	East.	15.7	2.5	6.0	8.5	...	
10 ...	.167	.113	.089	69.4	77.5	76.0	79.1	68.7	.581	512	.485	81.0	54.5	53.8	E. b. S.	15.5	E.b.N.½N.	17.9	E b. N.	13.9	7.5	4.0	8.0	.03	
11 ...	.165	.123	.117	65.0	76.6	75.6	77.5	64.5	.566	.575	.629	91.6	63.6	70.4	E. b. S.	6.0	N.E. b. E.	9.6	North.	6.7	7.5	9.5	9.5	...	
12 ...	.138	.112	.096	65.0	75.0	74.3	76.3	63.9	.566	.650	.644	92.2	74.0	75.8	S. S. W.	4.2	N. W.	4.3	N. W.	5.4	4.0	9.0	10.0	.37	
13 ...	.116	.040	.031	67.0	75.7	74.5	77.0	66.3	.571	.583	.611	86.0	65.2	71.2	W. N. W.	3.8	S. E.	5 6	S.E. ½ S.	3.7	2.0	8.0	9.0	.08	
14 ...	.080	.052	.028	67.0	75.4	74.5	78.4	66.5	.563	.606	.561	85.0	68.4	65.6	S.S.E. ½ E.	8.0	E.S. E.½S.	7.4	E.b.S.½ S.	11.1	1.5	7.5	9.0	.01	
15 ...	.074	.053	.037	68.6	78.5	77.4	79.4	67.4	.611	.564	.523	86.8	57.5	55.7	S: E.	7.6	N.E.b.E.	12.7	E.b.N.½ N.	10.9	9.0	4.3	2.5	.06	
16 ...	.0 73	.060	.032	65.6	72.8	73.5	76.7	64.2	.549	.592	.575	86.8	73.8	69.6	S. E. ½ S.	6.5	E. b. N.	6.2	E. b. N.	4.4	2.7	9.5	9.0	...	
17 ...	.017	29.981	29.944	62.3	75.6	74.8	78.4	62.0	.515	.585	.592	92.2	65.6	68.4	S. E. b. S.	13.0	W. b. N.	10.5	W. b. S.	8.9	2.0	6.5	9.0	.02	
18 ...	29.978	.944	.933	63.5	75.0	74.8	76.8	62.6	.532	.576	.588	91.0	66.0	68.0	S. E. b. E.	5.8	E. N. E.	11.1	E.N.E.	9.2	1.0	9.5	9.5	.03	
19 ...	30.033	30.004	.978	65.5	76.5	74.8	77.7	64.0	.471	.481	.524	75.5	52.3	60.4	S. S. E.	7.5	S. E. b. S.	10.2	North.	10.8	3.5	9.5	85	.34	
20 ...	.051	.045	30.007	66.3	76.8	77.0	78.0	65.4	.542	.594	.591	84.0	64.6	63.8	S.S.E. ½ S.	4.8	N. W. b. W.	11.8	W.N.W.½N.	11.6	9.5	4.5	4.5	...	
21 ...	.071	.059	.041	68.2	75.7	75.4	78.6	68.1	.618	.654	.683	89.2	73.2	77.4	S. b. E.	7.3	E. ½ N.	13.4	E. ½ S.	14.2	10.0	10.0	10.0	.04	
22 ...	.123	.099	.068	72.1	80.2	79.8	81.4	71.4	.703	.687	.661	89.5	66.2	64.6	S. E. b. E.	7.2	E. b. N.	17.7	E ½ S.	17.7	9.5	5.5	3.0	.25	
23 ...	.114	.073	.057	72.0	79.2	77.7	81.0	71.4	.700	.652	.671	89.5	65.2	70.6	E. S. E.	10.0	E. S. E.	12.2	E.b.S.½S.	13.7	8.0	8.0	9.0	...	
24 ...	.085	.039	.029	69.0	79.1	77.3	81.4	67.7	.637	.645	.673	89.4	64.7	71.8	S. E. b E.	7.2	E. N. E.	11.1	S. S. W.	8.8	1.0	6.5	9.0	...	
25 ...	.077	.053	.029	67.0	76.1	75.2	76.9	65.0	.567	.632	.686	85.5	70.6	78.2	E.N.E. ½N.	4.4	N.W b.N.	3.6	S. W.	8.3	2.0	9.5	10.0	...	
26 ...	.094	.037	.027	68.0	78.5	77.0	79.7	66.7	.555	.571	.564	81.0	58.3	60.6	S. E. b S.	6.6	E. N. E.	10.2	East.	8.3	0.2	6.5	7.5	.03	
27 ...	.088	.041	.008	64.0	79.0	78.0	79.9	62.2	.512	.526	.571	85.6	53.0	59.0	S. E. b. E.	5.1	N. N. E.	9.9	N. W.	7.3	0.2	3.0	8.0	...	
28 ...	.046	29.999	29.981	67.0	79.5	80.0	80.1	62.6	.596	.572	.578	89.8	56.3	56.0	S. ½ W.	4.5	E.b.N. ½ N.	9.6	E.N.E. ½N.	5.9	1.0	3.5	9.0	...	
29 ...	.073	30.008	.984	66.5	81.0	80.1	81.6	65.1	.571	.554	.577	87.9	51.8	55.7	E. S. E.	3.1	N. E. b.E.	8.3	N. N. E.	7.9	0.5	1.5	0.3	...	
30 ...	.072	29.997	.975	68.5	80.4	80.0	81.4	66.0	.620	.591	.588	88.6	56.3	56.9	East.	4.2	N. E.	10.8	E. N. E.	5.9	5.5	5.0	2.5	...	
31 ...	29.990	.966	.951	69.0	82.0	80.4	82.7	66.2	.637	.571	.619	89.8	52.5	59.0	East.	6.2	N. E.b. N.	11.6	North.	8.6	1.5	4.5	8.5	...	
Mean..	30.120	30.085	30.064	66.8	76.6	75.9	78.4	65.7	.569	.583	.588	86.5	63.7	65.6		7.1		12.3		11.3	4.5	6.8	7.6	1.60	

METEOROLOGICAL OBSERVATIONS.

TABLE XXVII.—*Continued.*

Principal Elements at 6, 13, and 15 hours.—November, 1888.

Days.	Barometer. 6 hours.	Barometer. 13 hours.	Barometer. 15 hours.	Air Temperature. 6 hours.	Air Temperature. 13 hours.	Air Temperature. 15 hours.	Air Temperature. Maximum.	Air Temperature. Minimum.	Tension of Vapour. 6 hours.	Tension of Vapour. 13 hours.	Tension of Vapour. 15 hours.	Relative Humidity. 6 hours.	Relative Humidity. 13 hours.	Relative Humidity. 15 hours.	Wind. 6 hours. Direction.	Wind. 6 hours. Hourly Velocity.	Wind. 13 hours. Direction.	Wind. 13 hours. Hourly Velocity.	Wind. 15 hours. Direction.	Wind. 15 hours. Hourly Velocity.	Amount of Cloud. 6 hours.	Amount of Cloud. 13 hours.	Amount of Cloud. 15 hours.	Rainfall in 24 hours.	Remarks.
	Inch.	Inch.	Inch.	°	°	°	°	°	Inch.	Inch.	Inch.	P. C.	P. C.	P. C.		Miles		Miles		Miles				Inch.	
1 ...	30.040	30.002	29.984	70.0	80.7	80.0	83.0	69.0	.667	.591	.613	90.4	55.7	59.0	N.E.	4.0	N.E.	11.6	N.E. b. N.	12.4	1.0	6.5	7.0	...	
2 ...	.042	.005	.983	68.6	80.2	80.0	82.0	67.1	.607	.576	.581	86.2	55.4	56.3	E. b. S.	3.3	N. b. E. ½ E.	11.6	N.N.E. ½ E.	15.0	3.0	7.5	7.0	...	
3 ...	.040	.038	.990	69.5	78.6	79.6	82.5	67.4	.629	.634	.557	87.3	65.2	54.8	E. ½ N.	4.4	N. E. ½ E.	12.8	N. E. b. N.	11.0	1.0	8.5	7.5	...	
4 ...	.040	.017	.991	69.0	82.6	81.7	84.0	68.0	.617	.557	.539	87.0	50.1	49.1	E. b. N.	3.9	E. N. E.	10.5	E. N. E.	11.2	0.5	2.5	3.5	0.01	
5 ...	.043	.017	.995	70.0	82.0	81.0	83.5	67.7	.655	.617	.637	88.6	56.4	60.0	S. E. b. E.	3.2	E. N. E.	11.7	N. E. ½ E.	13.2	0.3	5.5	7.5	.02	
6 ...	.058	.006	.987	70.6	82.3	81.4	83.3	70.0	.684	.624	.603	91.0	56.4	55.6	E.N.E. ½ N.	3.6	N. E. ½ E.	13.2	N.E. b. E.	11.4	3.5	5.5	3.0	...	
7 ...	.052	.002	.990	71.5	83.0	81.1	84.0	70.0	.672	.621	.651	86.7	54.9	61.3	E.b.N. ½ N.	4.6	N. E. b. E.	13.9	N.E. b. E.	12.2	2.5	5.0	5.5	...	
8 ...	.048	.016	.992	73.7	80.3	80.3	82.0	72.0	.745	.654	.654	89.5	62.9	62.9	E.b.N. ½ N.	5.9	N. E.	16.0	N. E. ½ N.	16.1	4.0	9.5	7.5	...	
9 ...	.016	.003	.975	73.0	81.0	81.0	82.4	71.2	.641	.656	.675	79.0	62.0	64.0	N.E. ½ E.	5.7	N.N.W ½ N.	12.9	N. N. W.	11.8	1.0	6.0	4.0	...	
10* ...	.004	29.972	.953	70.6	81.8	81.6	82.4	69.0	.680	.703	.706	90.4	64.8	65.6	N.N.W ½ W.	2.9	W. b. S.	13.9	W. S. W.	15.6	7.5	9.0	8.0	...	
11 ...	.053	30.008	.989	71.3	78.7	78.4	79.6	70.5	.461	.459	.448	60.1	46.7	46.1	S. E. b. S.	25.4	S. E. b. S.	23.8	S. E. b. S.	21.2	5.5	2.0	1.5	.02	
12 ...	.101	.093	30.068	69.0	73.7	74.0	77.0	68.2	.389	.481	.435	54.5	57.9	52.0	S. S. E. ½ E.	11.4	S. E.	19.1	S. E. b. E.	19.6	9.5	10.0	9.5	...	
13 ...	.124	.109	.071	69.7	72.0	77.1	79.4	67.9	.422	.557	.441	57.2	70.5	48.0	S. E. ½ S.	13.4	E. S. E.	16.6	E. S. E.	18.7	8.5	10.0	8.5	...	
14 ...	.099	.077	.051	68.6	78.0	77.6	79.5	67.4	.559	.508	.511	80.0	53.0	54.2	S. E. ½ E.	8.5	E. b. S. ½ S.	19.3	E. b. S. ½ S.	20.6	9.0	7.5	6.0	.19	
15 ...	.051	.020	29.999	70.0	79.5	78.2	80.6	68.8	.628	.552	.546	85.0	54.5	56.3	East.	7.6	E. b. N. ½ N.	17.0	E.b. N. ½ N.	15.6	9.0	8.0	8.5	.13	
16‡ ...	.029	.024	30.006	70.0	80.1	79.0	81.4	67.0	.580	.547	.536	78.5	53.0	53.9	E. b. N.	7.7	E.N.E. ½ N.	11.7	E.b. N. ½ N.	10.1	9.0	9.5	9.0	.02	
17 ...	.028	.024	.016	71.0	80.0	78.9	81.3	69.6	.652	.628	.608	85.5	69.6	61.9	E. ½ N.	5.4	N. E.	11.2	N. E. b. E.	11.9	2.0	7.5	8.0	...	
18 ...	.028	.006	29.972	71.5	81.5	81.2	82.0	69.7	.648	.657	.672	83.5	61.3	63.4	East.	6.3	E. b. N.	16.0	E. b. N.	15.9	1.0	8.0	8.0	...	
19 ...	.030	.012	.995	73.3	81.5	79.2	83.0	73.1	.743	.700	.663	90.5	65.7	66.2	East.	6.9	E. b.N. ½ N.	15.4	E. ½ N.	14.6	5.5	7.0	8.5	.09	
20 ...	.046	.045	30.028	74.6	81.2	80.5	82.6	73.1	.755	.704	.699	88.0	66.6	66.6	E. ½ N.	8.0	E. b. N.	15.8	E. b. N.	15.2	10.0	7.0	6.0	.14	
21 ...	.065	.032	.022	73.6	81.7	80.8	82.6	73.0	.765	.673	.668	92.2	62.7	63.4	E b. N. ½ N.	6.4	N. E. b. E.	14.2	E.N.E. ½ N.	12.9	10.0	6.0	5.0	.23	
22 ...	.103	.082	.073	73.5	82.0	81.3	83.0	72.2	.749	.679	.687	90.5	60.8	64.7	E. b. N.	5.8	E. N. E.	11.1	E. b. N.	10.8	9.0	5.5	7.5	.05	
23 ...	.154	.124	.097	73.7	83.0	82.6	84.6	71.1	.728	.665	.616	87.5	58.5	55.2	E. S. E.	5.8	E. b. S.	12.3	E. S. E. ½ S.	12.9	1.8	4.5	3.0	.03	
24 ...	.168	.136	.114	73.5	79.3	81.0	82.3	72.4	.689	.661	.637	83.5	65.8	66.0	E. ½ S.	7.2	S. E. b. E.	16.0	E. b. S.	18.2	6.0	7.0	5.5	.05	
25 ...	.137	.110	.081	71.9	80.6	80.5	82.3	70.0	.650	.589	.572	82.5	55.7	54.5	S. E. b. E.	5.2	E. b. N.	17.7	E. b. S.	15.4	2.3	4.5	4.0	.15	
26 ...	.124	.079	.066	73.0	81.5	80.7	82.6	72.1	.649	.571	.570	80.0	52.4	53.9	E. S. E. ½ S	9.2	East	22.3	E. b. S.	17.9	7.0	5.0	5.5	...	
27 ...	.093	.076	.050	73.3	81.1	81.4	82.7	71.1	.629	.579	.607	76.8	53.9	56.0	S. E. b. E.	8.3	E. N. E.	18.8	E. ½ N.	18.1	2.5	5.5	8.0	...	
28 ...	.074	.039	.015	72.5	78.7	79.8	81.2	71.4	.704	.675	.670	89.0	68.6	65.4	S. E. b. E.	8.1	E. ½ N.	15.3	E. b. N.	14.3	7.0	6.5	8.5	.08	
29 ...	.042	.020	.000	73.0	82.4	79.6	83.6	71.5	.722	.656	.673	89.0	58.8	66.2	E. b. N.	4.5	E. b.N. ½ N.	13.5	E. b. N.	12.0	2.5	6.0	9.0	.04	
30 ...	.076	.063	.024	74.0	81.1	81.0	83.7	71.0	.680	.628	.637	81.0	58.9	60.0	E. b. S.	8.1	E. b. N. ½ N.	11.7	East	14.7	8.0	7.5	9.5	...	
Mean	30.066	30.042	30.019	71.6	80.3	80.0	82.1	70.1	.647	.613	.604	83.0	59.3	58.7		7.0		14.9		14.7	5.0	6.7	6.7	1·25	

* Between 11 and 12 hours a beautiful prismastic Solar halo was observed.
†† In forenoon a solar prismatic halo was observed. At 13 h. 03 m. two solar halos observed.

