MAURITIUS

METEOROLOGICAL RESULTS

FOR

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National Oceanic and Atmospheric Administration

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Results of Meteorological Observations taken during the year 1885, *at the Royal Alfred Observatory, Mauritius, Latitude* 20° 5′ 39″ *S. Longitude* 3*hrs.* 50*m.* 12*s.* 6 *E.*

The Observatory is about 3 miles from the west coast and stands on a plain which is 179 English 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 (English) 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 2,874 feet above the sea. The nearest extremities of two spurs, which run N. and N.N.W., from the Pieterboth, are at a distance 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 a southern exposure, 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 the rainguage (Glaisher's) is 8 inches in diameter, and 10 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 thermometers exposed in screens, of solar and terrestrial thermometers, and of a thermometer the bulb of which is 5 feet below the surface of the ground.

RESULTS OF OBSERVATIONS.

Table I has been derived from hourly values of the ordinates of the Barograph curves, these values having been obtained by measurement and then converted into absolute values. Tables showing 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. The other tables require no explanation.

TABLE I

HOURLY AND MONTHLY MEANS OF THE ATMOSPHERIC PRESSURE DURING THE YEAR 1885.

Hours.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Hourly means.	Variation + above − below mean.	Hours.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
1	29.761	29.690	29.796	29.802	29.864	30.016	30.033	30.014	30.009	29.958	29.905	29.768	29.885	+ .006	1
2	29.747	29.674	29.782	29.790	29.854	30.003	30.022	30.003	29.996	29.943	29.892	29.755	29.872	− .007	2
3	29.742	29.667	29.771	29.781	29.844	29.995	30.013	29.994	29.988	29.934	29.885	29.747	29.863	− .016	3
4	29.741	29.665	29.765	29.776	29.838	29.989	30.007	29.989	29.983	29.933	29.884	29.746	29.860	− .019	4
5	29.750	29.670	29.771	29.779	29.842	29.988	30.004	29.990	29.988	29.940	29.890	29.754	29.864	− .015	5
6	29.766	29.683	29.782	29.789	29.851	29.997	30.011	29.999	30.001	29.954	29.905	29.771	29.876	− .003	6
7	29.774	29.695	29.794	29.804	29.869	30.010	30.024	30.013	30.014	29.965	29.914	29.784	29.889	+ .010	7
8	29.783	29.708	29.813	29.820	29.887	30.027	30.041	30.029	30.031	29.981	29.924	29.790	29.903	+ .024	8
9	29.785	29.711	29.820	29.827	29.897	30.039	30.052	30.037	30.037	29.986	29.927	29.792	29.909	+ .030	9
10	29.783	29.709	29.817	29.824	29.896	30.036	30.051	30.038	30.034	29.980	29.921	29.788	29.906	+ .027	10
11	29.776	29.703	29.809	29.811	29.881	30.026	30.039	30.023	30.020	29.969	29.910	29.780	29.896	+ .017	11
12	29.763	29.689	29.790	29.791	29.860	30.008	30.020	30.003	29.997	29.951	29.895	29.768	29.878	− .001	12
13	29.753	29.674	29.774	29.774	29.839	29.987	29.999	29.981	29.980	29.933	29.881	29.758	29.861	− .018	13
14	29.740	29.660	29.762	29.761	29.826	29.975	29.986	29.967	29.966	29.917	29.866	29.745	29.848	− .031	14
15	29.729	29.655	29.755	29.756	29.823	29.974	29.982	29.961	29.958	29.911	29.859	29.734	29.841	− .038	15
16	29.723	29.652	29.755	29.759	29.826	29.977	29.985	29.964	29.960	29.911	29.857	29.731	29.842	− .037	16
17	29.728	29.658	29.762	29.767	29.836	29.985	29.992	29.974	29.969	29.921	29.865	29.741	29.850	− .029	17
18	29.741	29.668	29.775	29.779	29.847	29.995	30.004	29.986	29.981	29.937	29.882	29.755	29.862	− .017	18
19	29.757	29.683	29.791	29.794	29.863	30.007	30.016	30.000	29.999	29.955	29.901	29.774	29.878	− .001	19
20	29.772	29.700	29.805	29.811	29.878	30.021	30.031	30.017	30.017	29.973	29.919	29.788	29.894	+ .015	20
21	29.784	29.712	29.820	29.821	29.883	30.031	30.040	30.026	30.029	29.985	29.929	29.797	29.905	+ .026	21
22	29.792	29.717	29.823	29.822	29.883	30.034	30.043	30.028	30.030	29.988	29.935	29.803	29.908	+ .029	22
23	29.788	29.714	29.818	29.819	29.881	30.033	30.042	30.027	30.026	29.983	29.930	29.797	29.905	+ .026	23
24	29.773	29.703	29.808	29.811	29.874	30.026	30.037	30.023	30.018	29.972	29.917	29.780	29.895	+ .016	24
Monthly Means ...	29.760	29.686	29.790	29.794	29.860	30.007	30.020	30.004	30.001	29.953	29.900	29.769	29.879		Monthly Means.
Monthly Means reduced to sea-level...	29.949	29.873	29.979	29.983	30.050	30.199	30.212	30.196	30.193	30.145	30.091	29.958	30.069		Monthly Means reduced to sea-level.

TABLE II

DAILY AND MONTHLY MEANS OF THE ATMOSPHERIC PRESSURE DURING 1885.

Days of Months.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means.	Days of Months.
	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	ins.	
1st	29.786	29.679	29.743	29.786	29.822	29.878	30.020	29.990	30.069	29.982	30.025	29.891	29.889	1st
2nd	29.794	29.607	29.754	29.810	29.806	29.880	30.054	29.998	30.081	30.003	29.985	29.885	29.888	2nd
3rd	29.801	29.662	29.718	29.827	29.781	29.903	30.094	29.951	30.069	30.028	29.928	29.911	29.889	3rd
4th	29.793	29.734	29.634	29.824	29.750	29.895	30.071	29.846	30.031	29.973	29.925	29.882	29.863	4th
5th	29.801	29.740	29.615	29.797	29.752	29.893	30.031	29.844	29.985	29.875	29.934	29.865	29.844	5th
6th	29.838	29.774	29.641	29.758	29.745	29.905	30.012	29.917	29.969	29.853	29.919	29.862	29.849	6th
7th	29.859	29.788	29.713	29.718	29.742	29.938	29.983	29.986	29.986	29.956	29.914	29.845	29.869	7th
8th	29.871	29.754	29.741	29.754	29.833	29.945	29.944	30.020	30.017	30.013	29.879	29.831	29.883	8th
9th	29.854	29.689	29.729	29.805	29.908	29.963	29.955	30.025	29.975	30.024	29.868	29.812	29.884	9th
10th	29.849	29.670	29.695	29.804	29.944	30.012	30.019	29.991	29.926	30.019	29.900	29.752	29.882	10th
11th	29.800	29.665	29.748	29.798	29.943	30.009	30.009	29.958	29.940	30.025	29.921	29.646	29.872	11th
12th	29.775	29.632	29.835	29.817	29.941	29.975	29.972	29.906	29.965	30.012	29.934	29.542	29.859	12th
13th	29.776	29.574	29.868	29.853	29.905	29.980	29.948	29.932	29.941	29.976	29.904	29.636	29.858	13th
14th	29.772	29.556	29.892	29.849	29 877	30.017	29.967	29.990	29.944	29.959	29.885	29.694	29.867	14th
15th	29.768	29.609	29.939	29.785	29.857	30.022	30.018	30.015	29.994	29.989	29.864	29.745	29.884	15th
16th	29.758	29.620	29.930	29.783	29.793	30.017	30.027	29.998	30.014	29.972	29.850	29.761	29.877	16th
17th	29.712	29.651	29.885	29.825	29.745	30.065	29.987	29.957	30.029	29.952	29.850	29.737	29.866	17th
18th	29.650	29.694	29.871	29.856	29.788	30.119	29.981	29.954	30.030	29.941	29.846	29.710	29.870	18th
19th	29.659	29.722	29.858	29.802	29.884	30.116	30.005	30.029	29.993	29.910	29.858	29.703	29.878	19th
20th	29.753	29.699	29.857	29.785	29.918	30.088	30.078	30.095	29.947	29.909	29.866	29.693	29.891	20th
21st	29.708	29.635	29.831	29.789	29,951	30.048	30.113	30.141	29.962	29.947	29.885	29.681	29.891	21st
22nd	29.639	29.616	29.806	29.750	29.967	30.054	30.071	30.165	30.036	29.955	29.878	29.667	29.883	22nd
23rd	29.672	29.669	29.798	29.711	29.975	30.079	30.006	30.162	30.063	29.958	29.854	29.663	29.884	23rd
24th	29.687	29.717	29.783	29.789	29.946	30.047	29.996	30.114	30.034	29.911	29.867	29.713	29.884	24th
25th	29.688	29.736	29.770	29.839	29.887	30.035	30.038	30.038	30.049	29.880	29.887	29.770	29.885	25th
26th	29.756	29.778	29.803	29.769	29.831	30.023	30.053	30.016	30.069	29.835	29.905	29.848	29.890	26th
27th	29.804	29.781	29.829	29.728	29.834	30.054	30.048	30.014	30.005	29.780	29.900	29.870	29.887	27th
28th	29.777	29.754	29.810	29.785	29.873	30.085	30.064	29.995	29.950	29.842	29.910	29.840	29.890	28th
29th	29.722	.....	29.792	29.819	29.897	30.109	30.040	29.989	29.977	30.004	29.923	29.820	29.917	29th
30th	29.726	.....	29.806	29.816	29.885	30.071	30.013	30.019	29.986	30.050	29.925	29.774	29.916	30th
31st	29.723	.....	29.790	.....	29.882	.....	29.997	30.054	.....	30.024	.....	29.776	29.889	31st
Means	29.760	29.686	29.790	29.794	29.860	30.007	30.020	30.004	30.001	29.953	29.900	29.769	29.879	Means.

TABLE III

MONTHLY AND DAILY RANGE OF THE ATMOSPHERIC PRESSURE DURING 1885.

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).....	30.101	30.009	30.179	30.094	30.194	30.348	30.366	30.397	30.313	30.292	30.254	30.146	30.224
Lowest " " "	29.775	29.696	29.765	29.839	29.887	30.028	30.077	29,976	30.077	29.911	29.988	29.663	29.890
Range in Month	0.326	0.313	0.414	0.255	0.307	0.320	0.289	0.421	0.236	0.381	0.266	0.483	0.334
Mean Range from 4 to 9 hours	0.044	0.046	0.055	0.051	0.059	0.050	0.045	0.048	0.054	0.053	0.043	0.046	0.049
" " 9 to 15 "	0.056	0.056	0.065	0.071	0.074	0.065	0.070	0.066	0.079	0.075	0.068	0.058	0.067
" " 15 to 22 "	0.063	0.062	0.068	0.066	0.060	0.060	0.061	0.067	0.072	0.077	0.076	0.069	0.067
" " 22 to 4 "	0.051	0.052	0.058	0.046	0.045	0.045	0.036	0.038	0.047	0.055	0.051	0.057	0.048
Mean Diurnal Range	0.053	0.054	0.061	0.058	0.059	0.055	0.053	0.055	0.063	0.065	0.059	0.057	0.058

TABLE IV

COMPARISON OF THE MEANS OF THE STANDARD BAROMETER READINGS WITH THE MEANS OF THE BAROGRAPH READINGS FOR 9 & 15 HOURS DURING THE YEAR 1885.

Months.	Barometer Readings corrected for Capillarity and reduced to 32° Fah.			Barograph Readings.		
	9.	15.	Means.	9.	15.	Means.
	ins.	ins.	ins.	ins.	ins.	ins.
January	29.785	29.730	29.757	29.785	29.729	29.757
February	29.709	29.655	29.682	29.711	29.655	29.683
March	29.818	29.756	29.787	29.820	29.755	29.787
April	29.826	29.756	29.791	29.827	29.756	29.791
May	29.894	29.823	29.858	29.897	29.823	29.860
June	30.039	29.976	30.007	30.039	29.974	30.006
July	30.052	29.984	30.018	30.052	29.982	30.017
August	30.036	29.961	29.998	30.037	29.961	29.999
September	30.036	29.958	29.997	30.037	29.958	29.997
October	29.986	29.914	29.950	29.986	29.911	29.948
November	29.927	29.861	29.894	29.927	29.859	29.893
December	29.792	29.734	29.763	29.792	29.734	29.763
Means	29.908	29.842	29.875	29.909	29.841	29.875

TABLE V

MEAN MONTHLY AND ANNUAL VARIATION OF THE ATMOSPHERIC PRESSURE, DEDUCED FROM ELEVEN YEARS' OBSERVATIONS MADE IN 1875—85.

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	.000	+ .007	1
2	− .010	− .010	− .008	− .006	− .006	− .004	− .001	− .002	− .003	− .007	− .009	− .013	− .007	2
3	− .017	− .018	− .018	− .015	− .015	− .012	− .009	− .010	− .012	− .014	− .014	− .018	− .014	3
4	− .019	− .020	− .022	− .020	− .019	− .017	− .014	− .016	− .016	− .015	− .013	− .019	− .017	4
5	− .009	− .015	− .017	− .016	− .017	− .016	− .014	− .013	− .010	− .007	− .007	− .010	− .013	5
6	+ .005	− .005	− 006	− .005	− .006	− .007	− .006	− .002	+ .003	+ .006	+ .008	+ .005	− .001	6
7	+ .016	+ .009	+ .007	+ .009	+ .010	+ .006	+ .007	+ .011	+ .017	+ .018	+ .018	+ .017	+ .012	7
8	+ .020	+ .018	+ .021	+ .022	+ .024	+ .023	+ .023	+ .025	+ .029	+ .028	+ .024	+ .022	+ .023	8
9	+ .022	+ .023	+ .029	+ .031	+ .035	+ .034	+ .036	+ .036	+ .035	+ .031	+ .026	+ .022	+ .030	9
10	+ .018	+ .021	+ .026	+ .029	+ .032	+ .030	+ .032	+ .033	+ .028	+ .023	+ .017	+ .018	+ .026	10
11	+ .011	+ .014	+ .019	+ .017	+ .017	+ .018	+ .020	+ .020	+ .014	+ .010	+ .008	+ .011	+ .015	11
12	− .001	+ .001	+ .001	− .004	− .003	− .001	− .001	− .003	− .008	− .007	− .006	− .002	− .003	12
13	− .011	− .013	− .016	− .021	− .023	− .023	− .021	− .021	− .025	− .024	− .021	− .013	− .019	13
14	− .025	− .026	− .029	− .035	− .036	− .035	− .036	− .037	− .041	− .039	− .035	− .026	− .033	14
15	− .035	− .034	− .037	− .039	− .038	− .036	− .039	− .042	− .046	− .045	− .042	− .036	− .039	15
16	− .040	− .036	− .036	− .036	− .034	− .033	− .035	− .038	− .043	− .044	− .043	− .039	− .038	16
17	− .033	− .031	− .029	− .025	− .024	− .023	− .026	− .030	− .034	− .034	− .032	− .031	− .029	17
18	− .017	− .016	− .016	− .013	− .012	− .012	− .015	− .017	− .018	− .015	− .015	− .015	− .015	18
19	+ .001	+ .001	+ .001	+ .002	+ .003	+ .002	− .002	− .003	.000	+ .003	+ .004	+ .002	+ .001	19
20	+ .015	+ .017	+ .017	+ .020	+ .018	+ .015	+ .012	+ .014	+ .017	+ .019	+ .020	+ .016	+ .017	20
21	+ .026	+ .029	+ .030	+ .029	+ .025	+ .023	+ .020	+ .022	+ .029	+ .030	+ .029	+ .026	+ .026	21
22	+ .034	+ .035	+ .033	+ .030	+ .026	+ .025	+ .023	+ .024	+ .029	+ .032	+ .035	+ .033	+ .030	22
23	+ .030	+ .031	+ .028	+ .025	+ .023	+ .023	+ .020	+ .022	+ .026	+ .028	+ .029	+ .030	+ .026	23
24	+ .016	+ .019	+ .018	+ .017	+ .016	+ .016	+ .015	+ .018	+ .019	+ .016	+ .015	+ .015	+ .017	24

TABLE VI

TEMPERATURE OF AIR, EVAPORATION AND DEW POINT DURING THE YEAR 1885.

