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HONGKONG OBSERVATORY,

4th February, 1886.

SIR,—For the information of His Excellency the Officer Administering the Government, I have the honour to forward my Annual Report for 1885.

2. The first volume of observations and researches was published in July. In this publication there is seldom any reference made to the storms, that so frequently cross the north of China, passing from West to East. These storms are considered to lie outside the field of my researches, but I have endeavoured to thoroughly investigate the typhoons. The available observations were, however, very inaccurate, were not made according to a uniform system and their discussion was found to consume unduly great time, as no isobars could be drawn. In the course of the past year observations with instruments verified here have been commenced at a greater part of the stations belonging to the Imperial Maritime Customs of China. The lighthouses outside of Shanghai were, in 1884, furnished with barometers, which had been compared in the Custom House. I expect to make use of these observations in the investigation of the typhoons of 1885.

3. As there exists in Japan an extensive meteorological service conducted on approved principles, it is unnecessary to investigate typhoons in their course across that empire. With reference to this part of their track, the results published in the weather-maps issued from the Imperial Meteorological Observatory, Tokio, are simply quoted.—A similar service in the Philippine Archipelago is urgently required. As it is, the labour of following typhoons in their transit across these islands is thrown upon this Observatory, and the work has to be done on insufficient data. Through the courtesy of the Superintendent of the Eastern Extension, Australasia and China Telegraph Company I receive observations from Bolinao. At 10 a. and 4 p. daily, a telegram containing observations made at the Observatory of the Jesuit Fathers at Manila is also transmitted, and I receive occasionally registers kept on board ships and by private individuals on shore. I do not find any meteorological register in the newspapers published in Manila. In fact they do not usually publish any information useful for such investigations.—I was informed by Dr. BORIUS, that it was the intention of the French authorities to establish a meteorological observatory in Haiphong, but since the lamented death of this distinguished meteorologist, I have had no further news about this project.

4. It does not appear to have been originally intended to immediately start daily weather-reports and storm-warnings in connection with the Observatory, and no provision was made for such; but immediately on my arrival in the Colony I was instructed to take steps to organise the issue of daily weather-intelligence, for which however no provision was subsequently made in the estimates. The department was thus saddled with a great deal of extraneous work, although the staff was arranged for simply carrying on scientific observations and calculations in the Observatory. The staff is sufficient to carry on the work as originally intended, but is of course insufficient for such a material extension. I understand that the storm-warnings etc., have been of great advantage to the mercantile community, and hope therefore, that funds to enable me to continue them may be forthcoming from some source. If the public is to have the full benefit of the observations and researches, an additional clerk and a messenger must be appointed.

5. With reference to the Meteorological Signals I submitted, that my Notice of the 25th May, 1885, (substantially the same as the two first paragraphs of my Notice of the 11th August, 1884. Compare *Obs. and Res. 1884*, App. F.) should be published daily in the local newspapers during the typhoon season, so that the shipping community might be made aware of the meaning of those signals, and was informed, that it would appear weekly in the *Government Gazette*, which has been carried out.

6. The gun placed at Tsim-shat-sûi for announcing the approach of a typhoon, was, during the year, also fired for announcing the arrival of the mails. On these occasions the sampans and other small craft sought positions of shelter. After the issue of the Post Office Notice I was informed, that this arrangement might be altered when any serious inconvenience was felt, and I would now venture to submit for His Excellency's consideration, whether it is advisable to have the gun fired for both purposes, and if not, what signal should cease.

7. The most important improvement effected during the past year consists in the introduction on the 10th June of the rotating (dry and damp bulb) thermometers for regularly registering temperature and humidity at the Observatory. The figures exhibited in the respective tables during the previous months of 1885 were as far as possible reduced to the same standard by aid of observations made in different screens.

8. By aid of this apparatus the true temperature and humidity of the air round the Observatory is determined and not the temperature in any particular screen, which depends to such a great extent upon the position and form chosen for the latter. A perusal of the forthcoming volume for 1885 will show the advantage of adopting this apparatus at observatories within the tropics, and as it is adapted for use in the arctic regions as well as elsewhere, we are now enabled to make accurate and strictly comparable observations of temperature and humidity over the surface of the entire globe.

9. The thermometers are rotated day and night at as many hours as possible, the intermediate hours being derived from the thermograms using the rotating thermometers as standards.—At the same time tridiurnal eye-observations of thermometers exposed in a Stevenson's screen are made, by aid of which the errors committed by adopting this screen will be determined. This investigation besides its general interest will have its local importance, as a great number of meteorological stations in China have, at my suggestion, been furnished with wooden screens of a nearly similar pattern.—My experience so far shews, that the results obtained with Stevenson's screen are reliable when the screen is freely exposed to the wind, that the accuracy generally increases together with the force of the wind, and that the results are more or less erroneous when the screen is at all sheltered by any object even at a great distance. It would be advisable to adopt the rotating thermometer in making astronomical observations for the determination of the constant of refraction.

10. On the 1st of April the use of Morgan and Kidd's argento-bromide paper was introduced and was found a great improvement.—The sunshine-cards were from the 10th September to the 21st December changed at 10 h. 30 m. a. instead of at 10 h. 30 m. p. as was the case before and after those dates.—The observations of clouds and particularly of the upper clouds being of so great importance for the physic of the globe, have been extended and are now made every three hours.

11. The time-service, which began on the 1st January 1885, will form the subject of a separate report.—The Lee Equatorial, which was transferred to this Observatory by the Astronomer Royal, was erected early in the year in a separate building, the cost of which was charged to Office Contingencies. Observations were made of Jupiter and his Satellites, Saturn and his Rings, and of a few Double Stars.

12. A new Observatory Standard Barometer was received in good order from Casella in London, and apparatus for investigating the temperature and induction-coefficients of magnets from Elliott Brothers, the latter being arranged so that either vertical or horizontal induction can be observed.

13. I attach some importance to the facility thus offered for re-determining the induction-coefficient, as it is known to sometimes change, and more especially in view of Chambers's comparison between two magnetometers, which gave different values for the force at Bombay Observatory. As the magnetometers give identical results when tested at Kew Observatory, the difference might be explained by changes in the induction-coefficients, which were not re-determined.

14. Notwithstanding the acknowledged superiority of Elliott's magnetometers, improvements could easily be introduced. The thermometers are not graduated on the stem, and it is so difficult to remove the one in the vibration box, that a reliable thermometer might with advantage be screwed into the roof of the box as was formerly done. The small telescope should be clamped on the stand and not left merely resting on the Y's, and much finer and stronger screws for adjusting the collimation could be cut in chilled bell metal.

15. As stated in the "instructions for making meteorological observations, &c.," meteorological instruments forwarded by observers, who regularly send their registers to the Observatory, are verified here free of cost. During the past year the following number of instruments has been verified and certificates issued:—

Barometers: 16
Thermometers: 40

16. At the end of 1884 the Swedish man-of-war *Vanadis* visited Hongkong and a party of the scientific staff under the direction of Captain RUDOLF NISSEN spent some days in making magnetic observations at the Observatory, which they chose as one of their principal observing stations, and their meteorological instruments were verified here.

17. Mr. HARDING, Assistant Engineer of the Imperial Maritime Customs of China, spent a week at the Observatory in April and received instruction in the erection of meteorological instruments and similar subjects.

18. A party of Officers under the command of Captain USBORNE MOORE made sextant observations of stars for time at the end of the year and compared with the standard clock. They also chose the anemometer-turret as the centre in their survey of the harbour.

19. Enquiries from officers belonging to the Civil Service, the Army and the Navy as well as from Masters of Merchant Vessels were answered at considerable inconvenience. If the Observatory were connected directly with the Telegraph Offices in Hongkong and a telegraph clerk appointed here, it would be easy to answer any enquiries concerning atmospheric disturbances, made by the public at large, who might be charged a small fee to cover cost of transmission, the same as in England.

20. My thanks are due to Mr. WHIPPLE, Superintendent of the Kew Observatory, for superin-ding the construction and comparison in London of instruments destined for this Observatory, ich has thus had the benefit of his great experience. My thanks are also due to Commander RUMSEY N, Acting Harbour Master, for his energetic co-operation.

21. The hill on which the magnetic hut is placed was early last year planted with firs that will en they grow up, contribute to the healthiness of the locality. The southern side of this hill was oothed and the grass stripped in 1883 by order of the Surveyor General, with the view of having returfed, but so far this has not been effected.—The summer rains in 1884 shewed the building to suffering from leakage. Several attempts to repair this were unsuccessful, but I am informed, that roof will be thoroughly repaired before the coming wet season. My private quarters are very ungnty in the winter during the height of the NE monsoon, which is so trying to the health. This nnot of course be helped, as the Observatory should be exposed to the full force of the wind. The owth of rice in the extensive paddy fields north of this was prohibited in 1884, but the ground has been drained and was during the heavy rains last summer converted into an extensive swamp, to malaria emanating from which the intermittent and remittent fevers, from which we all suffered, y be ascribed.

22. Mr. FIGG, First Assistant, took charge of the apparatus in the time-ball tower. From the January to the 22nd November, when a new electric lock arrived, the ball had to be dropped by nd, which he effected with no measureable loss of accuracy. Mr. FIGG attended during the year to self-recording instruments and the tabulations except the thermograms. The latter were tabulated Mr. MAHOMET ALARAKIA, who has also charge of the galvanic batteries, and during the latter part the year changed the sheets on the instruments and took charge of the photographic laboratory. r. LAU-SHAU, Clerk, has charge of the correspondence, all business transactions and accounts, acts telegraph clerk, writes out daily weather reports, collects meteorological observations and is respon-ble for the issue of information concerning typhoons and storm-warnings. I make myself all the tronomical observations and take charge of the horological apparatus.

I have the honour to be,

Sir,

Your most obedient Servant,

W. DOBERCK,
Government Astronomer.

he Honourable THE ACTING COLONIAL SECRETARY.
&c., &c., &c.

ANNUAL WEATHER REPORT FOR 1885.

The year 1885 presented some unusual features here, which were caused by the exceptional strength the S monsoon last summer. The SW monsoon in India was also unusually strong, while the mmer in England was extremely hot and dry. These features will be better understood, when the ts over the world for last summer are constructed, but there is not much doubt, that the area of h pressure over the Pacific did not stretch so far westward as usual, in consequence of which, gradients SW winds were steeper than usual and most of the typhoons passed east of Formosa, the most portant exception being furnished by the typhoon that passed through the Formosa Channel on the th August, but this typhoon had apparently been deflected from the usual path and attracted by small typhoon that passed northwards between Hongkong and Macao on the 17th of that month. d the typhoons appear to have originated farther East of Luzon than in 1884.

During the summer the amount of cloud over this place was excessive and they were unusually low. ere was little sunshine, much rain, and the thunderstorms were severe and protracted. The effect of S monsoon is very striking on comparing the monthly rainfall at Stone Cutters' Island with the an of eight years' rainfall (1878-1885 incl.):—

Month.	Rainfall.		Excess
	Mean.	1885.	above mean.
January, ...	0.64	0.71	+ 0.07
February,.....	1.75	2.54	+ 0.79
March, ...	3.95	2.16	− 1.79
April, ...	6.99	13.72	+ 6.73
May,.....	11.67	5.64	− 6.03
June, ...	14.12	26.74	+ 12.62
July,.....	15.36	16.01	+ 0.65
August, ...	18.67	28.81	+ 10.14
September,.....	10.54	5.97	− 4.57
October, ...	5.74	2.59	− 3.15
November, ...	1.24	0.45	− 0.79
December, ...	0.34	1.03	+ 0.69
Year.....	91.01	106.37	+ 15.36

At the Observatory the cisterns of the barograph and the standard barometer are placed 110 feet ove Mean Sea Level. The bulbs of the thermometers are placed 109 feet above Mean Sea Level and eet above the ground except the terrestrial radiation thermometer, which is about one inch above ground. The rim of the pluviograph, which is 11¼ inches in diameter, is placed 106 feet above an Sea Level and 21 inches above the ground. The cups of the anemograph are 150 feet above an Sea Level and 45 feet above the ground.

At Victoria Peak the instruments, except the radiation thermometers and the rain-gauge, are placed the look-out. The cistern of the barometer is 1819 feet above Mean Sea Level. The bulbs of the rmometers are about 4 feet above the floor, except the maximum thermometer, which is a few inches ier. The radiation thermometers are placed at the same height above the ground as at the Obser- tory. The rim of the rain-gauge is 8 inches in diameter and is one foot above the ground.

At Stone Cutters' Island the rim of the rain-gauge is 8 inches in diameter and is placed 2 fe nches above the ground and about 15 feet above Sea Level.

The Monthly Weather Reports are arranged as follows :—

Table I exhibits the hourly readings of the barometer reduced to 32°.0 Fahrenheit, but no sea level, as measured (at two minutes to the hour named) from the barograms.

Table II exhibits the hourly readings of the temperature of the air round the Observatory determined by aid of the rotating dry bulb thermometer and the thermograms (at two minutes past hour named), and also the extreme temperatures during the day.

Table III exhibits the hourly readings of the temperature of evaporation round the observatory determined by aid of the rotating damp bulb thermometer and the thermograms (at two minutes p the hour named), and also the solar radiation maximum (black bulb) and terrestrial radiation (gr minimum) temperatures, read at 10 p. and entered for the same day.

The thermometers are rotated round a nearly horizontal axis (which is kept about 4 feet ab the ground) the observer generally walking along facing the wind, so that the bulbs describe scr of small pitch. The diameter of the screw-described by the damp is larger than that described by dry bulb.

Table IV exhibits the mean relative humidity in percentage of saturation (the humidity of saturated with moisture being 100) and mean tension of aqueous vapour present in the air expresse inches of mercury, for every hour in the day and for every day in the month, calculated by a Blanford's tables from the data exhibited in Tables II and III.

Table V exhibits the duration of sun-shine expressed in hours as registered by aid of the sun-sh recorder from half an hour before to half an hour after the hour (true time) named.

Table VI exhibits the amount of rain expressed in inches registered from half an hour befor half an hour after the hour named.

Table VII exhibits, for every hour in the day, the velocity of the wind and its direction in numb (8=E, 16=S, 24=W, 32=N) as measured from the anemograms. The velocity is the numb miles traversed by the wind, from half an hour before to half an hour after the hour named. direction is read off at the hour, except when the wind is very light and changeable, when the ave direction during the hour is estimated, taking into account the velocity from different quarters. direction is not noted when the velocity is below 1.5 miles an hour.

Table VIII exhibits, for every hour in the day, the mean velocity of the wind reduced to 4 also to 2 directions, as well as the mean direction of the wind :—

The number of miles traversed by winds from directions 31, 32 and 1 and half the numb miles from 30 and 2 are termed (N). The number of miles from 3, 4 and 5 and half the numb miles from 2 and 6 are termed (NE), etc. We have then :—

$$N=(N)+(NE)\cos 45^\circ+(NW)\cos 45^\circ.$$
$$E=(E)+(NE)\cos 45^\circ+(SE)\cos 45^\circ.$$
etc.

which are the components exhibited in this table.

Table IX exhibits the direction (to two points) and force (0-12) of the wind at Victoria P and sea disturbance (0-9) at Cape d'Aguilar.

Table X exhibits the readings of the barometer reduced to 32°.0 Fahrenheit, but not to sea l and of the thermometers at Victoria Peak.

Table XI exhibits the relative humidity and tension of vapour at 10 a, 4 p. and 10 p. daily at Observatory and at Victoria Peak.

Table XII exhibits the amount (0-10), name and direction whence coming, of the clouds. W the names of upper and lower clouds are given, but only one direction, this refers to the lower clo

Table XIII exhibits the amount of rain measured at 10 a. and entered to preceding da different stations and the duration of precipitation at the Observatory.

The following Annual Report is arranged as follows :—

Table I exhibits the mean height of the barometer at the Observatory and at the Peak expre in inches, the latter being the mean of the 10 a., 4 p. and 10 p. observations. and the excess of the ho values at the Observatory above the mean.

At 4 a. the barometer begins to rise. It is at the time comparatively lower in spring, when atmosphere is nearly saturated with moisture, than later in the year. It attains its mean height at 6 a., perhaps a little later in spring than in autumn and winter. At 10 a. the height attains its forem

maximum, which is the absolute maximum. The barometer stands comparatively highest at 10 a. in mid-winter. It then begins to fall and attains again its average value about 1 p., but later in summer than in winter. It reaches its second minimum between 4 p. and 5 p. in summer, but already about 3 p. in winter. At all seasons of the year this is the absolute minimum but comparatively lowest in winter. Thereafter it rises and reaches its third average shortly before 8 p. in winter and shortly after 8 p. in summer. The second maximum occurs about 10 p. This was comparatively highest in August. Then the barometer falls, attains its average value about 1 a. and a minimum about 4 a.

The diurnal range in the different months came out as follows: January, 0.100, February, 0.098, March, 0.095, April, 0.097, May, 0.087, June, 0.070, July, 0.065, August, 0.067, September, 0.074, October, 0.087, November, 0.105, December, 0.108. The average range was 0.088, exactly the same as in the previous year.

The height of the rock on which the look-out at Victoria Peak is placed has been calculated from the mean of the barometric observations made in 1885 to be 1814 feet, and from the mean of those made in 1884 and 1885 to be 1816 feet.

The first column of the following table shows the mean height of the barometer reduced to Mean Sea Level at the Hongkong Observatory. The second column shows the mean excess of the barometer in Shanghai over that in Hongkong, the distance between these stations being about 670 miles. The third column shows the mean excess of the barometer in Hongkong over that in Manila, the distance being about 600 miles. The data in the two last columns have been derived from the telegraphic reports issued at 10 a. from the Harbour Master's Office, Shanghai, and from the Missionary Observatory, Manila, respectively:—

1885.—January	30.223	+ 0.094	+ 0.160
February	.153	+ .122	+ .150
March	.107	+ .031	+ .093
April	29.954	+ .013	+ .021
May	.877	− .040	− .039
June	.784	− .041	− .069
July	.736	− .042	− .122
August	.727	− .011	− .092
September	.864	− .006	− .038
October	30.023	+ .017	+ .089
November	.175	+ .050	+ .196
December	.154	+ 0.055	+ 0.169
Year	29.981	+ 0.020	+ 0.043

The comparison of this with the corresponding table in last year's report illustrates the comparative steepness of gradients for SW winds, which evidently was the cause of the typhoons nearly all passing East of Formosa.

In order to reduce the barometric readings to the gravity of latitude 45°, using Colonel Clarke's figures, the following corrections should be applied: Manila: −0.068, Hongkong: −0.055, Shanghai: −0.036 and in consequence + 0.019 should be added to the numbers in the second column and + 0.013 to those in the third.

Table II exhibits the mean temperature in degrees Fahrenheit at the Observatory and at the Peak, the latter being the mean of the 10 a. 10 p. maximum and minimum temperatures, and the excess of the hourly values at the Observatory above the mean. The daily variation is smaller in summer than in winter. The hottest part of the day is between 1 p. and 2 p. and the coldest about 6 a, but the lowest temperature occurs earlier in summer than in winter.

The diurnal ranges of temperature are exhibited in Table XVIII. The daily range of temperature is diminished by the circumstance that the force of the wind is smaller at night. It is on an average greater at the Observatory than at the Peak, the air at the former station having been somewhat longer in contact with the ground, which is heated during the day and cooled during the night through radiation. For this reason the daily range of temperature is greater in low places than in those exposed on prominences, a circumstance of some importance in selecting sites for camps, etc.

The monthly extremes of temperature are exhibited in Tables XVI and XVII. The ranges are much greater in winter than in summer.

Table III exhibits the relative humidity in percentage of saturation at the Observatory and at the Peak, the latter being the mean of the 10 a. 4 p. and 10 p. values, and the excess of the hourly values above the mean at the Observatory. The air is farthest from saturation and therefore feels driest between 1 p. and 2 p. and nearest saturation about 4 a., when it feels dampest. The average relative humidity is registered about 8 a. and 6 p.

Table IV exhibits the tension of vapour expressed in inches of mercury at the Observatory and at the Peak, the latter being the mean of observations made at 10 a., 4 p. and 10 p., and the excess of the hourly values above the mean at the Observatory. The daily variation, as was to be expected from a coast station, is small, but there is less vapour in the air in the morning than in the evening. In summer the daily variation is nearly insensible.

The monthly extreme ranges in vapour tension (at 10 a, 4 p. and 10 p.) are exhibited in Tables XVI and XVII. They were greatest in November

The annual variation of the vapour tension was about the same as in the previous year. The maximum monthly mean occurred in June at the Observatory and in July at the Peak, the minimum in February at both stations. The mean relative humidity was greatest in April at the Observatory and in May at the Peak and was least in November at both stations.

Table V exhibits the total number of hours of bright sun-shine. The daily maximum fell about 11 a. and there was a little more sun-shine in the forenoon than in the afternoon,—just the opposite of the previous year. The monthly minimum occurred in February and the maximum in October. The minimum in percentage of possible duration occurred in February and the maximum in December. The record on days on which the sun shone without interruption from sunrise to sunset having been compared with the time during which the sun was above the horizon, it was found that the sun is not strong enough to make a trace till 0.4 hours after its time of rising or before setting, calculated without taking refraction or diameter into account, and the total possible durations shown in the last but one column have been calculated by taking this into account. It was owing to the uncertainty of this quantity, that the percentage of possible duration was not exhibited in last year's report. It would obviously have been wrong to calculate on the supposition, that the sun was strong enough to mark the card from sunrise to sunset.

Table VI exhibits the total hourly rainfall. It appears, that there is a regular daily variation, the maximum falling about 9 a. and the minimum about 5 p. June was the wettest month and November the driest. The greatest falls of rain are exhibited in Table XVI. It will be remarked that 12.63 inches of rain fell on the 12th June at the Observatory and 14.50 at the Peak.

Table VII exhibits the number of hours, during portion of which, it rained. The data in this table should be used only for comparison, the correct total duration of rain being exhibited in Table XI. It appears from this table, that it rains more often about sunrise than about sunset.

These tables were omitted in last year's report, as conclusions concerning the fall of rain are occasionally drawn on insufficient data. They are exhibited below and confirm the remarks made above.

Total Hourly Rainfall during ten months of the year 1884.

Month.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midn.	Sums.
March,	0.132	0.070	1.375	0.208	0.062	0.125	0.099	0.015	0.745	0.009	..	..	..	..	0.065	0.092	0.842	0.250	0.095	0.625	0.296	0.085	0.195	0.113	5.87
April,	.250	.290	.390	.225	.235	.117	.185	.182	1.228	.280	0.895	0.045	0.030	0.015	.030	.064	.335	.025	.010	.030	..	.025	.185	.150	7.29
May,	.035	.075	.025	.155	.240	.505	.705	.680	.920	.081	.800	1.215	.045	.310	.810	.520	.575	1.265	.715	.280	.180	.050	.148	.048	9.23
June,	.145	.280	.230	.570	.315	2.145	.790	.840	.160	.250	.255	.315	.375	1.515	1.005	.115	.145	.225	.805	.315	.155	.067	.050	.100	12.67
July,	.075	.185	.210	.510	1.295	1.020	.920	2.085	1.115	.160	.560	.740	.700	.720	.255	.310	.155	.115	.305	.830	.400	.115	.015	.140	13.65
August,	..	.630	.565	1.280	.615	1.905	.625	.100	.250	.265	.725	.250	.155	.020	..	.145	.265	.705	.250	.150	1.070	.435	.015	.335	14.84
September,	1.105	1.280	1.070	.510	.310	.250	.250	.115	.120	.125	.010	.175	.080	.515	.325	.090	.470	.075	1.195	.520	.100	.190	.380	.550	12.38
October,	.110	.555	.150	.070	.030	.010	.005	.250	.070	..	.720	.285	.115	.015	.090	.100	.100	.105	.010	..	.015	.120	.175	.165	4.68
November,	.050	.010	.025	.005	.015	.025	.010	.005	.075	.125	.155	.155	.210	.055	.015	.010	..	..	..	.100	.170	.050	.010	.110	1.06
December,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sums,	1.992	3.155	4.040	3.733	3.177	5.150	3.709	4.502	3.703	1.918	4.120	3.180	2.110	2.993	2.595	2.057	3.007	3.805	3.285	2.003	2.484	1.097	1.509	2.108	72.39

Number of Hours, during portion of which it rained, during ten months of the year 1884.

Month.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midn.	Sums.
March,	3	2	2	1	3	3	2	1	2	1	...	...	...	...	1	3	2	2	1	3	4	2	2	2	42
April,	5	3	4	5	4	6	5	5	4	4	4	3	1	3	3	1	1	2	2	...	2	3	3	3	57
May,	3	4	4	4	1	5	4	4	3	5	1	2	2	2	2	5	6	8	4	5	2	1	2	1	86
June,	3	4	4	2	2	3	1	2	2	...	1	1	2	1	2	1	1	1	1	...	1	2	2	2	102
July,	4	5	5	5	8	8	6	6	8	3	4	8	6	5	5	6	6	4	5	6	5	4	2	5	127
August,	...	4	6	5	6	5	5	5	5	4	6	5	4	2	...	2	1	2	2	2	6	3	1	4	87
September,	5	5	6	6	3	3	2	2	2	6	3	3	2	2	1	2	2	2	2	1	3	2	2	2	69
October,	1	4	4	2	2	1	1	2	2	...	1	1	2	1	2	1	1	1	1	...	1	2	2	2	37
November,	2	1	2	2	1	1	2	1	2	3	3	3	1	2	2	1	...	...	...	1	2	1	2	3	35
December,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	28	31	37	35	31	35	33	32	35	34	26	31	23	19	20	27	23	23	20	21	27	19	19	30	655

The approximate hourly intensity of rainfall *i. e.* the hourly rainfall divided with the number of hours, during portion of which it rained, or heavy dew fell, was calculated for the mean of 1884 and 1885 and indicates, that the rain is heaviest in the middle of the day and lightest about midnight :—

1 a.	0.103	7 a.	0.127	1 p.	0.165	7 p.	0.127
2 „	.154	8 „	.175	2 „	.120	8 „	.112
3 „	.143	9 „	.184	3 „	.107	9 „	.080
4 „	.109	10 „	.116	4 „	.080	10 „	.091
5 „	.118	11 „	.202	5 „	.098	11 „	.087
6 „	.154	Noon	.140	6 „	.141	Midt.	.070

The true mean hourly intensity came out as follows in 1884 :—

January, 0.000; February, 0.037; March, 0.117; April, 0.072; May, 0.116; June, 0.148; July, 0.150; August, 0.155; September, 0.252; October, 0.119; November, 0.045; December, 0.000; Year, 0.101.

and in 1885 :—

January, 0.029; February, 0.028; March, 0.035; April, 0.179; May, 0.085; June, 0.373; July, 0.175; August, 0.218; September, 0.101; October, 0.100; November, 0.063; December, 0.039; Year, 0.119.

This was obtained by dividing the monthly rainfalls in Table XI with the duration. The intensity is a maximum in June, a minimum in January and was greater in 1885 than in 1884.

Table VIII exhibits the velocity of the wind expressed in miles per hour and the excess of the hourly values above the mean at the Observatory. The velocity at the Peak has been computed from the force estimated there at 10 a., 4 p. and 10 p. The usual daily variation (maximum at 11 a. and minimum at 10 p.) is seen to be greater in summer than in mid-winter during the months when the velocity was greatest, while it was least in September. The velocity is much greater at the Peak than near sea level even taking into account that it is observed principally during the day, and the annual variation is scarcely seen, though there appears to be a maximum in June. The daily variation is probably also small. The increase in wind-force with the height above sea level being small in winter and great in summer agrees with the circumstance that the SW monsoon extends so much higher up than the NE monsoon, which in consequence is subject to a certain amount of friction at its upper surface where the direction of the wind is veering.

In order to throw light on the maximum of wind-force mentioned in the monthly reports of January and February, 1884, as occurring in the early morning hours, and which is often noticed during strong East winds early in the year, the mean force of the wind at South Cape (Formosa) was computed from the three-hourly observations made from the 1st of August, 1884 till the 31st July, 1885 inclusive. These observations are made carefully by the staff of the lighthouse. The observers stand about 150 feet above sea level, but as they are occasionally guided in their estimations by the amount of sail carried by such sailing vessels as happen to be visible, the figures may be taken to represent the force of the wind at a lower level.

Mean Force of Wind at South Cape (Formosa).

Year.	Month.	3 a.	6 a.	9 a.	Noon.	3 p.	6 p.	9 p.	Midt.	Mean.
1884.	August,	3.4	3.0	2.9	2.9	3.2	3.0	2.9	3.0	3.0
„	September	3.7	3.2	3.1	3.2	3.1	3.1	3.2	3.6	3.3
„	October,	4.2	3.8	3.8	3.8	3.2	3.5	4.1	4.3	3.8
„	November,	4.8	4.6	4.3	4.3	3.8	4.0	4.4	4.6	4.4
„	December,	4.1	4.0	4.0	4.1	3.8	3.4	3.7	4.2	3.9
1885.	January,	3.1	3.2	3.0	2.9	2.6	2.6	2.7	3.0	2.9
„	February,	4.0	4.0	4.0	3.7	3.4	3.3	3.4	3.7	3.7
„	March,	3.1	3.2	3.0	2.8	2.8	2.7	2.8	3.1	2.9
„	April,	2.8	2.5	2.6	2.5	2.2	2.3	2.3	2.6	2.5
„	May,	2.6	2.6	2.7	2.8	2.6	2.5	2.1	2.5	2.6
„	June,	2.3	2.4	2.2	2.2	2.5	2.1	2.0	2.2	2.2
„	July,	2.8	2.9	2.8	2.8	2.9	3.0	2.7	2.8	2.8
Mean.		3.4	3.3	3.2	3.2	3.0	3.0	3.0	3.3	3.2

It is seen, that the maximum force of the wind occurs at 3 a. and the minimum at 6 p. which no doubt closely correspond with the epochs of extreme force over the open sea, the effects of which during strong Easterly wind were traced in our records.

Table IX exhibits the mean direction of the wind at the Observatory and at the Peak. The direction at the Peak is to an observer facing the wind about a point to the right in winter and over two points in the same direction in summer. The excess of the hourly direction above the mean, at the Observatory expressed in degrees, is counted from North through East towards South. The veering of the wind during the day is small but greater during the southerly monsoon. It was greatest in September.

Table X exhibits the total distance traversed by, as well as the duration and average velocity of winds from bi-quadrantal points. The velocity is a maximum for E winds and the average direction is straight E, but there is a secondary maximum for SW winds, whose duration is however small. Both with regard to frequency and velocity the S and SW winds in 1885 were greater than in 1884.

Table XI shows particulars concerning the rainfall, (as measured at 10 a.) which in the summer was considerably greater at the Peak than at a lower level. Each day on which not less than 0.01 inches of rain fell, is counted. It is plain, that the observers neglect to measure the rain every day at the Peak and at Stone Cutters' Island.

Table XII contains particulars concerning different phenomena. Fog occurred frequently in March. At times when gradients are slight and clouds come from between SE and SW fog may be expected. Electric phenomena are most frequent in August, but as many thunderstorms passed over the Colony in April, as in August. The storms were severer and lasted about twice as long as in the previous year. Some damage to property was caused by them, but not so much as would be caused by an equal number of storms of equal severity in the United Kingdom. They have a well marked daily period, being most frequent at 7 p. Their direction was generally from W towards E up to the end of April and subsequently from SW towards NE. Unusual visibility of distant objects was most frequent in June, when the air was moist and fog absent. Halos were frequent in July.

Table XIII shows the frequency of clouds of different forms from observations made 8 times a day. During January, cum. prevailed, during February and March, cum-nim. In April cum. again prevails and holds the ground till the end of the year.—C, c-str. and c-cum. have their maxima in the typhoon season, the latter forms already in July. Sm-cum. are common during the last half of the year, when the weather is fine. Cum-str., the thunderclouds, had their maximum in July, R-cum in winter, cum-nim, the threatening cloud, in spring, and nim, the rain cloud, in the rainy season.

The number of days on which clouds were observed to be below 2000 feet was as follows:—January, 14, February, 19, March, 19, April, 21, May, 20, June, 14, July, 18, August, 14, September, 10, October, 2, November, 2, December, 12.—The number of days on which they were observed to be below 1000 feet was as follows:—January, 2, February, 10, March, 8, April, 5, May, 6, June, 0, July, 2, August, 1, September, 1, October, 0, November, 0, December, 3.

The mean direction of clouds (whence coming) was as follows:—

1885.	Lower.	Upper.	Cirrus.
January,	E by S	W	W
February,	E by N	W	W
March,	ESE	W by S	W
April,	SE	W	W
May,	S	WNW	WNW
June,	S	NNW	N
July,	SSW	NNE	N
August,	S	NNE	NNE
September,	SSE	NNW	NE
October,	ENE	W	NNE
November,	ENE	W	
December,	E by S	W	W

In computing the direction of the upper clouds, cirri were included, and in computing the direction of cirrus the observations made in 1884 were also included. From June to October inclusive cirri come from two different directions,—from about NE while a typhoon is in existence somewhere, their direction often backing from E to N while the typhoon is yet over 700 miles away; and from about W, when there are no signs of a typhoon. But cirrus is rarely seen in summer except before typhoons, through whose agency vapour is evidently brought up to the higher regions of the atmosphere.

The c-str. radiate most frequently from NE, and so far I have not succeeded in connecting the direction of the striæ with the position of typhoons.

It is possible, that the direction whence coming of the clouds has a slight diurnal variation. The direction appears to back one or two points during the day. This is just the reverse of the diurnal variation in the direction of the wind, which would agree well with the hypothesis advocated by Espy and Köppen.

The direction whence coming, of the lower clouds is to the right of the wind to an observer facing the wind, especially in summer. In September, the direction of the wind changed most quickly with the elevation, the mean direction of the wind at the Observatory being E by N, at the Peak ESE, at the level of the lower clouds SSE, at the level of the upper clouds NNW, and at the level of cirrus, perhaps 6 or 8 miles up, NE.

Table XIV exhibits the amount of cloud, which is greatest in the morning and least in the ning. It reached its maximum in February, during which the sky was almost continuously over-, and decreased then slowly till December, when it reached its minimum.

Table XV exhibits the sea-disturbance, which was greatest in January and February, when the e of the wind was highest and least in September, together with the wind force.

Table XVI and Table XVII exhibit the extremes of the principal meteorological elements at the ervatory and at the Peak respectively.

Table XVIII exhibits the mean readings of the black bulb thermometers at the Observatory and the Peak. The readings published in the *Observations and Researches for 1884* and in the monthly orts for 1885 were reduced to the standard kept at Kew by applying a constant correction. In 1885 ever comparisons were made at different parts of the scale by the intermediary of a black bulb ther-meter whose corrections were investigated at both Observatories, and it was ascertained, that the dings as published for the Peak should be increased by 2°.0, the correction being sensibly constant, and at the following corrections should be applied to the readings as published for the Observatory :—

At 90°	− 2°.4	At 120°	+ 1°.5
„ 100°	− 0°.8	„ 130°	+ 2°.3
„ 110°	+ 0°.5	„ 140°	+ 2°.9

These corrections have been applied to the data published in this, the annual report for 1885, and rections to readings above 140° have been extrapolated.—It should be remembered that these cor-tions do not by any means improve the accuracy of the observations but simply render them mparable with those made at Kew and at Observatories, whose black bulb thermometers have been mpared there. A great number of readings of black bulb thermometers have lately been published m Ceylon. These would be comparable with those published elsewhere, if the thermometers were mpared. The thermometers distributed among the Imperial Maritime Customs' stations have been mpared here and observations were started last year at a great number of stations. But of course ords of black bulb thermometers are not very important.

The highest mean of black bulb temperature occurred in September, at both stations. The greatest en excess above mean maximum air temperature in September, at the Observatory and in October, the Peak. When the clouds are low this excess is greatest at the Peak, when they are high it is eatest at the Observatory.

The same table shows the mean excess of minimum air temperature above the minimum on grass. March, the grass minimum at the Peak did not register lower than the minimum owing no doubt the fog. The greatest difference was registered in November, at both stations.

But those figures do not exhibit a measure of the terrestrial radiation, as the grass minimum s wet from fog and rain, and it is most probable that its temperature is depressed more from this se than by radiation. The greatest radiation is registered in November, which coincides with the atest dryness of the air, as might be expected, but just at that time the least trace of dampness on e ground would lower the readings enormously, and it is remarked that the lowest readings of the ass minimum are obtained when the sky clears with a dry northerly wind just after a slight fall of n. For these reasons I feel inclined to doubt, whether the grass minimum is of any value at all for sturing terrestrial radiation. But it indicates roughly the lowest temperature on the grass.

The same table shows the average weight of aqueous vapour in Troy grains in each cubic foot of at the Observatory and at the Peak.

The same table exhibits the mean diurnal range of temperature at the Observatory and at the k, which is of course greater than the range that follows from the hourly readings.

The same table shows the height to which one must ascend in order to have the mean temperature ered one degree, the figures having been calculated from the data in Table II. This is greatest en the clouds are low.

From a return furnished by the Registrar General it is seen that the mean monthly death-rate per usand among the Chinese in Hongkong from Zymotic diseases was 1.067 in 1884 and 1.384 in 5, and from diseases of the Digestive Organs 0.059 in 1884 and 0.081 in 1885. The maximum nthly death-rate from the former diseases occurred in September, 1884, (1.413) and in July, 1885, 966) and the minimum in February, 1884, (0.749) and in January, 1885, (0.670). The maximum nthly death-rate from the latter diseases occurred in October, 1884, (0.099) and in July and October, 5, (0.112) and the minimum in December, 1884, (0.026) and in February, 1885, (0.046).—The n monthly death-rate per thousand from diseases of the Skin was 0.065 in 1884 and 0.043 in 1885 from diseases of the Respiratory Organs 0.213 in 1884 and 0.237 in 1885.

The effects of the increased strength of the S monsoon in 1885 appear thus in the increased th-rate from various diseases.

TABLE I.

Mean Height of the Barometer at the Observatory and at the Peak for each month in the Year 1885, and Mean Diurnal Variation at the Observatory.

Month.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Mean. Observatory.	Mean. Peak.
January,	+.005	−.003	−.014	−.018	−.017	−.005	+.010	+.032	+.048	+.052	+.037	+.011	−.021	−.039	−.048	−.045	−.036	−.024	−.009	+.009	+.016	+.019	+.020	+.018	30.104	28.303
February,	+.009	−.002	−.013	−.019	−.018	−.004	+.014	+.031	+.048	+.053	+.042	+.020	−.005	−.027	−.045	−.044	−.037	−.030	−.018	−.002	+.007	+.012	+.011	+.008	30.093	28.214
March,	+.005	−.006	−.021	−.026	−.020	−.004	+.015	+.035	+.046	+.051	+.043	+.026	−.004	−.026	−.043	−.044	−.041	−.032	−.018	+.001	+.015	+.021	+.019	+.013	29.988	28.205
April,	+.005	−.013	−.026	−.030	−.022	−.007	+.013	+.034	+.047	+.049	+.044	+.031	+.002	−.021	−.037	−.045	−.048	−.038	−.024	−.005	+.014	+.025	+.026	+.014	29.838	28.109
May,	−.001	−.013	−.021	−.022	−.016	−.002	+.016	+.030	+.039	+.044	+.040	+.029	+.008	−.013	−.031	−.043	−.043	−.034	−.022	−.005	+.007	+.019	+.022	+.011	29.763	28.056
June,	+.005	−.006	−.012	−.012	−.010	.000	+.010	+.022	+.030	+.034	+.031	+.020	+.004	−.012	−.024	−.033	−.036	−.031	−.021	−.007	+.005	+.020	+.020	+.010	29.671	27.991
July,	+.002	−.008	−.017	−.016	−.014	−.003	+.007	+.018	+.026	+.030	+.027	+.018	+.005	−.012	−.024	−.034	−.035	−.031	−.019	−.003	+.014	+.027	+.027	+.018	29.623	27.942
August,	+.005	−.006	−.015	−.017	−.015	−.006	+.007	+.019	+.028	+.030	+.025	+.015	−.002	−.017	−.030	−.035	−.037	−.027	−.017	+.001	+.017	+.029	+.028	+.019	29.614	27.933
September,	−.001	−.011	−.019	−.018	−.013	−.002	+.013	+.029	+.036	+.036	+.028	+.012	−.013	−.029	−.036	−.038	−.035	−.024	−.010	+.008	+.024	+.029	+.025	+.018	29.751	28.053
October,	−.001	−.011	−.017	−.021	−.015	.000	+.016	+.035	+.044	+.044	+.032	+.012	−.015	−.034	−.043	−.040	−.032	−.023	−.008	+.011	+.020	+.021	+.017	+.011	29.909	28.182
November,	+.002	−.006	−.013	−.014	−.009	+.005	+.024	+.039	+.051	+.048	+.032	+.006	−.026	−.047	−.054	−.051	−.040	−.026	−.009	+.009	+.020	+.024	+.021	+.015	30.058	28.299
December,	+.004	−.003	−.011	−.014	−.009	+.002	+.018	+.036	+.053	+.054	+.038	+.007	−.026	−.045	−.054	−.049	−.038	−.026	−.009	+.007	+.016	+.019	+.016	+.010	30.036	28.265
Means,	+.003	−.007	−.017	−.019	−.015	−.002	+.014	+.030	+.041	+.044	+.035	+.017	−.008	−.027	−.039	−.042	−.038	−.029	−.015	+.002	+.015	+.022	+.021	+.014	29.866	28.129

TABLE II.

Mean Temperature at the Observatory and at the Peak for each Month in the Year 1885, and Mean Diurnal Variation at the Observatory.

Month.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Mean. Observatory.	Mean. Peak.
January,	−1.2	−1.3	−1.6	−1.8	−1.9	−2.0	−2.1	−1.5	−0.5	+0.6	+1.7	+2.6	+3.3	+3.3	+3.0	+2.3	+1.5	+0.2	−0.1	−0.3	−0.5	−0.7	−0.8	−1.1	58.7	51.1
February,	−0.9	−1.2	−1.4	−1.6	−1.7	−1.8	−1.7	−1.2	−0.6	+0.2	+1.0	+1.8	+2.3	+2.2	+2.1	+1.3	+0.9	+0.5	+0.4	+0.2	+0.2	+0.2	−0.1	−0.5	54.9	48.1
March,	−1.5	−1.8	−1.8	−2.1	−2.2	−2.4	−2.1	−1.3	−0.1	+1.1	+1.9	+2.1	+3.2	+3.4	+3.1	+2.9	+1.9	+0.5	−0.1	−0.5	−0.8	−0.9	−1.0	−1.2	60.6	56.2
April,	−1.4	−1.7	−1.8	−1.9	−1.9	−1.9	−1.4	−0.7	+0.3	+1.1	+1.5	+2.1	+2.8	+3.1	+2.9	+1.8	+1.1	−0.1	−0.6	−0.7	−0.7	−0.8	−0.8	−1.0	70.4	66.3
May,	−1.5	−1.7	−1.8	−2.1	−2.1	−1.9	−1.1	−0.4	+0.4	+1.0	+1.6	+1.7	+2.3	+2.3	+2.1	+1.9	+1.2	+0.5	−0.2	−0.4	−0.6	−0.6	−1.0	−0.9	77.6	71.4
June,	−1.4	−1.5	−1.6	−1.8	−1.9	−1.5	−0.9	0.0	+0.7	+1.6	+2.1	+2.3	+2.6	+2.6	+2.1	+1.4	+0.8	0.0	−0.7	−0.9	−1.0	−1.1	−1.2	−1.3	80.6	74.4
July,	−1.3	−1.5	−1.7	−1.7	−1.8	−1.7	−1.0	−0.4	0.0	+0.7	+1.5	+1.9	+2.1	+2.3	+2.7	+2.0	+1.6	+0.7	−0.1	−0.5	−0.9	−1.1	−1.3	−1.4	80.9	75.1
August,	−1.2	−1.3	−1.4	−1.6	−1.7	−1.8	−1.0	−0.3	+0.5	+1.3	+1.7	+2.0	+1.9	+2.0	+2.1	+1.9	+1.3	+0.3	−0.4	−0.7	−1.0	−0.8	−0.9	−1.0	80.0	74.8
September,	−1.3	−1.3	−1.6	−1.8	−1.8	−1.9	−1.3	−0.2	+0.7	+1.4	+2.1	+2.2	+2.8	+2.6	+2.1	+1.8	+0.9	0.0	−0.5	−0.8	−0.9	−0.9	−1.0	−1.1	78.7	73.2
October,	−1.0	−1.3	−1.5	−1.6	−1.8	−2.0	−1.5	−0.4	+0.7	+1.4	+1.8	+2.1	+2.3	+2.2	+1.9	+1.3	+0.8	−0.1	−0.2	−0.4	−0.4	−0.4	−0.6	−0.9	75.1	69.3
November,	−1.5	−1.8	−1.9	−2.2	−2.4	−2.5	−2.2	−1.1	+0.3	+1.5	+2.3	+2.8	+3.2	+3.2	+2.9	+2.2	+1.3	+0.3	−0.2	−0.4	−0.7	−1.0	−1.2	−1.4	68.0	62.0
December,	−1.3	−1.4	−1.6	−1.9	−2.1	−2.3	−2.1	−1.2	−0.1	+1.3	+1.9	+2.4	+2.9	+2.8	+2.6	+1.9	+1.2	+0.5	+0.1	−0.2	−0.4	−0.7	−0.9	−1.4	63.6	58.3
Means,	−1.3	−1.5	−1.6	−1.8	−1.9	−2.0	−1.6	−0.7	+0.2	+1.1	+1.8	+2.3	+2.6	+2.7	+2.5	+1.9	+1.3	+0.3	−0.2	−0.5	−0.6	−0.7	−0.9	−1.1	70.8	65.0

TABLE III.

Mean Humidity at the Observatory and at the Peak for each Month in the Year 1885, and Mean Diurnal Variation at the Observatory.

Month.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Mean. Observ-atory.	Mean. Peak.
January,	+4	+3	+4	+4	+3	+4	+5	+2	+1	−3	−4	−6	−7	−8	−7	−6	−3	0	+2	+2	+3	+3	+3	+4	77	89
February,	+3	+3	+4	+4	+4	+4	+4	+2	+1	−1	−2	−4	−4	−4	−4	−2	−1	0	0	+1	+1	0	0	+2	81	94
March,	+3	+4	+4	+4	+4	+4	+4	+3	−1	−4	−5	−6	−7	−8	−8	−7	−4	−2	+1	+2	+4	+4	+4	+4	85	88
April,	+3	+5	+4	+4	+3	+3	+2	+1	−1	−4	−5	−6	−7	−6	−6	−1	0	+2	+3	+3	+3	+3	+3	+3	89	94
May,	+4	+4	+4	+4	+4	+5	+2	−1	−3	−5	−4	−5	−6	−6	−4	−4	−2	0	+2	+3	+3	+2	+3	+3	87	96
June,	+4	+4	+4	+5	+5	+4	+2	0	−2	−4	−6	−7	−9	−8	−8	−6	−4	−1	+1	+2	+2	+3	+4	+4	85	94
July,	+3	+3	+3	+4	+5	+4	+3	+1	0	−3	−5	−6	−6	−7	−8	−6	−5	−3	0	+1	+2	+3	+3	+3	84	94
August,	+3	+3	+4	+4	+4	+4	+2	0	−3	−4	−5	−6	−5	−6	−5	−5	−3	−3	0	+2	+4	+3	+3	+4	85	94
September,	+5	+4	+4	+4	+4	+4	+3	−1	−3	−5	−7	−7	−8	−8	−7	−6	−3	−1	+1	+3	+3	+3	+4	+3	81	91
October,	+4	+4	+4	+4	+4	+4	+4	0	−3	−6	−8	−7	−7	−6	−4	−3	−1	+1	+2	+2	+3	+3	+3	+3	70	85
November,	+5	+5	+5	+6	+6	+3	+3	−1	−4	−6	−7	−8	−8	−8	−7	−4	−2	−1	+1	0	+1	+3	+4	+4	61	80
December,	+5	+5	+3	+3	+3	+4	+3	+2	0	−5	−4	−6	−7	−6	−6	−4	−2	0	+3	+2	+2	+4	+4	+6	70	86
Means,	+4	+4	+4	+4	+4	+4	+3	+1	−2	−4	−5	−6	−7	−7	−6	−4	−3	−1	+1	+2	+3	+3	+3	+4	80	90

TABLE IV.

Mean Tension of Aqueous Vapour at the Observatory and at the Peak for each Month in the Year 1885, and Mean Diurnal Variation at the Observatory.

Month.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Mean. Observ-atory.	Mean. Peak.
January,	+.003	−.001	−.003	−.005	−.010	−.009	−.006	−.010	−.002	−.006	.000	+.006	+.006	+.002	+.004	+.001	+.002	+.002	+.007	+.007	+.006	+.005	+.004	+.002	0.383	0.353
February,	.000	−.004	−.004	−.004	−.005	−.009	−.008	−.007	−.006	−.003	.000	+.001	+.008	+.006	+.005	+.004	+.004	+.004	+.002	+.005	+.005	+.002	−.005	−.002	.352	.323
March,	−.007	−.006	−.009	−.014	−.015	−.019	−.014	−.004	−.002	−.002	+.003	+.005	+.010	+.011	+.007	+.011	+.012	+.008	+.004	+.003	+.008	+.009	+.004	+.004	.457	.420
April,	−.007	−.006	−.012	−.015	−.018	−.018	−.018	−.016	−.007	−.003	−.009	−.002	+.008	+.019	+.022	+.025	+.023	+.013	+.008	+.006	+.006	+.003	+.003	+.002	.668	.618
May,	−.006	−.012	−.015	−.015	−.015	−.013	−.012	−.017	−.015	−.019	+.002	+.001	+.006	+.010	+.026	+.016	+.020	+.013	+.010	+.008	+.011	+.006	+.004	+.006	.821	.748
June,	+.006	+.007	+.004	+.003	+.004	−.001	+.003	+.005	.000	+.005	+.008	+.001	−.012	−.008	−.005	−.014	−.011	−.004	−.007	.000	.000	+.006	+.008	+.009	.882	.806
July,	.000	−.003	−.009	.000	+.002	−.004	+.005	+.010	+.004	−.001	−.007	+.001	+.003	−.005	+.003	−.001	−.004	−.001	.000	+.006	+.003	+.001	.000	.000	.878	.821
August,	.000	−.003	−.001	−.007	−.006	−.009	−.003	−.007	−.005	+.001	+.001	+.001	+.003	−.003	+.009	+.003	+.006	−.011	−.006	+.002	+.011	+.012	+.009	+.011	.866	.816
September,	+.016	+.012	+.003	−.002	−.002	−.005	−.005	−.008	−.002	−.012	−.017	−.010	−.006	−.012	−.009	−.010	−.005	−.002	+.005	+.009	+.015	+.015	+.016	+.009	.792	.755
October,	+.012	+.005	+.001	+.002	−.003	−.004	+.001	−.003	−.011	−.024	−.029	−.026	−.017	−.008	+.003	−.001	+.003	+.008	+.009	+.015	+.019	+.019	+.014	+.011	.617	.617
November,	+.016	+.014	+.008	+.012	+.009	−.011	−.013	−.018	−.018	−.015	−.013	−.013	−.012	−.005	−.002	+.008	+.004	+.001	+.008	+.001	+.005	+.016	+.015	+.012	.424	.463
December,	+.008	+.003	−.007	−.009	−.012	−.012	−.012	−.009	−.005	−.006	−.001	−.002	−.006	+.002	−.005	+.005	+.008	−.008	+.014	+.008	+.010	+.012	+.008	+.011	.424	.440
Means,	+.003	.000	−.004	−.005	−.006	−.009	−.007	−.007	−.006	−.007	−.005	−.003	−.001	+.001	+.005	+.004	+.005	+.002	+.004	+.006	+.008	+.009	+.007	+.006	0.630	0.598

TABLE V.

Total Hourly Duration of Sunshine for each Month in the Year 1885, and Total Monthly Duration of Sunshine.

Month.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Total Record.	Total Possible.	Percentage of Possible.
January,	...	1.5	10.7	13.2	14.1	13.3	14.5	13.8	11.8	11.9	11.6	2.6	...	119.0	311	38
February,	...	0.6	2.4	2.9	3.7	3.3	3.3	2.0	1.9	1.2	1.0	...	...	22.3	294	8
March,	...	4.1	9.8	11.5	12.5	13.3	14.2	14.5	13.9	13.6	12.1	4.9	...	124.4	344	36
April,	...	3.8	8.1	10.6	15.1	14.1	16.1	16.7	17.0	14.9	13.4	6.9	0.4	137.1	353	39
May,	3.2	10.1	12.6	15.0	15.7	16.8	17.2	18.7	16.7	15.2	12.5	9.5	2.6	165.8	380	44
June,	4.3	13.0	13.7	15.7	14.8	15.3	14.7	14.6	14.5	12.5	9.8	10.7	2.8	156.4	376	42
July,	5.3	13.1	16.8	16.2	17.3	18.4	15.3	15.1	16.7	16.2	15.3	12.3	3.1	181.1	384	47
August,	2.9	11.2	15.0	15.5	14.7	13.2	14.2	14.1	15.2	13.3	11.3	9.3	1.9	151.8	370	41
September,	0.2	9.0	12.1	18.0	21.6	20.5	18.7	19.7	14.5	12.6	12.9	9.0	...	168.8	340	50
October,	0.1	11.5	20.1	23.7	25.2	24.9	24.3	24.1	23.7	21.2	18.4	10.7	...	227.9	331	69
November,	...	10.2	16.9	19.0	22.6	24.3	23.4	22.3	21.8	20.2	20.1	6.5	...	207.3	306	68
December,	...	6.3	21.2	23.4	23.9	24.5	24.1	24.0	24.2	22.6	18.9	5.1	...	218.2	307	71
Sums,	16.0	94.4	159.4	184.7	201.2	201.9	200.0	199.6	191.9	175.4	157.3	87.5	10.8	1880.1	4096	46

TABLE VI.

Total Hourly Rainfall for each Month in the Year 1885.

Month.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sum.
January, ...	0.035	0.005	...	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	0.100	0.045	0.070	0.030	0.180	0.250	0.145	0.870
February, ...	0.120	0.230	0.215	0.210	0.230	0.125	0.220	0.110	0.225	0.065	0.035	0.140	0.125	0.120	0.085	0.055	0.035	0.025	0.010	0.045	0.085	0.020	0.060	0.110	2.700
March, ...	0.055	0.175	0.140	0.060	0.120	0.165	0.045	0.110	0.135	0.050	0.260	0.505	0.210	...	0.010	0.135	0.015	0.050	0.010	0.005	...	...	0.150	0.065	2.470
April, ...	0.805	0.970	0.585	0.190	0.145	0.280	0.430	0.760	0.890	0.600	2.520	1.695	1.610	0.310	0.400	0.080	0.115	0.080	0.095	0.140	0.655	0.660	0.395	0.570	14.890
May, ...	0.305	1.135	0.025	0.065	0.010	0.165	0.090	0.050	0.610	0.905	0.035	0.305	0.050	0.010	0.015	0.065	0.130	0.060	0.035	0.010	0.155	0.305	0.090	0.235	4.860
June, ...	0.465	0.615	1.495	0.435	1.405	0.985	1.620	2.450	3.250	2.385	1.435	0.965	1.890	0.245	0.805	1.200	0.800	1.545	0.550	2.215	1.105	1.655	1.370	0.475	31.360
July, ...	0.265	0.440	0.220	0.980	0.385	0.160	0.470	1.825	3.195	2.340	0.850	0.170	0.610	0.325	0.180	0.120	0.025	0.150	0.065	0.060	0.130	0.195	0.180	0.255	13.545
August, ...	2.250	3.710	2.665	0.920	1.445	1.950	1.840	3.095	1.165	0.820	0.665	0.735	2.120	0.390	0.570	0.750	0.175	0.705	1.105	0.275	0.295	0.070	0.100	0.050	27.865
September, ...	0.625	0.360	0.670	0.655	0.760	0.355	0.230	0.225	0.320	0.175	0.310	0.050	0.040	0.110	0.255	0.215	0.015	0.045	0.185	0.145	0.010	0.050	0.005	0.035	5.845
October, ...	0.005	0.020	0.040	...	0.155	0.280	0.140	0.080	0.130	0.120	0.025	0.145	0.125	0.295	0.200	0.260	0.150	0.200	0.060	0.015	0.065	...	...	...	2.510
November, ...	0.015	0.405	0.090	0.145	0.045	0.020	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.020	0.005	0.760
December, ...	0.040	0.015	...	...	...	0.035	0.010	...	...	...	0.010	0.010	0.090	0.340	0.350	0.100	0.100	...	...	0.010	0.015	0.110	0.005	0.010	1.250
Mean, ...	0.415	0.673	0.512	0.306	0.392	0.377	0.425	0.726	0.819	0.622	0.512	0.393	0.572	0.179	0.239	0.248	0.130	0.247	0.180	0.249	0.212	0.271	0.215	0.163	9.077

TABLE VII.

Number of Hours, during portion of which it rained, for each Month in the Year 1885.

Month.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Total.
January, ...	1	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	2	3	1	1	1	15
February, ...	3	5	5	4	4	3	3	4	4	3	1	3	4	3	5	4	4	3	1	3	5	2	2	5	83
March, ...	3	4	2	1	2	1	3	4	2	5	1	2	3	...	2	5	2	5	2	1	...	...	3	3	59
April, ...	3	2	3	4	2	1	2	3	4	4	3	3	3	3	5	4	2	1	4	4	3	4	5	3	75
May, ...	3	2	1	4	2	2	2	1	5	6	1	1	2	1	1	2	3	1	3	2	4	4	3	4	60
June, ...	5	4	8	3	5	4	6	6	6	5	4	4	4	3	7	7	3	5	1	2	2	4	3	4	105
July, ...	5	6	3	2	3	3	5	9	7	6	6	4	4	5	3	4	1	3	3	3	8	2	4	3	102
August, ...	4	5	6	7	7	8	7	9	7	6	4	7	6	5	5	5	5	3	5	6	6	4	3	2	132
September, ...	6	6	4	5	4	3	5	3	2	2	3	2	1	1	4	2	2	2	1	3	2	3	1	1	71
October, ...	1	1	1	...	2	3	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	...	...	...	28
November, ...	1	2	2	2	2	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	16
December, ...	1	1	...	...	...	4	1	...	...	...	1	1	1	1	1	1	1	...	...	1	2	1	1	2	21
Total.....	36	39	35	33	33	38	36	41	38	38	25	28	29	26	34	35	24	26	24	29	38	26	27	29	767

TABLE VIII.

Mean Hourly Velocity of the Wind at the Observatory and at the Peak for each Month in the Year 1885, and Mean Diurnal Variation at the Observatory.

Month.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Mean. Observatory.	Mean. Peak.
January,	−0.4	−0.1	−0.8	−0.5	−0.2	+0.1	+0.2	+0.9	+0.9	+1.7	+1.6	+1.9	+1.7	+2.0	+1.5	+1.0	−0.4	−1.3	−2.4	−2.3	−1.5	−1.5	−1.4	−1.0	16.8	24
February,	−0.9	−0.4	−1.4	−0.1	+0.5	+1.4	+0.5	−0.2	+0.5	+1.3	+2.4	+1.8	+1.4	+2.0	+1.6	−0.3	−1.3	−1.6	−1.4	−2.0	−2.0	−1.5	−0.6	−0.9	16.8	25
March,	−1.1	−1.0	+0.6	+0.9	+1.2	+1.5	+1.8	+2.1	+1.9	+2.1	+1.5	+1.2	+1.5	+0.8	+0.2	−0.8	−1.3	−1.6	−2.0	−1.9	−2.1	−2.4	−2.5	−1.4	16.3	24
April,	−1.0	−0.5	−1.0	−0.8	−0.8	−0.7	−0.6	0.0	+0.6	+2.6	+3.2	+2.6	+1.4	+1.3	+1.0	+1.8	+1.2	+0.3	−1.4	−1.3	−1.9	−2.2	−2.0	−1.2	16.7	25
May,	−0.3	−1.2	−0.5	−1.4	−1.2	−1.2	0.0	+0.2	+1.2	+2.0	+2.2	+2.7	+2.3	+1.9	+1.6	+1.1	+0.3	−0.5	−1.4	−0.8	−1.2	−1.1	−2.2	−1.4	14.4	25
June,	−1.5	−1.3	−0.7	−1.4	−2.0	−2.2	−1.4	+0.2	+1.6	+3.1	+3.8	+3.6	+4.2	+3.0	+2.6	+1.1	+0.4	−0.7	−1.6	−2.4	−2.8	−2.5	−2.0	−2.0	13.6	26
July,	−1.4	−0.6	−1.6	−1.7	−1.7	−1.9	−1.0	−0.9	+0.7	+1.9	+2.2	+2.6	+3.4	+2.3	+2.2	+1.9	+1.3	0.0	−0.5	−1.1	−1.2	−1.5	−1.6	−1.7	11.1	25
August,	−0.7	−0.6	−0.9	−1.5	−1.1	−1.6	−2.2	−0.3	−0.1	+1.6	+2.1	+2.5	+4.1	+4.0	+2.5	+1.9	+1.7	−0.4	−1.8	−2.0	−1.8	−2.2	−2.0	−1.5	12.1	26
September,	−2.7	−2.5	−2.0	−2.6	−3.0	−2.9	−3.1	−1.6	−0.1	+1.1	+4.2	+4.7	+4.9	+5.1	+4.1	+3.7	+1.9	+1.1	+0.1	−1.6	−2.1	−2.6	−2.5	−1.9	9.1	23
October,	−0.4	−0.3	−0.1	−0.3	−1.5	−1.4	−1.2	−0.1	+1.0	+1.7	+4.3	+2.9	+2.7	+2.6	+2.2	+1.5	−0.2	−2.1	−3.3	−2.9	−2.3	−1.0	−0.5	−0.5	14.6	25
November,	−1.2	−1.0	−2.5	−1.9	−1.9	+0.2	−0.1	+0.3	+1.5	+2.6	+3.6	+3.3	+2.4	+2.9	+3.3	+1.7	+0.9	−0.7	−2.2	−2.1	−1.5	−2.4	−2.4	−2.1	12.2	23
December,	−2.0	−2.1	−1.2	−0.4	−0.4	−0.3	−1.5	−0.8	+0.3	+2.1	+2.8	+2.6	+3.0	+4.0	+3.1	+2.4	+0.4	−0.7	−1.0	−1.4	−1.7	−2.7	−2.5	−2.1	14.0	25
Mean,	−1.1	−1.0	−1.0	−1.0	−1.0	−0.8	−0.7	0.0	+0.8	+2.0	+2.8	+2.7	+2.7	+2.7	+2.2	+1.4	+0.4	−0.7	−1.6	−1.8	−1.8	−2.0	−1.8	−1.5	14.0	25

TABLE IX.

Mean Direction of the Wind at the Observatory and at the Peak for each Month in the Year 1885, and Mean Diurnal Variation at the Observatory.

Month.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Mean. Observatory.	Mean. Peak.
January,	− 2°	− 2°	− 2°	− 2°	− 1°	− 2°	− 6°	− 1°	− 3°	− 2°	+ 5°	+ 3°	+ 2°	+ 6°	+ 8°	+ 7°	+ 4°	− 2°	− 2°	− 3°	− 3°	− 5°	− 4°	− 2°	E 9° N	E 4° N
February,	− 7	− 5	+ 1	+ 2	+ 3	− 2	+ 3	− 1	+ 2	+ 2	− 1	+ 6	+ 6	+ 4	+ 3	0	+ 2	+ 4	− 4	+ 1	− 1	0	− 2	− 8	E 13° N	E 18° N
March,	+ 2	− 2	+ 2	+ 3	+ 3	+ 3	+ 4	+ 2	+ 3	+ 4	+ 1	+ 2	+ 1	0	− 1	− 9	− 4	− 8	− 7	− 3	− 1	0	+ 2	+ 1	E 6° N	E 15° S
April,	− 6	− 1	− 2	0	+ 2	+ 2	0	0	− 1	+ 2	+ 2	− 1	+ 1	+ 3	+ 4	+ 6	+ 5	+ 6	0	− 1	− 3	− 3	− 5	− 2	E	E 39° S
May,	0	− 6	− 6	− 5	− 4	− 5	+ 1	− 3	+ 4	0	+ 7	+ 5	+ 7	+ 4	+ 5	+ 7	+ 4	− 2	0	0	− 3	− 4	− 8	+ 2	E 37° S	S 22° E
June,	−10	− 6	− 1	− 4	− 4	+ 6	− 4	+12	− 6	+ 3	+12	+22	+16	+ 8	+11	+17	+ 9	− 6	−12	−15	−16	−17	−10	−16	E 41° S	S 16° E
July,	− 6	− 1	+ 6	+15	+19	+11	+ 6	+19	+22	+18	+27	+13	− 3	+ 7	+ 4	− 7	−15	−10	−13	−18	−24	−31	−21	−13	S 11° W	S 22° W
August,	+ 5	+21	+20	+33	+17	+ 1	+ 1	− 3	−36	0	− 3	+ 5	− 3	+ 4	+10	+20	+18	− 6	+ 5	−15	−37	−31	−17	−18	S 42° E	S 16° E
September,	− 2	+15	−24	−40	−32	−26	−34	−25	−14	− 9	+19	+14	+15	+10	+18	+23	+22	+27	+19	+19	+17	+ 7	−10	− 5	E 13° N	E 24° S
October,	− 5	− 9	−13	−14	−14	−18	−18	−14	− 5	+ 3	+ 7	+ 8	+13	+18	+11	+13	+10	+10	+ 8	+ 2	− 2	+ 3	+ 5	− 1	E 14° N	E 5° N
November,	−15	−21	−14	−23	−16	−22	−18	−12	− 9	+ 5	+15	+25	+27	+25	+29	+24	+16	+ 6	+ 3	− 6	− 7	−11	− 3	− 8	E 36° N	E 20° N
December,	−11	−14	−15	−12	− 8	− 5	− 6	0	0	+ 6	+10	+14	+15	+12	+10	+11	+ 6	+ 3	+ 2	− 1	− 4	− 4	− 9	− 6	E 17° N	E 8° N

TABLE X.

Total Distance traversed by, as well as Total Duration and Average Velocity of Winds from eight different points of the Compass during the Year 1885.

Wind.	Total Distance. Miles.	Duration. Hours.	Velocity. Miles per Hour.
N,	8078	765	10.6
NE,	11608	887	13.1
E,	74439	4195	17.7
SE,	4026	402	10.0
S,	9729	771	12.6
SW,	7105	501	14.2
W,	5115	594	8.6
NW,	1977	297	6.7
Calm,	228	348	0.7
Sums and Mean,	122305	8760	14.0

TABLE XI.

Total Rainfall, Duration of Rain, and Number of Days on which Rain was collected, at the Observatory, Stone Cutters' Island and the Peak for each month of the Year 1885.

Month.	Observatory.			Stone Cutters' Island.		Victoria Peak.	
	Amount. *ins.*	Duration. *hrs.*	Days.	Amount. *ins.*	Days.	Amount. *ins.*	Days.
January,	0.870	30	3	0.71	4	0.75	1
February,	2.700	95	13	2.54	9	4.04	11
March,	2.470	70	12	2.16	9	1.72	5
April,	14.890	83	11	13.72	10	18.52	7
May,	4.860	57	18	5.64	9	6.63	12
June,	31.360	84	20	26.74	17	33.58	15
July,	13.610	78	19	16.01	15	18.13	16
August,	28.115	129	20	28.81	21	33.37	19
September,	5.500	53	13	5.97	9	6.71	10
October,	2.510	25	6	2.59	4	2.19	4
November,	0.760	12	3	0.45	2	1.62	3
December,	1.250	32	6	1.03	2	1.36	1
Year,	108.925	748	141	106.37	111	128.95	104

TABLE XII.

Total Number of Days on which Different Meteorological Phenomena were noted and Total Number of Thunderstorms during each Month of the Year, 1885.

Month.	Fog.	Electric Phenomena.	Lightning.	Thunder.	Thunderstorms.	Unusual Visibility.	Dew.	Rainbows.	Lunar Halo.	Lunar Corona.	Solar Halo.	Sol Cor
January,	1	0	0	0	0	4	5	0	0	0	0	[illegible]
February,	0	0	0	0	0	3	1	0	0	0	0	[illegible]
March,	11	4	4	3	1	3	9	0	0	0	2	[illegible]
April,	1	15	14	12	5	1	11	0	0	0	1	[illegible]
May,	1	13	10	10	1	5	3	1	0	0	1	[illegible]
June,	0	14	14	5	1	7	6	0	4	2	2	[illegible]
July,	1	13	13	4	2	5	5	1	9	2	5	[illegible]
August,	3	21	21	11	5	4	7	4	7	3	4	[illegible]
September,	5	9	9	2	0	3	9	2	0	0	0	[illegible]
October,	1	1	1	2	1	3	4	0	0	0	1	[illegible]
November,	2	2	2	1	0	3	5	0	1	3	0	[illegible]
December,	3	0	0	0	0	3	5	0	2	0	0	[illegible]
Sums,	29	95	91	50	19	44	68	8	23	10	16	[illegible]

TABLE XIII.

Total Number of Times that Clouds of different forms were observed in each Month of the Year, 1885.

Month.	c.	c-str.	c-cum.	sun-cum.	cum.	cum-str.	str.	R-cum.	cum-nim.	[illegible]
January,	1	1	8	28	90	0	17	25	54	[illegible]
February,	1	0	6	13	32	0	56	19	92	[illegible]
March,	1	4	10	7	66	0	19	14	70	[illegible]
April,	2	4	23	20	97	3	16	18	55	[illegible]
May,	6	19	11	5	122	10	9	24	70	[illegible]
June,	10	41	24	20	126	2	29	6	35	[illegible]
July,	6	43	27	15	99	20	22	17	41	[illegible]
August,	12	32	23	24	92	7	36	3	55	[illegible]
September,	2	12	14	42	120	15	17	16	33	[illegible]
October,	2	4	9	54	114	4	12	25	15	[illegible]
November,	0	15	8	60	73	3	16	20	8	[illegible]
December,	2	18	13	18	77	2	6	25	23	[illegible]
Sums,	45	193	176	306	1108	66	255	212	551	[illegible]

TABLE XIV.

Mean Percentage of Clouded Sky and Mean Diurnal Variation in each Month of the Year 1885.

Month.	1 a.	4 a.	7 a.	10 a.	1 p.	4 p.	7 p.	10 p.	Mean.
nuary,	+ 3	+ 5	+ 7	− 1	+ 1	− 4	− 5	− 2	69
bruary,	− 3	− 7	+ 1	0	+ 3	+ 4	0	0	94
rch,	+ 1	+ 5	+ 9	+ 2	− 7	− 4	+ 1	− 3	70
ril,	+ 5	− 5	+ 8	0	0	0	− 7	− 4	76
y,	+ 8	− 5	+ 9	− 2	0	+ 3	− 4	−10	74
ne,	0	− 4	− 1	− 3	+ 3	+ 7	+ 5	− 7	74
ly,	− 9	− 3	+ 5	0	0	0	+ 8	− 3	74
gust,	− 7	0	+ 3	+ 1	− 1	+ 3	+ 6	− 7	75
ptember,	0	+ 5	+10	− 8	− 1	+ 5	0	−11	65
ctober,	+ 2	+11	+ 5	− 2	− 1	− 4	− 6	− 4	50
vember,	+ 5	+ 8	+12	− 4	− 3	− 8	−13	0	46
cember,	+ 5	+ 4	0	0	− 3	− 2	− 7	+ 1	43
ean,	+0.8	+1.2	+5.7	−1.4	−0.7	0.0	−1.8	−4.2	67

TABLE XV.

Mean Sea Disturbance in each Month of the Year 1885.

Month.	4 a.	10 a.	4 p.	10 p.	Mean.
nuary,	4.2	4.3	4.3	4.4	4.3
bruary,	4.3	4.4	4.1	4.3	4.3
rch,	2.8	2.8	2.8	2.8	2.8
ril,	2.7	2.8	2.7	2.6	2.7
y,	2.8	3.1	2.8	2.8	2.9
ne,	2.2	2.1	2.2	1.9	2.1
ly,	1.8	1.7	1.7	2.0	1.8
gust,	1.5	1.7	1.8	1.7	1.7
ptember,	0.9	1.4	1.3	1.7	1.3
ctober,	2.7	2.8	2.3	2.6	2.6
vember,	2.1	2.4	2.0	2.2	2.2
cember,	2.1	2.3	2.2	2.0	2.2
ean,	2.5	2.65	2.5	2.6	2.6

TABLE XVI.