TABLE XXVII.—*Continued.*

Principal Elements at 6, 13, and 15 hours.—December, 1888.

Days.	Barometer. 6 hours.	Barometer. 13 hours.	Barometer. 15 hours.	Air Temperature. 6 hours.	Air Temperature. 13 hours.	Air Temperature. 15 hours.	Air Temperature. Maximum.	Air Temperature. Minimum.	Tension of Vapour. 6 hours.	Tension of Vapour. 13 hours.	Tension of Vapour. 15 hours.	Relative Humidity. 6 hours.	Relative Humidity. 13 hours.	Relative Humidity. 15 hours.	Wind. 6 hours. Direction.	Wind. 6 hours. Hourly Velocity.	Wind. 13 hours. Direction.	Wind. 13 hours. Hourly Velocity.	Wind. 15 hours. Direction.	Wind. 15 hours. Hourly Velocity.	Amount of Cloud. 6 hours.	Amount of Cloud. 13 hours.	Amount of Cloud. 15 hours.	Rainfall in 24 hours.	Remarks.
	Inch.	Inch.	Inch.	°	°	°	°	°	Inch.	Inch.	Inch.	P. C.	P. C.	P. C.		Miles.		Miles.		Miles.				Inch.	
1 ...	30.065	30.042	30.018	72.0	77.8	79.5	81.9	71.1	.739	.769	.740	94.0	80.0	73.0	E.S.E.	10.0	E. b. N.	11.4	E. b. N.	13.0	7.5	9.5	9.5	0.08	
2 ...	.033	.020	29.995	75.0	82.0	81.0	83.1	74.5	.783	.701	.687	90.0	64.0	65.2	E.N.E.	9.3	N.E.	13.5	E.N.E. ½ N.	12.6	6.5	6.0	4.5	.67	
3 ...	.016	29.996	.970	72.5	82.0	81.3	83.0	72.3	.731	.666	.679	91.5	60.4	63.9	E. b. N.	3.2	N.E. ½ N.	11.6	N. E. ½ N.	11.4	5.5	6.5	6.5	...	
4 ...	29.982	.982	.959	72.0	82.0	80.9	83.9	71.2	.696	.613	.589	89.0	56.1	55.1	N. E. ½ E.	4.1	N.E. ½ N.	12.1	N.E. b. N.	11.3	2.0	3.0	7.0	...	
5 ...	30.005	.986	.974	71.8	81.3	80.2	83.4	71.0	.700	.671	.695	90.0	63.1	67.0	E.N.E.	3.8	N. ½ E.	8.8	N. b. E.	7.6	3.5	7.5	9.5	...	
6 ...	29.992	.976	.965	72.0	79.0	78.0	80.6	70.5	.696	.720	.765	89.0	72.2	79.0	South	3.9	S. E.	4.3	S.W. ½ W.	3.7	3.5	9.5	10.0	.88	
7 ...	30.015	30.024	.992	74.0	77.4	77.4	81.6	73.0	.726	.767	.724	86.5	81.4	76.6	S. ½ E.	5.8	E. ½ N.	12.0	E. S. E.	9.9	5.5	8.0	7.0	.16	
8 ...	.031	.040	30.019	73.7	82.0	82.0	83.6	73.2	.723	.709	.726	87.0	64.8	66.4	E. S. E.	6.6	East.	16.6	E. ½ S.	19.2	3.5	3.5	6.0	.19	
9 ...	.057	.043	.022	75.0	81.6	81.5	82.3	74.5	.797	.779	.758	91.5	72.4	70.8	E. ½ N.	11.9	East	16.3	E. ½ N.	15.0	9.0	8.0	6.5	.49	
10 ...	.045	.035	.011	75.0	82.1	81.6	83.7	74.5	.783	.740	.735	90.0	67.6	68.4	E. b. N.	7.7	E.N.E.	13.0	E.b.N. ½ N.	13.4	4.0	7.0	7.0	.09	
11 ...	.067	.081	.065	75.0	83.6	82.1	84.4	74.3	.787	.658	.699	90.5	56.7	63.7	E. ½ N.	7.2	E. b. N.	12.1	E.b.N. ½ N.	12.5	6.0	5.0	5.5	.04	
12 ...	.114	.101	.074	73.2	82.3	81.4	83.4	72.0	.710	.677	.677	87.0	61.1	63.6	E. b. S.	5.8	E. b. N.	17.2	East.	16.1	7.0	4.0	5.0	.01	
13 ...	.086	.059	.022	73.3	80.4	81.3	82.6	72.1	.675	.726	.699	82.5	69.4	65.9	E. S. E.	9.1	E. b. S.	6.2	East.	17.0	1.5	6.0	6.5	.04	
14 ...	.062	.038	.008	75.7	82.1	81.6	83.6	75.4	.771	.699	.669	86.5	63.7	62.2	E. ½ N.	10.3	E.b. N. ½ N.	17.9	E. N. E.	17.1	5.0	4.5	5.5	.05	
15 ...	.071	.040	.004	74.4	82.0	82.0	83.3	74.1	.635	.647	.674	74.4	58.8	61.2	East.	10.9	E.b. N. ½ N.	14.8	E. b. N.	15.2	2.0	4.0	6.5	.05	
16 ...	.053	.033	.002	73.4	81.1	81.1	82.6	73.0	.750	.686	.658	91.0	64.9	62.1	E.S.E.	8.2	E. b. N.	13.3	E. b. N.	12.0	8.0	5.5	4.5	.39	
17 ...	.026	29.982	29.970	70.7	83.0	80.7	84.0	70.2	.662	.665	.657	88.1	58.5	62.5	E. b. S. ½ S.	4.5	E.S.E.	14.2	East.	14.5	5.5	4.0	8.5	...	
18 ...	29.984	.931	.907	69.0	84.0	82.1	85.0	66.0	.573	.591	.634	81.0	50.4	57.6	S. E.	5.5	S.E. b. E.	12.0	S. E. b. S.	7.3	0.5	6.0	7.0	...	
19 ...	.963	.953	.940	72.7	82.3	80.0	83.9	70.5	.685	.767	.775	85.5	69.6	75.0	South	2.4	West.	10.4	W.S.W. ½ S.	7.2	2.0	9.0	9.5	...	
20 ...	.990	.999	.986	74.0	77.7	77.2	82.2	73.6	.676	.775	.789	80.5	81.0	84.0	S.E. b. E.	5.9	N.E.	7.3	E. S. E. ½ S.	10.9	3.0	10.0	9.5	.02	
21 ...	30.003	30.009	30.003	71.1	80.0	76.2	82.0	69.1	.670	.745	.753	87.5	72.2	83.0	S. E. ½ S.	2.8	S. E. b. S.	10.2	S.E.	11.7	2.0	9.0	10.0	.47	
22 ...	.018	29.994	29.989	73.6	81.3	79.9	82.6	72.7	.651	.675	.704	79.1	63.5	68.6	S. E. ½ S.	3.8	South	7.9	South	6.6	9.5	6.0	9.0	.20	
23 ...	.005	.993	.980	73.0	82.3	81.1	83.4	72.2	.705	.673	.678	87.0	60.7	64.1	S. E. b. E.	9.6	East	15.1	E. b. S.	12.6	5.0	5.0	8.5	.03	
24 ...	.026	30.019	.997	74.0	83.4	82.2	84.4	71.9	.731	.699	.722	87.0	60.8	65.8	S. E. b. E.	5.9	E. b. N.	13.0	E. b. N. ½ N.	13.4	9.5	8.0	9.5	...	
25 ...	.046	.029	30.019	76.4	81.4	77.0	82.6	75.4	.749	.751	.783	82.0	70.4	84.0	E. b. S. ½ S.	8.4	E. b. N. ½ N	12.9	N. N. E.	8.6	10.0	10.0	10.0	...	
26 ...	.050	.036	.018	76.0	80.5	78.0	82.6	75.4	.801	.767	.735	89.0	73.0	76.2	East.	8.8	E. N. E. ½ N	17.1	N. E. ½ E.	16.4	8.5	9.0	10.0	.65	
27 ...	.055	.031	29.998	73.0	77.1	75.4	77.9	72.5	.744	.827	.794	91.5	88.5	90.0	E.S.E. ½ S.	9.6	E. b. N.	12.9	E. N. E.	13.3	10.0	10.0	10.0	1.48	
28 ...	.034	.007	.987	70.0	74.2	74.2	75.6	69.6	.683	.789	.771	92.8	93.0	91.0	E. b. S. ½ S.	10.8	E. b. N.	11.1	E. b. N.	11.5	10.0	10.0	10.0	3.31	
29 ...	29.989	29.996	.964	72.0	73.0	73.0	75.0	71.5	.722	.766	.766	92.0	94.0	94.0	E. b.N. ½ N.	9.2	N. E. ½ E.	12.1	E. ½ N.	10.3	10.0	10.0	10.0	2.56	
30 ...	.950	.945	.916	75.0	81.0	80.3	81.8	73.0	.820	.788	.788	94.0	74.8	75.8	E. b. N.	6.4	N. b. E. ½ E.	13.5	N.N.E.	11.3	8.3	9.5	10.0	.68	
31 ...	.941	.926	.900	76.0	80.7	81.3	82.0	75.1	.834	.807	.770	92.5	77.2	72.4	N. b. E.	4.0	N. b E. ½ E.	12.4	N. b. E.	11.3	9.5	9.0	9.0	.10	
Mean..	30.025	30.011	29.987	73.4	80.7	79.7	82.3	72.4	.724	.720	.719	87.7	69.2	71.2		6.9		12.7		12.1	6.0	7.2	8.0	12.64	

TABLE XXVIII.

Results of Actinometric Observations during the year, 1888.

Months.	Mean Radiation Result.	Mean Altitude of the Sun.	No. of Observations.	Remarks.
	Deg.			
January	9.52	88° —15′	5	Highest meridian altitude 89° 53′, on Jan. 20.
February	9.53	82 —30	1	
March	9.12	68 —50	4	
April	9.01	60 —30	6	
May	8.94	50 —25	6	
June	8.76	46 —50	6	Lowest meridian altitude, 46° 27′, on June 21.
July	8.79	49 —10	6	
August	8.81	55 —30	9	
September	9.23	67 —15	8	
October	9.57	82 —00	7	
November	9.47	87 —10	3	Highest meridian altitude, 89° 58′, on November 21.
December	9.64	87 —10	5	
	Deg.			
Mean	9.20	65° —54′	5.5	

The above observations have been taken with a Balfour Stewart Actinometer, No. 2, Casella, at or as near apparent Noon as possible, the time of exposure being two minutes. The thermometer used throughout was No. 58,530. All observations vitiated by the passage of clouds or by visible or suspected presence of cir. have been rejected.

METEOROLOGICAL OBSERVATIONS.

TABLE XXIX.

Thunder and Lightning.

Months.	Days.	
January	5	Between 11.30 and 17.25, distant thunder at Nrd., and at E. N. Erd. at 18.37. Lightning at Nrd. at 17.25 and at E. N. Erd. at 18.37.
"	6	At 7.50, one peal of distant thunder at Srd. At 19.30, lightning at Wrd., and between 19.50 and 20.15 thunder and lightning at Srd.
"	8	Between 17.50 and 18.45, heavy and constant thunder at Wrd. and S. Wrd.
"	10	At 12.30, distant thunder at S. S. Wrd.
"	11	At 6.10, distant thunder at Srd. ; Nrd. at 7.45 ; at S. Wrd. at 11.52 ; and at Wrd. at 12.14. At 13, heavy thunder with forked lightning at Srd. and S. Wrd. At 14.55, distant thunder at Srd. and at S. Wrd. between 16.30 and 17. At 20.15, thunder and lightning at Nrd.
"	12	Between 3.45 and 4.35, thunder and lightning at Wrd. Between 7.25 and 7.30, thunder at Erd.
"	17	In evening, sheet lightning at W. S. Wrd.
"	29	Early this morning, sheet lightning at N. Wrd.
February	2	Late in evening, constant sheet lightning at N. Wrd. and Wrd., and lightning at S. S. Erd.
"	3	Between 19.30 and 20.25, much and frequent lightning at E. S. Erd., confined to one cloud near horizon. At 17 distant thunder, which continued in evening, chiefly at E. S. Erd.
"	4	In evening, lightning at Wrd.
"	5	From 13.40 to 16, distant thunder at Wrd.
"	5–6	In evening, night, and morning, thunder and lightning at N. Wrd., Wrd., S. Wrd., and at times overhead. At 2.30, heavy thunder with broad and vivid flashes of lightning overhead, at Wrd., Erd., and Nrd. At 6 and 7, thunder at N. Wrd. ; from Wrd. to overhead, at 8.25 ; at N. Wrd. at 9. Between 10 and 11.30, thunder at Nrd., N. Wrd., overhead, Wrd., and Srd. Between 12.30 and 12.55, thunder-storm with vivid flashes of lightning from overhead to Erd. At 17.15, thunder and lightning at S. Wrd. In evening and night, lightning chiefly at N. Erd., and distant thunder at Nrd., and N. Erd.
"	7	Between 9.35 and 11.30, thunder at intervals at Nrd,, Wrd., S. Wrd., Erd., and at times overhead. At 10 and 11.15, heavy peals with lightning. At Port Louis, heavy thunder-storm with lightning from 9.55 to 10.08. Between 14.54 and 15.25, thunder at Wrd., and Srd. Between 17.45 and 18.15, thunder at S. Wrd. At 18.17 and 18.20, two terrific peals with blinding lightning overhead. In evening, lightning at Wrd., S. Wrd., and S. S. Wrd., and distant thunder at Wrd., and W. S. Wrd. Between 22 and 22.45, thunder and lightning from overhead to Erd.