Observations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means.
	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.
Temperature of Air.													
(Dry Bulb. Ther. in shade.)													
Monthly Means	77.8	78.8	77.3	76.3	73.4	69.4	68.7	69.6	70.3	70.5	73.5	77.2	73.6
Mean at 6 hours	74.3	74.8	73.3	72.3	70.1	66.3	65.5	66.8	67.1	67.0	69.3	74.1	70.1
" 9 "	79.3	80.7	79.2	77.6	74.4	70.3	69.3	70.7	71.8	73.0	76.3	78.4	75.1
" 13 "	81.8	83.1	82.1	81.0	77.3	73.8	72.5	73.6	74.4	74.9	78.6	81.0	77.8
" 15 "	81.4	82.8	81.4	80.3	76.7	72.6	72.0	72.5	73.5	74.1	77.8	80.3	77.1
Highest Readings	86.0	86.7	85.0	83.8	82.6	79.2	76.4	77.2	78.0	79.2	84.0	84.2	81.9
Lowest "	69.2	68.8	69.8	65.0	64.1	59.8	57.4	59.8	61.0	61.3	60.1	69.0	63.8
Range in Month	16.8	17.9	15.2	18.8	18.5	19.4	19.0	17.4	17.0	17.9	23.9	15.2	18.1
Mean of Highest Daily Readings..	83.3	84.7	83.5	82.2	78.7	75.0	73.8	74.8	75.7	76.5	80.3	82.2	79.2
" Lowest "	73.7	74.3	72.8	71.7	69.4	65.3	64.3	65.4	66.2	66.4	68.4	73.6	69.3
Approximate Means.....	78.5	79.5	78.1	76.9	74.0	70.1	69.0	70.1	70.9	71.4	74.3	77.9	74.2
Mean Diurnal Range	9.6	10.4	10.7	10.5	9.3	9.7	9.5	9.4	9.5	10.1	11.9	8.6	9.9
Greatest "	14.5	14.9	14.1	16.0	13.8	14.5	16.8	13.7	14.6	14.8	16.8	14.2	14.9
Least "	2.7	7.7	8.4	7.8	4.2	4.3	4.8	6.2	6.3	2.7	8.8	4.0	5.7
Temperature of Evaporation.													
(Wet Bulb. Ther. in shade.)													
Monthly Means	73.3	73.9	72.6	71.4	68.7	64.2	63.6	64.3	65.2	64.8	67.8	72.6	68.5
Mean at 6 hours	72.1	72.2	70.9	69.6	67.1	62.3	62.1	63.1	63.9	63.3	66.4	71.4	67.0
" 9 "	73.9	75.1	74.1	73.0	70.1	65.4	64.9	65.4	66.3	65.9	68.9	73.5	69.7
" 13 "	74.4	75.9	74.8	73.4	70.7	66.4	65.1	66.0	66.8	66.6	69.6	74.3	70.3
" 15 "	74.5	75.6	74.4	73.2	70.4	66.2	65.2	65.5	66.6	66.3	69.3	73.9	70.1
Highest Readings	79.5	79.4	78.6	77.2	76.9	73.6	71.5	71.4	71.0	74.6	75.4	78.0	75.6
Lowest "	65.5	67.2	66.5	62.3	59.6	55.7	53.8	55.0	58.6	57.5	57.4	66.0	60.4
Range in Month	14.0	12.2	12.1	14.9	17.3	17.9	17.7	16.4	12.4	17.1	18.0	12.0	15.2
Mean of Highest Daily Readings..	76.0	77.2	76.3	74.8	72.1	68.0	66.8	67.4	68.3	68.0	70.9	75.5	71.8
" Lowest "	71.1	71.5	70.3	68.9	66.0	61.2	61.0	62.0	63.1	62.5	65.4	70.8	66.1
Approximate Means.....	73.5	74.3	73.3	71.8	69.0	64.6	63.9	64.7	65.7	65.2	68.1	73.1	68.9
Mean Diurnal Range	4.9	5.7	6.0	5.9	6.1	6.8	5.8	5.4	5.2	5.5	5.5	4.7	5.6
Greatest "	8.2	8.5	8.7	9.2	9.4	11.7	11.7	9.2	9.6	11.5	11.2	7.9	9.7
Least "	2.4	2.2	4.0	3.6	2.6	3.3	3.2	1.8	3.0	2.8	2.9	2.2	2.8
Dew Point.													
(Deduced.)													
Monthly Means	70.1	70.6	69.4	68.0	65.3	60.3	59.7	60.2	61.4	60.5	63.8	69.4	64.9
Mean at 6 hours	70.5	70.4	69.2	67.6	64.8	59.1	59.3	60.1	61.4	60.4	64.2	69.4	64.7
" 9 "	70.1	71.3	70.6	69.7	67.0	61.6	61.4	61.3	62.2	60.6	63.7	69.9	65.8
" 13 "	69.4	71.1	70.0	68.3	66.1	60.9	59.6	60.3	61.2	60.6	63.4	69.8	65.1
" 15 "	69.8	70.8	69.7	68.4	65.9	61.5	60.2	60.4	61.4	60.6	63.4	69.5	65.1
Highest in Month	76.5	74.8	74.9	74.3	73.1	69.3	67.9	68.1	66.8	70.1	70.6	75.3	71.8
Lowest "	60.5	64.7	64.1	60.4	55.3	52.0	50.8	51.4	55.8	52.5	55.1	63.3	57.2
Range "	16.0	10.1	10.8	13.9	17.8	17.3	17.1	16.7	11.0	17.6	15.5	12.0	14.6
Greatest Diurnal Range	6.4	5.2	5.7	7.2	6.6	8.3	9.7	9.0	6.1	8.7	6.7	5.4	7.1
Least "	1.0	1.0	0.6	1.1	1.3	0.8	1.0	0.8	0.8	0.7	0.8	0.3	0.8

TABLE VII

ELASTIC FORCE OF VAPOUR, RELATIVE HUMIDITY, CLOUD AND RAINFALL DURING THE YEAR 1885.

Observations.	January.	Feb.	March.	April.	May.	June.	July.	August.	Septem.	October.	Novem.	Decem.	Means.
Elastic Force of Vapour. (Deduced.)	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.
Monthly Means	.742	.750	.721	.687	.630	.529	.517	.526	.546	.532	.596	.724	.625
Mean at 6 hours	.750	.746	.715	.679	.618	.506	.509	.523	.546	.530	.605	.723	.621
„ 9 „	.742	.769	.751	.730	.666	.553	.549	.548	.563	.533	.595	.734	.644
„ 13 „	.726	.765	.734	.694	.647	.542	.514	.528	.541	.534	.586	.733	.629
„ 15 „	.734	.755	.728	.696	.643	.552	.525	.529	.547	.534	.587	.725	.630
Highest in Month.....	.914	.864	.868	.850	.817	.717	.683	,688	.659	.738	.749	.877	.785
Lowest „	.526	.610	.598	.526	.437	.389	.374	.381	.446	.396	.435	.581	.475
Range „	.388	.254	.270	.324	.380	.328	.309	.307	.213	.342	.314	.296	.310
Greatest Diurnal Range	.147	.137	.136	.169	.144	.157	.154	.152	.114	.164	.154	.142	.147
Least „	.026	.028	.016	.027	.030	.014	.018	.016	.015	.012	.014	.007	.019
Relative Humidity. (Deduced, Comp. Sat.=100.)	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.	Rel.
Monthly Means	78.2	76.8	77.5	76.3	76.7	73.6	73.6	72.7	74.0	71.4	72.7	77.7	75.1
Mean at 6 hours	88.0	86.3	87.0	85.4	83.4	78.0	80.6	79.3	82.1	79.7	83.9	85.5	83.3
„ 9 „	74.1	73.3	75.0	76.8	78.0	74.3	76.5	72.6	72.6	65.3	65.3	74.5	73.2
„ 13 „	67.0	67.5	67.0	65.6	68.9	64.8	64.3	63.4	63.6	61.7	59.8	69.3	65.2
„ 15 „	68.5	67.4	68.0	67.3	70.0	69.3	66.7	66.2	66.0	63.2	61.6	69.9	67.0
Highest in Month.....	94.7	91.7	91.5	90.5	94.0	92.2	92.8	89.2	89.2	89.2	93.0	91.5	91.6
Lowest „	50.1	54.0	51.0	52.7	51.5	49.8	48.9	44.8	55.0	46.8	44.6	53.0	50.2
Range „	44.6	37.7	40.5	37.8	42.5	42.4	43.9	44.4	34.2	42.4	48.4	38.5	41.4
Greatest Diurnal Range	36.1	30.7	31.3	31.6	25.6	26.6	29.3	33.2	28.3	29.7	36.5	35.1	31.2
Least „	3.4	8.2	10.4	4.0	7.6	7.8	7.0	8.1	13.0	6.9	14.6	5.9	8.1
Upper Cloud. (10=Overcast.)													
Monthly Means	0.8	1.5	1.3	0.9	0.7	0.2	0.1	0.8	0.7	0.7	0.6	1.2	0.8
Mean at 6 hours	0.8	1.6	1.7	1.0	0.3	0.0	0.0	0.7	1.5	1.1	1.1	1.4	0.9
„ 9 „	0.8	1.8	1.5	1.2	0.4	0.3	0.1	1.2	0.4	0.7	0.2	1.1	0.8
„ 13 „	1.1	1.2	1.1	0.7	1.0	0.3	0.2	0.7	0.4	0.5	0.4	1.1	0.7
„ 15 „	0.6	1.5	1.0	0.8	1.0	0.3	0.0	0.7	0.4	0.6	0.6	1.2	0.7
Lower Cloud. (10=Overcast.)													
Monthly Means	5.6	4.4	4.5	3.8	4.6	5.1	4.9	4.5	4.8	4.7	4.8	6.0	4.8
Mean at 6 hours	5.0	3.2	3.2	2.6	4.4	4.2	4.2	3.6	2.5	3.1	2.7	5.1	3.6
„ 9 „	5.8	4.0	4.3	2.6	4.7	4.8	4.4	3.8	4.8	4.5	5.3	6.1	4.6
„ 13 „	5.7	5.2	5.4	4.6	4.8	5.5	5.2	5.5	5.9	5.8	5.9	6.5	5.5
„ 15 „	6.1	5.4	5.2	5.4	4.6	6.1	5.8	5.1	6.0	5.6	5.4	6.2	5.6
	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.
Rainfall	6.70	2.16	5.73	1.41	7.40	4.36	2.18	2.76	3.59	1.57	1.59	5.16	44.61
No. of days on which rain fell	16	14	15	12	17	22	21	19	21	13	10	20	200
	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.
Mean Rainfall for the years 1875-85.....	6.67	6.02	6.64	6.12	5.41	2.10	2.24	1.97	1.62	1.79	2.19	5.33	48.10
Excess or Defect in 1885	+0.03	−3.86	−0.91	−4.71	+1.99	+2.26	−0.06	+0.79	+1.97	−0.22	−0.60	−0.17	−3.49

TABLE VIII

MEANS AND EXTREMES OF THE READINGS OF THERMOMETERS EXPOSED ON THE LAWN IN 1885.

Months.	Maximum Thermometer in Screen.					Minimum Thermometer in Screen.					Minimum Thermometer on Grass.					Maximum Temperature in Sun's rays. N. & Z., No. 5999.					Maximum Temperature in Sun's rays. Hicks, No. 3647.					Months.
	Means.	Max.	Dates.	Min.	Dates.	Means.	Max.	Dates.	Min.	Dates.	Means.	Max.	Dates.	Min.	Dates.	Means.	Max.	Dates.	Min.	Dates.	Means.	Max.	Dates.	Min.	Dates.	
January	88°.2	92°.0	18	76°.8	7	71°.2	77°.6	24	63°.5	4	68°.4	75°.3	24	60°.3	4	131°.4	140°.0	4	88°.5	7	°	°	...	°	...	January
February.....	89.5	93.0	5	86.6	12	71.6	75.3	24	66.3	15	68.2	73.2	23	63.3	16 & 27	134.2	139.1	15	120.0	12	*154.1	161.2	15	138.0	12	February
March	88.5	91.1	4 & 8	86.2	25	69.9	74.0	14	65.1	7	65.5	71.2	14	61.1	7	133.4	142.9	8	127.0	29	154.8	166.7	8	147.9	29	March
April	87.9	89.6	13	86.0	28	67.4	72.1	8	58.1	26	62.9	68.5	8	53.1	26	129.7	134.5	15	121.6	25	149.3	157.0	4	138.8	25	April
May	84.3	88.5	4 & 5	79.8	30	65.0	73.0	1 & 6	56.0	10	60.1	70.3	1	50.8	10	123.9	131.7	1	118.4	13	142.2	149.0	1	135.6	21	May
June	79.9	86.1	1	74.0	5	60.8	68.0	7	51.9	24	54.2	65.5	6	46.2	24	118.1	123.6	1	111.2	5	136.0	142.1	1	126.9	5	June
July	78.7	82.0	7	74.8	12	59.9	67.0	15	51.3	25	55.0	65.3	15	46.4	10	117.2	125.3	14	95.2	15	135.4	144.3	14	105.4	15	July
August	79.5	82.5	17	76.0	1	61.3	68.0	7	53.0	20	56.6	65.5	7	47.0	20	121.1	127.6	17	115.5	10	140.7	147.7	28	133.2	8	August
September	80.4	83.4	13 & 20	75.3	2	62.6	67.1	16	56.0	9 & 30	57.9	65.3	16	50.3	30	123.4	134.3	28	114.0	5	144.6	158.0	28	130.8	5	September
October	81.5	85.5	18	70.0	3	62.3	73.3	27	54.0	6	57.3	71.3	27	48.8	8	125.4	130.8	22	95.4	3	148.0	156.5	29	108.0	3	October
November	85.9	89.3	28	82.4	7	64.6	73.0	29	54.0	7	59.3	70.0	29	47.6	7	130.4	137.2	9	124.0	23	153.2	160.0	9	144.4	23	November
December	87.4	91.0	20	83.0	11	71.0	76.3	23	63.2	30	67.1	74.3	23	58.3	30	131.9	139.5	5	116.4	23	153.6	162.7	5	130.6	23	December
Means	84.3	87.8		79.2		65.6	72.1		57.7		61.0	69.6		52.8		126.7	133.9		112.3		146.5	155.0		130.9		Means.

* From February 5th.

NOTE.—The Max : and Min : Thermometers are exposed in a Stevenson's Screen.
The readings of two solar radiation vacuum thermometers are given, one by Negretti and Zambra, No. 5999, the bulb being made of black glass, and the other by Hicks No. 3647, the bulb and about an inch of the stem being coated with lamp black. When compared with theKew Reference Standard, after being mounted in its glass jacket, Hicks had a correction of −0°.9 at 100 deg.

TABLE IX

READINGS OF A THERMOMETER, THE BULB OF WHICH IS 5 FEET BELOW THE SOIL.

Months.	6 hours.	9 hours.	12 hours.	15 hours.	Abs. Max.	Abs. Min.	Range during month.
February *	81°.1	81°.1	81°.1	81°.1	81°.3	81°.0	0°.3
March	81.3	81.3	81.3	81.4	81.6	81.2	0.4
April	81.0	81.0	81.0	81.0	81.3	80.7	0.6
May	79.9	79.9	79.9	79.9	80.6	79.0	1.6
June	78.1	78.1	78.2	78.1	79.1	77.1	2.0
July	76.3	76.3	76.3	76.3	77.0	75.7	1.3
August	75.4	75.4	75.4	75.4	75.7	75.1	0.6
September	75.2	75.2	75.2	75.2	75.6	75.0	0.6
October	75.7	75.7	75.8	75.7	76.0	75.5	0.5
November	76.4	76.4	76.4	76.4	77.0	75.9	1.1
December	78.0	78.0	78.0	77.9	78.8	77.0	1.8
Means	78.0	78.0	78.0	78.0	78.5	77.6	1.0

* From February 11.

TABLE X

AMOUNT OF EVAPORATION.

Periods.	Evaporation.	Mean daily evaporation.	Rainfall.	Excess of Evaporation over Rainfall.
	Inches.	Inches.	Inches.	Inches.
February 11—28	3.56	0.209	1.56	+ 2.00
„ 28—March 23	4.83	0.210	2.83	+ 2.00
March 24—April 20	6.28	0.233	2.28	+ 4.00
April 20—May 1	2.07	0.188	0.10	+ 1.97
May 2—June 2	6.26	0.202	4.73	+ 1.53
June 10—July 1	3.27	0.156	1.27	+ 2.00
July 1—August 1	3.97	0.128	2.08	+ 1.89
August 1—September 1	5.29	0.171	3.04	+ 2.25
September 1—October 1	6.07	0.202	3.28	+ 2.79
October 1—October 30	6.42	0.221	1.52	+ 4.90
October 30—December 1	8.74	0.273	1.66	+ 7.08
December 1—December 28	7.22	0.258	4.87	+ 2.35
Totals and Means	63.98	0.204	29.22	+ 34.76

NOTE.—The above observations have been made with an Evaporometer by Negretti and Zambra, consisting of a brass vessel, of the same diameter as the Glaisher rain gauge, viz: 8 inches, and placed on the lawn near the latter.

TABLE XI

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.	Totals.	Months.
January.	28	13	14	12	30	40	75	108	67	38	57	88	25	8	2	18	1	1	...	1	...	1	8	4	5	2	5	5	29	20	21	18	...	744	January.
February	1	2	4	6	9	25	66	111	110	48	87	47	21	15	5	12	12	6	2	2	8	6	20	5	5	24	3	3	1	1	1	4	...	672	February.
March	3	5	7	7	5	28	44	75	76	72	120	102	71	22	20	11	3	3	1	3	12	1	7	6	1	3	4	4	6	11	3	8	...	744	March
April	7	2	2	3	5	14	24	33	61	42	120	127	101	60	18	19	2	1	...	4	7	3	6	7	4	4	10	2	3	11	14	4	...	720	April.
May	2	5	...	4	1	6	13	51	44	62	139	128	58	77	42	29	12	11	1	2	4	6	4	6	2	1	5	2	11	2	5	9	...	744	May.
June	...	...	2	1	1	3	7	24	40	57	184	207	73	77	29	6	...	1	2	1	...	...	...	...	1	1	...	1	2	...	...	...	...	720	June.
July	...	1	...	1	3	6	14	37	56	108	210	138	54	34	34	21	10	...	6	1	...	3	3	1	...	3	...	...	...	...	...	...	...	744	July.
August	5	1	5	12	14	8	37	54	69	114	165	147	62	28	9	1	3	1	...	...	...	4	...	1	1	1	...	...	...	2	...	...	...	744	August.
September	...	...	...	...	1	5	43	88	133	128	176	105	24	...	1	6	2	2	...	...	1	...	...	...	1	...	1	2	...	1	...	...	...	720	September.
October.	11	6	3	2	7	19	25	50	49	77	140	134	92	33	23	13	7	6	1	3	3	3	1	7	2	...	6	1	4	8	5	3	...	744	October.
November	2	8	3	5	12	32	101	105	66	55	141	113	33	11	3	6	1	3	5	1	4	2	4	3	1	...	...	...	...	...	...	...	...	720	November.
December	28	6	4	16	17	32	46	60	76	81	112	86	17	5	3	7	2	2	1	...	2	5	11	9	9	5	5	23	28	6	13	27	...	744	December.
Totals...	87	49	44	69	105	218	495	796	847	882	1651	1422	631	370	189	149	55	37	19	18	41	34	64	49	32	44	39	43	84	62	62	73	...	8760	Totals.
Percentages	0.99	0.56	0.50	0.79	1.20	2.49	5.66	9.09	9.67	10.07	18.85	16.23	7.20	4.22	2.16	1.70	0.63	0.42	0.22	0.21	0.47	0.39	0.73	0.56	0.37	0.50	0.45	0.49	0.96	0.71	0.71	0.83	...	100.03	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 XII

OBSERVED MEAN HOURLY VELOCITY OF THE WIND IN 1885.