Monthly Extremes of the Principal Meteorological Elements Registered at the Observatory during the Year 1885.

Month.	Barometer.		Temperature.		Humidity.	Vapour Tension.		Rain.		Wind Velocity.	Radiation.	
	Max.	Min.	Max.	Min.	Min.	Max.	Min.	Daily Max.	Hourly Max.	Max.	Sun Max.	Ter. Min.
1885.												
January, ...	30.270	29.919	71.1	45.6	58	0.531	0.251	0.705	0.250	35	136.1	[illegible]
February, ...	30.293	29.756	69.4	45.0	57	0.633	0.256	1.050	0.130	39	129.9	[illegible]
March, ...	30.244	29.726	77.1	48.8	56	0.697	0.257	0.710	0.335	40	138.8	[illegible]
April, ...	30.021	29.634	83.1	61.7	60	0.834	0.524	5.210	2.420	38	150.0	[illegible]
May, ...	29.962	29.478	87.4	66.5	69	0.949	0.618	1.450	1.130	38	149.5	[illegible]
June, ...	29.864	29.437	89.3	71.3	49	1.001	0.598	12.630	2.200	38	159.8	[illegible]
July, ...	29.882	29.463	88.6	73.8	56	0.969	0.664	4.250	1.430	39	158.7	[illegible]
August, ...	29.801	29.271	88.2	73.5	62	0.957	0.729	6.555	2.140	53	152.5	[illegible]
September, ...	29.984	29.517	88.3	73.1	40	0.924	0.432	2.270	0.690	32	157.4	[illegible]
October, ...	30.025	29.752	85.9	64.3	41	0.848	0.306	2.120	0.295	34	151.9	[illegible]
November, ...	30.311	29.743	79.7	55.0	23	0.740	0.149	0.535	0.400	30	142.2	[illegible]
December, ...	30.290	29.757	76.3	50.8	29	0.637	0.136	1.025	0.350	33	142.9	[illegible]
Year, ...	30.311	29.271	89.3	45.0	23	1.001	0.136	12.630	2.420	53	159.8	[illegible]

TABLE XVII.

Monthly Extremes of the Principal Meteorological Elements Registered at Victoria Peak during the Year 1885.

Month.	Barometer.		Temperature.		Humidity.	Vapour Tension.		Rain.	Wind Force.	Radiation.	
	Max.	Min.	Max.	Min.	Min.	Max.	Min.	Daily Max.	Max.	Sun Max.	Ter. Min.
1885.											
January, ...	28.419	28.142	65.8	40.0	71	0.522	0.220	0.75	6	128.0	[illegible]
February, ...	28.445	28.016	67.8	39.0	69	0.550	0.222	1.65	6	123.0	[illegible]
March, ...	28.388	28.019	71.7	42.0	49	0.633	0.235	0.75	6	138.0	[illegible]
April, ...	28.252	27.950	75.3	56.4	82	0.776	0.481	8.40	7	139.4	[illegible]
May, ...	28.225	27.806	76.5	62.0	81	0.852	0.529	1.80	6	140.2	[illegible]
June, ...	28.135	27.809	81.3	69.0	63	0.934	0.563	14.50	7	151.0	[illegible]
July, ...	28.170	27.805	83.3	70.8	71	0.919	0.622	4.42	7	149.0	[illegible]
August, ...	28.088	27.675	81.3	71.0	74	0.921	0.631	9.20	8	150.0	[illegible]
September, ...	28.248	27.855	79.6	66.0	69	0.860	0.529	2.56	6	152.8	[illegible]
October, ...	28.266	28.079	78.1	60.0	60	0.791	0.356	1.36	6	149.0	[illegible]
November, ...	28.479	28.048	74.3	52.2	34	0.726	0.185	1.20	7	138.0	[illegible]
December, ...	28.459	28.050	68.8	47.0	55	0.611	0.209	1.36	6	137.0	[illegible]
Year, ...	28.479	27.675	83.3	39.0	34	0.934	0.185	14.50	8	152.8	[illegible]

TABLE XVIII.

ge Readings of Solar Radiation Thermometers and Excess over Maximum Thermometers as well as Excess of Minimum over Terrestrial Radiation Thermometers, Mean Weight of Aqueous Vapour in Troy Grains in each cubic foot of air and Diurnal Range of Temperature at the Observatory and at the Peak, and average height in feet at which the Temperature of the air was 1° lower during 1885.

Month.	Solar Radiation Thermometer.		Solar Radiation. Excess over Maximum.		Terrestrial Radiation.		Weight of Aqueous Vapour.		Diurnal Range.		Height of 1° Decrease.
	Observatory.	Peak.	Observatory.	Peak.	Observatory.	Peak.	Observatory.	Peak.	Observatory.	Peak.	
1885.											
ary, ...	112.8	107.2	49.8	51.8	+2.5	+1.0	4.24	3.96	7.6	8.7	225
ruary, ...	91.4	90.0	33.0	39.0	+2.0	+0.2	3.91	3.64	6.1	5.7	251
rch, ...	113.2	109.5	47.8	48.6	+2.4	−0.1	5.03	4.67	8.3	9.2	397
il, ...	126.7	121.1	51.7	51.3	+1.3	+1.1	7.23	6.73	8.0	6.9	417
y, ...	136.5	122.7	55.2	48.9	+2.2	+0.8	8.75	8.08	6.9	4.7	275
e, ...	139.0	127.3	54.2	50.6	+2.9	+0.9	9.36	8.64	7.3	4.5	275
y, ...	140.3	126.9	55.8	49.1	+2.4	+0.1	9.31	8.80	6.8	4.8	294
gust, ...	135.6	126.4	52.0	48.9	+2.3	+0.7	9.19	8.75	7.2	5.0	328
tember, ...	144.3	137.3	61.8	61.0	+2.7	+0.7	8.43	8.12	6.5	5.7	311
tober, ...	139.8	135.6	61.7	62.4	+3.3	+1.3	6.61	6.69	5.7	7.2	294
vember, ...	132.0	127.2	60.2	61.9	+4.6	+2.8	4.60	5.08	7.5	6.3	285
cember, ...	124.8	122.3	57.6	61.2	+4.1	+2.5	4.64	4.87	6.9	5.6	322
Mean, ...	128.0	121.1	53.4	52.9	+2.7	+1.0	6.77	6.50	7.1	6.2	306

W. DOBERCK,
Government Astronomer.

Hongkong Observatory, 16th March, 1886.

FIVE-DAY MEANS OF THE PRINCIPAL METEOROLOGICAL ELEMENTS FOR 1885.

The following five-day means have been constructed according to the recommendations of the International Meteorological Congress.

Hongkong Observatory: The first column exhibits the height of the barometer in inches reduced to 32° Fahrenheit but not to sea level. The cistern is 110 feet above mean sea level. The means have been derived from the hourly readings.

The second column exhibits the temperature in degrees Fahrenheit as derived from the hourly readings.

The third and fourth columns exhibit the relative humidity in percentage of saturation and the vapour tension in inches of mercury as derived from the means of the hourly readings of the dry and damp bulb thermometers.

The fifth column exhibits the velocity of the wind in miles per hour derived from the hourly readings.

The sixth column exhibits the percentage of the whole sky, that was covered by clouds, from observations made every three hours.

The seventh column exhibits the average daily number of hours during which the sun shone bright enough to mark the cards.

The eighth column exhibits the average amount of rain in inches that fell in one day, from mid-night to mid-night as derived from the hourly readings.

Victoria Peak: The first column exhibits the height of the barometer in inches reduced to 32° Fahrenheit but not to sea level as derived from tri-diurnal observations. The cistern is 1819 feet above mean sea level.

The second column exhibits the temperature as derived from observations made at 10 a. and 10 p.

The third and fourth columns exhibit the relative humidity and tension of vapour as derived from tri-diurnal observations.

The fifth column exhibits the force of the wind (0-12) as derived from tri-diurnal observations.

The sixth column exhibits the average amount of rain in inches, that fell in one day as measured at 10 a. and entered to preceeding day.

HONGKONG OBSERVATORY.

Day Period.	Barometer.	Temperature.	Humidity.	Vapour Tension.	Wind Velocity.	Nebulosity.	Sunshine.	Rain.
...ary 1– 5	30.125	61.2	77	0.421	17.6	33	7.5	0.000
" 6–10	.051	62.1	77	.432	20.9	56	5.2	0.000
" 11–15	.067	58.6	73	.366	14.8	81	3.0	0.000
" 16–20	.085	55.8	76	.344	16.2	86	2.1	0.016
" 21–25	.107	61.7	82	.455	17.7	83	2.5	0.000
" 26–30	.165	54.0	77	.323	14.0	83	2.0	0.158
...uary 31– 4	.158	55.6	73	.323	14.2	70	4.3	0.006
" 5– 9	29.885	59.4	87	.446	19.1	94	1.0	0.043
" 10–14	30.013	55.8	81	.363	21.8	98	0.6	0.007
" 15–19	.054	53.0	79	.320	16.9	100	0.0	0.010
" 20–24	.041	53.3	83	.339	16.9	91	0.1	0.248
" 25– 1	.091	52.7	76	.303	11.8	91	1.5	0.226
...rch 2– 6	29.974	61.3	82	.449	12.4	22	8.9	0.000
" 7–11	30.080	57.0	81	.378	22.5	85	2.1	0.011
" 12–16	30.107	54.9	81	.353	15.8	82	2.1	0.236
" 17–21	29.997	59.8	85	.440	13.3	71	3.3	0.024
" 22–26	.826	67.6	90	.610	11.4	78	4.0	0.040
" 27–31	.930	63.8	91	.541	21.4	87	3.1	0.183
...ril 1– 5	.876	68.5	92	.639	17.4	77	5.7	0.000
" 6–10	.863	70.4	91	.682	16.8	69	4.6	0.050
" 11–15	.858	71.9	86	.680	16.4	72	6.5	0.000
" 16–20	.797	69.9	93	.683	17.9	93	1.3	1.134
" 21–25	.875	68.0	87	.600	19.3	78	2.9	0.817
" 26–30	.757	73.5	88	.727	12.5	65	6.4	0.977
...y 1– 5	.885	71.6	91	.799	17.9	83	3.1	0.322
" 6–10	.832	76.1	88	.790	12.4	60	7.4	0.015
" 11–15	.625	76.5	89	.812	18.9	96	2.1	0.223
" 16–20	.719	76.9	88	.810	15.0	88	3.9	0.007
" 21–25	.752	81.7	83	.895	13.5	75	6.9	0.116
" 26–30	.764	81.8	82	.885	10.3	45	8.7	0.118
...ne 31– 4	.759	81.2	81	.863	8.8	51	9.0	0.174
" 5– 9	.710	78.4	81	.791	14.9	76	5.0	1.987
" 10–14	.707	78.6	86	.846	13.9	93	1.6	3.601
" 15–19	.668	81.8	82	.895	16.4	96	0.7	0.083
" 20–24	.661	80.6	88	.923	19.8	77	5.1	0.571
" 25–29	.579	82.4	86	.957	7.9	49	10.6	0.027
" 30– 4	.526	81.8	86	.936	13.6	96	0.6	0.636
...ly 5– 9	.667	81.5	83	.890	19.5	90	4.7	0.633
" 10–14	.779	80.9	83	.873	13.8	76	7.3	0.128
" 15–19	.597	81.4	78	.839	6.6	26	11.8	0.000
" 20–24	.584	82.4	79	.880	8.0	70	8.1	0.010
" 25–29	.597	79.1	88	.878	5.4	80	3.4	0.996
...gust 30– 3	.514	78.8	90	.882	10.2	96	1.9	1.363
" 4– 8	.639	79.9	86	.877	7.6	55	7.7	0.434
" 9–13	.622	79.3	83	.835	10.9	69	6.6	0.276
" 14–18	.628	80.2	82	.848	21.9	83	5.0	0.521
" 19–23	.690	80.9	83	.873	9.5	54	6.6	0.282
" 24–28	.517	81.1	82	.873	15.3	90	2.2	2.023
...ptember 29– 2	.662	78.8	89	.880	4.8	93	2.6	1.086
" 3– 7	.613	80.2	85	.878	5.1	68	5.8	0.510
" 8–12	.603	77.9	88	.844	7.3	94	2.0	0.445
" 13–17	.780	77.9	72	.687	12.3	73	5.1	0.031
" 18–22	.849	78.0	79	.758	13.0	40	9.2	0.008
" 23–27	.838	79.5	81	.810	7.3	44	7.0	0.022
October 28– 2	.943	77.8	76	.727	11.6	48	6.9	0.047
" 3– 7	.849	78.6	72	.706	9.5	41	8.3	0.012
" 8–12	.899	74.4	76	.646	16.2	58	5.2	0.424
" 13–17	.876	76.8	70	.650	15.0	47	8.2	0.061
" 18–22	.931	75.2	73	.638	17.5	53	7.6	0.005
" 23–27	.944	71.0	54	.417	13.1	55	6.6	0.000
November 28– 1	.946	73.3	74	.607	18.2	50	7.8	0.000
" 2– 6	.968	70.8	61	.480	13.7	32	8.3	0.108
" 7–11	.916	71.9	67	.521	8.4	32	8.6	0.008
" 12–16	30.178	65.7	59	.385	15.0	35	7.8	0.000
" 17–21	.082	69.2	58	.425	12.8	69	5.7	0.000
" 22–26	.098	64.6	58	.352	11.0	87	2.4	0.036
December 27– 1	.138	64.3	56	.349	13.1	20	8.6	0.000
" 2– 6	.075	68.0	80	.549	13.7	43	7.2	0.000
" 7–11	29.984	66.5	79	.519	14.0	49	7.0	0.031
" 12–16	30.077	60.5	51	.274	9.7	22	9.6	0.000
" 17–21	29.998	63.4	67	.396	16.5	51	6.6	0.000
" 22–26	29.892	65.7	83	.537	13.6	80	3.1	0.219
" 27–31	30.181	56.8	54	.253	15.9	13	9.0	0.000

VICTORIA PEAK.

Five-Day Period.	Barometer.	Temperature.	Humidity.	Vapour Tension.	Wind Force.	Rai
January 1– 5	28.332	55.8	81	0.376	4.1	0.0
" 6–10	.275	55.4	89	.407	4.5	0.0
" 11–15	.262	49.5	90	.329	4.1	0.0
" 16–20	.271	47.1	90	.308	4.5	0.0
" 21–25	.324	54.9	95	.423	3.9	0.0
" 26–30	.338	45.9	90	.292	4.1	0.1
February 31– 4	.337	48.4	86	.301	3.9	0.0
" 5– 9	.099	54.4	95	.417	4.5	0.0
" 10–14	.200	48.9	94	.332	4.4	0.1
" 15–19	.223	44.9	94	.285	4.7	0.0
" 20–24	.206	46.2	97	.309	4.5	0.3
" 25– 1	.262	45.6	88	.275	4.1	0.0
March 2– 6	.213	59.5	79	.419	3.4	0.0
" 7–11	.263	50.2	89	.335	4.9	0.0
" 12–16	.276	48.8	95	.332	4.5	0.3
" 17–21	.221	56.5	85	.397	3.8	0.0
" 22–26	.085	64.2	92	.565	4.2	0.2
" 27–31	.159	59.9	94	.501	4.3	0.0
April 1– 5	.140	64.8	91	.578	4.3	0.0
" 6–10	.148	66.6	95	.629	4.9	0.0
" 11–15	.127	67.2	91	.627	3.9	0.0
" 16–20	.078	67.0	97	.648	4.4	1.0
" 21–25	.124	62.9	94	.549	4.5	0.0
" 26–30	.040	69.1	94	.678	4.4	1.3
May 1– 5	.141	66.1	95	.619	4.1	0.0
" 6–10	.116	70.6	96	.729	4.2	0.3
" 11–15	27.925	71.3	97	.744	4.9	0.3
" 16–20	28.006	71.7	95	.748	3.9	0.0
" 21–25	.069	74.1	97	.821	4.6	0.1
" 26–30	.077	74.3	95	.811	4.5	0.2
June 31– 4	.073	74.4	92	.790	4.1	0.0
" 5– 9	.007	71.9	91	.725	4.5	1.3
" 10–14	.018	73.1	94	.769	4.9	4.0
" 15–19	27.992	74.8	98	.844	5.3	0.1
" 20–24	.982	74.8	96	.829	4.6	0.0
" 25–29	.921	76.7	92	.854	3.6	0.0
" 30– 4	.850	76.0	96	.872	4.7	1.0
July 5– 9	.987	74.7	97	.844	5.4	0.2
" 10–14	28.080	74.6	94	.815	4.4	0.1
" 15–19	27.922	74.4	91	.790	3.6	0.0
" 20–24	.903	76.2	90	.829	4.1	0.1
" 25–29	.923	74.7	95	.815	4.5	1.0
August 30– 3	.837	74.2	96	.811	4.7	2.0
" 4– 8	.964	74.8	95	.822	3.6	0.1
" 9–13	.946	75.2	91	.807	3.9	0.1
" 14–18	.937	74.3	93	.794	5.6	0.5
" 19–23	.999	75.0	93	.820	4.0	0.3
" 24–28	.853	75.0	95	.835	5.5	2.7
September 29– 2	.970	73.8	97	.813	4.1	0.0
" 3– 7	.938	74.9	92	.810	3.3	0.3
" 8–12	.925	72.8	95	.774	4.1	0.0
" 13–17	28.063	71.6	86	.677	4.7	0.0
" 18–22	.141	71.8	90	.720	3.6	0.0
" 23–27	.139	74.3	93	.799	4.3	0.0
October 28– 2	.213	72.1	88	.703	4.3	0.0
" 3– 7	.143	73.2	84	.700	3.9	0.0
" 8–12	.176	68.2	89	.622	4.9	0.1
" 13–17	.163	70.1	86	.651	4.4	0.0
" 18–22	.201	68.6	88	.627	4.5	0.0
" 23–27	.195	65.0	75	.473	4.4	0.0
November 28– 1	.205	67.1	88	.595	4.9	0.0
" 2– 6	.217	65.0	77	.505	4.3	0.1
" 7–11	.188	66.1	84	.557	3.3	0.2
" 12–16	.396	59.9	81	.432	4.6	0.0
" 17–21	.332	62.1	82	.476	4.1	0.0
" 22–26	.322	58.9	77	.388	4.2	0.0
December 27– 1	.360	57.7	79	.393	3.8	0.0
" 2– 6	.317	63.5	89	.535	4.0	0.0
" 7–11	.234	61.2	91	.506	4.1	0.0
" 12–16	.295	55.1	80	.360	4.2	0.0
" 17–21	.222	56.6	86	.404	4.7	0.0
" 22–26	.143	61.8	93	.523	4.7	0.5
" 27–31	.369	50.8	79	.300	4.9	0.0

Hongkong Observatory, 17th March, 1886.

W. DOBERCK,
Government Astrono

EPORT ON THE ASTRONOMICAL INSTRUMENTS AT THE OBSERVATORY AND ON THE TIME-SERVICE OF HONGKONG IN 1885.

The main purpose of the astronomical branch of the Observatory is the determination of local me, but instruments are also available for making observations of such astronomical phenomena as ppen to be parricularly conspicuous in this region.

Local time is determined by aid of the transit-instrument, by Troughton and Simms, of three feet cal length with object glass of three inches aperture. Two setting circles, read off by levels, are xed on the telescope near the eye-end, an arrangement very handy for observing stars passing the eridian in quick succession. The axis is perforated for side-lamps. The pivots are made of chilled ll-metal. There is no perceptible difference between their diameters, but minute irregularities appear exist, though too small to allow their exact amount to be determined by aid of the axis-level. The tter is used for obtaining the inclination of the axis, which is done to about one inch in thirty miles. similar level to show seconds for use with the zenith micrometer, in the observation of differences of enith distances on either side of the zenith, is fixed and can revolve at right angles to the axis.

The eye-piece is furnished with seven fixed vertical wires and one moveable. The latter is moved y aid of a screw, the value of one revolution of which is 60.″62 as obtained by aid of Polaris on ebruary 28th and April 16, 1884. The number of entire revolutions traversed by the wire is read n a comb seen in the field of vision and the decimals are read on the head of the screw, which is ivided to hundredths, so that the space traversed is read off to within 0.″06. But the moveable wire fter a short time began to get entangled with the permanent wires and broke after a few months. ow although this wire materially facilitates the accurate determination of the constants of the instrument and the azimuth of the meridian-marks, this assistance would be too dearly bought, were the ires to become constantly deranged and frequently broken, so that new wire-distances &c. would have o be determined. This wire has therefore not been refixed.—The distances of the six wires from the iddle wire were determined from about 19 transits of Polaris in 1884 as follows, (upper transit lamp west):—

$$20^s.703,\ 10^s.441,\ 5^s.132\ \Big|\ 5^s.245,\ 10^s.250,\ 20^s.725$$

These values may be trusted to within a hundredth of a second.—In 1884 and 1885 transits over even wires were observed, but since the beginning of 1886 the transits are observed over the five quidistant wires, which is much more convenient and just as accurate. There are three Ramsden ye-pieces, of which no use is made as high objects cannot be seen with them, but a long diagonal ye-piece is in constant use and is in fact hardly ever detached, to which circumstance the permanency f the seven wires may be ascribed. A bag of camphor is kept in the hollow axis of the instrument in rder to keep away insects.

There are also two horizontal wires, about a minute of arc asunder, in the middle between which he object to be observed is placed. In order to observe differences of zenith-distance for latitude, the ye-piece can be revolved a quarter circumference round its axis, so that the vertical wires including the oveable wire are placed horizontal. But as the instrument is in constant use as a transit, there are o opportunities for such work, which is moreover superfluous, as the latitude was accurately determined by Colonel PALMER in 1882.

The telescope rests upon a cast-iron stand with reversing apparatus (essentially an excentric ircle acted on by a lever). The latter is so perfect that any change of inclination caused by the reversion has never been perceived. The inclination and azimuth are adjusted by screws fixed on either side of the stand. The changes in these constants are probably caused mainly by expansion or contraction of the adjusting screws with changes of temperature. The stand rests on a portland stone slab (3 feet long, 1½ feet broad and 1 foot thick), which is laid in cement on top of a brick pier, sunk 5 feet deep in the ground, where it is surrounded by a cylinder also built in brick to protect it from surface-oscillation of the ground. The part of the pier above the floor is neatly cased in teak wood and does not touch the floor.

The constants of the instrument were determined as follows in 1884 and 1885: the error of collimation, c, (90° + c being the angle between the optical axis of the telescope and the axis of rotation on the side that carries the clamp) and the azimuth, a, (90°−a being the azimuth, counting from south towards west, of the westend of the axis) were determined from observations of Polaris in connection with stars near the zenith and near the southern horizon. The inclination, b, or the altitude above the horizon of the westend of the axis was obtained by aid of the level.

we have then:

$$\Delta T = \alpha - T - a \sin(\phi - \delta) \sec \delta - b \cos(\phi - \delta) \sec \delta \mp c \sec \delta.$$

Where T is the observed clock-time of the mean of the transits over the wires, reduced to middle wire, ΔT the clock-correction, α the right ascension and δ the declination of the star, ϕ the latitude of the observatory. Upper or lower sign is to be taken according as the clamp is or east of the meridian, and when the star is sub polo $180° - \delta$ must be substituted for δ.

The sun is observed through a circular opening (larger than the object glass) in a white screen.

The total number of transits observed in 1884 amounted to 505, including 55 transits of Pol 25 of the Sun and 19 of the Moon and also a number of southern stars. The inclination of the was observed 150 times.—The total number observed in 1885 was 313, including 14 transits of Pol 20 of the Sun and 7 of the Moon and also a number of southern stars. The inclination of the axis observed 117 times.

The values of the constants in 1884 and 1885 are exhibited in the following table. Where values are given under the same date, the last one was obtained from Polaris sub polo. Where is drawn, it indicates that the instrument was adjusted.

Date.	c.	b.	a.	Date.	c.	b.	a.	Date.	c.	b.
1884.				1884.				1885.		
Oct. 5,	−1".65	+2".27	+12".6	Nov. 29,	...	−3".70	+ 4".3	Jan. 2,	−1".05	+3".50
„ 6,	−1.80	+0.37	+13.7	„ 30,	...	−3.15	+ 7.5			
„ 21,	−1.50	−1.60	+14.9	Dec. 1,	...	−2.85	+ 6.9	Jan. 4,	...	+0.40
„ 22,	...	−1.10	+15.6	„ 7,	...	−5.50	+ 3.2	„ 5,	−1.20	+0.45
„ 23,	−0.75	−2.35	+16.4	„ 9,	...	−5.15	+ 4.8	„ 20,	...	−2.20
„ 25,	−1.50	−2.22	+13.3	„ 9,	...	−6.72	+ 4.9	„ 22,	...	−2.78
				„ 10,	−1.35	−7.03	+ 6.8	Mar. 5,	...	−3.45
Oct. 31,	...	−2.32	+ 4.6	„ 10,	...	−5.57	+ 4.8	„ 15,	−0.45	−7.70
Nov. 4,	...	−1.95	+ 6.2							
				Dec. 11,	...	+0.42	0.0	Apr. 13,	−0.90	+3.42
Nov. 5,	...	+2.95	+ 5.4	„ 11,	...	+1.60	− 1.5	June 7,	−1.05	+2.62
„ 5,	−1.65	...	+ 3.6	„ 12,	...	+0.70	+ 2.7			
„ 8,	−2.25	+1.52	+ 3.9	„ 13,	...	−0.83	+ 1.3	June 25,	−2.10	− 3.47
„ 13,	...	+3.20	+ 6.8	„ 15,	...	+1.77	− 1.9	„ 26,	−2.25	− 3.42
„ 22,	−0.60	−4.78	+ 5.2	„ 19,	...	−0.50	− 0.2	„ 27,	−2.25	− 4.07
„ 23,	−1.20	−3.67	+ 3.7	„ 21,	...	+0.20	− 2.2	Oct. 2,	−2.10	− 2.95
„ 24,	−1.50	−4.63	+ 4.3	„ 22,	...	+0.87	− 2.1	„ 29,	−2.40	− 5.00
„ 25,	−2.25	−4.45	+ 4.5	„ 26,	...	−0.26	+ 1.3	Dec. 8,	−2.25	− 9.93
„ 27,	−1.35	−2.45	+ 6.8	„ 28,	...	+1.03	− 3.8	„ 29,	−1.05	−13.92
„ 28,	−1.05	−3.40	+ 5.1	„ 29,	...	+1.67	+ 2.3			

A disc of white enamel with black cross mounted on a metal plate with movement by screws is fixed on a slate slab, which is cemented into a solid masonry pier built about 70 feet north the transit instrument. It is observed through an object glass of about 66 feet focal length, which fixed in a brass plate just inside the northern shutter.—There is also a meridian mark 11354 feet the south, which may be observed across the harbour except of course at night or in foggy weather. has the form of an obelisk and is marked with a vertical black line between two black circles.

The shutters of the transit room are a foot wide, quite sufficient for an object glass of 3 inc aperture. The room has 6 windows and 2 doors to equalize temperature but was unfortunately built the wrong side of the observatory, the windy side, before my arrival here.

The standard sidereal clock by E. Dent & Co., was described by the makers as being of the best possible construction and the study of its rate affords therefore a testimony of the quality of work at present issued by that firm.—It has a cast iron back, which is firmly screwed to iron cemented in the pier placed in the clockroom. The pendulum has the zinc and steel compensat originally designed for the Transit of Venus Expeditions. The dial is painted black with white and figures. The dead-beat escapement is executed with the greatest care. It has also a gald contact apparatus omitting one second each minute, with horizontal and vertical adjustments. works a three-current relay by aid of one or two bichromate cells. A sympathetic electro-magn dial in the transit room is worked by a strong current through the relay.

This dial is an exact counterpart of the dial of the standard clock.—It was actually worke 1884 and part of 1885 but the contact apparatus was found to interfere with the going of the stand clock. The teeth of the wheel on the second hand arbor, that press the springs while the pendul is not touching the pallets, being so very badly constructed that they are of unequal size even to unaided vision. The sympathetic dial had therefore to be rejected and the observations are now m with a chronometer which is subsequently compared with the standard clock. While the observati are, as at present, confined to the determination of local time, the use of a chronometer is just convenient as the sympathetic dial, the keeping in working order of which takes up part of assistant's time. Besides, the omission of a second every hour on the dial is a serious drawback in and ear-observations, of however great advantage it is in working a chronograph.

The mean daily rates during ten-day periods of the sidereal standard clock are exhibited in the following table, where + means losing and − gaining rate.

RATE OF SIDEREAL STANDARD CLOCK.

Period.		Rate.	Temp.	Bar.	Period.		Rate.	Temp.	Bar.
	1885.					1885.			
January	1–10,	+1ˢ.28	63°.7	30.09	June	24– 4,	−0ˢ.18	82°.8	29.55
„	10–20,	.46	63 .4	.08	July	4–14,	.15	82 .1	.72
„	20–30,	.58	59 .3	.14	„	14–24,	− .03	82 .9	.59
„	30– 9,	.60	58 .3	.02	„	24– 3,	+ .05	80 .9	.55
February	9–19,	.61	59 .3	.03	August	3–13,	.09	80 .8	.63
„	19– 1,	.73	58 .4	.07	„	13–23,	+ .13	80 .9	29.66
March	1–11,	.61	62 .0	.03					
„	11–21,	.61	62 .1	30.05		Clock stopped.			
„	21–31,	.20	76 .1	29.88					
„	31–10,	1.07	73 .7	.87	September	7–17,	−1 .28	79 .1	29.69
April	10–20,	0.90	76 .0	.83	„	17–27,	.24	79 .8	.84
„	20–30,	1.00	74 .0	.82	„	27– 7,	.37	80 .0	.90
„	30–10,	.02	73 .5	.86	October	7–17,	.33	78 .0	.89
May	10–20,	.02	77 .0	.67	„	17–27,	.24	74 .5	.94
„	20–30,	.06	80 .8	.76	„	27– 6,	1.06	73 .7	29.96
„	30– 9,	+1 .09	80 .7	29.73	November	6–16,	0.96	70 .8	30.04
					„	16–26,	.91	69 .0	.09
	Clock stopped.				„	26– 6,	.86	67 .5	.10
					December	6–16,	.95	67 .4	30.03
June	14–24,	−0 .14	80 .9	29.66	„	16–26,	.93	66 .4	29.94

The clock stopped in the thunderstorm of the 12th June and the rate was adjusted. It stopped again in the thunderstorm on the 23rd August, and the rate was adjusted after finally disconnecting the contact springs. The clock has not stopped since that time.

From the rates registered between the 1st January and the 9th June the following equations of condition were constructed:

$$X + 8.6\,Y + 0^s.28 = 0$$
$$X + 3.0\,Y + 0^s.23 = 0$$
$$X - 7.2\,Y - 0^s.19 = 0$$
$$X - 11.2\,Y - 0^s.33 = 0$$

where the mean rate at 70° Fahrenheit is assumed $= +1^s.30$, and where X is the correction to this and Y the temperature coefficient or the change of rate for an increase of 1° Fahrenheit. The following are the normal equations obtained by the method of least squares:

$$+ 4.0\,X - 6.8\,Y - 0.01 = 0$$
$$- 6.8\,X + 260.2\,Y + 8.20 = 0$$

from which we obtain: $X = -0^s.053$ and $Y = -0^s.033$

and in consequence the rate at t degrees Fahrenheit was: $r_t = +1^s.247 - 0^s.033\,(t - 70^\circ.)$

The barometric coefficient was subsequently determined, but was found quite insensible,—a change of an inch in the height of the barometer causing a change of rate of apparently only $\frac{1}{36}$ of a second a day, but the mean height of the barometer in Hongkong falls so regularly as the mean temperature rises, that this coefficient cannot well be separately determined. It may however be assumed to be very minute as the bob of the pendulum is heavy and swings in a rather large arc (about 3° 4′).

From the rates registered between the 14th June, and the 23rd August the coefficient cannot be determined, as the temperature was nearly constant, to which may also be ascribed the very small change of rate exhibited during the summer. The rates subsequent to the 7th September will be discussed in next year's report.

The mean-time clock is similar to the sidereal standard clock but the escapement &c. is not so highly finished. But it appears to go as well as the latter, the pendulums being apparently exact copies of one another. The dial is white with black figures and blue hands. It is not so firmly fixed to the second pier as the standard clock. It is furnished with galvanic contact springs, which are pressed every hour at the exact second and send a current through a reversing commutator worked by one Léclanché cell, by means of which the current that drops the time-ball at 1 p. is closed. Before this hour the clock must be set right, and that is effected by sending a current through a galvanic coil placed beneath a bar-magnet on the pendulum, which accelerates or retards the clock by either assisting or counteracting gravity according to the direction of the current, which is started and changed by aid of a simple commutator, made in Hongkong, as no such apparatus was supplied by Messrs. Dent & Co. The galvanic coil in the clock-case is unfortunately not strong enough. It takes nearly an hour and a half to correct an error of a second, though a very strong battery is used.

The clocks are fixed on brick piers built in cement and sunk in the ground, where they are protected from surface vibrations like the transit instrument. The dimensions above the floor are 6 feet high and 2 feet broad. The standard clock pier is 1½ feet the other pier 1 foot thick. The clocks are

facing each other and a desk with relays, commutators etc., stands between them as well as a table which the assistant sits, when comparing the clocks, setting the mean-time clock, noting the signals returned from the time-ball etc.

The rates of the clocks are adjusted by removing or adding flat horse-shoe shaped brass weights on a small shelf on the pendulums. Ten grains make a change of about a second a day in the rate. This is of course not done to the standard clock, except when it stops, but the rate of the mean time clock must be often altered and the wooden cases supplied by DENT & Co., although affording fairly good protection to the clockwork, have shown themselves to be at any rate not less inconvenient in a tropical climate, than they are known to be at home. Glass cases with cast-iron frames would be preferable, so much more as they would allow the interior to be at all times visible. They would of course be more expensive but would also be more durable. A glass of carbonate of potash is kept in the clock-case to absorb moisture.

The reversing commutator, through which the mean-time clock closes a local circuit consists of a polarized relay mounted on a base board and having two galvanometers on either side.

This polarised relay consists of a soft iron magnet mounted on pivots inside a hollow bobbin wrapped with insulated wire, and having soft iron projecting arms which work between the poles of permanent magnets. A contact lever is attached to the pivoted soft iron magnet and plays between two insulated contact screws capable of adjustment, and it is so adjusted that the contact lever is held by magnetic attraction against one of the contact screws (which we will call No. 1), when no current is flowing through the insulated wire of the reversing commutator.

The local circuit, which is closed by the hands of the clock pressing the contant springs, includes a battery of one Léclanché cell, the left hand galvanometer and the insulated wire of the reversing commutator. Two other sets of batteries, of twelve cells each, are also employed,—one set for locking and the other for discharging the electric lock of the time-ball. The negative pole of the locking battery is connected to the insulated contact screw No. 1 in the reversing commutator, and the positive pole of the discharging battery is connected to contact screw No. 2 of the reversing commutator. The other poles of these batteries are connected to the earth.

The time-wire, through which the signal is sent is connected through the right hand galvanometer to the contact lever of the reversing commutator, and excepting during the time the local circuit is closed by the clock, it is in electrical contact with No. 1 contact screw, that is from a quarter to, till five minutes past 1 p., for at other times the time-wire is disconnected from the relay and put direct to earth so as to avoid danger from lightning. This is so much more important as the line is not laid underground nor efficiently guarded by "lightning-protectors," as suggested by Colonel PALMER in 1881.

Facing the galvanometers on either side of the reversing commutator, are contact keys. Depressing the left one closes the local circuit (in the same way as the clock does every hour) and shows the condition of the local battery and whether the reversing commutator is acting properly. Depressing the right-hand key connects the time wire to earth, shows the condition of the locking and discharging batteries and the observatory-connections, and when the time-wire is connected through the galvanometer to the locking battery, any defect of insulation (from the line and earth wires touching each other or other causes) is shown by a deflection of the needle. Furthermore, every part of the electric apparatus is tested by setting the lock about 12 h. 49 m. 40s. p. without winding up the ball and discharging at 12 h. 50 m. 0s. by aid of the left key. This signal also informs the assistant in the ball-tower concerning the error of his watch, which he requires to know in order to hoist the ball at the proper time. The local circuit is completely tested by observing the deflection of the galvanometer hand at some hour before 1 p. It would be an advantage to let the clock discharge the lock at some hour before 1 p. but this cannot be done as no assistant is in the tower to set the lock before a quarter to one.

Although at present the time-service is, as far as the public is concerned, confined to the dropping of the time-ball, there would be no difficulty in dropping any number of time-balls along the coast giving hourly signals in the Harbour Office, principal clock makers shops, banks and other public buildings. If a cable were available, this could be effected by aid of the mean-time clock and the three current relay, but in order to drive sympathetic clocks in buildings in Hongkong similar to those worked from observatories in large towns in the United Kingdom, a separate clock of a somewhat different but not very refined construction would be required.

The time-ball tower is erected on Tsim-sha-tsui Point directly facing the shipping. It stands in front of the new police-station beside the mast for hoisting meteorological signals, at the foot of which the typhoon gun, pointed towards the city opposite, is placed. In the police boat-basin, at a short distance NW of the tower, the small tidal observatory is built. The time-ball tower is about half a mile distant from the observatory, with which it is, as already explained, connected by wire,—a separate wire, for exchanging messages on the A, B, C, system, connecting the observatory with the police station.

The base of the tower is about 40 feet above sea level and forms a circle of 20 feet diameter. It has two stories, and the roof of the upper story is hemi-spherical. The top of the tower is about 6[illegible] feet and the top of the mast projecting through the roof about 84 feet above sea level. On the ground floor is a massive granite pier, that supports the entire apparatus. On a copper plate (connected by conductor with an earthplate in the ground outside) rests the cast iron pneumatic cylinder of 10 inches

nal diameter into which a piston, attached to the lower end of the rack, carrying the time-ball, , producing a current of compressed air, that arrests the final descent of the ball without shocks concussion. In addition to different circular openings on opposite sides of the pneumatic cylinder, furnished with Varley's pressure relieving valve, which enables, by means of tightening a spring, amount of compression produced in the cylinder to be regulated and a greater distinctness to be ained in the signal. The spring at present is so adjusted as to cause the ball to rebound half a foot most a foot, which is not noticed by an observer whose attention is riveted on the very beginning the drop, which is best observed in a small binocular. Any one who looks at the drop with his naked may see the final rebound, but this is rather an indication that the very beginning of the drop was accurately observed by him.—About half a pint of oil is kept in the pneumatic cylinder and the ount of the rebound partly depends on this oil, a greater quantity of oil or water causing a larger ound. Any rainwater that has found its way into the cylinder is therefore allowed to run out ough a tap in the bottom at a quarter to one o'clock.—The ground floor affords room for keeping the eorological signals, when not in use.

A stair-case leads up to the upper floor, where the assistant stands when winding up the ball and king the lock. The ball is hoisted by aid of toothed gearing, a lever throwing the pinion, that rks into the forged iron rack in and out of gear as required. A girder passes across the centre ide the ball and through the slot cut in the upper projecting portion of the mast, which portion is de of steel. This girder is attached inside the mast to the upper end of the rack by which the ball ised. While the ball &c. is resting on the pinion, it is of course not possible to throw it out of gear. e piston is hoisted above the bolt of the lock, which is previously set, and slowly lowered. When e lever can be thrown out of gear, it shows that the piston with its superincumbent weight of nearly cwt. is securely resting on the bolt of the lock.

The electric lock is enclosed in a wooden box, which covers and protects it. It has only one rrow aperture through which the bolt protrudes. One side is glazed and allows the interior to be erved. It has also a small door through which the hammer is raised, which operation sets the lock d closes the locking current.

The bolt on which the ball hangs, is liberated by a blow from the very small brass hammer acting ough a series of levers inside the lock, the time occupied in discharging which does not exceed $\frac{1}{20}$ of econd. This sensitiveness and rapidity of action is obtained by the greatest accuracy of fitting and justment, so that the friction rollers attached to the levers in their discharge move over planes at an gle of exactly 90 degrees. If the angle be greater, when the piston is lowered on to the bolt, the ect will be to discharge the lock by the weight resting on the bolt, and therefore the apparatus not be set. Should the angle be less, then the apparatus will be firmly fixed by the weight of cwt. resting on the bolt and a much greater force than is available will be required to discharge it, this weight would have to be lifted through a small space before the bolt could be discharged.

Mr. Varley constructs these electric locks on the polarized system. The trigger is a jointed soft n armature, which strongly attracts the poles of a soft iron magnet, wrapped with insulated wire and ndered inductively magnetic by a powerful compound permanent magnet. A spiral spring attached one end to the armature and at the other to an adjusting screw is so adjusted as to nearly overcome e attractive force existing between the armature and the polarized electro-magnet. The time current en it arrives, polarizes the electro-magnet in the opposite direction to that induced by the permanent gnet and the effect is to release the armature, which is at once pulled away by the tension of the ring, which is however less than an ounce, and to discharge the lock with great rapidity.

The advantages claimed for the polarized system, apart from its rapidity of action and greater nsitiveness, is that by closing the circuit, as Mr. Varley does, in the first instance (when the piston resting on the bolt of the electric lock previous to the arrival of the 1 o'clock current), with say a gative current, which increases the attraction between the armature and the soft iron magnet, and king the clock at 1 p. reverse the direction to a positive current, that reverses the polarity of the iron magnet, the trigger is electrically locked, up to the time of sending the discharge current, and the locking current is stronger than any current likely to be produced by accidental contact with other circuit, the greatest security is obtained, that the ball does not fall before the circuit is closed the clock in the observatory.

As explained above, the electric lock is discharged at 12 h. 50 m. 0 s. by touching the left hand y of the relay in the observatory. This shows, that the line &c., is in proper order and gives correct ne to the assistant in the tower. At 12 h. 55 m. he begins to hoist the ball half mast. At 12 h. m. 40 s. he sets the lock, which is indicated in the observatory by deflection of the right hand galvameter, the hand of which then indicates "locked." At 12 h. 57 m. he begins to hoist the ball to the p. When the piston touches the bolt, this is indicated in the observatory by vibrations of the galvanoeter-hand, caused by the bolt alternately touching the side of the piston and falling into horizontal, gshaped groves cut in its surface. When the piston ascends above the lock, the bolt falling into sition gives an audible click after which the piston is lowered on to the bolt and the pinion thrown t of gear. From this time till one o'clock the ball rests on the bolt of the lock. This is indicated an increase in the deflection on the galvanometer in the observatory and also on a galvanometer in e tower situated on top of the lock, which increase is caused by extra earth-connection being nished through the mast &c., of the apparatus. The galvanometers are read off in both places and eir indications entered in the "time-ball journal."

The moment the clock closes the local circuit at 1 o'clock, the change of direction of the curre and its almost instantaneous cessation consequent on the break of the circuit by the act of discharge, seen on the galvanometers. Should there be any delay in the fall, both observers see this on t respective galvanometers, the needles being then permanently deflected. But so rapid in practise the discharge and the consequent break of the circuit, that the needles are scarcely deflected at towards the sides of the galvanometers, where the word "discharged" is engraven, and if the time elap between the second hand of the clock stopping at 0s. and the hand of the galvanometer, giving t return signal from the tower, amounted to nearly $\frac{1}{10}$ of a second, the delay would be noticed in t observatory. The discharge of the current at 1 p. is observed on the sidereal standard clock, furnishin a final ocular demonstration of the ball dropping correctly.

The accuracy of the 1 o'clock signal depends therefore practically only upon the error of t standard clock being accuratety determined. This can always be done within $\frac{1}{10}$ of a second wh the weather permits transit observations to be made the previous night. Whenever no observatio are available, we depend entirely upon this clock keeping a regular rate. But although it is for t reason impossible to drop the ball without error, the latter becomes known from subsequent obser tions. The following table exhibits the errors of one o'clock signals in 1885, for every day on whi the ball was dropped. Whenever the error was less than 0s.15, 0.1 has been entered without sign:

ERRORS OF TIME BALL IN 1885.

— means too late, + means too early.

Date.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	De
1	0.s1	...	...	0.s1	0.s1	0.s1	0.s1	−0.s4	+0.s2	+0.s6	...	+0
2	0.1	0.s1	0.s1	0.1	0.1	0.1	−0.2	...	0.1	+0.7	0.s1	+0
3	−0.2	0.1	0.1	...	...	0.1	−0.2	...	0.1	0.1	0.1	0
4	...	−0.2	0.1	0.1	0.1	0.1	0.1	−0.7	0.1	...	0.1	+0
5	−0.2	−0.4	0.1	...	−0.2	0.1	...	−0.6	+0.3	0.1	0.1	+0
6	0.1	0.1	+0.2	...	−0.3	0.1	+0.3	0.1	...	0.1	0.1	..
7	0.1	0.1	0.1	+0.2	−0.4	...	+0.3	0.1	0.1	0.1	0.1	+0
8	0.1	...	...	0.1	−0.5	0.1	0.1	0.1	...	0.1	...	+0
9	0.1	+0.4	−0.2	+0.2	0.1	0.1	+0.2	...	...	0.1	0.1	0
10	0.1	+0.3	−0.2	+0.3	...	0.1	+0.2	0.1	...	0.1	+0.2	1
11	...	+0.5	−0.3	+0.2	0.1	0.1	0.1	−0.3	...	...	+0.2	1
12	−0.2	+0.4	−0.3	...	−0.2	0.1	...	0.1	...	0.1	+0.3	1
13	0.1	0.1	−0.4	+0.4	−0.3	...	0.1	−0.2	...	0.1	−0.2	..
14	0.1	0.1	−0.4	0.1	−0.3	...	0.1	0.1	...	0.1	−0.5	−
15	−0.2	...	...	0.1	0.1	+0.5	−0.2	−0.3	...	0.1	...	−
16	−0.3	...	0.1	0.1	0.1	0.1	0.1	...	...	0.1	0.1	
17	−0.3	−0.5	0.1	0.1	...	−0.2	−0.2	−0.3	...	0.1	0.1	
18	...	−0.7	0.1	−1.0	−0.3	−0.2	−0.3	−0.3	...	...	0.1	−
19	−0.5	−0.9	+0.2	...	−0.5	+0.2	...	−0.3	...	0.1	−0.2	
20	0.1	−0.2	0.1	0.1	−0.7	−0.2	−0.3	−0.4	...	0.1	−0.2	.
21	0.1	−0.9	0.1	0.1	−0.9	...	−0.9	+0.2	0.1	0.1	−0.3	+
22	0.1	...	...	0.1	−1.1	0.1	0.1	0.1	0.1	−0.2	...	+
23	0.1	0.1	+0.2	0.1	−1.3	0.1	+0.2	...	0.1	−0.3	0.1	+
24	−0.2	0.1	0.1	0.1	...	0.1	+0.2	+1.0	0.1	−0.4	0.1	.
25	...	−0.3	+0.2	0.1	...	−0.2	+0.4	−0.2	0.1	...	0.1	.
26	−0.3	−0.3	+0.2	...	0.1	0.1	...	−1.0	0.1	0.1	0.1	.
27	−0.4	−0.2	+0.3	−0.2	0.1	−0.5	0.1	...	...	−0.2	0.1	.
28	−0.5	−0.4	+0.5	0.1	+0.2	...	0.1	...	+0.3	−0.3	−0.2	.
29	−0.6	...	..	0.1	+0.3	0.1	−0.7	...	+0.4	−0.5	...	
30	−0.3	...	+0.2	0.1	0.1	0.1	−0.2	0.1	+0.5	0.1	0.1	−
31	0.1	...	0.1	...	...	...	0.1	0.1	...	0.1	...	−

The probable errors of the signal in the different months of 1885 (with the average amou clouds added in parenthesis) were as follows:

January 0s.18 (69), February 0s.27 (94), March 0s.16 (70), April 0.s15 (76), May 0s.29 (June 0s.13 (74), July 0s.20 (74), August 0s.24 (75), Setember 0s.15 (65), October 0s.16 (50), No ber 0s.14 (46), December 0s.19 (43).

As stated in the time-ball notice, the ball is not dropped on Sundays or on Government Holi On the 6th of January it failed at 1 p. (the single cell of the clock circuit failing to act) bu dropped at 2 p. On the 20th and 21st April thunderstorms prevented the working of the appar On the 13th June the wires of the coil of the lock were found to have been fused by the lightni the previous evening but the ball was dropped at 2 p. On the 27th August notice was given th ball would not be dropped for a few days owing to damage done by the thunderstorm on the 25th it was not dropped on the 27th, 28th and 29th. From the 7th to the 20th September inclusi apparatus was not worked owing to fever among the staff of the observatory. It is seen, th signal never failed to act on any day in 1885. It failed partly (ball dropped at 2 p.) on 2 Thunderstorms prevented the signal on 5 days and illness among the staff on 12 days.

As stated in the Annual Report, the lock sent out with the time-ball was not fit to drop th the blow of the hammer failing to liberate the bolt unless the spring was tightened so excessiv to make the equilibrium of the hammer unstable. Under these circumstances the dropping of th

effected by administering a blow to the hammer at the very instant when the current arrived from clock, which was successfully accomplished by Mr. FIGG till the 12th June, when the coil was fused ightning. From which time till the 20th November the ball was dropped by hand, the signal g observed by myself in a telescope. Since the 22nd November the ball has been dropped by means the new lock, which is much stronger and gives great satisfaction.—The time-ball apparatus, clocks were not ready till after my departure, and do not seem to have been sufficiently tested in London.

Two mean-time chronometers (Dent No. 39946 and 40917) and one sidereal (Dent No. 40912) kept in the same room as the clocks. They are compared on Mondays and Saturdays shortly ore 1 p. Their daily rates (+ means losing, – gaining rate) were as follows:—

Period.		Rate of Chronometer Dent No.			Temperature.	Period.		Rate of Chronometer Dent No.			Temperature.
		39946	40912	40917				39946	40912	40917	
1884.											
ember	3– 8,...	+5ˢ.44	−1ˢ.94	−1ˢ.16	76°	May	11–16,...	+5ˢ.04	−1ˢ.34	−0ˢ.82	77°
"	10–15,...	5.36	2.44	1.56	73	"	18–23,...	6.36	0.76	1.00	78
"	17–22,...	4.88	2.40	1.56	69	"	25–30,...	6.68	0.36	1.00	81
"	24–29,...	3.18	2.96	1.90	62	June	1– 6,...	5.44	0.78	1.14	81
ember	1– 6,...	4.20	2.20	1.36	65	"	8–13,...	6.64	0.92	0.92	79
"	8–13,...	3.80	2.64	2.00	62	"	15–20,...	5.02	−0.64	0.74	81
"	15–20,...	3.84	2.48	1.98	64	"	22–27,...	5.36	...	0.64	82
"	22–27,...	2.36	2.42	2.08	62	"	29– 4,...	5.14	...	1.22	83
"	29– 3,...	3.54	2.62	1.94	63	July	6–11,...	5.68	...	1.24	82
1885.						"	13–18,...	5.38	...	1.36	82
uary	5–10,...	4.28	3.16	1.70	63	"	20–25,...	4.84	...	1.14	84
"	12–17,...	4.16	3.20	1.96	59	"	27– 1,...	5.08	...	1.18	80
"	19–24,...	3.94	3.08	1.98	59	August	3– 8,...	5.04	...	1.24	81
"	26–31,...	2.22	3.38	1.96	60	"	10–15,...	5.40	...	1.32	81
bruary	2– 7,...	2.74	3.16	1.72	58	"	17–22,...	4.96	...	1.16	80
"	9–14,...	1.74	4.16	0.92	60	"	24–29,...	4.36	...	1.46	82
"	16–21,...	0.62	3.78	1.98	59	October	19–24,...	3.56	−4.18	2.36	76
"	23–28,...	4.30	3.60	2.18	58	"	26–31,...	3.10	2.32	2.38	73
rch	2– 7,...	1.84	2.60	1.86	63	November	2– 7,...	2.94	0.68	2.52	73
"	9–14,...	0.30	3.40	1.50	61	"	9–14,...	3.10	3.08	2.46	71
"	16–21,...	0.62	3.18	1.34	63	"	16–21,...	3.34	3.52	1.96	70
"	23–28,...	2.58	2.20	0.94	71	"	23–28,...	1.10	3.10	3.08	66
"	30– 4,...	6.86	1.84	0.60	71	"	30– 5,...	2.86	2.56	3.60	69
il	6–11,...	4.42	1.56	0.68	76	December	7–12,...	3.56	2.18	3.28	68
"	13–18,...	2.88	1.16	0.48	76	"	14–19,...	4.04	1.44	2.98	64
"	20–25,...	4.22	1.46	0.68	73	"	21–26,...	3.32	3.02	2.96	69
"	27– 2,...	8.22	0.56	0.56	74	"	28– 2,...	1.32	4.22	3.08	61
y	4– 9,...	5.74	1.60	0.88	74						

It appears that the rates do not, at least within the limits of temperature here observed, follow the represented in Lieuson's formula, which is adopted at the Observatory of the Mersey Dock and rbour Board in Liverpool. But they may be approximatety represented as follows:

Dent No. 39946: Daily Rate $= + 3^s.64 + 0^s.148\ (t - 70^\circ)$

" " 40912: " $= - 2.06 + 0.130$ "

" " 40917: " $= - 1.60 + 0.041$ "

The first named chronometer is generally useless except as a hackwatch, although occasionally it s well for a long time, particularly when the temperature does not vary much.

The Lee Equatorial is described by Admiral SMYTH in the "*Speculum Hartwellianum*" and the *Celestial Cycle*" and particulars concerning the magnifying powers of the eye-pieces and the scale-ues of the micrometers are to be found in "*Copernicus*" (Vol. II p. 93). It is erected on masonry rs not isolated from the ground floor, which is covered by chunam, in a circular structure of 15 feet meter, the walls of which are 7½ feet high. The roof is made of wooden girders covered by canvas nted white. Owing to the length of the polar axis (12 feet) the telescope is very unsteady, any nge of position of the observer causing the images to vibrate in the field. A McLEAN's star spectro-pe with low-power eye-piece combined, by JOHN BROWNING has just been adapted to the telescope, e object-glass of which appears to be still in good condition.

Sir W. THOMSON's automatic tide-gauge arrived early in the year, but has not yet been erected d worked for want of funds.

The Andromedes were observed on the 27th November. The radiant determined from the tracks d down was at 10 p. about 40° North Declination and 27° Rightascension, but its diameter was at st 3°. Between half past ten and half past eleven Mr. FIGG counted 665 shooting stars. It was mated that about 2000 an hour were visible, beginning shortly after sunset. Most of them were very all, the brightest generally of the 2nd magnitude. Few were as bright as the 1st magnitude and e observed was brighter. They were yellowish but did not leave permanent tails behind. There en came a lot at one time followed by a lull. Some were seen near the radiant but none quite statio-y. Many long tracks were observed.

W. DOBERCK,
Government Astronomer.

Hongkong Observatory, 24*th April*, 1886.

HONGKONG OBSERVATORY.

Weather Report for January, 1885.

In the *China Coast Meteorological Register*, based on information transmitted by the Great Northern nd the Eastern Extension Telegraph Companies, which was daily published, is given a summary of the mospheric circumstances in Luzon and along the Coast of China. It also contains information oncerning the weather in Nagasaki and Wladivostock.

Unusual visibility was noted on the 5th, the 7th, the 14th and the 28th.

Dew fell on the evenings and during the night of the 1st and the 4th, and on the evening of the 2nd.

The air was hazy during the day on the 2nd.

The Total Distance travelled by, as well as the Duration and average Velocity of Winds from ifferent quarters were as follows:—

Direction.	*Total Distance.* Miles.	*Duration.* Hours.	*Velocity.* Miles per hour.
N	928	91	10.2
NE	1273	98	13.0
E	9559	478	20.0
SE	262	22	11.9
S	12	4	3.0
SW	32	7	4.6
W	296	28	10.6
NW	116	10	11.6
Calm	4	6	0.7

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF JANUARY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Jan. 1, ...	30.098	30.091	30.080	30.071	30.071	30.082	30.088	30.108	30.119	30.121	30.090	30.072	30.031	30.016	30.007	30.013	30.022	30.032	30.057	30.082	30.095	30.094	30.093	30.081	30.071
„ 2, ...	.083	.084	.076	.077	.077	.087	.107	.136	.145	.154	.136	.108	.078	.069	.066	.073	.086	.099	.119	.144	.153	.166	.164	.166	30.111
„ 3, ...	.166	.159	.145	.144	.151	.162	.172	.214	.242	.230	.184	.180	.155	.140	.131	.139	.140	.156	.163	.176	.184	.195	.206	.202	30.172
„ 4, ...	.198	.180	.167	.170	.170	.172	.176	.190	.207	.194	.191	.151	.117	.104	.103	.104	.115	.124	.133	.155	.169	.166	.157	.139	30.156
„ 5, ...	.139	.126	.116	.108	.118	.131	.139	.151	.160	.173	.156	.142	.101	.082	.063	.061	.067	.074	.091	.106	.128	.117	.110	.104	30.115
„ 6, ...	30.091	30.079	30.060	30.050	30.049	30.067	30.082	30.098	30.109	30.108	30.092	30.064	30.032	30.015	30.006	30.009	30.014	30.020	30.028	30.028	30.041	30.037	30.039	30.038	30.052
„ 7, ...	30.026	30.002	29.983	29.969	29.969	29.987	30.018	30.043	30.051	30.045	30.019	29.998	29.960	29.948	29.951	29.960	29.961	29.978	30.004	30.037	30.049	30.049	30.049	30.041	30.004
„ 8, ...	30.038	30.030	30.024	30.030	30.038	30.060	30.074	30.100	30.111	30.113	30.096	30.080	30.045	30.034	30.015	30.015	30.034	30.049	30.061	30.080	30.082	30.079	30.074	30.077	30.060
„ 9, ...	30.074	30.067	30.057	30.056	30.060	30.079	30.091	30.137	30.147	30.152	30.140	30.096	30.077	30.052	30.053	30.046	30.061	30.071	30.076	30.094	30.093	30.106	30.096	30.090	30.086
„ 10, ...	30.066	30.056	30.045	30.039	30.043	30.059	30.083	30.104	30.132	30.132	30.121	30.083	30.053	30.015	30.000	29.999	30.010	30.006	30.020	30.050	30.058	30.055	30.050	30.036	30.055
„ 11, ...	30.021	30.005	29.995	†29.989	†29.987	†29.989	*30.008	*30.038	*30.056	30.061	30.046	30.023	29.988	29.968	29.944	29.932	29.948	29.960	29.979	29.994	30.005	30.014	30.028	30.019	30.000
„ 12, ...	30.011	30.005	30.005	30.003	30.003	30.022	30.055	30.056	30.073	30.081	30.073	30.053	30.027	30.013	29.998	29.995	30.021	30.036	30.062	30.072	30.079	30.086	30.091	30.102	30.042
„ 13, ...	30.094	30.085	30.084	30.079	30.071	30.089	30.116	30.137	30.157	30.162	30.157	30.134	30.093	30.070	30.056	30.065	30.073	30.091	30.108	30.135	30.137	30.141	30.144	30.133	30.109
„ 14, ...	30.116	30.110	30.107	30.098	30.086	30.092	30.098	30.129	30.143	30.151	30.130	30.104	30.062	30.042	30.026	30.033	30.039	30.051	30.065	30.086	30.086	30.097	30.103	30.102	30.090
„ 15, ...	30.090	30.085	30.076	30.069	30.066	30.084	30.108	30.138	30.138	30.153	30.138	30.112	30.078	30.058	30.041	30.058	30.063	30.074	30.089	30.104	30.118	30.109	30.112	30.110	30.095
„ 16, ...	30.091	30.086	30.086	30.080	30.074	30.072	30.089	†30.109	†30.128	30.123	30.114	30.090	30.043	30.025	30.008	30.006	30.010	30.022	30.031	30.035	30.046	30.052	30.051	30.042	30.063
„ 17, ...	30.027	30.018	30.011	29.998	†29.997	†30.008	*30.015	*30.030	*30.038	30.040	30.035	29.999	29.960	29.943	29.922	29.919	29.931	29.942	29.957	29.971	29.974	29.978	29.977	29.971	29.986
„ 18, ...	29.966	29.946	29.941	29.956	29.949	29.965	29.980	30.011	30.037	30.052	30.046	30.028	29.999	29.999	30.002	30.003	30.018	30.045	30.058	30.082	30.094	30.109	30.115	30.121	30.022
„ 19, ...	30.116	30.117	30.115	30.117	30.119	30.133	30.147	30.174	30.193	30.202	30.190	30.164	30.130	30.111	30.101	30.116	30.131	30.151	30.167	30.189	30.196	30.202	30.201	30.209	30.154
„ 20, ...	.202	.201	.190	.190	.186	.194	.222	.230	.259	.267	.252	.222	.192	.172	.162	.161	.164	.172	.179	.185	.188	.189	.190	.181	30.198
„ 21, ...	.181	.158	.138	.132	.133	.147	.157	.177	.177	.178	.170	.143	.112	.092	.083	.086	.098	.113	.121	.146	.148	.141	.135	.136	30.138
„ 22, ...	.127	.125	.117	.122	.126	.129	.160	.174	.181	.189	.174	.144	.116	.103	.095	.092	.095	.111	.125	.141	.154	.158	.155	.143	30.136
„ 23, ...	.133	.128	.121	.127	.122	.143	.159	.171	.182	.190	.179	.149	.102	.089	.070	.068	.058	.062	.075	.095	.099	.093	.078	.074	30.115
„ 24, ...	.066	.046	.032	.033	.039	.052	.066	.093	.121	.111	.091	.061	.028	.015	.015	.010	.020	.036	.056	.068	.071	.085	.085	.079	30.057
„ 25, ...	.074	.060	.055	.047	.052	.068	.066	.091	.132	.139	.112	.092	.061	.048	.047	.064	.071	.092	.103	.121	.126	.135	.135	.135	30.089
„ 26, ...	.130	.125	.103	.108	.097	.111	.144	.149	.157	.152	.131	.118	.085	.058	.060	.069	.079	.085	.108	.113	.115	.132	.145	.141	30.113
„ 27, ...	.133	.133	.114	.115	.099	.120	.135	.155	.155	.183	.168	.132	.125	.090	.090	.094	.091	.113	.143	.165	.166	.192	.198	.210	30.138
„ 28, ...	.211	.193	.181	.173	.168	.190	.188	.198	.230	.231	.221	.202	.176	.149	.139	.147	.153	.165	.179	.189	.192	.193	.192	.218	30.187
„ 29, ...	.207	.218	.177	.154	.166	.171	.173	.195	.204	.222	.211	.179	.151	.141	.130	.134	.134	.149	.166	.184	.189	.187	.183	.193	30.176
„ 30, ...	.185	.185	.180	.176	.189	.204	.209	.231	.259	.270	.257	.225	.196	.183	.160	.174	.181	.197	.212	.233	.237	.228	.243	.235	30.210
„ 31, ...	.230	.227	.222	.201	.208	.215	.234	.253	.257	.270	.245	.218	.211	.179	.185	.184	.208	.208	.210	.228	.239	.242	.242	.251	30.224
Hourly Means, ...	30.109	30.101	30.090	30.086	30.087	30.099	30.114	30.136	30.152	30.156	30.141	30.115	30.083	30.065	30.056	30.059	30.068	30.080	30.095	30.113	30.120	30.123	30.124	30.122	30.104

* Interpolated. † Approximate.

TABLE II.

TEMPERATURE FOR THE MONTH OF JANUARY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Jan. 1,	57.5	57.2	57.1	57.0	57.1	57.1	57.1	*58.1	*59.1	60.1	60.9	62.0	63.3	64.0	63.5	63.2	62.2	60.7	60.0	59.1	58.5	58.1	58.6	58.5	59.6	64.1	57.0
,, 2,	58.5	58.8	58.7	58.0	57.9	57.8	58.0	59.3	61.2	64.2	64.5	66.0	68.1	67.4	67.1	66.5	65.4	64.2	63.2	62.9	61.9	61.0	60.5	60.0	62.1	68.9	57.6
,, 3,	59.7	59.7	59.7	59.4	59.0	58.7	58.8	58.9	59.9	60.4	60.9	60.9	60.5	61.2	61.2	60.7	59.9	59.4	59.2	59.5	59.2	59.1	59.1	58.7	59.7	61.9	58.7
,, 4,	58.7	58.5	58.6	58.3	58.7	58.6	58.6	59.6	60.7	61.7	62.7	63.6	64.7	65.2	64.8	64.5	63.5	61.9	61.1	60.7	60.1	60.0	59.9	59.8	61.0	65.4	58.2
,, 5,	59.6	59.8	59.5	59.4	59.7	59.7	60.9	62.2	63.2	64.7	66.9	68.0	69.4	69.4	68.1	66.7	64.7	63.1	62.7	63.1	63.3	63.3	63.3	63.0	63.5	69.4	59.2
,, 6,	62.7	62.5	62.7	62.7	62.7	62.9	63.1	63.2	64.6	65.6	66.8	68.7	69.8	68.7	69.0	67.5	66.3	64.8	64.0	63.8	63.8	63.8	64.0	64.0	64.9	70.0	62.3
,, 7,	64.1	63.8	63.3	63.4	63.6	63.8	63.8	64.9	64.7	65.7	66.7	66.0	66.7	65.9	65.7	65.8	66.8	66.2	64.6	62.8	62.2	61.5	60.7	59.8	64.8	67.8	59.8
,, 8,	58.6	58.7	58.0	57.9	58.0	57.8	58.1	58.7	60.1	61.1	61.9	62.4	63.2	62.0	62.9	61.6	61.1	60.4	60.2	59.9	59.8	59.6	59.6	59.5	60.0	63.2	57.6
,, 9,	59.3	58.9	58.8	58.6	58.8	58.9	58.9	59.2	59.7	60.7	61.2	62.4	62.0	61.5	61.3	61.6	61.6	60.8	60.7	60.8	60.1	59.8	59.8	60.1	60.2	62.5	58.5
,, 10,	59.9	59.9	59.6	59.5	59.5	59.1	59.2	59.5	60.9	61.6	62.8	63.0	64.0	64.6	63.7	63.0	61.3	60.2	60.7	60.6	60.7	60.9	60.7	60.4	61.1	64.6	59.1
,, 11,	60.4	59.8	59.8	59.8	59.8	59.6	59.8	61.5	62.9	64.6	65.5	66.1	67.4	67.4	67.2	66.0	64.4	62.7	62.7	62.3	62.9	63.2	63.0	62.6	63.0	67.9	59.5
,, 12,	62.7	62.2	61.7	60.4	59.9	59.2	59.1	59.7	60.7	61.0	61.3	62.1	63.1	63.7	64.3	62.8	61.7	60.3	59.9	59.2	59.1	59.0	58.8	58.8	60.9	64.3	58.8
,, 13,	58.8	58.8	58.8	58.8	58.8	57.7	55.7	55.5	55.7	57.8	60.0	60.9	62.4	61.8	61.8	59.5	57.9	56.8	56.4	56.0	55.5	54.7	53.7	53.4	57.8	62.7	53.4
,, 14,	53.4	53.3	53.4	52.6	53.5	52.7	52.9	53.6	53.9	55.9	59.3	60.5	62.4	62.3	60.7	59.7	59.5	57.7	57.6	56.9	56.7	55.4	55.7	56.7	56.5	62.7	52.5
,, 15,	56.6	56.3	54.7	54.7	53.8	54.0	53.1	53.7	54.3	54.9	56.4	56.9	56.6	56.5	55.6	55.0	54.6	54.4	54.6	54.5	54.5	54.5	54.4	54.1	54.9	56.9	52.6
,, 16,	53.9	53.9	54.0	53.7	53.8	53.6	53.9	54.0	54.7	56.5	57.3	57.7	58.4	57.7	57.7	57.5	57.2	57.0	57.1	57.5	57.7	57.8	57.7	57.4	56.2	58.7	52.9
,, 17,	57.2	57.3	57.8	58.0	58.2	57.8	57.9	58.0	58.9	60.2	61.0	62.2	62.0	62.1	62.2	62.1	61.6	60.8	60.9	60.9	60.8	60.7	60.7	60.3	60.0	62.8	57.1
,, 18,	60.0	59.5	59.3	59.8	59.8	60.1	59.3	57.9	56.1	55.0	57.0	56.7	57.8	55.7	54.4	52.4	52.6	50.7	51.2	50.9	50.6	50.0	49.3	48.8	55.2	60.3	48.6
,, 19,	47.8	48.1	46.9	46.3	45.8	46.2	45.6	47.6	50.5	52.5	55.0	56.7	56.8	58.8	58.8	57.9	56.6	55.5	55.0	54.8	54.5	54.2	54.6	54.0	52.5	59.1	45.6
,, 20,	53.4	53.0	52.9	52.5	52.6	52.5	52.7	53.1	54.6	55.0	55.9	56.7	57.6	57.7	58.0	57.7	56.7	55.2	55.1	55.5	55.8	55.8	55.7	55.6	55.1	58.2	52.4
,, 21,	55.7	55.9	55.6	55.4	55.7	55.8	55.9	56.7	57.8	58.2	59.2	59.4	59.7	60.2	60.7	60.5	60.1	59.9	60.0	60.2	60.1	60.3	60.7	60.8	58.5	60.8	55.4
,, 22,	60.8	60.8	61.2	61.4	61.7	61.5	61.5	62.5	64.0	64.9	66.7	68.0	68.0	66.9	66.4	66.2	65.1	62.8	61.9	61.7	61.9	62.3	62.1	61.4	63.4	68.1	60.2
,, 23,	60.7	60.0	60.2	59.9	59.5	59.3	59.7	60.0	61.0	62.1	62.2	63.3	63.8	64.2	65.0	63.6	62.2	59.9	60.2	60.5	61.1	60.8	59.9	59.9	61.2	65.0	59.2
,, 24,	60.0	60.4	59.9	59.9	59.8	59.6	59.6	60.2	61.1	62.4	63.0	63.0	63.7	63.7	63.0	63.2	61.9	61.3	61.6	61.7	61.8	61.8	61.7	61.6	61.5	64.8	59.5
,, 25,	61.2	61.7	61.4	61.3	61.0	61.2	60.8	61.9	64.1	65.8	68.6	69.7	70.4	71.0	66.5	65.6	64.6	63.1	63.0	62.4	62.2	61.9	61.6	60.3	63.8	71.1	60.3
,, 26,	59.7	59.5	58.8	58.3	57.8	57.5	57.5	57.2	57.9	58.2	58.3	57.9	58.2	59.0	59.0	59.1	58.9	59.0	59.0	59.1	59.0	58.7	58.5	58.2	58.5	60.3	57.0
,, 27,	57.6	57.7	57.4	56.7	55.9	55.9	56.3	55.9	56.5	56.3	55.0	58.0	56.0	55.9	53.6	53.4	53.3	52.3	52.0	51.7	49.9	48.9	48.4	48.4	54.3	58.3	47.9
,, 28,	47.7	47.1	47.4	47.4	47.4	47.7	48.1	48.4	49.2	50.9	51.7	53.5	55.2	56.8	55.5	53.6	53.1	51.6	50.6	49.9	49.8	50.2	50.9	50.4	50.6	56.9	47.1
,, 29,	50.3	49.7	49.7	49.6	49.6	50.0	49.6	49.7	50.4	51.2	51.6	55.5	55.0	55.2	57.8	57.5	56.8	54.0	53.6	52.9	52.8	52.7	52.9	53.2	52.6	58.3	49.3
,, 30,	54.1	53.1	51.9	51.5	50.5	50.3	50.1	50.2	52.7	54.1	55.6	56.8	58.6	59.2	58.7	58.3	57.4	54.8	54.0	53.6	53.0	52.8	53.2	52.8	54.1	59.5	49.9
,, 31,	53.2	52.1	52.3	51.5	50.5	50.9	50.5	51.5	52.8	54.1	55.7	56.5	57.6	57.3	57.1	57.3	55.9	54.6	54.5	54.5	54.6	54.6	54.7	54.6	54.1	58.2	50.1
Hourly Means,	57.5	57.4	57.1	56.9	56.8	56.7	56.6	57.2	58.2	59.3	60.4	61.3	62.0	62.0	61.7	61.0	60.2	58.9	58.6	58.4	58.2	58.0	57.9	57.6	58.7	63.0	55.4

* Interpolated.