METEOROLOGICAL OBSERVATIONS.

TABLE XXIX.— *(Continued.)*

Thunder and Lightning.

Months.	Days.	
February	8	From 14.30 to late in afternoon, thunder at long intervals at Srd., W. S. Wrd., Erd., S. Erd., and E. S. Erd. Thunder heard nearly all night and morning. From 18 to 19.20, constant thunder over Moka mountains.
"	9	At 4.45, much lightning at Wrd., N. Wrd., Nrd., and Erd., and distant thunder at Wrd. Between 6 and 8.50, thunder at W. N. Wrd., to N. Wrd., N. N. Wrd., and Wrd., and between 10.10 and 11 thunder at Nrd. and N. Wrd.
"	10	At 14.03, distant thunder at W. S. Wrd.; nearer at 14.29 and 14.35.
"	16	Between 14.40 and 15.38, frequent thunder at S. Wrd. and Wrd.
"	21	In evening, lightning at Wrd., W. S. Wrd., and S. Wrd.
"	22	In evening, faint lightning.
"	27–28	In evening, lightning at W. S. Wrd., and S. Wrd. In evening, night, and morning, distant thunder at intervals with lightning at Wrd.
"	28	At about 1.50, two loud peals of thunder at Wrd. to nearly overhead and at Srd. At 11.29 a rattling peal of thunder at S. Erd. In evening, sheet lightning at Wrd.
March	8	In evening, constant sheet lightning at Wrd.
"	9	In evening, constant sheet lightning at Wrd.
April	19	It is reported that *hail* fell at *Nouvelle Découverte* and also in Savanne, accompanied with thunder. From 7 to 11, thunder heard to S. Wrd., and Srd.
"	20	Between 16.25 and 17.45, thunder at S. Wrd., to nearly overhead and Srd. At 18.15, thunder and lightning at Wrd.
November	7	At 14.26, two peals of thunder at S. S. Wrd.
"	18	Between 19.45 and 20, lightning at Wrd.
"	19	At 19.15, faint lightning at S. Wrd.; in evening and night, broad and vivid lightning at Srd. and S. Erd. At 20, distant thunder at Srd. and S. Erd.; and at 21.30, nearer and louder.
December	3	Between 16.12 and 16.35, thunder at Srd.
"	24	Between 15.10 and 15.15, distant thunder at S. S. Wrd.
"	30	Between 16.15 and 18.40, distant thunder, at long intervals, at Wrd.; at 19.40 and 19.45 lightning at Wrd.
"	31	At about 4, several peals of distant thunder at Wrd.

METEOROLOGICAL OBSERVATIONS.

TABLE XXX.

Means and Extremes of the Principal Meteorological Elements in 1888 and for the Period 1875—88.

Elements.	1888.	1875-88.
Mean Atmospheric Pressure (reduced to Sea-level)	30.085 inches	30.082 inches.
Highest „	30.353 „ July 27 ...	30.468 „ June 20—77.
Lowest „	29.664 „ Jan. 5 ...	29.032 „ March 21—79.
Mean Temperature in Shade	73°. 2	73°. 7.
Highest „	85.4 Feb. 3	88.8 Jan. 6—78.
Lowest „	56.7 July 18	54.1 August 22—84.
Mean Temperature of Evaporation	68.4	68.4.
Highest „	79.7 Feb. 28	81.3 March 10—78.
Lowest „	54.6 Aug. 7	51.6 August 22—84.
Mean Dew Point	64.9	64.5.
Highest „	76.3 Feb. 7	76.9 February 20—76.
Lowest „	51.1 July 30	46.8 September 5—80.
Mean Vapour Tension.....	.624 inch.	.617 inch.
Highest „	.909 inch. Feb. 7 ...	.926 „ Feb. 20—76.
Lowest „	.376 „ July 30 ...	.320 „ Sept. 5—80.
Mean Relative Humidity	*76.2 (Saturation = 100) ...	73.7.
Highest „	97.0 Dec. 29	97.0 Dec. 29—88.
Lowest „	46.1 Nov. 11	38.4 Oct. 31—78.
Mean hourly Velocity of Wind	10.1 miles	11.4 miles (mean for 13 years.)
Greatest „	41.1 „ Jan. 5 ...	80.3 „ March 21—79.
Rainfall	52.81 inches	47.02 inches.
No. of days on which Rain fell	207.	200.
Greatest fall in 24 hours	4.50 ins. Jan. 6... ...	11.24 ins. May 7—84.
No. of days of thunder and Lightning...	33 days	32 days.
Mean amount of Ozone	4.7 (Scale 0—10)... ...	4.5 (Mean for 2 years.)
Greatest „	9, July 9 & 21, & Aug. 16...	10, September 3 — 87.
Least „	0. Jan. 10, Feb. 1-4 and March 1.	
Total duration of Sunshine during the year	2733.8 hours	2735.3 (Mean for 2 years.)
Period during which the Sun was above the horizon	4410.5 „	4404.2 („ .)
Mean proportion for the year	0.620 (Constant Sunshine = 1).	0.621 („ .)

TABLE XXXI.

Mean Monthly Maximum and Minimum Temperature at five Stations in the Interior of the Island in 1888.

Distr c s.	Pamplemousses.		Moka.		Plaines Wilhems.					
Approximate height above Sea-level.	Botanical Gardens. 225 feet. (W. Scott.)		Lynnwood, 1100 feet. (Hamilton Stein.)		Beau Séjour, 970 feet. James Currie.		Phœnix, near R/y Station, 1315 feet. (F. C. Estill.)		Nursery Gardens, Curepipe, 1840 feet. (John Horne.)	
Months.	Mean Max.	Mean Min.	Mean Max.	Mean Min.	Mean Max.	Mean Min.	Mean Max.	Mean Min.	Mean Max.	Mean Min.
January	* 79.4°	† 70.5°	79.9°	68.2°	80.4°	71.9°	81.4°	‡ 67.7°	76.8°	66.5°
February	83.0	71.7	79.4	68.2	80.6	72.2	82.6	68.5	78.5	65.3
March	81.9	71.2	76.8	66.8	79.3	70.9	78.2	66.6	74.7	65.4
April	80.8	68.4	74.7	64.5	78.4	69.3	76.3	64.4	72.9	64.0
May	79.2	66.6	73.3	61.8	77.7	67.2	76.1	62.8	73.2	62.5
June	76.6	62.7	69.8	58.0	75.0	64.5	72.2	58.9	69.9	58.0
July	75.6	61.0	68.1	55.7	73.2	62.2	70.7	56.3	68.0	55.6
August	76.9	61.2	69.0	57.4	73.3	63.4	71.2	57.0	67.8	57.6
September	78.8	61.8	70.4	57.8	73.4	63.4	72.8	56.6	68.5	56.8
October	82.2	63.6	73.5	59.7	76.0	65.5	76.6	58.4	73.2	58.7
November	84.9	68.0	76.9	64.4	77.7	68.9	79.9	61.7	75.1	63.1
December	84.0	70.2	78.8	67.9	79.5	71.4	79.7	65.0	76.7	66.1
Means...	80.3	66.4	74.2	62.5	77.0	67.6	76.5	62.0	72.9	61.6

* 14 days Observations.
† 15 „ „

‡ 10 days Observations.

TABLE XXXII.

Absolute Maximum and Minimum Temperatures at the same five Stations in 1888.

Districts.	Pamplemousses.		Moka.		Plaines Wilhems.					
	Botanical Gardens. (W. Scott.)		Lynnwood. (Hamilton Stein.)		Beau Séjour. (James Currie.)		Phœnix, near R/y Station. (F. C. Estill.)		Nursery Gardens, Curepipe. (John Horne.)	
Months.	Abs. Max.	Abs. Min.	Abs. Max.	Abs. Min.	Abs. Max.	Abs. Min.	Abs. Max.	Abs. Min.	Abs. Max.	Abs. Min.
January	84.2°	68.7°	83°	66°	84°	70°	87.0°	64.0°	81.5°	63.5°
February	85.1	67.7	82	64	84	68	85.0	67.0	83.5	60.0
March	85.1	64.7	79	60	82	65	83.0	60.5	80.0	60.0
April	84.0	64.7	77	60	80	66	80.0	61.7	76.0	59.5
May.....	81.4	62.7	75	58	80	64	78.4	59.9	78.5	58.5
June	79.6	56.7	73	50	79	59	75.6	52.4	75.0	50.5
July	77.4	55.4	70	50	78	58	75.9	50.6	72.0	45.5
August	79.6	56.4	71	53	77	60	76.9	54.0	72.5	53.0
September	82.6	58.7	75	55	77	61	79.0	53.4	74.0	52.0
October	87.5	59.7	79	56	80	62	83.2	55.5	80.0	51.5
November	89.4	64.7	80	57	80	64	85.2	56.1	79.5	56.5
December	87.7	64.0	83	62	82	66	84.2	62.1	82.0	62.0
Means...	83.6	62.0	77.2	57.6	80.2	63.6	81.1	58.1	77.9	56.0

METEOROLOGICAL OBSERVATIONS.

Table XXXIII.—Showing the amount of Rainfall and the number of days on which Rain fell at various Stations in Mauritius in 1888.

Months.	Rivière du Rempart.											
	St. Antoine. A. de Chazal.		Bel Mont. A. de Chazal.		Poudre d'Or. A. de Chazal.		Labourdonnais. H. Wiéhé.		Antoinette. G. Martin & Co.		Mon Songe. E. D'Unienville.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	8.13	14	9.48	12	9.10	13	9.56	13	11.71	18	11.02	17
February ...	7.75	15	8.63	15	7.44	13	14.87	15	12.11	11	14.72	16
March	15.40	21	16.86	19	16.84	15	15.22	14	17.40	15	17.51	21
April	3.45	15	3.39	11	3.24	13	2.70	11	2.43	10	5.00	20
May	2.47	9	2.95	9	2.50	8	4.38	15	3.30	...	4.75	17
June	3.10	9	3.48	9	2.40	9	3.15	11	1.70	...	3.33	17
July	1.28	10	1.14	6	1.98	6	2.24	13	0.65	...	2.86	17
August	3.01	17	3.43	15	4.80	13	4.79	15	2.48	...	5.83	16
September ...	1.10	7	0.57	6	1.79	9	1.45	9	0.36	...	1.95	12
October	1.17	5	0.50	2	1.12	6	1.41	7	0.33	...	0.91	10
November ...	0.71	5	0.71	3	0.86	5	0.86	7	2.24	...	3.13	12
December ...	15.45	15	17.32	17	17.65	16	15.40	17	19.73	...	23.10	22
Fall in 1888 ...	63.02	142	68.46	124	69.72	126	75.53	147	74.44	...	94.10	197
Fall in 1887 ...	43.18	120	...	...	48.22	130	59.03	146	63.55	158	74.14	189
Fall in 1886 ...	23.53	110	...	...	26.97	104	33.18	116	...	...	40.63	148
Fall in 1885 ...	44.91	128	...	...	53.19	127	57.44	156	...	...	70.60	160
Fall in 1884 ...	40.45	117	...	...	42.17	108	56.36	119	...	...	63.54	165
Fall in 1883 ...	59.63	130	...	...	58.47	128	70.08	147	...	...	84.78	205
Fall in 1882 ...	66.72	141	...	...	69.16	133	75.98	139	...	...	...	...
Fall in 1881 ...	44.50	145	...	...	42.76	93	55.62	155	...	...	...	...
Fall in 1880 ...	31.87	121	...	...	39.46	125	40.79	155	...	...	...	...
Fall in 1879 ...	42.99	125	...	...	...	...	62.80	159	...	...	...	...
Fall in 1878 ...	45.40	129	...	...	...	...	52.86	131	...	...	...	...
Fall in 1877 ...	84.12	170	...	..	...	...	103.34	163	...	...	...	...
Fall in 1876 ...	43.81	...	...	...	...	...	70.60	142	...	...	...	...
Fall in 1875 ...	45.37	...	...	...	...	...	76.00	138	...	...	...	...
Fall in 1874 ...	56.41	...	...	...	...	...	64.48	105	...	...	...	...
Fall in 1873 ...	...	...	...	...	...	...	70.04	120	...	...	...	...
Fall in 1872 ...	...	...	...	...	...	...	44.20	98	...	...	...	...
Fall in 1871 ...	...	...	...	...	...	...	50.52	102	...	...	...	...
Fall in 1870 ...	...	...	...	...	...	...	59.06	116	...	...	...	...
Fall in 1869 ...	...	...	...	...	...	...	63.73	108	...	...	...	...
Fall in 1868 ...	...	...	...	...	...	..	70.46	119	...	...	...	...
Fall in 1867 ...	...	...	...	...	...	...	56.99	125	...	...	...	...
Fall in 1866 ...	...	...	...	...	...	...	50.29	108	...	...	...	...
Fall in 1865 ...	...	...	...	...	...	...	87.63	149	...	...	...	...
Fall in 1864 ...	...	...	...	...	...	...	57.25	120	...	...	...	...
Fall in 1863 ...	...	...	...	...	...	...	70.72	129	...	...	...	...
Fall in 1862 ...	...	...	...	...	...	...	52.23	111	...	...	...	...
Means ...	49.06	131	...	...	50.01	119	62.49	130	68.99	...	71.30	177

METEOROLOGICAL OBSERVATIONS.