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	7.2	7.5	6.3	6.2	8.2	8.8	7.9	8.3	8.7	8.4	7.4	9.0	7.8	1
2	7.2	7.6	6.2	6.8	8.6	9.4	8.1	8.7	9.2	9.0	7.2	9.1	8.1	2
3	6.6	7.0	6.0	6.2	8.1	9.0	7.7	8.4	9.2	9.2	7.5	9.3	7.8	3
4	6.8	6.5	6.0	6.1	8.1	8.6	7.9	8.3	8.6	9.0	7.2	9.2	7.7	4
5	6.6	6.7	6.2	6.4	8.0	8.6	8.0	8.2	9.1	9.3	7.2	9.1	7.8	5
6	6.9	6.6	6.3	6.7	8.1	9.3	8.1	8.3	9.1	8.8	7.5	9.8	8.0	6
7	7.7	6.7	6.1	6.1	8.4	9.4	7.8	8.3	9.4	9.6	10.0	10.9	8.4	7
8	10.4	9.4	8.5	7.1	9.0	10.7	9.3	10.1	13.2	14.4	13.4	13.8	10.8	8
9	12.1	12.0	10.4	9.9	12.1	12.7	12.9	14.3	16.0	15.5	14.5	15.2	13.1	9
10	12.7	12.0	11.2	10.1	13.1	15.5	14.7	15.3	16.4	15.9	14.6	15.6	13.9	10
11	12.9	12.6	11.9	10.2	14.2	15.9	15.0	15.7	16.0	15.6	14.5	16.0	14.2	11
12	12.8	12.8	12.6	10.6	14.7	16.8	15.7	16.4	17.0	16.1	14.6	16.8	14.7	12
13	13.4	12.8	13.1	11.0	14.8	17.0	15.7	16.5	16.4	15.6	14.3	16.1	14.7	13
14	13.9	13.4	14.0	11.1	14.6	17.0	15.5	16.5	16.9	15.3	14.3	16.2	14.9	14
15	12.9	12.5	12.8	10.3	13.6	15.4	15.3	15.8	16.1	14.9	13.3	15.6	14.0	15
16	12.9	11.7	12.1	9.5	13.1	14.6	14.9	15.3	15.0	14.3	12.9	15.3	13.5	16
17	11.4	11.1	11.1	8.1	10.2	12.1	11.8	12.7	13.5	12.8	12.1	14.3	11.8	17
18	10.4	9.1	8.5	6.9	7.8	10.0	9.3	9.8	11.1	10.6	10.1	12.5	9.3	18
19	8.4	6.8	6.7	6.6	8.0	9.8	8.6	9.0	9.7	8.6	8.5	10.7	8.4	19
20	7.5	6.8	6.8	6.7	7.8	10.0	9.0	9.1	9.8	7.8	7.7	10.6	8.3	20
21	7.1	6.6	6.8	6.8	8.3	9.8	8.3	9.1	9.5	7.8	7.6	9.4	8.1	21
22	6.7	6.7	6.4	6.8	8.1	9.6	7.9	8.3	9.3	8.1	7.2	9.4	7.9	22
23	6.7	7.2	6.4	6.8	8.0	9.8	7.8	8.6	9.2	8.1	7.3	9.5	7.9	23
24	6.8	7.2	6.4	7.0	8.0	9.4	7.8	9.0	8.8	7.7	7.3	9.3	7.9	24
Means	9.5	9.1	8.7	7.9	10.1	11.6	10.6	11.3	12.0	11.3	10.3	12.2	10.4	Means.

TABLE XIII

OBSERVED MEAN DAILY AND MONTHLY VELOCITY OF THE WIND IN 1885.

Days of Months.	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.	Means. Velocity in miles per hour.	Days of Months.
1st	12.5	10.7	4.5	5.1	17.0	4.3	9.9	14.2	18.9	6.6	15.8	10.4	10.8	1st
2nd	11.2	8.6	10.5	6.4	13.6	11.3	13.3	16.8	20.0	18.8	15.0	10.1	13.0	2nd
3rd	7.6	7.6	10.8	7.9	8.8	12.6	9.6	12.2	18.6	13.3	8.8	11.3	10.8	3rd
4th	6.7	6.3	10.3	9.0	7.1	11.6	8.9	10.6	14.9	13.5	7.3	11.7	9.8	4th
5th	8.1	7.8	8.8	5.5	11.3	13.3	8.4	10.1	11.4	7.4	16.7	8.8	9.8	5th
6th	9.2	10.8	5.3	5.8	12.1	12.8	7.6	5.4	11.9	5.5	12.5	11.0	9.2	6th
7th	7.0	12.2	5.3	6.3	10.4	13.9	6.1	8.3	8.8	5.4	7.1	13.4	8.7	7th
8th	9.1	12.5	6.9	7.1	11.7	13.1	8.4	11.4	13.2	8.5	7.6	14.3	10.3	8th
9th	9.6	13.1	6.7	7.3	11.6	15.5	13.1	12.4	9.7	10.3	8.4	18.6	11.4	9th
10th	9.1	11.1	5.7	7.9	9.8	19.6	11.4	14.1	9.1	9.6	9.5	17.9	11.2	10th
11th	9.4	11.6	6.9	7.1	11.3	13.1	8.6	11.8	10.6	15.8	10.5	16.1	11.1	11th
12th	7.0	7.8	14.9	5.5	10.9	11.6	8.9	7.1	12.3	15.7	11.5	15.3	10.7	12th
13th	7.5	7.3	15.5	6.5	10.1	9.3	9.6	4.7	9.5	15.9	12.2	12.1	10.0	13th
14th	8.4	7.1	11.8	7.8	14.9	9.0	7.2	10.1	11.1	13.4	11.4	7.4	10.0	14th
15th	9.1	5.5	11.6	10.3	12.8	8.6	10.9	13.7	11.8	11.9	9.5	5.9	10.1	15th
16th	6.7	6.8	12.6	11.5	9.1	11.5	11.9	12.7	11.6	8.8	7.0	6.7	9.7	16th
17th	5.9	4.9	12.3	9.7	7.9	14.8	9.3	7.7	9.6	8.4	7.2	7.8	8.8	17th
18th	17.9	8.0	11.4	10.7	10.1	13.5	7.3	8.7	12.1	9.5	11.4	9.9	10.9	18th
19th	22.7	10.3	9.7	8.7	9.8	12.7	9.3	12.2	10.4	8.8	11.3	19.1	12.1	19th
20th	15.6	12.9	9.6	8.0	9.9	8.0	16.9	12.4	8.0	11.9	7.8	20.0	11.7	20th
21st	9.8	10.5	7.9	7.3	8.9	7.8	16.0	11 7	9.0	13.8	9.1	19.9	11.0	21st
22nd	10.1	9.7	7.1	5.9	10.2	13.6	12.6	13.9	12.3	11.5	6.8	15.0	10.7	22nd
23rd	7.8	12.4	6.4	6.9	11.7	8.6	9.3	15.4	12.5	13.0	8.3	19.9	11.0	23rd
24th	12.4	12.1	5.8	8.7	7.1	7.0	6.5	16.1	13.0	10.3	9.0	21.8	10.8	24th
25th	12.3	7.8	5.1	7.9	7.0	7.8	6 8	13.5	15.5	11.8	8.4	14.5	9.9	25th
26th	7.4	8.3	6.1	4.9	6.6	11.1	11.6	12.0	15.3	11.8	9 3	8.4	9.4	26th
27th	6.0	8.5	8.8	5.8	6.2	12.4	15.2	10.7	14.1	11.7	11.8	6.1	9.8	27th
28th	4.5	4.0	9.5	4.0	6.0	12.6	17.0	6.1	10.5	9.1	12.6	7.6	8.6	28th
29th	8.7	.....	8.5	14.6	10.2	15.5	15.9	7.6	7.3	14.9	14.0	5.0	11.1	29th
30th	7.7	.....	7.8	17.1	10.4	12.4	11.1	10.1	6.1	11.7	12.3	6.6	10.3	30th
31st	7.6	.....	5.7	.....	8.8	.....	11.2	15.1	.....	13.0	.....	5.3	9.5	31st
Means	9.5	9.1	8.7	7.9	10.1	11.6	10.6	11.3	12.0	11.3	10.3	12.2	10.4	Means.

TABLE XIV

MEAN HOURLY AND MONTHLY NORTH AND EAST COMPONENTS OF THE WIND IN 1885.

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	− 0.47	+ 5.29	− 1.51	+ 6.05	− 2.14	+ 5.24	− 3.38	+ 4.42	− 4.18	+ 5.24	− 4.76	+ 7.11	− 4.05	+ 6.26	1
2	− 0.42	+ 5.07	− 2.13	+ 5.90	− 2.95	+ 5.16	− 4.08	+ 4.99	− 4.53	+ 5.55	− 5.25	+ 7.49	− 3.96	+ 6.10	2
3	+ 0.11	+ 4.01	− 2.07	+ 5.64	− 2.75	+ 5.03	− 3.38	+ 4.48	− 4.50	+ 5.16	− 5.15	+ 7.09	− 4.25	+ 5.63	3
4	− 0.25	+ 4.69	− 1.80	+ 5.16	− 2.75	+ 4.79	− 3.49	+ 4.30	− 4.37	+ 4.63	− 4.77	+ 6.97	− 4.84	+ 5.46	4
5	− 0.20	+ 4.48	− 1.91	+ 5.07	− 2.86	+ 5.03	− 3.66	+ 4.47	− 4.49	+ 5.47	− 4.93	+ 6 64	− 4.54	+ 5.84	5
6	− 0.17	+ 4.82	− 1.49	+ 4.97	− 2.62	+ 4.79	− 4.15	+ 4.45	− 4.44	+ 5.17	− 4.93	+ 7.10	− 4.48	+ 6.06	6
7	+ 0.52	+ 5.32	− 1.41	+ 5.26	− 2.70	+ 4.72	− 3.85	+ 4.10	− 3.92	+ 5.52	− 5.52	+ 7.01	− 4.35	+ 5.74	7
8	+ 1.72	+ 7.07	− 0.78	+ 7.60	− 2.48	+ 7.07	− 4.08	+ 5.25	− 4.47	+ 5.86	− 5.03	+ 8.54	− 4.78	+ 7.35	8
9	+ 3.83	+ 8.51	+ 0.17	+ 9.72	− 1.05	+ 8.69	− 3.28	+ 7.84	− 4.63	+ 8.45	− 6.13	+ 10.16	− 5.37	+ 10.84	9
10	+ 5.05	+ 7.19	+ 0.39	+ 8.92	+ 0.48	+ 9.08	− 1.39	+ 8.11	− 4.12	+ 8.93	− 6.38	+ 12.94	− 5.24	+ 12.81	10
11	+ 4.96	+ 7.57	+ 2.16	+ 8.53	+ 0.75	+ 8.62	− 0.63	+ 6.61	− 3.36	+ 10.50	− 6.36	+ 13.34	− 4.29	+ 13.23	11
12	+ 5.04	+ 6.81	+ 2.24	+ 8.61	+ 0.83	+ 8.64	+ 0.12	+ 6.83	− 3.51	+ 10.28	− 6.39	+ 13.73	− 4.29	+ 13.78	12
13	+ 6.38	+ 6.16	+ 2.56	+ 7.11	+ 0.55	+ 7.71	− 0.44	+ 6.20	− 3.98	+ 10.61	− 6.81	+ 13.27	− 4.66	+ 13.06	13
14	+ 6.10	+ 6.32	+ 1.96	+ 8.19	− 0.24	+ 8.35	− 0.50	+ 5.36	− 4.18	+ 9.37	− 6.01	+ 14.17	− 4.51	+ 12.24	14
15	+ 4.71	+ 6.04	+ 0.20	+ 8.01	− 0.70	+ 8.70	− 1.94	+ 5.58	− 4.36	+ 9.30	− 6.06	+ 12.34	− 4.61	+ 12.41	15
16	+ 3.90	+ 6.77	+ 0.20	+ 7.25	− 0.90	+ 8.39	− 1.82	+ 5·97	− 4.71	+ 8.82	− 6.28	+ 11.98	− 4.63	+ 12.26	16
17	+ 2.86	+ 6.78	+ 0.19	+ 6.84	− 1.42	+ 7.38	− 1.89	+ 5.45	− 3.91	+ 6.79	− 6.22	+ 9.68	− 4.64	+ 9.85	17
18	+ 1.49	+ 7.01	− 0.82	+ 6.37	− 1.52	+ 6.52	− 2.84	+ 4.33	− 2.98	+ 5.11	− 5.32	+ 7.94	− 3.77	+ 7.70	18
19	+ 0.23	+ 5.90	− 1.18	+ 4.65	− 1.71	+ 5.10	− 2.96	+ 4.56	− 3.88	+ 5.18	− 5.03	+ 7.83	− 4.13	+ 6.97	19
20	+ 0.42	+ 5.45	− 1.60	+ 4.56	− 1.85	+ 5.06	− 3.01	+ 4.47	− 3.95	+ 4.99	− 4.85	+ 8.20	− 4.18	+ 7.40	20
21	− 0.09	+ 5.03	− 1.64	+ 4.78	− 2.59	+ 4.97	− 3.48	+ 4.65	− 4.33	+ 4.83	− 4.48	+ 8.05	− 3.55	+ 7.14	21
22	+ 0.07	+ 4.80	− 1.22	+ 4.97	− 2.16	+ 4.66	− 3.33	+ 4.90	− 4.33	+ 4.80	− 4.72	+ 7.99	− 3.46	+ 6.49	22
23	− 0.05	+ 4.75	− 1.37	+ 5.66	− 2.28	+ 4.63	− 3.72	+ 4.97	− 4.29	+ 4.98	− 4.48	+ 8.16	− 3.36	+ 6.55	23
24	− 0.14	+ 5.04	− 1.06	+ 5.92	− 2.38	+ 4.69	− 3.92	+ 5.07	− 4.13	+ 4.89	− 5.22	+ 7.52	− 3.66	+ 6.18	24
Means	+ 1.90	+ 5.87	− 0.50	+ 6.49	− 1.56	+ 6.37	− 2.71	+ 5.31	− 4.15	+ 6.68	− 5.46	+ 9.39	− 4.32	+ 8.64	Means.

TABLE XIV.—*(Continued.)*

MEAN HOURLY AND MONTHLY NORTH AND EAST COMPONENTS OF THE WIND IN 1885.

Months.	August.		September.		October.		November.		December..		Means for the year.		Variation.		Months.
Hours.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	Hours.
1	− 3.55	+ 6.77	− 3.00	+ 7.84	− 3.86	+ 6.04	− 2.59	+ 6.24	− 1.15	+ 6.45	− 2.89	+ 6.08	− 0.72	− 1.78	1
2	− 4.04	+ 6.99	− 3.07	+ 8.42	− 3.81	+ 6.68	− 2.66	+ 6.11	− 1.30	+ 6.04	− 3.18	+ 6.21	− 1.01	− 1.65	2
3	− 3.25	+ 6.86	− 3.67	+ 8.18	− 4.52	+ 6.41	− 2.94	+ 6.36	− 0.75	+ 6.12	− 3.09	+ 5.91	− 0.92	− 1.95	3
4	− 3.23	+ 6.86	− 2.90	+ 7.69	− 4.21	+ 6.25	− 2.93	+ 6.14	− 0.87	+ 6.12	− 3.03	+ 5.75	− 0.86	− 2.11	4
5	− 3.15	+ 6.55	− 3.22	+ 8.02	− 4.45	+ 6.47	− 2.80	+ 6.20	− 1.12	+ 6.45	− 3.11	+ 5.89	− 0.94	− 1.97	5
6	− 3.54	+ 6.78	− 3.17	+ 7.98	− 4.02	+ 6.05	− 3.18	+ 6.42	− 1.56	+ 6.85	− 3.15	+ 5.95	− 0.98	− 1.91	6
7	− 3.50	+ 6.84	− 3.14	+ 8.32	− 3.77	+ 6.80	− 2.83	+ 8.90	− 0.99	+ 7.41	− 2.95	+ 6.33	− 0.78	− 1.53	7
8	− 3.64	+ 8.72	− 3.04	+ 12.31	− 4.51	+ 10.63	− 1.01	+ 12.47	− 0.11	+ 9.25	− 2.68	+ 8.51	− 0.51	+ 0.65	8
9	− 3.67	+ 12.88	− 2.17	+ 15.21	− 3.76	+ 11.93	− 0.61	+ 13.45	+ 0.99	+ 10.23	− 2.14	+ 10.66	+ 0.03	+ 2.80	9
10	− 2.38	+ 14.00	− 0.47	+ 15.73	− 1.80	+ 12.25	+ 1.34	+ 13.48	+ 2.39	+ 9.33	− 1.01	+ 11.06	+ 1.16	+ 3.20	10
11	− 1.72	+ 13.97	− 0.65	+ 15.30	− 1.12	+ 11.87	+ 2.07	+ 12.37	+ 2.28	+ 9.58	− 0.49	+ 10.96	+ 1.68	+ 3.10	11
12	− 1.56	+ 14.07	− 0.53	+ 15.72	− 0.35	+ 11.20	+ 1.61	+ 11.79	+ 3.41	+ 9.42	− 0.28	+ 10.91	+ 1.89	+ 3.05	12
13	− 1.63	+ 12.47	+ 0.48	+ 14.81	− 1.84	+ 11.13	+ 1.25	+ 10.90	+ 2.57	+ 8.53	− 0.46	+ 10.16	+ 1.71	+ 2.30	13
14	− 1.70	+ 13.74	− 0.75	+ 14.76	− 1.26	+ 10.97	+ 1.48	+ 10.00	+ 2.10	+ 9.13	− 0.63	+ 10.22	+ 1.54	+ 2.36	14
15	− 3.06	+ 13.56	− 0.81	+ 14.84	− 2.65	+ 10.61	+ 1.71	+ 9.59	+ 1.55	+ 8.35	− 1.33	+ 9.94	+ 0.84	+ 2.08	15
16	− 3.22	+ 13.38	− 1.52	+ 14.00	− 2.65	+ 10.15	+ 0.31	+ 10.92	+ 1.03	+ 8.28	− 1.69	+ 9.85	+ 0.48	+ 1.99	16
17	− 3.26	+ 11.22	− 2.43	+ 12.47	− 2.77	+ 9.36	− 0.87	+ 10.59	+ 0.32	+ 8.23	− 2.00	+ 8.72	+ 0.17	+ 0.86	17
18	− 3.22	+ 8.34	− 2.46	+ 10.69	− 3.70	+ 8.02	− 1.20	+ 9.10	+ 0.08	+ 8.07	− 2.19	+ 7.43	− 0.02	− 0.43	18
19	− 3.13	+ 7.92	− 2.14	+ 9.11	− 3.07	+ 6.45	− 1.37	+ 7.57	− 0.59	+ 7.69	− 2.41	+ 6.58	− 0.24	− 1.28	19
20	− 3.64	+ 7.92	− 2.62	+ 9.11	− 2.63	+ 6.10	− 1.89	+ 6.70	− 0.76	+ 8.18	− 2.55	+ 6.51	− 0.38	− 1.35	20
21	− 3.54	+ 8.03	− 3.40	+ 8.59	− 2.88	+ 5.80	− 1.85	+ 6.74	− 1.27	+ 7.19	− 2.77	+ 6.32	− 0.60	− 1.54	21
22	− 3.49	+ 7.15	− 2.93	+ 8.54	− 3.20	+ 6.41	− 2.16	+ 6.27	− 1.01	+ 7.05	− 2.66	+ 6.17	− 0.49	− 1.69	22
23	− 3.56	+ 7.31	− 2.95	+ 8.34	− 3.04	+ 6.29	− 2.16	+ 6.36	− 1.32	+ 7.10	− 2.71	+ 6.26	− 0.54	− 1.60	23
24	− 3.19	+ 7.75	− 2.90	+ 7.99	− 3.02	+ 5.99	− 2.19	+ 6.37	− 0.96	+ 6.99	− 2.73	+ 6.20	− 0.56	− 1.66	24
Means	− 3.08	+ 9.59	− 2.23	+ 11.00	− 3.04	+ 8.33	− 1.06	+ 8.79	+ 0.12	+ 7.83	− 2.17	+ 7.86			Means.

TABLE XV

COMPUTED MEAN HOURLY AND MONTHLY DIRECTION AND VELOCITY OF THE WIND IN 1885.