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF JANUARY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Sun.	Rad.
Jan. 1,	53.1	53.2	53.1	52.7	53.0	53.2	53.1	53.2	53.8	55.1	56.5	57.6	58.2	58.7	59.1	59.4	58.9	58.1	57.8	57.4	56.9	56.7	57.0	57.2	56.0	120.7	51.6
„ 2,	57.0	56.9	57.1	56.7	56.4	56.7	56.6	56.9	57.7	58.3	58.7	58.9	59.8	59.1	59.6	59.7	59.3	58.6	58.8	58.6	58.7	58.9	57.8	57.3	58.1	124.7	50.1
„ 3,	57.0	57.0	57.1	56.6	56.0	55.7	55.5	55.0	55.7	55.5	56.0	55.7	54.9	55.3	55.6	55.3	55.4	55.4	55.3	55.3	55.4	55.5	55.9	55.6	55.7	110.6	57.5
„ 4,	55.3	54.3	54.2	54.4	54.1	54.7	54.9	55.1	55.7	56.7	57.5	58.4	58.9	59.4	59.5	59.7	59.5	58.8	58.7	58.8	58.7	58.7	58.5	58.6	57.2	122.7	57.0
„ 5,	58.2	58.5	58.3	58.2	58.2	58.2	58.8	59.5	59.8	60.2	60.9	61.6	62.2	61.9	61.1	59.7	59.1	58.0	58.9	60.1	60.0	59.4	59.4	58.6	59.5	128.5	52.8
„ 6,	57.6	57.4	57.8	57.9	58.0	58.8	59.1	59.6	60.8	61.4	62.0	62.6	63.1	62.6	62.9	62.2	61.9	61.2	60.8	60.8	61.4	61.9	62.0	62.4	60.7	128.4	60.8
„ 7,	62.9	62.7	62.5	62.7	62.7	62.7	63.1	63.4	63.7	62.7	62.2	61.9	61.7	61.0	61.0	61.1	61.2	59.0	58.1	57.9	56.1	54.0	53.1	53.4	60.4	133.6	56.6
„ 8,	54.0	53.5	53.6	53.5	53.3	54.1	54.9	55.2	56.3	56.7	57.1	57.2	58.2	57.4	57.7	56.9	56.4	56.1	56.1	56.0	55.7	56.2	56.2	56.0	55.8	123.5	48.4
„ 9,	56.0	55.8	55.8	55.4	55.0	55.3	55.6	56.1	56.3	56.9	57.2	57.7	57.6	57.3	57.1	57.1	57.9	57.7	57.8	57.9	57.0	56.6	56.3	56.5	56.7	108.3	57.7
„ 10,	56.0	56.1	56.0	56.1	55.7	55.3	55.7	55.8	56.6	56.4	57.8	58.0	58.3	58.3	58.2	58.0	57.2	56.2	55.9	56.6	56.7	57.2	57.1	56.7	56.7	120.7	57.9
„ 11,	57.1	56.9	56.8	56.3	56.0	55.7	55.7	56.2	56.9	57.7	58.8	58.2	59.6	59.1	59.2	60.1	60.0	59.5	60.1	60.0	60.6	60.8	60.9	60.8	58.5	131.3	57.3
„ 12,	60.7	59.8	59.3	58.6	57.5	56.6	56.6	56.8	57.0	57.2	57.3	57.8	58.3	58.3	58.2	57.7	57.2	57.0	57.0	56.4	56.0	56.3	56.0	56.0	57.5	120.2	56.9
„ 13,	55.9	56.1	56.0	56.0	56.1	55.0	52.9	52.4	52.2	54.0	55.1	55.5	56.0	55.6	55.5	52.8	51.2	49.9	49.8	49.5	49.6	48.6	48.0	47.9	53.0	105.2	54.1
„ 14,	48.2	48.7	48.3	47.5	48.9	47.9	48.1	48.6	48.9	50.6	52.8	53.6	54.9	55.0	53.2	52.7	54.0	53.0	53.0	51.8	51.5	50.3	51.1	52.1	51.0	118.7	51.3
„ 15,	52.1	52.0	50.1	50.6	49.7	50.0	49.5	50.0	50.7	51.1	52.3	52.7	52.4	52.4	51.6	51.3	51.1	51.1	51.2	51.1	51.1	51.2	51.0	50.9	51.1	78.7	50.7
„ 16,	50.9	50.8	50.9	50.8	50.8	50.8	51.0	51.0	51.4	52.6	53.2	53.6	54.1	54.0	54.0	54.1	54.0	54.1	54.3	54.4	54.7	54.9	54.7	54.1	52.9	87.7	52.2
„ 17,	54.1	54.4	54.9	55.3	55.7	55.2	55.4	55.4	56.0	56.9	57.4	58.1	58.3	58.3	58.8	58.8	58.7	58.7	58.8	58.8	58.8	58.8	58.7	58.5	57.2	110.7	55.2
„ 18,	58.1	57.9	58.0	58.3	58.4	58.8	58.3	56.9	55.1	52.9	55.1	53.2	53.2	51.2	51.3	50.6	49.8	49.2	48.7	47.0	46.2	45.8	44.2	44.0	52.6	90.9	46.6
„ 19,	43.2	42.7	42.2	42.0	41.8	42.3	42.3	43.7	46.7	47.1	49.2	50.7	50.8	51.8	51.6	51.1	50.6	49.6	49.0	49.3	49.1	49.4	50.2	49.4	47.3	106.1	38.0
„ 20,	48.8	48.5	48.2	47.7	48.1	48.6	48.9	49.2	50.1	50.2	50.3	50.7	51.1	50.9	51.4	51.6	51.4	50.9	50.9	52.0	52.9	53.3	53.1	52.7	50.5	118.5	50.2
„ 21,	52.3	52.9	52.7	52.6	52.5	52.9	53.0	53.5	54.3	54.4	54.8	55.2	55.7	56.1	56.4	56.5	56.8	57.0	57.2	57.5	57.9	58.2	58.3	58.7	55.3	81.5	53.8
„ 22,	58.9	59.1	59.7	59.8	59.9	59.7	59.4	60.2	61.3	61.7	62.3	62.9	62.9	61.4	61.5	61.7	61.3	60.0	59.8	60.0	60.8	60.9	60.8	60.1	60.7	132.4	59.2
„ 23,	59.6	59.1	59.1	58.8	58.2	57.9	57.9	58.2	58.9	59.2	59.3	59.9	60.2	60.3	60.8	59.5	59.0	57.5	58.1	58.1	58.2	57.9	57.3	57.7	58.8	121.9	57.9
„ 24,	58.1	58.3	58.3	58.2	57.9	57.9	57.8	58.1	58.3	58.9	59.2	59.3	60.1	60.1	60.1	60.0	59.1	58.6	59.2	59.3	59.4	59.4	59.1	58.9	58.9	120.2	58.0
„ 25,	58.4	58.9	58.3	57.9	57.9	57.8	57.7	58.5	60.1	61.7	63.1	64.2	64.3	64.3	62.4	60.4	59.3	57.9	58.2	57.9	58.1	58.0	57.4	56.8	59.5	130.3	58.5
„ 26,	56.8	56.7	56.1	55.9	55.8	55.4	55.3	55.0	55.0	55.2	55.3	55.2	55.6	55.3	54.9	55.0	55.2	55.8	56.1	56.2	56.3	55.9	55.8	55.3	55.6	91.5	57.0
„ 27,	55.2	55.5	55.1	54.1	53.4	53.3	53.9	53.3	53.9	54.2	53.7	55.0	53.1	52.9	50.8	50.6	50.1	49.9	50.0	50.0	47.5	47.1	47.2	47.4	52.0	75.6	47.0
„ 28,	46.0	45.3	45.3	45.7	*45.3	*45.4	*45.6	*46.0	*46.5	47.0	47.5	49.1	50.2	51.3	50.2	49.3	49.2	47.7	47.6	47.9	47.6	47.6	48.3	47.7	47.5	95.7	44.5
„ 29,	48.0	47.3	47.6	46.8	46.2	46.4	45.9	45.8	46.4	46.3	46.6	50.0	48.9	48.9	51.4	51.3	51.4	50.2	50.3	49.9	49.9	49.9	50.4	50.2	48.6	102.7	48.0
„ 30,	50.9	48.5	46.3	46.3	45.3	44.1	*45.1	*46.1	*47.1	48.2	49.0	49.8	50.8	51.9	51.2	51.2	51.0	49.9	49.3	49.1	49.0	49.6	49.9	49.1	48.7	118.1	48.5
„ 31,	49.0	49.1	49.0	48.3	47.0	47.5	47.0	47.5	48.2	49.0	50.0	51.0	51.4	51.1	51.6	50.7	50.3	50.3	50.1	50.3	50.7	50.7	50.8	50.7	49.6	119.2	44.4
Hourly Means,	54.5	54.3	54.1	53.9	53.7	53.7	53.7	53.9	54.6	55.0	55.7	56.3	56.6	56.5	56.4	56.0	55.7	55.1	55.1	55.0	54.9	54.8	54.7	54.5	54.95	112.1	52.9

* Interpolated.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF JANUARY, 1885.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1885.		
1 a	81	0.386	Jan. 1,.....	78	0.403
2 „	80	0.382	„ 2,.....	77	0.432
3 „	81	0.380	„ 3,.....	76	0.392
4 „	81	0.378	„ 4,.....	78	0.420
5 „	80	0.373	„ 5,.....	78	0.457
6 „	81	0.374	„ 6,.....	77	0.477
7 „	82	0.377	„ 7,.....	78	0.475
8 „	79	0.375	„ 8,.....	75	0.391
9 „	78	0.381	„ 9,.....	79	0.415
10 „	74	0.377	„ 10,.....	75	0.403
11 „	73	0.383	„ 11,.....	75	0.432
Noon.	71	0.389	„ 12,.....	80	0.430
1 p	70	0.389	„ 13,.....	71	0.340
2 „	69	0.385	„ 14,.....	66	0.303
3 „	70	0.387	„ 15,.....	75	0.327
4 „	71	0.384	„ 16,.....	79	0.358
5 „	74	0.385	„ 17,.....	83	0.433
6 „	77	0.385	„ 18,.....	85	0.364
7 „	79	0.390	„ 19,.....	65	0.259
8 „	79	0.390	„ 20,.....	70	0.308
9 „	80	0.389	„ 21,.....	80	0.396
10 „	80	0.388	„ 22,.....	85	0.496
11 „	80	0.387	„ 23,.....	86	0.466
Midt.	81	0.385	„ 24,.....	85	0.465
			„ 25,.....	76	0.453
			„ 26,.....	83	0.405
			„ 27,.....	85	0.359
			„ 28,.....	78	0.289
			„ 29,.....	73	0.291
			„ 30,.....	66	0.273
			„ 31,.....	71	0.297
Mean, ...	77	0.383	Mean,.....	77	0.387

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1885.														
Jan. 1,	...	...	0.7	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	8.8
„ 2,	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	9.3
„ 3,	...	...	0.1	...	0.1	0.1	0.4	0.4	...	0.1	0.1	...	...	1.3
„ 4,	...	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.1
„ 5,	...	0.4	1.0	1.0	1.0	1.0	1.0	0.9	0.9	1.0	0.7	0.2	...	9.1
„ 6,	...	...	...	0.4	1.0	0.7	0.4	0.9	0.7	0.9	0.1	0.1	...	5.2
„ 7,	...	...	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	7.9
„ 8,	...	...	0.7	1.0	1.0	1.0	1.0	0.6	...	0.2	...	...	...	5.5
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 10,	...	...	0.7	1.0	0.2	0.5	1.0	1.0	1.0	1.0	1.0	...	...	7.4
„ 11,	...	0.3	1.0	1.0	1.0	1.0	1.0	0.7	0.3	0.4	0.4	0.2	...	7.3
„ 12,	...	...	1.0	1.0	0.9	0.1	0.6	0.9	0.9	0.8	0.5	...	...	6.7
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 14,	...	...	...	...	...	0.3	0.1	...	...	0.5	0.1	...	...	1.0
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 16,	...	...	...	...	...	0.1	...	...	...	...	...	...	...	0.1
„ 17,	...	...	...	...	...	...	0.1	...	0.1	...	0.1	...	...	0.3
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 19,	...	...	0.4	0.5	0.2	...	...	0.3	0.1	...	...	...	...	1.5
„ 20,	...	...	0.3	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	8.5
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 22,	...	...	...	...	...	...	0.7	...	...	...	0.8	0.2	...	1.7
„ 23,	...	...	...	0.2	0.2	...	0.4	1.0	0.9	0.6	1.0	...	...	4.3
„ 24,	...	...	0.1	0.4	0.6	0.6	0.4	...	...	...	...	...	...	2.1
„ 25,	...	0.2	0.8	0.5	0.9	0.9	0.4	0.2	0.1	...	...	...	...	4.3
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 28,	...	...	0.5	...	...	...	...	...	...	...	...	...	...	0.5
„ 29,	...	...	...	...	...	...	...	...	...	...	0.1	0.3	...	0.4
„ 30,	...	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	8.9
„ 31,	...	0.4	1.0	0.9	1.0	1.0	1.0	0.9	0.5	0.4	0.7	...	...	7.8
Sums,.....	...	1.5	10.7	13.2	14.1	13.3	14.5	13.8	11.8	11.9	11.6	2.6	...	119.0
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF JANUARY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.
Jan. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·070	...	...	0·010	...	...	...	0·080
,, 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·030	0·030	0·055	0·015	0·180	0·250	0·145	0·705
,, 28,	0·035	0·005	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·015	0·015	0·005	...	...	...	0·085
,, 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·035	0·005	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	0·100	0·045	0·070	0·030	0·180	0·250	0·145	0·870

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND, FOR THE MONTH OF JANUARY, 1885.

DATE.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Sums.	Means.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
Jan. 1.	7	20	7	17	7	19	7	18	7	17	7	17	7	22	7	22	7	23	9	26	9	30	8	24	8	23	9	25	9	23	9	18	8	15	8	12	10	10	10	5	16	2	...	0	16	4	19	11	463	16.8
" 2.	8	4	27	7	24	2	21	2	21	3	21	1	25	4	24	4	18	2	22	4	23	12	23	10	23	8	25	13	23	13	21	10	25	8	25	5	25	5	25	3	12	9	7	16	7	17	7	20	182	7.6
" 3.	7	25	7	23	7	24	7	28	7	27	7	24	7	26	7	26	6	28	6	27	7	30	7	29	6	28	6	38	7	28	6	26	7	25	7	25	7	24	6	30	6	30	7	28	7	22	7	24	635	26.5
" 4.	7	24	7	29	7	27	7	29	7	27	7	23	8	27	7	23	7	22	7	23	7	23	8	24	8	25	8	23	9	21	9	19	10	18	9	19	8	17	10	15	9	12	9	11	10	10	9	14	511	21.3
" 5.	9	7	8	11	12	4	12	4	...	1	9	7	9	11	9	17	8	21	9	20	10	22	9	15	8	21	9	24	9	24	8	26	8	21	7	20	8	17	9	14	10	17	8	14	8	21	8	16	375	15.6
" 6.	7	23	8	23	8	24	8	22	8	22	8	20	9	22	9	24	8	21	8	25	8	24	9	23	9	22	9	23	8	23	9	23	8	18	8	24	8	22	7	22	7	15	7	11	7	9	7	5	490	20.4
" 7.	9	3	9	5	...	0	...	1	...	1	20	4	23	8	23	14	23	7	24	12	24	14	23	23	24	29	22	18	21	22	24	21	26	15	32	15	32	14	4	7	2	8	1	13	32	15	1	7	265	11.0
" 8.	10	2	10	2	9	10	8	15	6	24	7	17	7	25	7	26	7	25	7	28	7	30	7	26	7	26	7	24	7	29	7	28	7	28	7	30	7	31	7	32	7	35	7	32	7	30	7	27	582	24.2
" 9.	7	31	7	30	7	28	7	29	7	26	7	27	7	23	7	24	7	24	7	25	7	22	7	25	7	25	7	26	8	25	8	26	8	20	7	21	7	22	9	30	7	27	7	20	7	28	7	27	622	25.9
" 10.	7	30	7	26	7	25	7	23	7	21	7	19	8	17	8	21	8	20	7	25	8	22	8	28	8	28	8	35	8	26	9	33	8	29	7	23	7	20	7	18	7	15	8	16	8	19	8	17	556	23.2
" 11.	8	24	7	19	8	19	8	20	9	20	8	18	8	20	10	14	10	17	9	23	9	20	9	20	9	20	9	18	11	19	10	18	8	19	8	16	8	13	7	11	8	16	7	10	8	13	9	12	419	17.5
" 12.	5	12	7	18	8	25	7	23	7	26	7	24	7	30	7	30	7	27	7	27	7	27	7	27	7	28	6	27	6	29	7	26	6	27	7	22	6	22	6	23	7	24	7	23	7	25	7	24	596	24.8
" 13.	7	25	7	24	7	19	7	19	5	18	6	14	1	9	1	6	1	11	2	10	6	10	5	8	9	9	11	12	11	10	1	11	32	11	32	16	1	12	1	12	2	12	1	12	32	9	32	10	309	12.9
" 14.	1	5	32	3	31	4	1	8	4	2	32	5	32	5	32	6	2	6	6	6	10	10	9	11	8	8	9	6	23	4	21	7	11	14	9	14	7	10	3	7	4	6	32	5	3	7	6	9	168	7.0
" 15.	5	12	5	10	2	7	4	7	6	10	6	8	6	9	6	14	5	13	6	11	4	7	6	14	4	10	7	12	5	15	5	12	5	18	5	10	6	14	5	13	6	13	7	15	6	15	6	15	287	12.0
" 16.	7	17	6	14	6	11	6	11	7	13	7	18	6	15	6	17	8	18	7	18	8	19	8	15	8	20	9	14	9	13	8	9	9	6	9	5	9	5	9	12	9	12	8	13	8	15	7	15	325	13.5
" 17.	7	18	7	18	8	16	8	20	8	26	8	30	8	25	7	22	7	26	7	25	7	22	8	28	7	24	7	24	7	19	7	22	8	22	8	18	8	16	9	20	8	23	8	23	8	22	8	26	535	22.3
" 18.	7	23	8	26	7	16	8	12	9	11	10	6	29	8	26	16	27	23	27	21	32	5	32	9	30	13	29	15	27	7	25	16	2	12	3	3	2	4	2	8	1	7	1	10	1	11	32	8	290	12.1
" 19.	1	8	32	6	1	9	32	6	30	4	...	1	32	5	32	6	4	2	32	4	7	5	8	6	24	4	16	5	12	8	9	11	8	11	6	10	6	10	5	9	5	11	4	20	6	24	4	24	209	8.7
" 20.	4	21	4	22	5	21	5	23	7	27	6	30	6	26	7	29	6	26	6	26	7	28	7	26	7	24	7	23	8	24	8	26	7	23	6	20	6	21	6	23	6	27	6	26	6	19	7	20	581	24.2
" 21.	7	18	7	26	7	24	7	22	7	23	7	22	7	22	7	22	7	25	7	23	7	18	8	19	7	17	8	13	8	15	7	14	8	17	9	13	9	16	8	17	9	15	10	15	10	16	9	14	446	18.6
" 22.	9	16	9	11	8	5	8	9	9	11	8	19	8	10	8	12	9	11	9	15	7	14	8	16	8	18	9	20	8	18	8	19	8	18	7	15	8	12	8	12	9	13	8	11	8	14	9	21	340	14.2
" 23.	8	20	9	19	8	19	8	23	9	25	7	22	8	21	8	20	8	23	8	23	8	19	8	23	8	24	8	19	8	22	9	24	9	21	7	18	9	16	10	13	9	15	8	22	7	19	8	23	494	20.6
" 24.	8	20	8	23	7	26	7	23	7	20	7	26	7	24	7	27	7	24	7	27	7	26	7	26	7	23	7	20	8	20	7	22	7	21	7	18	8	24	7	19	7	23	8	18	7	14	7	17	533	22.2
" 25.	8	15	9	17	7	16	7	16	8	11	8	13	7	17	8	15	10	10	8	12	9	13	9	15	9	16	9	17	22	7	24	4	32	9	32	7	2	8	32	4	1	6	10	7	6	18	7	23	304	12.7
" 26.	6	27	7	27	7	31	7	32	7	32	6	29	6	26	7	31	7	34	7	33	7	30	6	25	7	29	7	32	7	29	7	22	7	18	7	19	7	18	7	23	7	21	6	21	6	20	7	18	634	26.4
" 27.	7	17	6	9	7	10	4	7	7	10	4	8	6	9	4	5	6	9	2	7	31	5	1	8	29	7	2	8	32	14	32	10	2	10	2	13	32	4	2	8	2	15	32	11	2	3	1	5	212	8.8
" 28.	1	14	32	18	32	10	1	17	32	15	1	10	1	15	1	12	32	12	32	11	1	10	2	5	2	7	6	9	6	10	6	9	7	5	1	10	1	9	1	7	1	11	6	12	1	9	4	7	250	10.4
" 29.	3	8	32	11	2	10	2	10	32	12	3	7	2	13	2	11	1	11	1	11	32	12	4	8	1	10	32	10	6	6	11	8	10	5	9	7	7	5	7	8	7	11	6	12	1	9	4	7	222	9.2
" 30.	4	12	1	17	1	22	32	15	32	18	1	20	1	23	1	16	1	11	2	9	3	14	4	13	6	17	10	16	10	21	11	14	10	15	9	16	9	12	6	12	6	11	6	9	5	12	5	12	369	15.4
" 31.	4	8	7	7	4	10	6	12	30	7	5	18	5	11	6	12	6	17	7	18	9	19	10	25	8	20	9	24	8	22	7	17	8	14	7	17	7	13	6	11	3	10	1	10	5	7	5	9	338	14.1
Sums.	...	509	...	518	...	495	...	505	...	515	...	523	...	526	...	518	...	559	...	571	...	570	...	579	...	572	...	583	...	556	...	551	...	508	...	481	...	416	...	418	...	475	...	473	...	476	...	491	12482	520.1
Hourly Means.	...	16.4	...	16.7	...	16.0	...	16.3	...	16.6	...	16.9	...	17.0	...	16.7	...	18.7	...	18.3	...	18.3	...	18.7	...	18.4	...	18.8	...	18.3	...	17.8	...	16.4	...	15.5	...	14.4	...	14.5	...	15.3	...	15.5	...	15.4	...	15.8	402.6	16.8

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR JANUARY, 1885.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	2.8	14.7	0.0	0.0	+ 2.8	+ 14.7	E 11° N
2 „	2.9	14.3	0.0	0.0	2.9	14.3	E 11° N
3 „	2.7	13.7	0.1	0.1	2.6	13.6	E 11° N
4 „	2.9	14.0	0.1	0.0	2.8	14.0	E 11° N
5 „	2.6	14.3	0.1	0.2	2.5	14.1	E 10° N
6 „	3.0	14.6	0.2	0.1	2.8	14.5	E 11° N
7 „	3.6	13.7	0.0	0.6	3.6	13.1	E 15° N
8 „	2.6	14.6	0.2	1.0	2.4	13.6	E 10° N
9 „	3.4	14.5	0.4	0.8	3.0	13.7	E 12° N
10 „	2.8	15.6	0.0	1.0	2.8	14.6	E 11° N
11 „	1.5	16.2	0.4	0.8	1.1	15.4	E 4° N
Noon.	1.8	16.5	0.3	1.1	1.5	15.4	E 6° N
1 p.	1.7	16.1	0.0	1.3	1.7	14.8	E 7° N
2 „	1.6	16.2	0.8	1.3	0.8	14.9	E 3° N
3 „	1.5	15.3	1.2	1.6	0.3	13.7	E 1° N
4 „	1.4	14.7	0.9	1.8	0.5	12.9	E 2° N
5 „	2.0	14.0	0.8	0.7	1.2	13.3	E 5° N
6 „	2.6	13.3	0.0	0.2	2.6	13.1	E 11° N
7 „	2.4	12.4	0.0	0.2	2.4	12.2	E 11° N
8 „	3.1	12.3	0.4	0.1	2.7	12.2	E 12° N
9 „	3.3	12.9	0.5	0.0	2.8	12.9	E 12° N
10 „	3.4	12.7	0.3	0.0	3.1	12.7	E 14° N
11 „	3.3	13.0	0.1	0.0	2.9	13.0	E 13° N
Midt.	2.8	13.8	0.1	0.0	+ 2.7	+ 13.8	E 11° N
Mean,.....	2.7	14.3	0.3	0.5	2.3	13.8	E 9° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AT VICTORIA PEAK, AND SEA DISTURBANCE.

Date.	4 a.			10 a.			4 p.			10 p.		
	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.
1885.												
Jan. 1,.....	...	...	5	E	4	5	SE	3	5	NE	4	4
„ 2,.....	...	...	3	N	3	3	WNW	4	2	N	4	4
„ 3,.....	...	...	6	E	6	6	E	5	6	E	5	5
„ 4,.....	...	...	5	E	4	5	E	4	4	E	4	7
„ 5,.....	...	...	4	E	4	4	E	4	4	E	4	4
„ 6,.....	...	...	4	SE	4	4	SE	1	3	SE	4	3
„ 7,.....	...	...	3	NW	4	3	NW	5	3	N	4	3
„ 8,.....	...	...	4	E	4	5	E	4	5	E	6	5
„ 9,.....	...	...	5	E	6	5	E	5	5	E	5	5
„ 10,.....	...	...	5	E	5	5	E	4	4	E	4	4
„ 11,.....	...	...	4	E	4	4	E	4	4	E	5	4
„ 12,.....	...	...	4	E	4	5	E	4	6	E	4	6
„ 13,.....	...	...	4	E	4	4	E	4	4	E	4	4
„ 14,.....	...	...	3	ENE	4	4	ENE	3	4	ENE	4	4
„ 15,.....	...	...	4	ENE	5	4	E	4	4	ENE	4	5
„ 16,.....	...	...	5	E	4	5	E	4	4	E	4	5
„ 17,.....	...	...	5	SE	5	5	SE	6	5	SE	5	5
„ 18,.....	...	...	4	NW	5	4	NW	4	3	NNE	4	4
„ 19,.....	...	...	3	ENE	4	3	ENE	4	5	ENE	4	5
„ 20,.....	...	...	5	E	5	5	E	5	5	E	5	6
„ 21,.....	...	...	5	ESE	5	5	ESE	5	5	ESE	4	4
„ 22,.....	...	...	3	ESE	3	3	ESE	3	3	ESE	3	3
„ 23,.....	...	...	3	E	2	4	ESE	3	4	ESE	4	3
„ 24,.....	...	...	4	E	5	4	ESE	5	5	SE	5	5
„ 25,.....	...	...	3	SE	3	3	E	4	3	E	5	2
„ 26,.....	...	...	5	E	6	5	E	5	6	E	5	5
„ 27,.....	...	...	4	E	4	4	NW	4	4	NE	4	4
„ 28,.....	...	...	4	NE	4	4	ENE	4	4	NE	4	5
„ 29,.....	...	...	4	NE	4	4	ENE	2	4	ENE	4	4
„ 30,.....	...	...	4	ENE	4	4	E	4	5	E	4	4
„ 31,.....	...	...	5	E	4	5	E	4	5	E	4	5
Mean,.....	...	...	4.2	E 5° N	4.3	4.3	E 1° N	4.1	4.3	E 5° N	4.3	4.4

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1885.	ins.	ins.	ins.	°	°	°	°	°	°	°
Jan. 1,.....	28.307	28.246	28.249	56.4	57.6	54.4	123.0	57.8	48.0	47.5
" 2,.....	28.367	28.320	28.333	57.2	59.8	58.8	120.0	60.8	47.0	47.1
" 3,.....	28.406	28.326	28.364	51.8	52.8	51.8	109.0	58.8	47.0	48.5
" 4,.....	28.399	28.334	28.340	56.8	60.8	55.8	124.0	60.8	51.0	50.5
" 5,.....	28.382	28.309	28.298	59.2	62.8	56.2	126.0	62.8	50.0	50.5
" 6,.....	28.344	28.259	28.263	62.8	65.8	62.0	122.0	65.8	51.0	51.9
" 7,.....	28.272	28.193	28.256	63.6	60.8	56.8	121.0	64.7	51.2	46.5
" 8,.....	28.300	28.241	28.291	52.8	53.8	49.8	116.0	57.1	47.0	50.5
" 9,.....	28.330	28.250	28.291	51.8	52.8	50.8	90.0	53.7	49.0	48.5
" 10,.....	28.326	28.242	28.261	53.6	54.8	49.8	114.0	55.7	49.8	50.5
" 11,.....	28.268	28.220	28.237	58.8	54.8	52.8	115.0	58.8	49.8	51.5
" 12,.....	28.241	28.211	28.223	51.8	53.8	52.8	109.0	54.7	49.8	48.5
" 13,.....	28.288	28 288	28.286	52.8	46.8	42.8	104.0	53.7	42.8	43.5
" 14,.....	28.315	28.239	28.291	47.8	52.8	45.8	108.0	53.7	42.8	43.5
" 15,.....	28.309	28.242	28.278	45.8	46.8	43.8	104.0	47.7	43.8	43.5
" 16,.....	28.289	28.209	28.242	46.8	48.8	46.8	74.0	51.7	43.8	43.5
" 17,.....	28.219	28.142	28.195	51.8	55.8	52.8	103.0	56.7	46.8	45.5
" 18,.....	28.224	28.179	28.244	49.8	48.8	43.8	80.0	53.7	42.0	34.5
" 19,.....	28.337	28.293	28.357	43.8	47.8	41.8	96.0	50.7	41.8	36.5
" 20,.....	28.416	28.344	28.371	47.8	46.8	45.8	104.0	48.7	41.8	42.5
" 21,.....	28.343	28.288	28.281	49.4	50.8	49.8	83.0	51.7	45.8	47.7
" 22,.....	28.412	28.344	28.343	57.0	57.8	56.6	120.0	58.0	47.0	47.7
" 23,.....	28.408	28.312	28.304	55.2	58.8	56.6	115.0	58.8	53.0	48.9
" 24,.....	28.319	28.236	28.281	54.8	56.8	54.8	102.0	56.8	53.0	49.5
" 25,.....	28.362	28.311	28.303	61.6	58.8	52.8	116.0	62.7	53.0	50.5
" 26,.....	28.327	28.259	28.278	50.8	50.8	48.8	78.0	52.8	48.8	47.5
" 27,.....	28.344	28.286	28.321	49.8	48.8	44.8	81.0	52.7	44.8	38.5
" 28,.....	28.389	28.325	28.348	42.8	43.8	41.8	80.0	45.8	40.0	40.5
" 29,.....	28.370	28.315	28.359	43.4	47.8	45.8	99.0	47.8	41.8	40.5
" 30,.....	28.408	28.355	28.392	45.8	50.8	44.8	112.0	52.7	42.0	40.5
" 31,.....	28.419	28.364	28.351	46.8	48.8	44.8	114.0	50.7	43.0	40.5
Mean,.....	28.337	28.274	28.298	52.3	53.5	50.2	105.2	55.4	46.7	45.7

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND AT VICTORIA PEAK.

Date. 1885.	Relative Humidity.						Tension of Aqueous Vapour.					
	Observatory.			Victoria Peak.			Observatory.			Victoria Peak.		
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.
Jan. 1,.....	71	79	92	73	83	83	0.370	0.458	0.443	0.333	0.395	0.351
" 2,.....	68	65	87	73	71	71	0.410	0.423	0.472	0.344	0.366	0.351
" 3,.....	71	69	78	86	86	92	0.377	0.367	0.395	0.332	0.346	0.358
" 4,.....	72	74	92	81	77	96	0.395	0.450	0.478	0.376	0.411	0.427
" 5,.....	76	64	78	86	75	85	0.463	0.421	0.456	0.437	0.427	0.383
" 6,.....	77	73	90	88	79	94	0.490	0.491	0.530	0.508	0.506	0.522
" 7,.....	84	75	58	84	87	75	0.531	0.477	0.319	0.496	0.464	0.349
" 8,.....	75	73	80	92	88	92	0.403	0.403	0.408	0.372	0.365	0.331
" 9,.....	78	74	81	99	99	99	0.415	0.409	0.417	0.384	0.398	0.370
" 10,.....	70	72	78	82	86	92	0.388	0.417	0.420	0.335	0.374	0.331
" 11,.....	63	69	87	71	93	86	0.387	0.442	0.503	0.351	0.400	0.346
" 12,.....	78	72	84	99	99	99	0.420	0.411	0.419	0.384	0.413	0.398
" 13,.....	77	61	61	86	91	83	0.369	0.312	0.264	0.346	0.295	0.229
" 14,.....	67	60	67	84	79	91	0.300	0.307	0.299	0.283	0.320	0.284
" 15,.....	75	76	78	91	99	99	0.327	0.330	0.334	0.284	0.319	0.285
" 16,.....	76	79	82	99	99	91	0.346	0.375	0.394	0.319	0.344	0.295
" 17,.....	80	81	89	99	93	99	0.421	0.454	0.473	0.384	0.416	0.398
" 18,.....	86	88	71	99	92	83	0.374	0.346	0.254	0.357	0.318	0.239
" 19,.....	64	59	69	91	77	83	0.254	0.287	0.291	0.262	0.259	0.220
" 20,.....	69	63	84	84	84	84	0.301	0.303	0.376	0.283	0.271	0.260
" 21,.....	77	76	87	95	99	99	0.375	0.405	0.459	0.336	0.370	0.357
" 22,.....	83	76	92	96	96	96	0.509	0.491	0.517	0.446	0.459	0.440
" 23,.....	83	77	83	97	93	95	0.466	0.456	0.443	0.423	0.465	0.434
" 24,.....	80	82	86	98	96	99	0.453	0.477	0.477	0.423	0.443	0.428
" 25,.....	78	72	78	87	99	86	0.498	0.457	0.431	0.478	0.495	0.346
" 26,.....	81	75	83	99	92	99	0.397	0.380	0.411	0.370	0.344	0.344
" 27,.....	86	81	87	99	99	91	0.394	0.333	0.301	0.357	0.344	0.273
" 28,.....	73	71	81	91	91	99	0.272	0.296	0.297	0.252	0.262	0.264
" 29,.....	67	62	81	96	77	91	0.251	0.297	0.323	0.271	0.259	0.284
" 30,.....	62	58	79	76	72	84	0.261	0.284	0.314	0.237	0.269	0.250
" 31,.....	67	60	75	84	78	84	0.282	0.284	0.320	0.271	0.270	0.250
Mean,.....	75	71	81	89	88	90	0.384	0.389	0.395	0.356	0.367	0.335

TABLE XII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1885.												
Jan. 1, ...	1	cum.	E	10	c-cum.	W	3	cum.	...	2	c-cum.	W
„ 2, ...	0	...	...	2	c-cum.	W	0	...	...	0	...	...
„ 3, ...	2	cum.	E	10	cum.	E	8	cum.	E	9	R-cum.	E
„ 4, ...	10	cum-nim.	E	10	cum.	...	5	sm-cum.	E	0	...	...
„ 5, ...	3	cum.	ESE	0	...	...	0	...	...	0	...	...
„ 6, ...	10	cum.	SE	2	cum.	E	2	cum.	E	2	R-cum.	ES
„ 7, ...	10	nim.	...	...	fog.	...	0	...	...	0	...	...
„ 8, ...	0	...	...	0	...	...	9	cum.	E	6	cum.	E
„ 9, ...	9	cum. / cum-nim.	E	10	cum.	...	10	cum.	E	10	cum-nim.	E
„ 10, ...	10	sm-cum. / cum.	E	6	cum.	E	7	cum.	E	8	cum. / cum-nim.	S / 1
„ 11, ...	0	...	...	0	...	...	8	cum.	E	5	c-cum. / cum.	W / 1
„ 12, ...	9	cum.	E	3	cum.	E	8	cum.	E	4	cum.	E
„ 13, ...	10	R-cum.	...	10	R-cum.	...	10	R-cum.	...	10	R-cum.	NN
„ 14, ...	10	str.	...	10	str.	...	10	str.	...	10	str.	...
„ 15, ...	10	cum-nim.	...	10	cum-nim.	...	10	cum-nim.	E	10	cum-nim.	E
„ 16, ...	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	10	R-cum.	E
„ 17, ...	8	cum.	SE	10	cum.	E	10	cum-nim.	E	10	cum-nim.	E
„ 18, ...	10	cum.	SE	10	cum-nim.	...	10	nim.	...	10	nim.	N
„ 19, ...	9	cum.	W	5	sm-cum.	W	10	cum-nim.	ESE	10	cum.	SS
„ 20, ...	8	cum.	NNW	10	str.	...	9	cum.	E	4	c-cum. / cum.	W / 1
„ 21, ...	3	cum.	W	9	cum.	W	10	cum. / cum-nim.	ESE	10	cum-nim.	E
„ 22, ...	10	R-cum.	SSE	10	R-cum.	...	10	R-cum.	ESE	10	R-cum.	E
„ 23, ...	5	str.	NW	10	str.	E	10	cum-nim.	ENE	10	cum. / cum-nim.	E
„ 24, ...	7	cum.	SE	5	cum.	E	10	cum-nim.	E	10	cum. / R-cum.	E / W
„ 25, ...	9	cum. / cum-nim.	W / SE	10	cum.	SE	6	cum.	SE	6	sm-cum. / cum.	S / 1
„ 26, ...	9	sm-cum. / cum.	W / E	10	nim.	E	10	nim.	E	10	cum-nim.	E
„ 27, ...	10	cum-nim.	ENE	10	cum-nim.	ENE	10	cum-nim.	ENE	10	nim.	EN
„ 28, ...	10	nim.	...	10	nim.	...	10	cum.	W	10	str.	...
„ 29, ...	10	cum.	E	10	nim.	E	10	R-cum.	W	10	str.	...
„ 30, ...	10	R-cum.	ENE	9	cum.	W	10	sm-cum.	WSW	1	sm-cum.	N
„ 31, ...	1	sm-cum.	W	2	sm-cum.	W	1	sm-cum.	W	4	sm-cum.	W
Mean, ...	7.2	...	...	7.4	...	...	7.6	...	...	6.8	...	...

TABLE XII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Daily and Monthly Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1885.													
1,.....	4	c-cum.	W	2	c-str. / R-cum.	W / E	0	...	...	0	...	...	2.7
2,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.3
3,.....	6	cum.	E	10	R-cum.	E	10	cum.	E	10	cum. / cum-nim.	SSE / E	8.1
4,.....	0	...	...	0	...	...	0	...	...	0	...	...	3.1
5,.....	1	sm-cum.	S	1	sm-cum.	S	5	cum.	SE	8	cum.	SE	2.3
6,.....	9	sm-cum.	WSW	10	sm-cum. / R-cum.	SSW / ESE	4	cum.	SE	10	str.	...	6.1
7,.....	3	cum.	N	2	cum.	NNW	0	...	...	0	...	...	2.1
8,.....	7	cum.	SSW	8	sm-cum. / cum-nim.	SSW / E	8	cum.	E	10	cum-nim.	E	6.0
9,.....	10	cum-nim.	E	9	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	9.7
10,.....	0	...	...	0	...	...	0	...	...	1	str.	...	4.0
11,.....	7	c. / sm-cum.	W / ESE	6	sm-cum. / cum.	SSE / E	10	cum.	E	10	cum.	E	5.7
12,.....	6	sm-cum. / cum.	E	7	sm-cum. / R-cum.	W / E	3	cum.	E	4	cum.	E	5.5
13,.....	10	cum.	N	10	R-cum.	...	10	str.	...	10	str.	...	10.0
14,.....	10	R-cum.	W	10	c-cum. / R-cum.	W / WNW	10	cum.	W	3	cum.	W	9.1
15,.....	10	cum-nim.	ENE	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	10.0
16,.....	10	R-cum.	E	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	10.0
17,.....	10	cum-nim.	E	10	R-cum.	ESE	10	cum.	E	10	cum.	E	9.8
18,.....	10	cum-nim.	NW	10	nim.	NNW	10	nim.	WNW	9	cum-nim.	W	9.9
19,.....	10	sm-cum.	WSW	10	str.	...	10	cum.	ESE	10	cum.	ESE	9.3
20,.....	1	c-cum.	W	0	...	...	0	...	...	0	...	...	4.0
21,.....	10	nim.	E	10	cum-nim.	SE	10	cum.	SE	4	cum.	SSE	8.3
22,.....	10	R-cum.	E	5	cum.	WNW	1	cum.	NNW	10	cum.	N	8.3
23,.....	9	sm-cum. / cum.	W / E	2	R-cum.	ESE	3	cum.	SE	8	cum.	SE	7.1
24,.....	10	cum-nim.	E	10	cum. / cum-nim.	W / SE	10	cum. / cum-nim.	W / SE	10	cum. / cum-nim.	W / SE	9.0
25,.....	10	sm-cum. / cum.	W / E	10	cum-nim.	E	10	cum. / cum.	W / SE	10	cum. / cum.	W / SE	8.9
26,.....	10	nim.	E	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	9.9
27,.....	10	cum-nim.	N	10	cum-nim.	NE	10	nim.	...	10	nim.	...	10.0
28,.....	10	str.	NE	10	str.	E	10	nim.	...	10	cum-nim.	E	10.0
29,.....	10	str.	W	7	cum.	W	3	sm-cum.	WNW	1	cum.	NE	7.6
30,.....	0	...	...	0	...	...	0	...	...	0	...	...	3.8
31,.....	5	sm-cum. / cum.	W / E	2	sm-cum.	W	10	sm-cum.	W	10	sm-cum.	W	4.4
Mean,.....	7.0	...	...	6.5	...	...	6.4	...	...	6.7	...	...	6.9

TABLE XIII.

RAINFALL AT DIFFERENT STATIONS.

Date.	Observatory.		Stone Cutters' Island.	Victoria Pe
	Amount.	Duration.	Amount.	Amount.
1885.	ins.	hrs.	ins.	ins.
Jan. 1,	...	0	...	...
" 2,	...	0	...	...
" 3,	...	2	...	...
" 4,	...	0	...	...
" 5,	...	0	...	...
" 6,	...	0	...	...
" 7,	...	0	...	...
" 8,	...	0	...	...
" 9,	...	0	...	...
" 10,	...	0	...	...
" 11,	...	0	...	...
" 12,	...	0	...	...
" 13,	...	0	...	...
" 14,	...	0	...	...
" 15,	...	0	...	...
" 16,	...	0	...	...
" 17,	...	2	0.02	...
" 18,	0.080	7	0.07	...
" 19,	...	0	...	...
" 20,	...	0	...	...
" 21,	...	0	...	...
" 22,	...	0	...	...
" 23,	...	0	...	...
" 24,	...	0	...	...
" 25,	...	3	...	...
" 26,	...	4	...	...
" 27,	0.755	10	0.60	0.75
" 28,	0.035	2	0.02	...
" 29,	...	0	...	...
" 30,	...	0	...	...
" 31,	...	0	...	...
Total,	0.870	30	0.71	0.75

W. Doberck,
Government Astronom

Hongkong Observatory, 1st August, 1885.

HONGKONG OBSERVATORY.

Weather Report for February, 1885.

In the *China Coast Meteorological Register*, based on information transmitted by the Great Northern and the Eastern Extension Telegraph Companies, which was daily published, is given a summary of the atmospheric circumstances in Luzon and along the Coast of China. It also contains information concerning the weather in Nagasaki and Wladivostock.

On the 6th, the existence of an atmospheric depression was indicated by a fall in the height of the barometer, a rise of temperature, and the veering of the wind and clouds.

Unusual visibility was noted on the 7th, the 17th, and the 21st.

Dew fell in the evening on the 21st.

The Total Distance travelled by, as well as the Duration and average Velocity of Winds from different quarters were as follows:—

Direction.	*Total Distance.*	*Duration.*	*Velocity.*
	Miles.	Hours.	Miles per hour.
N	1296	155	8.4
NE	1122	92	12.2
E	8145	352	23.1
SE	48	5	9.6
S	148	7	21.1
SW	101	9	11.2
W	261	28	9.3
NW	138	18	7.7
Calm	2	6	0.3

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF FEBRUARY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Feb. 1, ...	30.251	30.238	30.222	30.225	30.223	30.230	30.250	30.273	30.283	30.293	30.267	30.249	30.246	30.240	30.224	30.232	30.227	30.227	30.238	30.243	30.250	30.249	30.237	30.238	30.244
„ 2, ...	30.239	30.228	30.220	30.215	30.216	30.230	30.252	30.264	30.274	30.278	30.271	30.244	30.223	30.213	30.194	30.196	30.212	30.221	30.233	30.240	30.253	30.244	30.194	30.185	30.231
„ 3, ...	30.191	30.187	30.173	30.155	30.156	30.163	30.191	30.189	30.190	30.190	30.181	30.143	30.115	30.084	30.058	30.052	30.058	30.070	30.074	30.070	30.058	30.048	30.039	30.011	30.119
„ 4, ...	29.998	29.969	29.982	29.978	29.980	29.996	29.997	30.010	30.024	30.022	30.004	29.982	29.946	29.929	29.927	29.952	29.952	29.954	29.958	29.967	29.965	29.969	29.942	29.935	29.972
„ 5, ...	29.939	29.928	29.912	29.893	29.904	29.917	29.933	29.960	29.989	29.990	29.986	29.946	29.912	29.880	29.865	29.869	29.872	29.884	29.878	29.907	29.906	29.916	29.906	29.897	29.916
„ 6, ...	29.895	29.893	29.875	29.859	29.852	29.872	29.876	29.885	29.891	29.890	29.865	29.834	29.796	29.778	29.756	29.756	* .765	29.775	29.793	29.798	29.813	29.818	29.822	29.832	29.833
„ 7, ...	29.834	29.835	29.831	29.823	* .826	* .838	* .855	* .876	* .901	29.910	29.892	29.876	29.861	29.834	29.813	29.820	29.831	29.844	29.851	29.867	29.876	29.876	29.873	29.866	29.855
„ 8, ...	29.865	29.845	29.849	29.836	29.847	29.847	29.862	29.883	29.904	29.913	29.902	29.883	29.852	29.836	29.816	29.814	29.846	29.848	29.877	29.886	29.902	29.921	29.933	29.947	29.871
„ 9, ...	29.941	29.937	29.929	29.930	29.925	29.932	29.952	29.963	29.988	30.008	30.002	29.980	29.958	29.944	29.912	29.923	29.914	29.919	29.927	29.939	29.961	29.940	29.958	29.963	29.948
„ 10, ...	29.962	29.954	29.947	29.940	29.938	29.941	29.963	29.973	29.995	30.008	29.999	29.974	29.951	29.922	29.888	29.895	29.895	29.912	29.921	29.949	29.942	29.945	29.942	29.936	29.945
„ 11, ...	29.927	29.938	29.927	29.909	29.900	29.923	29.935	29.957	29.977	29.992	29.976	29.968	29.935	29.911	29.895	29.894	29.882	29.889	29.907	29.927	29.936	29.942	29.952	29.961	29.932
„ 12, ...	29.976	29.972	29.961	29.969	29.969	29.991	30.010	30.038	30.067	30.072	30.067	30.060	30.020	29.999	29.994	30.000	30.012	30.020	30.024	30.046	30.058	30.073	30.080	30.080	30.023
„ 13, ...	30.073	30.062	30.058	30.051	30.045	30.050	30.077	30.092	30.108	30.119	30.096	30.083	30.058	30.034	30.020	30.017	30.021	30.036	30.055	30.073	30.076	30.091	30.103	30.098	30.066
„ 14, ...	30.099	30.098	30.089	30.088	30.083	30.101	30.111	30.134	30.151	30.155	30.140	30.119	30.089	30.065	30.053	30.049	30.054	30.065	30.077	30.094	30.104	30.114	30.112	30.106	30.098
„ 15, ...	30.090	30.081	30.080	30.075	30.060	30.074	30.092	30.116	30.103	30.104	30.085	30.070	30.042	30.014	29.992	29.994	29.997	29.999	30.020	30.017	30.018	30.021	30.002	29.997	30.048
„ 16, ...	29.983	29.966	29.952	29.951	29.948	29.958	29.970	29.978	29.987	29.981	29.979	29.943	29.921	29.898	29.883	29.883	29.885	29.893	29.910	29.936	29.952	29.955	29.964	29.964	29.943
„ 17, ...	29.962	29.963	29.962	29.956	29.958	30.001	30.019	30.028	30.060	30.050	30.058	30.050	30.035	30.004	30.005	30.000	30.008	30.009	30.032	30.046	30.068	30.079	30.080	30.079	30.021
„ 18, ...	30.069	30.056	30.058	30.057	30.065	30.089	30.116	30.139	30.171	30.185	30.173	30.148	30.130	30.134	30.105	30.112	30.126	30.138	30.149	30.170	30.185	30.197	30.192	30.171	30.131
„ 19, ...	30.169	30.147	30.133	30.128	30.124	30.150	30.166	30.165	30.185	30.195	30.179	30.139	30.107	30.089	30.064	30.076	30.088	30.093	30.107	30.101	30.121	30.120	30.119	30.124	30.129
„ 20, ...	30.111	30.097	30.081	30.063	30.052	30.054	30.068	30.075	30.082	30.101	30.061	30.063	30.043	30.005	29.992	29.988	29.992	29.984	29.985	30.005	30.004	29.999	29.987	29.984	30.036
„ 21, ...	29.962	29.926	29.915	29.907	29.903	29.915	29.952	29.983	29.999	30.001	29.988	29.977	29.952	29.935	29.913	29.909	29.918	29.931	29.955	29.987	29.994	30.005	30.012	30.015	29.956
„ 22, ...	29.996	29.981	29.977	29.980	29.993	30.013	30.050	30.066	30.069	30.089	30.072	30.052	30.033	30.003	29.986	29.990	29.996	30.004	30.030	30.036	30.026	30.055	30.055	30.065	30.026
„ 23, ...	30.079	30.049	30.011	29.976	30.025	30.044	30.068	30.083	30.123	30.123	30.115	30.096	30.075	30.040	30.020	30.024	30.037	30.045	30.057	30.088	30.106	30.108	30.124	30.116	30.068
„ 24, ...	30.106	30.106	30.088	30.087	30.099	30.116	30.123	30.140	30.168	30.172	30.174	30.152	30.133	30.105	30.092	30.070	30.099	30.094	30.107	30.111	30.128	30.118	30.127	30.117	30.118
„ 25, ...	30.120	30.104	30.074	30.082	30.085	30.091	30.114	30.144	30.151	30.155	30.154	30.121	30.121	30.097	30.079	30.076	30.071	30.082	30.097	30.113	30.147	30.143	30.162	30.145	30.114
„ 26, ...	30.143	30.123	30.111	30.106	30.105	30.110	30.118	30.144	30.152	30.154	30.158	30.134	30.092	30.068	30.043	30.044	30.056	30.060	30.086	30.086	30.096	30.114	30.112	30.116	30.105
„ 27, ...	30.103	30.092	30.068	30.071	30.071	30.091	30.102	30.124	30.145	30.151	30.134	30.102	30.071	30.044	30.025	30.020	30.028	30.040	30.054	30.088	30.107	30.125	30.118	30.115	30.087
„ 28, ...	30.102	30.105	30.083	30.070	30.073	30.088	30.103	30.115	30.118	30.121	30.117	30.096	30.076	30.053	30.039	30.036	30.036	30.048	30.051	30.066	30.071	30.089	30.079	30.083	30.080
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	30.042	30.031	30.020	30.014	30.015	30.029	30.047	30.064	30.081	30.086	30.075	30.053	30.028	30.006	29.988	29.989	29.996	30.003	30.015	30.031	30.040	30.045	30.044	30.041	30.033

* Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF FEBRUARY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Feb. 1,	53.9	53.5	53.3	52.8	52.5	52.4	52.5	53.9	55.6	57.1	59.7	61.1	63.0	61.2	59.6	58.3	57.9	57.1	56.7	55.5	55.6	55.6	55.5	55.0	56.2	63.1	52.3
,, 2,	53.7	52.5	52.2	52.0	51.3	51.0	50.6	51.6	53.4	54.6	56.7	58.1	61.2	60.8	60.1	59.5	57.6	56.3	56.1	55.0	55.6	55.3	54.3	53.6	55.1	61.2	50.5
,, 3,	53.6	54.0	54.3	54.5	54.4	54.0	53.9	54.1	55.7	56.6	56.7	57.8	57.9	59.0	57.9	58.2	56.3	55.4	55.7	55.8	56.5	56.5	56.3	56.1	55.9	59.3	53.6
,, 4,	55.8	55.5	55.7	55.1	54.7	54.9	55.0	54.8	54.8	56.4	58.9	59.1	59.4	59.1	57.2	57.1	57.3	57.1	57.0	57.1	57.2	57.2	57.6	57.6	56.7	59.9	54.4
,, 5,	57.1	56.9	56.9	57.0	57.1	56.8	56.8	56.9	57.1	57.8	58.0	59.7	59.4	58.9	59.2	59.0	58.7	58.2	58.6	59.0	59.2	59.3	59.2	58.9	58.2	59.8	56.7
,, 6,	58.7	59.0	59.1	59.4	59.6	59.2	59.3	59.8	60.7	60.7	62.6	67.3	67.1	67.4	68.9	69.2	69.0	69.3	68.8	69.0	66.3	67.9	67.1	65.7	64.2	69.4	58.7
,, 7,	65.6	64.1	63.8	62.1	62.0	62.3	62.2	63.1	64.9	66.2	66.6	67.9	67.2	67.0	67.4	64.4	63.4	62.7	62.5	62.2	62.2	61.9	61.7	60.9	63.9	68.4	60.9
,, 8,	59.9	59.3	59.0	58.6	58.7	58.2	58.4	58.3	58.5	57.8	58.1	58.2	57.9	57.8	56.6	56.1	56.1	56.0	55.5	54.9	54.6	54.6	53.8	53.5	57.1	60.9	53.1
,, 9,	54.1	53.4	53.1	53.1	53.2	53.1	52.3	53.5	53.5	53.9	53.9	54.4	54.9	53.9	53.8	53.7	53.7	54.0	54.3	54.4	54.3	53.7	53.9	53.9	53.7	55.5	52.3
,, 10,	53.7	53.6	53.4	53.1	53.2	53.4	53.4	53.7	54.4	54.5	54.6	54.9	55.2	55.0	54.9	54.8	54.9	54.9	55.0	55.5	55.9	56.1	55.6	55.2	54.5	56.1	53.0
,, 11,	55.3	55.3	55.6	55.6	55.7	55.7	55.8	56.1	56.4	56.7	56.9	56.2	56.5	56.8	57.1	57.1	56.9	56.7	57.0	57.1	57.5	57.5	57.0	55.9	56.4	57.5	55.1
,, 12,	55.1	54.9	54.8	54.5	54.4	54.1	53.9	54.0	54.1	54.9	56.8	58.1	58.6	59.1	58.8	57.2	56.8	56.0	56.0	55.9	55.9	55.9	55.6	55.2	55.9	59.6	53.9
,, 13,	55.1	55.1	55.2	55.1	55.0	54.9	54.9	55.4	56.5	57.7	58.9	60.0	62.3	63.6	61.8	59.7	59.1	58.7	57.5	57.0	56.2	55.7	55.2	54.7	57.3	64.2	54.6
,, 14,	54.5	53.7	53.4	53.1	53.1	52.5	52.9	53.1	54.1	54.9	56.0	57.0	57.9	57.4	58.8	57.0	56.2	55.6	54.9	55.0	54.9	54.0	54.0	54.1	54.9	58.8	51.9
,, 15,	53.0	53.0	53.0	52.8	51.8	52.6	52.9	52.7	53.8	55.1	55.5	55.3	55.2	55.0	54.9	54.9	54.6	54.5	54.2	54.1	54.5	54.7	54.8	54.5	54.1	55.6	51.8
,, 16,	54.3	54.0	53.6	53.5	53.7	53.7	53.9	54.6	55.2	56.6	57.0	59.0	58.2	58.6	58.8	56.6	56.1	55.6	55.7	55.9	55.2	55.1	54.1	53.6	55.5	59.2	53.5
,, 17,	52.4	52.0	51.6	50.6	51.1	51.0	50.7	50.8	50.6	51.0	50.9	50.2	50.4	50.6	49.9	49.8	50.0	49.5	50.4	50.7	50.7	50.6	50.5	49.5	50.6	53.6	49.5
,, 18,	50.1	49.6	49.1	49.3	48.9	†48.6	*49.2	*49.8	*50.4	51.1	53.4	54.3	55.5	53.3	53.9	52.5	52.3	51.6	51.5	50.9	51.8	52.3	52.4	52.2	51.4	55.5	† 48.2
,, 19,	52.5	52.6	52.8	52.9	52.9	52.6	52.6	52.9	52.5	53.0	54.5	54.1	55.4	55.4	54.8	54.2	54.2	53.7	53.8	53.8	53.9	53.9	53.9	53.8	53.6	55.9	52.0
,, 20,	53.7	53.9	53.6	53.6	53.5	53.4	53.4	54.8	55.4	56.4	57.7	58.2	57.8	57.2	56.1	55.7	55.6	55.0	55.0	55.1	55.4	55.4	55.4	55.5	55.3	58.3	53.4
,, 21,	55.1	55.2	55.1	54.9	54.7	54.2	54.1	53.7	53.4	53.6	54.0	54.8	55.6	56.6	58.7	58.1	57.9	56.5	56.5	55.9	56.1	54.9	54.8	53.8	55.3	59.3	53.1
,, 22,	53.1	52.8	52.3	51.8	51.4	50.9	52.3	53.2	54.3	55.5	57.5	58.1	57.3	57.4	57.6	57.4	56.9	56.0	56.1	55.6	55.4	55.5	55.5	55.0	55.0	58.9	50.9
,, 23,	54.2	53.1	53.0	52.5	53.0	53.4	53.7	54.6	54.3	54.5	53.7	54.0	54.5	54.8	54.3	52.3	52.0	51.5	51.5	51.3	51.5	51.2	50.4	49.8	52.9	55.0	49.8
,, 24,	48.9	48.6	47.7	47.3	46.9	46.4	46.4	47.3	47.6	47.1	46.6	46.9	47.8	48.2	47.8	48.2	48.5	47.9	48.5	48.4	48.9	48.7	48.8	48.4	47.8	49.9	45.9
,, 25,	46.6	46.4	45.9	45.4	45.5	45.6	45.4	45.7	46.6	46.9	47.0	47.4	†47.0	†47.5	†46.7	†46.8	47.4	48.0	47.7	47.6	47.3	47.4	47.0	47.1	46.7	48.4	45.0
,, 26,	46.9	47.3	47.2	47.2	46.9	47.4	47.8	48.6	50.1	51.3	51.0	52.7	54.5	54.7	54.5	53.5	52.1	52.0	52.2	52.2	52.2	52.3	51.9	51.9	50.8	55.8	46.8
,, 27,	51.8	51.9	52.0	52.1	52.0	51.7	52.0	52.3	52.1	54.0	54.7	56.2	56.1	56.0	56.4	55.6	55.2	54.7	53.9	53.7	53.3	53.1	52.9	52.9	53.6	57.0	51.6
,, 28,	52.7	52.6	52.6	52.5	52.6	52.6	52.8	53.9	55.1	56.1	57.3	58.0	58.2	57.9	58.2	57.1	56.0	55.5	55.3	55.2	55.4	55.7	55.8	55.4	55.2	58.7	52.5
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	54.0	53.7	53.5	53.3	53.2	53.1	53.2	53.7	54.3	55.1	55.9	56.7	57.2	57.1	57.0	56.2	55.8	55.4	55.3	55.1	55.1	55.1	54.8	54.4	54.9	58.4	52.3

* Interpolated. † Approximate.

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF FEBRUARY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Sun.	Rad.
Feb. 1,	50.9	50.6	50.4	49.7	49.7	49.8	50.0	50.6	51.1	52.3	53.7	54.7	55.8	55.1	53.2	52.4	52.8	52.4	52.3	52.9	53.1	51.7	49.2	49.9	51.8	126.5	48.5
„ 2,	48.6	47.6	47.2	47.3	46.7	47.1	46.3	47.2	48.5	49.2	51.1	52.0	53.8	53.1	53.4	53.3	50.9	50.6	51.3	51.3	49.4	49.3	47.9	47.1	49.6	121.8	50.1
„ 3,	48.1	49.1	49.4	50.5	50.3	50.3	50.1	50.2	51.7	52.1	51.3	52.2	52.9	53.7	52.7	52.9	51.7	50.8	50.8	50.4	51.9	52.2	52.9	52.7	51.3	99.9	45.8
„ 4,	52.2	52.0	52.5	52.6	52.7	52.5	52.3	52.7	52.7	53.7	55.3	55.3	55.5	55.3	55.0	54.9	55.0	54.9	55.1	55.3	55.4	55.6	56.0	56.0	54.2	120.8	52.1
„ 5,	56.0	56.0	56.1	55.8	55.7	55.6	55.7	56.0	56.2	57.0	56.9	58.1	57.7	57.4	57.3	57.3	57.1	56.8	57.0	57.3	57.2	57.5	57.5	57.4	56.8	84.8	55.4
„ 6,	57.4	57.9	58.1	58.3	58.7	58.2	58.2	58.8	59.1	59.2	60.3	65.0	65.5	65.9	66.7	66.6	66.7	66.9	66.9	66.9	65.5	66.5	66.2	65.3	62.7	94.2	57.5
„ 7,	65.1	63.5	62.6	61.1	61.1	59.9	59.2	61.0	60.5	61.2	61.3	62.0	61.7	61.5	62.0	60.2	59.4	59.4	59.8	60.0	60.0	60.1	59.7	58.4	60.9	127.8	55.6
„ 8,	57.3	56.7	56.6	56.0	55.9	55.7	55.6	55.4	55.8	55.7	55.9	55.8	55.3	54.9	54.7	54.3	54.7	54.4	53.2	52.8	52.5	52.5	51.0	50.7	54.7	84.8	52.1
„ 9,	51.5	50.3	50.1	50.5	50.3	50.5	49.6	50.9	50.5	51.2	51.1	51.3	51.8	51.1	51.1	51.2	51.3	51.5	51.6	51.6	51.7	51.3	50.9	50.7	51.0	70.9	50.6
„ 10,	50.8	50.3	49.9	49.5	49.4	49.7	49.9	50.1	50.8	50.9	51.8	52.2	52.5	52.3	52.2	52.4	52.8	52.5	52.9	53.2	53.9	54.0	54.0	54.0	51.7	81.7	52.3
„ 11,	54.1	54.3	54.5	54.6	54.8	54.4	54.4	54.8	55.0	55.2	55.4	55.1	55.1	55.2	55.5	55.5	55.4	55.3	55.4	55.9	55.9	55.5	55.2	54.9	55.1	74.8	54.2
„ 12,	54.2	54.2	54.0	53.6	53.4	53.2	52.9	52.7	52.6	52.9	53.5	54.3	54.3	54.7	54.2	53.3	53.0	52.7	52.8	52.8	53.0	52.8	52.7	52.7	53.4	120.9	53.6
„ 13,	52.9	52.9	53.0	53.1	53.1	53.1	53.1	53.4	54.1	54.9	55.7	56.3	57.7	58.8	57.8	56.8	56.1	56.0	53.4	52.7	52.3	51.9	51.8	50.9	54.2	104.7	53.8
„ 14,	50.6	49.9	49.3	49.1	49.1	48.1	48.9	48.4	49.4	49.1	50.3	50.7	50.9	50.7	51.6	49.8	49.8	49.2	49.0	49.5	49.9	49.1	49.4	50.1	49.7	94.6	51.1
„ 15,	50.0	50.2	50.7	50.2	50.0	50.5	50.8	50.9	50.7	51.2	51.4	51.1	51.0	50.3	50.4	50.6	50.8	50.8	51.1	51.2	51.2	51.1	51.2	51.1	50.8	83.6	50.7
„ 16,	51.2	50.7	50.7	50.7	51.0	51.0	51.2	51.6	52.3	53.4	54.0	55.1	55.1	55.3	56.1	55.4	55.1	54.7	54.4	55.0	54.3	53.5	52.8	52.0	53.2	84.7	52.0
„ 17,	50.6	50.2	49.4	48.8	49.0	48.8	48.7	49.0	47.8	48.8	48.7	48.0	47.8	47.6	47.0	46.8	46.9	46.3	46.6	47.6	47.7	48.0	47.9	47.0	48.1	67.8	47.8
„ 18,	47.3	47.2	46.9	47.3	46.9	46.4	46.7	47.1	46.9	47.6	49.3	49.7	50.4	48.8	49.4	48.0	48.0	47.6	47.6	47.3	48.7	49.0	49.1	49.1	48.0	77.8	48.1
„ 19,	49.5	49.6	49.3	48.4	47.6	47.9	47.8	47.4	47.9	48.4	48.5	48.6	49.4	49.7	49.9	49.8	50.3	50.3	50.8	50.9	51.2	51.4	51.3	51.3	49.5	90.2	50.8
„ 20,	51.2	51.4	51.3	51.2	51.1	50.9	50.9	51.3	51.7	52.1	53.0	53.1	53.1	53.1	53.0	52.8	52.6	52.4	52.5	52.7	52.8	52.9	53.0	53.0	52.2	103.7	51.5
„ 21,	52.9	53.2	53.2	53.6	53.3	53.2	53.3	52.9	52.0	52.4	52.3	53.1	54.0	54.3	55.5	55.4	55.2	54.7	54.1	53.7	53.4	52.2	51.8	51.4	53.4	90.2	49.1
„ 22,	51.4	50.2	49.7	50.0	49.9	49.3	50.8	51.1	51.5	51.9	53.3	53.9	53.2	53.2	53.5	53.5	53.2	53.1	53.0	52.8	52.4	52.3	51.9	51.3	51.9	109.6	43.5
„ 23,	51.3	50.4	50.4	50.9	50.8	50.9	50.8	51.8	52.3	53.0	51.7	51.4	51.8	53.0	51.5	50.3	50.1	49.7	49.4	49.1	49.1	48.8	48.1	47.9	50.6	77.3	48.5
„ 24,	46.7	46.8	45.9	45.1	45.0	44.3	44.7	44.8	45.3	45.3	45.1	45.6	46.6	46.2	45.5	45.6	45.6	45.1	45.1	45.0	45.3	45.2	45.3	45.5	45.4	67.8	44.0
„ 25,	44.9	44.9	44.6	44.2	44.2	44.1	44.0	44.1	44.7	44.8	45.1	45.2	45.1	44.5	44.9	45.1	45.9	46.2	46.0	46.6	46.1	46.2	46.0	46.2	45.1	65.1	43.6
„ 26,	45.7	46.0	46.0	45.8	45.5	45.4	46.2	46.8	47.5	48.3	47.9	49.3	51.1	51.3	51.0	50.3	49.7	50.1	50.1	50.2	50.2	50.5	49.3	49.4	48.5	88.1	45.0
„ 27,	49.2	49.6	50.2	49.9	50.3	49.4	49.8	49.9	50.0	51.0	51.4	52.4	51.8	51.7	51.7	51.5	51.8	50.4	49.4	49.1	48.8	49.5	48.3	48.5	50.2	96.8	50.8
„ 28,	49.2	49.1	49.3	49.4	48.8	48.6	49.4	49.6	50.6	51.2	51.5	51.0	51.1	50.2	50.2	50.1	49.5	49.0	49.1	49.1	49.0	49.6	48.3	49.0	49.7	102.7	51.1
„	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	51.5	51.2	51.1	51.0	50.9	50.7	50.8	51.1	51.4	51.9	52.4	52.9	53.3	53.2	53.1	52.7	52.5	52.3	52.2	52.2	52.2	52.1	51.7	51.6	51.9	93.3	50.3

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF FEBRUARY, 1885.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1885.		
1 a.	84	0.352	Feb. 1,.....	73	0.328
2 „	84	0.348	„ 2,.....	65	0.284
3 „	85	0.348	„ 3,.....	74	0.319
4 „	85	0.348	„ 4,.....	84	0.389
5 „	85	0.347	„ 5,.....	92	0.444
6 „	85	0.343	„ 6,.....	92	0.551
7 „	85	0.344	„ 7,.....	84	0.496
8 „	83	0.345	„ 8,.....	85	0.398
9 „	82	0.346	„ 9,.....	82	0.340
10 „	80	0.349	„ 10,.....	82	0.348
11 „	79	0.352	„ 11,.....	92	0.418
Noon.	77	0.353	„ 12,.....	84	0.377
1 p	77	0.360	„ 13,.....	80	0.381
2 „	77	0.358	„ 14,.....	67	0.289
3 „	77	0.357	„ 15,.....	78	0.330
4 „	79	0.356	„ 16,.....	85	0.376
5 „	80	0.356	„ 17,.....	82	0.304
6 „	81	0.356	„ 18,.....	77	0.291
7 „	81	0.354	„ 19,.....	72	0.301
8 „	82	0.357	„ 20,.....	80	0.351
9 „	82	0.357	„ 21,.....	87	0.384
10 „	81	0.354	„ 22,.....	80	0.347
11 „	81	0.347	„ 23,.....	84	0.340
Midt.	83	0.350	„ 24,.....	82	0.274
			„ 25,.....	88	0.281
			„ 26,.....	84	0.312
			„ 27,.....	78	0.320
			„ 28,.....	65	0.285
			.....	...	.....
			.....	...	.....
			.....	...	.....
Mean, ...	81	0.352	Mean,.....	81	0.352

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1885.														
Feb. 1,	...	...	0.6	1.0	1.0	0.4	1.0	0.2	0.2	0.5	0.4	...	...	5.3
„ 2,	...	0.5	1.0	1.0	1.0	1.0	1.0	0.2	...	...	0.4	...	...	6.1
„ 3,	...	...	...	...	...	...	...	...	0.3	0.6	0.2	...	...	1.1
„ 4,	...	...	...	...	0.4	0.7	...	0.1	...	...	...	...	...	1.2
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	0.1	...	...	...	...	...	...	...	...	0.1
„ 7,	...	...	0.5	0.9	0.6	0.9	0.9	0.5	0.5	...	...	...	...	4.8
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	0.5	...	0.4	1.0	0.9	0.1	...	...	...	2.9
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.4
„ 20,	...	0.1	0.3	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.3
„ 22,	...	...	...	...	0.1	0.2	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.1
„ 27,	...	...	...	...	...	0.1	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	...	0.6	2.4	2.9	3.7	3.3	3.3	2.0	1.9	1.2	1.0	...	...	22.3
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF FEBRUARY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.
Feb. 1.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4.	...	...	...	...	...	...	...	0·015	0·005	...	...	...	...	...	0·005	...	...	...	...	...	...	0·005	...	...	0·030
„ 5.	...	0·010	...	...	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·015
„ 6.	...	...	...	...	...	...	...	...	...	...	...	0·010	0·010	0·055	0·005	...	...	...	...	...	...	...	...	...	0·080
„ 7.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·050	0·030	0·005	0·005	...	0·005	0·010	...	...	0·005	0.110
„ 9.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	...	...	...	0·010
„ 10.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11.	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	0·010	0·015
„ 12.	...	0·005	0·005	...	0·005	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·020
„ 13.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	0·005	...	0·010	0·005	0·005	...	0·005	0·005	0·045
„ 17.	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 18.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21.	...	...	...	...	...	...	0·010	0·055	0·125	...	...	0·025	...	...	...	...	...	...	...	...	...	...	...	...	0·215
„ 22.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23.	...	...	0·045	0·035	...	...	...	...	0·025	0·010	...	..	0·030	...	...	0·010	0·020	0·010	...	...	0·010	...	...	0·005	0·200
„ 24.	...	0·080	0·085	0·030	0·100	0·045	0·100	0·005	0·070	0·050	0·035	0·195	0·080	0·015	0·015	...	...	0·010	...	...	...	...	...	...	0·825
„ 25.	0·105	0·125	0·040	0·130	0·120	0·075	0·110	0·035	...	...	...	...	...	0·050	0·010	0·005	0·005	...	...	0·035	0·050	0·015	0·055	0·085	1·050
„ 26.	0·010	0·010	0·040	0·015	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·080
„ 27.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	0·120	0·230	0·215	0·210	0·230	0·125	0·220	0·110	0·225	0·065	0·035	0·140	0·125	0·120	0·085	0·055	0·035	0·025	0·010	0·015	0·085	0·020	0·060	0·110	2·700

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND, FOR THE MONTH OF FEBRUARY, 1885.