Table XXXIII.—Showing the Amount of Rainfall, &c.—(*Continued.*)

Months.	Pamplemousses.							
	St. André.	G. Couve.	Solitude.	G. Couve.	Mon Rocher.	E. de Chazal.	Observatory*.	C. Meldrum.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	7.17	10	6.78	12	.....	...	8.86	20
February	7.63	10	8.07	10	.....	...	8.76	15
March	10.15	14	8.77	15	.....	...	9.83	19
April	0.97	4	1.31	10	.....	...	1.84	16
May	0.78	5	1.36	7	.....	...	0.99	14
June	2.15	6	1.87	6	.....	...	1.64	16
July	1.19	6	0.81	6	.....	...	1.50	19
August	1.43	7	1.10	8	.....	...	2.87	20
September	0.82	3	0.48	4	.....	...	1.03	16
October	0.32	1	0.39	3	.....	...	1.60	14
November	0.58	3	0.51	4	.....	...	1.25	15
December	10.35	14	11.97	14	.....	...	12.64	23
Fall in 1888	43.54	83	43.42	99	.....	...	52.81	207
Fall in 1887	40.57	95	34.75	108	69.01	133	46.64	209
Fall in 1886	23.30	71	24.82	96	34.13	75	29.74	194
Fall in 1885	37.47	80	32.06	124	.....	...	44.61	200
Fall in 1884	39.37	76	.....	...	.....	...	45.80	174
Fall in 1883	42.36	96	.....	...	.....	...	47.69	180
Fall in 1882	48.18	115	.....	...	74.62	101	56.06	209
Fall in 1881	46.54	155	.....	...	55.33	100	45.32	219
Fall in 1880	27.53	146	.....	...	39.60	120	34.03	198
Fall in 1879	39.27	156	.....	...	61.00	128	49.16	205
Fall in 1878	38.04	136	.....	...	55.45	103	43.25	174
Fall in 1877	70.24	170	.....	...	99.51	158	71.36	225
Fall in 1876	36.44	182	.....	...	.....	...	41.87	198
Fall in 1875	46.43	160	.....	...	54.58	149	49.98	212
Fall in 1874	55.39	138	.....	...	65.12	123	64.82	216
Fall in 1873	56.87	143	.....	...	71.67	133	75.54	219
Fall in 1872	38.76	133	.....	...	.....	...	47.76	202
Fall in 1871	33.38	...	.....	...	.....	...	42.62	182
Fall in 1870	41.48	...	.....	...	.....	...	45.57	143
Fall in 1869	33.69	...	.....	...	.....	...	54.57	120
Fall in 1868	63.07	...	.....	...	.....	...	64.18	138
Fall in 1867	42.39	142	.....	...	.....	...	35.97	117
Fall in 1866	40.83	132	.....	...	.....	...	20.74	117
Fall in 1865	60.95	173	.....	...	.....	...	44.74	154
Fall in 1864	42.65	157	.....	...	.....	...	24.15	138
Fall in 1863	64.27	197	.....	...	.....	...	33.42	147
Fall in 1862	42.18	141	.....	...	.....	...	28.40	124
Means	44.27	134	33.76	107	61.82	120	45.96	179

*Previous to 1871, the Observatory was at Port Louis.

METEOROLOGICAL OBSERVATIONS.

Table XXXIII.—Showing the Amount of Rainfall, &c.—(*Continued.*)

Months.	Pamplemousses.—*Continued.*							
	Botanical Gardens. W. Scott.		Constance. E. D'Unienville.		La Grande Rosalie. C. Barlow.		Grafton Cottage, Richeterre. L. P. Adam.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	11.55	23	8.11	14	11.13	20	3.33	4
February	16.41	21	12.65	14	16.91	20	5.08	6
March	11.57	22	15.81	15	15.81	20	3.46	4
April	2.27	14	3.97	14	4.36	20	0.94	2
May	1.02	10	3.85	11	4.48	15	0.08	1
June	1.65	11	2.72	12	3.49	14	0.69	3
July	1.87	15	2.19	14	3.26	16	0.55	3
August	4.06	13	5.54	16	6.38	18	1.99	3
September	0.97	6	1.42	8	2.20	13	0.20	3
October	1.02	7	0.52	6	1.69	12	0.10	1
November	2.52	10	2.00	9	2.87	10	0.30	4
December	11.32	15	16.69	17	17.07	22	8.96	13
Fall in 1888	66.23	167	75.47	150	89.65	200	25.68	47
Fall in 1887	85.12	266	64.92	143	73.42	193	28.78	61
Fall in 1886	46.26	164	41.25	92	34.66	116	8.52	46
Fall in 1885	85.68	245	64.28	109	59.57	142	33.68	59
Fall in 1884	70.59	156	62.48	137	72.47	142	.....	...
Fall in 1883	69.90	179	81.03	143	72.75	140	.....	...
Fall in 1882	75.87	145	90.55	130	88.29	...	.....	...
Fall in 1881	62.35	144	69.67	153	64.54	165	.....	...
Fall in 1880	43.33	168	60.42	161	.....	...	.....	...
Fall in 1879	59.23	177	80.08	180	.....	...	.....	...
Fall in 1878	52.44	162	76.20	147	.....	...	.....	...
Fall in 1877	87.69	186	108.28	201	.....	...	.....	...
Fall in 1876	50.23	167	62.33	175	.....	...	.....	...
Fall in 1875	56.05	186	.....	...	.....	...	.....	...
Fall in 1874	73.77	180	.....	...	.....	...	.....	...
Fall in 1873	81.39	164	.....	...	.....	...	.....	...
Fall in 1872	53.99	169	.....	...	.....	...	.....	...
Fall in 1871	55.57	155	.....	...	.....	...	.....	...
Fall in 1870	66.89	159	.....	...	.....	...	.....	...
Fall in 1869	64.97	117	.....	...	.....	...	.....	...
Fall in 1868	91.21	102	.....	...	.....	...	.....	...
Fall in 1867	.....	...	.....	...	.....	...	.....	...
Fall in 1866	.....	...	.....	...	.....	...	.....	...
Fall in 1865	89.70	118	.....	...	.....	...	.....	...
Fall in 1864	51.56	111	.....	...	.....	...	.....	...
Fall in 1863	.....	...	.....	...	.....	...	.....	...
Fall in 1862	.....	...	.....	...	.....	...	.....	...
Means	66.96	165	72.07	147	69.42	157	24.16	53

METEOROLOGICAL OBSERVATIONS.

Table XXXIII.—Showing the Amount of Rainfall, &c.—(*Continued*).

Months.	Flacq.											
	Rigny.	Dr. Bouchet.	Union.	Ed. Carosin.	Unité.	L. de Mazérieux.	Sébastopol.	J. Rondeaux.	Sans-Souci.	F. Montocchio.	Etoile.	E. de la Hogue.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	9.48	24	9.57	...	12.78	...	16.66	26	22.71	22	11.23	22
February ...	18.85	19	11.57	...	13.26	...	20.73	16	22.15	16	22.26	15
March	16.04	26	20.59	...	24.63	...	29.46	22	31.81	24	28.79	21
April	5.53	21	9.05	...	8.06	...	11.55	25	15.70	23	13.48	22
May	2.93	12	2.67	...	4.94	...	4.73	17	4.39	11	4.96	13
June	3.64	19	4.88	...	8.03	...	8.90	24	12.85	20	7.91	20
July	2.52	20	2.84	...	3.52	...	5.05	23	6.96	15	4.60	18
August	5.79	22	5.18	...	7.15	...	10.58	23	13.94	18	7.23	22
September ...	1.95	20	0.19	...	2.77	...	4.08	19	6.74	17	5.37	23
October	0.99	12	0.00	...	1.42	...	1.93	11	2.51	11	2.92	15
November ...	4.50	18	2.31	...	5.80	...	5.58	16	6.95	16	3.92	14
December ...	24.60	25	18.49	...	21.12	...	24.28	19	...	...	15.97	19
Fall in 1888 ...	96.82	238	87.34	...	113.48	...	143.53	241	...	...	128.64	224
Fall in 1887 ...	74.66	236	66.73	...	72.96	...	118.47	251	129.19	202	89.06	...
Fall in 1886 ...	38.43	212	40.87	194	38.84	...	71.43	240	81.97	...	63.21	216
Fall in 1885 ...	70.60	195	75.00	177	62.16	...	92.91	207	117.17	...	90.92	171
Fall in 1884 ...	51.78	...	62.35	150	76.35	...	101.93	200	...	...	96.99	143
Fall in 1883 ...	85.63	...	...	...	83.28	...	99.68	187	120.95	...	98.00	146
Fall in 1882 ...	81.29	...	101.84	166	96.88	...	142.90	199	172.30	...	130.62	169
Fall in 1881 ...	127.19	227	70.60	188	...	...	...	...	121.84	263	132.96	198
Fall in 1880 ...	96.89	209	53.36	176	...	...	...	...	...	...	...	...
Fall in 1879 ...	85.90	183	57.52	164	...	...	...	...	...	...	...	...
Fall in 1878 ...	88.33	207	73.81	175	...	...	...	...	...	...	...	...
Fall in 1877 ...	116.70	280	102.41	291	...	...	...	...	...	...	...	...
Fall in 1876 ...	97.59	225	72.35	262	...	...	...	...	...	...	...	...
Fall in 1875 ...	99.44	268	...	...	...	...	...	...	...	...	...	...
Fall in 1874 ...	102.16	288	...	...	...	...	...	...	...	...	...	...
Fall in 1873 ...	100.22	297	...	...	...	...	...	...	...	...	...	...
Fall in 1872 ...	...	...	...	...	...	...	...	...	...	...	...	...
Fall in 1871 ...	...	...	...	...	...	...	...	...	...	...	...	...
Fall in 1870 ...	...	...	...	...	...	...	...	...	...	...	...	...
Fall in 1869 ...	...	...	...	...	...	...	...	...	...	...	...	...
Fall in 1868 ...	...	...	...	...	...	...	...	...	...	...	...	...
Fall in 1867 ...	...	...	...	...	...	...	...	...	...	...	...	...
Fall in 1866 ...	...	...	...	...	...	...	...	...	...	...	...	...
Fall in 1865 ...	...	...	...	...	...	...	...	...	...	...	...	...
Fall in 1864 ...	...	...	...	...	...	...	...	...	...	...	...	...
Fall in 1863 ...	...	...	...	...	...	...	...	...	...	...	...	...
Fall in 1862 ...	...	...	...	...	...	...	...	...	...	...	...	...
Means ...	88.35	236	72.01	194	77.71	...	110.12	218	123.90	232	103.80	181

METEOROLOGICAL OBSERVATIONS.

Table XXXIII.—Showing the Amount of Rainfall, &c.—(*Continued*).

Months.	Moka.															
	Riversdale. Hon. A. Mure.		Gentilly. H. Fianiss.		The Bower. C. F. Shand.		Lynnwood. H. Stein.		Bon Air. J. A. Ferguson.		Alma. E. Régnard.		Réduit. J. Horne.		Minissy. L. Hardy.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January ...	14.00	31	12.94	20	10.58	31	10.84	25	11.09	20	29.56	27	9.56	16	10.28	13
February ...	24.28	23	27.37	18	21.42	29	21.45	18	20.96	20	25.82	20	18.01	15	21.71	15
March ...	13.72	27	13.37	19	11.54	31	12.12	21	11.19	20	25.52	29	9.91	17	13.31	13
April... ...	4.47	28	4.88	17	4.17	30	4.20	24	3.90	19	13.29	27	3.46	16	4.17	15
May	2.06	30	1.78	13	...	...	1·08	27	0.93	19	2.71	16	0.46	15	1.37	9
June	2.80	26	3.35	19	...	...	3.48	25	2.57	19	9.20	29	1.93	14	3.23	13
July	3.10	25	2.80	21	...	...	3.09	28	2.82	26	6.10	26	1.89	16	2.46	11
August ...	3.85	28	3.47	26	...	...	3.93	28	2.85	25	9.42	30	0.87	12	3.56	13
September ...	2.34	26	2.38	20	...	...	2.32	22	2.08	16	4.14	26	1.30	14	1.42	4
October ...	1.82	17	1.61	16	...	...	1.68	15	1.29	13	2.83	24	1.05	12	1.16	5
November ...	2.86	16	2.58	16	...	...	2.90	19	3.27	16	8 22	18	4.38	13	2.84	11
December ...	14.46	23	13.17	23	...	...	13.52	23	11.47	20	25.24	26	10.84	16	11.37	13
Fall in 1888...	89.76	300	89.70	228	...	...	80.61	275	74.42	235	162.05	298	63.66	176	76.88	135
Fall in 1887...	69.88	327	...	...	63.74	346	67.04	256	56.76	227	134.05	244	50.98	178	63.92	133
Fall in 1886...	...	...	...	...	37.51	328	...	...	35.59	158	90.99	225	...	...	42.82	115
Fall in 1885...	...	...	...	...	57.30	323	60.18	231	49.77	145	111.48	247	...	...	65.45	134
Fall in 1884...	*...*	*...*	*...*	*...*	*58.10*	*300*	*66.13*	*216*	*60.07*	*195*	*118.35*	*233*	*...*	*...*	63.22	107
Fall in 1883...	...	..	95.81	150	...	...	79.42	245	...	...	131.14	247	...	...	79.72	134
Fall in 1882...	...	...	95.82	198	...	...	80.81	253	...	...	140.66	255	...	...	79.09	131
Fall in 1881...	...	...	80.30	207	...	...	61.86	250	...	...	113.17	266	...	...	...	...
Fall in 1880...	...	...	45.08	203	...	...	41.85	248	...	...	101.75	269	...	...	...	...
Fall in 1879...	...	...	78.03	214	...	...	71.15	244	...	...	138.18	260	...	...	...	...
Fall in 1878...	...	...	72.90	182	...	...	58.69	200	...	...	109.85	228	...	...	...	...
Fall in 1877...	...	...	119.31	224	...	...	94.06	217	...	...	175.24	272	...	...	...	...
Fall in 1876...	...	...	75.84	191	...	...	62.36	194	...	...	116.42	247	...	...	...	...
Fall in 1875...	...	...	76.05	183	...	...	...	...	...	...	...	...	...	...	...	...
Fall in 1874...	...	...	92.52	192	...	...	...	...	...	...	167.12	256	...	...	...	...
Fall in 1873...	...	...	...	...	...	...	...	...	...	...	134.46	245	...	...	...	...
Fall in 1872...	...	...	...	...	...	...	...	...	...	...	124.91	257	...	...	...	...
Fall in 1871...	...	...	63.28	194	...	...	44.72	158	..	...	...	...	...	...	...	...
Fall in 1870...	...	...	68.15	180	...	...	50.64	170	...	...	...	...	...	...	...	...
Fall in 1869...	...	...	75.38	154	...	...	61.39	168	...	...	...	...	...	...	...	...
Fall in 1868...	...	...	123.09	206	...	...	115.32	191	...	...	...	...	...	...	...	...
Fall in 1867...	...	...	73.67	181	...	...	60.82	170	...	...	...	...	...	...	...	...
Fall in 1866...	...	...	...	...	...	...	40.68	193	...	...	...	..	...	...	...	...
Fall in 1865...	...	...	...	...	...	...	79.44	217	...	...	...	...	...	...	...	...
Fall in 1864...	...	...	...	...	...	...	56.61	205	...	...	...	...	...	...	...	...
Fall in 1863...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fall in 1862...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means ...	79.82	313	82.81	192	54.16	324	66.69	215	55.32	192	129.36	253	57.32	177	67.30	127

METEOROLOGICAL OBSERVATIONS.