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 ...	5.31	S 84°—55′E	6.23	S 75°—59′E	5.66	S 67°—47′E	5.56	S 52°—36′E	6.70	S 51°—25′E	8.56	S 56°—12′E	7.46	S 57°—06′E	1
2 ...	5.09	S 85 —16 E	6.27	S 70 —09 E	5.95	S 60 —15 E	6.45	S 50 —44 E	7.16	S 50 —47 E	9.15	S 54 —58 E	7.27	S 57 —01 E	2
3 ...	4.01	N 88 —26 E	6.15	S 69 —51 E	5.73	S 61 —20 E	5.61	S 52 —58 E	6.85	S 48 —55 E	8.76	S 54 —00 E	7.05	S 52 —57 E	3
4 ...	4.70	S 86 —57 E	5.46	S 70 —46 E	5.52	S 60 —08 E	5.54	S 50 —56 E	6.37	S 46 —39 E	8.45	S 55 —37 E	7.30	S 48 —27 E	4
5 ...	4.49	S 87 —27 E	5.41	S 69 —21 E	5.79	S 60 —23 E	5.78	S 50 —41 E	7.08	S 50 —37 E	8.27	S 53 —24 E	7.40	S 52 —08 E	5
6 ...	4.82	S 87 —59 E	5.19	S 73 —19 E	5.46	S 61 —19 E	6.08	S 47 —00 E	6.82	S 49 —21 E	8.64	S 55 —14 E	7.54	S 53 —32 E	6
7 ...	5.34	N 84 —25 E	5.45	S 75 —00 E	5.44	S 60 —14 E	5.62	S 46 —48 E	6.77	S 54 —37 E	8.91	S 51 —47 E	7.20	S 52 —51 E	7
8 ...	7.28	N 76 —20 E	7.64	S 84 —08 E	7.49	S 70 —40 E	6.65	S 52 —09 E	7.37	S 52 —40 E	9.91	S 59 —30 E	8.77	S 56 —58 E	8
9 ...	9.33	N 65 —46 E	9.72	N 89 —00 E	8.75	S 83 —07 E	8.50	S 67 —18 E	9.64	S 61 —17 E	11.87	S 58 —53 E	12.10	S 63 —39 E	9
10 ...	8.79	N 54 —55 E	8.93	N 87 —30 E	9.09	N 86 —58 E	8.23	S 80 —16 E	9.83	S 65 —14 E	14.43	S 63 —45 E	13.84	S 67 —45 E	10
11 ...	9.05	N 56 —46 E	8.80	N 75 —47 E	8.66	N 85 —02 E	6.64	S 84 —33 E	11.02	S 72 —15 E	14.78	S 64 —31 E	13.91	S 72 —02 E	11
12 ...	8.47	N 53 —30 E	8.90	N 75 —25 E	8.68	N 84 —31 E	6.83	N 89 —00 E	10.86	S 71 —09 E	15.14	S 65 —03 E	14.43	S 72 —42 E	12
13 ...	8.87	N 44 —00 E	7.56	N 70 —12 E	7.73	N 85 —55 E	6.22	S 85 —56 E	11.33	S 69 —26 E	14.92	S 62 —50 E	13.87	S 70 —22 E	13
14 ...	8.78	N 46 —01 E	8.42	N 76 —32 E	8.35	S 88 —21 E	5.38	S 84 —40 E	10.27	S 65 —57 E	15.39	S 67 —01 E	13.04	S 69 —46 E	14
15 ...	7.66	N 52 —03 E	8.01	N 88 —34 E	8.73	S 85 —24 E	5.91	S 70 —50 E	10.27	S 64 —53 E	13.75	S 63 —51 E	13.24	S 69 —37 E	15
16 ...	7.81	N 60 —03 E	7.25	N 88 —25 E	8.44	S 83 —53 E	6.24	S 73 —03 E	10.00	S 61 —54 E	13.52	S 62 —20 E	13 10	S 69 —19 E	16
17 ...	7.36	N 67 —08 E	6.84	N 88 —25 E	7.51	S 79 —07 E	5.77	S 70 —52 E	7.84	S 60 —04 E	11.51	S 57 —17 E	10.89	S 64 —47 E	17
18 ...	7.17	N 78 —00 E	6.42	S 82 —40 E	6.69	S 76 —53 E	5.18	S 56 —44 E	5.92	S 59 —45 E	9.56	S 56 —11 E	8.57	S 63 —55 E	18
19 ...	5.90	N 87 —46 E	4.80	S 75 —46 E	5.38	S 71 —28 E	5.44	S 57 —01 E	6.47	S 53 —10 E	9.31	S 57 —17 E	8.10	S 59 —21 E	19
20 ...	5.48	N 85 —36 E	4.83	S 70 —40 E	5.39	S 69 —55 E	5.39	S 56 —03 E	6.36	S 51 —38 E	9.53	S 59 —24 E	8.50	S 60 —32 E	20
21 ...	5.03	S 88 —59 E	5.05	S 71 —04 E	5.60	S 62 —28 E	5.81	S 53 —11 E	6.49	S 48 —07 E	9.21	S 60 —54 E	7.97	S 63 —34 E	21
22 ...	4.80	N 89 —10 E	5.12	S 76 —12 E	5.14	S 65 —08 E	5.92	S 55 —48 E	6.46	S 47 —57 E	9.28	S 59 —26 E	7.35	S 61 —56 E	22
23 ...	4.75	S 89 —24 E	5.83	S 76 —24 E	5.16	S 63 —47 E	6.21	S 53 —11 E	6.57	S 49 —15 E	9.31	S 61 —14 E	7.36	S 62 —51 E	23
24 ...	5.04	S 88 —25 E	6.01	S 79 —51 E	5.26	S 63 —08 E	6.41	S 52 —17 E	6.40	S 49 —49 E	9.15	S 55 —14 E	7.18	S 59 —22 E	24
Means ...	6.17	N 72°—04′E	6.51	S 85°—36′E	6.56	S 76°—14′E	5.96	S 62°—58′E	7.86	S 58°—09′E	10.86	S 59°—49′E	9.66	S 63°—26′E	Means.

TABLE XV.—*(Continued.)*

COMPUTED MEAN HOURLY AND MONTHLY DIRECTION AND VELOCITY OF THE WIND IN 1885.

Months.	August.		September.		October.		November.		December.		Means 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.	Velocity in miles per hour.	N=North S=South of Mean Direction.	Hours.
1 ...	7.65	S 62°—20 E	8.39	S 69°—04′E	7.17	S 57°—25′E	6.76	S 67°—28′E	6.55	S 79°—53′E	6.73	S 64°—35′E	− 1.42	S 9°—59′	1
2 ...	8.07	S 59 —58 E	8.96	S 69 —58 E	7.69	S 60 —18 E	6.66	S 66 —28 E	6.18	S 77 —51 E	6.98	S 62 —53 E	− 1.17	S 11 —41	2
3 ...	7.59	S 64 —39 E	8.96	S 65 —50 E	7.84	S 54 —49 E	7.01	S 65 —11 E	6.16	S 83 —01 E	6.67	S 62 —24 E	− 1.48	S 12 —10	3
4 ...	7.58	S 64 —47 E	8.22	S 69 —20 E	7.54	S 56 —02 E	6 80	S 64 —29 E	6.18	S 81 —55 E	6.50	S 62 —13 E	− 1.65	S 12 —21	4
5 ...	7.27	S 64 —19 E	8.64	S 68 —07 E	7.85	S 55 —29 E	6.80	S 65 —42 E	6.55	S 80 —09 E	6.66	S 62 —10 E	− 1.49	S 12 —24	5
6 ...	7.65	S 62 —26 E	8.59	S 68 —20 E	7.26	S 56 —24 E	7.16	S 63 —39 E	7.02	S 77 —10 E	6.73	S 62 —06 E	− 1.42	S 12 —28	6
7 ...	7.68	S 62 —54 E	8.89	S 69 —19 E	7.77	S 61 —00 E	9.34	S 72 —22 E	7.48	S 82 —23 E	6.98	S 65 —01 E	− 1.17	S 9 —33	7
8 ...	9.45	S 67 —21 E	12.68	S 76 —08 E	11.55	S 67 —01 E	12.51	S 85 —22 E	9.25	S 89 —19 E	8.92	S 72 —31 E	+ 0.77	S 2 —03	8
9 ...	13.39	S 74 —06 E	15.36	S 81 —53 E	12.51	S 72 —30 E	13.46	S 87 —24 E	10.28	N 84 —24 E	10.87	S 78 —39 E	+ 2.72	N 4 —05	9
10 ...	14.20	S 80 —21 E	15.74	S 88 —17 E	12.38	S 81 —38 E	13.55	N 84 —19 E	9.63	N 75 —38 E	11.11	S 84 —47 E	+ 2.96	N 10 —13	10
11 ...	14.08	S 82 —59 E	15.31	S 87 —34 E	11.92	S 84 —37 E	12.54	N 80 —30 E	9.85	N 76 —37 E	10.97	S 87 —26 E	+ 2.82	N 12 —52	11
12 ...	14.16	S 83 —40 E	15.73	S 88 —04 E	11.21	S 88 —13 E	11.90	N 82 —13 E	10.02	N 70 —06 E	10.91	S 88 —32 E	+ 2.76	N 13 —58	12
13 ...	12.58	S 82 —33 E	14.82	N 88 —09 E	11.28	S 80 —37 E	10.97	N 83 —27 E	8.91	N 73 —14 E	10.17	S 87 —24 E	+ 2.02	N 12 —50	13
14 ...	13.85	S 82 —57 E	14.78	S 87 —05 E	11.04	S 83 —27 E	10.11	N 81 —35 E	9.37	N 77 —03 E	10.24	S 86 —28 E	+ 2.09	N 11 —54	14
15 ...	13.90	S 77 —17 E	14.86	S 86 —53 E	10.94	S 75 —59 E	9.74	N 79 —53 E	8.49	N 79 —29 E	10.03	S 82 —23 E	+ 1.88	N 7 —49	15
16 ...	13.76	S 76 —28 E	14.08	S 83 —48 E	10.49	S 75 —22 E	10.92	N 88 —22 E	8.34	N 82 —55 E	9.99	S 80 —16 E	+ 1.84	N 5 —42	16
17 ...	11.68	S 73 —48 E	12.70	S 78 —58 E	9.76	S 73 —31 E	10.63	S 85 —18 E	8.24	N 87 —46 E	8.95	S 77 —05 E	+ 0.80	N 2 —31	17
18 ...	8.94	S 68 —53 E	10.97	S 77 —02 E	8.83	S 65 —14 E	9.18	S 82 —29 E	8 07	N 89 —26 E	7.75	S 73 —35 E	− 0.40	S 0 —59	18
19 ...	8.51	S 68 —26 E	9.36	S 76 —47 E	7.14	S 64 —33 E	7.69	S 79 —45 E	7.71	S 85 —37 E	7.61	S 69 —53 E	− 1.14	S 4 —41	19
20 ...	8.72	S 65 —19 E	9.48	S 73 —57 E	6.64	S 66 —41 E	6.96	S 74 —15 E	8.21	S 84 —42 E	6.99	S 68 —37 E	− 1.16	S 5 —57	20
21 ...	8.78	S 66 —13 E	9.23	S 68 —24 E	6.47	S 63 —36 E	6.99	S 74 —39 E	7.30	S 79 —59 E	6.90	S 66 —20 E	− 1.25	S 8 —14	21
22 ...	7.96	S 63 —59 E	9.03	S 71 —04 E	7.16	S 63 —28 E	6.63	S 70 —59 E	7.12	S 81 —51 E	6.72	S 66 —41 E	− 1.43	S 7 —53	22
23 ...	8.13	S 64 —02 E	8.85	S 70 —31 E	6.99	S 64 —12 E	6.72	S 71 —14 E	7.22	S 79 —28 E	6.82	S 66 —36 E	− 1.33	S 7 —58	23
24 ...	8.38	S 67 —38 E	8.50	S 70 —03 E	6.71	S 63 —15 E	6.74	S 71 —02 E	7.06	S 82 —11 E	6.77	S 66 —14 E	− 1.38	S 8 —20	24
Means...	10.07	S 72°—12′E	11.22	S 78°—32′E	8.87	S 69°—57′E	8.85	S 83°—07′E	7.83	N 89°—07′E	8.15	S 74°—34′E			Means.

TABLE XVI

MEAN DAILY AND MONTHLY NORTH AND EAST COMPONENTS OF THE WIND IN 1885.

Months.	January.		February.		March.		April.		May.		June.		Months.
Days.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	Days.
1st	+ 0.60	+ 12.09	− 7.16	+ 7.23	− 1.79	+ 1.25	− 1.21	+ 1.20	− 8.57	+ 14.49	− 0.44	+ 2.38	1st
2nd	+ 2.71	+ 10.57	− 6.21	− 4.52	− 2.78	+ 9.87	− 3.20	+ 3.68	− 2.86	+ 12.82	− 9.57	+ 5.39	2nd
3rd	+ 4.40	+ 3.05	− 0.44	− 7.36	− 4.23	+ 9.55	− 3.88	+ 6.66	− 4.50	+ 7.35	− 8.40	+ 9.07	3rd
4th	+ 2.32	+ 2.68	− 0.82	− 2.55	− 8.02	+ 5.92	− 5.89	+ 6.43	− 5.36	+ 3.88	− 5.87	+ 9.71	4th
5th	+ 5.41	+ 2.56	− 2.30	+ 4.22	− 6.43	+ 5.49	− 2.22	− 0.90	− 10.60	+ 2.82	− 6.37	+ 11.01	5th
6th	+ 6.42	+ 4.82	+ 3.82	+ 9.86	+ 0.28	+ 0.06	− 0.54	− 0.81	− 11.62	+ 2.34	− 1.47	+ 12.12	6th
7th	+ 2.61	+ 4.40	+ 0.87	+ 11.77	− 2.25	+ 1.25	+ 3.76	+ 1.85	− 9.25	+ 3.86	− 4.15	+ 13.05	7th
8th	+ 0.96	+ 8.35	+ 1.76	+ 11.87	+ 1.40	+ 4.80	− 0.62	+ 6.18	− 10.08	+ 5.36	− 5.81	+ 11.59	8th
9th	+ 2.47	+ 8.94	+ 1.07	+ 12.99	+ 2.89	− 2.14	− 2.09	+ 5.70	− 7.89	+ 7.97	− 5.70	+ 13.92	9th
10th	+ 0.75	+ 8.84	− 1.23	+ 10.70	− 1.43	− 3.57	− 1.92	+ 7.12	− 6.60	+ 6.58	− 5.12	+ 18.66	10th
11th	+ 0.52	+ 9.02	− 2.65	+ 11.08	− 4.14	+ 4.81	− 0.27	+ 6.56	− 4.30	+ 9.97	− 1.22	+ 12.58	11th
12th	+ 2.00	+ 6.12	− 1.90	+ 6.85	− 8.45	+ 11.80	− 0.77	+ 3.78	− 6.13	+ 8.86	− 1.71	+ 11.05	12th
13th	+ 1.31	+ 6.65	+ 0.55	+ 6.50	− 8.83	+ 12.50	− 3.39	+ 3.93	− 5.69	+ 8.07	− 2.47	+ 8.65	13th
14th	+ 1.79	+ 7.83	− 1.28	− 1.02	− 0.80	+ 11.18	− 1.66	+ 7.24	− 4.00	+ 13.77	− 3.66	+ 8.05	14th
15th	− 1.06	+ 8.58	− 0.10	+ 3.24	− 2.63	+ 10.98	− 0.82	+ 9.88	− 5.63	+ 10.58	− 4.10	+ 7.37	15th
16th	− 2.09	+ 2.55	− 4.01	+ 3.78	− 2.27	+ 12.00	− 5.54	+ 9.92	− 6.70	+ 5.43	− 8.07	+ 7.52	16th
17th	− 2.92	+ 2.46	− 2.07	+ 0.81	− 1.74	+ 11.86	− 1.82	+ 9.04	− 4.20	− 5.31	− 7.82	+ 12.47	17th
18th	− 9.65	+ 14.73	+ 0.80	+ 7.55	+ 0.25	+ 11.06	− 2.17	+ 9.90	+ 7.23	+ 1.70	− 7.21	+ 11.30	18th
19th	+ 3.15	+ 21.63	+ 1.42	+ 10.10	+ 1.45	+ 9.34	− 2.15	+ 8.13	+ 0.69	+ 9.36	− 5.88	+ 11.07	19th
20th	+ 7.57	+ 13.23	− 2.41	+ 12.35	+ 1.56	+ 9.15	− 2.85	+ 7.34	− 0.02	+ 9.50	− 1.82	+ 7.26	20th
21st	+ 3.00	+ 8.44	+ 1.87	+ 9.64	− 0.13	+ 7.27	− 2.37	+ 6.12	− 0.57	+ 8.54	− 4.69	+ 3.61	21st
22nd	+ 1.30	+ 8.90	+ 0.15	+ 9.06	− 0.43	+ 6.41	− 2.07	+ 1.90	− 4.60	+ 8.71	− 9.58	+ 9.43	22nd
23rd	+ 2.75	− 6.09	− 0.27	+ 11.96	− 1.86	+ 3.50	− 4.00	+ 1.28	− 2.99	+ 10.97	− 7.08	+ 4.50	23rd
24th	+ 11.81	− 2.07	+ 2.34	+ 11.55	− 0.03	+ 4.94	− 5.52	+ 6.45	− 2.57	+ 6.22	− 5.88	+ 3.07	24th
25th	+ 11.70	− 2.97	+ 3.62	+ 6.41	− 1.57	+ 1.43	− 3.05	+ 6.96	− 1.12	+ 6.37	− 5.41	+ 5.45	25th
26th	+ 5.79	− 3.77	+ 0.10	+ 7.65	− 1.36	+ 3.24	− 0.40	+ 2.40	+ 1.17	+ 2.66	− 8.91	+ 6.24	26th
27th	+ 2.94	+ 0.36	+ 0.88	+ 8.05	− 1.71	+ 8.41	+ 1.52	+ 0.93	+ 1.64	− 0.19	− 8.51	+ 8.69	27th
28th	− 1.52	+ 1.76	− 0.28	+ 1.92	− 1.25	+ 8.87	− 2.10	+ 0.82	− 2.08	− 0.27	− 5.67	+ 11.12	28th
29th	− 2.36	+ 7.65	.....	.....	+ 2.55	+ 7.70	− 12.11	+ 7.85	− 6.72	+ 7.44	− 6.77	+ 13.86	29th
30th	− 2.06	+ 6.71	.....	.....	+ 2.12	+ 7.04	− 12.02	+ 11.62	− 3.79	+ 8.99	− 4.47	+ 11.38	30th
31st	− 3.79	+ 3.93	.....	.....	+ 3.26	+ 1.62	.....	.....	− 0.89	+ 8.40	.....	.....	31st
Means	+ 1.90	+ 5.87	− 0.50	+ 6.49	− 1.56	+ 6.37	− 2.71	+ 5.31	− 4.15	+ 6.68	− 5.46	+ 9.39	Means.

TABLE XVI.—*(Continued.)*

MEAN DAILY AND MONTHLY NORTH AND EAST COMPONENTS OF THE WIND IN 1885.