DATE.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Sums.	Means.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
Feb. 1	5	10	5	11	6	15	5	13	6	10	5	12	5	8	4	7	6	8	9	11	10	12	9	12	9	11	9	10	23	11	24	8	24	4	27	2	30	2	30	2	20	2	7	5	6	12	5	10	208	8.7
" 2	32	11	32	9	1	7	2	4	1	6	1	5	2	4	1	6	4	11	7	15	9	16	10	17	10	13	8	11	8	10	8	8	24	9	24	10	18	6	12	4	32	5	2	6	6	7	2	5	205	8.5
" 3	4	7	5	5	6	10	6	9	6	15	6	16	7	16	6	19	7	22	7	22	7	24	7	24	7	26	6	24	7	26	7	25	7	27	7	23	6	26	7	26	7	28	7	27	7	26	7	25	498	20.7
" 4	7	24	7	24	7	15	7	22	7	22	7	22	8	29	7	26	7	24	7	24	7	28	8	27	7	28	8	26	9	29	9	10	9	8	10	11	10	8	9	11	8	15	9	11	8	11	9	12	458	19.1
" 5	9	5	9	3	9	3	10	17	8	24	7	23	7	23	8	18	8	15	9	12	9	12	9	15	9	22	9	25	8	26	8	23	9	26	8	26	8	33	9	27	8	30	9	26	9	27	8	26	487	20.3
" 6	8	26	8	23	8	24	9	26	8	28	8	29	8	27	8	26	8	19	8	19	6	22	15	12	16	18	16	23	16	22	17	23	18	23	18	30	18	21	18	18	23	13	20	16	21	13	24	14	518	21.6
" 7	25	14	26	11	26	6	23	6	12	5	32	6	21	3	8	6	7	6	9	13	9	15	9	19	9	18	9	20	9	16	8	20	9	20	8	15	8	16	7	16	7	16	6	19	6	21	7	21	328	13.7
" 8	7	28	7	28	7	30	7	32	7	30	7	33	7	33	7	33	7	29	7	27	7	31	7	29	7	27	7	30	7	26	6	22	7	10	4	8	30	11	1	10	2	10	3	9	32	11	1	16	556	23.2
" 9	4	8	1	17	1	9	5	8	3	6	5	10	1	8	4	7	2	8	2	6	2	7	4	10	4	15	5	13	5	19	4	18	6	23	6	29	6	26	6	30	6	27	7	31	7	35	6	31	401	16.7
" 10	6	36	7	33	7	36	7	33	7	33	7	33	7	33	7	33	7	30	7	29	6	31	6	30	6	27	6	25	7	27	7	27	7	26	7	25	7	25	7	22	7	28	7	29	7	26	7	31	708	29.5
" 11	7	26	7	24	7	26	7	32	7	29	7	28	7	31	7	27	7	29	7	23	7	23	7	25	7	25	8	29	9	35	8	31	8	33	8	31	8	26	7	30	7	29	7	32	7	30	7	33	687	28.6
" 12	7	33	7	33	7	32	7	31	7	36	7	35	7	33	7	35	7	32	7	35	7	35	7	30	7	31	7	33	7	27	7	27	7	22	7	21	7	23	7	22	7	21	7	21	7	22	7	21	691	28.8
" 13	8	22	8	18	8	20	8	19	8	21	8	18	8	18	8	18	8	19	8	20	8	22	9	19	9	13	9	10	9	11	9	8	7	5	7	2	5	8	3	9	2	10	2	10	2	7	2	8	335	14.0
" 14	2	5	2	11	2	6	2	6	2	6	2	10	2	6	1	7	1	5	1	9	1	9	32	6	30	7	21	7	29	10	32	14	32	14	32	9	32	9	32	5	32	5	32	7	32	6	4	11	190	7.9
" 15	7	13	6	16	6	15	7	20	7	22	6	26	6	28	6	28	7	35	6	34	7	32	7	30	6	26	7	27	7	25	7	22	8	20	7	15	7	18	7	21	8	27	7	26	7	27	7	27	553	23.1
" 16	7	32	8	38	8	35	7	29	7	30	7	30	7	25	7	21	7	21	8	20	8	20	8	19	8	15	8	9	8	3	8	3	...	0	8	4	8	3	8	2	8	2	8	3	32	5	32	6	357	14.7
" 17	32	7	32	5	32	4	32	12	2	7	2	3	2	4	2	7	31	8	3	9	1	9	1	15	1	15	2	15	1	11	2	9	2	14	2	10	2	10	1	11	1	7	1	5	2	5	2	7	207	8.6
" 18	2	5	2	8	1	9	1	5	1	8	1	8	2	6	2	5	1	9	1	6	6	8	5	15	6	17	2	12	2	13	1	13	1	10	1	7	1	9	3	7	3	10	5	11	4	15	5	16	232	9.7
" 19	6	18	6	20	7	25	7	27	7	36	7	36	7	37	7	34	7	36	7	33	6	32	7	31	7	31	7	28	7	30	7	23	7	26	7	17	8	17	7	23	7	16	7	18	7	21	8	16	623	26.0
" 20	7	16	7	17	8	15	8	17	7	24	7	29	8	30	7	25	7	26	7	26	7	29	7	31	7	30	7	25	7	25	7	23	7	23	7	26	7	25	6	22	8	20	8	23	7	26	7	25	581	24.2
" 21	8	28	8	29	7	26	9	29	7	28	7	30	8	16	28	10	28	18	25	16	26	16	24	11	22	7	22	9	23	6	22	5	23	7	22	10	26	11	28	10	20	4	32	5	32	5	32	333	13.9
" 22	32	5	32	5	32	2	32	3	32	2	32	3	6	5	8	7	8	10	7	23	7	22	8	26	8	29	8	31	7	27	7	25	7	28	7	29	7	28	7	30	7	39	6	37	7	36	6	30	490	20.4
" 23	5	29	7	35	7	36	7	35	6	21	5	29	7	24	7	5	1	8	1	8	1	8	1	11	32	8	1	5	1	6	1	10	1	8	1	9	1	11	1	11	1	6	1	4	1	7	1	6	343	14.3
" 24	1	12	1	13	1	16	1	12	1	13	1	15	1	14	1	16	1	9	1	14	1	17	1	4	1	4	1	4	1	13	1	17	1	15	31	9	2	15	2	15	32	11	32	10	4	7	2	9	286	11.9
" 25	2	12	2	11	2	6	1	16	1	9	1	11	1	11	1	15	2	9	2	19	2	13	2	14	2	10	2	15	2	12	2	10	3	9	3	8	5	7	5	7	4	31	6	32	3	2	7	238	9.9
" 26	1	5	1	7	1	3	1	2	1	2	1	4	1	5	1	3	1	3	1	3	27	8	27	6	27	5	27	12	6	14	2	8	28	9	27	5	31	2	...	0	...	1	32	2	32	8	32	6	123	5.1
" 27	32	5	32	3	...	0	30	2	22	2	1	2	25	1	24	7	21	11	25	8	22	7	21	9	24	11	25	13	24	11	26	11	28	6	32	9	32	10	2	5	1	5	1	6	1	4			164	6.8
" 28	2	5	2	2	...	0	...	1	3	7	4	5	4	4	7	11	7	19	7	24	7	26	7	26	7	27	7	26	7	25	7	24	7	21	7	21	7	23	7	22	7	23	7	22	7	20	7	24	7	22	411	17.1
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	...	445	...	459	...	431	...	468	...	485	...	511	...	485	...	465	...	484	...	507	...	537	...	520	...	511	...	527	...	515	...	162	...	131	...	127	...	132	...	112	...	115	...	129	...	133	...	116	11261	469.2
Hourly Means	...	15.9	...	16.4	...	15.4	...	16.7	...	17.3	...	18.2	...	17.3	...	16.6	...	17.3	...	18.1	...	19.2	...	18.6	...	18.2	...	18.9	...	18.4	...	16.7	...	15.7	...	15.2	...	15.4	...	14.8	...	14.8	...	15.3	...	16.2	...	15.5	102.2	16.8

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR FEBRUARY, 18

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	4.4	12.4	0.0	0.5	+ 4.4	+ 11.9	E 20° N
2 „	4.1	12.8	0.0	0.3	4.1	12.5	E 18° N
3 „	2.7	12.9	0.0	0.2	2.7	12.7	E 12° N
4 „	2.8	14.0	0.2	0.3	2.6	13.7	E 11° N
5 „	2.7	15.1	0.1	0.1	2.6	15.0	E 10° N
6 „	4.2	15.2	0.0	0.0	4.2	15.2	E 15° N
7 „	2.7	14.9	0.0	0.2	2.7	14.7	E 10° N
8 „	3.2	13.6	0.0	0.5	3.2	13.1	E 14° N
9 „	2.7	14.1	0.0	0.7	2.7	13.7	E 11° N
10 „	2.8	15.0	0.0	0.9	2.8	14.1	E 11° N
11 „	3.8	15.4	0.2	0.9	3.6	14.5	E 14° N
Noon.	2.7	15.2	0.9	0.8	1.8	14.4	E 7° N
1 p.	2.7	14.9	0.9	0.8	1.8	14.1	E 7° N
2 „	3.2	14.5	1.0	1.3	2.2	13.2	E 9° N
3 „	3.0	14.1	0.8	1.2	2.2	12.9	E 10° N
4 „	3.5	12.1	0.9	0.8	2.6	11.3	E 13° N
5 „	2.8	11.4	0.8	1.4	2.0	10.0	E 12° N
6 „	2.8	11.0	1.2	1.2	1.6	9.8	E 9° N
7 „	4.1	10.7	1.0	0.8	3.1	9.9	E 17° N
8 „	3.0	11.4	0.6	0.5	2.4	10.9	E 12° N
9 „	2.8	12.0	0.0	0.6	2.8	11.4	E 14° N
10 „	3.2	12.5	0.4	0.4	2.8	12.1	E 13° N
11 „	3.4	13.0	0.0	0.5	3.4	12.5	E 15° N
Midt.	4.4	11.8	0.0	0.5	+ 4.4	+ 11.3	E 21° N
Mean,.....	3.2	13.3	0.4	0.6	+ 2.9	+ 12.7	E 13° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AT VICTORIA PEAK, AND SEA DISTURBANCE.

Date.	4 a.			10 a.			4 p.			10 p.		
	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Se
1885.												
Feb. 1,.....	...	...	4	NE	4	4	NNE	1	4	N	4	
„ 2,.....	...	...	4	E	4	4	NW	3	3	NNW	1	
„ 3,.....	...	...	4	E	4	5	E	5	4	E	5	
„ 4,.....	...	...	5	ESE	4	5	SW	3	4	SW	3	
„ 5,.....	...	...	4	SE	4	4	SE	4	4	SSE	5	
„ 6,.....	...	...	4	SE	6	4	SW	6	3	S	6	
„ 7,.....	...	...	1	E	3	2	E	2	1	E	3	
„ 8,.....	...	...	6	E	6	6	E	5	6	E	4	
„ 9,.....	...	...	3	E	4	4	E	4	5	E	5	
„ 10,.....	...	...	6	E	6	6	E	5	6	E	5	
„ 11,.....	...	...	5	E	5	5	SE	4	5	SE	4	
„ 12,.....	...	...	5	E	6	5	E	5	5	E	3	
„ 13,.....	...	...	5	E	4	5	NW	4	4	NE	4	
„ 14,.....	...	...	3	NE	4	3	N	3	3	N	4	
„ 15,.....	...	...	6	E	6	6	E	5	6	E	5	
„ 16,.....	...	...	5	SE	5	5	E	4	3	NE	3	
„ 17,.....	...	...	3	NW	4	3	N	4	4	N	4	
„ 18,.....	...	...	3	ENE	4	3	ENE	4	4	NNE	4	
„ 19,.....	...	...	6	E	6	6	E	6	6	E	6	
„ 20,.....	...	...	6	E	5	6	E	6	6	E	6	
„ 21,.....	...	...	4	N	5	3	N	3	2	N	4	
„ 22,.....	...	...	4	E	4	4	E	5	5	E	6	
„ 23,.....	...	...	5	N	4	5	N	4	3	N	4	
„ 24,.....	...	...	3	NE	4	4	NE	4	4	N	4	
„ 25,.....	...	...	4	N	4	4	NE	4	4	ENE	5	
„ 26,.....	...	...	4	E	5	4	E	4	4	N	4	
„ 27,.....	...	...	3	N	4	3	NW	4	2	N	4	
„ 28,.....	...	...	4	E	5	4	E	5	4	E	5	
.....	...	...	...	...	...	...	...	...	...	...	...	
.....	...	...	...	...	...	...	...	...	...	...	...	
.....	...	...	...	...	...	...	...	...	...	...	...	
Mean,.....	...	...	4.3	E 11° N	4.6	4.4	E 18° N	4.2	4.1	E 26° N	4.4	

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1885.	ins.	ins.	ins.	°	°	°	°	°	°	°
Feb. 1,.....	28.445	28.426	28.403	49.8	50.0	49.2	121.0	53.7	42.4	45.5
" 2,.....	28.438	28.392	28.394	47.8	51.0	47.2	116.0	52.0	43.0	44.5
" 3,.....	28.371	28.265	28.256	48.4	48.8	47.2	101.0	48.8	44.0	43.5
" 4,.....	28.210	28.146	28.169	50.8	51.8	51.8	115.0	52.7	45.0	47.5
" 5,.....	28.193	28.112	28.099	52.8	55.8	57.8	103.0	57.8	50.8	54.5
" 6,.....	28.108	28.016	28.016	60.0	62.0	61.8	75.0	62.7	57.8	57.5
" 7,.....	28.138	28.075	28.067	58.2	59.8	58.0	121.0	67.8	55.0	54.5
" 8,.....	28.144	28.085	28.089	51.8	51.0	50.4	86.0	58.0	50.0	49.5
" 9,.....	28.167	28.161	28.114	48.0	46.8	44.8	65.0	50.4	44.0	45.5
" 10,.....	28.163	28.077	28.112	45.8	47.4	48.4	81.0	50.5	44.8	43.5
" 11,.....	28.156	28.110	28.115	51.8	52.8	52.2	85.0	52.8	48.0	49.5
" 12,.....	28.256	28.193	28.213	47.8	48.4	49.8	106.0	52.2	46.0	46.5
" 13,.....	28.269	28.231	28.280	49.8	50.8	46.8	101.0	54.5	46.8	43.5
" 14,.....	28.310	28.262	28.259	48.0	49.2	48.2	85.0	49.8	45.0	45.5
" 15,.....	28.268	28.182	28.198	45.8	45.4	44.8	74.0	50.7	44.0	48.5
" 16,.....	28.170	28.116	28.135	49.8	48.8	46.8	72.2	52.9	44.8	42.7
" 17,.....	28.226	28.180	28.176	42.8	44.0	43.0	62.0	46.8	42.0	41.5
" 18,.....	28.337	28.285	28.265	43.6	44.4	43.6	68.0	44.7	42.0	41.5
" 19,.....	28.331	28.241	28.236	43.8	44.8	44.8	76.0	45.7	42.0	42.5
" 20,.....	28.267	28.206	28.187	47.0	48.0	46.6	97.0	48.0	44.8	42.9
" 21,.....	28.192	28.130	28.124	47.8	51.4	48.2	82.0	51.4	46.6	43.5
" 22,.....	28.235	28.199	28.196	47.6	48.2	47.8	105.0	50.7	47.0	43.5
" 23,.....	28.196	28.158	28.181	47.8	46.8	45.8	75.0	49.7	45.8	42.5
" 24,.....	28.312	28.247	28.256	42.6	41.8	40.8	66.0	45.8	40.8	41.5
" 25,.....	28.301	28.234	28.257	40.8	41.4	40.8	63.0	41.7	39.0	38.5
" 26,.....	28.301	28.228	28.242	43.8	44.8	44.8	77.0	45.8	40.0	40.5
" 27,.....	28.317	28.232	28.234	44.8	45.8	45.0	90.0	46.8	43.0	43.5
" 28,.....	28.288	28.241	28.250	46.8	47.0	45.8	97.0	49.7	44.0	43.5
.....	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...
Mean,.....	28.253	28.192	28.197	48.1	48.9	47.9	88.0	51.0	45.3	45.1

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND AT VICTORIA PEAK.

Date. 1885.	Relative Humidity.						Tension of Aqueous Vapour.					
	Observatory.			Victoria Peak.			Observatory.			Victoria Peak.		
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.
Feb. 1,.....	70	65	76	82	84	87	0.330	0.317	0.333	0.297	0.304	0.304
" 2,.....	66	64	62	77	78	82	0.280	0.326	0.274	0.259	0.291	0.267
" 3,.....	72	68	73	88	92	89	0.331	0.332	0.335	0.299	0.318	0.290
" 4,.....	83	86	90	90	99	99	0.379	0.404	0.422	0.334	0.384	0.384
" 5,.....	95	90	89	99	99	99	0.456	0.449	0.451	0.398	0.444	0.477
" 6,.....	91	87	93	99	98	99	0.485	0.619	0.633	0.516	0.548	0.550
" 7,.....	73	77	90	87	88	92	0.475	0.467	0.497	0.425	0.453	0.446
" 8,.....	87	88	86	99	98	97	0.418	0.400	0.369	0.381	0.367	0.355
" 9,.....	82	83	84	92	95	91	0.342	0.345	0.348	0.309	0.304	0.272
" 10,.....	76	85	86	99	98	96	0.326	0.363	0.391	0.307	0.321	0.329
" 11,.....	91	90	87	92	99	97	0.417	0.420	0.416	0.358	0.398	0.379
" 12,.....	87	76	80	99	95	92	0.376	0.357	0.360	0.331	0.321	0.331
" 13,.....	82	85	76	99	99	91	0.395	0.425	0.337	0.357	0.370	0.291
" 14,.....	63	57	68	92	84	83	0.274	0.264	0.285	0.304	0.291	0.280
" 15,.....	75	72	76	99	94	91	0.327	0.313	0.329	0.307	0.288	0.272
" 16,.....	80	93	89	95	99	91	0.367	0.425	0.390	0.341	0.341	0.294
" 17,.....	85	79	81	99	98	98	0.317	0.282	0.302	0.274	0.282	0.271
" 18,.....	76	70	77	94	90	91	0.285	0.277	0.305	0.269	0.263	0.260
" 19,.....	69	72	83	91	91	93	0.280	0.301	0.348	0.262	0.272	0.277
" 20,.....	73	82	84	94	98	94	0.334	0.362	0.369	0.307	0.329	0.302
" 21,.....	92	83	82	99	97	95	0.380	0.405	0.357	0.331	0.368	0.326
" 22,.....	77	76	79	94	96	92	0.340	0.360	0.351	0.309	0.326	0.306
" 23,.....	90	86	84	99	99	99	0.384	0.339	0.315	0.331	0.319	0.307
" 24,.....	87	81	71	99	94	99	0.280	0.273	0.256	0.272	0.251	0.254
" 25,.....	84	87	91	99	99	99	0.270	0.279	0.298	0.254	0.260	0.254
" 26,.....	79	79	88	91	99	91	0.300	0.324	0.345	0.262	0.295	0.272
" 27,.....	80	73	75	99	99	99	0.336	0.328	0.308	0.296	0.307	0.298
" 28,.....	69	58	62	84	69	84	0.313	0.270	0.277	0.271	0.222	0.260
.....	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	80	78	81	94	94	93	0.350	0.358	0.357	0.320	0.330	0.318

TABLE XII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1885.												
Feb. 1, ...	5	sm-cum.	NNW	3	c-cum. / sm-cum.	N	6	cum.	NE	3	c-cum.	N
„ 2, ...	3	sm-cum.	E	0	...	...	3	c-cum.	WSW	1	c-cum.	W
„ 3, ...	10	nim.	E	10	cum-nim.	...	10	cum.	SW	10	cum. / E-cum. / c-cum.	SSW / ESE / ...
„ 4, ...	10	cum-nim.	...	10	cum-nim.	SE	10	cum-nim.	ESE	10	c-cum. / cum-nim.	SSW / E
„ 5, ...	10	nim.	...	10	nim.	...	10	cum-nim.	...	10	nim.	...
„ 6, ...	8	cum. / cum.	SW / E	10	cum.	SW	9	cum. / cum-nim.	SW / E	10	cum-nim.	SSE
„ 7, ...	10	cum-nim.	WSW	2	sm-cum.	WSW	9	cum.	WSW	8	R-cum.	WSW
„ 8, ...	10	cum-nim.	...	10	c. / cum-nim.	W / S	10	cum-nim.	...	10	nim.	E
„ 9, ...	10	cum-nim.	...	10	cum-nim.	SE	10	cum-nim.	E	10	nim.	ENE
„ 10, ...	10	cum-nim.	...	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E
„ 11, ...	10	cum-nim.	...	10	cum-nim.	...	10	cum-nim.	...	10	nim.	E
„ 12, ...	10	cum-nim.	...	10	cum-nim.	E	10	cum-nim.	E	10	cum. / cum-nim.	S / E
„ 13, ...	10	cum-nim.	...	10	cum-nim.	E	10	cum-nim.	ENE	10	str. / cum-nim.	W / ENE
„ 14, ...	10	str.	...	10	cum-nim.	N	10	str.	...	10	str.	...
„ 15, ...	10	str.	...	10	str.	...	10	str.	...	10	R-cum.	E
„ 16, ...	10	cum-nim.	...	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E
„ 17, ...	10	cum-nim.	...	10	cum-nim.	NE	10	cum-nim.	...	10	cum-nim.	NE
„ 18, ...	10	str.	...	10	str.	...	10	str.	...	10	str.	...
„ 19, ...	10	str.	...	10	str.	...	10	str.	...	10	str.	...
„ 20, ...	10	str.	...	10	cum-nim.	E	10	cum.	E	10	R-cum.	E
„ 21, ...	10	cum-nim.	...	10	cum-nim.	ENE	10	nim.	...	10	str. / cum-nim.	NW
„ 22, ...	0	...	...	0	...	...	10	cum.	WSW	10	cum. / E-cum.	SW / E
„ 23, ...	10	cum-nim.	...	10	cum-nim.	E	10	cum-nim.	NE	10	nim.	NNE
„ 24, ...	10	nim.	...	10	nim.	N	10	nim.	...	10	nim.	NNE
„ 25, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	str. / cum-nim.	NE
„ 26, ...	10	nim.	NE	10	nim.	...	10	cum-nim.	...	10	str.	...
„ 27, ...	10	str.	...	10	str.	...	10	str.	...	10	str. / cum.	NE
„ 28, ...	10	str.	W	10	str.	W	10	str.	W	10	str.	W
.....	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean, ...	9.1	...	...	8.7	...	...	9.5	...	...	9.4	...	...

TABLE XII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Daily and Monthly Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1885.													
Feb. 1,.....	10	sm-cum.	N	9	sm-cum. / cum.	N / N	4	sm-cum.	W	9	sm-cum.	WSW	6.1
" 2,.....	8	cum.	NNE	7	c-cum. / sm-cum.	W / WSW	7	sm-cum.	W	9	sm-cum.	W	4.7
" 3,.....	10	cum-nim. / R-cum.	SSE / E	8	sm-cum.	W	10	R-cum.	E	10	sm-cum. / cum.	W / E	9.7
" 4,.....	10	cum. / cum-nim.	SSW / E	10	cum-nim.	E	10	cum-nim.	...	10	nim.	...	10.0
" 5,.....	10	cum-nim.	E	10	cum. / cum-nim.	WSW / E	10	cum. / cum-nim.	WSW / E	10	cum. / cum-nim.	WSW / E	10.0
" 6,.....	10	cum-nim.	SSW	10	cum. / cum-nim.	W / SW	7	cum-nim.	SW	4	cum-nim.	WSW	8.5
" 7,.....	9	R-cum.	WSW	10	R-cum.	N	10	cum-nim.	...	10	cum-nim.	...	8.5
" 8,.....	10	cum-nim.	E	10	nim.	E	10	cum-nim.	...	10	cum-nim.	...	10.0
" 9,.....	10	cum-nim.	NE	10	cum-nim.	ENE	10	cum-nim.	E	10	cum-nim.	E	10.0
" 10,.....	10	cum-nim.	ENE	10	nim.	E	10	cum-nim.	E	10	cum-nim.	E	10.0
" 11,.....	10	nim.	E	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	10.0
" 12,.....	4	cum. / cum.	S / E	10	cum. / R-cum.	E	10	cum-nim.	E	10	cum-nim.	E	9.2
" 13,.....	10	R-cum.	ENE	10	R-cum.	E	10	str.	...	10	str.	...	10.0
" 14,.....	10	str.	...	10	str.	...	10	str.	...	10	str.	...	10.0
" 15,.....	10	cum-nim.	E	10	cum-nim.	E	10	cum.	S	10	cum.	S	10.0
" 16,.....	10	cum-nim.	E	10	nim.	...	10	nim.	...	10	nim.	...	10.0
" 17,.....	10	cum-nim.	NE	10	cum-nim.	NE	10	cum-nim.	...	10	cum-nim.	...	10.0
" 18,.....	10	str.	ENE	10	str.	ENE	10	str.	...	10	str.	...	10.0
" 19,.....	10	cum. / str.	W / ENE	10	R-cum.	E	10	cum.	E	10	cum.	E	10.0
" 20,.....	10	R-cum.	E	10	R-cum.	E	10	cum-nim.	E	10	cum-nim.	E	10.0
" 21,.....	10	str. / cum-nim.	WNW	10	str.	W	6	cum.	WSW	0	...	...	8.2
" 22,.....	10	R-cum.	E	10	str. / R-cum.	E	10	R-cum.	SW	10	R-cum.	SW	7.5
" 23,.....	10	nim.	NNE	10	nim.	N	10	nim.	NNE	10	nim.	NNE	10.0
" 24,.....	10	nim.	NNE	10	str. / cum-nim.	NNE	10	str.	...	10	str.	...	10.0
" 25,.....	10	nim.	NE	10	str. / cum-nim.	NE	10	cum-nim.	...	10	nim.	...	10.0
" 26,.....	10	str. / cum-nim.	ENE	10	str. / cum-nim.	NE	10	nim.	...	10	str.	...	10.0
" 27,.....	10	str. / cum.	NE	10	str.	...	10	str.	...	10	str.	W	10.0
" 28,.....	10	str.	W	10	str.	W	10	str.	W	10	str.	W	10.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	9.7	...	...	9.8	...	...	9.4	...	...	9.4	...	...	9.4

TABLE XIII.

RAINFALL AT DIFFERENT STATIONS.

Date.	Observatory.		Stone Cutters' Island.	Victoria Peak.
	Amount.	Duration.	Amount.	Amount.
1885.	ins.	hrs.	ins.	ins.
Feb. 1,.....	...	...	...	...
„ 2, ...	...	...	...	...
„ 3,.....	0.020	2	...	...
„ 4,.....	0.025	1	0.06	...
„ 5,.....	...	1	...	...
„ 6,.....	0.080	3	0.04	0.12
„ 7,.....	...	3	...	...
„ 8,.....	0.110	5	0.11	0.18
„ 9,.....	0.010	2	...	0.08
„ 10,.....	...	6	...	0.12
„ 11,.....	0.035	6	...	0.15
„ 12,.....	...	...	...	...
„ 13,.....	...	...	...	...
„ 14,.....	...	...	...	...
„ 15,.....	...	...	...	...
„ 16,.....	0.050	10	0.02	0.15
„ 17,.....	...	2	...	...
„ 18,.....	...	...	...	...
„ 19,.....	...	...	...	...
„ 20,.....	0.190	3	0.21	0.23
„ 21,.....	0.025	1	...	...
„ 22,.....	0.115	3	0.09	0.20
„ 23,.....	0.650	18	0.79	0.73
„ 24,.....	1.000	12	0.88	1.65
„ 25,.....	0.390	14	0.34	0.43
„ 26,.....	...	...	...	...
„ 27,.....	...	...	...	...
„ 28,.....	...	...	...	...
.....	...	...	...	...
.....	...	...	...	...
.....	...	...	...	...
Total,.....	2.700	95	2.54	4.04

W. Doberck,
Government Astronomer.

Hongkong Observatory, 4th August, 1885.

HONGKONG OBSERVATORY.

Weather Report for March, 1885.

In the *China Coast Meteorological Register*, based on information transmitted by the Great Northern and the Eastern Extension Telegraph Companies, which was daily published, is given a summary of the atmospheric circumstances in Luzon and along the Coast of China. It also contains information concerning the weather in Nagasaki and Wladivostock.

Fog at sea level was noted on the 1st, the 2nd, the 3rd, the 6th, the 7th, the 19th, the 20th, the 21st, the 23rd, the 24th, and the 26th. At 10 a. on the 3rd and the 21st there was thick haze round the Observatory.

Dew was noted in the evening, on the 2nd, the 3rd, the 4th, the 5th, the 20th, the 21st, the 22nd, the 24th, and the 30th.

Unusual visibility was noted on the 12th, the 13th, and the 16th.

Solar halos were seen on the 20th and the 21st.

Thunder and lightning were observed at 5 a. on the 25th.

Between 11.30 a. and 1.30 p. on the 27th, a moderate thunderstorm passed from WNW towards E. It was nearest at 12.15 p. but not very close. Extraordinary fluctuations are exhibited by the barogram. At 11.52 a. it read: 29.963, at 11.58 a.: 30.031, at 12.08 p.: 29.872, and at 12.14 p.: 29.923. The sudden rise in the height of the barometer is observed in England, but the subsequent great fall is more noticeable here. The steep gradient produced a wind velocity of 30 miles an hour between 11.50 a. and 12.10 p. The wind backed to N at 11.30 a. and veered to E at 12.05 p. Between 11.46 a. and noon, there fell 0.265 inches of rain.—Thunder and lightning were noted the following night.

Faint lightning was seen early in the morning on the 31st.

The Total Distance travelled by, as well as the Duration and average Velocity of Winds from different quarters were as follows:—

Direction.	*Total Distance.* Miles.	*Duration.* Hours.	*Velocity.* Miles per hour.
N	376	49	7.7
NE	881	62	14.2
E	10197	492	20.7
SE	138	22	6.3
S	14	4	3.5
SW	22	6	3.7
W	198	30	6.6
NW	256	35	7.3
Calm	24	44	0.5

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF MARCH, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
March 1, ...	30.079	30.056	30.046	30.040	30.049	30.070	30.104	30.093	30.148	30.157	30.135	30.101	30.077	30.053	30.022	30.011	30.012	30.017	30.031	30.055	30.070	30.070	30.066	30.062	30.068
„ 2, ...	30.040	30.042	30.032	30.028	30.041	30.055	30.079	30.100	30.108	30.120	30.114	30.095	30.063	30.035	30.008	29.996	29.994	29.992	30.004	30.019	30.031	30.031	30.030	30.028	30.045
„ 3, ...	30.009	29.988	29.980	29.975	29.972	29.989	30.003	30.017	30.026	30.033	30.032	30.010	29.987	29.958	29.936	29.917	29.918	29.925	29.926	29.935	29.951	29.953	29.957	29.956	29.973
„ 4, ...	29.946	29.949	29.943	29.947	29.961	29.987	30.003	30.025	30.045	30.052	30.035	30.001	29.972	29.950	29.935	29.927	29.924	29.926	29.940	29.952	29.960	29.967	29.970	29.974	29.970
„ 5, ...	29.972	29.967	29.965	29.961	29.961	29.978	29.984	29.992	30.000	30.012	29.995	29.972	29.943	29.918	29.901	29.895	29.890	29.902	29.909	29.933	29.938	29.952	29.954	29.952	29.952
„ 6, ...	29.936	29.916	29.901	29.894	29.903	29.914	29.932	29.950	29.961	29.960	29.950	29.934	29.911	29.906	29.898	29.908	29.907	29.914	29.922	29.944	29.963	29.970	29.973	29.970	29.931
„ 7, ...	29.951	29.943	29.940	29.949	29.948	29.976	30.002	30.020	30.019	30.042	30.039	30.017	29.979	29.958	29.932	29.928	29.928	29.946	29.962	29.985	29.996	30.001	30.003	30.007	29.978
„ 8, ...	30.002	30.004	30.004	30.025	30.032	30.048	30.058	30.087	30.115	30.127	30.124	30.092	30.077	30.048	30.039	30.049	30.067	30.082	30.096	30.113	30.131	30.129	30.124	30.126	30.075
„ 9, ...	30.100	30.091	30.077	30.065	30.060	30.076	30.096	30.107	30.103	30.106	30.097	30.098	30.077	30.053	30.039	30.031	30.010	30.029	30.009	30.060	30.087	30.101	30.108	30.111	30.075
„ 10, ...	30.097	30.088	30.073	30.060	30.080	30.094	30.108	30.136	30.144	30.153	30.155	30.136	30.110	30.087	30.064	30.061	30.074	30.073	30.090	30.124	30.145	30.150	30.146	30.145	30.108
„ 11, ...	30.123	30.105	30.092	30.097	30.086	30.098	30.124	30.165	30.187	30.205	30.194	30.179	30.170	30.160	30.146	30.151	30.167	30.177	30.195	30.216	30.235	30.238	30.237	30.224	30.165
„ 12, ...	30.206	30.184	30.181	30.170	30.179	30.194	30.216	30.235	30.232	30.244	30.231	30.208	30.179	30.151	30.140	30.153	30.162	30.176	30.191	30.222	30.235	30.231	30.222	30.210	30.198
„ 13, ...	30.199	30.189	30.162	30.166	30.169	30.193	30.199	30.221	30.233	30.235	30.214	30.204	30.178	30.136	30.124	30.121	30.119	30.119	30.123	30.136	30.149	30.153	30.142	30.130	30.167
„ 14, ...	30.119	30.108	30.090	30.081	30.097	30.118	30.143	30.141	30.166	30.147	30.161	30.154	30.122	30.084	30.039	30.032	30.032	30.046	30.054	30.076	30.080	30.075	30.076	30.059	30.096
„ 15, ...	30.041	30.014	29.995	29.962	29.942	29.952	29.955	29.968	29.972	29.993	30.024	30.018	29.985	29.946	29.932	29.952	29.971	29.983	30.004	30.028	30.060	30.072	30.068	30.051	29.995
„ 16, ...	30.047	30.042	30.025	30.017	30.028	30.047	30.072	30.105	30.128	30.133	30.118	30.096	30.086	30.066	30.059	30.060	30.058	30.066	30.079	30.095	30.100	30.109	30.114	30.112	30.078
„ 17, ...	30.090	30.074	30.069	30.049	30.059	30.076	30.086	30.110	30.127	30.123	30.105	30.087	30.062	30.045	30.026	30.020	30.022	30.035	30.040	30.059	30.059	30.072	30.067	30.062	30.068
„ 18, ...	30.063	30.031	30.022	30.021	30.030	30.034	30.054	30.076	30.070	30.091	30.080	30.060	30.031	30.016	29.996	29.992	29.992	30.000	30.014	30.028	30.033	30.039	30.027	30.024	30.034
„ 19, ...	29.994	29.983	29.957	29.941	29.950	29.957	29.974	29.982	29.994	29.992	29.992	29.979	29.960	29.931	29.920	29.914	29.923	29.932	29.941	29.958	29.959	29.959	29.953	29.951	29.958
„ 20, ...	29.942	29.928	29.920	29.914	29.918	29.950	29.968	29.994	30.009	30.017	30.004	29.995	29.970	29.949	29.936	29.925	29.933	29.942	29.974	29.994	30.004	30.013	30.010	29.997	29.967
„ 21, ...	29.979	29.962	29.952	29.945	29.949	29.958	29.985	30.002	30.013	30.007	29.995	29.980	29.946	29.929	29.912	29.907	29.899	29.918	29.938	29.962	29.976	29.981	29.976	29.966	29.960
„ 22, ...	29.949	29.924	29.916	29.911	29.915	29.933	29.942	29.954	29.952	29.943	29.936	29.919	29.889	29.864	29.841	29.836	29.840	29.843	29.853	29.866	29.875	29.881	29.870	29.866	29.897
„ 23, ...	29.845	29.829	29.814	29.809	29.821	29.833	29.843	29.848	29.860	29.854	29.843	29.821	29.791	29.775	29.759	29.760	29.755	29.766	29.781	29.792	29.800	29.810	29.811	29.801	29.809
„ 24, ...	29.792	29.788	29.766	29.762	29.774	29.796	29.806	29.827	29.836	29.838	29.823	29.797	29.773	29.761	† .739	† .739	† .739	29.741	† .770	† .789	† .803	29.821	29.821	29.824	29.789
„ 25, ...	† .823	† .819	† .802	† .804	† .812	† .836	29.856	29.858	29.878	29.900	29.871	29.870	29.844	29.816	29.804	29.795	29.821	29.839	29.844	29.856	29.856	29.869	29.858	29.849	29.841
„ 26, ...	29.838	29.819	29.799	29.798	29.798	29.803	29.814	29.832	29.843	29.885	29.821	29.789	29.760	29.748	29.731	29.726	29.732	29.746	29.762	29.780	29.814	29.818	29.832	29.819	29.794
„ 27, ...	29.819	29.804	29.789	29.793	29.802	29.839	29.867	29.904	29.933	29.949	29.952	30.031	29.889	29.909	29.914	29.940	29.955	29.929	29.982	30.005	30.016	30.016	30.036	30.027	29.921
„ 28, ...	30.017	30.054	29.968	29.973	29.983	29.984	30.027	30.088	30.055	30.035	30.036	29.981	29.948	29.938	29.921	29.926	29.919	29.925	29.930	29.936	29.966	29.973	29.962	29.947	29.979
„ 29, ...	29.988	29.934	29.925	29.911	29.921	29.936	29.953	29.972	29.990	29.991	29.961	29.953	29.907	29.876	29.851	29.869	29.872	29.891	29.904	29.917	29.945	29.955	29.957	29.938	29.928
„ 30, ...	29.936	29.923	29.895	29.900	29.895	29.891	29.905	29.948	29.954	29.962	29.954	29.925	29.895	29.869	29.856	29.848	29.857	29.879	29.891	29.908	29.925	29.928	29.923	29.921	29.908
„ 31, ...	29.906	29.886	29.871	29.868	29.871	29.894	29.922	29.951	29.965	29.960	29.964	29.937	29.918	29.895	29.869	29.875	29.873	29.885	29.917	29.926	29.922	29.939	29.927	29.986	29.912
Hourly Means, ...	29.993	29.982	29.967	29.962	29.968	29.984	30.003	30.023	30.034	30.039	30.031	30.014	29.984	29.962	29.945	29.944	29.947	29.956	29.970	29.989	30.003	30.009	30.007	30.001	29.988

† Approximate.

TABLE II.

TEMPERATURE FOR THE MONTH OF MARCH, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Mar. 1,	55.1	55.0	55.0	55.0	55.0	54.7	54.6	55.1	57.4	58.8	59.9	60.3	61.9	62.9	62.8	62.1	60.5	57.8	56.6	56.0	55.8	55.4	55.1	55.1	57.4	63.2	54.5
„ 2,	54.3	54.5	54.7	54.4	54.3	54.5	54.9	56.4	58.0	59.6	60.7	61.6	64.1	65.2	66.2	67.0	64.5	61.5	59.8	58.7	57.7	57.4	57.5	57.0	58.9	67.0	53.9
„ 3,	56.3	55.9	55.6	55.5	55.3	55.2	55.7	57.1	60.0	63.9	63.9	64.0	66.6	66.1	66.2	66.3	64.4	63.1	62.7	61.9	61.0	60.3	59.2	58.7	60.6	66.9	54.9
„ 4,	58.1	58.5	58.6	57.9	57.1	55.7	55.6	56.4	57.8	61.0	63.0	63.6	65.1	66.1	66.5	66.4	65.2	62.5	60.9	60.8	60.7	61.0	61.1	61.3	60.9	66.8	55.6
„ 5,	61.7	61.7	61.6	61.7	61.9	61.6	62.0	63.3	65.5	66.7	66.0	66.1	68.1	67.2	67.1	65.1	64.1	63.2	62.2	62.4	62.7	61.9	62.7	62.2	63.7	70.1	61.3
„ 6,	62.4	61.9	62.0	61.7	62.1	60.8	61.2	62.2	65.0	67.7	68.8	69.1	68.6	65.8	63.1	61.7	60.8	60.0	59.1	59.2	59.3	59.2	59.1	59.6	62.5	69.4	58.9
„ 7,	59.8	59.1	58.7	58.6	58.2	57.7	58.0	59.3	60.7	62.2	63.0	64.0	66.2	67.1	66.8	66.8	65.2	63.1	61.2	60.7	60.3	60.1	59.8	59.0	61.5	67.2	57.6
„ 8,	59.3	59.0	59.0	56.9	56.8	57.5	57.9	58.6	58.5	58.0	58.5	59.9	60.4	60.7	59.8	60.1	59.7	59.5	58.6	57.7	57.6	57.5	56.8	56.3	58.5	61.0	56.3
„ 9,	55.8	55.5	55.5	55.6	55.7	55.5	55.6	55.7	57.2	58.1	58.4	58.1	57.6	56.8	56.1	56.4	55.5	55.6	55.3	55.1	55.3	55.2	55.1	55.0	56.1	59.0	55.0
„ 10,	54.6	54.0	54.5	54.7	55.4	55.5	55.6	55.6	55.7	55.4	55.5	55.5	55.3	55.3	54.9	54.9	54.5	54.5	54.5	54.6	54.4	54.5	54.3	54.0	54.9	56.2	54.0
„ 11,	53.9	53.7	53.6	53.6	53.5	53.3	53.5	53.6	54.3	55.9	57.5	56.8	58.3	57.0	56.5	55.3	54.2	52.5	52.1	52.5	51.8	51.7	51.5	52.1	54.1	58.4	51.4
„ 12,	50.9	51.4	50.5	50.6	50.4	50.5	50.7	50.7	51.8	52.4	54.4	54.0	52.3	53.0	52.0	51.3	50.8	50.4	49.8	49.6	50.3	50.9	49.9	49.5	51.2	54.6	49.4
„ 13,	49.9	49.4	49.4	48.8	49.3	49.1	49.5	50.6	51.3	52.6	54.0	54.6	54.6	56.9	56.9	57.3	56.6	55.3	54.6	54.4	54.1	54.0	54.1	53.9	53.0	57.6	48.8
„ 14,	53.6	53.1	52.9	52.8	53.1	53.0	53.6	54.7	55.3	56.4	56.7	57.6	57.6	57.4	57.4	56.8	56.5	55.7	55.2	56.2	56.6	56.7	57.0	57.2	55.5	57.9	52.8
„ 15,	56.9	57.1	56.9	57.2	57.6	57.5	57.9	59.0	60.2	61.3	58.4	59.3	59.5	59.9	60.6	58.7	57.9	57.6	57.8	56.9	57.5	57.3	56.9	56.2	58.2	61.5	56.2
„ 16,	55.5	54.1	52.7	52.1	51.2	51.1	51.8	53.1	54.1	55.9	58.0	59.9	61.9	63.1	63.0	61.9	59.7	58.0	57.7	57.6	57.2	57.1	57.3	56.9	56.7	63.2	51.0
„ 17,	56.9	56.2	56.2	56.2	55.8	55.7	55.5	55.8	56.4	56.4	58.0	57.4	57.9	57.6	57.1	56.8	56.7	56.6	56.5	56.6	55.8	56.0	56.0	55.9	56.5	58.3	55.5
„ 18,	55.6	55.1	55.4	55.6	55.9	55.7	56.2	56.7	56.9	57.2	58.1	58.4	59.2	58.8	58.3	58.1	58.6	58.5	58.6	58.7	58.8	58.6	58.6	58.5	57.5	59.5	55.1
„ 19,	58.2	57.7	56.9	56.5	56.8	56.8	57.1	57.6	57.8	58.8	58.5	57.9	58.2	58.9	60.6	60.3	59.7	59.4	59.5	59.5	59.1	59.3	58.6	58.1	58.4	60.7	56.4
„ 20,	57.8	58.2	58.2	58.6	58.7	58.8	59.1	60.4	61.9	62.5	64.5	65.3	67.7	68.5	68.9	69.0	68.2	62.8	61.6	61.1	60.2	59.9	59.7	59.3	62.1	69.2	57.6
„ 21,	59.7	59.4	60.1	59.6	58.2	58.5	59.0	60.9	63.5	65.7	69.8	70.9	71.1	71.5	74.9	71.5	69.4	66.4	65.3	64.2	63.3	63.2	63.6	63.3	64.7	74.9	58.2
„ 22,	63.3	63.0	63.4	62.4	62.9	62.8	63.4	65.9	67.8	69.2	71.2	70.6	72.1	73.6	72.8	72.6	70.0	67.0	67.4	65.5	64.8	64.2	64.1	64.4	66.9	73.6	62.7
„ 23,	64.9	65.4	65.7	66.3	66.5	66.3	66.0	67.8	69.3	70.0	71.2	72.3	71.9	74.1	75.1	74.6	73.8	72.0	71.3	70.9	70.9	68.8	69.1	69.1	69.7	75.4	64.5
„ 24,	68.8	68.1	69.2	68.3	68.8	68.3	69.5	70.6	72.3	72.5	72.4	74.2	76.5	75.2	76.0	74.8	74.4	70.3	69.4	68.4	67.3	67.8	68.0	68.4	70.8	77.1	67.2
„ 25,	69.4	69.1	68.6	68.8	68.2	67.9	68.0	67.3	68.3	66.3	64.9	66.1	67.0	65.7	63.7	63.6	63.1	62.2	61.9	62.0	62.2	62.4	61.6	61.8	65.4	69.8	61.5
„ 26,	62.2	62.5	62.8	62.4	61.6	61.7	62.0	62.9	63.4	65.7	66.4	68.2	68.5	68.4	68.2	68.1	67.7	66.6	66.0	64.7	64.7	64.9	65.0	65.1	65.0	69.5	61.5
„ 27,	65.5	65.6	65.8	63.1	62.1	61.9	61.3	61.3	61.2	61.3	61.9	59.8	60.3	63.4	63.8	63.5	64.2	61.2	61.0	60.5	59.8	59.4	58.8	58.5	61.9	65.8	58.4
„ 28,	58.0	57.5	56.0	56.5	56.7	57.2	58.4	58.5	56.7	56.8	58.3	59.8	59.8	59.4	58.8	58.6	58.2	58.0	58.4	58.6	58.9	59.4	59.4	59.2	58.2	60.0	56.0
„ 29,	59.6	60.0	60.2	60.3	60.6	60.9	61.8	62.6	64.6	65.8	66.6	67.6	68.5	69.0	69.1	69.8	67.9	67.5	66.9	66.2	66.1	66.0	66.6	66.6	65.0	70.2	59.3
„ 30,	66.4	65.9	65.8	65.6	64.7	63.6	63.8	65.4	68.3	71.6	72.9	73.2	74.5	74.9	75.6	75.7	73.4	71.8	70.1	69.5	68.2	68.3	67.8	67.1	69.3	77.0	63.6
„ 31,	67.0	66.6	67.0	66.4	64.9	64.2	63.9	64.1	64.8	65.7	65.7	66.2	66.2	65.8	65.1	64.2	63.6	62.8	62.5	62.6	62.8	63.2	63.3	62.9	64.6	67.2	62.3
Hourly Means,	59.1	58.8	58.8	58.5	58.4	58.2	58.5	59.3	60.5	61.7	62.5	63.0	63.8	64.0	64.0	63.5	62.5	61.1	60.5	60.1	59.8	59.7	59.6	59.4	60.6	65.4	57.1

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF MARCH, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Sun.	Rad.
Mar. 1,	48.9	49.1	49.0	48.8	49.2	50.0	50.2	50.5	51.9	52.8	53.2	53.7	54.6	55.6	55.3	55.2	54.0	52.5	52.0	51.5	51.7	51.9	52.5	52.0	51.9	123.9	52.1
„ 2,	52.5	52.2	51.6	52.0	52.3	52.0	52.3	53.1	53.9	54.5	56.1	57.0	58.8	59.1	59.5	59.4	58.4	56.4	56.1	54.4	55.8	54.9	54.3	54.5	55.0	119.4	48.6
„ 3,	54.1	54.0	54.1	54.1	53.8	53.6	54.1	55.2	57.1	59.3	59.2	58.9	60.3	59.6	59.7	59.7	58.9	57.9	59.0	58.3	58.1	67.8	57.0	57.6	57.1	123.3	48.6
„ 4,	57.1	57.3	57.8	56.8	55.5	54.9	54.7	55.4	56.1	57.9	58.8	59.0	60.0	60.7	61.0	61.2	60.6	59.3	58.7	58.8	59.0	59.2	59.3	59.6	58.3	126.6	54.1
„ 5,	60.1	60.1	59.9	59.9	60.3	60.0	60.3	61.3	62.7	62.3	61.9	62.0	63.2	62.0	62.1	61.0	60.8	60.8	60.3	60.7	61.2	60.6	61.0	60.9	61.1	125.5	57.5
„ 6,	61.2	60.9	61.0	60.0	60.0	59.2	59.7	60.8	62.3	63.2	63.3	64.1	63.9	61.8	60.1	59.1	58.3	57.4	56.7	56.3	56.4	55.9	56.2	56.5	59.8	127.5	54.6
„ 7,	56.4	56.2	55.9	55.9	55.7	55.1	55.5	56.4	57.3	59.0	58.2	59.0	60.1	60.9	60.8	60.8	60.0	59.0	57.9	57.6	57.5	58.0	57.3	56.9	57.8	120.3	56.1
„ 8,	57.3	57.2	56.9	55.9	55.6	55.9	56.2	56.3	56.0	55.7	55.7	56.3	56.2	56.3	55.9	56.2	56.0	55.6	54.9	54.6	54.6	54.3	53.8	53.7	55.7	118.9	55.5
„ 9,	52.9	52.8	52.8	53.0	52.8	52.3	52.2	51.7	52.2	52.3	52.4	52.3	52.1	52.0	52.1	53.1	53.0	52.9	52.6	52.7	52.8	52.8	52.9	53.3	52.6	116.7	52.4
„ 10,	53.1	53.0	53.2	53.5	53.2	53.1	53.6	53.7	54.1	53.3	53.3	53.2	53.0	52.8	52.6	52.4	52.0	52.1	51.9	52.0	51.9	51.8	51.6	51.2	52.7	71.5	52.2
„ 11,	50.8	50.2	50.2	50.2	49.9	49.7	50.2	50.2	50.7	51.6	53.0	52.5	53.3	52.8	52.7	52.2	51.8	49.8	49.3	49.8	49.4	49.5	49.3	49.8	50.8	98.6	50.8
„ 12,	48.7	49.0	48.1	48.2	48.1	48.3	48.5	48.6	49.3	49.7	50.7	50.1	48.7	49.3	48.4	48.2	47.9	47.2	47.2	47.1	47.7	48.3	48.5	48.2	48.5	77.7	48.0
„ 13,	48.0	47.4	47.4	47.2	47.6	47.8	48.4	49.5	49.4	50.1	51.1	51.1	51.1	53.1	53.3	53.3	53.1	52.3	52.1	51.9	52.1	52.1	52.3	52.1	50.6	111.5	46.8
„ 14,	51.8	51.4	51.2	51.2	51.4	51.3	51.8	52.0	52.3	53.2	53.4	54.1	54.1	54.0	54.4	54.1	54.0	53.8	53.9	54.2	54.8	55.0	54.9	54.7	53.2	96.3	51.5
„ 15,	54.7	54.9	55.2	55.4	55.7	55.5	55.9	56.9	57.7	58.3	57.3	58.2	58.4	58.9	58.9	58.0	56.9	56.5	56.4	55.2	54.9	54.6	53.8	52.7	56.3	94.9	54.5
„ 16,	51.4	51.3	48.9	47.6	47.3	46.9	46.4	48.3	48.9	49.0	52.0	53.9	54.9	55.4	55.0	54.8	53.9	53.4	53.7	54.0	54.1	53.7	51.9	49.1	51.5	119.5	43.5
„ 17,	47.9	47.6	48.3	47.6	49.3	47.1	47.7	48.4	48.3	49.3	51.6	52.0	52.9	51.7	52.2	51.3	51.3	51.2	51.8	52.4	52.3	52.5	52.8	53.0	50.4	96.7	54.5
„ 18,	53.4	53.3	53.9	54.1	54.9	54.7	55.1	55.5	55.7	56.1	56.9	56.9	57.4	57.1	56.7	57.1	57.3	57.2	57.4	57.5	57.5	57.5	57.5	57.5	56.2	75.5	53.1
„ 19,	57.4	56.9	56.2	55.9	56.2	56.4	56.7	56.9	57.1	58.0	57.5	57.0	57.6	58.2	59.4	59.2	59.0	58.8	58.9	59.0	58.7	58.9	58.1	57.9	57.7	85.8	55.5
„ 20,	57.5	57.9	58.0	58.3	58.4	58.7	59.0	60.0	60.9	60.9	62.0	62.0	63.3	63.5	63.5	63.5	63.5	60.4	59.8	59.7	59.0	58.9	58.9	58.5	60.3	126.8	54.6
„ 21,	59.0	58.7	59.3	58.8	57.4	57.8	58.3	60.3	62.2	62.0	63.1	64.5	64.6	64.6	63.1	64.4	63.8	62.9	62.6	62.4	62.1	62.0	62.4	62.2	61.6	131.5	50.7
„ 22,	62.4	62.1	62.4	62.4	61.9	61.9	62.3	64.1	64.9	65.8	66.8	65.8	67.0	68.1	67.3	66.3	65.2	64.4	65.2	64.0	63.2	63.0	63.3	63.5	64.3	131.0	61.1
„ 23,	64.0	64.2	64.3	64.6	65.3	65.2	65.1	66.3	67.2	67.3	68.6	68.6	68.9	70.5	70.5	70.5	70.2	69.2	69.2	68.3	69.2	67.4	68.1	68.3	67.5	120.3	59.5
„ 24,	68.2	67.4	68.4	67.5	67.9	67.2	68.4	69.0	69.1	69.1	69.2	70.0	70.9	69.9	70.7	70.7	70.6	67.8	67.8	67.1	66.5	67.2	67.4	67.7	68.6	136.1	64.7
„ 25,	68.3	68.0	67.9	68.1	67.6	67.3	67.4	66.9	66.8	65.2	63.4	63.8	64.0	62.8	61.7	61.8	61.9	61.0	60.8	60.7	61.1	61.3	60.4	61.0	64.1	120.8	60.5
„ 26,	61.3	61.8	62.1	61.8	61.0	60.9	61.3	62.0	62.4	64.0	64.5	65.6	65.9	66.6	66.7	66.7	66.4	65.8	65.5	63.8	63.8	64.4	64.6	64.8	63.9	116.2	60.3
„ 27,	65.2	65.0	65.5	62.7	61.3	60.8	60.4	60.2	59.9	60.1	60.7	59.1	59.8	61.0	60.2	60.0	61.1	58.6	58.2	58.7	57.8	57.3	56.7	56.1	60.3	111.2	57.7
„ 28,	55.5	55.7	54.2	53.7	54.2	55.8	56.9	56.6	55.6	55.4	55.9	56.9	56.8	56.7	56.6	56.6	56.7	56.6	57.0	57.5	58.2	58.6	58.6	58.6	56.5	99.5	52.9
„ 29,	58.8	59.0	59.2	59.5	59.8	60.1	60.8	61.3	62.5	63.3	63.7	64.8	65.6	65.7	65.7	66.6	65.9	65.9	65.8	65.2	65.4	65.2	65.7	65.8	63.4	125.1	57.8
„ 30,	65.8	65.3	65.4	65.1	64.2	63.2	63.7	64.9	66.9	68.2	68.9	68.8	69.8	70.0	70.4	70.4	69.7	69.4	67.7	67.8	66.6	67.3	66.9	66.5	67.2	132.6	63.4
„ 31,	66.4	66.0	66.3	65.7	64.0	63.3	63.0	62.8	62.8	63.0	63.0	63.3	63.3	62.9	62.7	62.6	62.1	61.9	61.6	61.5	61.7	62.0	62.1	61.9	63.2	105.9	61.3
Hourly Means,	57.1	57.0	56.9	56.6	56.5	56.3	56.6	57.3	57.9	58.4	58.9	59.2	59.7	59.8	59.7	59.6	59.2	58.3	58.1	57.9	57.9	57.9	57.7	57.6	58.0	112.5	54.7

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF MARCH, 1885.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1885.		
1 a	88	0.450	March 1,.....	67	0.316
2 „	89	0.451	„ 2,.....	77	0.382
3 „	89	0.448	„ 3,.....	79	0.422
4 „	89	0.443	„ 4,.....	84	0.454
5 „	89	0.442	„ 5,.....	86	0.505
6 „	89	0.438	„ 6,.....	85	0.480
7 „	89	0.443	„ 7,.....	79	0.431
8 „	88	0.453	„ 8,.....	83	0.408
9 „	84	0.455	„ 9,.....	78	0.352
10 „	81	0.455	„ 10,.....	86	0.370
11 „	80	0.460	„ 11,.....	78	0.330
Noon.	79	0.462	„ 12,.....	81	0.307
1 p	78	0.467	„ 13,.....	84	0.389
2 „	77	0.468	„ 14,.....	85	0.376
3 „	77	0.464	„ 15,.....	89	0.430
4 „	78	0.468	„ 16,.....	68	0.314
5 „	81	0.469	„ 17,.....	62	0.287
6 „	83	0.460	„ 18,.....	92	0.436
7 „	86	0.461	„ 19,.....	96	0.469
8 „	87	0.460	„ 20,.....	90	0.501
9 „	89	0.465	„ 21,.....	83	0.508
10 „	89	0.466	„ 22,.....	86	0.569
11 „	89	0.461	„ 23,.....	89	0.646
Midt.	89	0.461	„ 24,.....	89	0.671
			„ 25,.....	93	0.582
			„ 26,.....	94	0.581
			„ 27,.....	91	0.504
			„ 28,.....	90	0.436
			„ 29,.....	91	0.564
			„ 30,.....	89	0.640
			„ 31,.....	93	0.562
Mean, ...	85	0.457	Mean,.....	84	0.457

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1885.														
Mar. 1,	...	...	0.9	0.4	...	0.6	0.9	1.0	1.0	1.0	1.0	0.5	...	7.3
„ 2,	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.1
„ 3,	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.9
„ 4,	...	...	...	...	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	7.6
„ 5,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.0
„ 6,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	...	...	...	6.8
„ 7,	...	0.4	0.9	0.6	0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	8.5
„ 8,	...	...	...	...	...	0.5	0.1	...	...	...	...	...	...	0.6
„ 9,	...	...	...	0.7	0.7	...	...	...	...	...	...	...	...	1.4
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 11,	...	...	...	...	...	0.1	...	...	...	...	...	...	...	0.1
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 13,	...	...	...	...	...	...	...	...	0.1	...	...	...	...	0.1
„ 14,	...	0.4	0.3	...	...	...	...	...	...	...	...	...	...	0.7
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 16,	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	...	9.8
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 20,	...	...	...	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	8.4
„ 21,	...	...	...	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.7	0.3	...	7.9
„ 22,	...	0.3	0.8	0.8	0.8	...	0.9	0.9	1.0	0.9	1.0	0.5	...	7.9
„ 23,	...	...	0.2	...	0.1	0.2	...	0.1	0.4	0.7	0.6	...	...	2.3
„ 24,	...	...	1.0	0.9	1.0	1.0	1.0	1.0	0.8	1.0	0.4	0.2	...	8.3
„ 25,	...	...	0.1	0.1	...	...	0.1	0.5	...	...	...	...	...	0.8
„ 26,	...	...	...	...	0.4	...	0.2	...	...	...	...	...	...	0.6
„ 27,	...	...	...	...	...	...	...	...	0.3	0.2	...	...	...	0.5
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 29,	...	...	...	...	0.4	0.9	1.0	1.0	1.0	0.9	0.4	...	...	5.6
„ 30,	...	0.2	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.2
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
Sums,.....	...	4.1	9.8	11.5	12.5	13.3	14.2	14.5	13.9	13.6	12.1	4.9	...	124.4
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF MARCH, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.
Mar. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·005	...	...	...	...	...	...	...	0·045
„ 10,	0·035	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·140	0·040	0·180
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.290
„ 13,	0·010	0·010	0·050	0·060	...	0·115	0·035	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	0·260	0·170	0·170	...	...	0·085	0·010	0·015	...	...	...	...	...	...	0·710
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	0·010	...	...	...	...	...	0·035	...	0·005	...	...	...	...	0·005	...	0·055
„ 18,	...	...	...	...	...	...	...	...	...	0·005	...	...	0·005	...	...	0·005	...	0·020	0·005	0·005	...	...	...	...	0·055
„ 19,	...	0·005	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·200
„ 25,	...	...	...	...	0·115	...	...	0·085	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	0·005	0·005	0·010	0·010	0·005	...	0·335	0·035	...	0·005	...	...	0·005	...	...	...	...	...	0·020	0·435
„ 27,	...	...	...	...	...	0·040	0·005	0·005	0·125	0·020	...	...	...	...	0·005	...	...	...	0·005	...	...	...	0·005	...	0·465
„ 28,	0·010	0·150	0·090	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	0·005	...	...	...	...	...	0·005	0·015
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·055	0·175	0·140	0·060	0·120	0·165	0·045	0·110	0·135	0·050	0·260	0·505	0·210	...	0·010	0·135	0·015	0·050	0·010	0·005	...	...	0·150	0·065	2·470

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND, FOR THE MONTH OF MARCH, 1885.

DATE.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Sums.	Means.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
March 1,	7	20	8	27	7	25	7	25	8	26	7	21	7	21	8	24	8	17	8	20	8	23	8	24	8	27	9	25	9	24	9	25	9	24	8	20	8	17	8	15	8	13	8	5	8	6	7	9	483	20.1
" 2,	9	4	7	9	9	17	8	23	9	20	9	23	9	24	8	23	8	25	8	23	9	26	8	22	9	18	9	20	8	16	8	15	8	15	8	12	9	9	8	7	10	2	9	3	7	4	...	0	360	15.0
" 3,	...	0	...	1	7	2	7	2	7	2	7	2	12	2	12	2	...	1	12	2	7	7	7	11	3	10	31	6	31	8	30	6	30	5	30	2	3	3	3	2	3	1	6	10	8	18	113	4.7
" 4,	8	23	9	20	8	25	6	27	8	36	8	38	7	35	7	30	7	25	7	24	7	27	7	25	7	25	7	22	7	20	9	18	9	20	8	18	8	14	9	13	7	13	10	15	9	17	9	9	539	22.5
" 5,	8	5	7	5	7	4	7	5	7	4	7	3	7	3	7	3	7	5	7	7	7	13	7	12	8	6	30	8	30	7	30	10	29	10	29	7	29	6	28	5	28	8	28	2	28	2	...	1	136	5.7
" 6,	...	1	...	1	23	2	20	2	...	0	11	2	10	3	...	1	...	1	10	2	11	3	6	5	8	32	6	30	7	25	7	23	7	21	7	24	7	25	7	30	7	27	7	30	7	27	7	26	343	14.3
" 7,	7	31	8	31	8	35	7	32	7	33	7	35	7	31	7	32	6	29	7	26	8	24	8	21	9	22	9	20	8	20	8	20	8	17	8	15	8	15	7	11	7	11	7	8	7	10	8	18	547	22.8
" 8,	9	23	8	26	8	28	8	35	7	33	7	27	7	31	7	32	7	28	7	32	6	25	7	27	7	24	6	23	7	18	6	14	4	14	5	14	6	18	7	20	6	20	6	25	7	25	6	25	587	24.5
" 9,	7	27	6	27	6	20	7	19	7	22	7	25	7	24	7	27	7	29	7	34	6	33	7	28	7	26	7	20	8	20	9	19	8	25	9	25	8	25	8	25	7	20	7	19	8	16	8	15	570	23.7
" 10,	8	18	9	17	10	14	8	13	7	12	6	11	7	13	7	15	7	20	6	18	7	22	7	21	7	22	7	22	7	25	7	21	7	22	7	28	7	25	7	26	6	27	7	28	7	29	7	29	490	20.4
" 11,	7	29	6	30	7	32	6	27	6	36	6	40	7	35	7	31	7	30	7	26	7	24	7	24	7	22	7	20	6	13	4	14	3	10	1	16	1	14	1	9	1	8	32	6	32	4	2	9	511	21.3
" 12,	32	9	2	7	1	8	2	7	2	7	3	6	4	10	3	11	4	15	4	10	5	11	7	12	32	10	3	8	31	9	32	11	32	16	1	16	1	12	32	12	2	9	6	7	3	3	3	3	229	9.5
" 13,	1	9	1	10	2	10	32	7	1	4	31	3	8	6	9	4	32	2	...	1	...	1	24	4	24	4	22	5	8	8	3	5	10	13	8	13	10	14	8	13	8	16	7	17	7	22	7	27	218	9.1
" 14,	7	26	7	25	7	29	7	26	7	27	7	26	8	28	7	39	6	30	7	29	6	22	6	21	6	23	7	29	7	31	7	27	7	28	6	26	8	23	8	23	9	23	8	23	9	22	8	16	7	27	621	25.9
" 15,	8	29	8	35	8	28	8	29	9	28	9	25	9	28	9	27	9	26	8	27	27	25	28	7	24	7	22	7	24	11	27	22	26	19	25	18	27	18	26	16	30	12	30	11	30	11	30	7	473	19.7
" 16,	31	9	1	4	32	10	31	9	1	5	4	5	1	10	3	14	2	8	30	6	16	7	8	9	10	11	10	19	7	22	8	21	7	22	6	19	7	19	6	23	7	27	7	27	7	27	7	28	361	15.0
" 17,	7	30	7	32	8	31	7	30	7	32	7	33	7	32	7	31	7	31	7	33	7	31	7	32	7	29	7	26	9	25	8	24	8	22	7	23	7	23	7	22	7	22	7	23	8	24	8	20	661	27.5
" 18,	7	15	7	20	9	21	10	15	10	7	7	6	10	12	9	14	9	17	10	14	9	12	9	15	9	8	9	10	8	8	8	4	9	7	9	10	9	15	9	14	8	18	8	19	8	18	8	20	319	13.3
" 19,	8	22	8	26	7	24	7	25	8	23	8	24	8	26	8	27	8	26	9	30	9	25	9	22	9	17	9	8	9	3	...	0	...	0	...	0	...	0	...	0	9	4	5	4	...	1	...	1	338	14.1
" 20,	...	1	23	2	24	2	...	0	...	0	...	1	...	1	...	1	23	7	24	11	24	10	22	12	23	9	24	11	23	11	23	9	25	6	28	8	29	11	29	5	29	3	...	1	...	1	24	2	125	5.2
" 21,	...	0	...	0	...	0	...	0	24	2	24	2	...	0	...	1	24	4	24	4	24	4	4	8	16	8	19	8	19	8	17	8	15	9	11	8	7	3	3	8	8	8	5	7	4	7	6	149	6.2
" 22,	9	11	9	10	9	11	10	7	9	8	8	5	8	4	8	5	8	12	8	14	7	8	28	8	28	4	7	7	9	5	30	6	27	8	26	8	29	3	27	3	27	5	27	4	...	1	...	0	157	6.5
" 23,	19	2	...	0	...	0	...	0	19	2	17	2	...	1	13	3	...	0	...	1	24	3	27	2	29	5	...	1	26	6	23	7	22	2	7	3	10	2	12	3	12	2	21	3	28	2	31	4	56	2.3
" 24,	31	2	31	2	31	2	31	2	31	3	10	3	12	3	10	3	16	3	10	4	10	4	9	5	4	5	26	6	26	6	5	8	6	7	8	6	7	8	6	9	7	13	7	10	7	10	8	12	136	5.7
" 25,	5	8	5	6	8	14	8	12	8	17	8	17	9	14	8	27	10	28	8	22	7	22	8	26	8	35	7	35	9	35	8	26	8	22	8	22	7	24	9	31	8	28	8	26	8	30	8	27	554	23.1
" 26,	8	22	8	22	8	21	9	26	9	27	8	26	8	27	7	23	7	20	7	23	8	22	7	20	7	16	7	16	7	16	8	15	7	11	7	11	6	14	8	17	7	15	8	20	7	15	8	21	466	19.4
" 27,	8	21	8	19	9	26	8	33	8	35	9	34	8	37	9	35	8	36	8	25	8	18	7	19	9	23	4	10	1	10	32	11	10	11	6	21	6	15	6	20	7	30	7	32	7	32	6	32	585	24.4
" 28,	7	35	5	23	7	37	7	40	7	32	7	38	6	28	5	28	7	36	6	37	7	32	6	38	6	34	6	33	6	32	6	25	6	23	6	23	6	22	7	22	7	20	8	24	7	27	7	31	715	29.8
" 29,	8	29	8	24	8	27	8	31	8	28	8	27	9	26	8	27	8	23	8	27	8	29	8	29	7	28	7	28	7	24	7	18	8	14	8	16	9	15	9	17	9	14	9	13	10	12	10	9	528	22.0
" 30,	8	7	9	9	9	11	6	7	6	7	7	15	7	18	6	11	6	7	7	8	8	13	8	10	8	11	8	12	7	8	8	14	7	10	4	3	4	2	4	2	...	1	...	1	31	2	28	2	191	8.0
" 31,	16	2	12	4	6	8	7	18	7	26	8	28	7	25	6	24	7	27	7	28	7	25	7	28	7	23	7	25	7	26	7	30	7	28	7	24	7	25	7	27	7	25	6	23	6	22	7	24	545	22.7
Sums,	...	470	...	474	...	524	...	534	...	542	...	553	...	560	...	569	...	565	...	570	...	551	...	543	...	552	...	531	...	511	...	482	...	466	...	457	...	442	...	446	...	441	...	432	...	429	...	462	12106	504.4
Hourly Means,	...	18.2	...	18.3	...	16.9	...	17.2	...	17.5	...	17.8	...	18.1	...	18.4	...	18.2	...	18.4	...	17.8	...	17.5	...	17.8	...	17.1	...	16.5	...	15.5	...	15.0	...	14.7	...	14.3	...	14.4	...	14.2	...	13.9	...	13.8	...	14.9	390.5	16.3

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR MARCH, 18

Hour.	Components (miles per hour).						Direc
	N	E	S	W	+N-S	+E-W	
1 a.	1.1	14.0	0.1	0.0	1.0	14.0	E 4
2 „	2.0	13.9	0.1	0.1	1.9	13.8	E 8
3 „	1.2	15.7	0.2	0.1	1.0	15.6	E 4
4 „	1.2	16.2	0.3	0.0	0.9	16.2	E 3
5 „	1.1	16.6	0.1	0.1	1.0	16.5	E 3
6 „	0.9	17.2	0.1	0.1	0.8	17.1	E 3
7 „	0.9	17.3	0.3	0.1	0.6	17.2	E 2
8 „	1.5	17.6	0.2	0.0	1.3	17.6	E 4
9 „	1.4	17.0	0.4	0.2	1.0	16.8	E 3
10 „	1.0	17.2	0.3	0.5	0.7	16.7	E 2
11 „	1.7	15.6	0.4	1.1	1.3	14.5	E 5
Noon.	1.1	16.0	0.1	1.0	1.0	15.0	E 4
1 p.	1.5	16.1	0.1	0.8	1.4	15.3	E 5
2 „	1·9	15.0	0.4	0.9	1.5	14.1	E 6
3 „	1.7	14.1	0.0	1.1	1.7	13.0	E 7
4 „	3.0	12.4	0.0	1.2	3.0	11.2	E 15
5 „	2.2	12.4	0.3	1.3	1.9	11.1	E 16
6 „	2.7	11.7	0.0	1.2	2.7	10.5	E 14
7 „	2.6	11.7	0.2	0.9	2.4	10.8	E 13
8 „	1.9	12.4	0.1	0.7	1.8	11.7	E 9
9 „	1.6	12.7	0.1	0.4	1.5	12.3	E 7
10 „	1.4	12.6	0.2	0.3	1.2	12.3	E 6
11 „	1.0	12.8	0.1	0.2	0.9	12.6	E 4
Midt.	1.3	13.8	0.1	0.2	1.2	13.6	E 5
Mean,.....	1.6	14.7	0.2	0.5	1.4	14.1	E 6

TABLE IX.