Table XXXIII.—Showing the Amount of Rainfall, &c.—*Continued.*

Months.	Plaines Wilhems.							
	The Castle, (Beau Bassin). Ed. C. Fraser.		Beau Séjour. H. Stein.		Bagatelle. Widow A. Blackburn.		Trianon. A. Régnard.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	7.22	10	10.99	16	13.00	25	11.56	21
February	15.09	11	22.47	16	19.22	18	17.55	17
March	.....	...	12.16	14	17.52	26	13.20	21
April	.....	...	3.78	14	5.52	29	3.60	20
May	.....	...	1.39	9	1.14	28	0.84	15
June	.....	...	3.89	16	3.33	30	2.58	20
July	.....	...	1.59	16	3.35	25	2.33	23
August	.....	...	3.19	18	4.20	29	3.03	23
September	.....	...	1.33	10	2.70	27	1.57	20
October	.....	...	1.20	7	1.84	26	1.24	16
November	.....	...	6.41	15	2.65	20	3.12	17
December	.....	...	11.21	18	6.03	26	11.07	21
Fall in 1888	.....	...	79.61	169	80.50	309	71.69	234
Fall in 1887	.....	...	51.91	189	.....	...	52.92	244
Fall in 1886	.....	...	31.06	159	.....	...	30.68	211
Fall in 1885	.....	...	55.64	176	.....	...	52.29	233
Fall in 1884	.....	...	60.69	153	.....	...	54.75	200
Fall in 1883	.....	...	77.84	180	.....	...	71.04	212
Fall in 1882	.....	...	71.60	184	.....	...	63.18	176
Fall in 1881	.....	...	60.44	195	.....	...	47.78	231
Fall in 1880	.....	...	43.43	204	.....	...	36.90	240
Fall in 1879	.....	...	62.89	190	.....	...	53.70	185
Fall in 1878	.....	...	63.65	171	.....	...	55.79	135
Fall in 1877	.....	...	92.91	235	.....	...	86.13	175
Fall in 1876	.....	...	58.29	207	.....	...	64.09	171
Fall in 1875	.....	...	60.92	191	.....	...	66.63	153
Fall in 1874	.....	...	110.36	201	.....	...	102.41	...
Fall in 1873	.....	...	82.89	199	.....	...	84.49	180
Fall in 1872	.....	...	62.68	184	.....	...	62.70	181
Fall in 1871	.....	...	45.97	179	.....	...	.....	...
Fall in 1870	.....	...	54.49	192	.....	...	.....	...
Fall in 1869	.....	...	67.58	179	.....	...	.....	...
Fall in 1868	.....	...	95.65	216	.....	...	.....	...
Fall in 1867	.....	...	64.58	187	.....	...	60.16	...
Fall in 1866	.....	...	44.55	181	.....	...	43.24	150
Fall in 1865	.....	...	87.11	209	.....	...	81.19	152
Fall in 1864	.....	...	54.60	189	.....	...	48.58	149
Fall in 1863	.....	...	99.76	193	.....	...	80.66	182
Fall in 1862	.....	...	69.17	147	.....	...	.....	...
Means... ...	.....	...	67.05	187	.....	...	62.32	190

METEOROLOGICAL OBSERVATIONS.

Table XXXIII.—Showing the Amount of Rainfall, &c.—*Continued.*

Months.	Plaines Wilhems.—*Continued.*									
	Phœnix. A. Leoferna.		Highlands. C. Dalais.		Phœnix. (near R. Station.) F. C. Estill.		Réunion. Geo. Robinson.		Curepipe Gardens. J. Horne.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	14.39	24	11.02	12	14.63	23	18.81	25	25.50	18
February	19.15	18	15.80	13	18.88	16	15.53	19	31.43	13
March	15.00	25	11.94	21	14.60	26	15.97	25	26.91	28
April...	4.90	22	3.43	14	4.70	21	6.96	20	13.15	27
May	0.93	21	0.74	8	0.88	20	0.97	15	2.28	10
June...	3.51	21	3.23	18	3.80	24	4.36	22	5.39	23
July	3.61	22	1.93	13	3.47	23	5.11	24	7.31	22
August	4.85	26	4.47	20	4.92	28	6.18	25	10.61	27
September	2.78	24	2.41	15	2.44	20	3.62	19	5.71	21
October	1.37	16	1.27	13	1.41	15	1.33	13	2.09	15
November	4.25	19	3.04	14	5.91	19	7.35	21	10.29	23
December	10.07	22	6.88	24	10.18	26	12.53	24	18.74	28
Fall in 1888... ...	84.81	260	66.16	185	85.82	261	98.72	252	159.41	255
Fall in 1887... ...	64.00	258	65.18	117	.....	...	70.68	...	.....	...
Fall in 1886... ...	42.44	220	35.36	114	.....	...	54.15	224	98.29	221
Fall in 1885... ...	71.14	210	60.14	...	.....	...	84.80	...	124.53	174
Fall in 1884... ...	62.17	186	.....	...	.....	...	70.73	208	116.41	202
Fall in 1883... ...	79 53	201	.....	...	.....	...	87.14	219	117.69	304
Fall in 1882... ...	79.39	220	.....	...	.....	...	98.05	235	.....	...
Fall in 1881... ...	58.90	223	.....	...	.....	...	70.28	250	.....	...
Fall in 1880... ...	50.31	...	.....	...	.....	...	61.44	250	.....	...
Fall in 1879... ...	63.37	...	69.82	177	.....	...	85.86	230	.....	...
Fall in 1878... ..	66.73	189	54.89	156	.....	...	78.82	...	.....	...
Fall in 1877... ...	.....	...	115.81	234	.....	...	.....	...	.....	...
Fall in 1876... ...	.....	...	73.35	208	.....	...	.....	...	.....	...
Fall in 1875... ...	.....	...	78.72	184	.....	...	.....	...	.....	...
Fall in 1874... ...	.....	...	122.20	182	.....	...	.....	...	.....	...
Fall in 1873... ...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1872... ...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1871... ...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1870... ...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1869... ..	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1868... ...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1867... ...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1866... ...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1865... ...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1864... ...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1863... ...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1862... ...	.....	...	.....	...	.....	...	.....	...	.....	...
Means	65.71	219	74.16	177	.....	...	78.24	233	123.27	231

METEOROLOGICAL OBSERVATIONS.

Table XXXIII.—Showing the Amount of Rainfall &c.,—*Continued.*

Months.	Plaines Wilhems—(*Continued*)									
	Henrietta.	C. F. Shand.	The Glen.	C. F. Shand.	La Marie.	C. F. Shand.	Tamarind' Falls.	C. F. Shand.	Mare-aux-Vacoas.	A. Vandermeersch.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	15.21	30	15.44	29	16.12	28	11.98	27	19.59	18
February	17.11	19	17.73	19	17.17	15	16.86	22	20.09	12
March	14.39	27	14.47	28	20 23	24	15.61	28	27.00	14
April	7.17	20	6.26	23	9.64	17	7.00	22	16.78	15
May	0.93	10	1.38	22	0.76	10	0.72	9	2.10	3
June	4.89	23	4.91	24	6.32	22	3.46	15	8.48	12
July	4.43	23	3.96	22	5.24	19	3.74	21	8.29	15
August	5.92	25	5.84	25	7.95	24	5.42	22	11.38	16
September	3.60	20	3.29	26	4.39	18	2.12	14	6.48	19
October	1.09	12	1.51	20	1.61	11	1.38	10	3.19	12
November	9.14	20	10.71	24	10.79	15	9.12	15	17.47	14
December	10.43	26	9.97	26	13.67	19	11.80	24	19.29	22
Fall in 1888	94.31	255	95.47	285	113.89	222	89.21	229	160.14	172
Fall in 1887	72.95	282	70.50	274	88.70	235	61.40	210	.....	...
Fall in 1886	63.07	251	52.59	222	72.03	185	74.20	168	.....	...
Fall in 1885	85.57	252	.....	...	.....	...	.....	...	.....	...
Fall in 1884	65.65	212	.....	...	84.96	177	.....	...	.....	...
Fall in 1883	85.03	260	.....	...	105.87	209	.....	...	.....	...
Fall in 1882	103.11	257	.....	...	122.80	227	.....	...	.....	...
Fall in 1881	68.12	238	.....	...	91.94	221	.....	...	.....	...
Fall in 1880	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1879	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1878	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1877	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1876	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1875	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1874	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1873	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1872	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1871	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1870	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1869	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1868	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1867	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1866	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1865	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1864	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1863	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1862	.....	...	.....	...	.....	...	.....	...	.....	...
Means	79.73	251	72.85	260	97.17	211	74.94	202	.....	...

METEOROLOGICAL OBSERVATIONS.

Table XXXIII.—Showing the Amount of Rainfall, &c.—(*Continued.*)

Months.	Black River.									
	Wolmar. Clarens. S.E. Company Ld. H. Kœnig.		Tamarin. Clarens. S.E. Company Ld. H. Kœnig.		Casela. Clarens. S.E. Company Ld. H. Kœnig.		Bambous. E. Nairac.		Chamarel. C. E. Duffield.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	6.67	5	5.50	4	9.67	4	9.46	14	10.67	11
February	18.62	11	16.45	7	27.61	14	14.92	19	17.25	10
March	4.99	7	4.30	7	4.75	7	4.73	24	11.75	11
April	1.20	2	0.30	1	1.03	3	1.69	13	8.44	14
May	2.10	2	1.65	3	0.76	2	0.57	13	4.49	12
June	1.45	2	1.80	3	4.63	5	3.26	17	5.93	10
July	0.25	1	0.30	2	0.00	0	0.56	15	2.84	10
August	1.40	3	1.55	4	1.35	2	1.79	16	5.34	16
September	0.00	0	0.00	0	0.00	0	0.46	12	3.31	10
October	0.25	1	0.47	3	0.99	2	1.03	8	1.13	5
November	5.25	5	10.45	8	9 92	9	6.75	14	8.48	17
December...	5.65	5	7.33	8	11.82	12	8.19	19	8.94	17
Fall in 1888	47.83	44	50.10	50	72.53	60	53.41	184	88.57	143
Fall in 1887	24.21	...	29.02	...	...	...	33.73	176	58.65	102
Fall in 1886	12.99	...	15.71	...	...	...	18.50	133	58.48	129
Fall in 1885	21.59	...	23.55	...	...	...	37.10	174	70.41	104
Fall in 1884	32.94	...	34.02	...	...	...	39.90	147	75.52	96
Fall in 1883	30.50	...	37.26	...	...	...	...	...	77.33	115
Fall in 1882	...	...	53.50	...	...	...	...	...	109.27	183
Fall in 1881	...	...	...	...	...	...	...	...	79.86	165
Fall in 1880	...	...	...	...	...	...	...	...	59.95	205
Fall in 1879	...	...	...	...	...	...	...	...	71.42	...
Fall in 1878	...	...	...	...	...	...	...	...	75.33	...
Fall in 1877	...	...	...	...	...	...	...	...	110.26	...
Fall in 1876	...	...	...	...	...	...	...	...	72.98	...
Fall in 1875	...	...	...	...	...	...	...	...	...	...
Fall in 1874	...	...	...	...	...	...	...	...	...	...
Fall in 1873	...	...	...	...	...	...	...	...	...	...
Fall in 1872	...	...	...	...	...	...	...	...	...	...
Fall in 1871	...	...	...	...	...	...	...	...	...	...
Fall in 1870	...	...	...	...	...	...	...	...	...	...
Fall in 1869	...	...	...	...	...	...	...	...	...	...
Fall in 1868	...	...	...	...	...	...	...	...	...	...
Fall in 1867	...	...	...	...	...	...	...	...	...	...
Fall in 1866	...	...	...	...	...	...	...	...	...	...
Fall in 1865	...	...	...	...	...	...	...	...	...	...
Fall in 1864	...	...	...	...	...	...	...	...	...	...
Fall in 1863	...	...	...	...	...	...	...	...	...	...
Fall in 1862	...	...	...	...	...	...	...	...	...	...
Means	28.34	...	34.74	...	...	...	36.53	163	77.54	138

METEOROLOGICAL OBSERVATIONS.