Months.	July.		August.		September.		October.		November.		December.		Months.
Days.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	Days.
1st	− 0.58	+ 9.43	− 4.35	+ 13.20	− 6.00	+ 17.73	− 1.06	+ 1.21	− 6.62	+ 14.05	+ 0.88	+ 9.92	1st
2nd	− 2.02	+ 12.76	− 0.93	+ 16.35	− 1.23	+ 19.65	− 9.48	+ 15.86	− 5.87	+ 13.53	− 1.85	+ 9.52	2nd
3rd	− 1.28	+ 9.22	− 1.65	+ 11.65	− 3.09	+ 18.21	− 6.87	+ 11.21	− 4.85	+ 6.59	0.00	+ 10.93	3rd
4th	− 3.51	+ 7.87	+ 2.10	+ 9.65	− 4.02	+ 14.05	− 8.19	+ 10.40	− 3.52	+ 1.66	− 0.70	+ 11.07	4th
5th	− 0.70	+ 7.96	+ 6.64	+ 6.51	− 1.05	+ 10.89	− 3.62	+ 0.60	− 9.20	+ 13.65	+ 0.76	+ 8.06	5th
6th	− 2.01	+ 6.52	+ 2.37	+ 3.89	− 0.74	+ 11.45	− 1.52	+ 2.26	− 6.12	+ 10.69	− 1.61	+ 10.52	6th
7th	− 1.45	+ 3.89	− 1.53	+ 7.70	− 2.49	+ 7.53	− 3.20	+ 2.60	− 3.08	+ 4.06	− 3.12	+ 12.70	7th
8th	− 7.19	+ 3.32	− 1.90	+ 11.02	− 4.79	+ 12.00	− 4.29	+ 6.86	− 2.98	+ 5.30	− 1.76	+ 13.70	8th
9th	− 11.90	+ 4.60	− 3.32	+ 11.82	− 4.57	+ 8.02	− 3.49	+ 9.20	− 1.01	+ 6.92	− 3.55	+ 17.93	9th
10th	− 8.73	+ 6.35	− 4.07	+ 13.29	− 1.28	+ 8.26	− 3.84	+ 8.59	+ 0.11	+ 8.97	− 6.26	+ 16.50	10th
11th	− 5.54	+ 5.82	+ 0.85	+ 11.60	− 5.57	+ 8.61	− 4.77	+ 14.52	− 1.39	+ 10.03	− 7.26	+ 14.19	11th
12th	− 2.61	+ 8.08	+ 2.52	+ 6.07	− 2.72	+ 11.67	− 6.79	+ 14.00	− 3.53	+ 10.59	− 11.70	+ 0.82	12th
13th	− 2.58	+ 8.73	− 1.81	+ 2.92	− 0.07	+ 8.97	− 5.01	+ 14.84	− 4.25	+ 10.85	+ 0.10	− 9.85	13th
14th	+ 1.47	+ 6 11	− 6.13	+ 7.62	+ 2.28	+ 10.44	− 0.42	+ 12.44	− 3.35	+ 10.46	+ 5.85	− 3.82	14th
15th	− 5.68	+ 8.94	− 6.91	+ 11.70	+ 1.30	+ 11.42	+ 2.02	+ 11.34	+ 0.93	+ 8.71	+ 4.93	− 2.11	15th
16th	− 3.07	+ 11.20	− 5.35	+ 11.31	+ 1.81	+ 11.33	− 0.41	+ 8.27	+ 3.22	+ 5.32	+ 1.60	+ 2.97	16th
17th	− 3.47	+ 8.49	− 1.61	+ 6.51	− 0.84	+ 9.01	− 1.75	+ 7.30	− 1.92	+ 4.47	+ 1.79	+ 7.03	17th
18th	− 3.71	+ 6.13	− 5.19	+ 3.79	− 3.07	+ 11.26	− 4.86	+ 7.78	+ 2.32	+ 10.58	− 3.56	+ 8.99	18th
19th	− 5.93	+ 6.24	− 9.38	+ 7.23	− 2.27	+ 9.55	− 5.35	+ 6.74	+ 3.06	+ 10.75	− 8.78	+ 16.63	19th
20th	− 10.91	+ 12.18	− 6.39	+ 10.30	+ 1.16	+ 7.49	− 5.70	+ 10.02	+ 2.35	+ 5.79	− 6.30	+ 18.55	20th
21st	− 5.70	+ 14.52	− 5.56	+ 9.71	− 0.27	+ 8.66	− 6.47	+ 11.92	+ 1.11	+ 8.57	− 1.25	+ 19.39	21st
22nd	− 3.19	+ 11.83	− 6 12	+ 12.10	− 4.26	+ 11.34	− 1.13	+ 10.97	− 2.17	+ 4.26	+ 3.82	+ 14.24	22nd
23rd	− 3.60	+ 8.45	− 5.30	+ 14.06	− 4.22	+ 11.44	+ 0.67	+ 12.79	+ 1.41	+ 7.42	+ 8.88	+ 17.59	23rd
24th	− 3.85	+ 3.86	− 5.02	+ 14.99	− 5.85	+ 11.25	+ 0.72	+ 9.76	+ 5.09	+ 5.35	+ 15.04	+ 15.42	24th
25th	− 3.97	+ 2.19	− 4.58	+ 12.25	− 5.42	+ 14.33	+ 5.40	+ 10.04	+ 3.87	+ 7.40	+ 13.25	+ 2.62	25th
26th	− 6.04	+ 9.32	− 5.22	+ 10.47	− 2.27	+ 15.07	+ 10.58	+ 2.72	− 0.46	+ 8.47	+ 6.29	− 4.31	26th
27th	− 7.27	+ 12.95	− 2.37	+ 10.07	− 2.01	+ 13.55	+ 5.37	− 6.60	+ 1.12	+ 11.45	+ 1.60	− 3.00	27th
28th	− 7.84	+ 14.84	− 0.43	+ 3.69	− 0.31	+ 10.11	− 7.97	+ 0.46	+ 2.12	+ 12.21	− 4.19	+ 3.81	28th
29th	− 4.86	+ 14.97	− 4.66	+ 3.55	− 3.80	+ 4.94	− 11.23	+ 9.09	+ 0.05	+ 13.66	− 0.66	+ 2.65	29th
30th	− 2.85	+ 10.62	− 3.72	+ 8.73	− 1.15	+ 1.72	− 5.99	+ 9.56	+ 1.68	+ 12.02	− 0.88	− 1.32	30th
31st	− 3.27	+ 10.42	− 6.40	+ 13.42	.....	.....	− 5.50	+ 11.40	.....	.....	+ 2.42	+ 1.49	31st
Means	− 4.32	+ 8.64	− 3.08	+ 9.59	− 2.23	+ 11.00	− 3.04	+ 8.33	− 1.06	+ 8.79	+ 0.12	+ 7.83	Means.

TABLE XVII

COMPUTED MEAN DAILY AND MONTHLY DIRECTION AND VELOCITY OF THE WIND IN 1885.

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 ...	12.11	N 87°—10′E	10.18	S 45°—17′E	2.18	S 34°—56′E	1.70	S 44°—46′E	16.84	S 59°—24′E	2.42	S 79°—32′E	1st
2nd ...	10.91	N 75 —37 E	7.68	S 36 —03 W	10.25	S 74 —16 E	4.88	S 48 —59 E	13.14	S 77 —25 E	10.98	S 29 —23 E	2nd
3rd ...	5.35	N 34 —44 E	7.37	S 86 —35 W	10.45	S 66 —07 E	7.71	S 59 —47 E	8.62	S 58 —31 E	12.36	S 47 —12 E	3rd
4th ...	3.54	N 49 —07 E	2.68	S 72 —10 W	9.97	S 36 —26 E	8.72	S 47 —31 E	6.62	S 35 —54 E	11.35	S 58 —51 E	4th
5th ...	5.98	N 25 —19 E	4.81	S 61 —25 E	8.46	S 40 —29 E	2.40	S 22 —04 W	10.97	S 14 —54 E	12.72	S 59 —57 E	5th
6th ...	8.03	N 36 —54 E	10.57	N 68 —49 E	0.29	N 12 —06 E	0.97	S 56 —19 W	11.85	S 11 —23 E	12.21	S 83 —05 E	6th
7th ...	5.12	N 59 —19 E	11.80	N 85 —46 E	2.57	S 29 —03 E	4.19	N 26 —12 E	10.02	S 22 —39 E	13.69	S 72 —22 E	7th
8th ...	8.40	N 83 —26 E	12.00	N 81 —34 E	5.00	N 73 —44 E	6.21	S 84 —16 E	11.42	S 28 —00 E	12.97	S 63 —23 E	8th
9th ...	9.27	N 74 —33 E	13.03	N 85 —17 E	3.60	N 36 —31 W	6.07	S 69 —52 E	11.21	S 45 —17 E	15.04	S 67 —44 E	9th
10th ...	8.87	N 85 —09 E	10.77	S 83 —26 E	3.85	S 68 —10 W	7.37	S 74 —55 E	9.32	S 44 —55 E	19.35	S 74 —39 E	10th
11th ...	9.03	N 86 —42 E	11.41	S 76 —17 E	6.35	S 49 —17 E	6.56	S 87 —39 E	10.86	S 66 —40 E	12.64	S 84 —28 E	11th
12th ...	6.44	N 71 —54 E	7.11	S 74 —30 E	14.52	S 54 —24 E	3.86	S 78 —29 E	10.77	S 55 —19 E	11.18	S 81 —12 E	12th
13th ...	6.78	N 78 —51 E	6.53	N 85 —10 E	15.31	S 54 —46 E	5.19	S 49 —13 E	9.87	S 54 —49 E	9.00	S 74 —04 E	13th
14th ...	8.03	N 77 —07 E	1.64	S 38 —33 W	11.21	S 85 —54 E	7.43	S 77 —05 E	14.34	S 73 —48 E	8.84	S 65 —33 E	14th
15th ...	8.64	S 82 —57 E	3.24	S 88 —14 E	11.29	S 76 —32 E	9.91	S 85 —15 E	11.99	S 61 —59 E	8.43	S 60 —55 E	15th
16th ...	3.30	S 50 —40 E	5.51	S 43 —19 E	12.21	S 79 —17 E	11.36	S 60 —49 E	8.62	S 39 —01 E	11.03	S 42 —59 E	16th
17th ...	3.82	S 40 —07 E	2.22	S 21 —22 E	11.99	S 81 —39 E	9.22	S 78 —37 E	6.77	S 51 —39 W	14.72	S 57 —54 E	17th
18th ...	17.61	S 56 —46 E	7.59	N 83 —57 E	11.06	N 88 —42 E	10.13	S 77 —38 E	7.43	N 13 —14 E	13.40	S 57 —28 E	18th
19th ...	21.37	N 81 —43 E	10.20	N 82 —00 E	9.45	N 81 —11 E	8.41	S 75 —11 E	9.38	N 85 —47 E	12.54	S 62 —01 E	19th
20th ...	15.24	N 60 —13 E	12.58	S 78 —57 E	9.28	N 80 —19 E	7.87	S 68 —47 E	9.50	S 89 —53 E	7.48	S 75 —56 E	20th
21st ...	8.96	N 70 —26 E	9.82	N 79 —01 E	7.27	S 88 —59 E	6.56	S 68 —50 E	8.56	S 86 —11 E	5.92	S 37 —35 E	21st
22nd ...	8.99	N 81 —41 E	9.06	N 89 —03 E	6.42	S 86 —10 E	2.81	S 42 —33 E	9.85	S 62 —10 E	13.44	S 44 —33 E	22nd
23rd ...	6.68	N 65 —42 W	11.96	S 88 —42 E	3.96	S 62 —01 E	4.20	S 17 —45 E	11.37	S 74 —45 E	8.39	S 32 —26 E	23rd
24th ...	11.99	N 9 —56 W	11.79	N 78 —33 E	4.94	S 89 —39 E	8.49	S 49 —27 E	6.73	S 67 —33 E	6.63	S 27 —34 E	24th
25th ...	12.07	N 14 —15 W	7.36	N 60 —33 E	2.12	S 42 —20 E	7.60	S 66 —20 E	6.47	S 80 —02 E	7.68	S 45 —13 E	25th
26th ...	6.91	N 33 —04 W	7.65	N 89 —15 E	3.51	S 67 —14 E	2.43	S 80 —32 E	2.91	N 66 —15 E	10.88	S 35 —00 E	26th
27th ...	2.96	N 6 —59 E	8.10	N 83 —46 E	8.58	S 78 —30 E	1.78	N 31 —27 E	1.65	N 6 —37 W	12.16	S 45 —36 E	27th
28th ...	2.33	S 49 —11 E	1.94	S 81 —42 E	8.96	S 81 —59 E	2.25	S 21 —20 E	2.10	S 7 —24 W	12.48	S 62 —59 E	28th
29th ...	8.00	S 72 —51 E	.....	.....	8.11	N 71 —41 E	14.43	S 32 —57 E	10.03	S 47 —55 E	15.43	S 63 —58 E	29th
30th ...	7.02	S 72 —56 E	.....	.....	7.35	N 73 —14 E	16.72	S 44 —02 E	9.76	S 67 —08 E	12.23	S 68 —33 E	30th
31st ...	5.46	S 46 —02 E	.....	.....	3.64	N 26 —25 E	.....	.....	8.45	S 83 —57 E	.....	.....	31st
Means ...	6.17	N 72°—04′E	6.51	S 85°—36′E	6.56	S 76°—14′E	5.96	S 62°—58′E	7.86	S 58°—09′E	10.86	S 59°—49′E	Means.

TABLE XVII.—*(Continued.)*

COMPUTED MEAN DAILY AND MONTHLY DIRECTION AND VELOCITY OF THE WIND IN 1885.

Months.	July.		August.		September.		October.		November.		December.		Months.
Days.	Velocity in miles per hour.	D rection.	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 ...	9.45	S 86°—29′E	13.90	S 71°—46′E	18.72	S 71°—18′E	1.61	S 48°—47′E	15.53	S 64°—46′E	9.96	N 84°—56′E	1st
2nd ...	12.92	S 81 —00 E	16.38	S 86 —45 E	19.69	S 86 —25 E	18.48	S 59 —08 E	14.75	S 66 —33 E	9.70	S 79 —00 E	2nd
3rd ...	9.31	S 82 —06 E	11.77	S 81 —56 E	18.47	S 80 —22 E	13.15	S 58 —30 E	8.18	S 53 —39 E	10.93	East	3rd
4th ...	8.62	S 65 —58 E	9.87	N 77 —43 E	14.61	S 74 —02 E	13.24	S 51 —47 E	3.89	S 25 —15 E	11.09	S 86 —23 E	4th
5th ...	7.99	S 84 —58 E	9.30	N 44 —26 E	10.94	S 84 —30 E	3.67	S 9 —25 E	16.46	S 56 —01 E	8.10	N 84 —37 E	5th
6th ...	6.82	S 72 —52 E	4.56	N 58 —39 E	11.47	S 86 —18 E	2.72	S 56 —05 E	12.32	S 60 —13 E	10.64	S 81 —18 E	6th
7th ...	4.15	S 69 —33 E	7.85	S 78 —46 E	7.93	S 71 —42 E	4.12	S 39 —06 E	5.10	S 52 —49 E	13.08	S 76 —12 E	7th
8th ...	7.92	S 24 —47 E	11.18	S 80 —13 E	12.92	S 68 —14 E	8.09	S 57 —59 E	6.08	S 60 —39 E	13.81	S 82 —41 E	8th
9th ...	12.76	S 21 —08 E	12.28	S 74 —19 E	9.23	S 60 —19 E	9.84	S 69 —14 E	6.99	S 81 —42 E	18.28	S 78 —48 E	9th
10th ...	10.80	S 36 —02 E	13.90	S 72 —58 E	8.36	S 81 —11 E	9.41	S 65 —55 E	8.97	N 89 —18 E	17.65	S 69 —13 E	10th
11th ...	8.04	S 46 —25 E	11.63	N 85 —49 E	10.25	S 57 —06 E	15.28	S 71 —49 E	10.13	S 82 —07 E	15.94	S 62 —54 E	11th
12th ...	8.49	S 72 —06 E	6.57	N 67 —27 E	11.98	S 76 —53 E	15.56	S 64 —08 E	11.16	S 71 —34 E	11.73	S 4 —01 E	12th
13th ...	9.10	S 73 —32 E	3.44	S 58 —12 E	8.97	S 89 —33 E	15.66	S 71 —21 E	11.65	S 68 —37 E	9.85	N 89 —25 W	13th
14th ...	6.28	N 76 —28 E	9.78	S 51 —11 E	10.69	N 77 —41 E	12.45	S 88 —04 E	10.98	S 72 —14 E	6.99	N 33 —09 W	14th
15th ...	10.59	S 57 —37 E	13.59	S 59 —26 E	11.49	N 83 —30 E	11.52	N 79 —54 E	8.76	N 83 —54 E	5.36	N 23 —10 W	15th
16th ...	11.61	S 74 —40 E	12.51	S 64 —41 E	11.47	N 80 —55 E	8.28	S 87 —10 E	6.22	N 58 —49 E	3.37	N 61 —41 E	16th
17th ...	9.17	S 67 —46 E	6.71	S 76 —07 E	9.05	S 84 —40 E	7.51	S 76 —31 E	4.86	S 66 —45 E	7.25	N 75 —43 E	17th
18th ...	7.16	S 58 —49 E	6.42	S 36 —08 E	11.67	S 74 —45 E	9.17	S 58 —00 E	10.83	N 77 —38 E	9.67	S 68 —24 E	18th
19th ...	8.61	S 46 —28 E	11.84	S 37 —37 E	9.82	S 76 —38 E	8.60	S 51 —34 E	11.18	N 74 —07 E	18.80	S 62 —10 E	19th
20th ...	16.35	S 48 —09 E	12.12	S 58 —11 E	7.58	N 81 —12 E	11.53	S 60 —22 E	6.25	N 67 —55 E	19.59	S 71 —14 E	20th
21st ...	15.60	S 68 —34 E	11.19	S 60 —12 E	8.66	S 88 —13 E	13.56	S 61 —30 E	8.64	N 82 —37 E	19.43	S 86 —19 E	21st
22nd ...	12.25	S 74 —55 E	13.56	S 63 —10 E	12.11	S 69 —25 E	11.03	S 84 —08 E	4.78	S 63 —00 E	14.74	N 74 —59 E	22nd
23rd ...	9.18	S 66 —55 E	15.03	S 69 —21 E	12.19	S 69 —45 E	12.81	N 87 —00 E	7.55	N 79 —14 E	19.71	N 63 —13 E	23rd
24th ...	5.45	S 45 —04 E	15.81	S 71 —29 E	12.68	S 62 —32 E	9.79	N 85 —47 E	7.38	N 46 —26 E	21.54	N 45 —43 E	24th
25th ...	4.53	S 28 —53 E	13.08	S 69 —30 E	15.32	S 69 —17 E	11.40	N 61 —44 E	8.20	N 61 —51 E	13.51	N 11 —11 E	25th
26th ...	11.10	S 57 —03 E	11.70	S 63 —30 E	15.24	S 81 —26 E	10.92	N 14 —25 E	8.48	S 86 —53 E	7.62	N 34 —25 W	26th
27th ...	14.85	S 60 —41 E	10 34	S 76 —45 E	13.70	S 81 —34 E	8.51	N 50 —52 W	11.50	N 84 —25 E	3.40	N 61 —56 W	27th
28th ...	16.78	S 62 —09 E	3.71	S 83 —21 E	10.12	S 88 —15 E	7.98	S 3 —18 E	12.39	N 80 —09 E	5.66	S 42 —17 E	28th
29th ...	15.74	S 72 —01 E	5.86	S 37 —18 E	6.23	S 52 —26 E	14.45	S 38 —59 E	13.66	N 89 —47 E	2.73	S 76 —01 E	29th
30th ...	10.99	S 74 —59 E	9.49	S 66 —55 E	2.07	S 56 —14 E	11.28	S 57 —56 E	12.13	N 82 —03 E	1.59	S 56 —19 W	30th
31st ...	10.92	S 72 —35 E	14.87	S 64 —30 E	.....	.....	12.66	S 64 —15 E	.....	.....	2.84	N 31 —37 E	31st
Means ...	9.66	S 63°—26′E	10.07	S 72°—12′E	11.22	S 78°—32′E	8.87	S 69°—57′E	8.85	S 83°—07′E	7.83	N 89°—07′E	Means.