DIRECTION AND FORCE OF THE WIND AT VICTORIA PEAK, AND SEA DISTURBANCE

Date.	4 a.			10 a.			4 p.			10 p.	
	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.
1885.											
March 1,.....	...	...	4	E	4	4	E	2	3	E	3
„ 2,.....	...	...	3	E	4	3	E	2	3	ESE	4
„ 3,.....	...	...	0	E	3	0	SE	2	0	SE	3
„ 4,.....	...	...	5	E	5	5	E	3	4	E	3
„ 5,.....	...	...	0	E	3	0	E	3	1	SW	3
„ 6,.....	...	...	0	E	3	0	ESE	5	4	E	5
„ 7,.....	...	...	5	E	4	5	SE	3	3	E	5
„ 8,.....	...	...	6	E	5	6	E	5	5	E	5
„ 9,.....	...	...	6	E	5	6	E	5	6	E	5
„ 10,.....	...	...	6	E	5	6	E	5	6	E	5
„ 11,.....	...	...	6	E	6	6	E	5	6	E	5
„ 12,.....	...	...	4	ENE	4	4	N	4	4	NE	4
„ 13,.....	...	...	3	ENE	5	3	E	3	3	E	5
„ 14,.....	...	...	6	E	6	6	E	5	5	SE	5
„ 15,.....	...	...	3	SE	5	3	NW	5	0	NW	5
„ 16,.....	...	...	1	N	3	0	E	4	2	E	5
„ 17,.....	...	...	5	E	5	5	ESE	5	5	ESE	5
„ 18,.....	...	...	4	ESE	4	3	E	4	2	ESE	4
„ 19,.....	...	...	2	SE	4	2	S	3	1	NW	4
„ 20,.....	...	...	0	NW	4	0	NE	3	0	NE	3
„ 21,.....	...	...	0	SE	3	0	SE	3	0	SE	3
„ 22,.....	...	...	0	SW	3	0	SW	4	0	SW	4
„ 23,.....	...	...	0	SW	4	0	S	5	0	S	4
„ 24,.....	...	...	0	S	4	0	SW	3	0	SW	4
„ 25,.....	...	...	2	SE	5	3	SE	5	4	SE	5
„ 26,.....	...	...	3	SE	5	3	E	4	2	E	4
„ 27,.....	...	...	3	E	5	3	E	5	4	E	5
„ 28,.....	...	...	6	E	5	6	E	5	6	ESE	5
„ 29,.....	...	...	3	ESE	5	3	SE	4	3	SE	3
„ 30,.....	...	...	0	S	3	0	S	3	0	S	3
„ 31,.....	...	...	2	SE	4	3	SE	4	4	E	5
Mean,.....	...	...	2.8	E 13° S	4.3	2.8	E 16° S	3.9	2.8	E 15° S	4.2

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1885.	ins.	ins.	ins.	°	°	°	°	°	°	°
March 1,.....	28.330	28.244	28.232	49.8	57.8	54.0	122.0	57.8	45.8	45.5
" 2,.....	28.309	28.250	28.261	54.6	60.8	58.8	127.0	60.8	46.0	46.5
" 3,.....	28.274	28.221	28.202	60.8	66.8	60.8	124.0	66.8	46.0	45.5
" 4,.....	28.214	28.168	28.193	53.8	57.8	59.8	116.0	60.8	46.0	50.5
" 5,.....	28.234	28.166	28.193	64.8	66.8	59.8	127.0	66.8	56.0	49.5
" 6,.....	28.202	28.139	28.166	67.8	60.8	53.8	128.0	69.7	52.0	50.5
" 7,.....	28.245	28.171	28.226	54.8	63.8	57.8	123.0	65.7	52.2	50.5
" 8,.....	28.296	28.239	28.246	52.8	51.8	50.8	89.0	57.8	45.0	46.5
" 9,.....	28.275	28.229	28.213	50.8	48.8	46.8	117.0	52.7	46.8	45.5
" 10,.....	28.308	28.250	28.243	48.8	47.8	46.8	70.0	48.8	46.0	46.5
" 11,.....	28.354	28.330	28.315	46.8	46.8	45.8	78.0	48.7	45.0	44.5
" 12,.....	28.388	28.310	28.341	43.8	43.8	43.8	63.0	45.8	42.0	41.5
" 13,.....	28.372	28.314	28.282	44.8	47.8	46.8	85.0	48.7	43.8	45.5
" 14,.....	28.302	28.238	28.210	47.8	48.8	51.8	81.0	55.7	45.8	46.5
" 15,.....	28.213	28.174	28.178	60.0	53.6	51.8	86.0	60.0	51.0	50.5
" 16,.....	28.293	28.266	28.264	48.6	52.6	48.4	114.0	55.6	46.0	44.5
" 17,.....	28.303	28.233	28.248	47.8	49.8	49.4	90.0	53.7	46.0	46.5
" 18,.....	28.278	28.207	28.205	51.2	52.6	54.6	78.0	54.9	49.4	51.5
" 19,.....	28.211	28.153	28.188	57.8	56.2	59.8	77.0	59.8	53.0	55.5
" 20,.....	28.233	28.201	28.225	58.4	64.8	59.8	126.0	65.7	56.0	53.5
" 21,.....	28.243	28.190	28.201	65.8	67.4	60.8	132.0	70.8	59.0	57.5
" 22,.....	28.183	28.116	28.150	64.8	65.8	62.8	136.0	68.7	60.8	62.5
" 23,.....	28.118	28.051	28.077	64.8	65.8	65.2	101.0	66.7	62.8	65.3
" 24,.....	28.099	28.043	28.071	66.0	69.6	65.2	136.0	70.7	65.0	64.5
" 25,.....	28.132	28.040	28.076	64.2	63.2	60.8	126.0	65.7	59.8	57.5
" 26,.....	28.080	28.019	28.022	63.8	65.4	64.8	112.0	65.7	60.8	63.5
" 27,.....	28.170	28.140	28.117	58.8	57.6	56.4	95.0	64.8	55.0	54.5
" 28,.....	28.172	28.126	28.139	54.8	51.8	50.8	91.0	56.4	50.0	50.5
" 29,.....	28.215	28.127	28.195	61.6	63.8	60.8	128.0	65.7	50.8	51.5
" 30,.....	28.199	28.149	28.185	68.8	71.6	65.8	133.0	71.7	60.0	62.5
" 31,.....	28.192	28.119	28.146	61.8	62.8	59.0	120.0	65.8	58.8	58.5
Mean,.....	28.239	28.182	28.194	56.8	58.2	55.9	107.5	60.9	51.7	51.8

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND AT VICTORIA PEAK.

Date. 1885.	Relative Humidity.						Tension of Aqueous Vapour.					
	Observatory.			Victoria Peak.			Observatory.			Victoria Peak.		
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.
March 1,.....	65	61	78	78	54	79	0.321	0.346	0.342	0.281	0.258	0.330
" 2,.....	70	62	84	78	77	76	0.359	0.407	0.399	0.333	0.411	0.379
" 3,.....	75	66	85	72	66	67	0.445	0.426	0.447	0.382	0.438	0.354
" 4,.....	82	72	89	92	93	82	0.441	0.474	0.481	0.386	0.448	0.423
" 5,.....	78	78	93	74	70	82	0.504	0.485	0.513	0.452	0.456	0.423
" 6,.....	77	85	80	75	93	93	0.522	0.468	0.405	0.508	0.500	0.386
" 7,.....	82	69	87	95	78	87	0.458	0.454	0.456	0.406	0.463	0.419
" 8,.....	86	77	80	99	99	85	0.415	0.402	0.381	0.398	0.384	0.319
" 9,.....	65	79	85	79	80	84	0.318	0.361	0.369	0.234	0.275	0.271
" 10,.....	86	84	82	92	92	93	0.380	0.362	0.351	0.318	0.306	0.299
" 11,.....	73	80	85	91	91	91	0.327	0.351	0.326	0.294	0.294	0.283
" 12,.....	82	78	81	99	99	99	0.322	0.297	0.305	0.285	0.285	0.285
" 13,.....	83	75	88	99	99	99	0.330	0.355	0.366	0.295	0.331	0.319
" 14,.....	80	83	89	99	99	86	0.364	0.385	0.412	0.331	0.344	0.332
" 15,.....	82	96	83	98	95	98	0.449	0.474	0.392	0.510	0.394	0.378
" 16,.....	57	61	79	87	75	88	0.257	0.337	0.369	0.297	0.296	0.299
" 17,.....	56	66	78	70	82	95	0.259	0.307	0.350	0.235	0.297	0.336
" 18,.....	93	94	93	99	99	95	0.437	0.455	0.460	0.375	0.395	0.403
" 19,.....	95	93	98	99	99	96	0.473	0.490	0.494	0.477	0.450	0.494
" 20,.....	92	72	94	96	87	77	0.515	0.514	0.486	0.470	0.539	0.395
" 21,.....	80	66	93	65	49	67	0.508	0.511	0.541	0.408	0.329	0.354
" 22,.....	82	70	94	69	79	88	0.589	0.563	0.561	0.420	0.500	0.506
" 23,.....	86	81	93	99	99	99	0.634	0.692	0.654	0.611	0.633	0.620
" 24,.....	83	81	97	95	81	87	0.667	0.697	0.660	0.610	0.586	0.540
" 25,.....	94	90	94	97	97	93	0.608	0.530	0.529	0.585	0.565	0.500
" 26,.....	91	93	97	99	96	99	0.575	0.638	0.599	0.591	0.604	0.611
" 27,.....	93	80	87	93	93	96	0.505	0.473	0.414	0.465	0.445	0.437
" 28,.....	92	88	95	97	99	99	0.422	0.434	0.484	0.417	0.384	0.369
" 29,.....	87	84	96	97	99	93	0.550	0.611	0.612	0.534	0.590	0.500
" 30,.....	83	76	95	85	82	89	0.645	0.674	0.657	0.595	0.630	0.565
" 31,.....	86	91	93	99	94	98	0.541	0.548	0.541	0.550	0.538	0.492
Mean,.....	81	78	89	89	87	89	0.457	0.468	0.464	0.423	0.431	0.407

TABLE XII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1885.												
Mar. 1, ...	10	str.	...	10	str.	...	10	str.	...	10	cum.	WN
„ 2, ...	0	...	...	0	...	...	0	...	...	0	...	
„ 3, ...	0	...	...	1	c-cum.	W	0	...	...	0	...	
„ 4, ...	1	cum.	E	10	sm-cum. / cum.	SE / E	10	cum-nim.	...	8	cum. / R-cum.	
„ 5, ...	10	cum.	SE	10	cum.	SE	9	cum.	SE	0	...	
„ 6, ...	0	...	...	0	...	...	0	...	...	0	...	
„ 7, ...	10	cum.	SE	10	cum.	SE	7	cum.	E	7	cum.	ES
„ 8, ...	0	...	...	10	cum.	E	10	cum-nim.	E	10	nim.	E
„ 9, ...	10	cum-nim.	ESE	10	cum-nim.	ENE	10	str.	...	7	c-cum. / cum.	W / SS
„ 10, ...	10	cum-nim.	...	10	nim.	SE	10	cum-nim.	ENE	10	cum-nim.	
„ 11, ...	10	cum.	...	10	nim.	E	10	str.	SSE	10	str. / cum.	S / E
„ 12, ...	10	cum-nim.	...	10	nim.	...	10	cum-nim.	E	10	R-cum.	EN
„ 13, ...	10	nim.	...	10	nim.	NE	10	nim.	...	10	str. / cum-nim.	EN
„ 14, ...	5	cum.	E	1	cum.	E	9	cum. / cum.	W / E	10	cum-nim.	E
„ 15, ...	10	cum-nim.	...	10	nim.	ENE	10	cum-nim.	S	10	str. / cum-nim.	S
„ 16, ...	2	cum.	W	0	...	...	0	...	...	0	...	
„ 17, ...	9	cum.	WNW	10	str.	E	10	R-cum.	S	10	R-cum.	S
„ 18, ...	10	cum-nim.	...	10	cum-nim.	ESE	10	cum-nim.	...	10	nim.	
„ 19, ...	10	cum-nim.	...	10	nim.	E	10	cum-nim.	...	10	cum. / nim.	S / SS
„ 20, ...	...	fog.	...	...	fog.	...	10	cum-nim.	...	3	cum.	N
„ 21, ...	0	...	...	0	...	...	4	c-cum.	WSW	1	c-cum.	WS
„ 22, ...	3	cum.	SE	1	c-cum.	WNW	5	c-cum. / cum.	W / S	6	sm-cum.	W
„ 23, ...	10	str.	WSW	10	nim.	WSW	10	cum.	WSW	10	R-cum.	WS
„ 24, ...	3	cum.	SSE	...	fog.	...	4	cum.	SSE	5	cum.	SS
„ 25, ...	10	cum.	SSE	10	nim.	E	10	cum-nim.	E	10	nim.	
„ 26, ...	10	cum-nim.	...	...	fog.	...	10	cum-nim.	...	9	cum-nim.	
„ 27, ...	10	str.	...	10	nim.	ENE	10	cum-nim.	...	10	str. / nim.	EN
„ 28, ...	10	cum.	SSE	10	nim.	E	10	cum-nim.	ENE	10	nim.	EN
„ 29, ...	10	cum.	S	8	c. / cum.	W / SE	8	cum.	SE	8	sm-cum. / cum-nim.	W / S
„ 30, ...	10	R-cum.	SSW	10	cum.	S	8	cum.	SE	9	cum.	WS
„ 31, ...	10	sm-cum.	WSW	10	cum.	SW	10	cum-nim.	...	10	cum-nim.	
Mean, ...	7.1	...	...	7.5	...	...	7.9	...	...	7.2	...	

TABLE XII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Daily and Monthly Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1885.													
March 1,.....	4	cum.	WNW	0	...	...	0	...	...	0	...	...	5.5
" 2,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
" 3,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.1
" 4,.....	1	cum.	SE	1	cum.	SSE	0	...	...	1	cum.	SE	4.0
" 5,.....	0	...	...	0	...	...	0	...	...	0	...	...	3.6
" 6,.....	0	...	...	10	str.	...	8	cum.	ESE	7	cum.	SE	3.1
" 7,.....	0	...	...	0	...	...	0	...	...	0	...	...	4.3
" 8,.....	10	cum-nim.	E	10	str. / cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	8.8
" 9,.....	10	str.	S	10	nim.	S	10	cum-nim.	SSW	10	cum-nim.	...	9.6
" 10,.....	10	cum-nim.	...	10	cum-nim.	E	10	cum.	...	10	cum-nim.	...	10.0
" 11,.....	10	str. / cum.	E	10	cum-nim.	E	10	nim.	...	10	cum-nim.	...	10.0
" 12,.....	10	R-cum.	ENE	10	str. / R-cum.	NE	10	cum-nim.	...	10	cum-nim.	...	10.0
" 13,.....	10	str. / cum-nim.	ENE	10	cum. / cum-nim.	W / NNE	10	cum.	W	10	cum-nim.	E	10.0
" 14,.....	10	cum-nim.	E	10	cum. / cum-nim.	E	10	cum-nim.	E	10	nim.	E	8.1
" 15,.....	10	nim.	...	10	cum-nim.	NW	10	cum-nim.	WNW	10	cum.	W	10.0
" 16,.....	0	...	...	0	...	...	10	cum.	W	10	cum.	W	2.8
" 17,.....	10	cum. / R-cum.	W / SE	10	R-cum.	E	10	cum-nim.	E	10	cum-nim.	E	9.9
" 18,.....	10	cum-nim.	ENE	10	nim.	E	10	cum-nim.	...	10	cum-nim.	...	10.0
" 19,.....	10	nim.	...	10	nim.	...	10	nim.	...	3	cum.	W	9.1
" 20,.....	1	c-cum.	WSW	3	c-str.	...	0	...	...	0	...	...	2.8
" 21,.....	2	c-cum.	W	6	c-str. / c-cum.	W / W	10	c-str.	WSW	6	c-str.	WSW	3.6
" 22,.....	9	sm-cum.	W	3	sm-cum.	WSW	0	...	...	0	...	...	3.4
" 23,.....	10	R-cum.	SW	6	R-cum.	SW	10	R-cum.	SSW	9	R-cum.	SSW	9.4
" 24,.....	6	cum.	SSW	7	cum.	SSW	9	cum.	SSW	10	cum.	S	6.3
" 25,.....	10	cum. / cum-nim.	SE / E	10	cum-nim.	E	10	cum-nim.	...	10	cum-nim.	...	10.0
" 26,.....	10	cum-nim.	SSW	10	str. / cum-nim.	SSW	10	cum-nim.	SSW	10	cum-nim.	SSW	9.9
" 27,.....	9	cum. / nim.	W / ENE	10	cum-nim.	NE	10	cum-nim.	ENE	10	cum-nim.	ENE	9.9
" 28,.....	10	cum-nim.	ENE	10	nim.	ENE	10	nim.	E	10	nim.	E	10.0
" 29,.....	3	cum.	ESE	8	cum.	SSE	10	cum.	SE	10	cum. / cum-nim.	SE / ESE	8.1
" 30,.....	1	cum.	WSW	1	c-cum.	W	2	cum.	WSW	1	sm-cum.	WSW	5.3
" 31,.....	10	cum-nim.	...	10	nim.	...	10	nim.	...	10	cum-nim.	...	10.0
Mean,.....	6.3	...	...	6.6	...	...	7.1	...	...	6.7	...	...	7.0

TABLE XIII.

RAINFALL AT DIFFERENT STATIONS.

Date.	Observatory.		Stone Cutters' Island.	Victoria Peak
	Amount.	Duration.	Amount.	Amount.
1885.	ins.	hrs.	ins.	ins.
Mar. 1,	...	...	...	...
" 2,	...	...	...	...
" 3,	...	...	...	...
" 4,	...	...	...	...
" 5,	...	...	...	...
" 6,	...	...	...	...
" 7,	...	2	...	...
" 8,	...	...	...	...
" 9,	0.055	3	0.03	...
" 10,	...	...	...	...
" 11,	...	2	0.32	...
" 12,	0.470	9	...	0.52
" 13,	...	...	...	...
" 14,	...	2	...	...
" 15,	0.710	7	0.71	0.75
" 16,	...	...	...	...
" 17,	0.010	2	0.01	...
" 18,	0.060	10	0.07	0.18
" 19,	0.040	7	0.04	...
" 20,	0.010	...	...	...
" 21,	...	...	...	...
" 22,	...	...	...	...
" 23,	...	...	...	...
" 24,	0.200	2	0.17	...
" 25,	...	...	...	...
" 26,	0.035	5	0.02	0.12
" 27,	0.850	9	0.79	...
" 28,	0.015	6	...	0.15
" 29,	...	...	...	...
" 30,	...	...	...	...
" 31,	0.01_5	4	...	...
Total,	2.470	70	2.16	1.72

W. Doberck,
Government Astronomer.

Hongkong Observatory, 10th August, 1885.

HONGKONG OBSERVATORY.

Weather Report for April, 1885.

In the *China Coast Meteorological Register*, based on information transmitted by the Great Northern and the Eastern Extension Telegraph Companies, which was daily published, is given a summary of the atmospheric circumstances in Luzon and along the Coast of China. It also contains information concerning the weather in Nagasaki and Wladivostock.

Unusual visibility was noted on the 14th.

Dew fell on the 3rd, the 4th, the 5th, the 7th, the 8th, the 12th, the 13th, the 17th, the 26th, the 27th, and the 28th.

Fog occurred on the 12th.

A Solar halo was observed on the 6th.

Faint lightning was seen in the evening on the 4th, the 5th and the 13th.

Distant thunder was heard on the 16th (1 p.-3 p.) and faint thunder and lightning observed on the 17th and during the four following nights.

Between 6 p. and 7.30 p. on the 19th a thunderstorm passed from W round by S. It was nearest about 6.45 p.

At 10 a. on the 20th a heavy thunderstorm approached from W. It was nearest (4*s.*) at 10.55 a. and again at noon and at 12.40 p. The lightning was very vivid and averaged 8 flashes per minute for several minutes about 11 a. Thunder and lightning continued during the following night. Another heavy thunderstorm passing from W to E was nearest (2*s*) at 12 h. 53 m. a. on the 21st. A succession of moderate thunderstorms came from SE between 10.30 a. and 3.30 p. on the 21st. They were nearest (5*s.*) at 11.45 a., 12.15 p., 1.15 p., and 2.45 p.

Faint lightning occurred on the 28th, and faint thunder was heard next day. A heavy thunderstorm passed over from WSW towards ENE between 7 p. and 11 p. on the 29th. It was nearest (1½*s.*) at 9.28 p. The lightning was very vivid and almost constant. About 11.30 p. another thunderstorm approached from SW and continued till 10 a. on the following day. It was nearest (5*s.*) about 1 a.

The Total Distance travelled by, as well as the Duration and average Velocity of Winds from different quarters were as follows:—

Direction.	*Total Distance.* Miles.	*Duration.* Hours.	*Velocity.* Miles per hour.
N	41	6	6.8
NE	798	49	16.3
E	10101	546	18.5
SE	265	25	10.6
S	561	50	11.2
SW	21	4	5.2
W	157	18	8.7
NW	89	17	5.2
Calm	2	5	0.4

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF APRIL, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
April 1, ...	29.933	29.915	29.912	29.898	29.891	29.918	29.933	29.963	29.978	29.980	29.960	29.949	29.919	29.894	29.872	29.862	29.862	29.879	29.890	29.910	29.919	29.927	29.928	29.923	29.917
„ 2, ...	.914	.904	.892	.894	.909	.928	.946	.975	.998	.998	.981	.966	.937	.920	.907	.890	.882	.882	.895	.900	.922	.932	.924	.907	.925
„ 3, ...	.909	.894	.871	.857	.871	.880	.898	.918	.934	.941	.934	.908	.875	.850	.839	.832	.823	.822	.821	.837	.859	.868	.882	.867	.875
„ 4, ...	.853	.834	.820	.821	.827	.842	.851	.876	.885	.885	.885	.880	.854	.826	.820	.804	.803	.810	.812	.834	.867	.879	.868	.861	.846
„ 5, ...	.855	.826	.807	.797	.800	.826	.859	.882	.880	.860	.836	.821	.806	.782	.769	.778	.778	.796	.811	.816	.821	.816	.830	.812	.819
„ 6, ...	.803	.789	.762	.759	.763	.774	.789	.803	.820	.828	.823	.800	.776	.757	.744	.738	.755	.759	.774	.780	.782	.791	.789	.796	.781
„ 7, ...	.782	.769	.748	.748	.751	.776	.799	.827	.839	.841	.835	.822	.801	.788	.783	.786	.792	.810	.825	.854	.869	.881	.883	.875	.812
„ 8, ...	.869	.857	.847	.842	.848	.864	.879	.899	.909	.916	.918	.905	.876	.865	.847	.844	.850	.858	.868	.884	.902	.928	.933	.924	.881
„ 9, ...	.916	.892	.875	.876	.888	.908	.935	.958	.977	.977	.985	.976	.941	.920	.904	.890	.876	.876	.890	.913	.935	.959	.957	.951	.924
„ 10, ...	.920	.908	.889	.891	.912	.930	.950	.976	.982	.986	.986	.952	.927	.895	.888	.875	.875	.875	.887	.905	.905	.908	.893	.879	.916
„ 11, ...	* .863	* .847	.833	.820	.824	.838	.871	.897	.903	.907	.898	.880	.844	.820	.808	.789	.786	.794	.818	.843	.855	.869	.864	.862	.847
„ 12, ...	.852	.837	.834	.827	.834	.854	.863	.880	.887	.887	.889	.871	.839	.815	.794	.794	.792	.799	.818	.848	.876	.891	.880	.868	.847
„ 13, ...	.845	.829	.809	.808	.832	.840	.865	.885	.896	.894	.872	.864	.842	.813	.786	.781	.772	.791	.808	.832	.875	.889	.904	.896	.843
„ 14, ...	.876	.832	.788	.821	.848	.861	.874	.884	.901	.912	.924	.914	.881	.863	.843	.840	.844	.847	.874	.892	.908	.923	.935	.916	.875
„ 15, ...	.900	.899	.883	.878	.885	.889	.908	.919	* .932	.937	.934	.923	.881	.856	.831	.821	.818	.833	.836	.837	.869	.881	.893	.874	.880
„ 16, ...	.865	.843	.822	.809	.792	.810	.830	.855	.869	.880	.869	.863	.814	.802	.740	.742	.706	.737	.749	.788	.809	.809	.805	.782	.808
„ 17, ...	.786	.771	.752	.744	.762	.777	.798	.820	.847	.849	.857	.847	.818	.793	.777	.770	.772	.782	.794	.827	.836	.843	.843	.831	.804
„ 18, ...	.817	.809	.780	.785	.807	.825	.860	.873	.887	.901	.900	.889	.854	.834	.812	.796	.799	.789	.807	.822	.837	.847	.857	.838	.834
„ 19, ...	.817	.785	.798	.788	.782	.781	.791	.797	.823	.818	.827	.805	.775	.752	.741	.750	.748	.753	.772	.778	.788	.792	.797	.783	.785
„ 20, ...	.774	.757	.746	.746	.754	.761	.773	.787	.795	.783	.796	.779	.758	.733	.735	.720	.708	.731	.725	.719	.730	.741	.744	.742	.752
„ 21, ...	.732	.697	.689	.695	.696	.703	.714	.724	.746	.738	.723	.742	.688	.676	.687	.688	.673	.695	.714	.734	.773	.787	.794	.797	.721
„ 22, ...	.796	.773	.776	.781	.794	.802	.830	.866	.870	.870	.874	.880	.846	.845	.835	.824	.811	.832	.862	.875	.894	.900	.900	.880	.842
„ 23, ...	.881	.873	.857	.854	.853	.853	.879	.941	29.960	29.955	29.958	29.943	.926	.894	.893	.884	.899	.901	.916	.952	.969	.975	.984	.976	.916
„ 24, ...	.935	.929	.937	.931	.935	.946	.962	.996	30.007	30.021	30.021	30.013	.985	.956	.931	.920	.926	.937	.965	.975	.984	.994	.996	.978	.967
„ 25, ...	.958	.941	.931	.931	.949	.973	.987	.994	30.005	30.005	29.986	29.965	.942	.906	.887	.864	.859	.866	.876	.895	.906	.916	.910	.895	.931
„ 26, ...	.875	.864	.847	.845	.852	.854	.872	.882	29.890	29.881	.867	.843	.814	.792	.759	.743	.737	.743	.748	.781	.801	.818	.825	.812	.823
„ 27, ...	.802	.787	.764	.750	.752	.768	.797	.813	.832	.832	.823	.814	.784	.764	.742	.738	.732	.740	.757	.781	.798	.821	.799	.778	.782
„ 28, ...	.757	.728	.727	.715	.716	.727	.751	.767	.781	.781	.769	.759	.744	.709	.679	.667	.659	.666	.676	.702	.721	.737	.730	.720	.725
„ 29, ...	.711	.696	.685	.683	.690	.700	.720	.732	.741	.753	.754	.723	.692	.663	.651	.636	.634	.646	.654	.670	.708	.717	.737	.707	.696
„ 30, ...	.687	.663	.665	.660	.675	.707	.744	.777	.791	.796	.791	.767	.758	.739	.737	.737	.734	.749	.792	.814	.839	.846	.850	.843	.757
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	29.843	29.825	29.812	29.808	29.816	29.831	29.851	29.872	29.885	29.887	29.882	29.869	29.840	29.817	29.801	29.793	29.790	29.800	29.814	29.833	29.852	29.863	29.864	29.852	29.838

* Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF APRIL, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Apr. 1,	62.1	61.7	62.1	62.5	62.5	62.8	63.0	64.2	66.6	67.9	68.5	69.1	69.3	69.5	69.7	68.5	67.8	67.1	67.7	68.3	68.0	67.9	68.0	68.1	66.4	70.0	61.7
„ 2,	67.7	67.9	68.0	67.9	67.9	67.7	68.3	65.9	66.0	67.6	67.8	67.7	69.3	69.3	68.2	67.0	66.5	65.6	64.9	64.7	65.5	65.5	64.7	64.2	66.9	69.7	64.2
„ 3,	64.1	64.3	64.5	64.5	65.0	65.0	65.7	66.9	68.0	68.7	69.2	69.5	70.6	70.9	71.9	71.8	71.4	69.5	68.4	68.3	68.6	68.6	68.6	68.6	68.0	72.6	64.0
„ 4,	68.3	67.4	67.4	67.8	67.4	67.0	67.5	68.8	69.6	71.0	71.8	72.5	72.5	73.8	72.3	72.0	71.0	69.7	69.2	69.4	70.2	70.5	70.0	69.6	69.9	73.8	67.0
„ 5,	69.3	69.1	69.6	69.6	70.0	70.0	71.1	71.9	73.3	72.4	72.5	72.9	72.8	74.2	75.1	73.5	71.7	70.5	70.1	69.9	70.0	69.3	70.3	70.8	71.2	75.1	68.8
„ 6,	70.3	70.5	70.4	70.6	72.3	72.9	73.5	74.2	75.6	77.5	78.9	79.6	79.4	78.9	79.4	77.3	75.7	74.9	74.2	73.8	73.6	71.6	71.3	71.5	74.5	80.1	69.1
„ 7,	71.9	70.8	69.6	68.8	68.3	68.3	69.8	70.5	71.7	72.0	72.6	74.5	77.1	75.5	74.9	73.5	73.2	71.1	70.1	70.8	70.8	70.9	71.3	70.8	71.6	77.7	67.9
„ 8,	70.7	70.6	70.1	70.1	69.9	69.8	69.6	70.3	71.5	73.4	74.3	75.9	76.8	75.6	74.3	73.4	72.6	71.9	71.6	71.5	71.3	71.6	71.6	71.5	72.1	76.8	68.5
„ 9,	71.5	71.0	71.0	70.6	70.2	70.6	67.9	67.4	68.0	67.1	66.3	65.6	65.5	65.4	65.5	65.6	65.6	65.7	65.6	65.1	65.2	64.6	64.5	64.3	67.1	71.7	64.3
„ 10,	64.0	63.7	63.6	63.6	63.7	63.8	64.3	64.8	66.0	67.0	67.3	68.0	69.6	69.2	69.6	70.1	68.7	68.4	68.2	68.2	67.4	67.8	67.8	68.1	66.8	70.7	63.6
„ 11,	68.4	68.4	68.4	68.5	69.2	69.3	70.4	71.8	73.1	74.2	74.6	76.1	77.8	77.3	77.8	74.9	73.4	71.5	71.4	71.4	71.3	71.4	71.4	70.7	72.2	77.8	67.3
„ 12,	70.4	70.1	69.6	69.4	69.6	69.6	70.3	71.4	72.5	73.6	75.4	76.4	76.9	76.8	74.9	73.8	73.8	70.6	71.0	70.7	70.7	71.6	71.6	71.6	72.3	77.5	69.0
„ 13,	72.1	71.8	71.5	70.9	70.8	70.8	71.5	72.1	74.6	76.0	76.7	75.3	76.7	77.0	78.4	78.1	76.3	73.5	72.9	72.8	73.0	72.6	72.6	72.6	73.8	79.1	70.0
„ 14,	72.6	71.7	71.1	70.9	70.4	70.1	71.8	72.8	73.8	75.1	75.5	75.9	77.2	78.0	79.2	79.3	77.6	74.1	72.0	70.9	70.2	69.9	69.6	69.7	73.3	80.6	68.7
„ 15,	68.2	68.0	67.4	66.7	66.3	66.2	66.2	66.8	67.5	69.7	70.8	70.4	71.6	71.4	70.9	69.8	68.0	67.3	66.5	65.7	66.7	68.1	67.8	67.4	68.1	71.6	65.4
„ 16,	67.2	67.1	67.3	67.4	67.9	67.9	68.0	68.3	68.9	69.0	70.0	69.8	70.0	71.3	69.5	69.0	69.8	69.3	69.1	69.3	69.5	69.8	72.8	72.6	69.2	72.8	67.1
„ 17,	69.9	69.8	69.9	70.1	70.8	71.0	71.1	73.6	74.7	75.8	77.8	78.7	81.0	78.9	79.7	78.1	77.6	75.7	74.2	73.6	72.8	72.9	71.9	71.6	74.2	82.4	69.4
„ 18,	71.4	71.2	70.7	70.9	69.3	68.6	68.2	68.6	68.1	67.9	67.4	67.8	69.6	68.8	68.2	67.5	66.6	66.3	66.2	66.2	66.3	66.6	66.6	66.6	68.1	72.1	66.2
„ 19,	66.7	66.3	66.4	66.7	67.1	67.0	67.1	66.9	67.5	67.6	68.9	69.9	70.8	71.5	70.5	70.0	68.5	68.3	67.9	68.1	68.5	69.5	69.7	69.7	68.4	71.5	66.1
„ 20,	69.6	69.5	69.4	69.4	69.4	69.6	70.1	70.9	70.9	72.6	70.2	69.6	68.5	69.0	69.5	68.7	69.0	68.7	68.9	69.7	70.0	70.7	71.1	70.9	69.8	72.6	68.1
„ 21,	71.3	71.2	70.8	71.2	69.9	69.9	69.8	70.0	70.1	70.4	69.5	69.3	68.9	68.9	69.0	69.7	70.2	69.8	69.5	69.4	69.6	69.7	68.9	67.7	69.8	71.7	67.7
„ 22,	66.8	65.4	64.8	64.6	64.8	64.8	64.8	65.0	65.0	66.4	65.2	64.9	65.2	65.0	64.7	64.6	64.9	64.9	64.6	64.5	64.9	65.0	64.9	65.0	65.0	67.2	64.0
„ 23,	64.8	64.5	64.5	64.2	64.3	64.0	64.6	65.7	65.3	66.2	65.9	67.3	66.9	66.4	66.8	66.5	66.8	66.6	66.4	66.7	67.2	67.5	67.4	67.1	66.0	67.7	64.0
„ 24,	66.8	66.6	66.5	66.4	66.0	66.1	66.5	67.6	69.3	70.1	71.0	72.1	74.6	76.0	74.1	71.6	69.9	69.8	69.7	69.1	68.8	68.8	68.6	68.4	69.4	76.0	66.0
„ 25,	68.4	68.1	67.8	67.6	67.5	67.3	67.9	69.2	71.0	71.1	71.2	71.7	71.9	73.0	73.1	71.8	71.1	69.3	68.8	68.7	68.6	68.5	68.3	68.2	69.6	73.3	67.0
„ 26,	68.4	68.2	68.1	68.1	68.0	68.2	69.6	71.0	72.0	72.7	74.2	76.4	78.4	78.0	77.2	77.7	76.6	74.6	71.7	71.1	70.4	69.9	69.8	69.6	72.1	79.5	67.3
„ 27,	69.3	69.1	69.0	69.3	69.3	69.5	70.7	72.2	74.7	74.5	76.3	76.5	77.5	79.7	82.7	77.8	76.5	74.6	73.4	72.2	72.4	71.9	71.3	71.1	73.4	82.8	68.3
„ 28,	71.4	71.5	71.7	71.7	71.4	71.8	73.2	74.7	76.4	78.1	80.4	82.3	80.6	81.1	79.8	78.6	77.5	76.1	75.3	75.3	75.2	75.1	75.8	75.6	75.8	82.3	71.4
„ 29,	75.7	75.5	75.4	75.6	75.8	76.2	77.4	78.6	79.1	80.0	79.8	80.1	80.8	83.1	82.9	78.9	78.5	77.6	77.5	77.5	77.5	71.6	71.7	70.9	77.4	83.1	70.9
„ 30,	70.6	70.4	70.3	69.9	70.0	70.4	70.0	69.7	69.2	68.5	68.2	69.4	69.4	70.4	68.6	67.7	67.0	67.0	67.0	66.9	67.2	67.4	67.5	67.5	68.8	71.1	66.6
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	69.0	68.7	68.6	68.5	68.5	68.5	69.0	69.7	70.7	71.5	71.9	72.5	73.2	73.5	73.3	72.2	71.5	70.3	69.8	69.7	69.7	69.6	69.6	69.4	70.4	75.0	67.0

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF APRIL, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Sun.	Rad.
Apr. 1,	61.3	61.0	61.0	61.3	61.2	61.4	62.0	62.7	63.9	64.7	65.4	65.9	66.5	66.9	67.3	67.3	66.5	65.8	66.6	66.9	66.8	66.6	66.9	67.0	64.7	124.7	60.4
„ 2,	66.5	66.8	66.8	66.7	66.6	66.5	66.9	64.6	64.4	64.8	64.4	64.7	65.7	66.1	65.1	64.1	63.8	63.5	63.4	63.4	63.4	63.1	62.7	61.6	64.8	130.8	63.5
„ 3,	62.1	62.5	63.0	63.3	63.8	63.9	64.3	65.1	65.4	65.9	66.0	66.2	67.0	67.4	68.6	69.2	69.2	67.3	67.3	67.3	67.7	67.5	67.8	67.7	66.1	135.3	63.5
„ 4,	67.4	67.0	66.9	67.1	66.9	66.5	67.1	67.7	68.2	69.0	69.9	70.0	70.6	71.7	71.1	70.6	70.2	69.5	69.1	68.9	69.4	69.3	69.1	68.9	68.8	132.9	65.2
„ 5,	68.8	68.5	68.9	68.8	69.1	68.8	68.9	69.9	71.2	70.1	70.4	70.3	70.7	71.5	72.1	71.4	70.3	69.8	69.3	69.2	69.3	68.7	69.7	69.7	69.8	130.7	67.1
„ 6,	69.5	69.4	69.6	69.8	70.6	71.0	71.3	71.5	72.4	73.0	73.8	73.8	73.8	74.1	74.3	72.3	72.1	71.3	70.2	69.8	69.8	70.2	70.4	70.1	71.4	136.5	68.4
„ 7,	70.4	70.0	68.9	68.3	68.0	68.2	69.4	69.5	70.1	70.3	70.6	71.9	73.0	72.4	73.1	72.6	72.1	70.4	69.8	69.9	69.7	69.9	70.4	69.9	70.4	137.8	66.9
„ 8,	69.7	69.5	69.1	69.0	68.8	68.7	69.1	69.9	70.5	71.9	72.3	73.1	73.2	72.5	72.1	71.7	71.3	71.0	70.6	70.2	70.2	70.4	70.5	70.7	70.7	132.4	68.2
„ 9,	71.0	70.5	70.5	70.2	70.0	70.1	66.6	66.9	68.0	66.6	65.8	64.6	64.7	64.1	63.7	63.8	63.6	63.6	64.2	63.9	63.9	63.5	63.3	62.9	66.1	80.3	63.1
„ 10,	62.5	61.8	61.8	61.8	62.1	62.4	62.7	63.0	63.6	64.0	64.2	65.2	66.6	66.6	67.3	68.2	67.3	66.9	66.7	66.9	66.4	66.7	66.7	66.8	64.9	134.6	63.0
„ 11,	67.2	67.2	67.2	67.2	67.5	67.7	68.2	68.8	*69.4	70.0	70.0	71.4	72.4	72.5	72.9	72.4	71.4	70.2	70.0	70.0	70.1	70.3	70.4	70.1	69.8	136.7	66.2
„ 12,	69.7	69.6	69.2	69.3	69.3	69.3	70.0	70.4	71.1	72.6	72.6	73.1	73.5	73.5	73.0	73.1	72.4	70.6	70.5	70.3	70.3	71.0	71.2	71.2	71.1	137.7	68.1
„ 13,	71.4	71.2	70.8	70.2	70.1	70.1	71.1	71.1	72.6	73.3	73.8	72.8	73.8	74.5	75.1	75.0	74.2	72.7	72.0	72.0	71.9	72.1	71.9	71.0	72.8	143.1	69.2
„ 14,	66.2	67.1	66.8	66.5	66.2	66.9	67.1	66.7	67.6	68.6	69.2	69.4	69.4	69.6	70.1	69.8	71.1	70.1	68.6	67.7	67.6	67.0	66.6	66.4	68.0	137.1	63.4
„ 15,	65.4	64.9	64.6	63.4	62.5	62.8	63.3	63.5	63.9	64.8	65.3	65.2	65.7	65.9	65.8	65.2	65.1	64.4	64.7	64.8	64.9	65.0	64.9	64.6	64.6	134.7	65.0
„ 16,	64.6	64.5	64.0	64.4	64.5	64.8	64.9	65.2	65.8	66.1	66.7	66.5	66.8	68.8	68.2	67.7	68.4	68.3	68.2	68.3	68.3	68.7	68.7	69.0	66.8	96.2	66.9
„ 17,	69.4	69.2	69.3	69.5	69.8	69.4	69.2	70.8	71.7	72.5	73.8	74.4	75.5	74.5	74.8	74.5	74.1	73.0	72.1	71.8	71.2	71.6	71.1	71.0	71.8	142.0	68.1
„ 18,	70.9	70.9	70.7	70.9	69.1	67.7	67.0	67.1	67.2	67.3	67.3	67.5	67.9	67.3	67.2	66.8	66.4	66.1	65.9	65.8	65.7	65.7	65.7	65.9	67.5	104.2	65.0
„ 19,	65.9	65.7	65.7	65.7	66.4	66.3	66.4	66.3	66.6	66.9	67.7	68.3	68.8	69.3	69.0	69.0	68.2	67.9	67.8	68.0	68.0	68.5	68.8	68.9	67.5	118.7	65.1
„ 20,	69.0	69.1	69.1	69.1	69.2	69.4	69.7	70.3	70.2	71.3	70.2	69.6	68.5	69.0	69.2	68.1	68.3	68.1	68.0	68.8	69.1	69.8	70.0	69.9	69.3	106.3	67.2
„ 21,	70.9	71.0	70.6	70.8	68.9	69.0	68.9	69.4	69.7	70.1	69.0	68.9	68.8	68.8	68.9	69.6	69.7	69.4	68.7	68.7	68.6	68.6	67.8	66.6	69.2	86.5	67.8
„ 22,	65.8	64.3	63.8	63.5	64.0	63.6	62.7	62.9	63.3	64.0	63.2	63.4	63.3	63.3	63.5	63.8	63.8	63.8	63.6	63.6	63.5	63.0	63.0	63.0	63.6	102.6	63.1
„ 23,	62.8	62.7	62.7	62.3	62.7	62.2	62.2	62.8	62.4	62.7	62.0	62.7	63.6	63.5	64.3	64.9	65.0	64.7	64.5	64.5	64.7	64.6	64.5	64.1	63.5	107.2	63.4
„ 24,	63.8	63.7	63.5	63.2	62.1	62.4	61.8	62.1	63.5	64.8	64.5	65.5	67.0	68.5	68.4	68.3	67.7	66.6	66.4	66.4	66.4	66.5	66.5	66.2	65.2	128.9	65.4
„ 25,	66.0	65.7	65.5	65.1	64.9	64.5	65.2	65.8	65.9	65.6	65.7	66.2	66.4	67.6	68.3	68.1	67.7	66.8	66.3	65.9	66.1	65.9	66.2	66.7	66.2	127.4	64.9
„ 26,	66.8	66.8	66.7	66.9	66.5	66.8	67.1	67.9	68.6	68.9	69.1	70.8	71.8	71.5	69.8	69.7	69.6	70.0	68.6	68.5	68.9	68.4	68.2	68.2	68.6	130.8	65.6
„ 27,	68.4	67.9	67.8	68.0	68.1	68.2	68.9	69.6	70.3	70.3	68.4	69.7	70.6	73.8	73.6	73.4	72.9	71.5	71.2	70.8	70.6	70.5	70.3	70.2	70.2	136.0	63.9
„ 28,	70.7	70.7	70.8	70.8	70.6	71.1	72.0	72.7	73.6	74.0	74.4	75.2	74.5	75.0	74.9	74.7	74.3	73.7	73.5	73.5	73.9	73.7	73.9	74.1	73.2	146.8	69.0
„ 29,	74.3	74.2	74.2	74.3	74.6	74.6	75.1	75.5	75.8	75.4	76.0	76.2	76.3	77.9	77.2	75.4	75.9	75.1	75.3	75.8	75.5	71.6	71.6	70.8	74.9	144.8	69.8
„ 30.	70.2	70.4	69.9	69.5	69.7	70.0	69.5	69.3	68.6	67.7	67.4	68.2	68.3	68.9	67.7	66.6	65.8	65.7	65.6	65.6	65.6	65.6	65.6	65.5	67.8	101.6	65.2
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	67.6	67.5	67.3	67.2	67.1	67.1	67.3	67.6	68.2	68.6	68.6	69.0	69.5	69.9	69.9	69.6	69.3	68.6	68.3	68.2	68.2	68.1	68.1	68.0	68.3	124.8	65.7

* Interpolated.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF APRIL, 1885.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1885.		
1 a	92	0.661	April 1,.....	91	0.590
2 „	94	0.662	„ 2,.....	89	0.586
3 „	93	0.656	„ 3,.....	90	0.618
4 „	93	0.655	„ 4,.....	95	0.691
5 „	92	0.650	„ 5,.....	93	0.711
6 „	92	0.650	„ 6,.....	86	0.729
7 „	91	0.650	„ 7,.....	94	0.729
8 „	90	0.652	„ 8,.....	93	0.734
9 „	88	0.661	„ 9,.....	95	0.629
10 „	85	0.665	„ 10,.....	89	0.591
11 „	84	0.659	„ 11,.....	88	0.698
Noon.	83	0.666	„ 12,.....	94	0.747
1 p	82	0.676	„ 13,.....	93	0.774
2 „	83	0.687	„ 14,.....	75	0.615
3 „	83	0.690	„ 15,.....	82	0.564
4 „	88	0.693	„ 16,.....	87	0.626
5 „	89	0.691	„ 17,.....	88	0.749
6 „	91	0.681	„ 18,.....	97	0.667
7 „	92	0.676	„ 19,.....	95	0.663
8 „	92	0.674	„ 20,.....	97	0.711
9 „	92	0.674	„ 21,.....	97	0.707
10 „	92	0.671	„ 22,.....	92	0.570
11 „	92	0.671	„ 23,.....	87	0.554
Midt.	92	0.670	„ 24,.....	79	0.567
			„ 25,.....	82	0.600
			„ 26,.....	83	0.653
			„ 27,.....	85	0.697
			„ 28,.....	88	0.784
			„ 29,.....	89	0.833
			„ 30,.....	95	0.668
			...	...	...
Mean, ...	89	0.668	Mean,.....	90	0.668

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1885.														
April 1,	...	...	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	7.8
„ 2,	...	...	...	0.5	1.0	1.0	1.0	0.9	0.6	...	...	...	...	5.0
„ 3,	...	...	...	0.1	...	...	0.3	1.0	1.0	0.6	0.9	0.5	...	4.4
„ 4,	...	...	0.2	0.1	0.6	0.2	0.5	0.4	1.0	0.9	0.7	0.3	...	4.9
„ 5,	...	...	...	0.1	0.9	1.0	1.0	0.9	0.8	0.9	0.8	0.2	...	6.6
„ 6,	...	...	0.1	0.2	0.9	0.8	1.0	0.9	0.8	1.0	0.3	...	...	6.0
„ 7,	...	0.1	0.6	0.9	0.9	0.8	1.0	1.0	1.0	1.0	1.0	0.7	...	9.0
„ 8,	...	...	0.2	0.3	0.9	0.3	0.8	0.9	0.9	0.4	0.1	...	...	4.8
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 10,	...	...	...	0.1	0.3	0.2	1.0	0.6	0.3	0.4	0.4	...	...	3.3
„ 11,	...	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.1	...	8.5
„ 12,	...	...	0.3	0.7	0.8	1.0	1.0	0.7	0.9	0.3	0.8	0.6	...	7.1
„ 13,	...	...	...	0.4	0.7	0.4	...	0.2	0.9	1.0	1.0	0.8	...	5.4
„ 14,	...	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.1	...	9.6
„ 15,	...	...	...	...	0.5	0.5	0.3	0.3	...	...	0.1	...	...	1.7
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 17,	...	0.4	1.0	0.7	0.6	0.9	0.8	0.9	0.6	0.2	0.1	0.1	...	6.3
„ 18,	...	...	0.2	...	...	...	...	...	...	...	...	...	...	0.2
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 23,	...	...	0.4	...	...	...	...	...	...	...	...	...	...	0.4
„ 24,	...	...	0.2	0.4	0.1	...	...	0.3	1.0	1.0	1.0	0.6	...	4.6
„ 25,	...	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	...	9.7
„ 26,	...	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0.6	1.0	1.0	1.0	0.2	10.6
„ 27,	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	0.9	0.6	0.2	10.3
„ 28,	...	...	0.4	0.6	0.6	0.6	1.0	0.8	0.8	0.8	0.9	0.1	...	6.6
„ 29,	...	0.6	0.2	...	0.3	0.4	0.4	1.0	...	0.4	...	...	...	4.3
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	...	3.8	8.1	10.6	15.1	14.1	16.1	16.7	17.0	14.9	13.4	6.9	0.4	137.1
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF APRIL, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.
April 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	0·060	0·045	0·110	0·015	...	0·005	...	...	...	...	...	...	...	...	...	0·010	0·005	...	0·250
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	0·090	0·020	0·020	...	...	0·010	...	...	...	...	...	0·140
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	0·005	...	0·005	...	0·020	0·005	...	0·005	0·005	...	0·050
„ 19,	...	...	0·005	0·005	...	...	...	...	0·010	0·040	...	...	...	...	...	...	...	...	0·045	0·120	0·045	...	...	...	0·270
„ 20,	...	...	...	...	...	...	...	...	...	...	2·420	0·980	1·440	0·135	0·005	0·010	0·110	0·080	...	...	...	...	0·020	0·010	5·210
„ 21,	0·230	0·760	0·490	0·060	0·010	...	...	0·360	0·390	0·440	0·090	0·710	0·165	0·085	0·170	0·035	...	...	...	...	...	...	...	0·025	4·020
„ 22,	0·010	...	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·020	0·010	...	...	...	...	0·050
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·015	...	...	...	...	...	...	...	...	0·015
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·200	...	...	...	...	...	0·600	0·640	0·360	0·535	2·335
„ 30,	0·565	0·210	0·090	0·115	0·135	0·280	0·370	0·355	0·290	0·105	0·010	...	...	...	...	...	...	...	...	0·005	0·010	0·005	0·005	...	2·550
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·805	0·970	0·585	0·190	0·145	0·280	0·430	0·760	0·800	0·600	2·520	1·695	1·610	0·310	0·400	0·080	0·115	0·080	0·095	0·140	0·655	0·660	0·395	0·570	14·890

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND, FOR THE MONTH OF APRIL, 1885.

DATE.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Sums.	Means.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
April 1	8	30	8	35	8	31	8	30	8	29	8	24	8	24	8	22	9	20	9	23	8	23	7	24	7	22	7	26	8	25	7	24	7	26	7	12	6	5	6	4	7	8	8	8	8	5	5	5	481	20.0
" 2	8	9	10	5	6	5	6	4	6	3	6	3	8	14	8	26	7	19	7	20	7	29	7	27	8	19	8	18	6	18	7	20	7	26	7	25	6	20	7	21	6	17	7	20	6	23	7	22	413	17.2
" 3	7	20	8	20	8	24	7	24	7	20	7	17	7	19	7	21	7	22	7	22	7	22	7	25	7	20	8	26	8	20	8	18	9	19	8	23	7	18	8	12	7	7	7	9	7	10	7	12	450	18.7
" 4	8	12	8	11	9	11	9	11	8	15	8	15	8	15	8	19	8	22	7	20	7	19	7	21	6	18	7	19	7	21	8	25	8	18	8	17	8	17	9	17	9	11	8	9	8	12	9	15	390	16.3
" 5	8	15	9	13	9	14	12	10	11	11	11	13	13	4	8	5	7	10	7	24	7	21	7	26	7	26	7	21	8	18	9	17	8	14	9	11	8	13	9	14	9	19	8	16	7	10	7	12	357	14.9
" 6	8	11	7	9	8	9	8	8	14	9	15	13	15	10	16	13	15	15	15	18	15	18	15	17	15	14	15	13	15	15	14	21	14	12	12	14	13	16	12	19	12	26	9	20	9	14	6	9	343	14.3
" 7	6	11	6	12	6	13	7	13	7	20	7	13	7	16	8	20	8	22	7	22	8	21	8	16	8	16	8	18	8	19	8	20	8	21	7	16	6	11	6	11	7	14	8	13	7	12	7	14	387	16.1
" 8	8	14	7	12	7	15	7	14	7	16	8	16	6	12	7	13	7	17	7	16	7	17	8	18	8	18	7	21	7	20	7	20	8	21	8	19	8	16	8	19	8	13	7	9	8	10	8	10	376	15.7
" 9	8	9	7	8	7	10	6	7	8	6	9	8	28	13	24	4	7	15	7	24	7	16	7	23	7	22	6	23	6	25	7	23	7	27	7	27	7	26	7	26	7	28	7	34	7	29	7	24	457	19.0
" 10	6	25	7	25	7	28	7	25	7	22	7	20	7	20	6	17	6	23	6	24	7	24	7	24	7	22	7	20	7	17	8	18	8	15	8	11	8	13	7	9	8	14	9	10	9	15	9	13	454	18.9
" 11	10	11	9	11	9	14	7	15	6	10	7	9	6	8	8	10	7	15	9	16	8	21	9	14	9	17	9	22	9	17	9	20	9	17	9	15	8	15	8	13	8	12	6	11	8	18	9	14	345	14.4
" 12	9	12	8	14	8	10	8	10	9	13	8	12	8	9	8	13	9	12	8	11	8	17	8	24	7	23	8	19	8	20	7	17	8	20	8	14	9	10	7	15	7	13	7	5	7	10	8	9	332	13.8
" 13	10	9	9	14	9	15	8	17	8	17	8	13	8	12	8	13	9	10	8	14	8	17	8	18	8	12	8	15	8	13	8	11	8	8	10	4	8	6	9	7	4	3	...	0	29	5	23	10	263	11.0
" 14	25	16	17	4	6	8	26	8	25	4	29	3	19	2	23	6	23	9	25	12	23	14	24	14	24	12	25	10	25	11	28	7	9	25	7	23	6	23	6	24	6	27	7	30	7	28	7	31	351	14.6
" 15	6	31	7	31	7	29	6	30	7	31	7	28	7	29	6	28	6	26	7	31	7	30	6	31	6	29	7	26	7	26	7	31	7	27	7	24	7	27	6	28	6	26	7	24	7	27	7	27	677	28.2
" 16	7	26	7	25	7	25	7	25	7	28	7	25	7	24	7	22	7	20	7	17	7	18	8	16	7	17	11	12	8	31	8	23	8	20	7	12	7	15	7	16	7	13	8	17	8	20	7	14	481	20.0
" 17	7	13	8	18	6	13	9	10	8	9	24	5	29	2	29	2	4	4	6	8	4	4	6	4	30	7	26	5	8	2	14	8	20	4	18	4	7	5	8	4	12	2	1	4	2	3	2	3	143	6.0
" 18	8	4	8	12	8	13	9	17	7	19	7	27	7	23	7	29	7	29	7	28	7	26	6	25	7	27	6	27	7	22	7	26	7	24	7	29	7	26	7	27	7	26	7	29	7	26	7	27	568	23.7
" 19	7	27	7	28	7	24	8	28	7	25	7	25	7	29	7	27	7	22	7	23	7	22	8	24	7	23	8	22	8	21	8	22	7	21	8	25	7	20	7	22	7	17	7	15	8	19	8	20	551	23.0
" 20	8	21	7	21	8	20	8	15	8	20	8	19	7	20	7	18	7	16	8	20	31	16	8	11	8	18	8	18	8	20	8	21	7	22	8	20	6	14	7	17	7	14	5	9	5	6	7	10	406	16.9
" 21	5	9	9	12	15	11	14	9	13	5	4	6	7	18	9	18	8	6	10	9	8	14	32	11	7	12	8	13	7	7	9	7	6	12	6	15	8	14	6	16	4	19	5	21	5	23	7	23	310	12.9
" 22	7	28	6	28	7	26	7	23	7	34	7	33	7	33	7	28	7	33	7	28	7	27	6	20	7	23	6	14	7	15	7	18	7	17	7	16	6	15	6	16	6	19	6	21	6	23	6	25	573	23.9
" 23	6	22	7	21	6	20	7	23	7	25	7	31	7	28	6	20	7	19	7	21	7	22	7	13	10	14	8	23	9	13	8	13	10	11	10	17	9	18	8	17	7	13	7	15	7	17	7	20	456	19.0
" 24	6	20	7	23	6	20	6	22	6	24	6	25	7	26	7	26	6	27	7	24	7	21	8	21	9	13	8	14	8	21	8	25	8	24	9	24	7	18	7	17	7	14	7	13	7	9	7	19	490	20.4
" 25	6	22	6	24	6	23	7	22	7	21	7	21	7	15	7	15	8	22	9	30	9	32	9	29	8	25	8	23	8	22	9	22	10	18	9	18	9	15	7	13	8	15	8	14	8	12	8	12	485	20.2
" 26	9	13	8	11	8	7	9	9	9	5	9	8	8	12	10	11	9	14	8	16	8	14	8	11	8	11	8	8	26	7	28	7	28	6	28	4	30	3	30	5	25	4	28	4	28	2	28	3	198	8.3
" 27	22	2	...	0	...	1	...	1	14	5	7	9	7	10	7	8	7	5	26	7	24	8	26	7	23	6	7	9	15	10	15	10	15	10	14	9	12	3	13	4	...	0	10	5	9	6	8	7	142	5.9
" 28	8	7	9	10	7	7	7	7	8	8	8	10	6	6	6	7	7	9	9	9	15	8	14	13	16	12	16	12	15	11	15	11	15	11	15	10	15	10	15	8	8	4	9	4	12	6	15	10	210	8.7
" 29	15	6	16	10	16	8	16	10	16	5	16	10	16	12	16	11	16	7	18	10	18	15	16	16	16	14	16	11	15	14	17	15	16	10	16	18	17	10	15	8	14	12	14	11	12	7	8	12	265	11.0
" 30	6	16	8	18	7	16	8	21	8	17	9	19	6	18	7	27	7	28	7	33	7	38	6	35	6	31	7	30	7	30	7	34	7	36	7	33	7	33	7	33	7	35	7	34	7	34	7	32	681	28.4
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	...	471	...	485	...	470	...	478	...	476	...	489	...	483	...	502	...	518	...	580	...	596	...	578	...	543	...	541	...	531	...	554	...	536	...	509	...	458	...	462	...	445	...	434	...	441	...	464	12035	501.4
Hourly Means	...	15.7	...	16.2	...	15.7	...	15.9	...	15.9	...	16.0	...	16.1	...	16.7	...	17.3	...	19.3	...	19.9	...	19.3	...	18.1	...	18.0	...	17.7	...	18.5	...	17.9	...	17.0	...	15.3	...	15.4	...	14.8	...	14.5	...	14.7	...	15.5	401.2	16.7

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR APRIL, 1885.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	1.9	14.0	0.5	0.6	+ 1.4	+ 13.4	E 6° N
2 „	0.7	15.4	0.5	0.0	+ 0.2	15.4	E 1° N
3 „	1.2	14.5	0.6	0.0	+ 0.6	14.5	E 2° N
4 „	0.8	14.7	0.8	0.2	+ 0.0	14.5	E
5 „	0.1	14.9	0.9	0.1	— 0.5	14.8	E 2° S
6 „	0.5	14.6	1.1	0.2	— 0.6	14.4	E 2° S
7 „	0.9	14.5	0.9	0.4	0.0	14.1	E
8 „	0.9	15.1	1.0	0.4	— 0.1	14.7	E
9 „	1.0	15.8	0.7	0.3	+ 0.3	15.5	E 1° N
10 „	0.5	17.6	1.0	0.7	— 0.5	16.9	E 2° S
11 „	0.6	17.2	1.3	0.9	— 0.7	16.3	E 2° S
Noon	1.8	16.2	1.5	0.7	+ 0.3	15.5	E 1° N
1 p.	1.2	15.5	1.5	0.6	— 0.3	14.9	E 1° S
2 „	0.8	15.8	1.6	0.5	— 0.8	15.3	E 3° S
3 „	0.6	15.2	1.7	0.6	— 1.1	14.6	E 4° S
4 „	0.3	16.2	2.0	0.3	— 1.7	15.9	E 6° S
5 „	0.3	16.0	1.8	0.2	— 1.5	15.8	E 5° S
6 „	0.3	15.3	1.9	0.1	— 1.6	15.2	E 6° S
7 „	1.1	13.9	1.1	0.0	0.0	13.9	E
8 „	1.3	14.0	1.1	0.1	+ 0.2	13.9	E 1° N
9 „	1.6	13.5	1.0	0.1	+ 0.6	13.4	E 3° N
10 „	1.2	13.5	0.4	0.1	+ 0.8	13.4	E 3° N
11 „	1.5	13.8	0.3	0.2	+ 1.2	13.6	E 5° N
Midt.	0.7	14.4	0.3	0.4	+ 0.4	+ 14.0	E 2° N
Mean	0.9	15.1	1.1	0.3	—0.1	+ 14.7	E

TABLE IX.

DIRECTION AND FORCE OF THE WIND AT VICTORIA PEAK, AND SEA DISTURBANCE.

Date.	4 a.			10 a.			4 p.			10 p.		
	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.
1885.												
April 1	...	...	3	SE	4	2	S	3	2	SSW	3	2
„ 2	...	...	2	E	4	3	ESE	5	3	SE	5	5
„ 3	...	...	4	E	4	4	E	4	3	SE	5	3
„ 4	...	...	2	SE	4	1	SE	5	1	SE	5	1
„ 5	...	...	2	SE	4	2	SE	5	1	SE	5	1
„ 6	...	...	2	S	5	2	S	5	2	S	6	1
„ 7	...	...	2	SSE	5	1	S	5	2	SSE	5	2
„ 8	...	...	1	S	4	2	SSE	4	2	SE	4	1
„ 9	...	...	2	E	5	4	E	5	5	E	6	5
„ 10	...	...	4	ESE	5	4	SE	5	3	SE	4	3
„ 11	...	...	3	SE	3	3	SE	3	3	SSE	3	3
„ 12	...	...	2	E	3	2	E	3	2	ESE	4	0
„ 13	...	...	0	SE	4	0	S	3	0	S	4	0
„ 14	...	...	0	E	3	0	S	3	2	E	6	5
„ 15	...	...	6	E	6	6	E	6	5	E	5	6
„ 16	...	...	5	SE	5	4	SE	6	3	SW	5	3
„ 17	...	...	2	SW	4	3	SW	4	0	SW	3	0
„ 18	...	...	4	E	5	5	E	5	5	E	5	4
„ 19	...	...	4	SE	5	3	SE	5	3	S	4	3
„ 20	...	...	3	SE	4	2	S	3	2	S	3	1
„ 21	...	...	1	S	4	1	ESE	4	1	ESE	5	5
„ 22	...	...	5	E	5	5	E	5	5	E	5	5
„ 23	...	...	5	E	5	5	E	5	5	E	4	4
„ 24	...	...	5	E	5	4	E	4	4	E	4	4
„ 25	...	...	4	E	5	4	E	4	4	E	3	3
„ 26	...	...	2	E	4	3	NE	4	3	NW	4	1
„ 27	...	...	1	S	4	1	S	3	1	S	3	1
„ 28	...	...	0	S	4	0	S	3	0	S	5	1
„ 29	...	...	2	S	5	2	S	5	3	S	5	0
„ 30	...	...	3	E	4	5	E	6	6	E	7	6
„ 31	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	2.7	E 35° S	4.4	2.8	E 38° S	4.3	2.7	E 43° S	4.5	2.6

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1885.	ins.	ins.	ins.	°	°	°	°	°	°	°
April 1,.....	28.190	28.151	28.143	61.8	68.8	65.8	128.0	68.8	59.0	58.5
" 2,.....	28.222	28.167	28.160	61.8	61.8	61.0	130.0	65.8	59.0	59.5
" 3,.....	28.187	28.116	28.095	63.8	66.8	64.4	131.0	66.8	59.0	59.5
" 4,.....	28.165	28.112	28.097	67.8	69.2	66.4	135.4	71.2	59.2	58.7
" 5,.....	28.145	28.072	28.077	68.8	68.4	66.8	132.0	71.5	60.2	59.5
" 6,.....	28.100	28.030	28.069	67.8	68.4	67.6	107.8	70.2	64.8	65.7
" 7,.....	28.126	28.088	28.158	68.4	70.8	69.0	131.6	70.8	66.2	66.1
" 8,.....	28.200	28.150	28.194	69.0	71.0	69.6	137.0	71.9	67.0	64.9
" 9,.....	28.226	28.148	28.176	66.0	62.8	61.8	97.0	70.5	61.2	55.7
" 10,.....	28.229	28.147	28.177	62.6	64.6	63.8	126.0	64.6	60.0	62.5
" 11,.....	28.173	28.090	28.124	65.0	67.0	68.0	135.1	69.3	63.8	63.7
" 12,.....	28.138	28.094	28.101	67.2	71.4	68.4	134.4	72.1	66.1	63.7
" 13,.....	28.173	28.092	28.092	70.0	72.9	69.0	132.6	74.3	66.4	65.5
" 14,.....	28.195	28.126	28.161	68.6	70.6	68.2	133.2	72.5	65.0	57.5
" 15,.....	28.176	28.076	28.095	64.8	65.2	63.0	116.2	68.2	60.2	60.7
" 16,.....	28.123	28.024	28.088	64.6	65.8	67.0	86.6	68.3	62.8	61.6
" 17,.....	28.108	28.074	28.123	69.4	69.8	68.8	130.2	71.3	65.4	63.9
" 18,.....	28.146	28.067	28.095	66.6	66.2	65.0	102.2	69.3	64.0	61.7
" 19,.....	28.084	28.029	28.079	65.0	67.0	68.0	130.8	69.5	64.2	61.5
" 20,.....	28.077	28.020	28.038	68.8	67.4	66.8	116.2	69.8	65.6	64.3
" 21,.....	28.025	27.970	27.978	66.0	65.9	65.0	83.0	67.0	64.4	63.9
" 22,.....	28.098	28.071	28.066	61.9	61.1	60.8	78.6	65.5	60.0	59.7
" 23,.....	28.175	28.127	28.198	60.2	60.0	61.6	93.8	63.1	58.8	56.7
" 24,.....	28.252	28.190	28.192	61.8	66.9	64.4	120.8	69.5	56.4	55.7
" 25,.....	28.231	28.133	28.152	62.8	66.0	64.2	123.2	68.5	59.8	60.7
" 26,.....	28.144	28.069	28.100	67.4	71.0	68.8	130.8	72.5	61.8	61.7
" 27,.....	28.102	28.049	28.054	71.8	70.4	68.8	133.2	75.3	67.2	64.9
" 28,.....	28.077	27.982	28.028	69.8	71.4	71.0	137.4	72.5	68.2	67.7
" 29,.....	28.045	27.950	27.974	71.8	71.9	69.8	103.2	72.5	68.0	64.5
" 30,.....	28.056	27.980	27.987	68.2	65.6	63.8	96.0	69.8	63.4	62.5
.....	...	...	...	...	...	...	...	...	...	...
Mean.....	28.146	28.080	28.102	66.3	67.5	66.2	119.1	69.8	62.9	61.8

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND AT VICTORIA PEAK.

Date. 1885.	Relative Humidity.						Tension of Aqueous Vapour.					
	Observatory.			Victoria Peak.			Observatory.			Victoria Peak.		
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.
April 1,.....	84	94	93	99	86	94	0.570	0.654	0.637	0.550	0.609	0.598
" 2,.....	86	84	87	99	90	92	0.578	0.561	0.547	0.550	0.500	0.498
" 3,.....	86	88	95	95	90	96	0.601	0.680	0.660	0.564	0.593	0.583
" 4,.....	90	93	94	99	83	86	0.683	0.732	0.701	0.678	0.590	0.558
" 5,.....	89	90	97	86	86	89	0.706	0.742	0.695	0.609	0.600	0.586
" 6,.....	80	77	93	99	98	86	0.753	0.727	0.721	0.678	0.685	0.583
" 7,.....	92	95	95	98	92	98	0.720	0.791	0.719	0.685	0.691	0.699
" 3,.....	93	92	94	95	90	94	0.763	0.755	0.729	0.678	0.681	0.685
" 9,.....	97	90	95	95	94	94	0.647	0.570	0.573	0.609	0.538	0.518
" 10,.....	84	90	95	95	95	99	0.558	0.666	0.642	0.540	0.580	0.590
" 11,.....	80	88	95	98	98	98	0.678	0.764	0.728	0.608	0.656	0.675
" 12,.....	86	97	98	91	87	87	0.762	0.807	0.753	0.609	0.669	0.607
" 13,.....	87	86	98	95	82	90	0.785	0.828	0.783	0.702	0.665	0.641
" 14,.....	71	60	85	89	87	92	0.613	0.602	0.624	0.626	0.650	0.637
" 15,.....	75	77	85	94	88	93	0.550	0.562	0.578	0.578	0.546	0.535
" 16,.....	85	93	95	96	99	99	0.604	0.662	0.688	0.587	0.633	0.656
" 17,.....	85	84	94	96	98	97	0.755	0.807	0.758	0.694	0.719	0.687
" 18,.....	97	96	95	96	96	93	0.662	0.649	0.622	0.629	0.621	0.575
" 19,.....	96	95	95	98	98	99	0.651	0.697	0.685	0.608	0.652	0.682
" 20,.....	94	97	95	98	97	96	0.751	0.681	0.718	0.694	0.655	0.634
" 21,.....	98	99	95	98	96	98	0.733	0.724	0.686	0.681	0.611	0.608
" 22,.....	87	96	89	93	98	96	0.565	0.583	0.550	0.517	0.527	0.512
" 23,.....	81	92	85	98	98	89	0.524	0.596	0.572	0.514	0.510	0.490
" 24,.....	74	84	88	87	84	97	0.544	0.649	0.621	0.481	0.558	0.589
" 25,.....	73	82	87	93	88	97	0.558	0.639	0.604	0.531	0.566	0.585
" 26,.....	82	65	92	95	91	89	0.657	0.620	0.676	0.641	0.689	0.630
" 27,.....	80	80	93	88	90	94	0.686	0.765	0.729	0.686	0.674	0.666
" 28,.....	82	82	93	95	94	94	0.786	0.808	0.814	0.689	0.721	0.711
" 29,.....	80	84	100	97	99	95	0.819	0.834	0.776	0.762	0.776	0.689
" 30,.....	96	95	91	93	95	98	0.669	0.640	0.608	0.645	0.602	0.584
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	86	87	93	95	92	94	0.664	0.693	0.673	0.619	0.626	0.610

TABLE XII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Dir
1885.												
April 1, ...	10	cum-nim.	...	9	cum-nim.	...	10	cum-nim.	...	2	cum.	S
„ 2, ...	10	cum-nim.	ESE	10	str.	E	10	cum-nim.	ESE	5	c. / sm-cum. / cum.	
„ 3, ...	10	cum.	E	9	c. / cum.	W / ESE	10	cum-nim.	E	10	cum-nim.	E
„ 4, ...	10	cum.	SSE	10	cum.	SSE	10	cum-nim.	SSE	7	cum. / cum-nim.	
„ 5, ...	7	sm-cum.	SSW	10	cum.	S	10	R-cum.	SSE	7	c-cum. / cum.	
„ 6, ...	7	cum.	SSW	8	cum-nim.	SSW	10	cum-nim.	SE	8	c-str. / c-cum. / cum.	
„ 7, ...	7	cum.	S	1	c-cum.	S	7	cum.	ESE	10	R-cum.	S
„ 8, ...	4	cum.	SSE	0	...	...	9	cum.	...	9	R-cum.	S
„ 9, ...	5	cum.	SW	0	...	...	10	nim.	...	10	nim.	
„ 10, ...	10	str.	...	7	str.	E	10	R-cum.	E	10	R-cum.	
„ 11, ...	10	str.	...	0	...	...	10	R-cum.	E	3	cum.	E
„ 12, ...	10	cum-nim.	ESE	3	cum.	E	9	cum.	E	8	sm-cum. / R-cum.	
„ 13, ...	10	cum-nim.	ESE	9	cum.	E	10	cum-nim.	...	10	c-str. / sm-cum. / R-cum.	
„ 14, ...	1	str.	...	1	cum.	NW	0	...	...	0	...	
„ 15, ...	10	cum-nim.	...	10	nim.	E	10	cum-nim.	...	10	R-cum.	E
„ 16, ...	10	str.	...	9	cum-nim.	ENE	10	cum-nim.	...	10	cum-nim.	
„ 17, ...	10	cum-nim.	...	10	nim.	SE	4	c-cum. / cum.	W / SW	9	cum.	WS
„ 18, ...	6	cum.	W	10	cum-nim.	WSW	9	cum. / cum-nim.	W / E	10	nim.	
„ 19, ...	10	nim.	...	10	nim.	ENE	10	cum-nim.	...	10	nim.	E
„ 20, ...	10	cum.	SSW	10	nim.	S	10	cum-nim.	SSE	10	nim.	SS
„ 21, ...	10	nim.	...	10	nim.	SE	10	cum-nim.	SSE	10	nim.	SS
„ 22, ...	10	cum-nim.	...	10	nim.	E	10	cum-nim.	E	10	R-cum.	E
„ 23, ...	10	cum-nim.	E	10	cum-nim.	E	10	cum. / cum-nim.	E	10	str. / cum-nim.	E
„ 24, ...	10	cum.	...	8	str.	E	5	cum.	ESE	9	R-cum.	E
„ 25, ...	2	cum.	NE	8	str.	E	9	cum. / cum-nim.	E	0	...	
„ 26, ...	2	c-cum.	WSW	0	...	...	3	sm-cum.	WSW	0	...	
„ 27, ...	2	c-cum.	WNW	8	c-cum.	WNW	2	c-cum.	WNW	3	c-cum.	W
„ 28, ...	10	sm-cum. / cum.	WSW / SSE	7	c-cum. / cum.	WSW / SSE	10	cum.	SSE	9	sm-cum. / cum.	W / SS
„ 29, ...	10	sm-cum. / cum-str.	WSW / SSW	5	cum.	SSW	4	sm-cum. / cum.	WSW / SSW	9	R-cum.	SSW
„ 30, ...	10	cum-str.	W	10	nim.	ESE	10	nim.	...	10	nim.	E
.....	...	...	...	...	...	...	...	...	...	...	...	
Mean, ...	8.1	...	...	7.1	...	...	8.4	...	...	7.6	...	