Table XXXIII.—Showing the Amount of Rainfall, &c.—*(Continued).*

Months.	Grand Port.											
	Anse Jonchée.	H. Portal.	St. Hubert.	H. Portal.	Cluny.	E. Piat.	Riche-en-Eau.	L. de Rochecouste.	Astrœa.	C. Castel.	Rose Belle.	Dr. Chauvin.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	17.16	22	21.29	27	27.24	21	14.76	26	13.37	11	21.89	20
February... ...	25.26	15	31.42	18	27.31	14	24.86	19	21.16	11	.....	...
March	22.44	20	31.37	28	34.27	26	21.04	24	20.85	17	.....	...
April	9.44	14	19.82	26	20.99	16	12.41	21	14.02	8	.....	...
May	6.60	14	3.62	19	3.44	11	4.21	20	5.18	9	.....	...
June	6.42	18	10.47	26	10.33	21	7.49	23	7.76	12	.....	...
July	2.52	13	5.12	23	6.23	14	3.42	23	3.76	7	.....	...
August	17.26	19	12.21	26	10.54	23	10.36	27	9.85	16	.....	...
September ...	2.58	11	4.21	19	4.91	14	1.90	18	2.78	11	.....	...
October	2.18	5	3.87	13	4.23	11	2.34	16	4.61	11	.....	...
November ...	4.68	10	10.09	20	14.72	11	5.61	16	10.15	16	.....	...
December ...	5.42	15	9.56	23	30.15	21	26.49	20	26.47	21	.....	...
Fall in 1888 ...	121.96	176	163.05	268	194.36	203	134.89	253	139.96	150	.....	...
Fall in 1887 ...	88.40	160	152.76	272	139.64	243	102.73	252	105.30	164	.....	...
Fall in 1886 ...	40.18	132	92.71	253	95.16	209	58.65	244	67.69	202	.....	...
Fall in 1885 ...	82.51	147	145.24	241	122.65	194	82.88	242	95.65	231	.....	...
Fall in 1884 ...	86.11	141	120.78	232	117.40	193	78.12	218	90.98	201	.....	...
Fall in 1883 ...	88.72	119	133.06	226	119.09	210	87.38	248	102.96	233	.....	...
Fall in 1882 ...	130.57	124	178.30	255	181.18	188	121.76	259	139.05	233	.....	...
Fall in 1881 ...	85.84	143	114.09	258	109.45	181	79.80	261	.....	...	.....	...
Fall in 1880 ...	72.92	139	98.86	218	107.44	185	67.06	247	.....	...	.....	...
Fall in 1879 ...	.....	...	.....	...	132.36	213	81.13	260	.....	...	.....	...
Fall in 1878 ...	.....	...	.....	...	133.10	181	86.60	221	.....	...	.....	...
Fall in 1877 ...	.....	...	.....	...	203.50	243	.....	...	.....	...	.....	...
Fall in 1876 ...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1875 ...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1874 ...	.....	...	.....	...	177.59	273	.....	...	.....	...	.....	...
Fall in 1873 ...	.....	...	.....	...	171.32	264	.....	...	.....	...	.....	...
Fall in 1872 ...	.....	...	.....	...	146.83	288	.....	...	.....	...	.....	...
Fall in 1871 ...	.....	...	.....	...	133.71	279	.....	...	.....	...	.....	...
Fall in 1870 ...	.....	...	.....	...	160.43	273	.....	...	.....	...	.....	...
Fall in 1869 ...	.....	...	.....	...	129.37	290	.....	...	.....	...	.....	...
Fall in 1868 ...	.....	...	.....	...	183.74	292	.....	...	.....	...	.....	...
Fall in 1867 ...	.....	...	.....	...	141.05	269	.....	...	.....	...	.....	...
Fall in 1866 ...	.....	...	.....	...	121.97	285	.....	...	.....	...	.....	...
Fall in 1865 ...	.....	...	.....	...	192.45	292	.....	...	.....	...	.....	...
Fall in 1864 ...	.....	...	.....	...	122.48	288	.....	...	.....	...	.....	...
Fall in 1863 ...	.....	...	.....	...	147.09	273	.....	...	.....	...	.....	...
Fall in 1862 ...	.....	...	.....	...	122.54	261	.....	...	.....	...	.....	...
Means ...	88.58	142	133.21	247	144.24	243	89.18	246	105.94	202	.....	...

METEOROLOGICAL OBSERVATIONS.

Table XXXIII.—Showing the Amount of Rainfall, &c.—*Continued.*

Months.	Grand Port.—*Continued.*									
	Deux Bras.	J. Gilmer.	Beau Vallon.	A. de Rocheconste & Co.	Joli Bois.	G. Perromat.	Gros Bois.	E. de Robillard.	La Baraque.	G. Guimbeau.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	14.03	27	14.94	19	21.82	18	15.66	18	21.49	7
February	23.30	21	19.38	18	25.05	14	17.74	14	13.68	12
March	15.48	25	13.10	25	23.07	18	20.32	21	16.26	16
April	12.48	25	8.18	17	22.14	18	15.24	18	13.03	12
May	3.69	21	2.89	13	4.82	18	3.07	11	3.01	10
June	7.49	26	3.85	23	8.06	24	5.11	14	3.26	8
July	3.51	21	1.87	20	6.38	20	4.37	15	1.24	6
August...	8.49	23	8.79	19	10.09	22	9.44	20	6.58	14
September	2.16	23	1.68	17	3.93	20	2.72	11	1.20	5
October	2.84	17	1.59	16	2.99	13	2.96	9	1.31	6
November	6.67	19	3.27	10	15.69	14	9.66	12	10.74	10
December	27.61	24	13.70	12	35.73	18	22.68	19	8.34	12
Fall in 1888...	127.75	272	93.24	209	179.77	217	128.97	182	100.14	118 147
Fall in 1887...	101.37	283	63.62	218	118.91	203	94.56	194	83.13	125
Fall in 1886...	58.18	250	31.49	212	60.79	148	54.40	167	38.58	...
Fall in 1885...	86.31	...	54.18	187	100.89	188	82.49	155	.....	...
Fall in 1884...	83.44	...	55.34	178	104.15	163	80.96	129	.....	...
Fall in 1883...	90.94	...	67.78	184	109.23	156	102.14	142	.....	...
Fall in 1882...	132.85	...	95.24	229	.....	...	126.40	148	.....	...
Fall in 1881...	86.34	205	50.83	201	106.91	179	101.68	200	.....	...
Fall in 1880...	72.72	227	41.10	200	100.43	...	82.59	245	.....	...
Fall in 1879...	83.43	216	61.25	225	127.41	...	91.98	239	.....	...
Fall in 1878...	.....	...	59.00	197	136.94	...	112.06	208	.....	...
Fall in 1877...	.....	...	77.39	235	178.11	201	110.60	257	.....	...
Fall in 1876...	.....	...	50.90	213	97.74	160	74.45	241	.....	...
Fall in 1875...	.....	...	67.64	226	122.31	173	110.78	227	.....	...
Fall in 1874...	.....	...	71.86	205	134.93	201	120.26	253	.....	...
Fall in 1873...	.....	...	65.27	197	119.91	225	98.09	229	.....	...
Fall in 1872...	.....	...	53.99	201	100.55	251	90.08	228	.....	...
Fall in 1871...	.....	...	58.38	208	105.01	270	99.25	214	.....	...
Fall in 1870...	.....	..	68.64	216	.....	...	102.40	229	.....	...
Fall in 1869...	.....	...	69.94	233	.....	...	94.77	212	.....	...
Fall in 1868...	.....	...	81.60	248	.....	...	137.29	253	.....	...
Fall in 1867...	.....	...	61.05	233	.....	...	83.69	216	.....	...
Fall in 1866...	.....	...	51.05	233	.....	...	70.24	256	.....	...
Fall in 1865...	.....	...	100.84	242	.....	...	135.21	259	.....	...
Fall in 1864...	.....	...	.....	...	.....	...	83.36	234	.....	...
Fall in 1863...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1862...	.....	...	.....	...	.....	...	.....	...	.....	...
Means	92.33	242	64.65	214	117.88	195	98.75	213	73.95	130

METEOROLOGICAL OBSERVATIONS.

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

Months.	Savanne.							
	Calédonia. J. F. Anderson.		St. Avold. F. Bour.		Colmar. A. Hirth & Co.		Riche Bois. L. Nayl.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	26.44	30	16.87	18	22.86	14	19.01	19
February	20.43	23	20.89	20	22.93	18	21.38	15
March	23.13	27	29.98	25	22.28	21	20.12	20
April	17.35	29	18.43	25	16.29	18	13.95	12
May	4.86	21	4.91	14	4.60	12	4.91	9
June	7.99	28	6.63	19	.....	...	6.97	17
July	6.18	24	5.97	19	3.10	10	4.23	13
August	8.56	28	9.56	20	9.60	18	9.76	15
September	6.55	27	4.13	21	3.25	17	3.95	14
October	6.01	23	3.25	12	2.25	9	3.24	9
November	22.80	25	17.74	17	15.15	16	7.37	17
December	17.27	22	12.43	18	22.80	21	14.18	19
Fall in 1888	167.57	307	150.79	228	.....	...	129.07	179
Fall in 1887	.....	...	113.15	233	93.73	170	115.02	174
Fall in 1886	79.88	132	.....	...	58.15	219	68.88	139
Fall in 1885	112.21	...	.....	...	91.79	245	94.31	103
Fall in 1884	129.85	...	.....	...	74.38	120	84.10	92
Fall in 1883	124.54	...	.....	...	83.87	130	99.85	210
Fall in 1882	187.35	...	.....	...	136.49	162	132.88	221
Fall in 1881	136.88	...	.....	...	89.48	145	92.94	...
Fall in 1880	106.15	...	.....	...	65.42	135	.....	...
Fall in 1879	134.37	...	.....	...	87.41	193	.....	...
Fall in 1878	180.09	...	.....	...	109.64	180	.....	...
Fall in 1877	.....	...	.....	...	130.58	236	.....	...
Fall in 1876	.....	...	.....	...	74.92	210	.....	...
Fall in 1875	.....	...	.....	...	109.90	201	.....	...
Fall in 1874	.....	...	.....	...	99.74	219	.....	...
Fall in 1873	.....	...	.....	...	96.15	202	.....	...
Fall in 1872	.....	...	.....	...	83.71	219	.....	...
Fall in 1871	.....	...	.....	...	89.39	241	.....	...
Fall in 1870	.....	...	.....	...	94.13	233	.....	...
Fall in 1869	.....	...	.....	...	88.91	214	.....	...
Fall in 1868	.....	...	.....	...	125.58	236	.....	...
Fall in 1867	.....	...	.....	...	.....	...	.....	...
Fall in 1866	.....	...	.....	...	.....	...	.....	...
Fall in 1865	.....	...	.....	...	.....	...	.....	...
Fall in 1864	.....	...	.....	...	.....	...	.....	...
Fall in 1863	.....	...	.....	...	.....	...	.....	...
Fall in 1862	.....	...	.....	...	.....	...	.....	...
Means... ...	135.89	219	131.97	230	94.17	195	102.13	160

METEOROLOGICAL OBSERVATIONS.

Table XXXIII.—Showing the Amount of Rainfall, &c.—*Continued.*

Months.	Savanne.—*Continued.*							
	Fontenelle. R. Hirth.		Bénarès. Sir V. Naz.		St. Aubin. E. Maingard.		L'Union—Bel Air. Th. Vigier Latour.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January...	.....	...	14.23	17	23·42	15	18.62	17
February	.....	...	20.27	17	17.21	18	16.56	20
March	.....	...	17.74	23	16.24	19	14.63	24
April	.....	...	.....	...	11.48	16	13.68	22
May	.....	...	.....	...	3.68	11	3.90	15
June	.....	...	.....	...	3.82	14	5.40	20
July	.....	...	3.14	19	2.13	11	1.82	12
August	.....	...	6.15	19	8.51	14	7.37	17
September	.....	...	2.66	14	5.37	18	3.05	16
October	.....	...	2.26	9	1.98	9	3.78	16
November	.....	...	9.27	13	18.63	17	15.25	20
December	.....	...	16.81	19	18.19	21	21.42	23
Fall in 1888	.....	...	.....	...	130.66	183	125.48	222
Fall in 1887	75.07	192	61.84	205	78.30	181	63.87	197
Fall in 1886	50.59	182	33.40	184	47.28	179	49.68	151
Fall in 1885	69.51	170	52.28	156	59.25	158	58.79	139
Fall in 1884	67.81	178	51.90	156	56.24	154	58.02	120
Fall in 1883	80.71	207	62.15	144	93.54	241	67.20	136
Fall in 1882	98.99	193	.....	...	104.17	222	109.86	146
Fall in 1881	72.69	213	.....	...	76.51	247	58.27	124
Fall in 1880	57.34	186	.....	...	64.53	226	49.51	113
Fall in 1879	79.43	193	.....	...	75.26	226	57.14	107
Fall in 1878	88.55	183	.....	...	92.58	195	76.00	124
Fall in 1877	109.32	206	.....	...	117.97	227	120.43	191
Fall in 1876	67.21	197	.....	..	67.92	196	71.35	112
Fall in 1875	85.84	190	.....	...	84.94	220	86.03	135
Fall in 1874	93.16	180	.....	...	88.68	215	94.31	110
Fall in 1873	86.03	163	.....	...	89.08	205	90.56	130
Fall in 1872	.....	...	.....	...	76.10	230	78.62	144
Fall in 1871	.....	...	.....	...	82.02	225	70.30	122
Fall in 1870	.....	...	.....	...	82.39	226	76.25	149
Fall in 1869	.....	...	.....	...	76.66	234	58.34	117
Fall in 1868	.....	...	.....	...	112.12	260	.....	...
Fall in 1867	.....	...	.....	...	81.66	229	.....	...
Fall in 1866	.....	...	.....	...	70.51	245	.....	...
Fall in 1865	.....	...	.....	...	115.60	251	.....	...
Fall in 1864	.....	...	.....	...	.....	...	.....	...
Fall in 1863	.....	...	.....	...	.....	...	.....	...
Fall in 1862	.....	...	.....	...	.....	...	.....	...
Means	78.82	189	52.31	169	84.33	216	76.00	139

TABLE XXXIV

Showing the Annual Rainfall at different Stations in 1888.

(These Returns have been furnished by Mr. A. Wemyss.)

Districts.	Stations.	Annual fall in inches.
Rivière du Rempart ...	Beau Séjour	104·37
"	Mon Songe	94·10
Flacq ...	St. Julien	144·20
"	Olivia ...	88·23
"	Clémencia	178·27
"	Belle Rive	206·62
"	Beau Champ	60.48
Moka ...	Bonne Veine	148·20
"	Melrose...	213·42
"	Bon Air...	74·77
Plaines Wilhems	Highlands	66·16
Black River	Clarens ...	~~47·77~~
"	Black River	47·83
"	Chamarel	47·13
Grand Port	Rivière Créole	59·27
"	Bananes	116·21
"	Midlands	168·19
"	Rose Belle	206·24
"	New Grove	190·06
"	La Rosa...	100·27
"	Cent Gaulettes	138·98
Savanne ...	Britannia	167·93
"	Combo ...	137·52
		166·19

METEOROLOGICAL OBSERVATIONS.

TABLE XXXV.

Approximate Altitudes of the Rainfall Stations above the sea-level.