TABLE XVIII

1876 — 1885.

MEAN MONTHLY NORTH AND EAST COMPONENTS OF THE WIND.

Months.	Monthly Means.		Variation from Mean of Year.	
	N.	E.	N.	E.
January	+ 0.28	+ 8.61	+ 2.79	— 0.70
February.....	— 1.69	+ 8.47	+ 0.82	— 0.84
March	— 1.41	+ 7.60	+ 1.10	— 1.71
April	— 3.05	+ 8.57	— 0.54	— 0.74
May	— 3.80	+ 8.37	— 1.29	— 0.94
June	— 5.06	+ 9.46	— 2.55	+ 0.15
July	— 4.90	+ 10.37	— 2.39	+ 1.06
August	— 4.02	+ 10.82	— 1.51	+ 1.51
September	— 3.38	+ 10.58	— 0.87	+ 1.27
October	— 2.22	+ 9.98	+ 0.29	+ 0.67
November	— 1.07	+ 9.39	+ 1.44	+ 0.08
December	+ 0.21	+ 9.52	+ 2.72	+ 0.21
Means	— 2.51	+ 9.31		

TABLE XIX

1876 — 1885.

COMPUTED MEAN MONTHLY DIRECTION AND VELOCITY OF THE WIND.

Months.	1876 — 1885. Monthly Means. Velocity. Miles per hour.	1876 — 1885. Monthly Means. Direction.	1885. Monthly Means. Velocity. Miles per hour.	1885. Monthly Means. Direction.	1885. Deviation from Average. Velocity. + = Above. − = Below.	1885. Deviation from Average. Direction. N = North. S = South.
January	8.61	N 88°—08′E	6.17	N 72°—04′E	— 2.44	N 16°—04′
February	8.64	S 78 —43 E	6.51	S 85 —36 E	— 2.13	N 6 —53
March	7.73	S 79 —29 E	6.56	S 76 —14 E	— 1.17	S 3 —15
April	9.10	S 70 —25 E	5.96	S 62 —58 E	— 3.14	S 7 —27
May	9.19	S 65 —35 E	7.86	S 58 —09 E	— 1.33	S 7 —26
June	10.73	S 61 —52 E	10.86	S 59 —49 E	+ 0.13	S 2 —03
July	11.47	S 64 —43 E	9.66	S 63 —26 E	— 1.81	S 1 —17
August	11.54	S 69 —37 E	10.07	S 72 —12 E	— 1.47	N 2 —35
September	11.11	S 72 —17 E	11.22	S 78 —32 E	+ 0.11	N 6 —15
October	10.22	S 77 —28 E	8.87	S 69 —57 E	— 1.35	S 7 —31
November	9.45	S 83 —30 E	8.85	S 83 —07 E	— 0.60	S 0 —23
December ...—	9.52	N 88 —44 E	7.83	N 89 —07 E	— 0.69	N 0 —23
Means	9.64	S 74°—55′E	8.15	S 74°—34′E	— 1.49	S 0°—21′

TABLE XX

THUNDER AND LIGHTNING.

Months.	Days.	
January	6	In evening, lightning at N.Wrd. and distant thunder at Nrd. at 11 p.m.
"	7	In early morning, thunder and lightning at Nrd., N. Erd., overhead and S. Erd. Between 8.40 a.m. and 0.25 p.m., distant peals of thunder at long intervals at Nrd.
"	8	Between 1.20 and 2 p.m., distant peals of thunder at S. S. Wrd. and between 5 and 7 p.m., much thunder at S. Erd. and Erd. In evening, lightning at S. Wrd. and N. Erd.
"	18–19	Between 8 p.m. and 3 a.m., lightning chiefly at Nrd.
"	24	At 5.30 p.m., distant thunder at Wrd. and between 6 and 7.45 p.m., at Wrd. and S. Wrd. In evening, lightning at S. Wrd.
"	27	At 0.26 p.m., thunder began at Srd. and between 2.25 and 3.15 p.m., constant thunder at Srd., S. Wrd. and nearly overhead.
"	28	At 1.30 p.m., thunder at Srd.
"	31	In evening, lightning at S. Wrd. at long intervals.
February	4	At 1.30 p.m., distant thunder at Srd.
"	5	Between 0.43 and 0.50 p.m., distant thunder at E.N.E.
"	5–6	At 6.55 p.m., thunder began at E. S. Erd.; at 7.15 p.m., thunder nearer with lightning. Between 7.20 and 9.30 p.m., a thunder-storm; very loud thunder in all directions, but chiefly at Srd. and overhead, with constant broad and vivid flashes of lightning lasting about 10 seconds. After 9.30 p.m. and during the night, thunder was heard at Srd.
"	6	In evening, lightning at S. Wrd. and Nrd.
"	11	In evening, much sheet lightning at Nrd.
"	12	At 2.48 p.m., thunder at Srd. In evening, much lightning at Nrd. and from Srd. to S. Erd. At 7.30 and 9.30 p.m., thunder at E. S. Erd.
"	13	Between 2.12 and 3.25 p.m., thunder at S. Wrd., Srd. and W. S. Wrd. In evening, lightning at N. Erd. and Wrd.
"	17	At 9 p.m., thunder and lightning at N. Erd.
"	18	Thunder at N. Erd. at 3 a.m., at Moka. Between 2.35 and 2.40 p.m., thunder at E. S. Erd. and thunder and lightning at S. Wrd. early in evening.
"	19	In evening, sheet lightning at Nrd.
"	20	In evening, lightning at Nrd.
"	21	At 2.25 p.m., distant thunder at S. Erd. In evening, lightning at Nrd.; at 9.40 p.m., thunder and lightning at N. Erd. and later on distant thunder and lightning at Nrd.

TABLE XX.—(*Continued.*)

THUNDER AND LIGHTNING.

Months.	Days.	
February	23	Late in evening, lightning at Nrd.
"	24	During night, lightning at Srd.
March	9	During evening, thunder and lightning at W. N. Wrd., Wrd. and S. Wrd., and lightning from Nrd. round to Srd. (through West).
"	12	In evening, lightning from N. Erd. to N. Wrd. (through North).
"	13	During evening and night, much lightning at Nrd., Wrd. and S. Wrd., and distant thunder at N. Wrd. and Wrd.
"	14	In evening, lightning at Wrd. and W. S. Wrd.
"	21	At 3 p.m., thunder at Srd.
"	24	At 2.04 p.m., thunder at Srd. and in evening lightning at Srd.
"	26	Between 1.30 and 2.45 p.m., thunder at Srd., and S. S. Erd. to nearly overhead.
April	7	At 7.20 p.m., lightning at Wrd. at Moka.
"	8	Thunder commenced at midnight at Wrd. In early morning, thunder and lightning at Nrd., N. Wrd., Wrd. and overhead. Between 0.41 and 1 p.m., thunder at Srd. In evening, lightning at N. Erd.
"	9	Between 0.20 and 6 p.m., thunder at S. Wrd., Srd., S. Erd. and Nrd. to overhead. Distant thunder with lightning at Wrd. till 7.25 p.m.
"	12	Between 1.30 and 2 p.m., thunder at Srd.
"	17	In evening, lightning at Wrd., Nrd. and N. Erd.
May	13	During evening and night, lightning on E. S. Ern. and Srn. horizon. Constant flickerings, with some broad flashes.
"	14	At 1.30 a.m., distant thunder heard at Moka.
"	14–15	From 6.30 p.m., during evening, night and morning, much lightning at Srd., E. S. Erd. and N. Erd. ; chiefly at E. S. Erd., where there were constant flickerings, with distant thunder.
"	15	Between 6 and 10.10 a.m., thunder at E. S. Erd., S. Wrd., N. Erd. and Srd., and during evening and night, thunder and lightning at S. Erd. and N. Erd.
"	16	At 0.35 p.m., thunder at N. Erd.
August	5–6	From 7.30 p.m. and during evening and night, distant thunder and lightning at W. S. Wrd., S. Wrd. and N. Erd. It is reported that lightning was seen and thunder heard at Beau Bassin and Trianon Estate (Plaines Wilhems) and thunder heard at Curepipe and Savanne.
December	12	From 7.30 to 8.30 p.m., sheet lightning at Srd.
"	22	Between 5.30 and 7.20 a.m., distant thunder at E. N. Erd. and Erd.

TABLE XXI

MEANS AND EXTREMES OF THE PRINCIPAL ELEMENTS IN 1885 AND FOR THE PERIOD 1875 — 85.

Elements.	1885.	1875—85.
Mean Atmospheric Pressure (Red. to sea-level·)	30.069 inches	30.081 inches.
Highest „ „	30.397 „ Aug. 23 ...	30.468 „ June 20, 1877.
Lowest „ „	29.663 „ Dec. 12 ...	29.032 „ March 21, 1879.
Mean Temperature in shade	73.°6	73.°9.
Highest „ „	86.°7 Feb. 1	88.°8 January 6, 1878.
Lowest „ „	57.°4 July 25	54.°1 August 22, 1884.
Mean Temperature of Evaporation	68.°5	68.°5.
Highest „ „	79.°5 Jan. 25 & 26 ...	81.°3 March 10, 1878.
Lowest „ „	53.°8 July 25	51.°6 August 22, 1884.
Mean Dew Point	64.°9	64.°7.
Highest „	76.°5 Jan. 25	76.°9 February 20, 1876.
Lowest „	50.°8 July 25	46.°8 September 5, 1880.
Mean Vapour-Tension	.625 inch	.620 inch.
Highest „	.914 „ Jan. 25 ...	.926 „ February 20, 1876.
Lowest „	.374 „ July 10 & 25	.320 „ September 5, 1880.
Mean Relative Humidity	75.1 (Saturation=100)...	73.6 (Saturation=100).
Highest „	94.7 Jan. 21	95.3 December 23, 1881.
Lowest „	44.6 Nov. 14	38.4 October 31, 1878.
Mean hourly Velocity of Wind	10.4 miles	11.6 miles (Mean for 10 years).
Greatest „ „	29.0 „ Sept. 2 ...	80.3 „ March 21, 1879.
Rainfall...	44.61 inches	48.10 inches.
Number of days on which rain fell	200	199.
Greatest fall in 24 hours	2.71 inches May 2 ...	11.24 inches, May 7, 1884.
Number of days of Thunder and Lightning.	42	32.

TABLE XXII

MEAN MONTHLY MAXIMUM AND MINIMUM TEMPERATURE AT FOUR STATIONS IN THE INTERIOR OF THE ISLAND IN 1885.

Districts.	Pamplemousses.		Moka.		Plaines Wilhems.			
Approximate height above sea-level ...	Botanical Gardens, 225 feet.		Lynnwood, 1050 feet.		Beau Séjour, 960 feet.		Nursery Gardens Curepipe, 1830 feet.	
Months.	Mean Max.	Mean Min.	Mean Max.	Mean Min.	Mean Max.	Mean Min.	Mean Max.	Mean Min.
January	85°.2	72°.2	81°.0	68°.7	80°.3	72°.1	.....	.....
February	87.4	72.4	82.6	69.0	82.3	72.9	.....	.....
March	85.7	71.1	80.8	67.6	80.9	71.5	.....	.....
April	85.1	69.9	79.0	66.5	80.6	70.1	.....	.....
May	79.2	66.7	74.9	65.8	77.1	66.1	.....	.....
June	75.1	62.5	70.7	62.6	73.5	63.2	.....	.....
July	74.2	61.9	68.5	61.2	72.8	61.7	.....	.....
August	76.0	62.0	71.2	62.5	73.1	63.2	.....	.....
September	77.5	63.4	72.8	63.8	74.0	64.0	.....	.....
October.....	81.7	62.2	73.8	65.0	74.4	64.6	71.5	58.2
November...	84.9	64.0	78.0	66.6	76.8	66.8	73.4	61.0
December...	85.0	70.7	79.7	71.4	79.5	71.4	76.2	66.7
Means	81.4	66.6	76.1	65.9	77.1	67.3	.....	.....

TABLE XXIII

ABSOLUTE MAXIMUM AND MINIMUM TEMPERATURES AT THE SAME FOUR STATIONS IN THE INTERIOR OF THE ISLAND IN 1885.

Districts.	Pamplemousses.		Moka.		Plaines Wilhems.			
	Botanical Gardens.		Lynnwood.		Beau Séjour.		Nursery Gardens, Curepipe.	
Months.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.	Maximum.	Minimum.
January	90°.2	67°.7	84°	65°	84°	68°	.....	.....
February	89.7	68.4	85	62	85	70	.....	.....
March	87.8	67.3	82	65	83	68	.....	.....
April	87.3	65.6	82	62	83	66	.....	.....
May	85.3	59.4	79	59	82	61	.....	.....
June	78.4	54.6	75	56	79	59	.....	.....
July	77.4	55.6	73	52	77	52	.....	.....
August	79.2	55.7	75	59	76	58	.....	.....
September	80.6	57.5	76	60	77	60	.....	.....
October.....	83.2	56.2	78	60	78	59	74°	50°
November...	87.0	54.8	82	59	81	59	76	54
December...	88.0	66.0	82	67	83	67	81	63
Means	84.5	60.7	79.4	60.5	80.7	62.2	.....	.....

TABLE XXIV.—SHOWING THE AMOUNT OF RAINFALL AND THE NUMBER OF DAYS ON WHICH RAIN FELL AT VARIOUS STATIONS IN MAURITIUS IN 1885.

Months.	Flacq.							
	Rigny. Dr. Bouchet.		Union. Ed. Carosin.		Etoile. E. de la Hogue.		Sans Souci. F. Montocchio.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	6.83	20	12.70	14	8.29	9	12.17	...
February	7.61	18	4.10	14	8.24	14	9.20	...
March	4.70	20	5.60	15	4.22	16	9.16	...
April	6.02	15	5.63	14	6.86	16	15.14	...
May.....	12.24	19	11.25	18	17.28	17	16.06	...
June	10.39	19	12.55	18	13.28	17	11.00	...
July.....	3.88	18	4.33	22	6.20	18	7.02	...
August	4.83	15	4.35	15	5.84	14	8.51	...
September	3.18	7	4.60	14	4.95	18	5.72	...
October	4.24	14	5.00	12	7.07	10	8.60	...
November	0.67	9	0.77	4	2.13	8	3.04	...
December	6.01	21	4.12	17	6.56	14	11.55	...
Fall in 1885	70.60	195	75.00	177	90.92	171	117.17	...
Fall in 1884	51.78	...	62.35	150	96.99	143	.....	...
Fall in 1883	85.63	...	.....	...	98.00	146	120.95	...
Fall in 1882	81.29	...	101.84	166	130.62	169	172.30	...
Fall in 1881	127.19	227	70.60	188	132.96	198	121.84	263
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...	92.59	238	74.36	194	109.90	165	133.06	...