TABLE XII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Daily and Monthly Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1885.													
Jan. 1,.....	1	cum.	...	2	cum.	...	10	cum.	SSE	10	cum.	SSE	6.8
„ 2,.....	7	c-cum. / cum.	WNW / ESE	10	cum-nim.	ESE	10	nim.	...	10	cum-nim.	...	9.0
„ 3,.....	8	c-cum. / cum.	WSW / ESE	10	cum. / cum.	S / ESE	6	sm-cum. / cum.	SE	4	sm-cum. / cum.	SE	8.4
„ 4,.....	6	cum. / cum.	SW / SSE	9	cum. / cum.	SW / S	2	cum.	SW	3	cum.	SW	7.1
„ 5,.....	6	c-cum. / cum.	W / S	9	cum.	SW	3	cum.	SSW	5	cum.	SSW	7.1
„ 6,.....	9	c-str. / R-cum.	W / S	10	str. / R-cum.	S	7	cum.	S	4	cum.	S	7.9
„ 7,.....	7	cum.	SSE	4	cum.	SSE	1	cum.	SSE	1	cum.	SSE	4.8
„ 8,.....	8	cum.	SSW	8	c-cum. / cum.	N / SW	1	cum.	...	2	cum.	...	5.1
„ 9,.....	10	nim.	...	10	cum-nim.	...	10	cum-nim.	...	10	nim.	E	8.1
„ 10,.....	6	cum. / c-cum.	SE / E / W	10	R-cum.	SE	10	cum.	SSE	6	cum.	SSE	8.6
„ 11,.....	7	sm-cum.	SSW	3	c-cum. / c-cum.	WSW / SE / W	9	sm-cum. / cum.	SE	9	cum.	SE	6.4
„ 12,.....	8	cum. / c-str. / c-cum.	SE / W / WSW	6	sm-cum. / cum.	S / Σ	10	str.	...	10	str.	...	8.0
„ 13,.....	9	cum. / sm-cum. / cum.	ESE / WSW / ESE	2	c-cum. / cum.	WSW /	3	cum.	WSW	9	cum.	WSW	7.8
„ 14,.....	2	cum.	N	7	cum.	N	10	nim.	E	10	cum-nim.	E	8.9
„ 15,.....	9	R-cum.	E	9	cum. / cum-nim.	S / ESE	10	nim.	...	10	cum-nim.	...	9.8
„ 16,.....	10	cum-nim.	ESE	10	str. / nim. / cum.	W / ESE / W	10	cum-nim.	W	10	cum-nim.	W	9.9
„ 17,.....	9	cum.	SW	10	cum-nim.	SSW	4	cum.	W	2	cum.	W	7.3
„ 18,.....	10	nim.	E	10	nim.	E	10	nim.	...	10	nim.	...	9.4
„ 19,.....	10	cum-nim.	...	10	cum-nim.	SE	10	nim.	S	10	cum-nim.	SSW	10.0
„ 20,.....	10	nim.	SSW	10	cum. / nim.	WSW / S	10	cum-nim.	SW	10	nim.	SW	10.0
„ 21,.....	10	nim.	...	10	nim.	E	10	nim.	...	10	cum-nim.	...	10.0
„ 22,.....	10	cum-nim.	E	10	nim.	E	10	nim.	E	10	cum-nim.	ENE	10.0
„ 23,.....	10	str.	W	10	str. / nim.	ENE	10	cum-nim.	E	10	cum-nim.	ESE	10.0
„ 24,.....	8	R-cum.	E	1	cum.	...	0	...	...	8	sm-cum.	W	6.1
„ 25,.....	0	...	...	3	sm-cum.	W	0	...	...	0	...	...	2.8
„ 26,.....	3	cum.	NNW	0	...	...	1	c-cum.	W	0	...	...	1.1
„ 27,.....	5	c-cum. / sm-cum.	W / WSW	5	c-cum. / cum.	W / E	0	...	...	4	c-cum. / cum.	W / SSE	3.6
„ 28,.....	9	sm-cum. / cum.	W / SSW	9	sm-cum. / cum.	WSW / S	10	cum.	S	10	R-cum.	SW	9.2
„ 29,.....	10	cum.	SW	10	str. / nim.	SSW	10	cum-str.	SW	10	nim.	...	8.5
„ 30,.....	10	cum-nim.	...	10	cum-nim.	...	10	cum-nim.	...	10	nim.	E	10.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	7.6	...	...	7.6	...	...	6.9	...	...	7.2	...	...	7.6

TABLE XIII.

RAINFALL AT DIFFERENT STATIONS.

Date.	Observatory.		Stone Cutters' Island.	Victoria Pe
	Amount.	Duration.	Amount.	Amount.
1885.	ins.	hrs.	ins.	ins.
April 1,.....	...	...	...	...
" 2,.....	...	2	...	...
" 3,.....	...	...	...	...
" 4,.....	...	...	...	...
" 5,.....	...	...	...	...
" 6,.....	...	...	...	...
" 7,.....	...	...	...	...
" 8,.....	0.230	3	0.05	...
" 9,.....	0.020	5	...	0.19
" 10,.....	...	...	...	...
" 11,.....	...	1	...	...
" 12,.....	...	...	...	...
" 13,.....	...	...	...	...
" 14,.....	...	2	...	...
" 15,.....	...	1	...	...
" 16,.....	0.140	2	0.14	0.35
" 17,.....	...	...	...	...
" 18,.....	0.110	16	0.04	...
" 19,.....	0.210	3	0.20	0.30
" 20,.....	7.950	15	7.98	8.40
" 21,.....	1.300	10	1.28	1.54
" 22,.....	0.030	3	0.07	...
" 23,.....	0.015	1	...	...
" 24,.....	...	...	...	...
" 25,.....	...	...	...	...
" 26,.....	...	...	...	...
" 27,.....	...	...	...	...
" 28,.....	...	...	0.02	...
" 29,.....	4.850	14	3.92	7.46
" 30,.....	0.035	5	0.02	0.28
.....	...	...	...	...
Total,.....	14.890	83	13.72	18.52

W. Doberck,
Government Astronom

Hongkong Observatory, 26th August, 1885.

HONGKONG OBSERVATORY.

Weather Report for May, 1885.

In the *China Coast Meteorological Register*, based on information transmitted by the Great Northern and the Eastern Extension Telegraph Companies, which was daily published, is given a summary of the atmospheric circumstances in Luzon and along the Coast of China. It also contains information concerning the weather in Nagasaki and Wladivostock.

Fog was noted in the evening on the 8th.

Dew fell in the evening on the 4th, the 5th, and the 7th.

Unusual visibility was noted on the 9th, the 23rd, the 27th, the 29th, and the 30th.

A Solar halo was visible throughout the day on the 8th.

A rainbow was seen at 6.30 p. on the 30th.

Thunder and lightning were observed in the evening on the 3rd. Between 11 p. on that date and 3 a. on the 4th a moderate thunderstorm passed round from S through E to N. It was nearest (12 s.) at about 1.30 a.

Thunder and lightning were observed during the night between the 10th and the 11th, and lightning during the night following the 11th, and the 13th. Strong lightning and faint thunder were observed during the nights following the 14th, the 15th and the 16th. Faint lightning was seen in the afternoon on the 20th, and faint thunder and lightning were observed on the 21st. Thunder was heard in the morning on the 29th, the 30th and the 31st.

The Total Distance travelled by, as well as the Duration and average Velocity of Winds from different quarters were as follows:—

Direction.	*Total Distance.* Miles.	*Duration.* Hours.	*Velocity.* Miles per hour.
N	12	3	4.0
NE	525	30	17.5
E	5367	296	18.1
SE	264	30	8.8
S	2858	227	12.6
SW	1330	93	14.3
W	257	30	8.6
NW	129	28	4.6
Calm	6	7	0.9

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF MAY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
May 1, ...	29.826	29.822	29.805	29.791	29.797	29.817	29.834	29.844	29.856	29.874	29.874	29.874	29.849	29.845	29.828	29.807	29.800	29.805	29.827	29.854	29.858	29.896	29.901	29.899	29.841
„ 2, ...	.882	.858	.847	.845	.847	.862	.879	.898	.899	.898	.904	.890	.890	.875	.847	.843	.838	.840	.858	.880	.899	.906	.907	.901	.875
„ 3, ...	.900	.888	.865	.869	.876	.900	.904	.917	.945	.945	.940	.932	.912	.895	.873	.852	.847	.854	.877	.890	.910	.934	.933	.926	.899
„ 4, ...	.926	.926	.885	.865	.890	.907	.928	.946	.953	.949	.962	.941	.931	.911	.883	.866	.864	.879	.891	.907	.916	.924	.924	.920	.912
„ 5, ...	.898	.880	.870	.868	.880	.896	.917	.939	.942	.944	.946	.927	.908	.891	.876	.858	.849	.852	.859	.876	.890	.910	.913	.909	.896
„ 6, ...	.889	.883	.883	.885	.892	.900	.934	.946	.956	.946	.944	.926	.905	.886	.860	.847	.847	.857	.870	.886	.913	.929	.928	.912	.901
„ 7, ...	.898	.885	.875	.870	.873	.879	.896	.909	.919	.926	.932	.926	.886	.869	.854	.841	.834	.839	.848	.870	.886	.902	.885	.870	.882
„ 8, ...	.856	.855	.857	.855	.861	.872	.897	.897	.905	.904	.900	.889	.864	.834	.820	.811	.814	.815	.821	.833	.850	.849	.853	.840	.856
„ 9, ...	.817	.803	.780	.781	.796	.815	.834	.846	.852	.850	.837	.819	.783	.757	.738	.730	.748	.765	.764	.753	.762	.775	.776	.757	.789
„ 10, ...	.753	.739	.736	.744	.746	.761	.773	.785	.796	.795	.780	.761	.738	.705	.684	.664	.661	.678	.678	.679	.695	.731	.742	.703	.730
„ 11, ...	.676	.665	.653	.652	.653	.661	.683	.706	.700	.723	.704	.685	.676	.647	.618	.604	.612	.631	.647	.662	.682	.694	.699	.669	.667
„ 12, ...	.667	.666	.669	.680	.686	.687	.699	.718	.725	.721	.725	.730	.709	.668	.655	.648	.633	.669	.694	.706	.716	.724	.709	.701	.692
„ 13, ...	.677	.652	.632	.633	.630	.645	.667	.681	.699	.704	*.700	*.688	.669	*.647	*.633	.626	*.627	*.634	*.643	*.652	*.656	.659	*.66	*.64	.656
„ 14, ...	*.62	*.60	*.59	*.59	*.59	*.59	*.60	*.60	*.60	.605	*.598	*.581	.552	*.515	*.490	.478	*.480	*.496	*.514	*.532	*.543	.548	*.55	*.53	.558
„ 15, ...	*.51	*.49	*.48	*.48	*.49	*.51	*.54	*.58	*.59	.595	.600	.592	.568	.552	.533	.516	.532	.536	.551	.591	.599	.600	.601	.588	.551
„ 16, ...	.583	.561	.557	.565	.570	.591	.619	.629	.649	.654	.652	.643	.642	.616	.604	.605	.605	.621	.645	.667	.674	.678	.690	.672	.625
„ 17, ...	.681	.676	.659	.657	.667	.686	.703	.737	.736	.735	.739	.739	.728	.720	.721	.720	.720	.712	.737	.758	.767	.776	.790	.777	.723
„ 18, ...	.772	.771	.775	.777	.773	.786	.804	.809	.811	.819	.818	.817	.789	.776	.738	.737	.756	.772	.784	.803	.807	.810	.819	.811	.789
„ 19, ...	.783	.758	.754	.756	.758	.775	.785	.779	.796	.801	*.786	.771	.754	.747	.731	.710	.712	.721	.725	.743	.748	.758	.753	.740	.756
„ 20, ...	.729	.716	.718	.711	.711	.722	*.729	*.734	*.738	.740	.728	.712	.698	.670	.657	.657	.653	.658	.670	.698	.697	.715	.718	.703	.703
„ 21, ...	.681	.663	.666	.662	.680	.679	.700	.718	.722	.728	.721	.706	.675	.671	.660	.649	.649	.664	.672	.690	.702	.720	.720	.721	.688
„ 22, ...	.712	.708	.706	.704	.718	.739	.759	.769	.784	.784	.788	.781	.758	.734	.721	.716	.723	.727	.744	.767	.787	.791	.796	.791	.750
„ 23, ...	.778	.768	.768	.764	.766	.782	.803	.822	.840	.850	.842	.827	.799	.772	.755	.742	.738	.746	.759	.778	.795	.807	.808	.806	.788
„ 24, ...	.789	.780	.772	.770	.776	.791	.809	.825	.836	.847	.832	.814	.795	.769	.749	.738	.738	.732	.741	.759	.759	.777	.777	.770	.781
„ 25, ...	.753	.744	.734	.746	.746	.766	.785	.802	.816	.823	.820	.804	.773	.748	.720	.703	.696	.701	.704	.724	.737	.757	.763	.757	.755
„ 26, ...	.738	.723	.713	.716	.719	.738	.747	.757	.760	.772	.765	.753	.729	.714	.707	.698	.698	.699	.717	.731	.744	.759	.758	.751	.734
„ 27, ...	.737	.721	.725	.743	.744	.761	.776	.793	.811	.823	.814	.806	.777	.767	.758	.747	.747	.757	.776	.786	.793	.792	.796	.798	.773
„ 28, ...	.792	.788	.777	.761	.760	.773	.795	.820	.834	.841	.837	.826	.800	.780	.760	.738	.732	.742	.751	.765	.779	.802	.801	.797	.785
„ 29, ...	.780	.765	.762	.765	.761	.775	.796	.811	.817	.834	.815	.806	.791	.767	.754	.735	.724	.727	.737	.758	.767	.785	.786	.780	.775
„ 30, ...	.767	.749	.745	.745	.748	.754	.764	.777	.777	.778	.784	.777	.769	.743	.736	.717	.719	.720	.723	.738	.749	.768	.769	.762	.753
„ 31, ...	.753	.746	.729	.732	.743	.763	.778	.792	.790	.806	.812	.797	.776	.763	.744	.729	.731	.739	.753	.764	.776	.780	.795	.787	.766
Hourly Means, ...	29.762	29.750	29.742	29.741	29.747	29.761	29.779	29.793	29.802	29.807	29.803	29.792	29.771	29.750	29.732	29.720	29.720	29.729	29.741	29.758	29.770	29.782	29.785	29.774	29.763

* Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF MAY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
May 1,	67.4	67.1	66.6	66.5	66.8	66.7	66.9	67.0	67.4	68.0	68.4	69.2	70.0	69.4	69.1	68.9	69.3	69.3	69.5	69.7	69.8	69.7	69.2	69.1	68.4	70.1	66.5
„ 2,	69.1	68.6	68.2	68.4	68.4	68.3	68.2	68.8	69.2	70.0	70.0	71.2	70.9	70.6	70.8	70.8	70.8	70.6	70.3	69.8	70.3	70.0	69.6	69.4	69.7	71.2	68.0
„ 3,	69.5	69.4	69.0	68.9	69.0	69.0	69.4	69.4	69.7	70.3	70.8	71.5	71.4	71.8	71.8	73.6	71.8	71.2	71.1	71.3	71.8	72.5	72.2	71.8	70.8	74.0	68.8
„ 4,	71.5	69.6	69.5	69.1	69.0	69.6	71.0	72.7	73.4	76.2	78.5	77.2	78.4	77.4	78.4	78.0	76.0	74.0	72.9	72.9	72.5	72.5	72.8	73.1	73.5	78.7	69.0
„ 5,	72.4	72.2	72.3	72.0	71.8	72.1	73.4	75.1	77.0	78.1	79.5	80.7	80.7	81.3	81.4	80.4	79.6	77.3	75.0	75.5	73.2	73.0	72.6	72.3	75.8	81.7	71.6
„ 6,	72.0	71.4	71.0	70.6	70.4	71.1	72.2	75.5	77.8	78.8	79.2	80.6	80.3	78.1	75.4	74.5	74.9	74.0	73.5	73.3	73.3	73.3	73.4	73.3	74.5	80.6	70.3
„ 7,	72.8	72.4	71.8	71.4	71.7	71.8	72.1	72.3	73.7	75.1	75.9	75.2	78.0	78.5	78.0	76.0	76.0	74.2	72.8	72.7	72.7	72.7	72.8	72.7	73.9	78.5	71.3
„ 8,	72.8	72.9	72.8	72.7	72.6	72.5	73.3	75.0	77.0	77.8	77.4	77.6	78.0	78.5	76.6	75.2	75.6	74.6	73.7	73.3	73.3	73.2	73.2	73.4	74.7	78.5	72.5
„ 9,	73.5	73.4	73.0	73.4	73.5	73.6	75.5	77.5	79.1	80.7	81.8	80.6	82.3	82.6	82.8	83.7	79.8	78.1	78.0	78.0	77.8	77.7	77.6	77.7	78.0	84.7	72.9
„ 10,	77.2	76.5	76.3	76.0	75.9	75.4	77.4	78.1	79.1	81.5	81.4	81.4	82.7	84.0	†85.3	82.9	81.3	80.7	80.4	80.2	80.1	79.9	78.5	77.8	79.6	85.3	75.3
„ 11,	78.8	78.6	78.7	78.8	79.0	79.0	79.8	80.0	77.0	79.0	78.6	79.4	79.5	79.8	80.1	79.2	77.8	77.5	77.0	76.3	75.8	75.2	74.8	74.2	78.1	80.2	74.2
„ 12,	73.2	72.3	72.1	71.2	71.4	71.1	71.3	71.6	71.8	71.7	72.7	73.9	72.9	73.2	72.9	71.3	72.0	72.0	71.8	71.8	71.7	71.7	71.3	71.5	72.0	74.7	70.8
„ 13,	71.6	71.5	71.9	71.6	71.4	71.4	71.4	72.0	72.1	73.0	73.7	74.3	74.4	74.4	72.6	72.6	†72.7	†72.3	†72.5	†72.9	73.1	73.6	†73.7	†74.0	72.7	75.2	71.3
„ 14,	†75.2	†77.0	77.9	78.2	78.9	78.5	79.3	80.3	81.1	81.7	82.4	82.1	83.0	83.1	82.5	81.4	80.9	80.9	80.9	80.7	79.8	80.0	74.7	79.9	80.0	83.5	74.5
„ 15,	80.1	80.2	80.0	79.7	79.3	79.5	79.9	74.4	75.0	76.7	77.4	79.8	83.4	83.7	83.1	84.0	81.8	81.1	80.1	79.1	78.5	78.8	78.2	77.9	79.6	84.4	78.8
„ 16,	77.2	77.2	76.7	75.4	75.0	75.3	76.6	78.4	78.4	80.8	80.8	82.4	82.3	81.8	83.5	83.7	82.8	80.7	78.3	77.7	77.4	77.0	76.9	76.5	78.9	84.3	74.9
„ 17,	76.3	76.2	76.1	75.7	75.6	76.0	77.1	77.6	78.2	78.1	78.5	77.8	76.8	77.0	75.3	75.2	74.5	74.1	74.1	73.9	73.9	73.9	73.8	73.5	75.8	78.5	73.3
„ 18,	73.3	73.3	73.4	73.4	73.3	73.3	73.8	74.5	75.7	76.4	76.9	76.9	76.9	77.1	76.0	75.3	75.1	75.0	74.5	74.7	74.8	75.0	75.0	74.9	74.9	77.7	73.2
„ 19,	74.6	74.4	74.2	73.6	73.7	73.7	73.9	75.0	74.8	75.1	76.4	76.4	76.4	76.4	75.7	75.7	76.8	75.9	75.4	75.2	75.1	75.1	75.1	75.2	75.2	78.2	73.5
„ 20,	75.2	75.0	75.3	75.5	76.0	76.6	77.6	78.4	80.6	82.1	82.4	82.5	82.7	82.4	82.3	82.0	81.6	81.1	81.1	81.0	80.8	80.7	80.7	80.6	79.8	83.2	75.0
„ 21,	80.5	80.0	80.0	79.8	79.7	79.8	80.1	80.6	80.7	81.6	83.1	83.0	82.9	82.4	82.3	80.9	80.9	80.9	80.5	80.9	80.8	80.8	80.8	80.7	81.0	83.2	79.6
„ 22,	80.1	80.2	80.1	80.3	80.1	79.9	81.1	82.0	83.2	83.7	84.1	83.9	84.1	83.2	83.5	82.0	81.7	81.5	81.3	81.1	81.0	81.0	80.8	80.8	81.7	84.4	79.9
„ 23,	80.0	79.9	80.9	79.8	79.7	79.7	80.4	81.8	81.4	83.5	83.5	83.1	84.2	83.9	84.4	83.0	82.2	82.1	81.9	81.8	81.5	81.4	81.1	81.0	81.8	84.8	79.6
„ 24,	80.9	80.6	80.1	80.1	80.4	80.6	81.6	82.4	83.4	80.3	83.4	82.7	82.5	84.9	85.9	84.7	83.5	82.7	81.8	81.5	81.3	81.4	81.1	81.0	82.0	86.2	78.3
„ 25,	80.6	80.4	80.2	79.4	79.7	80.0	81.7	83.4	84.1	83.6	83.5	83.9	84.1	83.5	84.2	83.6	82.3	82.8	81.6	81.4	81.1	80.9	80.8	80.6	82.0	85.6	79.4
„ 26,	80.1	80.1	79.8	79.7	79.8	80.3	81.4	82.3	84.1	83.2	83.1	83.1	83.8	82.7	83.6	84.6	84.1	83.5	82.5	81.7	81.4	81.1	80.9	80.8	82.0	85.2	78.6
„ 27,	80.4	80.0	79.9	79.8	79.5	79.9	81.3	82.0	83.0	84.9	85.0	85.2	85.4	85.5	86.7	85.5	84.7	83.8	81.7	81.5	81.3	81.1	81.0	80.9	82.5	86.8	79.5
„ 28,	80.9	80.5	80.0	79.5	79.2	79.6	80.6	80.8	82.5	84.2	85.6	85.8	86.4	*86.9	*87.4	86.3	83.9	83.5	81.7	81.5	81.2	81.2	81.1	80.7	82.5	87.4	79.1
„ 29,	80.2	79.9	79.2	79.5	79.4	79.7	80.9	82.2	82.6	79.5	80.8	80.7	81.6	79.7	82.2	84.2	82.7	81.6	81.5	81.5	81.5	80.8	81.0	81.0	81.0	84.6	79.2
„ 30,	80.8	80.5	80.6	80.6	80.7	80.9	81.1	81.5	83.2	85.0	82.4	76.2	77.4	80.5	81.8	82.1	81.9	81.8	80.9	80.8	81.1	81.4	81.1	81.1	81.1	85.2	76.2
„ 31,	81.2	81.1	80.8	80.8	80.7	80.3	79.7	80.3	82.2	75.5	78.9	81.3	84.8	82.3	83.5	83.7	83.4	81.9	80.4	80.3	80.2	80.0	80.1	79.8	81.0	85.1	74.9
Hourly Means,	76.1	75.9	75.8	75.5	75.5	75.7	76.5	77.2	78.0	78.6	79.2	79.3	79.9	79.9	80.0	79.5	78.8	78.1	77.4	77.2	77.0	77.0	76.6	76.7	77.6	81.3	74.4

* Interpolated. † Approximate Reading.

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF MAY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Sun.	Rad.
May 1,	65.5	65.2	64.4	64.6	64.8	64.9	65.3	65.4	65.7	66.1	66.4	66.7	67.3	67.0	66.9	67.1	67.6	67.5	67.6	67.5	66.9	67.0	67.0	67.1	66.3	101.6	65.2
„ 2,	67.1	67.0	66.8	66.8	66.8	66.7	66.8	67.2	67.6	68.0	67.9	68.8	68.7	68.6	68.7	68.7	68.8	68.7	68.7	68.7	68.7	69.0	68.7	68.6	68.0	102.8	66.4
„ 3,	68.6	68.4	68.2	68.2	68.2	68.3	68.4	68.4	68.6	69.0	69.3	69.7	69.6	70.1	70.3	71.4	70.8	70.5	70.3	70.5	70.6	70.8	70.7	70.5	69.6	110.8	67.9
„ 4,	70.5	69.0	68.9	68.5	68.3	68.8	70.1	71.5	71.8	73.7	75.1	74.5	75.1	74.5	75.2	75.0	73.8	72.7	72.1	72.1	71.7	71.6	71.9	72.3	72.0	139.6	67.8
„ 5,	71.9	71.7	71.8	71.7	71.6	71.5	71.7	72.9	73.4	74.1	75.6	76.1	75.7	75.5	75.4	74.7	74.6	73.8	73.3	73.3	72.6	72.3	72.0	72.1	73.3	135.7	69.9
„ 6,	71.7	71.0	70.8	70.3	70.1	70.7	71.3	72.7	73.5	74.3	74.5	75.1	75.5	74.6	73.2	72.6	72.5	72.0	71.7	70.7	70.9	70.7	70.8	70.7	72.2	140.7	67.8
„ 7,	70.7	70.5	70.2	70.0	69.7	69.7	69.7	69.8	70.3	70.6	71.9	71.1	72.6	73.2	73.1	72.0	72.2	71.6	70.9	70.7	70.8	71.1	71.7	71.6	71.1	138.7	69.9
„ 8,	71.7	72.0	72.1	72.0	72.0	72.2	72.4	73.1	74.2	74.3	74.3	75.2	75.1	75.4	74.9	74.2	74.2	73.5	73.2	73.1	73.0	72.9	73.0	73.0	73.4	138.1	70.7
„ 9,	73.1	73.1	72.8	73.1	73.1	73.3	74.3	75.2	74.7	75.1	75.5	73.7	75.3	75.9	76.5	76.2	75.8	74.3	75.3	75.0	75.2	75.4	75.5	75.2	74.7	139.3	71.0
„ 10,	75.4	75.3	75.2	74.9	74.9	74.8	75.1	75.4	75.6	75.5	75.1	75.6	75.9	77.4	78.0	77.3	76.5	75.6	75.9	76.0	75.4	76.1	75.9	76.1	75.8	142.7	71.1
„ 11,	75.9	75.8	75.7	75.4	75.6	75.7	75.8	76.0	73.2	74.9	75.7	75.9	75.8	76.4	76.1	74.2	74.6	74.8	74.7	74.6	73.7	73.4	73.1	72.5	75.0	103.2	72.1
„ 12,	71.8	70.6	70.2	70.0	70.4	70.3	70.3	70.4	70.6	70.6	71.1	71.4	71.1	71.2	71.2	70.6	70.7	70.8	70.5	70.5	70.5	70.5	70.2	70.2	70.6	95.7	69.6
„ 13,	70.4	70.6	70.7	70.6	70.4	70.3	70.3	70.6	70.4	71.0	71.6	72.4	72.0	71.9	71.0	71.2	†71.6	†71.5	†71.8	†72.0	†72.1	†72.3	†72.6	†73.1	71.4	126.2	70.1
„ 14,	†74.1	†75.1	†76.0	†76.2	†76.3	76.7	76.8	77.1	77.6	77.6	77.7	77.4	77.8	77.8	77.9	77.6	77.5	77.6	77.5	77.5	77.6	77.6	73.3	77.7	76.9	136.2	72.3
„ 15,	77.8	77.8	77.6	77.6	77.6	77.6	77.8	70.9	72.3	71.5	72.8	74.4	74.7	75.2	78.1	78.8	78.0	78.1	77.6	77.4	77.1	77.2	77.2	77.0	76.3	139.8	71.5
„ 16,	74.6	74.1	74.2	73.7	73.6	73.6	74.4	75.2	74.7	74.7	75.2	77.2	77.2	76.4	78.0	79.1	78.4	76.6	76.2	76.1	75.9	75.0	74.4	74.8	75.6	145.5	75.6
„ 17,	75.1	74.9	74.3	74.4	74.3	74.2	74.4	74.8	75.0	73.7	75.0	74.1	73.4	73.4	72.8	72.6	72.1	71.6	71.6	71.6	71.4	71.2	71.0	70.1	73.2	140.5	71.8
„ 18,	69.4	69.6	69.8	69.9	70.0	70.1	70.4	70.6	71.4	71.2	72.0	72.7	72.8	72.8	72.4	72.2	71.8	71.9	71.7	72.1	72.5	72.9	73.1	73.1	71.5	139.7	71.6
„ 19,	73.1	73.1	72.8	72.9	72.8	72.7	73.0	73.5	73.3	73.3	74.6	74.4	74.2	73.9	74.0	74.1	74.7	74.2	74.0	73.9	73.9	74.0	74.1	74.1	73.7	140.3	72.6
„ 20,	74.2	74.2	74.4	74.6	75.1	75.3	76.0	75.9	77.1	77.7	78.2	78.5	78.9	78.7	78.8	77.5	77.9	78.0	77.9	77.6	77.7	77.6	77.1	77.4	76.9	139.4	74.0
„ 21,	76.8	76.8	76.4	76.5	76.5	76.3	76.5	76.9	76.6	77.3	77.9	78.2	78.3	78.8	79.1	78.6	78.5	78.3	77.9	77.8	78.2	77.8	77.7	77.0	77.5	129.5	77.1
„ 22,	77.4	77.3	77.1	77.1	76.9	77.2	77.7	78.2	79.0	79.2	79.4	79.2	79.3	79.3	79.6	78.9	78.8	78.3	78.4	78.2	78.2	78.0	77.8	77.7	78.3	136.7	76.5
„ 23,	77.4	77.3	77.0	77.0	76.2	76.2	76.2	76.8	76.8	78.2	78.6	78.3	78.9	78.8	79.6	78.8	78.7	78.6	78.3	78.1	78.0	78.0	77.7	77.6	77.8	141.8	77.4
„ 24,	77.1	77.3	77.4	77.0	77.0	77.0	77.7	77.9	78.0	77.6	78.9	78.5	78.7	78.7	80.7	78.9	78.2	78.7	77.8	77.7	77.8	77.8	77.8	77.4	78.0	142.1	75.5
„ 25,	77.3	76.8	76.4	76.3	76.2	76.1	77.0	77.0	76.9	76.1	76.0	*76.3	76.6	77.7	77.8	77.3	77.0	77.2	76.1	76.0	76.3	75.4	76.0	75.7	76.6	142.7	75.6
„ 26,	75.5	75.7	75.5	75.2	75.3	75.7	75.7	76.0	77.1	76.5	77.0	76.5	76.8	77.1	78.0	*77.7	77.4	77.4	77.2	77.0	77.3	76.9	76.8	76.5	76.6	143.9	73.2
„ 27,	76.5	76.3	75.9	75.7	75.4	75.9	76.4	77.2	76.6	77.2	77.3	77.5	78.0	77.7	79.3	78.0	78.0	77.8	77.4	77.3	78.0	78.2	77.7	77.5	77.2	142.2	75.1
„ 28,	77.5	77.0	77.2	77.1	77.3	77.5	77.6	77.4	77.9	78.1	78.9	79.3	79.3	79.8	79.6	79.5	79.5	79.0	78.3	78.1	78.1	77.9	78.1	77.7	78.2	145.4	74.3
„ 29,	77.3	76.9	76.7	76.9	76.6	76.9	77.3	77.7	77.6	77.6	78.6	78.3	78.9	77.8	78.8	79.3	79.2	78.3	77.7	77.9	77.5	77.6	77.2	77.5	77.8	140.4	76.6
„ 30,	77.5	77.6	77.3	77.3	77.1	77.3	78.0	78.0	79.0	79.0	78.4	75.0	76.2	77.3	78.1	78.0	78.7	77.7	76.6	76.6	77.5	77.8	77.4	77.4	77.5	146.3	74.8
„ 31,	77.2	77.3	77.2	77.1	77.2	77.6	75.4	75.8	77.4	73.6	76.3	75.8	79.2	78.0	78.9	79.2	78.9	77.8	77.8	76.6	76.9	76.6	76.5	76.3	77.1	145.5	73.4
Hourly Means,	73.9	73.7	73.6	73.5	73.5	73.6	73.9	74.0	74.3	74.4	75.1	75.1	75.4	75.5	75.9	75.5	75.4	75.0	74.7	74.6	74.6	74.5	74.3	74.4	74.5	134.0	72.2

* Interpolated. Approximate.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF MAY, 1885.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1885.		
1 a	91	0.815	May 1,.....	90	0.619
2 „	91	0.809	„ 2,.....	91	0.664
3 „	91	0.806	„ 3,.....	94	0.709
4 „	91	0.806	„ 4,.....	93	0.766
5 „	91	0.806	„ 5,.....	88	0.788
6 „	92	0.808	„ 6,.....	89	0.761
7 „	89	0.809	„ 7,.....	87	0.725
8 „	86	0.804	„ 8,.....	94	0.807
9 „	84	0.806	„ 9,.....	85	0.816
10 „	82	0.802	„ 10,.....	83	0.842
11 „	83	0.823	„ 11,.....	86	0.828
Noon.	82	0.822	„ 12,.....	93	0.732
1 p	81	0.827	„ 13,.....	94	0.753
2 „	81	0.831	„ 14,.....	87	0.885
3 „	83	0.847	„ 15,.....	86	0.864
4 „	83	0.837	„ 16,.....	86	0.842
5 „	85	0.841	„ 17,.....	88	0.784
6 „	87	0.834	„ 18,.....	84	0.727
7 „	89	0.831	„ 19,.....	93	0.813
8 „	90	0.829	„ 20,.....	87	0.886
9 „	90	0.832	„ 21,.....	85	0.898
10 „	89	0.827	„ 22,.....	85	0.924
11 „	90	0.825	„ 23,.....	83	0.900
Midt.	90	0.827	„ 24,.....	83	0.906
			„ 25,.....	77	0.845
			„ 26,.....	77	0.845
			„ 27,.....	78	0.864
			„ 28,.....	82	0.908
			„ 29,.....	86	0.911
			„ 30,.....	85	0.896
			„ 31,.....	83	0.880
Mean, ...	87	0.821	Mean,.....	87	0.819

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1885.														
May 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	...	...	...	...	...	...	0.4	...	...	0.4
„ 4,	...	...	...	...	0.5	0.5	0.8	1.0	1.0	1.0	1.0	0.3	...	6.1
„ 5,	...	...	0.1	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	9.1
„ 6,	0.4	...	0.2	0.5	1.0	1.0	1.0	0.8	0.4	...	...	...	...	5.3
„ 7,	...	...	0.1	...	0.5	0.6	1.0	1.0	1.0	0.9	0.1	0.7	0.2	6.1
„ 8,	...	0.3	1.0	1.0	1.0	0.6	0.4	0.9	0.7	0.5	...	...	...	6.4
„ 9,	...	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	...	...	9.0
„ 10,	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	...	10.2
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	0.1	...	0.1	...	...	...	...	...	...	...	...	0.2
„ 14,	...	0.3	0.8	1.0	0.6	1.0	0.9	1.0	0.6	0.5	...	...	...	6.7
„ 15,	...	...	...	...	...	0.2	0.8	1.0	1.0	0.1	0.3	...	...	3.4
„ 16,	...	1.0	1.0	1.0	1.0	0.9	1.0	0.8	1.0	1.0	0.5	0.5	...	9.7
„ 17,	...	...	...	...	0.3	0.6	0.1	...	0.2	...	...	...	...	1.2
„ 18,	...	...	0.1	0.8	0.9	1.0	1.0	0.6	0.4	0.2	...	...	...	5.0
„ 19,	...	...	0.1	...	...	0.4	...	...	...	...	...	...	...	0.5
„ 20,	...	...	...	0.1	0.5	0.6	0.7	0.8	0.4	...	...	...	...	3.1
„ 21,	...	...	...	...	...	...	0.3	0.2	0.3	...	...	...	...	0.8
„ 22,	...	0.8	0.5	0.6	0.3	0.4	0.3	0.5	0.3	0.6	...	...	...	4.3
„ 23,	0.3	1.0	0.8	0.6	1.0	0.9	1.0	1.0	0.9	0.9	0.9	0.9	0.2	10.4
„ 24,	0.1	0.2	0.3	0.7	0.3	1.0	0.3	0.4	1.0	1.0	1.0	1.0	0.3	7.6
„ 25,	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.6	0.4	11.3
„ 26,	0.3	1.0	0.9	1.0	0.8	1.0	0.9	1.0	0.4	0.8	1.0	1.0	0.4	10.5
„ 27,	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.0
„ 28,	0.2	0.2	0.6	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.4	9.9
„ 29,	0.2	0.9	0.9	0.8	0.2	0.1	0.6	0.8	0.4	0.8	1.0	0.8	...	7.5
„ 30,	0.3	0.9	0.9	0.9	0.7	...	...	...	...	...	...	...	...	3.7
„ 31,	...	0.3	0.3	0.4	...	...	0.1	0.9	0.7	0.9	0.7	1.0	0.1	5.4
Sums,.....	3.2	10.1	12.6	15.0	15.7	16.8	17.2	18.7	16.7	15.2	12.5	9.5	2.6	165.8
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF MAY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.
May 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·005	0·010	...	0·020
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·005	0·005	0·005	0·005	0·025
„ 3,	0·025	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·090	0·115
„ 4,	0·260	1·130	0·025	0·035	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·450
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·075	0·075
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·195
„ 11,	...	...	...	...	...	...	...	0·050	0·100	0·010	0·085	...	...	...	...	...	...	...	...	...	...	...	...	...	0·120
„ 12,	...	...	...	0·020	0·005	...	0·040	...	...	0·005	...	...	...	...	0·015	0·020	0·005	...	0·005	0·005	...	...	...	0·065	0·075
„ 13,	...	...	...	0·005	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	0·130	0·290	0·075	...	0·640
„ 14,	...	...	...	0·005	0·005	0·135	...	...	...	...	...	...	...	...	...	...	...	...	0·015	...	0·015	0·005	...	...	0·085
„ 15,	...	...	...	...	...	...	...	...	0·050	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·025
„ 16,	0·020	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010
„ 19,	...	...	...	...	...	...	...	...	0·005	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·045	0·105	0·060	...	...	...	...	...	...	0·210
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·370
„ 24,	...	...	...	...	...	...	...	...	...	0·335	...	...	0·035	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·050
„ 28,	...	...	...	...	...	...	0·050	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·160
„ 29,	...	...	...	...	...	...	...	...	...	0·160	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·380
„ 30,	...	...	...	...	...	0·030	...	...	...	...	...	0·305	0·015	0·010	...	...	0·020	...	...	...	...	...	...	...	0·855
„ 31,	...	...	...	...	...	...	...	...	0·450	0·390	...	...	...	...	...	...	...	...	0·015	...	...	...	...	...	
Sums,	0·305	1·135	0·025	0·065	0·010	0·165	0·090	0·050	0·610	0·905	0·035	0·305	0·050	0·010	0·015	0·065	0·130	0·060	0·035	0·010	0·155	0·305	0·090	0·235	4·860

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND, FOR THE MONTH OF MAY, 1885.

DATE.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Sums.	Means.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
May 1,	7	36	6	33	7	33	7	34	7	33	7	32	7	31	7	31	6	32	6	29	6	29	6	29	7	29	7	27	7	29	7	26	6	26	6	27	7	25	7	25	7	31	7	26	7	26	6	28	702	29.2
" 2,	6	26	7	24	7	27	7	28	7	31	7	30	7	28	7	27	7	29	7	33	7	26	6	29	6	24	7	28	7	26	7	22	7	23	7	20	6	17	7	19	7	19	7	21	7	21	7	21	594	24.7
" 3,	7	22	7	20	7	22	7	19	7	20	7	22	7	25	7	26	7	22	7	23	7	22	7	19	7	20	7	20	7	16	7	17	7	12	8	14	8	15	8	15	8	11	10	13	8	14	8	15	444	18.5
" 4,	8	13	23	9	9	20	8	24	6	13	8	10	8	9	9	8	7	7	9	9	9	15	8	10	8	18	7	17	7	18	7	18	8	15	7	15	8	12	6	8	7	13	7	10	8	8	11	10	315	13.1
" 5,	10	8	10	7	9	5	9	4	9	4	6	2	6	4	9	4	12	5	12	8	12	5	11	3	32	4	30	7	29	7	29	7	29	5	5	4	30	3	30	2	...	1	27	4	...	1	...	0	99	4.1
" 6,	27	2	...	1	27	2	27	2	27	5	8	14	9	9	9	6	9	11	8	16	9	14	9	20	9	19	9	18	9	23	8	22	8	20	8	21	7	20	7	20	6	14	6	17	6	19	6	19	334	13.9
" 7,	7	17	6	19	6	18	6	18	7	18	7	16	7	18	7	18	7	20	7	21	9	15	9	24	10	20	9	22	8	18	9	18	8	20	8	20	8	18	8	16	9	12	11	10	10	16	10	18	430	17.9
" 8,	9	13	9	10	9	11	9	9	9	9	9	9	9	13	8	15	10	16	9	20	9	21	8	19	8	17	7	20	8	20	7	15	8	16	8	15	7	13	7	13	7	11	6	9	7	7	6	3	324	13.5
" 9,	6	2	6	4	8	6	6	5	6	6	7	7	5	5	6	3	30	4	27	8	18	8	22	14	20	13	19	15	19	18	20	14	18	11	21	6	16	5	15	6	17	4	27	4	19	5	19	5	173	7.2
" 10,	29	3	29	4	29	3	...	1	...	1	...	1	29	3	26	8	25	10	22	12	21	14	20	15	18	12	18	16	17	15	17	18	17	14	17	14	18	13	18	13	18	12	19	10	22	5	16	7	230	9.6
" 11,	17	10	18	10	18	11	17	12	18	10	18	10	18	14	18	18	16	16	19	13	18	14	20	17	19	19	17	12	18	12	19	9	21	7	26	3	26	4	8	14	7	15	7	19	7	21	6	25	314	13.1
" 12,	7	25	6	25	6	26	7	23	6	24	6	27	6	25	6	23	6	26	6	25	7	22	7	21	8	23	7	22	7	25	6	24	7	24	6	23	7	23	6	20	7	21	7	23	7	23	7	20	563	23.5
" 13,	8	20	6	22	7	21	7	22	7	19	7	18	7	21	7	24	7	24	7	24	7	21	8	24	8	23	7	23	7	22	8	26	8	27	9	27	7	19	7	20	8	20	8	22	8	17	6	22	518	21.6
" 14,	13	7	15	11	16	19	16	16	18	20	17	22	17	25	18	24	16	27	18	28	18	29	18	26	18	26	19	20	19	21	19	20	18	21	18	26	18	26	19	24	19	30	18	26	25	10	18	34	538	22.4
" 15,	18	38	18	31	18	30	20	20	21	21	20	22	21	27	24	24	21	20	24	16	24	12	24	6	25	5	27	11	24	12	24	8	22	5	26	2	29	3	29	3	7	4	7	4	4	5	7	3	332	13.8
" 16,	14	7	8	6	7	10	11	4	9	10	9	9	9	8	7	3	23	7	22	8	25	5	26	6	24	8	27	9	24	5	25	3	25	3	25	2	28	3	11	7	8	11	9	14	7	10	7	9	167	7.0
" 17,	9	7	8	5	8	7	9	8	9	9	8	8	7	9	7	14	7	22	7	26	7	30	7	26	7	27	7	25	7	25	7	25	6	25	6	25	7	24	7	24	7	25	7	25	7	21	7	22	464	19.3
" 18,	7	24	7	21	7	22	7	18	7	18	7	19	7	19	7	21	7	23	7	24	8	28	9	26	9	30	7	22	7	19	6	20	7	17	6	17	8	19	9	18	8	14	6	12	7	13	7	13	477	19.9
" 19,	6	14	6	20	7	17	7	15	7	15	7	16	7	16	8	18	6	16	7	15	8	21	7	20	7	17	8	18	8	21	8	20	8	17	8	12	8	16	8	16	7	14	7	15	7	12	7	12	393	16.4
" 20,	7	13	7	13	6	11	7	13	8	9	10	4	12	5	8	5	15	12	15	16	16	12	16	13	15	11	15	12	16	13	17	17	15	17	16	13	16	10	16	16	16	17	15	15	18	17	18	17	301	12.5
" 21,	17	20	15	14	17	16	16	21	17	22	17	20	16	23	17	20	18	17	17	14	17	19	17	17	16	18	17	18	17	14	17	9	17	10	16	11	16	19	17	20	17	18	18	13	17	11	19	18	397	16.5
" 22,	20	14	20	11	19	7	18	12	19	8	17	9	17	10	17	10	15	7	17	6	17	10	16	10	16	12	16	13	16	12	16	13	15	12	15	12	15	13	15	16	15	18	16	18	16	17	16	15	285	11.9
" 23,	15	22	15	14	15	10	15	9	16	9	17	14	17	15	16	17	17	10	15	10	16	9	16	14	16	14	16	14	15	12	15	14	15	11	16	13	16	18	16	19	16	13	15	15	15	16	17	12	306	12.7
" 24,	17	14	17	14	17	12	17	12	17	17	17	14	17	16	17	19	18	19	19	16	18	15	18	17	18	18	19	21	18	17	19	17	18	14	16	18	16	18	16	18	16	15	16	8	16	6	17	12	360	15.0
" 25,	17	8	17	10	17	12	16	8	17	10	17	13	17	14	17	13	18	11	19	15	19	18	18	17	19	14	17	12	17	12	17	13	17	15	17	12	18	10	17	8	16	5	16	8	16	8	17	8	274	11.4
" 26,	18	4	18	6	17	4	17	4	17	6	17	7	18	11	17	14	18	13	20	18	20	15	19	19	21	16	20	12	16	16	19	18	18	14	17	13	18	10	17	11	17	11	17	12	17	11	17	10	275	11.5
" 27,	18	8	17	11	18	10	18	10	19	10	17	5	19	5	23	10	23	10	18	12	19	13	20	12	18	12	20	16	22	15	21	14	22	12	20	10	22	6	17	5	18	2	17	5	16	5	17	10	228	9.5
" 28,	18	9	17	7	20	8	21	3	20	3	22	4	27	5	27	4	25	7	19	9	18	13	16	13	16	11	17	13	16	13	17	11	15	11	15	10	15	9	15	13	14	10	14	8	14	11	14	11	216	9.0
" 29,	14	12	10	11	8	13	8	11	9	10	7	11	11	12	12	12	12	17	8	13	6	12	7	15	7	14	7	12	16	11	15	12	15	11	15	10	15	10	14	10	14	13	13	14	14	8	14	10	268	11.2
" 30,	15	12	16	10	16	9	16	9	15	11	15	11	16	12	16	11	16	18	15	16	18	20	24	12	14	7	18	8	7	5	16	8	15	11	17	12	16	4	16	7	14	6	15	11	17	10	16	10	250	10.4
" 31,	17	8	17	8	16	13	17	11	18	10	17	6	22	10	28	3	24	8	27	9	24	8	20	11	18	12	21	8	19	8	16	7	17	7	18	5	16	5	14	4	8	4	13	3	17	4	16	5	177	7.4
Sums,	...	437	...	410	...	430	...	402	...	410	...	408	...	446	...	458	...	485	...	507	...	515	...	530	...	519	...	504	...	497	...	482	...	455	...	452	...	402	...	421	...	409	...	412	...	378	...	404	10748	447.7
Hourly Means,	...	14.1	...	13.2	...	13.9	...	13.0	...	13.2	...	13.2	...	14.4	...	14.6	...	15.6	...	16.4	...	16.6	...	17.1	...	16.7	...	16.3	...	16.0	...	15.5	...	14.7	...	13.0	...	13.0	...	13.6	...	13.2	...	13.3	...	12.2	...	13.0	346.7	14.4

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR MAY, 1885.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	0.6	7.9	5.7	1.1	— 5.1	+ 6.8	E 37° S
2 „	1.5	7.0	5.0	1.2	3.5	5.8	E 31° S
3 „	0.8	8.2	5.0	1.0	4.2	7.1	E 31° S
4 „	0.3	7.9	4.7	0.8	4.4	7.1	E 32° S
5 „	0.6	7.7	4.7	1.5	4.1	6.2	E 33° S
6 „	0.3	7.9	4.8	0.7	4.5	7.2	E 32° S
7 „	0.6	7.9	5.6	1.5	5.0	6.4	E 38° S
8 „	0.6	8.1	4.8	1.9	4.2	6.2	E 34° S
9 „	1.0	8.1	5.5	2.8	4.5	5.2	E 41° S
10 „	1.0	8.8	5.0	3.5	4.0	5.3	E 37° S
11 „	0.5	8.8	5.8	3.3	5.3	5.5	E 44° S
Noon.	0.7	9.1	5.7	3.5	5.0	5.6	E 42° S
1 p.	0.4	8.9	6.3	2.8	5.9	6.1	E 44° S
2 „	0.7	8.7	5.7	2.9	5.1	5.8	E 41° S
3 „	0.2	8.6	5.8	2.4	5.6	6.2	E 42° S
4 „	0.7	7.9	5.9	2.6	5.2	5.4	E 44° S
5 „	0.7	7.5	5.9	1.5	5.2	6.0	E 41° S
6 „	1.2	7.3	5.7	0.9	4.5	6.4	E 35° S
7 „	0.5	7.0	5.0	1.1	4.5	5.9	E 37° S
8 „	0.5	7.5	5.7	0.8	5.2	6.8	E 37° S
9 „	0.2	7.9	5.0	0.8	4.8	7.1	E 34° S
10 „	0.6	7.9	5.2	0.8	4.6	7.0	E 33° S
11 „	0.5	7.4	4.2	0.8	3.7	6.6	E 29° S
Midt.	1.0	6.9	5.7	1.0	— 4.7	+ 5.9	E 39° S
Mean,.....	0.7	8.0	5.4	1.7	—4.7	+ 6.2	E 37° S

TABLE IX.

DIRECTION AND FORCE OF THE WIND AT VICTORIA PEAK, AND SEA DISTURBANCE.

Date.	4 a.			10 a.			4 p.			10 p.		
	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	S
1885.												
May, 1,.....	...	...	5	E	5	5	E	4	5	E	4	
„ 2,.....	...	...	5	E	6	5	E	5	4	E	4	
„ 3,.....	...	...	4	ESE	4	4	ESE	4	3	E	4	
„ 4,.....	...	...	3	ESE	4	3	SE	4	2	SE	4	
„ 5,.....	...	...	2	S	3	2	E	3	0	SE	3	
„ 6,.....	...	...	2	E	3	1	E	4	2	E	4	
„ 7,.....	...	...	4	E	4	4	E	4	3	E	4	
„ 8,.....	...	...	3	ESE	4	2	S	4	2	S	4	
„ 9,.....	...	...	2	S	4	2	S	4	2	S	5	
„ 10,.....	...	...	2	S	4	2	S	5	2	S	6	
„ 11,.....	...	...	3	S	5	3	S	4	3	S	4	
„ 12,.....	...	...	5	SE	5	5	ESE	5	5	ESE	5	
„ 13,.....	...	...	4	ESE	5	5	SE	5	5	SE	5	
„ 14,.....	...	...	3	SSW	6	3	SW	6	4	SW	6	
„ 15,.....	...	...	4	W	4	4	SW	4	2	SW	4	
„ 16,.....	...	...	2	NNE	2	2	WNW	2	0	NW	3	
„ 17,.....	...	...	0	E	4	4	E	5	4	E	5	
„ 18,.....	...	...	5	E	4	5	E	4	4	E	4	
„ 19,.....	...	...	4	ESE	4	4	SE	4	3	SE	4	
„ 20,.....	...	...	0	SE	4	2	SW	5	3	SW	5	
„ 21,.....	...	...	1	S	5	4	S	5	4	S	5	
„ 22,.....	...	...	2	S	3	3	S	4	3	S	5	
„ 23,.....	...	...	2	S	5	3	S	5	4	S	5	
„ 24,.....	...	...	3	S	5	4	S	5	4	S	5	
„ 25,.....	...	...	3	S	4	3	S	4	3	S	4	
„ 26,.....	...	...	3	S	5	3	S	5	3	S	5	
„ 27,.....	...	...	2	S	4	2	S	4	1	SW	5	
„ 28,.....	...	...	2	SSW	4	2	S	4	2	S	4	
„ 29,.....	...	...	2	S	5	2	S	5	2	S	5	
„ 30,.....	...	...	2	S	4	2	S	4	2	S	4	
„ 31,.....	...	...	2	S	4	2	S	4	1	S	4	
Mean,.....	...	...	2.8	S 28° E	4.3	3.1	S 21° E	4.3	2.8	S 18° E	4.5	2

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1885.	ins.	ins.	ins.	°	°	°	°	°	°	°
1,.....	28.060	28.057	28.057	64.0	63.4	62.8	93.0	65.5	62.0	61.5
2,.....	.144	.094	.074	65.0	64.8	63.8	96.0	65.6	62.0	61.5
3,.....	.174	.127	.119	65.0	66.8	66.0	97.0	67.5	62.4	62.5
4,.....	.221	.225	.211	67.4	66.6	64.0	125.2	70.1	62.8	65.3
5,.....	.209	.170	.178	73.8	72.8	69.6	138.2	75.2	64.0	65.7
6,.....	.200	.137	.134	73.0	71.0	69.2	133.2	73.9	68.0	68.7
7,.....	.192	.141	.155	67.2	69.8	68.6	132.0	70.3	66.2	66.7
8,.....	.187	.123	.141	69.8	71.8	70.8	137.2	74.1	66.0	67.9
9,.....	.133	.058	.082	71.6	72.8	70.0	132.0	74.3	69.0	70.5
10,.....	28.082	27.991	27.984	72.8	73.6	72.8	131.2	74.9	70.0	66.5
11,.....	28.023	27.921	27.927	73.0	71.6	71.0	91.6	74.3	69.2	67.7
12,.....	27.998	27.939	27.970	68.8	68.8	68.0	109.2	71.1	68.0	67.7
13,.....	27.980	27.929	27.930	68.2	69.0	71.6	131.0	74.3	68.0	66.9
14,.....	27.920	27.806	27.866	73.6	73.8	73.8	85.0	74.9	71.6	71.5
15,.....	27.899	27.852	27.919	70.8	73.6	74.0	131.2	75.3	69.4	66.9
16,.....	27.948	27.927	27.971	76.2	75.2	74.8	135.2	76.5	70.2	69.9
17,.....	28.014	27.999	27.987	72.8	71.6	70.8	107.0	74.8	70.4	65.7
18,.....	28.073	28.025	28.032	69.2	70.0	68.2	120.4	74.5	68.2	67.7
19,.....	28.081	28.020	28.028	70.2	70.8	69.8	127.0	72.5	68.0	67.5
20,.....	28.034	27.970	27.983	72.6	73.4	72.8	109.0	73.7	67.2	66.3
21,.....	28.029	27.972	28.001	73.8	74.0	74.2	90.2	75.9	73.0	72.5
22,.....	28.090	28.031	28.093	74.6	74.6	74.4	126.4	75.5	72.8	71.5
23,.....	.144	.062	.110	73.8	75.0	74.4	130.0	76.3	72.6	71.5
24,.....	.126	.069	.063	74.6	74.4	73.8	124.0	75.3	73.2	69.5
25,.....	.120	.057	.064	74.0	74.8	73.0	136.0	75.5	72.0	71.5
26,.....	.067	.025	.058	73.4	74.8	74.6	125.0	75.5	72.8	70.7
27,.....	.113	.070	.105	75.2	76.0	74.8	135.2	76.1	72.0	71.5
28,.....	.131	.074	.105	74.8	76.0	74.8	137.0	76.5	74.0	71.5
29,.....	.116	.064	.078	73.8	75.0	73.6	138.0	76.1	73.0	73.7
30,.....	.085	.039	.020	74.8	74.0	72.8	117.0	75.3	72.4	70.5
31,.....	.101	.055	.057	74.2	74.6	73.6	122.0	75.5	70.2	69.5
Mean,.....	28.087	28.033	28.048	71.7	72.1	71.2	120.7	73.8	69.1	68.3

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND AT VICTORIA PEAK.

Date. 1885.	Relative Humidity.						Tension of Aqueous Vapour.					
	Observatory.			Victoria Peak.			Observatory.			Victoria Peak.		
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.
Mar 1,.....	90	91	86	98	97	98	0.618	0.641	0.627	0.588	0.569	0.563
" 2,.....	90	90	95	98	99	97	0.660	0.675	0.697	0.608	0.611	0.577
" 3,.....	93	89	92	98	96	98	0.693	0.741	0.732	0.608	0.634	0.631
" 4,.....	88	86	95	99	81	93	0.799	0.829	0.764	0.671	0.529	0.555
" 5,.....	82	75	97	88	95	88	0.790	0.784	0.785	0.737	0.765	0.641
" 6,.....	80	90	88	90	94	97	0.789	0.777	0.718	0.731	0.711	0.697
" 7,.....	79	82	93	98	95	95	0.690	0.732	0.741	0.657	0.689	0.668
" 8,.....	84	95	99	99	94	95	0.802	0.884	0.807	0.726	0.731	0.714
" 9,.....	76	69	90	95	95	98	0.797	0.804	0.850	0.741	0.765	0.724
" 10,.....	74	77	83	97	95	100	0.804	0.863	0.851	0.780	0.794	0.804
" 11,.....	82	78	91	99	95	95	0.812	0.780	0.800	0.801	0.741	0.720
" 12,.....	95	97	94	98	95	93	0.735	0.741	0.732	0.694	0.666	0.640
" 13,.....	90	93	94	97	97	88	0.733	0.747	0.777	0.673	0.692	0.681
" 14,.....	83	84	89	97	100	100	0.892	0.896	0.915	0.802	0.831	0.831
" 15,.....	76	78	95	97	99	100	0.703	0.916	0.921	0.737	0.818	0.837
" 16,.....	74	81	91	86	92	95	0.779	0.934	0.843	0.785	0.806	0.819
" 17,.....	80	88	87	95	95	95	0.774	0.768	0.729	0.765	0.741	0.714
" 18,.....	76	86	90	95	94	97	0.695	0.750	0.782	0.682	0.687	0.673
" 19,.....	91	93	95	96	99	99	0.797	0.822	0.827	0.714	0.751	0.726
" 20,.....	81	81	87	98	98	95	0.891	0.883	0.906	0.783	0.804	0.765
" 21,.....	82	90	87	98	99	99	0.880	0.949	0.914	0.815	0.829	0.835
" 22,.....	81	87	87	99	99	100	0.939	0.947	0.920	0.846	0.846	0.848
" 23,.....	78	82	85	98	95	99	0.895	0.929	0.914	0.815	0.824	0.840
" 24,.....	88	76	85	95	97	99	0.912	0.911	0.905	0.822	0.824	0.823
" 25,.....	69	74	76	95	91	95	0.801	0.853	0.807	0.797	0.779	0.770
" 26,.....	72	72	82	94	94	95	0.823	0.857	0.869	0.772	0.810	0.822
" 27,.....	69	70	87	92	88	99	0.831	0.859	0.928	0.806	0.796	0.852
" 28,.....	75	73	86	97	91	99	0.881	0.917	0.913	0.835	0.812	0.852
" 29,.....	91	79	83	95	94	97	0.922	0.936	0.895	0.792	0.816	0.802
" 30,.....	76	83	85	95	98	95	0.911	0.905	0.905	0.818	0.821	0.765
" 31,.....	91	81	85	99	98	90	0.804	0.939	0.872	0.835	0.838	0.754
Mean,.....	82	83	89	96	95	96	0.802	0.836	0.827	0.750	0.753	0.740

TABLE XII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1883.												
May 1, ...	10	nim.	E	10	cum-nim.	E	10	cum-nim.	...	10	cum-nim.	...
„ 2, ...	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	...	10	cum-nim.	...
„ 3, ...	10	nim.	E	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E
„ 4, ...	10	nim.	...	10	cum-nim.	...	10	cum-nim.	...	10	cum. / R-cum.	W
„ 5, ...	10	cum-nim.	E	10	nim.	...	10	cum-nim.	...	2	sm-cum. / cum.	W
„ 6, ...	1	str.	...	3	cum.	...	4	cum.	E	2	c-cum. / cum.	W
„ 7, ...	10	nim.	ENE	10	nim.	ENE	10	nim.	ENE	6	c. / cum.	E
„ 8, ...	10	nim.	E	8	cum.	ESE	6	cum.	E	5	R-cum. / c-str.	NE
„ 9, ...	9	cum.	SSE	...	fog.	...	9	cum-str.	SW	3	cum.	S
„ 10, ...	6	cum.	SW	3	cum.	SW	4	cum.	SW	3	cum.	S
„ 11, ...	4	cum.	WSW	9	cum.	SW	10	cum-nim.	...	10	nim.	S
„ 12, ...	10	cum.	WNW	10	cum-nim.	...	10	cum-nim.	E	10	nim.	E
„ 13, ...	10	nim.	E	10	nim.	...	10	cum-nim.	...	10	cum-nim.	E
„ 14, ...	10	nim.	...	10	nim.	S	10	cum. / cum-nim.	SW / S	10	cum. / cum-nim.	S
„ 15, ...	8	cum.	SW	8	nim.	SSW	10	cum-nim.	SW	10	str. / cum.	WS
„ 16, ...	10	cum-str.	WSW	5	R-cum.	SE	2	cum.	W	9	cum. / R-cum.	W
„ 17, ...	10	cum-str.	S	6	cum-str.	S	10	R-cum.	E	10	cum. / R-cum.	W
„ 18, ...	7	cum-str.	SE	6	cum-str.	E	10	cum-nim.	E	3	sm-cum. / cum.	W
„ 19, ...	10	cum-nim.	...	10	nim.	...	10	cum-nim.	E	10	nim.	E
„ 20, ...	10	cum-nim.	...	6	cum-nim.	SE	10	cum-nim.	...	8	c-str. / R-cum.	W
„ 21, ...	8	cum.	SSW	10	nim.	SW	10	R-cum.	SSW	10	cum. / R-cum.	W
„ 22, ...	9	cum-str.	SW	5	cum-str.	SSW	8	cum.	SW	7	cum.	SS
„ 23, ...	8	R-cum.	SSW	6	cum.	SSW	9	R-cum.	SSW	7	sm-cum. / cum.	W
„ 24, ...	8	cum.	SSW	5	cum-nim.	SSW	9	cum-nim.	SSW	9	cum-nim.	SS
„ 25, ...	8	cum.	SSW	4	cum.	SSW	7	cum.	SSW	3	cum.	SS
„ 26, ...	4	cum.	SW	3	cum.	SSW	4	cum.	SSW	5	R-cum.	SS
„ 27, ...	7	sm-cum. / cum.	WSW / SSW	2	cum.	SSW	2	cum.	SW	2	cum.	S
„ 28, ...	7	cum.	SSW	5	cum-nim.	SSW	8	cum. / nim.	SSW / SSW	2	cum.	S
„ 29, ...	4	cum. / cum.	SSW / SSE	5	cum.	S	7	cum.	SSE	10	nim.	SS
„ 30, ...	6	cum.	S	7	cum-nim.	S	8	cum. / cum-nim.	SSW	9	cum-str. / R-cum.	SS
„ 31, ...	9	cum.	S	9	nim.	S	9	cum-nim.	SSW	9	nim.	SS
Mean,.....	8.2	...	...	6.9	...	...	8.3	...	...	7.2	...	...

TABLE XII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Daily and Monthly Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1885.													
May 1,.....	10	cum-nim.	...	10	cum-nim.	...	10	cum-nim.	...	10	nim.	...	10.0
" 2,.....	10	cum-nim.	E	10	cum-nim.	E	10	nim.	E	10	nim.	E	10.0
" 3,.....	10	cum-nim.	...	10	cum. / cum-nim.	ESE	10	nim.	ESE	10	nim.	...	10.0
" 4,.....	6	c-cum. / cum.	W / WSW	6	c-str. / cum.	WNW / E	3	c-str.	...	1	cum.	...	7.0
" 5,.....	2	cum.	E	1	c. / cum.	W / E	1	c-str.	W	0	...	...	4.5
" 6,.....	8	cum.	ESE	10	cum-nim.	E	7	cum-nim.	E	7	cum-nim.	E	5.2
" 7,.....	7	c. / cum.	NW / SE	7	cum.	S	4	cum.	ESE	3	cum.	ESE	7.1
" 8,.....	7	c-str. / cum.	N / SE	6	c-str. / cum.	NNW / SSE	5	c-str.	...	...	fog.	...	6.7
" 9,.....	1	c. / cum.	WNW / SW	7	c-cum. / cum.	W / SW	6	cum.	SW	3	cum.	SW	5.4
" 10,.....	2	c. / cum.	NW / SW	6	c-str. / cum.	NNW / SW	10	c-str. / cum.	SW	9	cum.	SW	5.4
" 11,.....	10	cum-nim.	SW	10	str. / cum-nim.	WSW	10	str. / cum.	SW	8	cum-nim.	E	8.9
" 12,.....	10	nim.	E	10	nim.	E	10	nim.	E	10	nim.	...	10.0
" 13,.....	10	cum-nim.	E	10	cum-nim.	E	10	cum. / cum-nim.	S / E	10	cum-nim.	S	10.0
" 14,.....	10	cum. / cum-nim.	SW / SW	10	cum. / cum-nim.	SW / SW	10	cum-nim.	SW	10	nim.	WSW	10.0
" 15,.....	6	cum.	WSW	10	cum.	WSW	10	cum-nim.	WSW	10	cum-nim.	WSW	9.0
" 16,.....	10	c-cum. / c-str. / cum.	WNW / .... / WNW	8	c-cum. / cum.	W / WNW	8	str. / cum.	...	10	str. / cum.	...	7.8
" 17,.....	10	R-cum.	E	10	R-cum.	E	10	cum-nim.	E	10	cum-nim.	E	9.5
" 18,.....	5	sm-cum. / cum.	WNW / E	10	cum. / R-cum.	E	10	cum-nim.	...	10	cum-nim.	....	7.6
" 19,.....	10	cum. / cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	10	cum. / cum-nim.	ESE	10.0
" 20,.....	9	R-cum.	SSW	10	c-str. / cum-str. / R-cum.	SSW	10	c-str. / cum-nim.	SSW	10	c-str. / cum-nim.	SSW	9.1
" 21,.....	10	cum. / R-cum.	W / WSW	10	str. / nim.	WSW	10	cum-nim.	SW	10	c-str. / cum-nim.	SW	9.8
" 22,.....	9	cum.	SW	10	c-str. / R-cum.	SSW	10	c-str. / R-cum.	SSW	10	R-cum.	SSW	8.5
" 23,.....	9	cum.	SW	9	cum.	SW	8	cum.	SSW	7	cum.	SSW	7.9
" 24,.....	9	nim.	SSW	5	cum.	SW	2	cum.	SSW	7	cum.	SSW	6.8
" 25,.....	2	cum.	SSW	3	cum.	SSW	3	cum.	SSW	4	cum.	SSW	4.3
" 26,.....	5	cum.	SSW	4	cum.	SW	3	cum.	SW	2	cum.	SW	3.7
" 27,.....	4	cum.	SSW	2	cum.	SSW	2	cum.	SSW	2	cum.	SSW	2.9
" 28,.....	1	cum.	SW	2	c. / cum.	SSW	1	cum.	SSW	1	cum.	S	3.4
" 29,.....	8	cum. / R-cum.	SSW / S	7	c-cum. / cum.	NNE / SSW	2	c-cum. / cum.	W / S	1	c-cum. / cum.	W / S	5.5
" 30,.....	9	str. / cum-nim.	SSW	10	str.	SSW	6	c-str. / cum.	SSW	2	c-cum. / cum.	SSW	7.1
" 31,.....	9	c-cum. / R-cum.	SSW	7	c-cum. / cum.	SSW	5	nim.	S	2	c-str. / cum.	S	7.4
Mean,.....	7.4	...	...	7.7	...	...	7.0	...	...	6.4	...	...	7.4

TABLE XIII.

RAINFALL AT DIFFERENT STATIONS.

Date.	Observatory.		Stone Cutters' Island.	Victoria Peak
	Amount.	Duration.	Amount.	Amount.
1885.	ins.	hrs.	ins.	ins.
May 1,	0.020	2	...	0.14
„ 2,	0.050	6	...	0.16
„ 3,	1.540	7	1.60	1.80
„ 4,	...	...	...	...
„ 5,	...	...	...	...
„ 6,	...	...	...	...
„ 7,	...	...	...	...
„ 8,	...	...	...	...
„ 9,	...	...	...	...
„ 10,	0.235	3	0.22	...
„ 11,	0.105	5	...	0.62
„ 12,	0.060	10	...	...
„ 13,	0.210	6	0.23	0.46
„ 14,	0.545	3	0.96	0.85
„ 15,	0.060	2	...	0.20
„ 16,	...	...	...	...
„ 17,	...	...	...	...
„ 18,	0.010	2	...	...
„ 19,	...	...	...	...
„ 20,	...	...	0.02	...
„ 21,	0.210	2	1.24	0.15
„ 22,	...	...	...	...
„ 23,	0.335	1	...	...
„ 24,	0.035	1	...	0.56
„ 25,	...	...	...	...
„ 26,	...	...	...	0.08
„ 27,	0.050	1	...	...
„ 28,	0.160	1	0.49	...
„ 29,	0.030	1	0.18	0.37
„ 30,	1.190	3	0.70	1.24
„ 31,	0.015	1	...	...
Total,	4.860	57	5.64	6.63

W. Doberck,
Government Astronomer

Hongkong Observatory, 29th September, 1885.

HONGKONG OBSERVATORY.

Weather Report for June, 1885.

In the *China Coast Meteorological Register*, based on information transmitted by the Great Northern and the Eastern Extension Telegraph Companies, which was daily published, is given a summary of the atmospheric circumstances in Luzon and along the Coast of China. It also contains information concerning the weather in Nagasaki and Wladivostock.

Unusual visibility was noted on the 1st, the 2nd, the 5th, the 6th, the 9th, the 26th and the 27th.

Dew fell on the 2nd, the 9th, the 24th, the 25th, the 26th and the 28th.

A Solar halo was observed on the 26th and the 29th.

A Lunar halo was observed on the 20th, the 26th, the 27th and the 29th.

A Lunar corona was observed on the 22nd and the 26th.

Faint lightning was seen on the 1st, the 3rd, the 4th, the 5th, the 6th and the 7th.

From about 3 a. till 10 a. on the 8th, a succession of thunderstorms passed from SW towards NE. They were nearest (3-4 s.) about 5 a., 7 a. and 9 a. In the evening lightning was seen in SE.

On the 11th a heavy rainsquall at 11.30 a. was succeeded by thunder and lightning in the afternoon, which increased during the following night. At 9 a. on the 12th a thunderstorm, which passed from SW to NE, was nearest (1 s.). During the whole day thunder and lightning were observed but never closer than 5 s. A thunderstorm was nearest (1 s.) at 5.40 p., another at 6.40 p. (1 s.) From 7.40 p. to 9.15 p. an extraordinarily heavy storm was passing with incessant lightning and terrible thunder. It was overhead at 7.45 p., 8.17 p., 8h. 24m. 37s. (standard clock stopped) and 8.26 p. The general direction of this storm was from SW to NE. Several buildings in Hongkong were struck by lightning and great damage was done by the rain. Sparks were observed in the Offices at the Observatory at 8.17 p. Thunder and lightning continued nearly all night.

On the 14th faint lightning was seen in the evening.

On the 24th, between 10.15 a. and 11 a., a slight thunderstorm with heavy rain passed from E to W. It did not approach nearer than 10 s., but a barque in the harbour was struck by the lightning.

Faint lightning was seen in the evening on the 29th and the 30th.