Stations.	Feet.	Stations.	Feet.	Stations.	Feet.
RIVIÈRE DU REMPART.		MOKA.—*Continued.*		GRAND PORT.	
St. Antoine	90	The Bower...	1080	Anse Jonchée	70
Belmont	50	Bon Air	1050	St. Hubert	800
Poudre d'Or	60	Le Réduit	1000	Cluny	1000
Labourdonnais	290	Alma	1500	Riche-en-Eau	800
Antoinette	640	Minissy	1150	Astrœa	700
Mon Songe	620	Bonne Veine	1330	Rose Belle...	925
Beau Séjour	500	Melrose	?	Deux Bras	650
PAMPLEMOUSSES.		PLAINES WILHEMS.		Beau Vallon	60
St. André	175	The Castle...	760	Joli Bois	600
Solitude	90	Beau Séjour	970	Gros Bois	500
Mon Rocher	270	Bagatelle	1300	La Baraque	250
Observatory	179	Trianon	950	Cent Gaulettes	800
Botanical Gardens ...	225	Phœnix	1300	Rivière Créole	?
Constance	620	Highlands	1400	Bananes	?
La Rosalie	643	Phœnix (near Ry. Station..	1315	Midlands	?
Grafton Cottage	122	Réunion	1420	New Grove	?
FLACQ.		Curepipe (Gardens) ...	1840	La Rosa	?
Rigny	370	Henrietta	1549	SAVANNE.	
L'Union	260	The Glen	1580	St. Avold	840
Sébastopol	870	La Marie	1715	Colmar	400
Sans Souci...	860	Tamarind Falls	1629	Riche Bois	700
Etoile	790	Mare-aux-Vacoas	1850	Fontenelle...	360
St. Julien	1350	BLACK RIVER.		Bénarès	300
Olivia	?	Wolmar	50	St. Aubin	300
Clémencia	?	Tamarin	150	L'Union	90
Belle Rive	300	Casela	250	Britannia	?
Beau Champ	35	Bambous	180	Combo	?
MOKA.		Clarens	?		
Riversdale	1160	Black River	?		
Gentilly	1150	Chamarel	850		
Lynnwood	1100				

METEOROLOGICAL OBSERVATIONS.

TABLE

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

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Wind. Direction.	Max. Force.
Jan.							Beaufort.
2— 5	12°S.	21°S.	71°E.	49°E.	Peggie Doy, Elissa.	S.S.E. to E.S.E., E.N.E., Wrd. and Var.	9
6	40 „	...	35 „	...	Saint Margaret...	S.Wrd.	8
9—12	31 „	41 „	15 „	66 „	Fannie Skolfield, Philomène, Catherine Marie, &c... ...	N.W., W., S.W., E.N.E. ...	9
19	15 „	...	61 „	...	S. S. Akbar	E.S.E., S.E...	8
19	34 „	...	88 „	...	Fannie Skolfield	N.N.E., N.W.	9
20	42 „	...	105 „	...	Earlshall	N., W.S.W., W.	9
21	39 „	...	47 „	...	Ocean Swell	W.b.N., S.W.	9
23,26–27	46 „	45 „	78 „	107 „	S. S. Australasian	W., W.S.W., W.N.W. ...	9
Feb.							
4— 5	23°S.	...	52°E.	53°E.	Rosario	N.E., E., S.E., S.	11
10—11	15 „	17°S.	89 „	86 „	Hope	E.S.E., East	8
14—15	37 „	38 „	4 „	8 „	Norwester	N.W., W., W.S.W. ...	9
16	22 „	...	74 „	71 „	Thurso, Hope	S.E., E., N.E., N.W. ...	12
22	...	...	...	...	At Tamatave	S. W., W., N.W.	12
28—29	27 „	...	57 „	...	Alastor	N.E., N., N.W., W. ...	10
March.							
3	35°S.	36°S.	46°E.	56°E.	Catherine Marie, Norwester. ...	N.E., N., N.W., S.W.,S. ...	9
7— 8	24 „	23 „	8 1 „	80 „	Annie Brown	E., S.E., S., S.S.W. ...	9
8—11	28 „	29 „	48 „	41 „	Columbus	S., S.S.W., S.E.	9
15	17 „	...	62 „	...	S. S. Landaura	S.E. to E.S.E.	8
25—26	20 „	...	75 „	74 „	Orient	N.N.E., E., S.E., S.W. ...	12
27—28	36 „	...	59 „	63 „	Elizabeth	S.S.E., S.S.W.	8

METEOROLOGICAL OBSERVATIONS.

XXXVI.

Gales and Hurricanes in the Indian Ocean in 1888.

Barometer.		Remarks.	Mauritius.					
			Barometer reduced to sea-level.		Temperature of Air.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. Vel. in miles per hour.
Inches.	Inches.		Inches.	Inches.	Deg.	Deg.		Miles.
30.20	29.96	Violent squalls, heavy cross sea and heavy rain.	29.981	29.722	83.6	72.4	S.E.b.S. to E.b.N. ...	41.1
...	...	Heavy sea	29.921	...	79.0	73.7	E.N.E. to East ...	26.5
29.80	29.49	Heavy squalls with rain, heavy cross sea, foggy.	30.011	29.885	82.4	73.4	N.W., W., W.S.W., S.S.E., E.b.N., E.S.E. & N.E.b.E.	12.2
...	29.90	Tremendous sea	30.042	...	82.0	74.0	E.S.E., East	20.5
...	...	Heavy cross sea	30.042	...	82.0	74.0	E.S.E., East	20.5
30.10	29.50	Hard gale, cross sea	30.004	...	82.3	72.1	S.E.b.E. to East ...	19.1
...	...	Very heavy sea, vessel shipping much water.	29.965	...	81.6	74.2	S.E.b.E. to East ...	17.1
29.96	29.48	Very heavy sea, with hail squalls.	29.923	29.886	83.5	72.2	S.E.b.E., E.b.N. ...	18.1
30.20	29.30	Blowing a perfect hurricane, a heavy sea.	29.973	29.886	83.7	73.0	North, N.N.W., N.E.	18.4
...	...	Very heavy sea...	30.002	29.942	82.4	75.0	E.N.E., E., N.E.b.E.	10.7
30.10	29.80	Heavy cross sea	29.950	29.935	83.1	72.4	S.E.b.E., E.b.N. ...	17.4
30.00	28.40	Vivid lightning, terrific hurricane, mountainous sea.	29.943	...	83.9	71.7	East, S.E.b.E. ...	15.5
...	28.98	Hurricane. Vessels lost. ...	30.039	29.977	83.0	75.1	E.N.E.	14.0
...	...	Complete hurricane, with a heavy sea.	29.971	29.919	83.7	73.4	North, W.b.N., N.W...	11.9
30.20	29.90	Sudden shift to S. W., heavy cross sea, heavy gale	29.968	...	82.0	73.0	East, E.N.E., S.W, S. S.E.	8.1
29.85	29.57	Fierce squalls, incessant rain and heavy cross sea	29.876	29.863	82.0	73.2	S.E.b.E, E.b.N. ...	15.9
...	...	Stiff gale, very heavy cross sea..	29.890	29.840	82.4	73.4	S.E.b.E., E., E. N. E. and backed to S.E.b.E.	20.1
...	30.14	Heavy sea	30.135	...	79.0	68.1	E. S. E.	20.3
29.74	29.27	Hurricane	29.883	29.775	81.5	71.4	S.E.b.E., W.S.W., S. S.E.	20.2
30.20	29.89	Very heavy sea, blowing strong.	29.875	29-761	81.0	69.4	S.S.E., S.S.W., S.b.E., S.E.	19.3

METEOROLOGICAL OBSERVATIONS.

TABLE

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

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Wind. Direction.	Max. Force.
April.							Beaufort.
1— 2	41°S.	40°S.	20°E.	24°E.	Jessomene	W.N.W., N'ly., S.W. ...	8
5	37 „	...	118 „	...	Earlshall	Variable, S.W.	9
5— 6	40 „	41 „	21 „	38 „	Jessomene, Barranca	W.S.W., W., N.W., N., N.E.	9
7	38 „	...	116 „	...	Earlshall	N.W., W.N.W.	8
10—14	28 „	40 „	31 „	45 „	Western Bell, Peggie Doy ...	E.S.E., N.E., N.W' ...	10
12	40°S.	...	4°E.	...	Jane Fairlie	N., W., W.S.W.	9
12—15	10 „	19°S.	66 „	59°E.	S.S. Ackbar	S.S.E., E.S.E.	9
13—14	40 „	39 „	19 „	21 „	Elise	N.W., W.	9
13—14	24 „	...	80 „	...	Tynron	N., W., South	8
15—17	40 „	36 „	96 „	118 „	Elizabeth, Empreza	N.W. to S.W.	9
18—19	39 „	...	18 „	...	Jane Fairlie	S.S.E.	9
19	18 „	...	57 „	...	Cupido	S.E....	9
22—25	34 „	38 „	22 „	49 „	Peggie Doy, Elise.	W.S.W. to N.W., N.E., N., E. b. N.	9
25—26	37 „	...	15 „	...	Mercury	W.S.W., S.	9
29—30	2 N.	1 N.	79 „	78 „	Okenbury	S.W.	8
May.							
1— 2	37°S.	...	116°E.	117°E.	Hannah Nicholson	S.E., S.S.W., West ...	9
1— 6	36 „	38°S.	27 „	49 „	Columbus, Mercury, Jane Fairlie.	S., S.E., N.E, N.W., W., S.W.	9
6— 7	11 „	12 „	89 „	85 „	Gleneslin	N.E.	9
8—11	38 „	35 „	42 „	50 „	Columbus, Mercury.	S.E., S.W., W., N., N.W...	11
13—14	39 „	38 „	1 „	2 „	Hartfield...	E.S.E., S.S.E., S., S.W., W...	10

METEOROLOGICAL OBSERVATIONS.

XXXVI—(*Continued*).

Gales and Hurricanes in the Indian Ocean in 1888.

Barometer.		Remarks.	Mauritius.					
			Barometer reduced to sea level.		Temperature of Air.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. Vel. in miles per hour.
Inch.	Inch.		Inch.	Inch.	Deg.	Deg.		Miles.
...	...	Sudden shift with very heavy rain and very heavy cross sea.	30.075	30.070	79.7	70.0	E.S.E. to East ...	22.4
29.95	29.40	Hard gale, vivid lightning, fierce hail and squalls of rain ...	29.997	...	78.6	69.3	S.E.b.E.	20.4
30.00	29.45	Severe gale with heavy sea, and vivid lightning	29.997	29.981	78.6	67.2	S.E., S.S.E.	20.4
...	29.85	Frequent squalls, heavy sea ...	29.990	...	79.4	66.7	S.E.	14.1
...	30.14	Blowing a terific gale on the 14th., heavy cross sea ...	30.219	30.030	80.2	69.4	S.E.b.E.	24.8
...	...	Heavy gale and very heavy sea.	30.090	...	78.5	69.9	S.E. b. E.	23.9
30.09	29.87	Tremendous sea, heavy squalls.	30.219	30.090	78.5	68.3	S.E. b. E.	23.9
...	...	Fearful heavy cross sea. ...	30.219	30.179	77.3	69.4	S.E. b. E.	22.9
29.70	29.60	Heavy cross sea.	30.219	30.179	77.3	69.4	S.E. b. E.	22.9
30.37	29.58	Blowing a complete gale, heavy cross sea.	30.219	30.113	79.0	68.3	S.E. b. E.	22.9
...	...	Very heavy squalls	30.055	30.030	80.2	70.9	E.S.E.	20.4
...	30.256	Very heavy sea...	30.030	...	78.6	74.0	E.S.E.	17.7
29.80	29.70	Strong gale, heavy rain, lightning all round.	30.104	30.049	80.4	67.0	S.S.E. to East ...	18.7
...	...	Heavy gale	30.121	30.104	81.3	68.3	S.E. b. S. to East ...	13.4
...	...	Very wild sky, with much thunder and vivid lightning, very fierce squalls and rain.	30.130	30.087	80.3	67.0	S.E. b. S. to E.S.E. ...	16.1
30.05	29.85	Terrific squalls, rough sea ...	30.062	30.054	77.8	66.2	S.S.E., S.b.W., E.b.S.	13.9
30.15	29.70	Blowing very hard, with heavy cross sea, hail and rain.	30.112	30.054	78.5	66.2	S., S.E., East ...	17.8
30.00	29.85	Furious squalls, torrents of rain, loud thunder and much lightning.	30.068	30.000	79.6	69.5	S.E. b. E. to E.N.E....	15.1
29.98	29.20	Terrific squalls, gale increased to a hurricane.	30.058	30.022	80.2	66.5	E., N.E.b.E., S.E.b.E.	17.3
30.00	29.48	Terrific gale with violent squalls, constant heavy rain and very heavy sea.	30.038	30.026	78.0	63.2	S.S.E. to N.N.E. ...	16.3

METEOROLOGICAL OBSERVATIONS.

TABLE

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

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Wind. Direction.	Max. Force.
May. (Contd.)							Beaufort.
11—18	17° N.	7° N.	83° E	92° E	L.C.K., John Davie.	S.E., S., S.S.W., N., N.W., W.S.W.	9
22—29	35 S.	39 S.	27 „	52 „	Hartfield, Tynron.	S.W., W., N.W., N.E. ...	11
June.							
1— 2	30°S.	29°S.	110°E.	108°E.	Ousuri	W.S.W., S.	9
1— 7	34 „	41 „	4 „	41 „	Empreza, Peggie Doy, Fleetwood, Sierra Blanca.	N.N.W., W., S.W.... ...	10
5— 7	35 „	33 „	113 „	112 „	Elizabeth	N.W., W., W.S.W. ...	9
15—16	34 „	40 „	50 „	54 „	Peggie Doy, Fleetwood. ...	N.E. to N.W	9
16—17	10 N.	12 N.	90 „	91 „	Fannie Skolfield, Umzinto. ...	S.W., N.W.	8
23—24	31 S.	...	34 „	...	Cambria...	S.W.	9
28—30	35 „	36 S.	25 „	26 „	Cambria...	W., W.N.W.	10
July.							
2— 5	36° S.	39° S.	23° E.	32° E.	Cambria, Cæsarea.	N.N.W., W.N.W., W.S.W., backed to N.N.W.	9
8—11	13 „	17 „	80 „	70 „	Fannie Skolfield	E.S.E., S.E. b. E.	9
18	17 N.	...	81 „	...	Dundee	W.S.W., S.W.	9
24—28	39 S.	38 „	28 „	37 „	Charity	E.S.E., N.E., N., N.N.W.	8
29—30	0 N.	1 „	91 „	...	Dundee	W.N.W., W., S.W., backed to W.N.W.	9
August							
3— 4	34°S.	32°S.	53°E.	54°E.	Charity	N.N.E., N.W., S.W., S.S.E.	8
3— 4	11 N.	9 N.	90 „	91 „	Queen of England, Arabella ...	S.W., W., backed to W.S.W.	9

METEOROLOGICAL OBSERVATIONS.