TABLE XXIV.—SHOWING THE AMOUNT OF RAINFALL, &c.—(*Continued.*)

Months.	Rivière du Rempart.					
	Labourdonnais. H. Wiéhé.		St Antoine. E. de Chazal.		Poudre d'Or. E. de Chazal.	
	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	5.59	11	8.42	11	8.37	12
February	3.84	15	3.70	15	4.30	13
March	7.43	17	3.61	14	3.55	14
April	2.91	6	2.61	8	4.02	10
May	10.51	17	8.35	12	9.65	15
June	5.55	13	3.79	10	5.30	10
July	4.46	18	3.05	10	3.85	13
August.....	3.12	13	2.43	13	2.26	11
September	3.65	16	2.09	11	2.62	11
October	2.93	11	2.23	6	3.32	5
November	1.17	7	0.83	4	1.00	4
December...	6.28	12	3.80	14	4.95	9
Fall in 1885	57.44	156	44.91	128	53.19	127
Fall in 1884	56.36	119	40.45	117	42.17	108
Fall in 1883	70.08	147	59.63	130	58.47	128
Fall in 1882	75.98	139	66.72	141	69.16	133
Fall in 1881	55.62	155	44.50	145	42.76	93
Fall in 1880	40.79	155	31.87	121	39.46	125
Fall in 1879	62.80	159	42.99	125	.....	.....
Fall in 1878	52.86	131	45.40	129	.....	.....
Fall in 1877	103.34	163	84.12	170	.....	.....
Fall in 1876	70.60	142	43.81	.....	.....	.....
Fall in 1875	76.00	138	45.37	.....	.....	.....
Fall in 1874	64.48	105	56.41	.....	.....	.....
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	63.31	130	50.51	134	50.87	119

TABLE XXIV.—SHOWING THE AMOUNT OF RAINFALL, &c.—(*Continued.*)

Months.	Pamplemousses.							
	St André.	G. Couve.	Solitude.	G. Couve.	Observatory.*	C. Meldrum.	Botanical Gardens.	W. Scott.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	6.45	8	3.79	12	6.70	16	10.61	20
February	1.42	6	1.70	11	2.16	14	4.54	16
March...	3.73	8	3.38	13	5.73	15	8.10	21
April	2.07	5	2.58	5	1.41	12	3.90	23
May	5.24	11	4.80	14	7.40	17	16.65	26
June	3.40	8	3.00	11	4.36	22	9.72	22
July	2.18	7	1.83	15	2.18	21	4.54	23
August	1.76	3	2.36	10	2.76	19	6.18	19
September	2.89	10	2.08	9	3.59	21	6.41	22
October	1.61	3	1.13	5	1.57	13	3.11	20
November	1.30	2	0.99	3	1.59	10	2.99	15
December	5.42	9	4.42	16	5.16	20	8.93	18
Fall in 1885	37.47	80	32.06	124	44.61	200	85.68	245
Fall in 1884	39.37	76	.....	...	45.80	174	70.59	156
Fall in 1883	42.36	96	.....	...	47.69	180	69.90	179
Fall in 1882	48.18	115	.....	...	56.06	209	75.87	145
Fall in 1881	46.54	155	.....	...	45.32	219	62.35	144
Fall in 1880	27.53	146	.....	...	34.03	198	43.33	168
Fall in 1879	39.27	156	.....	...	49.16	205	59.23	177
Fall in 1878	38.04	136	.....	...	43.25	174	52.44	162
Fall in 1877	70.24	170	.....	...	71.36	225	87.69	186
Fall in 1876	36.44	182	.....	...	41 87	198	50.23	167
Fall in 1875	46.43	160	.....	...	49.98	212	56.05	186
Fall in 1874	55.39	138	.....	...	64.82	216	73.77	180
Fall in 1873	56.87	143	.....	...	75.54	219	81.39	164
Fall in 1872	38.76	133	.....	...	47.76	202	53.99	169
Fall in 1871	33.38	...	.....	...	42.62	182	55.57	155
Fall in 1870	41.48	...	.....	...	45.57	143	66.89	159
Fall in 1869	33.69	...	.....	...	54.57	120	64.97	117
Fall in 1868	63.07	...	.....	...	64.18	138	91.21	102
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	85.37	118
Fall in 1864	42.65	157	.....	...	24.15	138	51.56	111
Fall in 1863	64.27	197	.....	...	33.42	147	.....	...
Fall in 1862	41.84	141	.....	...	28.40	124	.....	...
Means...	45.31	141	.....	...	46.32	175	66.90	159

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

TABLE XXIV.—SHOWING THE AMOUNT OF RAINFALL, &c.—(*Continued.*)

Months.	Moka.							
	Alma.	E. Régnard.	Lynnwood.	W.H.B. Wilson.	Minissy.	L. Hardy.	The Bower.	C. F. Shand.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	14.66	18	9.66	16	12.87	14	9.48	25
February	8.97	20	6.41	19	8.33	14	6.02	25
March	11.90	21	7.55	24	8.34	12	7.96	28
April	5.73	13	6.75	19	4.01	11	5.68	24
May.....	10.35	22	3.55	18	3.73	13	3.49	27
June	13.91	23	5.40	21	5.40	11	4.71	26
July.....	5.79	25	3.16	25	2.75	14	3.01	30
August	8.66	20	3.83	19	4.54	10	3.87	28
September	6.40	24	2.18	19	1.81	8	1.98	28
October	7.63	19	1.87	16	2.04	6	1.94	27
November	4.01	18	2.56	12	1.78	5	2.63	26
December	13.47	24	7.26	23	9.85	16	6.53	29
Fall in 1885	111.48	247	60.18	231	65.45	134	57.30	323
Fall in 1884	118.35	233	66.13	216	*63.22	107	58.10	300
Fall in 1883	131.14	247	79.42	245	79.72	134	.....	...
Fall in 1882	140.66	255	80.81	253	79.09	131	.....	...
Fall in 1881	113.17	266	61.86	250	.....	...	.....	...
Fall in 1880	101.75	269	41.85	248	.....	...	.....	...
Fall in 1879	138.18	260	71.15	244	.....	...	.....	...
Fall in 1878	109.85	228	58.69	200	.....	...	.....	...
Fall in 1877	175.24	272	94.06	217	.....	...	.....	...
Fall in 1876	116.42	247	62.36	194	.....	...	.....	...
Fall in 1875	.....	...	.....	...	.....	...	.....	...
Fall in 1874	167.12	256	.....	...	.....	...	.....	...
Fall in 1873	134.46	245	.....	...	.....	...	.....	...
Fall in 1872	124.91	257	.....	...	.....	...	.....	...
Fall in 1871	.....	...	44.72	158	.....	...	.....	...
Fall in 1870	.....	...	50.64	170	.....	...	.....	...
Fall in 1869	.....	...	61.39	168	.....	...	.....	...
Fall in 1868	.....	...	115.32	191	.....	...	.....	...
Fall in 1867	.....	...	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	129.44	252	65.90	209	71.87	126	57.70	311

* On the 6th. May, the raingauge overflowed.

TABLE XXIV.—SHOWING THE AMOUNT OF RAINFALL, &c.—(*Continued*).

Months.	Plaines Wilhems.							
	Beau Séjour.	H. Stein.	Westra.	H. Wilson.	Trianon.	A. Régnard.	Phœnix.	A. Lenferna.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	8.82	18	11.69	...	8.39	16	12.86	17
February	6.87	15	5.37	...	4.88	14	5.50	15
March	9.25	21	9.72	...	7.56	23	10.42	19
April	6.33	19	8.06	...	6.04	20	6.53	15
May.....	2.93	15	5.98	23	3.15	20	4.73	18
June	4.86	15	8.18	23	5.25	22	6.52	21
July.....	2.34	14	4.90	...	2.59	25	4.70	21
August	3.47	13	5.25	...	3.98	19	4.75	19
September	0.81	9	2.64	...	1.40	21	2.24	18
October	1.58	9	3.11	...	1.80	17	2.57	14
November	2.33	9	2.93	...	1.57	13	2.56	11
December	6.05	19	8.41	...	5.68	23	7.76	22
Fall in 1885	55.64	176	76.24	...	52.29	233	71.14	210
Fall in 1884	60.69	153	53.79	...	54.75	200	62.17	186
Fall in 1883	77.84	180	78.60	251	71.04	212	79.53	201
Fall in 1882	71.60	184	84.91	294	63.18	176	79.39	220
Fall in 1881	60.44	195	69.57	270	47.78	231	58.90	223
Fall in 1880	43.43	204	57.20	264	36.90	240	50.31	...
Fall in 1879	62.89	190	*78.39	244	53.70	185	63.37	...
Fall in 1878	63.65	171	69.95	...	55.79	135	66.73	189
Fall in 1877	92.91	235	109.52	...	86.13	175	.....	...
Fall in 1876	58.29	207	69.68	...	64.09	171	.....	...
Fall in 1875	60.92	191	73.81	204	66.63	153	.....	...
Fall in 1874	110.36	201	103.09	175	102.41	...	.....	...
Fall in 1873	82.89	199	80.73	200	84.49	180	.....	...
Fall in 1872	62.68	184	73.16	197	62.70	181	.....	...
Fall in 1871	45.97	179	67.82	191	.....	...	.....	...
Fall in 1870	54.49	192	80.85	215	.....	...	.....	...
Fall in 1869	67.58	179	80.67	213	.....	...	.....	...
Fall in 1868	95.65	216	122.36	215	.....	...	.....	...
Fall in 1867	64.58	187	81.34	195	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	68.65	189	79.56	223	63.98	183	66.44	205

* On the 21st. March, the raingauge overflowed.

TABLE XXIV.—SHOWING THE AMOUNT OF RAINFALL, &c.—(*Continued.*)

Months.	Plaines Wilhems.—(*Continued.*)							
	Highlands.	D. Dalais.	La Marie.	C. F. Shand.	Henrietta.	C. F. Shand.	Nursery Gardens, Curepipe.	J. Horne.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	9.54	...	.....	...	8.65	15	13.15	12
February	7.89	...	.....	...	6.68	21	11.06	12
March	8.21	...	.....	...	11.92	25	19.72	16
April	4.67	...	.....	...	8.82	21	9.01	8
May	4.34	...	.....	...	7.41	25	9.83	17
June	5.22	...	.....	...	10.38	26	12.06	21
July	5.36	...	.....	...	6.26	26	6.29	17
August	3.89	...	.....	...	5.48	23	7.63	15
September	0.82	...	.....	...	3.20	22	6.30	19
October	1.06	...	.....	...	2.68	15	5.27	13
November	2.13	...	.....	...	2.92	13	4.92	8
December	7.01	...	.....	...	11.22	20	19.29	16
Fall in 1885	60.14	...	.....	...	85.57	252	124.53	174
Fall in 1884	.....	...	84.96	177	65.65	212	116.41	202
Fall in 1883	.....	...	105.87	209	85.03	260	117.69	304
Fall in 1882	.....	...	122.80	227	103.11	257	.....	...
Fall in 1881	.....	...	91.94	221	68.12	238	.....	...
Fall in 1880	.....	...	.....	...	.....	...	.....	...
Fall in 1879	69.82	177	.....	...	.....	...	.....	...
Fall in 1878	54.89	156	.....	...	.....	...	.....	...
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	82.13	190	101.39	208	81.50	244	119.54	227

TABLE XXIV.—SHOWING THE AMOUNT OF RAINFALL, &c.—(*Continued.*)

Months.	Grand Port.							
	Cluny.	T. Rousset.	Gros Bois.	E. de Robillard.	Beau Vallon.	A. de Rochecouste.	Joli Bois.	G. Perromat.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	9.63	18	5.98	11	10.36	11	6.32	13
February	10.95	20	4.75	12	4.50	18	7.60	14
March	15.96	20	9.70	20	2.87	18	9.84	21
April	12.41	16	12.79	14	6.01	14	14.74	15
May.....	21.17	16	12.39	15	7.30	17	16.17	18
June	9.87	11	10.89	18	6.97	21	12.68	21
July.....	5.92	18	5.73	15	4.36	21	6.69	18
August	8.62	13	3.20	8	4.07	17	5.17	13
September	7.23	21	3.50	12	1.67	16	4.53	16
October	5.92	12	3.89	9	2.50	13	4.45	16
November	3.30	11	2.97	6	0.77	5	4.83	7
December	11.67	18	6.70	15	2.80	16	7.89	16
Fall in 1885	122.65	194	82.49	155	54.18	187	100.89	188
Fall in 1884	117.40	193	80.96	129	55.34	178	104.15	163
Fall in 1883	119.09	210	102.14	142	67.78	184	109.23	156
Fall in 1882	181.18	188	126.40	148	95.24	229	.....	...
Fall in 1881	109.45	181	101.68	200	50.83	201	106.91	179
Fall in 1880	107.44	185	82.59	245	41.10	200	100.43	...
Fall in 1879	132.36	213	91.98	239	61.25	225	127.41	...
Fall in 1878	133.10	181	112.06	208	59.00	197	136.94	...
Fall in 1877	203.50	243	110.60	257	77.39	235	178.11	201
Fall in 1876	.....	...	74.45	241	50.90	213	97.74	160
Fall in 1875	.....	...	110.78	227	67.64	226	122.31	173
Fall in 1874	177.59	273	120.26	253	71.86	205	134.93	201
Fall in 1873	171.32	264	98.09	229	65.27	197	119.91	225
Fall in 1872	146.83	288	90.08	228	53.99	201	100.55	251
Fall in 1871	133.71	279	99.25	214	58.38	208	105.01	270
Fall in 1870	160.43	273	102.40	229	68.64	216	.....	...
Fall in 1869	129.37	290	94.77	212	69.94	233	.....	...
Fall in 1868	183.74	292	137.29	253	81.60	248	.....	...
Fall in 1867	141.05	269	83.69	216	61.05	233	.....	...
Fall in 1866	121.97	285	70.24	256	51.05	233	.....	...
Fall in 1865	192.45	292	135.21	259	100.84	242	.....	...
Fall in 1864	122.48	288	83.36	234	.....	...	.....	...
Fall in 1863	147.09	273	.....	...	.....	...	.....	...
Fall in 1862	122.54	261	.....	...	.....	...	.....	...
Means	144.40	246	99.58	217	64.92	214	117.47	197

TABLE XXIV.—SHOWING THE AMOUNT OF RAINFALL, &c.—(*Continued.*)

Months.	Grand Port.—(*Continued.*)										Savanne.			
	Riche-en-Eau.	L. de Rochecouste.	Deux Bras.	A. D. Gilmer.	Anse Jonchée.	H. Portal.	St Hubert.	H. Portal.	Astroea.	C. Barlow.	St Aubin.	E. Maingard.	L'Union.	J. Lemaire.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January...	9.92	19	7.26	...	10.83	12	15.58	20	8.41	20	2.18	10	2.07	4
February	7.58	24	8.70	...	6.28	13	12.04	21	8.19	18	4.86	12	2.87	7
March	7.44	20	9.66	...	4.61	17	16.52	24	11.02	22	5.71	19	6.52	13
April	8.44	17	10.52	...	10.06	12	17.80	17	10.18	16	6.24	14	4.16	13
May	11.35	25	12.04	...	18.08	14	20.58	24	13.76	22	9.87	19	10.43	14
June	9.92	24	10.63	...	10.26	15	16.54	21	11.77	22	9.51	20	10.88	22
July	5.60	26	6.18	...	5.38	16	8.16	27	6.91	25	4.96	19	3.19	11
August	5.16	19	6.01	...	2.78	9	8.90	20	6.93	17	5.67	17	6.62	13
September	4.61	21	4.37	...	2.70	10	7.60	20	5.35	23	1.66	9	2.45	16
October...	4.60	17	4.01	...	3.67	8	8.95	16	4.11	15	2.53	5	2.27	5
November	2.14	10	1.83	...	3.06	8	2.43	13	1.85	10	2.54	3	1.95	5
December	6.12	20	5.10	...	4.80	13	10.14	18	7.17	21	3.52	11	5.38	16
Fall in 1885	82.88	242	86.31	...	82.51	147	145.24	241	95.65	231	59 25	158	58.79	139
Fall in 1884	78.12	218	83.44	...	86.11	141	120.78	232	90.98	201	56.24	154	58.02	120
Fall in 1883	87.38	248	90.94	...	88.72	119	133.06	226	102.96	233	93.54	241	67.20	136
Fall in 1882	121.76	259	132.85	...	130.57	124	178.30	255	139.05	233	104.17	222	109.86	146
Fall in 1881	79.80	261	86.34	205	85.84	143	114.09	258	.....	...	76.51	247	58.27	124
Fall in 1880	67.06	247	72.72	227	72.92	139	98.86	218	.....	...	64.53	226	49.51	113
Fall in 1879	81.13	260	83.43	216	.....	...	.....	...	.....	...	75.26	226	57.14	107
Fall in 1878	86.60	221	.....	...	.....	...	.....	...	.....	...	92.58	195	76.00	124
Fall in 1877	.....	...	.....	...	.....	...	.....	...	.....	...	117.97	227	120.43	191
Fall in 1876	.....	...	.....	...	.....	...	.....	...	.....	...	67.92	196	71.35	112
Fall in 1875	.....	...	.....	...	.....	...	.....	...	.....	...	84.94	220	86.03	135
Fall in 1874	.....	...	.....	...	.....	...	.....	...	.....	...	88.68	215	94.31	110
Fall in 1873	.....	...	.....	...	.....	...	.....	...	.....	...	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	.....	...	.....	...	.....	...	.....	...	.....	...	71.66	229	.....	...
Fall in 1866	.....	...	.....	...	.....	...	.....	...	.....	...	70.51	245	.....	...
Fall in 1865	.....	...	.....	...	.....	...	.....	...	.....	...	115.60	251	.....	...
Fall in 1864	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1863	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1862	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...	.....	...
Means	85.59	244	90.86	216	91.11	135	131.72	238	107.16	224	83.70	221	75.35	131

TABLE XXIV.—SHOWING THE AMOUNT OF RAINFALL, &c.—(*Continued.*)

Months.	Savanne.—(*Continued.*)										Black River.			
	Colmar.	A. Hirth.	Fontenelle.	A. Hirth.	Riche Bois.	L. Nayl.	Bel Air.	J. Anderson.	Beau Champ.	M. Allan, M. Cassim & Co.	Chamarel.	L. Dupuvillon.	Bambous.	Ed. Nairac.
	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.
January	4.62	18	2.85	13	6.10	7	4.02	16	1.93	...	3.28	7	5.12	15
February	5.89	21	3.96	10	6.80	8	4.41	14	2.78	...	4.57	7	6.65	13
March	10.42	23	6.65	18	8.41	11	4.19	20	3.91	...	5.27	5	6.00	16
April	14.94	19	6.80	14	13.95	8	4.28	20	3.70	...	7.80	11	3.64	15
May	13.30	24	12.11	15	11.98	12	11.49	20	8.17	...	8.16	11	2.16	12
June	11.94	22	10.51	14	11.29	7	8.03	14	7.57	...	8.98	11	2.13	18
July	6.45	26	7.00	20	8.93	12	6.07	14	2.99	...	5.87	11	0.94	15
August	6.01	23	5.31	19	5.76	9	4.57	9	2.86	...	6.64	7	1.64	15
September	3.77	24	2.78	18	4.00	8	2.65	15	1.76	...	1.82	5	1.68	15
October	2.84	16	2.62	8	3.73	6	0.88	3	2.14	...	3.58	6	1.05	9
November	4.64	10	3.81	5	4.97	4	3.72	3	2.33	...	2.22	7	1.73	9
December	6.97	19	5.11	16	8.39	11	3.43	10	4.03	...	12.22	16	4.36	22
Fall in 1885	91.79	245	69.51	170	94.31	103	57.74	158	44.17	...	70.41	104	37.10	174
Fall in 1884	74.38	120	67.81	178	84.10	92	.....	...	.....	...	75.52	96	39.90	147
Fall in 1883	83.87	130	80.71	207	99.85	210	76.02	260	.....	...	77.33	115	.....	...
Fall in 1882	136.49	162	98.99	193	132.88	221	.....	...	.....	...	109.27	183	.....	...
Fall in 1881	89.48	145	72.69	213	92.94	...	.....	...	.....	...	79.86	165	.....	...
Fall in 1880	65.42	135	57.34	186	.....	...	.....	...	.....	...	59.95	205	.....	...
Fall in 1879	87.41	193	79.43	193	.....	...	71.66	276	.....	...	71.42	...	.....	...
Fall in 1878	109.64	180	88.55	183	.....	...	78.00	215	.....	...	75.33	...	.....	...
Fall in 1877	130.58	236	109.32	206	.....	...	107.62	278	.....	...	110.26	...	.....	...
Fall in 1876	74.92	210	67.21	197	.....	...	.....	...	.....	..	72.98	...	.....	...
Fall in 1875	109.90	201	85.84	190	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1874	99.74	219	93.16	180	.....	...	.....	...	.....	...	.....	...	.....	...
Fall in 1873	96.15	202	86.03	163	.....	...	.....	...	.....	...	.....	...	.....	...
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	96.19	196	81.28	189	100.82	156	78.21	237	.....	..	80.23	145	38.50	160

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.
4— 5	38°S	41°S	74°E	81°E	Faith, Hattonburn	N.W., S.W., S.	10
8—13	37 „	39 „	22 „	45 „	Vigilent, Ebenezer	N., W.N.W.	10
19—23	19 „	26 „	60 „	52 „	Isabelle, Vigilent, Castleton, &c.	S.S.E., S.E., E., E.N.E., N.E.	9
28—31	16 „	20 „	76 „	66 „	Victorine, Louis Eugène, &c....	S.E., E., N.E., N., N.W. ...	9
Feb.							
1— 4	20°S	26°S	76°E	54°E	Louis Eugène, &c.	E. to N.	10
9—12	36 „	35 „	64 „	70 „	Iris	N.E. b. N., N.N.E., S., E.S.E.	9
10—17	27 „	41 „	42 „	51 „	Sarah Smith, Malvina, Clan Maclean, &c.	S. W., S., S. E., E., N. E., N. N. E.	11
15—17	37 „	39 „	104 „	117 „	Swiftsure, Castleton	N., W.N.W., W., S.W. ...	11
28	33 „	.....	62 „	.....	Sarah Smith	E.N.E., N.E., N. ...	9
March							
1— 2	32°S	33°S	29°E	30°E	Zeroya	W., W.S.W., S.W. ...	9
16	29 „	.....	36 „	.....	Lavinia	N., S.W., S.S.W.	8
16—18	36 „	.....	117 „	118 „	Hattonburn	W.N.W., W., W.S.W. ...	9
19	9 „	10 S	92 „	90 „	S. S. Khedive	S.E., S.W., calm, N.N.W., N, N.E.	12
28—30	33 „	36 „	34 „	57 „	Zeroya, Rockhampton... ...	N.N.E., N.E., W.S.W., S. S.W.	9
April							
1— 6	34°S	36°S	29°E	33°E	Lavinia	E.S.E., S.S.E., S., S.S.W. ...	9
19—20	37 „	38 „	111 „	112 „	Cock o' the North	N.N.W., W., W.S.W. ...	9
20—25	35 „	44 „	8 „	80 „	Ballochmyle, Duntrune, Vellore	S., S.W., W., N.W., N. ...	10
24—28	7 „	11 „	87 „	84 „	Faith, Andaman	S.W., W., N.W., N.E., E., E.S.E.	9
29—30	39 „	43 „	44 „	61 „	Ballochmyle, Vellore	S.S.E., S., S.W., W. ...	10

XXV.