The Total Distance travelled by, as well as the Duration and average Velocity of Winds from different quarters were as follows:—

Direction.	*Total Distance.* Miles.	*Duration.* Hours.	*Velocity.* Miles per hour.
N	46	8	5.7
NE	371	29	12.8
E	4448	270	16.5
SE	718	57	12.6
S	1878	134	14.0
SW	1506	100	15.1
W	516	62	8.3
NW	264	35	7.5
Calm	20	25	0.8

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„ 4,	...	...	...	...
„ 5,	...	...	...	...
„ 6,	...	...	...	...
„ 7,	...	...	...	...
„ 8,	...	...	...	...
„ 9,	...	...	...	...
„ 10,	0.235	3	0.22	...
„ 11,	0.105	5	...	0.62
„ 12,	0.060	10	...	...
„ 13,	0.210	6	0.23	0.46
„ 14,	0.545	3	0.96	0.85
„ 15,	0.060	2	...	0.20
„ 16,	...	...	...	...
„ 17,	...	...	...	...
„ 18,	0.010	2	...	...
„ 19,	...	...	...	...
„ 20,	...	...	0.02	...
„ 21,	0.210	2	1.24	0.15
„ 22,	...	...	...	...
„ 23,	0.335	1	...	...
„ 24,	0.035	1	...	0.56
„ 25,	...	...	...	...
„ 26,	...	...	...	0.08
„ 27,	0.050	1	...	...
„ 28,	0.160	1	0.49	...
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S	1878	134	14.0
SW	1506	100	15.1
W	516	62	8.3
NW	264	35	7.5
Calm	20	25	0.8

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF JUNE, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
June 1, ...	29.784	29.771	* .765	* .763	* .767	* .779	* .794	* .809	* .812	29.819	29.827	29.818	29.793	29.771	29.756	29.737	29.717	29.721	29.726	29.742	29.753	29.768	29.772	29.769	29.772
„ 2, ...	.750	.742	29.741	29.735	29.738	29.748	29.762	29.771	29.775	.775	.774	.767	.740	.723	.699	.675	.665	.672	.686	.703	.712	.733	.735	.735	.731
„ 3, ...	.724	.716	.708	.706	.709	.714	.726	.740	.745	.753	.751	.735	.712	.698	.689	.688	.688	.694	.718	.739	.760	.777	.786	.775	.727
„ 4, ...	.773	.759	.759	.767	.771	.789	.802	.824	.826	.826	.821	.809	.803	.787	.780	.765	.771	.785	.802	.823	.834	.845	.836	.825	.799
„ 5, .	.810	.801	.800	.811	.820	.832	.851	.864	.864	.864	.859	.844	.830	.813	.806	.794	.785	.792	.804	.809	.820	.821	.819	.808	.822
„ 6, ...	.803	.795	.783	.777	.783	.794	.804	.804	.804	.814	.819	.801	.778	.770	.753	.744	.738	.740	.740	.753	.762	.775	.766	.753	.777
„ 7, ...	.721	.706	.690	.692	.681	.692	.697	.701	.707	.708	.700	.672	.655	.639	.621	.613	.608	.606	.600	.615	.638	.642	.638	.619	.661
„ 8, ...	.598	.582	.571	.552	.553	.558	.571	.626	.604	.601	.586	.587	.568	.564	.553	.545	.549	.557	.574	.609	.625	.664	.672	.667	.589
„ 9, ...	.657	.661	.655	.659	.674	.693	.722	.733	.737	.744	.744	.727	.712	.693	.675	.667	.670	.689	.711	.719	.723	.731	.727	.706	.701
„ 10, ...	.696	.685	.674	.680	.690	.708	.722	.738	.740	.750	.751	.742	.724	.706	.691	.686	.688	.705	.714	.719	.729	.729	.740	.731	.714
„ 11, ...	.708	.680	.675	.673	.674	.674	.678	.706	.712	.706	.708	.709	.692	.678	.666	.653	.666	.666	.656	.668	.674	.696	.695	.699	.684
„ 12, ...	.679	.661	.649	.653	.650	.678	.674	.689	.761	.781	.766	.754	.745	.728	.707	.700	.685	.694	.698	.718	.726	.738	.743	.731	.709
„ 13, ...	.712	.726	.707	.708	.714	.727	.732	.746	.751	.745	.754	.750	.733	.719	.708	.698	.698	.708	.707	.719	.732	.746	.746	.738	.726
„ 14, ...	.734	.735	.744	.737	.734	.736	.740	.745	.751	.747	.729	.716	.691	.673	.657	.641	.633	.628	.640	.657	.664	.692	.693	.686	.700
„ 15, ...	.673	.659	.655	.656	.650	.649	.650	.664	.671	.673	.663	.654	.649	.628	.607	.601	.602	.598	.609	.626	.633	.643	.643	.624	.641
„ 16, ...	.609	.595	.586	.603	.616	.617	.628	.626	.650	.669	.660	.656	.645	.638	.616	.614	.607	.607	.614	.630	.648	.679	.695	.693	.633
„ 17, ...	.698	.680	.687	.691	.692	.706	.726	.740	.747	.745	.730	.724	.714	.702	.692	.680	.671	.683	.690	.702	.713	.734	.733	.717	.708
„ 18, ...	.697	.677	.674	.668	.669	.687	.696	.712	.716	.718	* .711	* .698	.687	.676	.671	.683	.681	.691	.703	.678	.677	.686	.686	.678	.688
„ 19, ...	.675	.664	.662	.669	.673	.670	.675	.689	.691	.692	.693	.689	.670	.646	.635	.639	.640	.645	.658	.669	.678	.693	.675	.657	.669
„ 20, ...	.639	.627	.618	.627	.632	.645	.651	.657	.667	.669	.673	.656	.667	.655	.646	.642	.648	.658	.664	.672	.684	.688	.677	.668	.655
„ 21, ...	.646	.628	.627	† .624	* .63	* .63	* .64	* .65	* .66	.664	* .662	* .654	.639	* .612	* .603	.603	* .604	* .611	* .628	* .636	* .651	.667	* .67	* .66	.637
„ 22, ...	* .66	* .65	* .64	* .64	* .64	* .65	† .655	.667	.675	.687	.689	.685	.680	† .653	† .658	.660	* .662	* .669	* .689	* .698	† .717	.726	† .722	† .711	.674
„ 23, ...	† .685	† .674	† .658	† .653	.660	.667	.672	.687	.710	.716	.715	.709	.686	.663	.650	.647	.644	.651	.656	.684	.700	.718	.718	.705	.680
„ 24, ...	.679	.653	.644	.645	.644	† .658	* .66	* .67	* .68	.687	.704	.681	.662	.655	.639	.624	.624	† .623	† .633	† .649	† .665	.683	† .686	† .670	.659
„ 25, ...	† .644	† .628	† .623	† .623	† .628	* .640	* .647	† .655	* .659	.663	† .670	† .649	.636	† .628	† .612	.598	* .598	* .598	* .605	* .617	* .625	.638	* .64	* .63	.631
„ 26, ...	* .61	* .60	* .59	* .59	* .59	* .60	* .61	* .62	* .63	.629	.613	.604	.590	.576	.559	.548	.549	.549	.562	.580	.594	.608	.604	.577	.591
„ 27, ...	.567	.565	.557	.553	.565	.572	.584	.585	.592	.601	.603	.588	.579	.567	.551	.535	.535	.531	.547	.559	.569	.600	.597	.592	.571
„ 28, ...	.588	.576	.572	.569	.572	.597	.603	* .614	.624	.624	.615	.598	.585	.573	.563	.549	.543	.536	.538	.553	.570	.584	.591	.581	.530
„ 29, ...	.568	.565	.558	.554	.547	.557	.564	.565	.566	.554	.551	.534	.514	.495	.485	.465	.450	.454	.475	.501	.506	.505	.508	.509	.523
„ 30, ...	.504	.498	.499	.480	.476	.476	.485	.497	.510	.514	.520	.506	.473	.451	.451	.444	.437	.441	.447	.477	.489	.510	.510	.505	.483
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	29.676	29.665	29.659	29.659	29.661	29.671	29.681	29.693	29.701	29.705	29.702	29.691	29.675	29.659	29.647	29.638	29.635	29.640	29.650	29.664	29.676	29.691	29.691	29.681	29.671

† Approximate. * Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF JUNE, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
June 1,.....	79.9	79.6	79.3	79.4	79.3	79.4	80.3	80.8	81.7	82.9	84.8	84.5	85.2	85.4	85.4	85.2	84.2	83.2	80.4	80.0	79.9	79.7	79.7	79.7	81.7	86.1	79.2
„ 2,.....	79.6	79.6	79.6	79.6	79.2	79.5	81.1	83.3	84.2	84.6	84.3	82.8	83.7	84.7	88.4	85.6	84.6	83.1	80.6	80.4	80.1	79.7	80.0	80.0	82.0	88.5	79.0
„ 3,.....	80.0	80.1	80.0	79.8	79.6	79.4	80.3	81.5	83.3	84.8	84.3	85.3	86.1	86.2	85.7	85.0	84.9	83.4	81.9	81.4	80.8	80.1	80.0	79.7	82.2	86.6	79.3
„ 4,.....	79.4	78.9	78.6	78.5	78.4	78.6	80.5	82.4	83.9	84.7	83.4	82.4	82.6	81.8	78.2	78.8	77.2	76.1	75.8	75.7	75.4	74.6	74.9	74.4	79.0	85.2	74.4
„ 5,.....	74.4	74.4	74.2	74.2	74.0	74.0	74.6	75.8	77.3	78.7	79.5	82.3	82.3	83.2	81.0	78.8	78.2	77.3	77.0	77.0	77.0	77.0	77.0	77.2	77.3	83.8	73.9
„ 6,.....	77.6	77.2	77.0	77.0	76.8	76.5	77.8	78.4	79.7	80.6	81.1	82.2	82.8	82.7	82.6	79.8	79.4	77.9	77.3	77.8	78.2	78.2	77.3	76.3	78.8	83.2	76.3
„ 7,.....	76.7	76.3	74.8	74.9	75.2	75.1	73.9	74.8	77.6	80.0	82.9	84.4	81.1	76.9	80.5	78.9	76.8	78.4	77.8	78.4	78.9	79.1	79.4	79.8	78.0	84.8	73.8
„ 8,.....	80.0	80.3	80.6	73.9	74.0	74.9	74.4	72.0	71.9	75.3	76.7	78.0	80.2	79.6	80.3	80.2	80.6	79.9	79.0	78.8	78.5	78.4	78.3	78.1	77.7	81.3	71.7
„ 9,.....	77.7	77.4	77.6	76.9	76.5	76.9	78.1	79.3	80.7	82.1	82.8	83.6	85.8	86.4	87.6	85.4	83.5	82.3	80.4	79.0	78.6	77.3	76.6	76.0	80.4	87.6	76.0
„ 10,.....	76.0	75.5	75.1	75.5	75.4	76.1	77.3	79.8	81.3	82.4	83.4	83.5	83.0	83.8	82.5	81.9	80.4	79.1	78.8	78.1	77.9	77.1	77.6	77.3	79.1	83.8	75.0
„ 11,.....	76.8	76.3	76.5	76.3	76.4	76.9	77.9	74.0	75.0	77.8	78.6	74.7	73.8	74.1	74.1	74.4	72.1	71.7	72.6	73.2	73.7	73.8	74.4	75.0	75.0	79.1	71.3
„ 12,.....	75.0	75.1	75.1	75.5	75.5	77.1	76.3	79.9	72.9	73.3	75.2	75.9	76.3	76.7	75.3	74.0	73.9	73.9	74.2	74.5	74.5	73.5	73.4	74.9	75.1	80.4	72.7
„ 13,.....	74.5	74.9	74.9	75.6	77.1	79.6	80.8	81.8	82.3	83.0	83.4	84.0	84.1	84.1	84.2	83.7	83.6	82.6	81.8	81.7	81.7	81.8	81.6	81.6	81.0	84.4	74.5
„ 14,.....	81.6	81.6	81.5	81.3	81.4	81.5	82.0	82.4	82.9	83.2	83.8	84.0	84.8	84.9	85.5	84.7	84.0	82.5	82.0	81.7	81.4	81.9	81.8	82.1	82.7	85.5	81.3
„ 15,.....	82.2	82.1	82.0	81.6	82.0	82.3	82.3	82.9	83.4	84.1	85.0	84.1	83.9	83.8	83.6	84.2	83.7	82.8	82.9	82.6	82.4	82.4	82.5	82.4	83.0	85.0	81.6
„ 16,.....	82.4	82.2	82.2	82.0	81.9	82.6	82.0	83.5	83.9	84.1	85.1	83.8	84.4	84.2	83.9	83.7	83.5	82.9	82.4	82.4	82.4	82.6	82.6	82.4	83.0	85.1	81.8
„ 17,.....	82.7	82.5	82.5	82.0	81.9	82.1	82.0	82.2	82.7	83.3	83.6	84.0	84.6	83.2	82.8	82.7	82.5	81.7	80.9	80.6	80.6	80.6	81.1	81.0	82.2	85.0	80.4
„ 18,.....	81.0	80.9	81.1	81.0	80.9	80.8	81.6	82.5	83.3	83.9	84.5	85.5	86.2	84.9	84.2	77.0	76.6	77.2	77.5	77.8	77.4	76.9	76.5	76.9	80.7	87.1	76.4
„ 19,.....	77.0	77.1	77.8	78.0	77.5	77.4	78.7	80.2	81.1	82.0	81.2	83.7	83.4	82.3	82.8	82.7	81.8	81.1	80.4	80.3	80.6	80.5	80.1	79.4	80.3	84.3	77.0
„ 20,.....	78.9	79.4	79.0	79.2	79.3	79.7	79.6	79.5	79.8	82.0	84.3	82.0	78.0	80.3	79.4	79.8	79.8	78.7	77.7	77.7	77.8	77.7	78.0	78.4	79.4	84.9	77.6
„ 21,.....	78.8	79.2	79.4	79.6	79.7	79.7	78.6	79.8	80.7	81.5	82.1	81.4	81.9	82.8	81.5	81.2	81.2	81.0	80.0	80.2	80.7	81.0	80.7	80.2	80.5	82.9	78.6
„ 22,.....	80.0	79.5	80.2	80.4	80.5	81.0	82.0	82.6	82.4	81.9	82.1	82.3	83.7	82.6	82.8	78.8	80.2	79.5	78.9	79.3	80.8	80.9	80.7	80.6	81.0	83.7	78.8
„ 23,.....	80.3	80.2	80.2	79.9	79.8	80.2	80.9	81.4	81.9	82.8	83.6	81.5	82.8	82.9	82.5	82.7	81.7	81.5	80.7	80.8	80.9	80.9	80.8	80.4	81.3	83.6	79.7
„ 24,.....	80.0	79.9	79.9	79.7	79.6	80.2	80.8	81.9	82.5	82.8	77.2	79.8	82.6	83.7	83.6	82.9	82.1	81.2	81.0	80.8	80.2	80.0	80.0	79.6	80.9	83.9	77.1
„ 25,.....	79.7	79.5	79.8	79.3	79.2	79.3	81.0	82.4	83.6	84.4	84.9	84.6	84.9	84.3	84.2	83.1	82.6	81.9	81.7	80.8	80.7	80.7	80.1	79.5	81.8	84.9	79.1
„ 26,.....	79.8	79.5	79.5	79.5	79.1	79.7	81.3	82.7	83.4	84.1	84.1	84.0	84.7	85.4	83.9	83.2	82.8	82.1	81.3	80.9	80.8	80.5	79.6	79.9	81.7	85.4	79.0
„ 27,.....	79.6	79.9	79.1	79.7	79.7	79.5	81.0	82.6	83.6	84.5	85.0	84.9	84.4	84.6	84.6	83.9	83.5	82.8	82.0	81.8	81.0	80.8	81.1	81.0	82.1	85.0	79.1
„ 28,.....	81.0	80.9	80.9	80.0	79.8	79.2	80.8	81.5	84.4	83.5	84.4	85.8	85.1	85.4	85.3	84.9	85.8	84.2	82.7	81.9	81.8	81.8	81.4	81.0	82.6	86.2	79.1
„ 29,.....	80.7	80.7	80.2	80.6	80.4	80.6	81.3	83.5	84.6	84.4	84.8	86.9	87.2	88.7	88.4	87.8	86.6	85.0	83.7	83.4	83.1	82.7	82.6	82.5	83.8	89.3	80.1
„ 30,.....	82.4	82.3	82.6	82.5	82.1	82.7	82.6	83.1	82.8	84.8	85.1	85.9	86.7	87.8	86.2	84.9	84.0	82.1	82.6	82.7	82.1	81.8	82.4	81.9	83.5	88.4	81.9
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	79.2	79.1	79.0	78.8	78.7	79.1	79.7	80.6	81.3	82.2	82.7	82.9	83.2	83.2	83.0	82.0	81.4	80.6	79.9	79.7	79.6	79.5	79.4	79.3	80.6	84.8	77.5

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF JUNE, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Sun.	Rad.
June 1,	77.2	76.8	76.8	76.3	76.6	75.7	75.9	75.9	76.6	76.3	77.9	76.5	78.3	77.0	77.3	75.1	75.6	76.8	76.2	76.0	76.0	76.6	76.5	76.3	76.5	141.2	74.4
„ 2,	76.1	75.7	76.1	76.2	76.4	77.1	77.4	78.0	77.8	77.7	78.8	78.7	77.5	77.0	78.0	77.4	78.8	78.2	75.9	76.3	76.3	76.5	76.9	76.3	77.1	149.7	74.4
„ 3,	76.5	76.8	77.2	76.6	76.4	77.2	77.7	77.6	78.0	78.8	78.2	77.2	77.8	77.7	79.0	77.5	78.9	78.7	78.6	78.0	77.7	77.0	77.5	77.4	77.7	142.7	74.4
„ 4,	77.7	77.1	77.1	76.9	76.6	76.3	76.2	76.4	77.4	77.3	76.8	76.5	76.3	76.3	74.8	74.9	74.2	73.7	73.5	73.3	73.1	72.6	72.2	71.6	75.4	141.2	72.3
„ 5,	71.4	71.1	70.7	70.4	70.1	70.2	71.0	71.4	72.5	72.9	73.2	74.9	74.0	74.9	74.3	73.4	73.5	73.4	73.3	73.1	73.0	73.0	72.7	73.0	72.6	144.2	72.4
„ 6,	73.1	72.9	72.9	72.7	72.5	72.1	72.4	71.5	72.3	72.6	72.7	73.9	75.2	75.8	74.8	73.7	74.0	73.7	73.8	74.5	74.6	75.5	75.5	75.5	73.7	142.2	72.8
„ 7,	75.6	75.4	73.6	74.0	73.9	74.3	72.8	74.0	75.7	76.8	77.3	77.6	76.4	74.1	75.8	75.6	75.1	75.8	76.3	76.1	76.2	76.6	76.4	76.7	75.5	142.3	72.1
„ 8,	77.0	76.3	76.7	72.1	73.1	73.3	72.6	70.9	70.5	73.3	74.1	75.0	75.4	75.8	76.2	76.2	76.6	76.1	75.7	75.5	75.1	75.3	75.1	75.1	74.7	127.2	69.8
„ 9,	74.5	74.8	75.2	75.4	74.7	74.5	75.1	75.6	75.1	75.3	75.9	77.5	73.2	72.7	75.0	71.8	73.0	73.3	74.6	74.4	74.7	74.8	74.5	73.8	74.6	140.4	72.3
„ 10,	74.5	74.4	74.2	73.9	74.3	74.6	75.5	75.9	76.8	76.7	77.3	76.4	75.5	74.4	73.8	75.2	76.2	74.8	73.0	73.6	74.6	74.0	74.0	74.3	74.9	137.7	70.0
„ 11,	73.9	74.3	73.8	73.4	73.7	72.3	72.9	72.8	73.7	75.8	76.2	72.2	73.3	73.6	73.2	73.5	70.0	71.2	71.6	72.0	72.1	72.8	73.1	73.8	73.1	101.1	69.9
„ 12,	73.7	74.0	73.9	74.3	74.5	75.5	75.0	78.0	71.5	72.1	72.9	74.2	73.9	74.4	73.4	73.1	73.2	73.2	73.6	73.8	73.9	73.4	73.3	74.5	73.9	97.3	70.2
„ 13,	73.9	74.3	74.5	75.0	76.5	78.2	78.7	79.0	78.9	78.9	79.0	79.0	78.8	78.6	79.1	78.8	79.0	78.2	78.3	78.1	78.1	78.2	78.3	77.8	77.8	120.7	72.0
„ 14,	77.6	77.3	77.4	77.3	77.2	77.4	77.8	77.9	77.9	78.1	78.5	79.1	79.0	78.7	78.9	79.1	78.3	77.6	77.4	77.6	77.7	77.8	78.0	77.9	78.0	143.7	78.6
„ 15,	77.9	77.9	77.9	78.1	78.1	77.7	78.6	78.4	78.5	78.8	79.5	79.0	78.8	78.7	78.6	78.6	77.8	77.7	77.4	78.1	78.0	77.8	78.0	78.4	78.3	125.7	77.7
„ 16,	78.7	78.7	78.7	78.7	78.3	77.6	78.3	79.0	78.7	78.7	79.4	78.4	78.9	78.6	78.8	79.4	78.9	78.3	77.9	78.4	78.4	78.2	77.8	78.3	78.5	127.6	77.8
„ 17,	77.8	78.1	78.0	77.7	78.1	78.1	78.4	78.9	79.7	77.9	78.1	78.2	77.6	78.5	78.8	78.5	78.6	78.4	77.9	77.7	77.8	78.1	78.0	77.7	78.2	115.0	77.8
„ 18,	77.7	78.0	77.6	77.4	77.5	77.8	78.4	78.7	78.8	79.0	78.7	79.5	78.8	79.4	78.5	73.8	72.3	73.6	74.3	74.4	74.3	74.2	74.2	74.6	76.7	146.1	73.1
„ 19,	74.9	75.3	76.3	76.9	76.6	75.8	76.9	76.2	77.8	79.1	77.8	78.3	77.5	77.6	77.5	76.5	77.2	76.2	76.1	76.6	76.8	76.4	76.4	76.5	76.8	156.2	74.2
„ 20,	76.8	77.2	77.1	76.9	76.3	76.2	76.2	77.0	76.8	78.4	79.1	78.2	75.2	76.3	76.5	76.8	77.4	77.0	76.1	76.1	76.0	75.9	75.9	76.4	76.7	144.3	74.8
„ 21,	76.9	77.3	77.1	76.9	76.9	76.9	76.5	77.0	77.7	77.5	78.0	78.2	78.2	78.8	78.6	78.3	78.5	78.4	77.7	77.7	77.7	77.9	78.2	78.5	77.7	117.9	75.5
„ 22,	77.7	77.6	77.8	78.0	77.7	77.6	78.2	78.4	78.3	78.9	78.8	78.4	78.4	78.7	78.7	75.5	75.8	76.3	77.2	77.6	77.9	77.9	77.9	78.2	77.8	142.1	76.5
„ 23,	78.4	78.6	78.5	78.3	78.3	77.9	78.4	78.4	78.4	78.8	79.3	78.0	79.6	79.8	79.3	79.6	79.4	79.3	79.0	79.1	79.2	79.4	79.1	79.1	78.9	146.3	77.5
„ 24,	79.0	78.8	78.3	78.4	78.2	77.9	78.0	78.5	78.9	78.8	76.5	77.7	79.1	79.6	78.9	79.4	79.1	79.0	78.6	78.4	78.3	78.8	78.8	78.6	78.6	138.8	76.1
„ 25,	78.7	78.6	78.4	78.2	78.0	78.0	78.9	79.3	79.4	79.6	79.9	79.6	78.9	79.5	79.4	79.1	79.2	79.3	78.9	78.9	78.9	79.0	78.9	78.4	79.0	140.3	76.0
„ 26,	78.5	78.6	78.4	78.2	78.0	78.4	78.9	79.6	77.6	79.8	79.8	79.6	79.9	79.3	79.5	79.4	79.0	78.8	78.1	78.5	78.4	78.1	78.4	77.9	78.9	140.1	75.5
„ 27,	77.5	78.2	77.4	78.0	78.2	78.3	78.8	79.2	79.3	79.8	78.8	79.5	79.5	79.5	79.5	79.6	79.5	79.6	79.6	79.3	79.3	79.3	78.6	79.0	79.0	143.7	76.5
„ 28,	79.0	79.0	78.5	78.5	78.5	78.1	78.9	79.4	79.9	79.4	79.8	79.7	79.8	80.5	79.9	80.2	79.7	79.5	78.8	78.8	78.5	78.8	78.9	79.1	79.2	147.4	77.6
„ 29,	79.0	79.0	78.7	79.2	79.4	79.6	80.0	80.0	80.0	80.0	80.1	80.9	80.7	80.8	80.9	80.9	80.8	80.3	79.4	80.1	80.1	80.1	80.0	80.0	80.0	141.7	77.0
„ 30,	79.7	79.5	79.7	80.0	79.7	80.1	80.4	80.5	80.6	80.6	80.3	80.5	80.6	80.8	80.8	80.6	80.5	79.5	79.2	80.1	79.5	80.0	80.4	80.2	80.2	142.8	79.4
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	76.7	76.7	76.6	76.5	76.5	76.5	76.8	77.1	77.2	77.6	77.8	77.7	77.5	77.6	77.6	77.1	77.0	76.9	76.6	76.7	76.7	76.8	76.8	76.8	77.0	136.3	74.6

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF JUNE, 1885.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1885.		
1 a	89	0.888	June 1,.....	78	0.844
2 „	89	0.889	„ 2,.....	79	0.866
3 „	89	0.886	„ 3,.....	81	0.890
4 „	90	0.885	„ 4,.....	84	0.833
5 „	90	0.886	„ 5,.....	79	0.739
6 „	89	0.881	„ 6,.....	78	0.764
7 „	87	0.885	„ 7,.....	89	0.850
8 „	85	0.887	„ 8,.....	86	0.821
9 „	83	0.882	„ 9,.....	75	0.780
10 „	81	0.887	„ 10,.....	81	0.810
11 „	79	0.890	„ 11,.....	90	0.790
Noon.	78	0.883	„ 12,.....	94	0.822
1 p	76	0.870	„ 13,.....	86	0.911
2 „	77	0.874	„ 14,.....	80	0.897
3 „	77	0.877	„ 15,.....	80	0.906
4 „	79	0.868	„ 16,.....	81	0.915
5 „	81	0.871	„ 17,.....	83	0.912
6 „	84	0.878	„ 18,.....	83	0.866
7 „	86	0.875	„ 19,.....	85	0.876
8 „	87	0.882	„ 20,.....	88	0.883
9 „	87	0.882	„ 21,.....	88	0.914
10 „	88	0.888	„ 22,.....	86	0.911
11 „	89	0.890	„ 23,.....	89	0.958
Midt.	89	0.891	„ 24,.....	90	0.949
			„ 25,.....	88	0.955
			„ 26,.....	88	0.952
			„ 27,.....	87	0.951
			„ 28,.....	85	0.953
			„ 29,.....	84	0.974
			„ 30,.....	86	0.988
			.....	...	...
Mean, ...	85	0.882	Mean,.....	84	0.883

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1885.														
June 1,	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.6
„ 2,	0.3	0.5	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.5	11.2
„ 3,	0.4	1.0	0.4	1.0	1.0	1.0	1.0	1.0	0.6	1.0	0.2	0.7	...	9.3
„ 4,	0.2	1.0	0.9	1.0	1.0	1.0	1.0	0.9	0.3	0.1	...	...	...	7.4
„ 5,	...	...	0.2	0.2	0.4	0.5	0.4	0.1	0.2	...	...	...	...	2.0
„ 6,	0.4	1.0	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.5	0.1	0.1	...	8.8
„ 7,	...	...	...	0.5	0.9	0.6	0.7	...	0.5	0.4	...	...	...	3.6
„ 8,	...	...	...	...	...	...	...	...	...	...	...	0.7	0.3	1.0
„ 9,	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.1	...	...	9.5
„ 10,	...	0.4	0.5	0.4	...	...	...	...	...	...	...	...	...	1.3
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	0.1	0.1	0.1	...	0.3
„ 14,	...	...	...	0.4	0.1	0.6	1.0	1.0	1.0	1.0	1.0	0.5	...	6.6
„ 15,	...	...	...	...	...	0.2	...	...	...	...	...	...	...	0.2
„ 16,	...	...	...	...	...	0.3	...	...	...	...	...	...	...	0.3
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	0.1	0.1	...	...	...	...	...	0.2
„ 19,	...	0.2	0.3	1.0	0.2	...	0.9	0.1	0.1	...	...	...	...	2.8
„ 20,	...	...	0.3	0.6	0.8	1.0	0.6	...	...	...	...	...	...	3.3
„ 21,	...	0.1	0.1	...	...	0.1	...	...	0.1	0.3	...	...	...	0.7
„ 22,	0.2	1.0	0.9	0.3	0.2	0.1	0.4	0.6	0.6	...	...	...	...	4.3
„ 23,	0.3	1.0	1.0	0.6	1.0	0.9	...	0.9	0.9	0.9	1.0	0.9	0.2	9.6
„ 24,	0.5	0.7	0.9	0.8	0.2	...	...	0.4	1.0	1.0	1.0	1.0	0.1	7.6
„ 25,	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	11.7
„ 26,	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.1	11.3
„ 27,	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	11.9
„ 28,	0.1	0.5	0.3	1.0	1.0	1.0	0.7	0.6	0.4	0.2	0.4	0.9	0.2	7.3
„ 29,	0.1	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	10.7
„ 30,	...	...	...	...	...	...	...	0.9	0.9	0.1	...	...	...	1.9
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	4.3	13.0	13.7	15.7	14.8	15.3	14.7	14.6	14.5	12.5	9.8	10.7	2.8	156.4
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF JUNE, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.
June 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·010	...	...	0·015
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·135	0·030	0·350	0·520
„ 7,	0·240	0·145	0.570	...	...	0.205	0·125	0·300	0·050	...	...	...	0·510	0·015	0·140	0·200	...	...	...	...	...	...	...	...	2·500
„ 8,	...	0·150	0·685	0·200	0·955	0·600	0.945	0·360	1·340	1·310	0·370	...	...	...	...	...	...	...	...	...	...	...	...	...	6·915
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	...	...	...	...	...	0·005
„ 11,	...	...	...	...	...	...	0·100	1·720	0·110	0·015	0·105	0·665	1·135	0·085	0·260	0·210	0·300	0·065	...	0·015	...	0·010	...	0·070	4·865
„ 12,	0·035	0·050	0·045	0·085	0·320	0·170	...	0·020	1·725	0·500	0·085	0·010	0·050	0·145	0·240	0.535	0·480	1·450	0·550	2·200	1·100	1·500	1·310	0·025	12·630
„ 13,	0.135	0·270	0·090	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·495
„ 14,	...	...	...	...	...	...	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010
„ 15,	...	...	...	...	...	...	0·015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·015
„ 16,	...	...	0·025	...	...	0·010	...	...	0·015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·050
„ 17,	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·085	0·025	...	...	...	...	...	...	...	...	0·110
„ 19,	...	...	0·025	0·150	0·015	...	...	0·040	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·230
„ 20,	...	...	...	...	0·060	...	...	...	...	...	...	...	0·195	...	0·010	0·195	0·020	0·015	...	...	...	...	...	...	0·495
„ 21,	...	...	...	...	...	...	0·415	...	0·010	...	...	0·060	...	...	0·050	0·020	...	0·010	...	...	...	...	0·030	0·030	0·625
„ 22,	0·045	...	...	...	...	...	...	...	...	...	...	...	...	...	0·020	0·015	...	...	...	...	...	...	...	...	0·080
„ 23,	...	...	...	...	...	...	...	...	...	...	...	0·230	...	...	...	...	...	...	...	...	...	...	...	...	0·230
„ 24,	...	...	...	...	...	...	...	...	...	0·550	0·875	...	...	...	...	...	...	...	...	...	...	...	...	...	1·425
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010
„ 28,	...	...	0·050	...	0·055	...	0·020	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·125
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·465	0·615	1·495	0·435	1·405	0·985	1·620	2·450	3·250	2·385	1·435	0·965	1·890	0·245	0·805	1·200	0·800	1·545	0·550	2·215	1·105	1·655	1·370	0·475	31·360

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND, FOR THE MONTH OF JUNE, 1885.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Sums.	Means.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
June 1,	17	8	17	10	17	6	17	9	20	6	20	9	20	11	20	10	22	9	20	10	18	10	21	8	17	8	22	10	21	7	18	8	17	8	17	7	14	7	17	5	18	2	18	3	17	2	17	4	177	7.4
" 2,	18	4	19	7	18	6	20	4	22	2	...	0	22	2	20	7	24	8	26	9	25	14	24	14	26	13	23	11	19	10	19	8	18	12	17	9	20	6	18	5	19	3	...	1	19	2	18	2	159	6.6
" 3,	19	4	19	6	18	5	18	6	20	4	22	5	27	5	29	6	25	7	24	10	25	12	23	14	22	11	21	13	21	12	21	10	22	5	20	5	23	4	15	3	15	3	...	1	26	3	26	3	157	6.5
" 4,	...	0	...	1	...	0	18	2	18	2	6	3	6	4	5	5	9	13	8	20	8	31	7	26	7	26	6	21	6	20	7	19	6	20	6	19	6	23	5	22	6	23	6	29	6	32	6	28	389	16.2
" 5,	6	29	6	23	6	28	6	21	7	19	6	20	7	18	7	16	7	18	7	18	7	19	8	20	8	17	9	16	9	15	9	17	8	17	8	19	8	15	7	14	7	15	7	16	7	17	6	17	444	18.5
" 6,	7	18	7	15	7	19	6	21	6	21	5	17	6	18	7	21	7	24	7	25	6	24	6	24	9	24	8	23	9	25	8	23	8	16	8	18	7	23	8	21	7	15	8	17	9	17	10	11	480	20.0
" 7,	9	18	7	14	13	19	7	10	8	12	10	10	1	7	5	5	5	10	6	9	14	12	14	13	15	20	10	5	13	5	10	5	14	4	7	5	9	8	15	7	17	7	12	6	16	11	16	13	235	9.8
" 8,	16	16	17	20	20	19	28	16	14	8	27	10	27	20	26	12	27	12	18	29	21	23	18	12	19	21	19	25	19	27	20	27	20	26	20	22	20	18	19	18	20	12	20	16	20	16	18	10	435	18.1
" 9,	17	6	18	8	21	8	24	7	26	7	27	8	25	7	24	10	24	11	24	14	24	13	23	13	26	13	25	13	23	12	22	13	22	9	23	4	24	4	17	2	28	3	24	3	27	2	27	4	194	8.1
" 10,	...	1	...	1	...	1	28	2	...	1	...	1	25	2	27	4	28	6	28	8	27	6	23	5	23	4	24	4	24	4	23	8	23	11	23	9	23	2	30	2	...	1	30	2	...	0	...	1	86	3.6
" 11,	...	1	...	1	19	2	...	0	11	4	6	7	7	11	1	9	4	7	6	6	9	9	15	18	28	12	3	4	3	8	10	12	22	12	6	6	9	14	9	21	8	18	8	24	8	24	8	27	257	10.7
" 12,	9	24	9	27	8	30	8	25	9	21	27	8	4	8	16	25	26	36	22	24	21	18	15	9	15	8	12	5	3	6	30	7	2	9	2	10	8	13	30	8	27	8	24	6	24	9	9	21	365	15.2
" 13,	8	27	8	22	8	12	10	9	10	13	15	18	15	23	16	23	17	21	16	20	17	24	18	29	18	26	18	26	17	21	16	15	16	15	16	15	16	11	17	14	16	15	16	13	17	13	17	26	441	18.4
" 14,	18	13	18	18	18	22	17	18	18	20	18	21	18	20	18	23	19	26	19	26	18	30	19	32	18	31	19	27	18	20	19	20	18	23	17	25	18	17	17	19	17	17	18	18	18	17	18	15	518	21.6
" 15,	17	22	18	23	17	23	18	23	18	19	19	18	17	22	18	20	18	26	18	25	18	31	19	31	18	32	18	30	20	29	18	28	19	23	19	18	18	17	18	14	18	16	19	13	18	18	18	19	540	22.5
" 16,	17	22	18	22	18	22	18	22	18	23	19	21	18	26	17	33	18	29	18	25	18	25	18	27	18	23	18	26	17	25	18	24	18	20	18	19	18	16	16	10	15	10	16	12	17	15	16	11	508	21.2
" 17,	18	20	16	16	17	19	18	18	18	19	17	20	18	14	17	11	16	6	18	11	17	10	18	10	18	10	15	10	16	10	16	8	15	10	15	7	15	7	14	8	9	4	10	4	15	10	13	10	272	11.3
" 18,	15	8	15	9	15	19	14	22	14	13	15	12	15	8	16	10	16	12	15	12	16	11	15	10	15	12	16	12	15	20	15	12	8	8	7	13	15	10	8	10	7	7	7	8	8	8	7	10	276	11.5
" 19,	8	13	8	11	8	8	8	10	8	14	8	13	8	14	10	16	8	20	9	20	9	22	11	22	12	24	10	22	13	17	13	18	14	18	14	14	13	10	11	9	12	15	11	17	11	14	9	12	373	15.5
" 20,	8	13	11	10	8	12	12	14	12	16	12	12	9	17	8	21	8	18	8	20	10	21	8	20	14	15	12	9	12	14	12	9	10	6	8	10	8	13	8	15	9	16	8	13	7	10	8	15	339	14.1
" 21,	8	12	8	13	9	16	7	20	7	18	7	19	9	21	9	20	8	25	7	23	7	25	9	26	7	29	9	30	8	31	9	27	9	31	9	31	9	31	9	29	8	36	9	38	9	34	10	31	616	25.7
" 22,	10	26	9	26	10	30	10	26	10	30	10	31	10	23	10	28	9	30	9	33	9	33	9	32	10	28	9	30	10	26	14	14	7	12	8	18	8	13	7	12	10	18	10	20	10	18	9	18	575	24.0
" 23,	11	14	10	15	8	19	8	19	8	18	9	21	8	22	9	24	9	25	8	24	9	26	10	22	9	30	9	29	9	27	9	26	9	24	9	20	8	21	8	19	9	19	8	18	8	19	8	20	521	21.7
" 24,	8	16	8	20	8	15	9	11	8	12	8	14	8	16	8	13	9	13	8	20	20	3	23	2	9	17	9	20	10	21	10	20	9	18	10	14	9	12	9	10	8	8	8	8	8	8	10	10	321	13.4
" 25,	9	9	8	9	7	5	7	5	7	5	8	3	8	3	10	4	10	6	10	10	10	16	9	16	8	19	8	20	8	15	7	14	7	14	8	12	9	10	10	8	9	8	9	5	9	5	8	6	227	9.5
" 26,	7	6	8	6	8	5	6	5	...	1	...	1	9	4	9	9	9	13	8	14	8	14	9	18	9	18	7	18	8	18	8	17	9	16	8	16	9	9	8	8	9	6	8	3	9	6	10	2	233	9.7
" 27,	10	5	7	5	3	5	12	3	12	2	...	1	12	2	7	4	9	8	9	15	9	17	9	17	8	18	8	18	8	16	8	15	8	14	8	14	8	14	9	12	9	12	10	12	12	10	10	6	245	10.2
" 28,	6	4	8	6	12	3	9	4	8	6	6	3	4	6	10	7	28	5	27	7	27	5	28	8	28	10	28	6	8	3	29	3	15	2	...	1	15	7	15	5	16	3	...	1	16	2	16	3	110	4.6
" 29,	7	3	7	2	7	4	4	4	30	4	30	5	25	5	23	8	26	7	26	10	25	11	24	9	25	9	22	10	22	9	21	7	22	10	22	5	19	2	...	1	16	2	10	4	32	3	...	1	135	5.6
" 30,	...	1	32	4	28	5	21	9	24	7	20	10	23	8	21	10	25	6	27	5	23	6	24	8	23	6	23	6	23	14	23	8	8	6	10	3	10	4	23	4	23	3	23	2	10	2	10	2	139	5.8
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	363	...	370	...	387	...	365	...	347	...	341	...	367	...	414	...	457	...	502	...	521	...	515	...	534	...	499	...	487	...	442	...	419	...	388	...	361	...	335	...	325	...	333	...	347	...	348	9767	407.0
Hourly Means,	...	12.1	...	12.3	...	12.9	...	12.2	...	11.6	...	11.4	...	12.2	...	13.8	...	15.2	...	16.7	...	17.4	...	17.2	...	17.8	...	16.6	...	16.2	...	14.7	...	14.0	...	12.9	...	12.0	...	11.2	...	10.8	...	11.1	...	11.6	...	11.6	325.6	13.6

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR JUNE, 1885.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	0.4	7.4	4.6	0.5	— 4.2	+ 6.9	E 31° S
2 „	0.4	7.2	4.6	1.1	4.2	6.0	E 35° S
3 „	0.6	7.1	5.3	1.4	4.8	5.7	E 40° S
4 „	1.1	6.6	4.6	1.8	3.6	4.7	E 37° S
5 „	0.4	6.7	4.2	1.7	3.8	5.0	E 37° S
6 „	1.5	5.1	4.4	2.4	2.9	2.7	E 47° S
7 „	1.4	5.8	4.1	2.3	2.7	3.5	E 37° S
8 „	0.9	6.1	5.9	2.3	5.0	3.8	E 53° S
9 „	1.4	7.5	3.6	4.3	2.2	3.1	E 35° S
10 „	0.9	8.4	4.9	4.4	4.0	4.1	E 44° S
11 „	0.5	8.4	6.0	4.3	5.5	4.1	E 53° S
Noon.	0.5	7.8	6.2	4.9	5.8	2.9	E 63° S
1 p.	0.8	8.1	7.0	4.1	6.2	4.0	E 57° S
2 „	0.5	8.6	5.4	4.3	5.0	4.3	E 49° S
3 „	0.6	8.1	6.6	3.5	6.0	4.6	E 52° S
4 „	0.3	7.1	6.2	3.4	5.9	3.7	E 58° S
5 „	0.5	7.0	5.0	3.2	4.5	3.8	E 50° S
6 „	0.6	7.3	4.3	1.8	3.8	5.5	E 35° S
7 „	0.3	7.6	3.7	1.5	3.4	6.1	E 29° S
8 „	0.8	6.7	3.7	0.9	2.9	5.8	E 26° S
9 „	0.5	7.0	3.3	0.9	2.8	6.0	E 25° S
10 „	0.4	7.5	3.1	1.3	2.7	6.2	E 24° S
11 „	0.6	7.0	4.0	1.3	3.4	5.7	E 31° S
Midt.	0.7	7.6	3.8	0.7	— 3.2	+ 6.9	E 25° S
Mean,.....	0.7	7.2	4.8	2.4	—4.1	+ 4.	E 41° S

TABLE IX.

DIRECTION AND FORCE OF THE WIND AT VICTORIA PEAK, AND SEA DISTURBANCE.

Date.	4 a.			10 a.			4 p.			10 p.		
	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.
1885.												
June, 1,.....	...	...	2	S	4	2	S	4	1	S	4	1
„ 2,.....	...	...	2	S	4	2	S	4	1	S	4	1
„ 3,.....	...	...	2	S	4	1	S	4	1	S	4	1
„ 4,.....	...	...	1	S	4	3	E	4	4	E	6	5
„ 5,.....	...	...	5	E	4	4	E	4	5	E	4	4
„ 6,.....	...	...	2	E	4	2	E	5	2	ESE	4	2
„ 7,.....	...	...	2	S	4	2	S	4	2	S	5	2
„ 8,.....	...	...	2	S	7	3	S	6	3	S	6	2
„ 9,.....	...	...	2	W	3	1	W	4	1	W	4	1
„ 10,.....	...	...	1	SW	3	0	NW	4	1	SW	4	1
„ 11,.....	...	...	0	SW	4	1	S	5	1	SE	6	1
„ 12,.....	...	...	2	SW	4	1	S	4	2	ESE	6	1
„ 13,.....	...	...	3	S	6	4	SSW	5	4	SSW	5	3
„ 14,.....	...	...	3	S	6	3	S	6	3	S	6	3
„ 15,.....	...	...	3	S	6	4	S	6	4	S	6	4
„ 16,.....	...	...	3	S	6	3	S	6	3	S	5	3
„ 17,.....	...	...	3	S	5	3	S	4	3	S	4	3
„ 18,.....	...	...	2	S	5	2	S	6	2	S	6	1
„ 19,.....	...	...	2	S	4	2	SE	5	3	S	5	3
„ 20,.....	...	...	2	ESE	4	2	S	4	2	SSE	4	2
„ 21,.....	...	...	3	ESE	5	3	ESE	5	3	ESE	5	4
„ 22,.....	...	...	4	ESE	5	3	SSE	5	2	SE	5	3
„ 23,.....	...	...	3	ESE	5	3	ESE	5	3	ESE	5	3
„ 24,.....	...	...	2	E	4	0	E	4	2	E	4	0
„ 25,.....	...	...	1	E	2	1	ESE	4	0	ESE	4	0
„ 26,.....	...	...	2	E	3	2	ESE	3	2	ESE	3	0
„ 27,.....	...	...	2	SE	3	2	SE	3	2	SE	3	1
„ 28,.....	...	...	1	S	4	1	S	4	1	S	4	0
„ 29,.....	...	...	2	W	4	*2	SW	5	*2	SW	5	2
„ 30,.....	...	...	2	S	4	2	W	4	0	NW	4	0
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	...	...	2.2	S 13° E	4.3	2.1	S 15° E	4.5	2.2	S 20° E	4.7	1.9

* Interpolated.

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1885.	ins.	ins.	ins.	°	°	°	°		°	°
June 1,.....	28.120	28.073	28.057	74.4	75.4	73.6	137.0	76.9	70.4	70.5
" 2,.....	.088	.056	.059	74.8	75.4	73.2	142.0	76.5	70.6	70.5
" 3,.....	.057	.012	.081	75.0	75.8	75.2	138.6	76.3	70.8	70.3
" 4,.....	.121	.065	.092	77.4	74.0	72.4	137.0	77.4	71.2	68.5
" 5,.....	.135	.095	.083	70.8	73.0	71.2	139.0	76.9	69.0	68.5
" 6,.....	.098	.047	.060	72.6	73.2	72.6	136.0	74.3	69.0	69.5
" 7,.....	28.003	27.936	27.896	72.8	72.6	71.0	131.0	74.5	70.0	68.5
" 8,.....	27.902	27.873	27.908	72.2	71.8	70.8	112.0	73.5	69.0	68.5
" 9,.....	28.040	27.989	28.040	72.2	75.9	72.8	136.0	77.3	70.0	68.3
" 10,.....	28.047	28.011	28.038	73.9	74.2	72.8	130.8	74.6	71.0	69.7
" 11,.....	28.006	27.959	27.985	72.6	71.0	69.8	90.0	73.5	69.8	66.5
" 12,.....	28.039	27.998	28.000	70.8	71.2	70.8	86.4	74.3	69.8	67.7
" 13,.....	28.055	28 019	28.050	74.6	74.8	75.4	97.0	76.9	70.8	68.5
" 14,.....	28.077	27.984	27.996	75.6	74.8	74.8	112.2	76.7	74.0	74.5
" 15,.....	28.025	27.951	27.931	75.6	75.8	75.8	90.0	76.9	73.0	73.9
" 16,.....	27.968	27.951	27.959	75.2	75.6	74.8	97.6	76.1	74.0	73.1
" 17,.....	28.045	28.014	28.020	75.0	75.0	74.4	96.2	75.9	74.0	75.5
" 18,.....	28.036	27.979	28.021	75.8	72.8	73.6	136.2	76.1	72.0	68.9
" 19,.....	28.017	27.970	27.993	74.0	74.0	73.6	120.4	75.3	73.0	72.9
" 20,.....	27.987	27.961	27.997	74.0	73.6	73.6	117.6	75.5	71.2	70.9
" 21,.....	27.979	27.940	27.955	74.0	74.8	74.6	125.0	75.3	73.0	72.7
" 22,.....	27.992	27.967	27.991	75.6	73.6	74.8	128.6	76.5	73.4	71.3
" 23,.....	28.018	27.973	28.007	74.8	76.6	75.2	131.4	78.1	72.4	73.1
" 24,.....	28.002	27.962	27.993	75.6	76.6	75.6	131.6	76.7	74.0	72.9
" 25,.....	27.990	27.956	27.963	77.0	77.8	76.2	145.2	78.9	74.8	73.3
" 26,.....	.961	.906	.933	77.6	78.9	76.2	145.0	80.3	74.0	72.9
" 27,.....	.931	.905	.927	77.0	77.8	76.0	134.0	79.3	75.0	73.7
" 28,.....	.948	.898	.906	75.8	76.8	76.8	149.0	79.5	74.8	75.3
" 29,.....	.894	.848	.846	77.6	77.8	76.8	141.0	79.5	74.8	74.1
" 30,.....	.848	.809	.843	78.0	79.8	78.4	145.0	81.3	76.8	74.5
.....	...	...	...	...	...	...	...	...	...	...
Mean,.....	28.014	27.970	27.988	74.7	75.0	74.1	125.3	76.7	72.2	71.3

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND AT VICTORIA PEAK.

Date. 1885.	Relative Humidity.						Tension of Aqueous Vapour.					
	Observatory.			Victoria Peak.			Observatory.			Victoria Peak.		
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.
June 1,.....	73	61	87	89	87	85	0.819	0.736	0.875	0.760	0.771	0.701
" 2,.....	72	67	86	95	92	88	.857	.831	.871	.818	.811	.721
" 3,.....	76	70	87	95	89	94	.905	.843	.888	.824	.798	.821
" 4,.....	70	82	90	86	95	99	.839	.814	.775	.818	.798	.785
" 5,.....	75	76	82	93	89	93	.733	.752	.759	.698	.723	.708
" 6,.....	67	74	88	94	88	94	.695	.750	.848	.752	.721	.752
" 7,.....	86	86	89	98	96	95	.880	.842	.883	.788	.771	.718
" 3,.....	90	82	86	99	98	98	.794	.851	.836	.780	.769	.744
" 9,.....	72	49	89	88	63	86	.786	.598	.830	.696	.563	.688
" 10,.....	76	72	86	80	81	81	.843	.784	.800	.675	.686	.652
" 11,.....	91	95	95	95	94	95	.866	.815	.795	.760	.710	.697
" 12,.....	94	95	100	99	96	96	.774	.804	.823	.751	.739	.729
" 13,.....	83	79	85	99	100	97	.933	.921	.918	.846	.860	.852
" 14,.....	79	77	83	97	100	100	.895	.920	.898	.856	.860	.860
" 15,.....	78	77	81	99	99	99	.914	.904	.892	.874	.880	.880
" 16,.....	77	82	81	99	100	100	.910	.947	.907	.863	.883	.860
" 17,.....	77	82	89	100	99	98	.884	.919	.930	.866	.862	.832
" 18,.....	79	85	87	95	98	90	.926	.793	.810	.855	.788	.754
" 19,.....	87	74	82	99	99	95	.957	.830	.856	.833	.833	.794
" 20,.....	85	87	92	99	97	95	.924	.883	.872	.829	.802	.794
" 21,.....	83	87	87	99	100	95	.890	.931	.915	.829	.860	.821
" 22,.....	87	85	87	95	90	94	.949	.839	.917	.841	.747	.810
" 23,.....	83	87	93	98	94	92	.932	.970	.985	.843	.862	.806
" 24,.....	83	85	95	98	95	95	.932	.958	.970	.866	.878	.849
" 25,.....	80	83	92	95	91	94	.948	.941	.970	.890	.864	.850
" 26,.....	82	84	89	95	89	84	.961	.954	.931	.908	.883	.761
" 27,.....	80	82	93	94	87	90	.956	.954	.982	.876	.822	.804
" 28,.....	83	80	87	93	93	91	.950	.968	.946	.831	.860	.834
" 29,.....	81	73	89	95	94	91.	.966	.963	.994	.900	.898	.834
" 30,.....	82	82	92	97	91	95	.989	.988	1.001	.930	.924	.934
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	80	79	88	95	93	93	0.887	0.867	0.889	0.822	0.808	0.788

TABLE XII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1885.												
June 1, ...	6	cum.	SSW	4	cum.	SSW	1	cum.	WSW	2	c. / cum.	WSW / WSW
„ 2, ...	6	cum.	WSW	3	cum.	WSW	3	cum.	WSW	3	c-str. / cum.	WSW
„ 3, ...	6	c-str. / cum.	WSW	3	cum.	WSW	8	cum.	WSW	7	c-str. / cum.	NE / WSW
„ 4, ...	4	c-str. / c-cum.	NNE	3	c-str.	NE	0	...	...	4	cum-str. / cum.	E
„ 5, ...	10	nim.	ENE	9	cum.	ENE	10	R-cum.	E	10	sm-cum. / cum.	WNW / SE
„ 6, ...	10	cum-nim.	E	4	cum.	E	5	c-cum. / cum.	E	2	c-cum. / cum.	W / E
„ 7, ...	10	nim.	...	10	nim.	SE	10	nim.	S	9	cum-nim.	S
„ 8, ...	10	nim.	SW	10	nim.	SW	10	nim.	...	10	nim.	SW
„ 9, ...	8	cum.	WSW	5	cum.	SW	1	c-cum.	W	2	c-cum. / cum.	W / WNW
„ 10, ...	1	str.	...	8	str.	SW	8	sm-cum.	W	10	str. / sm-cum.	W
„ 11, ...	10	cum.	...	10	cum.	W	10	nim.	SSE	10	nim.	SSE
„ 12, ...	10	nim.	...	10	nim.	W	10	nim.	...	10	nim.	...
„ 13, ...	10	nim.	...	10	nim.	SW	10	cum-nim.	S	10	cum-nim.	SSW
„ 14, ...	8	cum.	SSW	9	cum.	SW	10	cum-nim.	SSW	10	cum. / cum-nim.	SW
„ 15, ...	10	cum.	SW	9	str.	SW	10	cum-nim.	SW	10	sm-cum. / R-cum.	W / SW
„ 16, ...	10	nim.	SW	10	nim.	SW	10	cum-nim.	SW	10	cum-nim.	SSW
„ 17, ...	10	nim.	S	10	cum-nim.	SSW	10	cum-nim.	SSW	10	cum-nim.	SSW
„ 18, ...	10	cum.	SSW	10	cum.	SSW	10	R-cum.	SSW	10	str. / cum.	S
„ 19, ...	1	cum.	...	10	nim.	S	10	cum-nim.	...	10	sm-cum. / cum-nim.	W / SSW
„ 20, ...	8	c-cum. / cum.	SE	7	cum.	SE	8	c-cum. / cum.	SE	7	c-cum. / cum.	SE
„ 21, ...	9	c-cum. / cum.	SE	6	cum.	SE	10	cum-nim.	ESE	10	cum-nim.	ESE
„ 22, ...	10	cum.	ESE	6	cum.	SE	7	c-cum. / cum.	ESE	9	cum.	ESE
„ 23, ...	8	cum-str.	SE	5	cum.	SE	8	cum.	ESE	7	cum.	ESE
„ 24, ...	3	cum.	SE	5	cum.	SE	6	cum.	ESE	8	nim.	E
„ 25, ...	3	c-str. / cum.	SE / SE	6	cum.	SE	3	c. / cum.	E / ESE	2	c. / cum.	ENE / ENE
„ 26, ...	3	c-str. / cum.	SE	4	cum.	ESE	2	c. / cum.	ESE	2	c-str. / cum.	E
„ 27, ...	4	c-str. / sm-cum. / cum.	ENE / SE / E	6	c-cum. / cum.	SE	4	c-str. / cum.	ENE / ESE	4	cum.	SSW
„ 28, ...	7	cum.	SE	6	cum.	S	10	cum-nim.	SSE	4	c. / cum.	NE / S / ENE
„ 29, ...	7	c-cum. / cum.	SSW	6	cum.	SSW	4	c-cum. / cum.	SSW	3	c-str. / cum.	SW / W
„ 30, ...	10	sm-cum. / cum.	SE / E	7	cum.	...	10	cum.	ESE	9	str. / sm-cum. / cum.	NE / W
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	7.4	...	...	7.0	...	...	7.3	...	...	7.1	...	...

TABLE XII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Daily and Monthly Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1885.													
June 1,.....	5	cum.	WSW	1	c. / cum.	WSW	2	c-str. / cum.	WSW	4	c-str. / cum.	WSW	3.1
" 2,.....	3	sm-cum. / cum.	WSW	0	...	...	0	...	...	0	...	...	2.3
" 3,.....	8	c-str. / cum.	NNE / WSW	9	c-str.	N	10	c-str.	N	2	str.	...	6.6
" 4,.....	7	c-cum. / cum.	N / E	10	nim.	E	10	cum-nim.	E	10	nim.	E	6.0
" 5,.....	9	sm-cum. / cum.	WNW / ESE	9	sm-cum. / cum.	WNW / E	9	cum.	E	1	cum.	E	8.4
" 6,.....	8	c-cum. / cum.	W / E	10	c-cum. / cum.	W / ESE	10	cum.	ESE	10	nim.	...	7.4
" 7,.....	10	nim.	S	10	nim.	SSW	5	c-str. / cum-nim.	SSW	5	cum-nim.	SSW	8.6
" 8,.....	10	str. / nim.	SW	10	str. / cum-nim.	SW / WSW	8	c-str. / cum.	W	2	cum.	W	8.7
" 9,.....	2	c-str.	WNW	9	c-str.	WNW	10	str.	...	1	str.	...	4.8
" 10,.....	10	str.	...	10	str. / sm-cum.	WSW	10	str.	...	10	str.	...	8.4
" 11,.....	10	nim.	...	10	nim.	SSW	10	str. / cum-nim.	SW	10	str. / nim.	WSW	10.0
" 12,.....	10	nim.	SSW	10	nim.	...	10	nim.	...	10	nim.	...	10.0
" 13,.....	10	cum-nim.	SSW	10	cum. / cum-nim.	WSW / SSW	10	cum.	SSW	8	cum.	SSW	9.8
" 14,.....	7	c-cum. / sm-cum. / R-cum.	.... / WSW / SW	6	c-cum. / cum.	WNW / SW	9	sm-cum. / cum.	W / SW	8	cum.	SW	8.4
" 15,.....	10	str. / R-cum.	SW	10	str. / R-cum.	SW	10	cum.	SW	7	cum.	SW	9.5
" 16,.....	10	cum-nim.	SSW	10	cum-nim.	SSW	10	cum-nim.	SSW	10	cum-nim.	SSW	10.0
" 17,.....	10	str. / cum-nim.	S	10	str. / cum-nim.	SSW	10	str. / cum-nim.	SSW	10	str. / cum.	SSW	10.0
" 18,.....	10	c-str. / cum.	S	10	nim.	S	10	str.	...	7	c-str.	SE	9.6
" 19,.....	10	sm-cum. / cum.	SSE	10	sm-cum. / cum-nim.	N / SSE	9	sm-cum. / cum.	NNE / SE	10	sm-cum. / cum.	NNE / SE	8.8
" 20,.....	10	str. / nim.	SSE	10	c-cum. / nim.	SE	10	nim.	SE	5	c-cum. / cum.	S / SE	8.1
" 21,.....	10	c-cum. / cum-nim.	ESE	10	c-cum. / cum-nim.	ESE	10	c-str. / nim.	ESE	10	cum-nim.	ESE	9.4
" 22,.....	10	c-str. / cum. / nim.	.... / ESE / ESE	10	str. / nim. / c-cum.	ESE / SE	9	c-str. / cum.	ESE	8	c-str. / cum.	ESE	8.6
" 23,.....	6	c-str. / cum.	ESE	10	cum. / cum.	S / ESE	4	c-str. / cum.	SE / ESE	8	cum.	ESE	7.0
" 24,.....	9	cum.	S	4	c-str. / cum.	E / ESE	4	cum.	ESE	3	cum.	ESE	5.3
" 25,.....	2	c. / cum.	ESE	2	c. / cum.	E / E	1	c.	E	1	cum.	ESE	2.5
" 26,.....	2	c-str. / cum.	ENE / ESE	7	c-str.	NE	10	c-str.	ENE	10	c-str.	ENE	5.0
" 27,.....	1	cum.	SSE	5	c-str. / cum.	NE / ESE	4	c-str.	ENE	10	c-str. / cum.	ESE	4.8
" 28,.....	7	c. / cum.	S	6	cum.	WSW	4	c-str.	...	1	cum.	SSW	5.6
" 29,.....	6	c-str. / cum.	NE / W	5	c-str. / cum.	NE / W	10	c-str.	...	10	c-str. / sm-cum.	ENE	6.4
" 30,.....	8	c-cum. / sm-cum.	ENE / E	10	str. / nim.	ENE	10	str. / cum.	NE	10	str. / cum.	NNE	9.3
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	7.7	...	...	8.1	...	...	7.9	...	...	6.7	...	...	7.4

TABLE XIII.

RAINFALL AT DIFFERENT STATIONS.

Date.	Observatory.		Stone Cutters' Island.	Victoria Peak.
	Amount.	Duration.	Amount.	Amount.
1885.	ins.	hrs.	ins.	ins.
June 1,.....	...	...	...	...
„ 2,.....	...	...	...	...
„ 3,.....	...	...	...	...
„ 4,.....	0.015	3	...	0.13
„ 5,.....	0.005	1	1.20	...
„ 6,.....	2.150	8	...	1.18
„ 7,.....	7.410	8	5.20	5.85
„ 8,.....	0.370	1	...	0.76
„ 9,.....	...	...	...	...
„ 10,.....	1.950	4	0.98	1.35
„ 11,.....	5.825	20	6.92	6.46
„ 12,.....	10.220	17	9.09	14.50
„ 13,.....	0.010	1	0.05	...
„ 14,.....	0.015	1	0.03	...
„ 15,.....	0.050	2	0.02	0.22
„ 16,.....	0.010	1	0.01	0.10
„ 17,.....	...	...	...	...
„ 18,.....	0.340	3	0.66	0.50
„ 19,.....	0.060	1	0.01	...
„ 20,.....	0.860	5	0.56	0.36
„ 21,.....	0.245	3	0.58	0.18
„ 22,.....	0.035	1	0.04	...
„ 23,.....	0.230	1	0.01	0.24
„ 24,.....	1.425	1	1.18	1.30
„ 25,.....	...	...	...	...
„ 26,.....	0.010	0	..	0.45
„ 27,.....	0.125	2	0.20	...
„ 28,.....	...	...	...	...
„ 29,.....	...	...	...	...
„ 30,.....	...	...	...	...
.....	...	...	...	...
Total,.....	31.360	84	26.74	33.58

W. Doberck,
Government Astronome

Hongkong Observatory, 5th October, 1885.

HONGKONG OBSERVATORY.

Weather Report for July, 1885.

In the *China Coast Meteorological Register*, based on information transmitted by the Great Northern and the Eastern Extension Telegraph Companies, which was daily published, is given a summary of the atmospheric circumstances in Luzon and along the Coast of China. It also contains information concerning the weather in Nagasaki and Wladivostock.

Unusual visibility was noted on the 15th, the 16th, the 18th, the 21st and the 24th.

Dew fell on the 14th, the 15th, the 16th, the 25th and the 26th.

Fog occurred at sea level in the morning on the 28th. Great haziness was noticed at 10 a. on the 20th but during this month there was generally more or less haziness at sea level in the early morning hours.

Solar halos were observed on the 4th, the 11th, the 14th, the 19th and the 20th.

Lunar halos were observed on the 18th, the 19th, the 20th, the 22nd, the 24th, the 25th, the 26th, the 27th and the 28th.

Lunar coronas were observed on the 20th and the 21st.

A rainbow was seen at 6.30 p. on the 28th.

Thunder and faint lightning were noted on the 1st, and faint lightning in the evening on the 3rd, the 4th and the 5th.

Rain fell in sharp squalls about 10 a. on the 6th, and between 9 p. and 10.30 p. a thunderstorm passed W of the Observatory from SW to NE (nearest about 15 s.).

Faint lightning was seen in the afternoon on the 10th and the 12th.

Lightning was seen on the East in the afternoon on the 22nd and during the following night.

Thunder and Lightning were observed on the 23rd throughout the day.

Between 7 a. and 10.30 a. on the 25th, a moderate thunderstorm passed from SW to NE. It was nearest (12 s.) between 8 a. and 9 a.

Lightning was seen on the afternoons of the 27th and the 28th and in the evening on the 30th.

The Total Distance travelled by, as well as the Duration and average Velocity of Winds from different quarters were as follows:—

Direction.	*Total Distance.* Miles.	*Duration.* Hours.	*Velocity.* Miles per hour.
N	53	17	3.1
NE	101	21	4.8
E	1869	177	10.6
SE	426	46	9.3
S	1951	139	14.0
SW	2576	145	17.8
W	923	109	8.5
NW	329	52	6.3
Calm	32	38	0.8

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF JULY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
July 1, ...	29.491	29.479	29.472	29.476	29.485	29.487	29.495	29.505	29.522	29.529	29.522	29.511	29.515	29.509	29.500	29.496	29.495	29.496	29.514	29.545	29.559	29.582	29.579	29.576	29.514
„ 2, ...	.561	.560	.539	.541	.546	.555	.563	.567	.582	.613	.641	.629	.620	.578	.565	.542	.551	.556	.562	.583	.598	.600	.604	.596	.577
„ 3, ...	.563	.551	.532	.533	.529	.539	.544	.540	.552	.555	.557	.540	.523	.513	.492	.484	.474	.473	.485	.509	.516	.526	.522	.510	.523
„ 4, ...	.487	.476	.470	.466	.463	.464	.489	.505	.522	.531	.530	.546	.539	.546	.549	.537	.532	.545	.565	.581	.599	.605	.623	.619	.533
„ 5, ...	.603	.596	.589	.589	.589	.603	.609	.629	.649	.640	.639	.640	.636	.612	.612	.616	.621	.623	* .633	* .647	* .655	.661	.655	.651	.625
„ 6, ...	.649	.643	.635	.636	.625	.634	.643	* .649	* .656	.657	.634	.646	.630	.613	.597	.601	.587	.572	.607	.627	.644	.652	.668	.651	.631
„ 7, ...	.645	.631	.631	.625	.633	.649	.663	.680	.688	.691	.693	.693	.673	.658	.654	.652	.654	.657	.675	.680	.692	.699	.700	.677	.666
„ 8, ...	.667	.660	.655	.661	.669	.688	.703	.720	.735	.737	.746	.740	.720	.701	.689	.677	.680	.684	.692	.710	.726	.746	.744	.732	.703
„ 9, ...	.713	.701	.700	.702	.710	.728	.746	.746	.750	.750	.752	.736	.721	.697	.682	.678	.661	.661	.673	.686	.700	.716	.718	.707	.710
„ 10, ...	.703	.682	.667	* .665	.663	.666	.684	.704	.712	.713	.705	.684	.671	.659	.640	.634	.628	.636	.661	.674	.701	.724	.736	.722	.681
„ 11, ...	.708	.695	.689	.687	.686	.705	.720	.736	.742	.746	.755	.749	.735	.736	.725	.721	.739	.755	.772	.788	.810	.830	.831	.807	.744
„ 12, ...	.793	.789	.790	.796	.802	.822	.835	.853	.862	.882	.877	.872	.858	.828	.818	.817	.811	.819	.828	.844	.860	.881	.877	.862	.837
„ 13, ...	.843	.824	.825	.825	.827	.846	.853	.861	.871	.880	.877	.866	.852	.839	.834	.815	.815	.819	.830	.850	.850	.855	.848	.841	.844
„ 14, ...	.836	.825	.815	.810	.809	.813	.821	.824	.827	.822	.822	.816	.788	.771	.750	.738	.733	.735	.741	.754	.765	.774	.765	.765	.788
„ 15, ...	.748	.737	.735	.734	.736	.751	.765	.769	.772	.773	.767	.750	.741	.719	.704	.686	.675	.665	.667	.677	.679	.690	.690	.674	.721
„ 16, ...	.660	.648	.638	.644	.653	.669	.673	.679	.681	.678	.668	.656	.637	.609	.597	.574	.561	.557	.556	.557	.572	.580	.582	.585	.621
„ 17, ...	.580	.575	.562	.568	.563	.557	.563	.573	.565	.564	.555	.542	.524	.517	.506	.490	.492	.494	.504	.521	.530	.548	.549	.549	.541
„ 18, ...	.553	.551	.543	.544	.549	.555	.556	.556	.561	.561	.565	.559	.538	.531	.517	.508	.499	.496	.507	.522	.530	.547	.551	.557	.540
„ 19, ...	.555	.554	.558	.557	.557	.564	.574	.580	.588	.590	.588	.567	.567	.547	.535	.524	.512	.522	.545	.562	.578	.589	.586	.586	.562
„ 20, ...	.579	.573	.570	.576	.588	.595	.599	.609	.617	.614	.610	.604	.592	.572	.561	.547	.573	.578	.607	.611	.626	.653	.649	.643	.598
„ 21, ...	.628	.615	.599	.608	.607	.628	.636	.649	.653	.655	.650	.634	.615	.599	.583	.571	.568	.577	.600	.624	.641	.650	.641	.628	.619
„ 22, ...	.612	.599	.579	.572	.575	.588	.589	.594	.601	.609	.601	.589	.563	.541	.523	.511	.513	.518	.535	.552	.569	.584	.579	.573	.570
„ 23, ...	.548	.551	.527	.527	.536	.550	.565	.579	.591	.589	.583	.563	.538	.520	.513	.506	.508	.510	.533	.557	.584	.601	.595	.579	.552
„ 24, ...	.575	.569	.563	.572	.574	.581	.583	.600	.601	.608	.600	.597	.592	.566	.552	.544	.538	.556	.540	.565	.610	.615	.613	.609	.580
„ 25, ...	.594	.580	.584	.588	.589	.593	.609	.640	.658	.667	.639	.621	.610	.600	.583	.559	.555	.569	.580	.604	.620	.639	.640	.639	.607
„ 26, ...	.623	.612	.594	.594	.591	.608	.612	.635	.642	.648	.663	.651	.641	.628	.580	.587	.580	.566	.551	.560	.595	.626	.647	.644	.612
„ 27, ...	.624	.602	.589	.587	.587	.598	.611	.616	.621	.628	.624	.608	.594	.570	.544	.537	.542	.562	.576	.598	.619	.640	.629	.621	.597
„ 28, ...	.604	.595	.584	.579	.579	.595	.617	.621	.635	.627	.629	.625	.612	.590	.592	.565	.571	.580	.601	.612	.623	.623	.621	.604	.604
„ 29, ...	.601	.583	.564	.567	.574	.576	.580	.595	.604	.611	.595	.576	.565	.555	.547	.536	.529	.528	.535	.547	.548	.552	.553	.540	.565
„ 30, ...	.533	.528	.496	.500	.498	.499	.500	.508	.515	.509	.502	.489	.492	.478	.475	.468	.482	.489	.497	.507	.531	.533	.543	.525	.504
„ 31, ...	.508	.491	.492	.485	.489	.504	.526	.541	.548	.568	.556	.557	.557	.552	.544	.546	.547	.557	.563	.581	.607	.618	.618	.607	.548
Hourly Means, ...	29.625	29.615	29.606	29.607	29.609	29.620	29.630	29.641	29.649	29.653	29.650	29.641	29.628	29.611	29.599	29.589	29.588	29.592	29.604	29.620	29.637	29.650	29.650	29.641	29.623

* Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF JULY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
July 1,	81.7	81.5	80.9	80.4	80.4	80.3	81.7	81.7	83.9	84.2	86.2	84.5	83.8	82.6	84.3	83.7	82.8	81.8	81.0	80.8	80.9	81.8	81.0	80.8	82.2	86.2	80.2
„ 2,	81.0	80.7	80.4	80.1	80.7	78.7	79.9	82.3	76.7	76.2	76.6	78.4	76.0	77.0	79.0	79.7	80.0	79.3	78.9	78.7	79.0	78.8	79.2	81.8	79.2	82.4	75.2
„ 3,	82.8	81.3	82.1	82.2	†82.0	†82.0	82.5	†82.7	†83.2	84.6	84.4	84.5	83.8	84.1	83.7	83.8	83.4	82.9	83.3	83.0	82.9	82.9	82.7	82.6	83.1	84.7	81.1
„ 4,	82.0	82.0	81.7	81.6	81.4	81.5	79.8	79.5	80.8	81.0	82.3	83.0	83.3	82.0	83.0	82.8	82.4	81.6	*80.9	*80.2	*79.4	78.7	*79.2	*79.8	81.2	83.3	78.7
„ 5,	80.3	*80.1	*79.9	*79.8	*79.6	*79.4	79.2	*78.0	*76.8	75.7	*76.2	76.8	77.5	79.6	81.7	78.5	78.1	77.5	*77.8	*78.1	*78.4	78.7	*78.8	*78.8	78.6	81.7	75.7
„ 6,	78.9	*79.1	*79.4	*79.6	*79.9	*80.1	80.4	*78.2	*76.0	73.9	78.3	80.9	81.1	81.8	82.5	81.8	82.0	81.4	80.9	81.6	82.1	82.3	82.6	82.3	80.3	82.6	73.9
„ 7,	81.9	81.9	81.9	81.8	81.9	81.9	82.0	82.3	82.8	84.1	84.6	84.0	83.8	84.5	83.7	83.7	83.4	82.7	82.7	82.3	82.3	82.4	82.1	82.1	82.8	84.6	81.7
„ 8,	81.7	81.7	81.7	81.6	81.7	81.7	81.8	83.1	83.4	84.0	84.2	85.0	84.2	85.2	85.0	85.3	84.1	84.7	82.7	82.3	82.1	81.8	81.6	81.6	83.0	85.3	81.5
„ 9,	81.4	81.4	81.3	81.3	81.4	81.5	81.9	82.8	83.7	83.7	84.5	85.2	85.0	84.8	84.9	84.9	84.6	83.3	82.5	82.2	82.1	81.9	81.6	81.5	82.9	85.2	81.0
„ 10,	81.6	81.3	81.2	80.9	80.9	80.9	81.8	82.4	82.6	83.4	84.2	84.6	83.8	80.4	83.7	82.8	82.8	82.8	82.1	81.9	81.7	81.7	81.2	81.1	82.2	85.2	80.4
„ 11,	80.9	80.8	80.8	80.7	80.7	80.9	81.8	82.3	82.6	83.9	85.1	85.1	85.4	84.9	85.1	82.8	83.0	81.9	81.1	80.0	80.1	80.8	80.6	80.2	82.1	85.4	80.0
„ 12,	80.3	80.1	78.9	78.7	78.7	78.9	77.7	80.6	80.9	80.0	81.1	79.8	79.8	81.9	82.9	82.4	81.3	80.5	79.9	79.1	79.0	77.3	77.6	78.3	79 8	82.9	77.3
„ 13,	78.7	79.0	78.2	78.5	78.9	79.5	80.4	80.9	82.2	81.3	81.9	83.7	82.1	83.2	81.6	80.8	81.4	80.9	79.7	78.1	78.9	78.7	79.7	79.2	80.3	83.7	78.1
„ 14,	78.7	78.4	77.9	78.1	77.7	77.7	78.8	80.1	82.0	83.1	82.4	82.3	83.0	83.0	82.5	82.7	82.1	80.2	79.5	79.0	78.3	78.2	78.2	77.9	80.1	83.3	77.7
„ 15,	78.0	78.0	77.8	77.5	77.6	76.7	78.6	80.6	80.8	81.8	82.2	83.4	84.4	83.7	85.0	83.5	83.2	81.4	79.7	78.8	77.9	77.8	77.6	77.2	80.1	84.4	76.6
„ 16,	77.0	76.2	76.4	76.3	76.3	76.5	78.5	79.9	81.3	82.6	82.3	83.0	83.6	84.5	85.6	84.4	84.2	81.8	78.9	78.3	78.0	77.7	77.3	77.0	79.9	86.3	76.1
„ 17,	76.3	76.9	77.2	77.0	77.3	77.7	79.5	80.6	81.2	82.8	84.8	85.6	87.4	87.5	86.7	85.1	84.3	82.9	81.9	81.1	80.3	80.0	80.5	80.1	81.5	87.5	76.3
„ 18,	80.2	79.9	79.7	80.0	79.3	79.8	80.7	81.4	82.6	84.2	84.2	85.0	86.6	87.1	86.7	85.4	83.8	83.0	82.2	82.0	81.6	81.5	81.1	80.6	82.4	87.3	79.3
„ 19,	80.8	†80.6	†80.6	†80.5	†80.1	†80.2	†80.7	†81.2	†82.7	84.4	84.8	85.8	87.7	87.5	86.8	88.6	87.8	84.0	82.5	82.2	82.2	81.8	†81.8	†81.9	83.2	88.6	79.8
„ 20,	81.9	†81.6	†81.7	†81.6	†81.6	†81.3	81.8	†83.1	†84.1	85.9	86.5	87.8	88.0	87.4	87.4	87.5	85.6	83.9	83.0	82.3	81.2	80.8	79.7	79.6	83.6	88.0	79.6
„ 21,	79.7	79.7	79.8	79.7	79.9	80.2	80.7	82.3	83.3	83.7	82.9	81.8	81.9	82.9	82.2	83.3	82.4	81.7	80.9	80.7	80.3	79.9	79.3	79.1	81.2	83.7	78.9
„ 22,	78.7	78.8	78.5	78.6	78.3	78.7	80.8	82.0	83.1	83.7	85.1	86.1	87.0	87.0	86.0	86.2	85.5	84.4	82.6	82.0	81.6	81.2	80.5	80.1	82.4	87.0	78.1
„ 23,	79.7	79.8	80.2	80.5	80.4	81.3	82.1	83.4	83.9	83.8	84.3	85.8	88.0	87.5	85.3	82.6	83.8	83.5	83.4	82.3	78.5	78.3	78.6	78.5	82.3	88.0	77.7
„ 24,	78.4	78.5	78.6	78.7	79.3	79.3	80.4	81.2	81.9	83.8	86.3	85.7	83.6	86.8	88.1	87.3	84.8	83.9	82.7	83.0	82.9	82.8	81.9	81.4	82.6	88.1	78.4
„ 25,	80.9	80.6	80.7	81.7	81.2	81.3	79.5	75.4	75.8	76.8	77.4	79.1	82.5	82.0	82.8	82.7	81.6	81.6	81.1	79.7	78.7	79.3	78.5	78.4	80.0	83.4	75.0
„ 26,	77.8	77.3	77.3	77.4	77.7	77.2	78.0	79.9	77.7	81.2	81.5	78.9	80.2	79.8	79.4	79.5	79.5	78.9	78.0	78.6	76.8	76.4	76.4	76.4	78.4	81.5	76.4
„ 27,	76.4	76.2	76.0	76.3	76.3	76.3	78.2	79.9	81.4	81.8	82.4	83.7	83.3	84.4	84.0	83.5	84.1	82.0	81.2	80.8	80.7	80.1	79.5	78.9	80.3	84.9	75.6
„ 28,	78.3	78.0	76.4	76.8	77.1	77.7	79.2	80.2	81.3	81.4	85.0	83.5	81.9	79.9	82.4	81.4	80.3	80.1	80.0	80.2	80.1	80.5	78.5	78.7	80.0	85.0	75.9
„ 29,	78.7	77.9	76.7	76.0	74.9	74.5	76.7	75.8	75.4	75.8	76.0	76.5	77.2	77.8	78.4	77.4	77.6	77.7	77.6	77.7	77.4	76.1	75.9	75.4	76.7	79.1	74.3
„ 30,	75.6	75.8	75.4	75.7	75.7	75.8	76.7	77.1	78.2	79.4	79.5	79.8	78.8	79.6	79.1	78.3	77.9	77.0	77.3	77.9	76.7	76.9	76.7	76.0	77.4	79.8	75.4
„ 31,	75.8	75.9	75.4	75.9	74.0	74.3	74.3	74.8	74.8	76.0	76.8	78.8	77.8	79.8	80.8	78.2	78.5	79.0	78.3	78.1	77.9	77.8	77.8	77.9	77.0	80.8	73.8
Hourly Means,	79.6	79.4	79.2	79.2	79.1	79.2	79.9	80.5	80.9	81.6	82.4	82.8	83.0	83.2	83.6	82.9	82.5	81.6	80.8	80.4	80.0	79.8	79.6	79.5	80.9	84.5	77.7

* Approximate. † Interpolated.