XXXVI. (Continued)

Gales and Hurricanes in the Indian Ocean in 1888.

Barometer.		Remarks.	Mauritius.					
			Barometer reduced to sea-level.		Temperature of Air.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. Vel. in miles per hour.
Inches	Inches		Inches	Inches	Deg.	Deg.		Miles.
29.80	29.58	Violent squalls of hurricane force, sea breaking very heavily, much lightning.	30.086	30.026	79.4	63.2	S.E. b. S. to East ...	17.3
29.65	28.80	Heavy rain, thunder and vivid lightning, terrific squalls and tremendous sea.	30.140	30.070	79.4	64.6	E., S.E. b. E. ...	21.1
30.10	29.90	Fierce squalls	30.132	30.124	78.4	66.9	S.E. b. S. to E. b. S. ...	17.2
30.03	28.90	Furious hail squalls, fearful cross sea, vivid lightning and heavy thunder.	30.132	30.079	78.7	66.0	S.S.E., E., N.E. ...	17.2
29.74	29.48	Heavy squalls of rain, heavy sea.	30.108	30.102	78.7	68.4	N.E. b. E., S.E. to E. b. N.	11.8
30.21	29.85	Lightning to Wrd., blowing fearfully hard, tremendous sea.	30.185	30.170	75.6	59.3	S.E.	19.4
.....	.....	Very heavy cross sea, hard squalls.	30.194	30.170	73.4	59.3	S.E. to E. b. S. ...	15.0
.....	.....	Heavy sea, thunder and lightning.	30.200	30.153	76.0	60.0	S.E. b. E. to E. ...	22.2
.....	.....	Blowing a hurricane with tremendous high sea.	30.302	30.238	75.7	64.4	S.E b. E. to E. b. S. ...	22.4
29.90	29.59	Lightning, squalls of hurricane force, heavy sea and rain.	30.233	30.217	76.0	65.0	S.E. to E. b. S.	23.2
...	...	Heavy sea.	30.277	30.239	76.0	65.0	E.S.E. to East.	21.9
...	...	Heavy sea and rain.	30.148	...	74.6	56.7	N.E. b. E., Wd.	10.2
...	...	Heavy cross sea, thunder and lightning, heavy rain.	30.312	30.174	75.0	60.2	S. b. E., S.E. to E. b. S.	29.0
...	...	Fierce squalls, heavy sea and rain.	30.272	30.237	73.8	62.2	S.E. to E. b. S.	22.9
...	...	Heavy cross sea, sudden shift with heavy squalls, thunder, lightning and rain.	30.201	30.153	75.5	63.5	S E. to S.S.E. ...	18.2
...	...	Very heay cross sea	30.201	30.153	75.5	63.5	S.E. to S.S.E. ...	18.2

METEOROLOGICAL OBSERVATIONS.

TABLE

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

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Wind. Direction.	Max. Force.
August. (Contd.)							Beaufort.
7— 9	41° S.	43° S.	25° E	39° E	Eulie	W.S.W., S., N.E., N.N.W.	?
11—15	36 „	44 „	11 „	51 „	Penpont, Arabella, Eulie, Nyverheid.	N.E., N., N.W., W., S.W.	9
14	19 „	...	70 „	...	Star Queen	S.E....	9
25—30	33 „	35 „	116 „	112 „	Hannah Nicholson	N.W., W.S.W., S.... ...	9
27—29	40 „	38 „	21 „	40 „	Umzinto, Vellore	E., N.E, N., N.W., W., S.W.	11
30—31	15 „	17 „	2 „	4 „	S. S. Taymouth Castle... ...	S.S.E.	9
Sept.							
1	38°S.	...	40°E.	...	Umzinto	E., N.W., W.	
8—12	4 „	2°S.	77 „	81°E.	Glen Caladh	W.S.W., W. to S.S.W. ...	9
8—14	40 „	29 „	44 „	58 „	Vellore	All points	11
17—19	40 „	39 „	6 „	9 „	Cherwell	S.S.E., East	9
20—27	37 „	35 „	115 „	111 „	Earlshall	N., W.N.W., W.	9
25	15 N.	...	91 „	...	Valiant	S.W., W.N.W., W. ...	8
26—30	39 S.	27 „	26 „	57 „	Pride of Wales, Lady Agnès, Maria, S. S. Dunrobin Castle.	E.N.E., E.S.E., S., N., W.	9
Oct.							
1— 2	8°S.	7°S.	91°E.	92°E.	Valiant	W.S.W., N.W., shift to S.W.	9
2— 4	38 „	41 „	41 „	49 „	Maria, Cherwell	N.E., N., N.W., W.b.N.S.W.	9
3	Mahanooroo.				Litlle Annie	S.W*rd.*	9
3— 4	42°S.	38°S.	2°E.	10°E.	Queen of Nations, Golden Fleece.	N.E., N., N.W., shift to W.S.W.	9
8— 9	10 „	11 „	85 „	84 „	Sir Lancelot	S.E. to E.S.E.	9
8— 9	40 „	41 „	2 „	8 „	Sierra Cordova	N.N.E., N., N.W., W. ...	8

METEOROLOGICAL OBSERVATIONS.

XXXVI—(*Continued*).

Gales and Hurricanes in the Indian Ocean in 1888.

Barometer.		Remarks.	Mauritius.					
			Barometer reduced to sea level.		Temperature of Air.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. Vel. in miles per hour.
Inches	Inches		Inches	Inches	Deg.	Deg.		Miles.
30.10	29.70	Cross sea, thunder and lightning.	30.188	30.117	75.6	57.0	S.E. b. S. to E. b. S., E.N.E.	17.9
29.90	29.46	Heavy squalls with hailstones, mountainous sea, thick fog, thunder and lightning.	30.309	30.254	74.5	60.2	S.E. b. E. to E. b. S...	23.5
...	...	Rain squalls, heavy cross sea ...	30.288	...	73.8	65.0	S.E. b. E. to E. b. S...	23.5
30.29	29.95	Heavy sea, thunder, heavy squalls.	30.265	30.164	77.5	62.3	S.E. to E. b. S. ...	23.5
30.10	29.10	Blowing with hurricane force, heavy thunder, lightning and fearful sea. Hove to.	30.228	30.164	76.4	62.3	S.E. to E. b. S. ...	21.1
30,17	30.16	Heavy sea	30.269	30.265	77.5	66.2	S.E. b. E.	21.5
...	29.80	Heavy gale, very high sea ...	30.265	...	74.0	65.8	S. E. b. E.	24.6
29.90	29.88	Heavy squalls, sea and rain, lightning to S.E.	30.207	30.091	79.5	63.8	S.E., E., N.E., Wly...	17.5
30.30	29.88	Blowing with hurricane force, sea mountainous high, lightning to N. Erd.	30.207	30.080	79.5	60.4	S.E.,E.,N.E.,Wly, Sly.	20.7
30.00	29.92	Heavy sea and rain	30.248	30.201	76.7	63.5	S.E., E. b. N... ...	19.9
30.27	29.20	Strong gale, high cross sea, hove to, lightning and thunder, heavy rain.	30.216	30.138	78.8	60.4	S.E., E., E.N.E. ...	19.9
30.00	29.87	Heavy squalls and rain ...	30.186	...	76.4	62.4	S. E. b. E., E. b. N....	17.4
30.12	29.88	Gale blowing very sharp, heavy cross sea, thunder, lightning and constant rain.	30.184	30.094	79.4	60.4	East, N.E. b. E. ...	16.2
29.87	29.76	Very hard squalls with rain, thunder and lightning.	30.125	30.114	78.4	62.8	E.N.E., N.W. b. N. ...	12.8
30.19	29.88	Strong gale, heavy sea... ...	30.239	30.125	76.5	62.8	E.N.E., N.W., S.E. ...	23.6
...	...	Blowing a strong gale with a heavy sea.	30.152	...	75.0	64.0	S.E.	18.0
29.90	29.53	Heavy sea, thick rain	30.239	36.152	75.7	64.0	S.E. b. E.	23.6
30.12	30.10	Lightning all round, heavy gale, very heavy sea.	30.216	30.158	78.6	64.3	E.S.E., E. b. N. ...	20.6
29.80	29.70	Fresh gale with high sea, and thick rain.	30.216	30.158	78.6	64.3	E.S.E., E. b. N. ...	20.6

METEOROLOGICAL OBSERVATIONS.

TABLE

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

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Wind. Direction.	Max. Force.
Oct. (Contd.)							Beaufort.
9	41° S	...	21° E	...	Golden Fleece	N.N.E., North.	8
17—21	37 „	39° S	16 „	43° E	Sierra Morena, Caller Ou ...	E., N.E., W., N., N.W., W.	9
21	16 „	...	60 „	...	Sea Queen	S.E....	8
25—31	39 „	33 „	37 „	55 „	Loreng Hansen, Sierra Morena, Catherine Marie, Caller Ou.	N.E., N., N.W., W., S.W....	9
Nov.							
1	37° S.	...	4° E.	...	Gazelle	N.W., S.W.	8
2— 9	43 „	38° S.	8 „	40° E.	Wheat Land, Gazelle	All points.	9
10—12	37 „	...	1 „	3 „	Regent Murray...	N.N.E., shift to S.W., S., S.S.E., S.S.W.	9
15—19	40 „	30 „	22 „	31 „	Gazelle, Regent Murray ...	E. b. S., shift to W.N.W., S.W., S.	10
23—24	40 „	...	6 „	10 „	Kishon	N.W.. W.N.W.	9
29—30	40 „	39 „	32 „	36 „	Lady Douglas	W.N.W., W., S.W.	9
Dec.							
8—11	34° S.	38° S.	46°E.	59°E.	Lady Douglas, St. Joseph, Salado.	E.N.E., N., N.W. W., S.W.	11
9—14	40 „	37 „	27 „	40 „	Peabody	All points	10
13	27 „	...	14 „	...	S. S. Abingtone	South	8
18—22	21 „	26 „	66 „	70 „	Claymore, Mohur	All points	12
28—29	37 „	...	25 „	30 „	Earnest	N.W., W., S.W.	9
30—31	36 „	37 „	117 „	118 „	The Mac Bain	W., S.W.	9

METEOROLOGICAL OBSERVATIONS.

XXXVI—*Continued.*

Gales and Hurricanes in the Indian Ocean in 1888.

Barometer.		Remarks.	Mauritius.					
			Barometer reduced to sea-level.		Temperature of Air.		Wind.	
Highest.	Lowest.		Highest.	Lowest.	Highest.	Lowest.	Direction.	Max. Vel. in miles per hour.
Inches.	Inches.		Inches.	Inches.	Deg.	Deg.		Miles.
30.10	29.59	Heavy squalls, rain, cross sea...	30.158	...	78.6	66.1	East	18.4
30.38	29.76	Squalls of hurricane force, loud thunder, brilliant lightning, heavy cross sea and foggy.	30.072	29.990	78.6	62.0	S.S.E., E.S.E. ...	17.2
29.81	29.06	Fresh gale, heavy swell and rain.	30.072	...	78.6	68.1	S.S.E., E.S.E. ...	17.2
30.28	29.69	Strong gale, high confused sea, heavy rain, foggy.	30.071	29.981	82.7	62.2	*Wly.*, S.E. b. S., N.E., *Nly.*	13.6
...	...	Blowing strong with rain and heavy sea.	30.017	...	83.0	69.0	N.N.E., East... ...	13.8
30.25	29·90	Strong gale, hard squalls, heavy cross sea.	30.038	29.998	84.0	67.1	N.E. b. E.	16.5
...	29.80	Strong gale, high confused sea.	30.098	29.997	82.4	68.2	N.Wrd., Wrd., S.S.E., S.E.	28.2
30.05	28.95	Very heavy gale, with terrific squalls, hove to. Thunder and lightning.	30.036	30.008	83.0	67.0	E.N.E., East	18.6
30.10	29.90	Heavy cross sea and rain.	30.151	30.130	84.6	71.1	E.S.E., East	19.0
...	...	Strong gale with high confused sea.	30.065	30.028	83.7	71.0	E.N.E., East... ...	15.1
30.00	29.73	Blowing a hurricane, terrific sea, continued heavy rain.	30.079	30.040	84.4	73.2	E.S.E., E.N.E. ...	19.8
...	...	Tempête d'O.S.O. à O.N.O., rafales très violentes, mer démontée, pluie torrentielle.	30.105	30.040	84.4	72.0	E.S.E., E.N.E. ...	18.4
...	...	Fresh gale with heavy head sea.	30.063	...	82.6	72.1	E.S.E., East	18.0
30.13	28.90	Blowing a violent hurricane, with high confused sea, lightning at N.Wrd.	30.019	29.948	85.0	66.0	S.E., S., Wly. ...	14.9
30.40	30.38	Blowing a strong gale with a heavy sea.	30.026	29.965	75.6	69.6	E. b. S., N.E. ...	19.4
30.25	30.20	Heavy gale with mountainous cross sea.	29.943	29.928	82.0	73.0	E. b. N., N. b. E. ...	16.1

METEOROLOGICAL OBSERVATIONS.

Storm—Warnings and Cyclones.

Storm-Warnings were issued during threatening weather on January 5, February 5 and 6, and December 27 to 29.

The island was not visited by a hurricane in the course of the year, the greatest velocity of the wind for one hour having been 41.1 miles on January 5.

Several small cyclones, however, occurred in the Indian Ocean, and their dates and localities were as follows :

(1) January 2 to 7. From 12° to 22° S. and 71° to 49° E. A cyclone of small diameter and intensity.

(2) February 4 and 5. In 23° S. and 52° E. Encountered by one vessel.

(3) February 16. In 22° S. and 73° E. Encountered by two vessels.

(4) February 22. At Tamatave. Apparently local. Several vessels lost.

(5) February 27. In 27° S. and 57° E. Encountered by one vessel. A heavy gale.

(6) March 25 and 26. In 20° S. and 74° E. Encountered by one vessel.

(7) December 18 to 22. In 20° to 26° S. and 66° to 70° E. Encountered by two vessels.

C. MELDRUM.

Director.