GALES AND HURRICANES IN THE INDIAN OCEAN IN 1885.

Barometer.		Remarks.	Barometer at Mauritius reduced to sea-level.		Temperature at Mauritius.		Wind at Mauritius.	
From	To		From	To	From	To	Direction.	Max. Velocity per hour.
Inches	Inches		Inches	Inches	Deg.	Deg.		Miles.
29.89	.....	Heavy Sly. gale, nasty cross sea.	29.963	29.985	83.4	69.2	Var. from E.S.E. & Nly.	15.1
29.65	29.90	Heavy squalls and rain. ...	30.042	29.951	84.6	72.2	S.E. to N.E.	17.7
30.23	29.85	Cyclone. Incessant rain, hove to.	29.956	29.837	83.2	72.3	E. to N.E., S., S.W., W., N.W. & N.	27.1
.....	.....	Cyclone. Torrential rain. ...	29.971	29.899	85.4	74.3	Variable	14.0
.....	.....	Cyclone...	29.780	29.919	86.7	72.0	S.E., S., S.W., W., W. N.W.	22.6
.....	.....	Sudden shift, heavy cross sea...	29.875	29.823	85.5	73.2	E., E. b. S., E.S.E., E.N.E.	19.4
30.24	29.65	Fierce gale, hove to, continual rain.	29.851	29.733	85.5	68.8	E.S.E., S.E., Wly., S. E., Nly., and var.	16.7
30.32	.....	Blowing with hurricane force, lost bulwarks, &c.	29.805	29.831	84.3	68.8	Var., E. b. N. to S. b. W., & var. on the 17th.	12.0
.....	.....	Heavy sea.	29.928	.....	83.0	.....	Var.	6.1
30.18	29.60	Heavy squalls and rain. ...	29.920	29.941	84.5	72.3	Var. & Ely.	19.4
30.20	.....	Hove to, heavy sea.	30.117	.....	83.4	.....	Ely.	19.9
29.96	30.37	Hard gale, hove to.	30.117	30.055	83.7	73.3	E. b. S., to E. b. N. ...	19.9
.....	28.50	Cyclone. Blowing one continual hurricane, lost boats, &c.	30.039	.....	84.0	72.7	E.S.E. to N.E. ...	16.2
29.60	29.92	Heavy rain and hail squalls. ...	30.000	29.974	83 5	74.4	E. b. S. to E.N.E. ...	16.2
30.50	29.86	Heavy sea.	30.014	29.945	83.4	68.1	Var., S.E., E.S.E., Wly.	15.1
.....	.....	Hard squalls and heavy sea. ...	29.980	29.968	82.4	70.0	E.S.E.	15.0
30.30	29.58	Very heavy gale, confused sea, heavy rain.	30.031	29.885	83.0	69.4	E.S.E., Nly., S.E., S., S. W., W.N.W., shift to S.E.	14.4
30.00	29.50	Hard gale, heavy cross sea. ..	30.031	29.908	81.4	65.0	E.S.E., S.E., N.E., N., S.E., Nly., & var.	13.5
30.40	30.25	Heavy cross sea.	29.994	30.002	81.6	73.2	S.S.E. & S.E. ...	22.5

TABLE

GIVING APPROXIMATELY THE DATES, LOCALITIES, &c., OF

Dates.	Localities. Latitude. From	Latitude. To	Longitude. From	Longitude. To	Vessels by which experienced.	Wind. Direction.	Wind. Max. Force.
May							Beaufort.
2— 3	33°S	.....	26°E	28°E	Florence, Osburgha	W.N.W., W., W.S.W. ...	9
4— 8	18 „	22°S	75 „	66 „	San Pietro, Iris, &c.	E. b. S., E.N.E., N.E., N., N.N.W.	9
9—22	31 „	40 „	13 „	46 „	Arestas, Francis L. Cooper, Merchantman, Florence &c....	All points	11
19—22	25 „	36 „	102 „	128 „	Ebenezer, Salado	N., W., W.S.W.	9
June							
1— 4	Gulf of Aden				H. M. S. Bacchante, S. S. Columbian, S. S. Diomed, S. S. Devonshire, &c.	All points	12
5—12	28°S	41°S	66°E	100°E	Hattonburn, Iris, Ebenezer, &c.	N.N.E., N.N.W., S.W., S., S.E.	11
9—10	17 N	.....	70 „	.....	Sir Lancelot	.....	11
12	31 S	.....	41 „	.....	F. L. Cooper, Levant	N.N.W., W.S.W., S.W. ...	9
14—21	11 N	19 N	92 „	83 „	Bride, Truth, Sierra Cordova, &c.	S. b. W., S.S.W., S.W, W., N.W.	10
17—22	34 S	42 S	75 „	113 „	Cock o' the North, Iris, &c. ...	N.E., N., N.W., W., S.W....	9
19—27	31 „	42 „	52 „	106 „	Cingalese, Glance, &c.... ...	N.W., W., S.W., S.S.W. ...	10
July							
4—10	37°S	45°S	105°E	120°E	Tynron, Cingalese, &c. ...	N.W., W., S.W., S., S.E. ...	9
8—19	36 „	40 „	30 „	57 „	Cochin, Belpore, Mangalore ...	N.N.W., W.S.W., S., S.E. & back to N.	10
16—21	29 „	37 „	20 „	35 „	John o' Gaunt, Ruth Topping, &c.	N.N.E., N., N.W., W., S.W.	10
24—28	13 N	18 N	90 „	82 „	Bride, Isabelle, Truth	S.S.W., S.W. & W.S.W. ...	10
30—31	36 S	.....	112 „	.....	Elizabeth	N.W., S.W.	9
August							
3— 4	31°S	32°S	109°E	110°E	Elizabeth	W.S.W., N.W.	9
6—14	30 „	38 „	24 „	65 „	Rosedale, Empreza, Levant, County of Carnavon, &c.	N.N.E., N., N.W., W., S.W.	10
21—27	29 „	37 „	19 „	41 „	Kaffir Chief, S.S. Duart Castle, May, &c.	E.N.E., N.E., N., N.W., W., S.W., S., S.E.	11

XXV.—*(Continued.)*

GALES AND HURRICANES IN THE INDIAN OCEAN IN 1885.

Barometer.		Remarks.	Barometer at Mauritius reduced to sea-level.		Temperature at Mauritius.		Wind at Mauritius.	
From	To		From	To	From	To	Direction.	Max. Velocity per hour.
Inches	Inches		Inches	Inches	Deg.	Deg.		Miles.
.....	.....	Hove to, bad cross sea... ...	29.991	29.970	81.6	72.2	E. b. S., E.S.E. ...	20.1
30.04	29.87	Thunder and lightning and continual rain.	30.022	29.925	82.6	69.7	S.E., S.S.E., S.E. ...	21.2
30.70	29.06	Blowing a hurricane, mountainous sea, lost sails, &c.	29.944	30.149	80.4	64.4	S.Ely., to the 16th., then S., S.W., W. & N., back to E.&E.S.E.	23.2
30.10	29.70	Heavy sea, vivid lightning. ...	29.944	30.149	80.4	64.4	E., E. b. S., & E.S.E. ...	17.4
29.98	29.05	Cyclone. Blowing a complete hurricane, lost sails, boats, masts, &c.	30.063	30.095	79.2	65.3	Var. from E.S.E. & N. on the 1st., then S.Ely.	18.9
30.53	29.50	Blowing a perfect hurricane, lost sails, &c.	30.082	30.208	78.2	65.3	S.E., E.S.E. & Ely. ...	28.9
.....	.....	Cyclone, hove to, lost sails, boats, &c.	30.147	30.208	76.0	68.3	E. b. S.	28.9
30.12	30.32	Heavy sea, squalls and rain. ...	30.159	.....	76.4	65.3	E.S.E., E.	19.5
29.80	29.50	Furious gale, hurricane squalls thunder and lightning.	30.198	30.317	77.0	59.8	S.E., E.S.E. & E. & on the 21st. S.E., S.W., W., N.E., & back to S.E.	26.8
30.27	29.89	Furious gale, lost bulwarks, &c.	30.317	30.245	75.8	59.8	S.E., E.S.E., E., & on 21st., S.E., S.W., W., N., N.E, back to S.E.	26.8
30.00	29.80	Blowing with terrific force. ...	30.311	30.208	75.8	59.8	Do. do. & S.Ely. to the 27th.	22.1
29.17	30.20	Hove to, vivid lightning. ...	30.269	30.130	75.3	59.0	E.S.E., E. & var., then S., S.S.E. & S.E.	24.1
30.30	29.70	Terrific gale, heavy thunder, lightning, rain and hail squalls.	30.130	30.223	76.4	59.0	S., S.E., E.	24.1
30.58	29.95	Violent gale, mountainous sea...	30.165	30.319	76.2	64.4	E., E.S.E., S.E., S., S. b. W. & E.S.E.	24.5
29.92	29.95	Hurricane squalls.	30.181	30.257	74.2	57.4	S.E., Sly., var., E.S.E.	24.3
29.60	.....	Heavy sea, hard squalls. ...	30.199	30.187	74.5	63.1	E.S.E., E. b. S. ...	24.0
29.80	30.00	Violent squalls....	30.137	30.026	76.0	64.3	E.S.E. to E.N.E. ...	23.3
30.42	29.65	Violent gale, fearful sea, and hail squalls.	30.218	30.083	76.5	64.7	Var. from Nrd. to Erd. to the 13th., then S. Ely.	22.8
30.65	29.60	Blowing with hurricane force, dreadful sea, lightning.	30.355	30.197	77.2	64.3	E.S.E. to E.	24.5

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.
Sept.							Beaufort.
3— 6	32°S	39°S	22°E	34°E	Claudia, Crystal, &c.	S.E. to E. & N.E.	11
9—11	36 „	37 „	115 „	.....	Hattonburn	S.W., W., W.S.W. ...	9
10—11	35 „	39 „	31 „	42 „	Nyverheid, Claudia, &c. ...	S.E., S., S.W. & E.N.E., N.E. & W.	9
15—16	29 „	38 „	38 „	45 „	Claudia, Zulu	S.S.E., S.S.W., W.S.W., W.N.W.	9
20—30	34 „	40 „	22 „	48 „	Loweswater, Kaffir Chief, Sir H. Havelock.	N., N.W., W., S.W., S., S.E.	10
Octob.							
1— 4	30°S	38°S	8°E	40°E	Sir H. Havelock, Cottica, &c....	N., N.W., W., S.W., S. ...	10
3— 4	12 „	22 „	70 „	63 „	Lennox Castle, Peggie Doy ...	S.S.E., S.E., E., N.E. ...	9
11—12	29 „	38 „	25 „	33 „	Catherine Marie, Cottica, Nairnshire.	N.N.W. to S.S.E.	9
14—15	35 „	.....	104 „	105 „	Cock o' the North	W.N.W., S.W.	9
19—20	35 „	38 „	18 „	22 „	Cingalese, Blanche	N., W., W.S.W., S.W. ...	9
27—28	32 „	35 „	109 „	122 „	Loongana, Archimedes ...	N.W., W., S.W., S., S.S.E....	9
27—29	29 „	30 „	61 „	.....	Cottica	W.N.W., W., W.S.W., S. ...	9
Novem.							
19—20	29°S	30°S	31°E	35°E	S.S. Taymouth Castle	W., N.W. & S.W.... ...	9
29—30	40 „	.....	34 „	38 „	John Nicholson...	N., N.E., N.W., W., W. b. S.	9
Decem.							
2— 5	37°S	40°S	45°E	50°E	John Nicholson, Thornhill ...	N.N.E., N., N.W., W., S.W.	10
6— 7	35 „	36 „	116 „	120 „	Earn, Elizabeth	N.W. to S.W.	9
9—15	18 „	28 „	62 „	57 „	John Nicholson, Florence, Catherine Marie, &c.	S.E., E., N.E., N., N. b. W. ...	9
18—26	11 „	27 „	62 „	56 „	Peggie Doy, Hartfield, W. Mc Neil, &c.	All points	12

XXV.—(*Continued.*)

GALES AND HURRICANES IN THE INDIAN OCEAN IN 1885.

Barometer.		Remarks.	Barometer at Mauritius reduced to sea-level.		Temperature at Mauritius.		Wind at Mauritius.	
From	To		From	To	From	To	Direction.	Max. Velocity per hour.
Inches	Inches		Inches	Inches	Deg.	Deg.		Miles.
30.48	29.93	Blowing a storm, hove to. ...	30.273	30.149	74.8	63.9	E.S.E. to E.	25.8
29.96	30.23	A succession of terrific squalls...	30.164	30.117	76.3	62.1	E.S.E. & E.	17.6
30.22	.....	Nasty cross sea and much rain...	30.117	30.125	75.2	65.2	Ely., E.S.E.	17.6
30.10	.....	Heavy sea and rain.	30.180	30.198	77.4	68.0	E. b. N., to E. ...	18.0
30.20	29.75	High cross sea....	30.127	30.266	78.0	61.0	E. b. N., E., E.S.E., S.E. & Nly.	23.3
30.55	29.70	Heavy gale, thunder, lightning and rain.	30.163	30.244	76.0	61.3	Var., E.S.E., S.E. ...	27.1
29.73	.....	High confused sea, lost sails, &c.	30.244	30.165	73.4	64.6	E.S.E. to S.E. ...	23.3
30.08	29.80	Heavy gale from W.S.W., hove to.	30.218	30.197	77.4	67.2	E.S.E.	28.1
.....	.....	Sudden shift to S.W.	30.139	30.180	78.3	68.0	E.S.E. to N.N.E. ...	20.6
29.77	30.12	Heavy squalls and rain. ...	30.089	30.103	76.0	64.8	S.E., E.S.E.	18.2
30.35	29.78	Shift to W.	29.955	30.011	78.3	69.0	Nly., W., S.W., S. ...	22.6
29.68	30.30	Heavy gale.	29.955	30.199	78.3	65.3	N.N.W., W. to S. & S.E.	25.1
30.20	30.10	Very heavy storm, thunder, lightning and rain.	30.042	30.059	81.7	70.6	E.N.E. to N.E. ...	18.1
30.20	29.75	High cross sea....	30.106	30.106	84.0	73.8	E. to E.N.E.	19.9
30.00	29.70	Fierce gale, shift to S.W. thunder, lightning and hail.	30.097	30.043	83.7	69.2	E. to E.N.E.	17.3
29.42	29.98	Heavy sea, fierce sky.	30.041	30.020	84.0	71.8	Ely.	22.1
30.40	29.60	Cyclone, high cross sea, much rain and lightning.	29.999	29.707	84.2	71.8	E. to S.E., S., S.W., W. & Nly.	25.2
30.00	28.90	Cyclone. Lay to under bare poles, lost mast, rudder, &c.	29.848	30.029	84.1	73.4	S.E. b. E., E., N.E., N., N.N.W.	28.1

STORM-WARNINGS AND CYCLONES.

——:(o):——

On the 19th. of January a telegram was sent to the Harbour Master stating that there was no danger from a Cyclone which was then passing N. Wrd. of Mauritius. At the Observatory the barometer fell from 29.986 inches at 9 a.m. on the 16th. to 29.802 at 3 p.m. on the 18th. and 29.858 at 9 a.m. on the 19th, the wind veering from S.E. to East and N.E.

From the 24th. to the 27th. of February there was a very heavy sea from Nrd. and N.Wrd. indicating the passage of a Cyclone North and N.W. of Mauritius, and it was inferred that the East coast of Madagascar had suffered. Intelligence of the loss of several vessels there was afterwards received. The wind at Mauritius veered from East to N.E. and the barometer fell from 29.937 at 9 a.m. on the 19th. to 29.831 at 9 a.m. on the 22nd. and 29.765 at 3 p.m. on the 22nd.

On the 4th. of March a notice of the passage of a Cyclone East of Mauritius was sent to the newspapers. The Cyclone had been travelling since the 28th. of February, and its centre at noon on the 4th. of March was in 20° 50′ S. and 65° 35′ E. The barometer fell from 29.971 at 9 a.m. on the 2nd. of March to 29.763 at 3 p.m. on the 4th. and 29.825 at 9 a.m. on the 5th., the wind backing from E.S.E. to South and S.W.

Five telegrams were sent to Port Louis and different parts of the Island on the 11th. and 12th. of December announcing the state of the wind and weather and the probabilities. On this occasion a Cyclone passed East and probably a small secondary North of Mauritius. At first the wind veered from S.E. b. E. to East and then backed to S.E., South, and S.W. The barometer fell from 30.045 at 9 a.m. on the 8th. to 29.743 at 9 a.m. on the 12th. and 29.672 at 3 p.m. on the 12th.

From the 19th. to the 23rd. of December eleven telegrams were despatched announcing the progress of a Cyclone which was passing North, N.W., and West of Mauritius. The wind veered from S.E. b. E. to East and N.E. and the barometer fell from 29.929 at 9 a.m. on the 19th. to 29.876 at 9 a.m. on the 23rd. and 29.820 at 3 p.m. on the 23rd.

So far as is yet known, nine Cyclones occurred in the course of the year between 7° S. and 34°S. in the Indian Ocean, and their tracks have been determined.

C. MELDRUM,

Director.