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF JULY, 1885

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Sun.	Rad.
July 1,	80.1	80.3	79.7	79.1	79.0	77.8	79.7	78.9	80.3	80.0	80.3	80.1	80.3	78.9	80.5	79.0	79.7	78.4	78.3	78.7	78.6	78.6	78.8	78.9	79.3	125.2	78.3
„ 2,	78.5	78.4	78.4	78.7	79.1	77.3	77.7	79.8	75.6	74.9	75.3	75.0	74.1	75.0	75.8	76.6	76.8	76.9	77.0	77.1	77.1	77.1	77.2	79.1	77.0	105.2	73.9
„ 3,	79.0	78.5	78.6	78.6	78.9	†78.8	78.7	†79.1	†79.0	79.7	79.5	79.6	79.6	79.7	79.5	79.3	79.0	79.0	78.1	78.4	78.7	78.4	78.7	78.6	79.0	133.8	77.4
„ 4,	79.1	78.4	78.4	78.2	78.1	77.0	77.3	76.7	77.2	77.3	77.3	78.2	77.8	77.7	78.5	77.7	77.7	77.2	*77.1	*77.0	*76.9	76.8	*76.8	*76.7	77.5	140.7	76.5
„ 5,	76.7	*76.7	*76.7	*76.7	*76.8	*76.8	76.8	*75.9	*75.0	74.1	*74.4	74.7	75.8	76.8	77.7	75.1	75.3	76.1	*75.7	*75.2	*74.7	74.3	*74.7	*75.1	75.7	139.6	73.6
„ 6,	75.5	*75.6	*75.7	*75.9	*76.1	*76.3	76.5	*75.4	*74.3	73.3	76.3	78.7	78.4	78.3	78.2	78.6	78.5	78.7	78.6	78.8	78.8	78.6	78.7	79.0	77.2	98.3	73.1
„ 7,	79.2	78.8	78.9	78.6	78.7	78.4	78.5	78.9	78.9	78.2	79.2	78.6	79.0	78.6	78.9	79.0	78.7	78.6	77.8	78.1	78.1	78.1	78.0	77.8	78.6	136.8	78.3
„ 8,	77.7	77.6	77.6	77.5	77.5	77.5	77.6	78.4	77.9	78.2	78.2	78.9	78.5	78.6	78.0	78.6	77.9	78.6	77.6	77.5	78.0	78.1	77.9	77.3	78.0	144.7	79.2
„ 9,	77.4	77.2	77.5	77.7	77.1	76.9	77.7	78.2	78.8	78.9	78.5	78.5	78.4	78.3	78.3	78.7	78.3	77.6	78.2	78.4	77.9	77.1	77.4	77.2	77.9	145.6	79.0
„ 10,	76.7	76.2	76.6	76.4	76.5	76.7	76.9	77.3	77.4	77.9	78.3	78.7	78.7	77.9	78.1	77.7	77.5	77.0	77.4	77.7	77.9	78.3	78.1	78.1	77.5	133.4	77.8
„ 11,	77.8	77.8	77.6	77.2	77.7	77.6	78.3	78.3	78.3	78.3	77.4	77.7	78.6	77.5	77.5	77.4	77.2	76.8	76.8	77.0	77.1	77.3	77.2	76.8	77.6	144.8	77.9
„ 12,	76.9	76.5	76.6	76.4	76.3	76.3	73.8	76.8	76.5	76.0	77.2	76.9	76.1	77.7	78.2	78.9	77.3	76.7	76.4	76.4	76.7	74.1	74.8	76.0	76.5	144.4	73.7
„ 13,	76.1	77.1	75.8	76.4	76.6	76.8	76.8	76.8	77.9	77.0	77.5	78.8	77.2	78.3	76.9	75.6	77.0	76.6	76.6	76.2	76.7	76.6	77.0	77.1	76.9	141.7	74.8
„ 14,	77.0	76.7	75.7	75.8	76.1	74.7	75.8	76.8	77.6	77.7	77.2	76.0	75.8	76.1	75.6	75.6	75.4	75.5	75.6	76.2	76.1	76.1	75.7	75.4	76.1	137.9	74.4
„ 15,	75.4	74.9	74.4	74.4	74.2	74.2	74.9	76.6	76.2	75.9	76.1	76.4	77.2	75.6	77.2	76.2	75.9	74.9	74.7	74.7	73.9	73.7	73.7	73.7	75.2	144.6	71.5
„ 16,	73.7	73.9	74.1	73.9	73.9	74.4	75.5	75.7	76.3	75.4	75.9	76.1	75.3	74.4	74.2	73.1	74.2	74.6	73.9	73.8	73.7	74.2	74.3	74.6	74.5	140.4	72.6
„ 17,	74.1	74.6	74.7	74.8	75.2	75.5	76.5	76.5	77.2	77.2	78.3	78.2	78.6	78.5	78.8	78.3	78.7	77.7	76.3	76.3	76.3	76.3	76.8	76.6	76.8	140.6	72.1
„ 18,	76.2	76.4	76.8	77.0	77.1	77.0	77.4	76.8	76.9	77.7	77.0	77.7	79.4	79.0	79.0	78.5	77.6	76.9	76.2	75.9	75.7	75.7	75.6	75.8	77.1	140.7	75.4
„ 19,	76.0	†76.0	†76.2	†75.9	†75.8	†76.3	†76.4	†76.8	†76.9	78.5	77.5	*78.1	78.8	79.4	79.5	80.6	80.6	79.1	78.6	78.7	78.8	78.7	*78.5	†78.4	77.9	142.3	75.7
„ 20,	78.0	†78.1	*77.9	†77.8	†78.1	†79.0	79.6	†79.9	†80.2	79.7	79.4	80.6	81.3	79.5	80.8	80.6	80.2	80.5	79.7	78.5	77.0	76.5	75.2	75.0	78.9	147.6	77.3
„ 21,	74.4	75.0	75.8	76.6	77.7	78.3	78.3	78.7	79.2	79.4	77.6	76.7	77.7	77.9	77.7	77.7	77.1	77.7	77.4	77.2	76.8	77.0	77.0	76.8	77.3	145.5	76.1
„ 22,	76.6	76.7	76.6	76.7	76.7	77.3	77.7	78.9	77.7	77.4	76.5	77.4	76.4	77.9	78.6	78.0	76.8	76.6	77.6	77.8	77.5	77.9	76.7	75.6	77.2	151.7	74.0
„ 23,	75.6	75.5	75.0	76.1	75.3	76.5	78.3	77.8	77.8	77.5	78.1	78.4	78.4	78.2	77.8	77.7	77.9	78.1	77.6	78.4	75.8	75.7	75.7	75.7	77.0	147.1	75.0
„ 24,	75.5	75.3	74.2	75.0	76.5	76.1	75.8	76.5	76.9	77.7	78.3	78.8	79.4	78.4	79.7	78.5	78.7	77.8	77.8	77.7	77.7	77.7	77.1	77.7	77.3	155.1	75.2
„ 25,	78.0	78.1	78.1	78.1	77.2	77.5	75.7	74.2	74.2	75.4	75.8	76.5	77.7	77.7	77.8	77.8	77.9	78.1	78.4	77.6	77.1	77.5	77.3	77.3	77.1	128.5	77.1
„ 26,	77.2	75.3	75.2	75.9	75.8	75.8	75.7	76.5	75.2	77.7	77.0	76.0	76.3	75.7	76.6	76.1	76.3	75.7	75.9	75.0	74.9	74.7	75.1	74.9	75.9	147.9	74.5
„ 27,	74.7	74.9	74.8	74.9	74.8	75.1	76.4	77.1	77.5	77.7	77.8	77.7	78.0	78.6	78.5	78.3	76.7	77.2	77.0	77.2	77.4	77.6	77.5	76.8	76.8	143.8	73.1
„ 28,	76.8	76.0	75.0	74.9	75.6	75.6	77.1	77.6	76.9	78.0	77.3	78.5	77.8	77.2	78.0	77.7	77.9	77.3	76.9	77.3	77.3	77.7	76.1	76.7	77.0	148.2	74.7
„ 29,	77.0	76.3	74.7	75.2	73.4	73.6	75.2	75.2	75.2	75.3	75.1	75.3	75.9	75.7	76.7	76.6	75.4	76.0	76.3	76.2	76.6	75.1	75.0	74.0	75.5	95.7	73.8
„ 30,	74.2	74.5	74.2	74.6	74.9	74.9	75.2	75.4	76.0	76.6	76.7	76.6	76.5	76.4	76.2	76.6	75.8	75.6	75.6	75.6	75.7	75.7	75.7	75.4	75.6	148.6	73.9
„ 31,	74.7	75.1	74.8	75.5	73.3	73.7	73.6	73.9	73.8	74.7	75.4	76.4	75.6	75.5	76.2	74.7	76.0	75.6	75.4	75.7	76.1	76.6	76.4	76.4	75.2	123.2	74.0
Hourly Means,	76.6	76.5	76.3	76.5	76.5	76.4	76.8	77.1	77.1	77.2	77.3	77.6	77.7	77.6	77.9	77.6	77.4	77.2	77.0	77.0	76.8	76.7	76.6	76.6	77.0	137.5	75.3

* Interpolated. † Approximate.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF JULY, 1885.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1885.		
1 a	87	0.878	July 1,.....	87	0.963
2 „	87	0.875	„ 2,.....	90	0.899
3 „	87	0.869	„ 3,.....	83	0.937
4 „	88	0.878	„ 4,.....	84	0.895
5 „	89	0.880	„ 5,.....	87	0.851
6 „	88	0.874	„ 6,.....	87	0.894
7 „	87	0.883	„ 7,.....	82	0.922
8 „	85	0.888	„ 8,.....	79	0.893
9 „	84	0.882	„ 9,.....	79	0.890
10 „	81	0.877	„ 10,.....	80	0.881
11 „	79	0.871	„ 11,.....	81	0.887
Noon.	78	0.879	„ 12,.....	86	0.870
1 p	78	0.881	„ 13,.....	85	0.881
2 „	77	0.873	„ 14,.....	82	0.848
3 „	76	0.881	„ 15,.....	78	0.809
4 „	78	0.877	„ 16,.....	76	0.782
5 „	79	0.874	„ 17,.....	80	0.859
6 „	81	0.877	„ 18,.....	78	0.861
7 „	84	0.878	„ 19,.....	78	0.886
8 „	85	0.884	„ 20,.....	80	0.926
9 „	86	0.881	„ 21,.....	83	0.886
10 „	87	0.879	„ 22,.....	78	0.865
11 „	87	0.878	„ 23,.....	78	0.858
Midt.	87	0.878	„ 24,.....	78	0.867
			„ 25,.....	87	0.893
			„ 26,.....	89	0.862
			„ 27,.....	85	0.876
			„ 28,.....	87	0.889
			„ 29,.....	94	0.869
			„ 30,.....	92	0.863
			„ 31,.....	92	0.851
Mean, ...	84	0.878	Mean,.....	83	0.878

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1885.														
July 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 4,	...	...	...	...	...	...	0.1	...	...	0.4	0.5	0.2	0.1	1.3
„ 5,	...	...	...	...	...	...	...	0.4	0.8	0.6	...	...	...	1.8
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 7,	...	0.1	...	...	...	0.8	...	...	...	0.1	0.3	0.3	...	1.6
„ 8,	...	0.5	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	10.6
„ 9,	...	0.4	1.0	0.5	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	9.7
„ 10,	...	0.1	0.6	0.1	0.6	0.4	...	0.1	0.3	...	...	...	...	2.2
„ 11,	...	0.1	0.2	1.0	1.0	1.0	0.8	1.0	1.0	0.6	0.4	0.5	...	7.6
„ 12,	...	0.9	1.0	...	...	0.8	...	0.1	1.0	0.6	0.9	...	...	5.3
„ 13,	0.5	0.7	0.9	0.6	1.0	0.9	1.0	1.0	0.9	0.9	0.9	0.8	...	10.1
„ 14,	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.2	11.2
„ 15,	0.5	1.0	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	11.7
„ 16,	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	12.4
„ 17,	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.1
„ 18,	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11.6
„ 19,	0.5	1.0	1.0	1.0	1.0	1.0	0.8	0.9	0.7	1.0	1.0	1.0	0.1	11.0
„ 20,	...	...	0.1	1.0	1.0	1.0	1.0	1.0	0.8	0.9	0.9	...	...	7.7
„ 21,	...	0.8	1.0	0.9	1.0	0.5	0.1	0.1	0.4	0.8	1.0	0.9	0.4	7.9
„ 22,	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.3	11.5
„ 23,	0.2	0.3	0.6	0.9	...	0.7	1.0	1.0	0.3	...	...	...	...	5.0
„ 24,	0.2	1.0	1.0	1.0	0.9	0.5	0.6	0.5	1.0	1.0	0.5	...	...	8.2
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 26,	...	...	0.8	0.9	0.4	...	0.1	...	...	...	...	...	...	2.2
„ 27,	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.5	...	11.0
„ 28,	...	0.2	0.7	0.4	0.8	1.0	0.4	...	...	0.2	...	...	...	3.7
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 30,	...	...	0.1	...	1.0	0.8	0.4	...	0.5	...	...	...	...	2.8
„ 31,	...	...	...	...	...	...	...	...	...	0.1	...	0.8	...	0.9
Sums,.....	5.3	13.1	16.8	16.2	17.3	18.4	15.3	15.1	16.7	16.2	15.3	12.3	3.1	181.1
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF JULY, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.
July 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	0·035	...	...	...	...	...	...	...	...	...	...	0·035
" 2,	0·100	0·025	0·010	...	...	...	...	0·150	1·430	0·380	0·190	0·110	0·510	0·080	...	...	...	...	...	...	...	...	...	...	2·985
" 3,	...	0·140	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·020	...	...	...	0·160
" 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 5,	...	...	...	...	...	...	...	0·200	0·400	0·400	0·035	...	...	...	...	...	...	0·065	...	...	...	...	...	...	1·100
" 6,	...	...	...	...	...	...	...	0·100	0·155	1·100	0·345	0·040	0·020	0·005	...	...	...	0·065	0·045	0·025	0·005	0·140	0·010	...	2·055
" 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	...	...	...	0·010
" 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	0·200	...	...	...	...	...	...	...	...	...	...	0·200
" 11,	...	...	...	...	...	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010
" 12,	...	...	...	...	...	...	0·080	0·010	...	...	...	0·015	...	...	...	...	...	...	...	0·030	0·035	...	...	...	0·170
" 13,	...	0·055	...	...	...	...	...	0·010	0·020	...	...	...	...	...	...	...	...	...	0·015	...	0·005	0·055	0·005	0·085	0·250
" 14,	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010
" 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 21,	...	...	...	...	...	0·080	0·020	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·050
" 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 25,	...	...	...	...	...	...	...	0·220	0·050	0·065	0·065	...	...	...	...	...	...	...	...	...	...	...	...	...	0·400
" 26,	...	...	...	...	0·040	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·040
" 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 28,	...	0.100	0·140	...	...	...	...	...	...	...	...	...	...	...	...	0·010	0·025	...	...	...	...	...	0·015	...	0·290
" 29,	0·130	0·090	...	0·600	0·330	0·105	0·335	0·960	0·975	0·255	0·170	...	0·055	0·005	0·190	0·050	...	0·020	0·005	0·005	0.010	...	...	0·050	4·250
" 30,	0·020	...	...	...	...	...	...	0·010	...	...	...	...	...	...	0·005	0·010	...	...	...	...	0·015	...	0·100	0·120	0·280
" 31,	0·005	0·030	0·070	0·380	0·015	0·025	0·025	0·165	0·165	0·140	0·045	0·005	0·025	...	0·075	0·050	...	...	...	...	0·030	...	...	...	1·250
Sums,	0·265	0·440	0·220	0·980	0·385	0·160	0·470	1·825	3·195	2·340	0·850	0·170	0·610	0·325	0·180	0·120	0·025	0·150	0·065	0·060	0·130	0·195	0·130	0·255	13·545

TABLE VI.

DIRECTION AND VELOCITY OF THE WIND, FOR THE MONTH OF JULY, 1885.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midn.		Sums.	Means.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
July 1,	10	3	16	2	25	2	26	5	26	5	24	8	22	6	23	6	21	4	23	5	...	1	12	5	16	9	14	6	24	4	26	5	16	6	18	8	20	4	26	3	...	0	...	1	29	3	31	2	103	4.3
" 2,	20	9	20	5	25	4	25	8	28	14	30	7	28	4	20	2	28	16	15	10	19	16	20	21	19	21	20	26	10	27	6	26	8	...	1	6	2	6	1	10	7	16	18	231	9.6
" 3,	18	29	18	34	20	27	20	29	21	27	20	25	20	25	21	34	21	18	20	20	20	29	20	23	22	20	27	19	33	20	30	18	33	18	37	18	30	18	33	18	31	18	30	18	33	19	33	696	29.0
" 4,	19	33	20	32	20	29	21	34	20	32	22	31	26	28	26	23	24	21	20	21	22	21	20	23	20	18	18	18	15	18	13	20	11	19	8	19	16	20	7	19	10	21	8	20	9	19	6	19	465	19.4
" 5,	22	6	23	7	21	16	20	20	22	10	29	8	...	1	21	5	11	7	4	5	7	6	8	12	8	17	8	11	9	13	8	19	7	18	8	10	7	15	8	11	18	15	18	14	21	18	21	17	270	11.2
" 6,	20	14	19	13	22	8	20	5	...	1	15	9	14	15	15	14	17	25	25	27	26	27	20	35	19	32	18	25	18	37	18	24	18	33	19	39	20	33	19	29	18	33	18	32	18	27	18	37	586	24.4
" 7,	19	24	19	26	18	24	18	24	18	24	18	27	18	32	19	28	18	30	18	31	18	28	18	21	18	20	18	20	17	22	17	22	17	22	17	22	17	21	17	17	17	17	17	18	16	17	12	18	548	22.8
" 8,	17	25	17	27	20	17	19	16	20	17	22	17	24	17	22	19	20	19	20	20	24	19	26	18	25	19	24	19	22	19	20	22	17	20	17	20	19	18	16	17	11	16	13	15	15	17	13	18	484	20.2
" 9,	18	16	18	17	18	17	18	14	19	13	18	17	18	15	17	20	17	20	18	23	18	30	18	26	19	29	19	26	19	26	19	22	18	19	18	16	18	17	17	16	17	16	17	11	16	9	16	18	450	18.8
" 10,	17	18	17	17	15	18	15	17	16	17	15	17	18	17	15	17	18	17	19	19	18	17	20	17	21	18	20	17	20	20	21	18	21	18	16	17	16	18	17	18	17	18	13	16	16	12	15	14	17	7	398	16.4
" 11,	16	10	15	15	15	15	15	12	16	11	15	11	16	8	15	8	14	8	13	15	14	12	13	11	14	17	14	15	14	16	13	20	13	14	14	11	13	8	10	10	12	12	13	16	12	16	12	6	278	12.4
" 12,	12	16	13	14	11	10	10	8	9	10	8	11	9	11	7	7	9	22	8	13	8	11	8	18	8	13	9	13	7	16	7	15	7	14	8	13	8	11	7	15	10	16	8	12	8	16	10	19	318	13.3
" 13,	9	19	10	19	9	25	9	15	8	18	9	13	9	17	8	21	9	21	9	20	8	19	7	21	7	22	7	21	8	24	9	22	7	14	7	13	7	13	7	11	8	14	7	17	10	15	4	22	422	18.0
" 14,	10	10	8	9	7	8	7	7	7	7	6	8	6	9	6	10	8	13	7	12	7	14	7	13	7	12	7	11	7	9	7	7	7	6	7	7	7	4	7	5	7	4	7	5	7	4	7	3	219	9.1
" 15,	7	5	7	3	...	0	...	0	...	1	...	1	...	1	...	0	7	3	7	4	24	4	8	3	10	5	9	9	28	4	26	5	26	5	15	5	15	6	15	5	14	3	10	4	10	4	10	3	85	3.5
" 16,	10	3	10	2	0	1	0	1	...	1	...	1	1	14	2	15	5	27	7	28	9	24	12	24	11	22	11	24	10	23	8	24	7	27	5	25	4	20	8	...	1	12	4	4	4	30	8	...	114	4.8
" 17,	30	2	...	1	30	4	30	5	28	5	28	6	28	5	28	7	26	8	26	7	24	10	22	12	22	10	21	8	16	11	16	10	16	11	17	10	18	4	20	5	20	3	26	2	26	6	20	6	158	6.6
" 18,	22	6	22	9	22	6	22	9	27	5	24	9	27	5	26	7	26	9	24	11	24	10	23	10	23	10	22	10	19	14	18	16	19	19	19	13	21	13	20	10	20	8	8	2	15	3	16	6	215	9.0
" 19,	20	6	20	12	21	14	21	14	21	13	22	10	22	10	26	8	24	9	22	10	23	14	22	13	23	8	25	9	25	6	23	8	27	6	16	8	17	7	17	8	13	5	10	8	8	3	7	3	216	9.0
" 20,	3	2	20	5	8	3	8	3	1	3	...	1	22	5	32	4	28	7	28	6	28	8	28	6	8	11	10	11	15	11	15	9	11	8	9	8	7	6	7	6	8	20	7	10	8	18	6	12	8	14	209	8.7
" 21,	7	10	8	9	8	8	8	6	9	9	9	9	8	11	7	11	8	12	8	13	9	16	9	16	8	19	8	9	8	11	8	14	8	18	10	11	8	9	7	11	7	8	8	7	7	8	8	5	260	10.8
" 22,	8	2	8	3	8	3	8	2	...	1	...	1	...	1	...	1	13	2	25	5	23	6	25	9	26	9	25	10	25	12	24	12	24	12	24	12	24	11	23	11	25	9	25	8	25	7	25	5	25	5	25	6	152	6.3
" 23,	22	5	24	6	25	7	24	8	21	4	23	2	23	2	27	5	24	5	23	10	25	12	23	10	24	12	21	11	23	7	6	5	6	2	20	4	20	8	21	10	28	23	25	12	24	10	24	3	178	7.4
" 24,	...	1	...	1	24	6	27	4	23	4	...	1	23	4	28	7	26	9	25	11	23	14	25	7	24	10	23	7	3	9	20	14	19	14	21	10	17	7	15	4	24	4	18	6	18	2	24	2	158	6.6
" 25,	...	1	...	1	18	3	18	9	19	9	17	9	20	12	26	13	29	2	6	3	4	6	29	7	29	3	30	2	30	2	26	4	29	4	29	2	...	1	...	1	2	4	5	5	6	5	7	4	113	4.7
" 26,	7	6	7	7	7	5	8	4	8	6	7	10	10	6	14	5	28	6	8	11	16	7	26	8	23	3	25	4	27	6	8	4	9	7	...	1	9	2	9	5	12	5	10	12	10	7	6	2	140	5.8
" 27,	6	2	17	2	14	2	...	1	...	1	6	2	5	2	8	3	8	7	8	14	9	11	8	5	8	8	5	7	9	9	12	9	11	8	10	7	12	5	12	3	7	5	9	4	7	3	10	4	124	5.2
" 28,	16	2	17	3	15	3	15	4	17	2	17	2	...	1	...	1	23	2	9	8	19	6	13	12	14	11	10	11	14	11	...	1	13	7	13	4	17	4	17	5	20	3	18	3	24	7	29	5	104	4.3
" 29,	15	8	16	13	15	7	20	6	21	11	24	7	18	28	24	16	26	8	29	8	29	2	32	5	3	3	31	2	31	2	...	1	31	2	31	2	26	4	25	7	26	3	26	7	26	12	25	5	170	7.1
" 30,	25	2	25	2	30	4	30	2	30	2	30	2	4	3	8	9	9	10	10	11	8	13	9	14	8	20	8	20	9	18	9	16	10	13	8	14	9	11	12	13	8	10	5	8	7	8	6	10	235	9.8
" 31,	7	7	7	13	8	5	17	8	23	5	2	3	4	3	4	2	18	2	9	4	4	5	16	5	17	7	19	8	20	9	18	9	15	5	17	7	16	4	9	6	8	7	8	5	6	4	6	4	136	5.7
Sums,	...	302	...	324	...	285	...	292	...	292	...	285	...	312	...	316	...	366	...	404	...	412	...	425	...	448	...	414	...	412	...	402	...	384	...	345	...	329	...	310	...	306	...	299	...	294	...	292	8260	344.2
Hourly Means,	...	9.7	...	10.5	...	9.5	...	9.4	...	9.4	...	9.2	...	10.1	...	10.2	...	11.8	...	13.0	...	13.3	...	13.7	...	14.5	...	13.4	...	13.3	...	13.0	...	12.4	...	11.1	...	10.6	...	10.0	...	9.9	...	9.6	...	9.5	...	9.4	266.5	11.1

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR JULY, 1885.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	0.1	2.5	5.9	3.0	— 5.8	— 0.5	S 6° W
2 „	0.0	2.3	6.5	3.4	6.5	1.1	S 10° W
3 „	0.2	1.9	5.5	3.5	5.3	1.6	S 17° W
4 „	0.4	1.4	5.6	4.0	5.3	2.6	S 26° W
5 „	0.4	1.6	4.9	4.2	4.5	2.6	S 30° W
6 „	0.6	1.8	4.4	3.3	3.8	1.5	S 22° W
7 „	1.1	2.0	5.2	3.4	4.2	1.3	S 17° W
8 „	1.3	2.1	4.4	3.9	3.1	1.8	S 30° W
9 „	0.9	3.1	4.3	5.3	3.4	2.2	S 33° W
10 „	0.9	4.0	4.3	5.9	3.4	1.9	S 29° W
11 „	0.8	3.3	4.7	6.3	3.9	3.0	S 38° W
Noon.	0.6	4.0	5.7	6.2	5.0	2.2	S 24° W
1 p.	0.1	4.5	6.3	5.9	6.2	1.5	S 8° W
2 „	0.1	4.0	5.9	5.8	5.7	1.8	S 18° W
3 „	0.4	3.5	6.5	5.1	6.1	1.6	S 15° W
4 „	0.3	4.1	6.4	4.4	6.1	— 0.4	S 4° W
5 „	0.5	3.8	6.8	3.5	6.3	+ 0.4	S 4° E
6 „	0.2	3.0	6.5	3.0	6.4	— 0.1	S 1° W
7 „	0.0	3.1	6.1	2.9	6.1	+ 0.2	S 2° E
8 „	0.0	3.4	5.2	2.7	5.1	0.6	S 7° E
9 „	0.7	3.3	5.1	2.3	4.5	1.0	S 13° E
10 „	0.6	3.6	4.6	2.1	4.1	1.5	S 20° E
11 „	0.7	3.2	4.5	2.5	3.9	0.7	S 10° E
Midt.	0.5	2.8	5.3	2.6	— 4.8	+ 0.2	S 2° E
Mean,.....	0.5	3.0	5.4	4.0	— 5.0	— 1.0	S 11° W

TABLE IX.

DIRECTION AND FORCE OF THE WIND AT VICTORIA PEAK, AND SEA DISTURBANCE.

Date.	4 a.			10 a.			4 p.			10 p.		
	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.
1885.												
July, 1,.....	...	...	2	W	3	2	W	3	2	SW	4	2
„ 2,.....	...	...	2	W	5	2	SW	5	2	SW	5	0
„ 3,.....	...	...	3	SW	6	3	SW	6	3	SW	7	3
„ 4,.....	...	...	4	WSW	5	4	SW	5	3	SW	4	3
„ 5,.....	...	...	2	SW	4	1	SW	4	1	SW	4	3
„ 6,.....	...	...	3	SW	6	3	SW	6	3	SW	6	3
„ 7,.....	...	...	2	SW	5	2	SW	5	3	SW	5	4
„ 8,.....	...	...	3	SW	6	3	SW	6	3	SW	6	4
„ 9,.....	...	...	3	S	6	3	S	6	3	S	6	3
„ 10,.....	...	...	3	S	6	3	S	5	3	S	5	3
„ 11,.....	...	...	2	S	5	2	S	4	2	S	4	2
„ 12,.....	...	...	2	ESE	4	1	ESE	4	3	ESE	4	2
„ 13,.....	...	...	2	E	5	3	E	5	3	E	5	4
„ 14,.....	...	...	3	ESE	4	3	ESE	3	2	ESE	3	2
„ 15,.....	...	...	2	ESE	3	1	ESE	2	1	SW	2	1
„ 16,.....	...	...	1	SW	3	1	SW	4	1	SW	4	1
„ 17,.....	...	...	2	W	2	2	SW	4	2	SW	5	3
„ 18,.....	...	...	3	SW	5	2	SW	4	2	SW	4	2
„ 19,.....	...	...	2	SW	4	2	SW	4	2	W	4	3
„ 20,.....	...	...	3	SW	3	2	SE	3	1	E	4	2
„ 21,.....	...	...	2	E	4	2	SE	4	2	SE	4	2
„ 22,.....	...	...	2	SE	4	2	SE	4	2	SE	4	2
„ 23,.....	...	...	0	NW	4	0	SW	4	2	SW	5	2
„ 24,.....	...	...	0	W	4	2	SW	5	2	SW	5	2
„ 25,.....	...	...	0	SW	4	0	S	4	0	S	4	0
„ 26,.....	...	...	0	S	4	0	S	3	0	S	4	0
„ 27,.....	...	...	0	SW	6	0	W	5	1	S	6	1
„ 28,.....	...	...	1	W	4	1	S	4	0	SW	6	2
„ 29,.....	...	...	2	W	5	0	SW	4	0	SW	4	0
„ 30,.....	...	...	0	E	4	0	SE	4	0	SE	4	0
„ 31,.....	...	...	0	S	4	0	S	5	0	S	5	2
Mean,.....	...	...	1.8	S 30° W	4.4	1.7	S 18° W	4.8	1.7	S 19° W	4.6	2

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rnd.
1885.	ins.	ins.	ins.	°	°	°	°		°	°
July 1,	27.836	27.858	27.849	78.2	77.6	76.2	116.0	81.1	76.2	74.5
2,	.899	.876	.874	74.8	74.4	74.2	94.0	78.7	72.4	70.5
3,	.820	.819	.813	75.8	76.2	75.6	95.2	77.5	73.0	73.7
4,	.842	.857	.905	74.8	75.4	74.0	97.6	76.1	73.2	70.7
5,	.952	.943	.951	72.2	74.8	73.8	139.2	74.8	70.8	70.9
6,	.968	.906	.925	72.8	75.2	75.6	97.4	76.5	72.8	69.1
7,	28.006	27.974	28.008	75.9	75.8	75.6	115.2	77.3	74.0	74.6
8,	28.048	28.016	28.019	75.8	75.6	75.0	116.2	76.5	74.0	74.5
9,	28.052	28.011	28.030	75.8	75.8	74.8	115.0	76.4	74.0	73.5
10,	28.018	27.954	27.958	74.8	75.2	74.8	110.0	76.5	73.6	74.7
11,	28.051	28.038	28.096	74.8	74.8	74.6	127.4	76.1	73.0	74.9
12,	.162	.095	.141	73.8	75.6	75.0	113.8	77.3	73.2	70.9
13,	.170	.129	.107	74.4	75.6	74.6	132.8	77.1	73.4	74.7
14,	.131	.068	.077	75.8	76.0	73.8	127.6	77.1	72.4	75.3
15,	.076	.026	.019	74.2	76.0	73.8	137.0	76.9	72.0	70.5
16,	27.993	27.918	27.895	72.8	75.2	73.8	139.2	76.9	72.6	70.9
17,	.901	.845	.855	75.0	75.8	74.0	138.0	79.3	72.0	72.5
18,	.888	.849	.868	75.0	74.8	74.0	133.2	78.7	74.0	73.9
19,	.920	.888	.893	75.6	81.0	75.8	140.0	81.3	73.0	72.7
20,	.947	.900	.901	77.6	80.2	76.8	145.0	83.3	74.0	72.5
21,	.967	.921	.930	77.4	77.0	76.4	138.0	78.9	73.0	72.5
22,	.930	.855	.849	76.8	77.0	75.2	147.0	81.3	73.0	74.5
23,	.910	.852	.878	75.8	76.2	74.4	144.0	80.9	72.6	74.1
24,	.932	.888	.890	75.2	77.0	76.2	140.8	77.6	74.4	74.3
25,	.969	.902	.928	74.6	75.6	74.8	137.4	77.5	72.4	75.1
26,	.969	.919	.921	76.2	73.8	74.4	133.2	78.1	72.6	74.3
27,	.914	.884	.962	75.2	75.8	74.8	138.2	78.1	74.2	75.1
28,	.954	.904	.907	76.8	76.2	74.8	131.0	77.5	73.4	71.9
29,	.909	.871	.903	73.8	72.4	72.0	92.6	76.1	72.0	70.9
30,	.830	.865	.849	73.6	71.4	74.0	133.0	75.5	71.4	70.7
31,	.868	.861	.886	72.2	72.4	73.8	106.0	74.6	71.2	71.6
Mean,	27.963	27.924	27.938	75.1	75.7	74.7	124.9	77.8	73.0	72.9

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND AT VICTORIA PEAK.

Date. 1885.	Relative Humidity.						Tension of Aqueous Vapour.					
	Observatory.			Victoria Peak.			Observatory.			Victoria Peak.		
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.
July 1,	82	80	86	95	95	98	0.969	0.929	0.936	0.919	0.908	0.884
" 2,	94	87	92	95	97	93	.849	.875	.909	.827	.824	.786
" 3,	79	81	81	98	99	98	.949	.942	.912	.872	.892	.866
" 4,	84	79	91	95	98	99	.889	.882	.897	.827	.856	.829
" 5,	93	84	80	96	97	95	.822	.826	.790	.765	.835	.791
" 6,	98	86	84	98	98	98	.814	.926	.929	.788	.859	.866
" 7,	75	80	82	95	100	99	.887	.929	.905	.850	.889	.875
" 8,	76	73	84	97	97	98	.888	.869	.913	.864	.857	.849
" 9,	80	75	80	95	97	99	.925	.899	.868	.855	.864	.852
" 10,	77	79	85	100	99	100	.888	.882	.924	.860	.863	.860
" 11,	77	77	85	100	95	94	.894	.869	.891	.860	.819	.805
" 12,	82	85	85	95	95	97	.845	.942	.801	.791	.841	.841
" 13,	82	78	91	95	91	95	.871	.817	.889	.816	.809	.822
" 14,	77	71	91	91	72	93	.878	.791	.874	.806	.653	.775
" 15,	75	70	82	93	86	90	.817	.806	.777	.786	.771	.752
" 16,	70	56	84	90	71	79	.784	.664	.800	.726	.622	.661
" 17,	77	73	84	94	95	98	.860	.878	.858	.816	.847	.821
" 18,	74	72	76	95	99	97	.863	.888	.812	.824	.852	.813
" 19,	75	69	87	91	83	97	.896	.937	.941	.809	.883	.864
" 20,	75	73	81	95	85	95	.931	.953	.856	.908	.876	.876
" 21,	82	77	87	92	90	90	.948	.875	.890	.869	.832	.815
" 22,	74	68	86	92	84	84	.856	.849	.913	.851	.783	.734
" 23,	74	79	89	91	85	92	.859	.885	.855	.806	.768	.783
" 24,	75	66	79	93	94	94	.868	.857	.882	.814	.874	.850
" 25,	93	79	92	93	95	93	.862	.888	.920	.797	.849	.802
" 26,	85	85	92	94	95	92	.904	.856	.838	.850	.791	.783
" 27,	83	78	89	98	91	100	.895	.900	.914	.855	.806	.860
" 28,	85	84	88	93	95	91	.914	.901	.914	.860	.859	.786
" 29,	98	96	95	95	97	97	.872	.906	.859	.791	.770	.767
" 30,	88	92	94	95	92	94	.879	.894	.874	.794	.706	.789
" 31,	94	84	94	98	97	95	.843	.814	.901	.772	.770	.799
Mean,	82	78	86	95	92	95	0.878	0.876	0.879	0.827	0.820	0.815

TABLE XII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1885.												
July 1, ...	10	sm-cum.	...	8	cum.	...	10	str.	...	10	cum-str.	...
„ 2, ...	10	nim.	SSW	10	cum-nim.	SW	10	cum-nim.	...	10	nim.	...
„ 3, ...	10	cum-nim.	SW	10	cum-nim.	SW	10	cum-nim.	SW	10	sm-cum. / cum-nim.	WSW / SW
„ 4, ...	10	cum-nim.	SW	10	nim.	SW	10	nim.	SW	10	str. / cum-nim.	WNW
„ 5, ...	9	cum.	SW	10	nim.	SW	10	nim.	WSW	10	nim.	W
„ 6, ...	10	cum-nim.	SW	5	cum.	SW	10	nim.	WSW	10	nim.	W
„ 7, ...	10	cum-nim.	WSW	9	cum-nim.	SW	10	cum.	WSW	10	sm-cum. / cum-nim.	SW / SW
„ 8, ...	7	cum.	SSW	9	cum.	SSW	8	cum.	SSW	7	R-cum.	SW
„ 9, ...	9	cum.	SSW	7	cum.	SSW	10	cum-nim.	SSW	7	c-cum. / cum-nim.	SSW
„ 10, ...	5	cum.	SW	7	cum.	SSW	10	R-cum.	SSW	10	c-str. / R-cum.	SSW
„ 11, ...	10	cum.	SW	7	cum.	S	9	cum.	SSW	9	c-cum. / R-cum.	S / SSE
„ 12, ...	4	cum.	SE	* 6	cum.	SSE	8	cum.	ESE	9	c-cum. / cum-str.	... / ...
„ 13, ...	9	cum.	SE	* 9	cum.	...	9	cum.	ESE	9	cum. / cum.	S / SE
„ 14, ...	5	cum.	SE	* 6	cum.	...	7	cum.	ESE	2	cum-nim. / c.	ESE / SSE
„ 15, ...	1	c-cum.	...	* 3	cum.	...	4	cum.	SSE	3	cum.	SE
„ 16, ...	1	cum.	SSW	* 3	cum.	...	5	cum.	SSW	1	cum.	WSW
„ 17, ...	1	cum.	SSW	* 2	cum.	...	2	cum.	WSW	2	c-str. / cum.	ENE / WSW
„ 18, ...	1	cum.	SW	5	sm-cum. / cum.	SW	2	cum.	WSW	1	c. / cum.	ENE / WSW
„ 19, ...	2	str.	SW	* 3	cum.	...	3	c-cum. / cum.	ENE / WSW	4	c-cum. / cum.	E / WSW
„ 20, ...	10	str.	...	*10	cum.	...	9	sm-cum.	ENE	7	c-str. / cum.	NE / W
„ 21, ...	9	str.	...	8	cum.	E	8	R-cum.	E	8	cum-str. / nim.	E / ...
„ 22, ...	1	c-str. / cum.	...	5	cum.	...	7	c-str. / cum.	ENE / E	8	c-str. / cum.	ENE / SE
„ 23, ...	8	c-cum.	N	7	cum.	...	7	c-cum. / sm-cum.	NE / E	8	sm-cum. / cum-str.	NW / ...
„ 24, ...	3	c-cum.	NW	* 5	cum.	NW	6	cum-str.	NW	7	c-cum. / cum.	WNW / SW
„ 25, ...	8	cum.	NW	10	cum.	...	10	nim.	...	10	nim.	...
„ 26, ...	2	c-str. / cum.	S	7	cum-nim.	...	7	cum.	S	10	cum. / nim.	S
„ 27, ...	2	c-str. / cum.	...	5	cum.	S	4	cum.	SSW	2	cum.	SW
„ 28, ...	6	c-str. / cum.	NNE	6	cum-str.	...	10	str.	...	9	c-str. / cum-str.	NW / ...
„ 29, ...	10	c-str. / nim.	SW	10	nim.	SW	10	nim.	...	10	nim.	...
„ 30, ...	10	nim.	N	9	cum-nim.	...	10	cum-nim.	...	7	c-cum. / cum-nim.	S / S
„ 31, ...	10	nim.	ENE	10	nim.	SW	10	nim.	...	10	nim.	SW
Mean, ...	6.5	...	...	7.1	...	...	7.9	...	...	7.4	...	...

* Interpolated.

TABLE XII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Daily and Monthly Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1885.													
July 1,.....	10	nim.	E	10	cum-str.	...	10	cum-str.	...	10	str. / cum.	E	9.7
" 2,.....	10	nim.	...	10	str.	...	10	str.	...	8	cum-nim.	SW	9.8
" 3,.....	10	cum. / R-cum.	SW / SW	10	cum-nim.	SW	10	cum-nim.	SW	10	cum-nim.	SW	10.0
" 4,.....	10	sm-cum. / str.	W	9	c-cum. / R-cum.	WNW / WSW	9	c-cum. / cum.	WNW / WSW	7	c-cum.	WNW	9.3
" 5,.....	10	c-cum. / cum.	NW / SW	10	sm-cum. / cum.	WNW / WSW	10	str. / cum-nim.	WSW	10	str. / cum.	W	9.9
" 6,.....	10	nim.	SW	10	cum-nim.	WSW	10	nim.	WSW	10	nim.	WSW	9.4
" 7,.....	10	cum. / R-cum.	WSW / SW	10	sm-cum. / R-cum.	WSW / SSW	10	cum-nim.	SSW	10	cum-nim.	SSW	9.9
" 8,.....	7	R-cum.	SW	7	R-cum.	SSW	10	R-cum.	SSW	10	R-cum.	SSW	8.1
" 9,.....	8	c-str. / cum.	SSW	7	c-str. / R-cum.	NNE / SW	7	c-str. / R-cum.	SSW	6	R-cum.	SSW	7.6
" 10,.....	10	c-str. / R-cum.	SSW	10	c-str. / cum-nim.	SSW	10	c-str. / cum-nim.	SSW	10	cum-nim.	SSW	9.0
" 11,.....	8	cum. / cum.	N / SSE	8	str. / c-cum.	N / S	10	c-str. / cum-str.	SE	9	cum-str.	SE	8.7
" 12,.....	9	cum. / cum-str.	... / ...	9	cum. / c-cum.	SSE / WNW	10	nim.	ESE	8	cum-nim.	E	7.9
" 13,.....	7	str. / c-str.	E / E	4	cum. / c-cum.	ESE / NNE	10	nim.	ESE	9	nim.	ESE	8.3
" 14,.....	1	cum.	NNW / SSE	6	c.	ESE / N	4	c.	N	0	...	...	3.9
" 15,.....	2	cum.	SSW	0	...	...	0	...	...	0	...	...	1.6
" 16,.....	0	...	...	0	...	...	0	...	...	0	...	...	1.3
" 17,.....	1	c-str. / cum.	NNE / WSW	1	c-str. / cum.	ENE / WSW	1	c-str.	...	0	...	...	1.2
" 18,.....	1	c. / cum.	WSW	3	c-str. / cum.	NE / WSW	10	c-str.	E	6	c-str.	E	3.6
" 19,.....	8	c-str. / sm-cum.	ENE / WSW	6	c-str.	ENE	6	c-str.	ENE	9	c-cum.	ENE	5.1
" 20,.....	5	c-cum. / cum-str.	NE / E	2	c-cum. / cum.	SSE / SE	8	c-str. / cum.	E	9	c-str. / cum.	ENE / E	7.5
" 21,.....	10	cum. / str.	E / E	6	cum-str. / cum-str.	... / ...	6	c-cum. / cum.	E	2	c-cum.	ENE	7.1
" 22,.....	5	c-str. / cum.	ENE / ESE	7	cum. / c-str. / cum.	SSE / ENE /	8	c-str.	NE	7	c-str.	NE	6.0
" 23,.....	6	sm-cum. / cum-str.	N / W	9	cum-str.	NW	9	sm-cum. / cum-str.	NNW / NW	9	sm-cum. / cum-str.	NNW / ...	7.9
" 24,.....	9	cum. / cum-nim.	WSW / SW	7	c-str. / cum.	WNW / WSW	8	c-str. / cum.	WNW / WSW	9	c-str. / c-cum.	WNW	6.7
" 25,.....	10	str. / cum.	WSW	10	str. / cum-nim.	WSW	10	str.	...	2	c-str. / cum.	S	8.8
" 26,.....	10	str. / cum-nim.	SSE	10	str. / cum-nim.	S	10	str.	...	2	c-str.	E	7.2
" 27,.....	3	cum.	W	7	cum-str.	NE	9	c-str. / cum.	ENE	9	c-cum.	E	5.1
" 28,.....	10	cum-str. / nim.	W	10	str. / nim.	NW	10	cum-nim.	SW	10	sm-cum. / cum-nim.	SW	8.9
" 29,.....	10	nim.	...	10	nim.	SW	10	nim.	...	10	cum-nim.	...	10.0
" 30,.....	10	cum. / cum-nim.	E	10	c-str. / cum-nim.	ESE	10	cum-nim.	ESE	10	nim.	ESE	9.5
" 31,.....	10	nim.	SW	10	str. / nim.	SW	10	nim.	SW	10	nim.	SW	10.0
Mean,.....	7.4	...	...	7.4	...	...	8.2	...	...	7.1	...	...	7.4

TABLE XIII.

RAINFALL AT DIFFERENT STATIONS.

Date.	Observatory.		Stone Cutters' Island.	Victoria Pea
	Amount.	Duration.	Amount.	Amount.
1885.	ins.	hrs.	ins.	ins.
July 1,	2.080	5	2.05	2.65
" 2,	1.080	5	0.88	2.70
" 3,	0.020	1	...	0.24
" 4,	1.000	3	1.15	1.40
" 5,	1.860	5	1.90	0.65
" 6,	0.355	7	2.27	0.82
" 7,	0.010	1	...	...
" 8,	...	...	...	...
" 9,	...	...	...	...
" 10,	0.210	1	0.20	0.35
" 11,	0.090	1	0.14	0.50
" 12,	0.165	2	0.20	0.18
" 13,	0.175	2	0.24	...
" 14,	...	...	...	...
" 15,	...	...	...	...
" 16,	...	...	...	...
" 17,	...	...	...	...
" 18,	...	...	...	...
" 19,	...	...	...	...
" 20,	0.050	1	...	...
" 21,	...	...	...	...
" 22,	...	...	...	...
" 23,	...	...	...	...
" 24,	0.309	3	0.54	0.65
" 25,	0.140	1	...	0.15
" 26,	...	...	0.04	...
" 27,	0.240	1	...	0.24
" 28,	3.560	11	4.57	4.42
" 29,	0.530	7	0.40	0.66
" 30,	1.270	15	1.04	1.87
" 31,	0.325	6	0.39	0.65
Total,	13.640	78	16.01	18.13

W. Doberck,
Government Astronom

Hongkong Observatory, 15th October, 1885.

HONGKONG OBSERVATORY.

Weather Report for August, 1885.

In the *China Coast Meteorological Register*, based on information transmitted by the Great Northern and the Eastern Extension Telegraph Companies, which was daily published, is given a summary of the atmospheric circumstances in Luzon and along the Coast of China. It also contains information concerning the weather in Nagasaki and Wladivostock, and the first appearance and progress of typhoons.

Fog at sea level was noted in the morning on the 8th, the 11th and the 12th.

Dew fell during the night between the 5th and the 6th, between the 6th and the 7th, in the evening on the latter day, in the morning on the 9th, and during the night between the 11th and the 12th, between the 21st and the 22nd, and between the 22nd and the 23rd.

Unusual visibility was noted on the 7th, the 9th, the 12th and the 22nd.

A Solar halo was seen on the 9th, the 15th, the 20th and the 21st.

A Lunar halo was seen on the 15th, the 19th, the 20th, the 24th, the 26th, the 30th and the 31st.

A Lunar corona was seen on the 25th, the 26th and the 30th.

A rainbow was seen at 6 p. on the 3rd, at 5 p. on the 14th, at 6.30 p. on the 16th and at 4 p. on the 23rd.

Lightning was observed on the evenings of the 1st and the 2nd.

A thunderstorm passed from SW towards NE between noon and 2.30 p. on the 3rd (nearest approach about 8s.). Lightning and distant thunder continued till next morning.

Faint lightning was observed in the evening on the 5th, during the night between the 7th and the 8th, and between the 8th and 9th, 9th and 10th and 10th and 11th.

Faint thunder and Lightning were observed on the 14th and the 15th, and lightning during the following night.

A distant thunderstorm (about 60s.) passed W of the Colony from SW towards NE between 4.30 p. and 9 p. on the 18th. Thunder and lightning continued during the following night.

Faint lightning was observed during the night between the 19th and the 20th and faint thunder was heard on the following day.

Lightning was seen during the night between the 22nd and the 23rd. Between 5.30 p. and 10 p. on the latter day a severe thunderstorm accompanied by squally weather passed from NE round by S towards NW. The figures exhibited by the flashes were unusually complicated. Lightning continued during the following night.

Between 6 p. and 8 p. on the 25th a severe thunderstorm passed overhead from W towards ESE. At 6.25 p. its distance was about 8s., at 6.38 p. 10s., at 6.44 p. 4s., at 7.0 p. 3s., at 7.2 p. (0s). Thunder and lightning continued and between 1 a. and 2 a. on the 26th another thunderstorm passed from W towards E (nearest about 2s. at 1.7 a.). Thunder and lightning were observed no the following evening and also during the afternoon on the 27th.

Faint lightning was noticed on the evening of the 30th and thunder and lightning on the evening of the 31st.

The Total Distance travelled by, as well as the Duration and average Velocity of Winds from different quarters were as follows:—

Direction.	*Total Distance.* Miles.	*Duration.* Hours.	*Velocity.* Miles per hour.
N	57	11	5.2
NE	534	45	11.9
E	3422	245	14.0
SE	649	50	13.0
S	1947	141	13.8
SW	988	65	15.2
W	1082	97	11.2
NW	264	33	8.0
Calm	47	57	0.8

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF AUGUST, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Aug. 1, ...	29.594	29.593	29.581	29.568	29.564	29.571	29.597	29.592	29.604	29.601	29.597	29.620	29.593	29.570	29.539	29.537	29.550	29.556	29.557	29.569	29.582	29.582	29.574	29.562	29.579
„ 2, ...	.547	.533	.513	.502	.495	.500	.514	.516	.522	.511	.497	.474	.459	.443	.432	.428	.436	.437	.444	.456	.476	.478	.476	.466	.481
„ 3, ...	.455	.429	.417	.422	.423	.432	.436	.446	.454	.457	.457	.456	.456	.471	.449	.440	.441	.457	.471	.499	.516	.520	.516	.511	.460
„ 4, ...	.494	.493	.485	.496	.494	.524	.558	.580	.591	.626	.620	.612	.606	.601	.588	.577	.575	.588	.594	.616	.643	.662	.660	.660	.581
„ 5, ...	.636	.644	.642	.640	.643	.661	.678	.691	.694	.692	.692	.670	.645	.631	.616	.618	.620	.631	.646	.673	.680	.687	.680	.676	.659
„ 6, ...	.664	.649	.649	.654	.655	.670	.679	.679	.695	.690	.687	.672	.649	.623	.604	.585	.582	.587	.595	.615	.630	.649	.652	.647	.644
„ 7, ...	.647	.648	.646	.644	.641	.645	.663	.677	.692	.697	.683	.672	.650	.640	.617	.611	.608	.614	.640	.666	.678	.693	.691	.676	.656
„ 8, ...	.676	.657	.656	.658	.663	.677	.685	.688	.693	.696	.698	.674	.654	.632	.611	.600	.595	.606	.615	.640	.663	.675	.678	.676	.657
„ 9, ...	.676	.654	.645	.640	.642	.647	.655	.654	.655	.655	.647	.636	.620	.603	.597	.576	.574	.591	.608	.620	.644	.662	.671	.651	.634
„ 10, ...	.620	.621	.608	.609	.606	.605	.617	.639	.653	.658	.658	.638	.629	.609	.585	.573	.572	.585	.617	.630	.645	.653	.642	.642	.618
„ 11, ...	.620	.606	.591	.595	.594	.591	.600	.612	.627	.625	.613	.613	.597	.575	.565	.565	.562	.569	.580	.590	.609	.616	.620	.611	.598
„ 12, ...	.601	.584	.568	.575	.579	.593	.608	.616	.629	.629	.629	.623	.615	.603	.596	.598	.588	.593	.593	.600	.613	.634	.644	.644	.606
„ 13, ...	.637	.615	.612	.617	.624	.637	.655	.665	.676	.672	.687	.681	.664	.649	.644	.638	.636	.651	.662	.677	.677	.695	.697	.677	.656
„ 14, ...	.668	.639	.643	.632	.635	.647	.672	.686	.695	.696	.696	.688	.675	.653	.630	.634	.647	.633	.635	.648	.666	.672	.664	.649	.659
„ 15, ...	.643	.637	.636	.639	.646	.663	.669	.670	.679	.674	.675	.669	.653	.639	.626	.623	.618	.614	.629	.646	.669	.674	.680	.671	.652
„ 16, ...	.662	.644	.633	.627	.627	.631	* .640	* .647	.654	.657	.652	.634	.616	.600	.574	.563	.561	.568	.570	.576	.603	.617	.610	.574	.614
„ 17, ...	.553	.545	.538	.536	.532	.526	.518	.523	.514	.510	.497	.460	.438	.410	.415	.454	.472	.512	.537	.571	.596	.620	.633	.627	.522
„ 18, ...	.629	.630	.622	.621	.621	.633	.663	.695	.714	.710	.716	.712	.697	.712	.705	.714	.694	.707	.715	.736	.728	.744	.738	.732	.691
„ 19, ...	.729	.710	.701	.715	.722	.731	.752	.765	.785	.790	.780	.766	.755	.739	.734	.727	.729	.739	.758	.773	.787	.801	.798	.791	.753
„ 20, ...	.768	.752	.748	.744	.752	.751	.766	.774	.773	.781	.774	.770	.745	.723	.718	.699	.701	.704	.715	.729	.739	.748	.751	.740	.744
„ 21, ...	.727	.712	.706	.699	.696	.706	.720	.741	.758	.760	.743	.723	.694	.693	.680	.671	.671	.686	.689	.709	.712	.701	.693	.709	.709
„ 22, ...	.673	.674	.680	.678	.679	.693	.703	.709	.705	.707	.698	.686	.663	.647	.628	.618	.618	.618	.628	.637	.646	.655	.658	.646	.664
„ 23, ...	.638	.631	.610	.599	.605	.605	.607	.617	.626	.621	.604	.591	.565	.547	.521	.500	.504	.581	.525	.540	.578	.590	.568	.547	.589
„ 24, ...	.526	.509	.485	.472	.468	.465	.466	.477	.475	.477	.448	.426	.394	.371	.357	.352	.345	.341	.336	.350	.362	.358	.345	.324	.414
„ 25, ...	.307	.290	.273	.271	.274	.285	.304	.309	.330	.342	.351	.350	.338	.335	.333	.327	.331	.351	.399	.419	.428	.455	.446	.459	.346
„ 26, ...	.455	.454	.447	.454	.468	.488	.494	.527	.545	.549	.553	.554	.548	.542	.537	.537	.540	.564	.584	.603	.614	.628	.633	.635	.540
„ 27, ...	.617	.610	.597	.593	.589	.604	.628	.640	.652	.671	.654	.641	.627	.614	.601	.602	.603	.621	.622	.642	.654	.669	.671	.660	.629
„ 28, ...	.647	.639	.625	.632	.628	.639	.645	.670	.676	.677	.669	.669	.667	.663	.656	.650	.623	.621	.643	.659	.675	.689	.687	.685	.656
„ 29, ...	.673	.661	.669	.657	.669	.668	.676	.711	.711	.710	.731	.726	.694	.675	.655	.644	.644	.646	.651	.672	.691	.705	.681	.689	.680
„ 30, ...	.679	.664	.657	.654	.656	.663	.672	.698	.715	.716	.718	.711	.685	.666	.635	.638	.629	.647	.648	.680	.702	.704	.717	.713	.678
„ 31, ...	.701	.699	.686	.679	.685	.687	.703	.706	.709	.712	.696	.680	.656	.642	.621	.620	.616	.621	.638	.655	.684	.707	.694	.693	.675
Hourly Means, ...	29.619	29.608	29.599	29.597	29.599	29.608	29.621	29.633	29.642	29.644	29.639	29.629	29.612	29.597	29.584	29.579	29.577	29.587	29.597	29.615	29.631	29.643	29.642	29.633	29.614

* Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF AUGUST, 1883.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means	Max.	Min
Aug. 1	77.8	77.7	77.6	77.9	79.7	80.5	80.9	79.6	80.7	82.0	82.5	76.2	77.5	78.3	79.1	78.9	79.0	78.5	78.2	78.0	78.5	79.3	79.5	80.2	79.1	82.5	75.2
„ 2	81.7	81.6	81.1	81.1	81.0	76.2	76.8	76.8	77.0	77.5	79.5	81.9	82.7	82.4	82.7	82.1	81.7	81.0	81.0	80.1	79.2	79.0	79.0	78.9	80.1	82.9	74.8
„ 3	78.9	79.1	79.7	80.2	79.3	79.8	80.9	81.2	82.8	83.3	84.7	79.7	77.4	76.7	79.5	79.9	80.9	81.1	80.8	80.1	80.7	81.1	81.2	81.0	80.4	85.5	76.1
„ 4	80.9	81.4	81.1	78.3	79.6	79.3	78.3	74.3	75.3	75.1	75.9	76.6	77.4	77.3	76.8	76.3	76.6	76.2	75.8	75.3	75.5	75.6	75.6	75.5	77.1	81.4	74.3
„ 5	75.6	75.6	75.8	75.8	75.9	76.3	77.3	78.8	79.8	79.0	79.5	81.1	81.5	80.6	81.2	81.6	81.7	81.8	80.8	80.4	79.6	79.4	78.7	78.3	79.0	82.0	75.6
„ 6	77.9	78.1	78.3	78.4	78.8	79.3	80.7	81.6	82.3	83.7	84.0	84.1	85.0	85.7	86.2	85.6	84.5	82.5	81.1	80.8	79.9	79.9	79.5	79.0	81.5	86.5	77.8
„ 7	78.7	78.6	78.3	78.1	77.9	78.2	79.2	80.7	81.8	82.7	83.5	85.0	84.8	86.7	87.0	87.2	84.5	83.4	80.9	80.0	79.9	79.5	79.0	79.1	81.4	88.2	77.7
„ 8	79.1	78.7	78.3	77.9	78.1	78.1	78.8	80.7	82.1	81.8	83.4	82.7	83.7	84.2	83.4	83.7	81.4	81.7	79.9	80.0	79.5	78.7	78.9	78.4	80.5	83.2	77.9
„ 9	78.7	77.9	78.1	77.6	77.6	77.2	78.9	80.4	81.4	83.0	83.9	84.5	84.7	84.1	83.0	82.7	81.7	81.6	79.7	79.5	79.5	79.4	79.4	78.9	80.6	84.7	77.1
„ 10	77.7	78.2	78.2	78.1	77.6	77.4	78.3	79.9	79.6	80.6	80.3	81.5	80.7	81.6	80.3	79.9	79.8	78.6	77.7	77.2	76.7	76.7	76.7	76.7	78.7	81.6	76.1
„ 11	75.9	75.7	75.7	75.5	75.4	75.6	76.9	78.9	79.7	80.3	80.2	80.8	80.9	80.7	79.7	80.0	79.6	79.4	78.1	77.7	77.6	76.4	75.8	76.2	78.0	81.5	75.2
„ 12	76.7	76.1	75.6	75.5	75.1	74.5	76.3	78.8	81.3	83.1	82.9	83.0	82.5	82.2	81.5	81.4	80.4	81.0	80.7	80.1	80.1	79.8	80.6	78.8	79.5	83.1	74.5
„ 13	78.9	78.5	78.4	78.9	75.7	74.5	76.9	77.8	80.4	81.7	81.5	82.1	82.2	82.2	81.8	81.7	80.4	80.0	79.7	79.5	78.5	79.0	79.3	79.5	79.5	82.2	74.5
„ 14	79.8	79.7	79.4	79.5	79.5	79.9	80.7	80.9	82.1	82.2	82.9	83.0	82.9	83.1	83.1	82.6	82.5	80.8	80.1	80.5	81.6	80.8	80.8	80.9	81.2	83.4	79.4
„ 15	81.0	80.9	80.6	80.2	79.0	79.8	81.0	81.9	81.5	83.2	81.5	82.5	82.7	82.6	82.6	82.0	81.7	81.2	80.0	80.0	80.6	80.8	80.3	80.3	81.2	83.2	79.0
„ 16	79.9	79.7	79.6	79.6	79.3	79.3	80.3	81.4	81.7	82.3	81.9	83.4	83.6	82.9	81.7	82.4	81.7	81.6	81.6	81.2	80.0	79.8	78.1	79.1	80.9	83.8	78.0
„ 17	79.7	79.6	79.6	77.2	77.3	78.4	78.8	78.0	79.2	79.8	80.7	81.2	79.8	80.4	78.9	78.7	78.4	79.0	78.4	79.0	79.0	79.3	79.7	79.7	79.2	81.6	77.1
„ 18	79.6	79.7	79.7	79.9	*79.2	*78.5	*77.8	*77.1	76.5	77.5	77.9	78.3	79.1	79.1	77.9	77.7	76.9	76.6	76.9	76.8	76.8	80.5	*80.7	*81.0	78.4	81.0	76.5
„ 19	81.2	81.1	81.0	81.3	81.3	81.5	82.1	82.6	80.2	81.4	81.7	83.0	82.9	82.7	82.7	82.3	81.5	80.8	79.6	79.6	79.6	79.6	79.9	79.9	81.2	83.0	79.6
„ 20	79.8	79.4	79.4	79.5	79.7	79.9	80.4	80.8	83.0	83.4	82.7	81.7	81.1	80.7	81.7	82.0	81.7	80.6	80.3	79.5	79.2	78.7	78.7	78.6	80.5	83.4	78.6
„ 21	79.1	78.4	78.9	78.4	78.3	78.4	79.8	80.9	81.6	81.2	81.6	82.6	82.7	82.9	83.7	84.0	82.9	81.2	80.8	80.0	79.3	78.8	78.4	78.0	80.5	84.2	78.0
„ 22	77.8	77.7	77.7	77.3	77.6	77.1	78.3	80.2	81.5	82.7	84.0	84.9	86.2	86.8	86.4	86.6	85.4	83.6	81.8	80.9	80.6	80.6	79.8	79.3	81.4	86.7	77.1
„ 23	78.6	78.4	78.3	77.9	78.0	78.4	79.3	80.7	81.7	83.5	84.7	85.9	87.2	87.1	88.1	87.0	86.3	74.8	77.3	77.7	77.4	76.6	77.5	77.8	80.8	88.2	73.5
„ 24	78.8	78.5	78.1	79.2	77.8	78.2	80.4	80.8	81.5	82.7	83.5	84.2	84.8	86.2	86.9	86.0	85.7	85.9	85.8	85.1	84.1	85.7	85.6	84.4	82.9	87.1	77.8
„ 25	83.7	84.0	83.6	83.8	83.7	83.0	83.3	84.4	85.4	86.1	86.9	86.7	85.7	84.9	84.3	83.7	83.6	83.2	76.1	76.8	76.9	76.9	76.9	77.6	82.6	87.1	75.6
„ 26	74.6	74.2	77.3	77.2	77.6	78.5	80.6	81.8	82.4	83.7	83.3	83.6	83.6	83.5	83.5	83.2	82.5	82.5	82.7	82.1	80.5	81.9	81.6	81.0	81.0	84.1	74.2
„ 27	80.5	80.6	80.4	81.1	78.7	78.7	78.8	80.6	81.7	80.7	82.3	82.7	83.2	83.4	83.5	84.0	82.9	77.9	78.6	79.1	79.9	80.7	81.2	81.6	80.9	84.3	77.9
„ 28	81.7	81.1	80.5	79.1	79.5	78.7	78.6	78.1	77.8	80.0	80.2	81.7	76.6	77.3	78.5	75.9	76.2	76.3	76.4	77.1	77.0	76.7	76.7	76.7	78.3	81.9	75.8
„ 29	76.7	77.0	75.6	74.3	74.8	75.6	75.1	75.0	74.4	74.7	75.3	75.0	75.9	75.8	76.8	77.7	77.7	77.7	77.1	76.5	75.7	75.9	75.4	75.5	75.9	78.0	74.2
„ 30	75.8	76.1	75.8	75.9	76.0	76.5	76.8	75.6	76.2	76.5	77.0	77.0	77.8	79.7	79.7	79.2	77.9	77.9	77.7	77.2	77.2	77.3	77.3	77.3	77.1	80.0	75.6
„ 31	77.2	76.8	75.2	75.8	77.2	77.6	78.0	80.0	81.9	83.6	83.8	84.2	84.2	84.1	82.9	80.9	80.5	80.6	80.5	80.2	79.6	79.4	79.1	78.9	80.1	84.4	75.1
Hourly Means	78.8	78.7	78.6	78.4	78.3	78.2	79.0	79.7	80.5	81.3	81.7	82.0	81.9	82.0	82.1	81.9	81.3	80.3	79.6	79.3	79.0	79.2	79.1	79.0	80.0	83.6	76.4

* Interpolated.

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF AUGUST, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	*Noon.*	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Sun.	Rad.
Aug. 1	76.4	76.3	76.3	76.2	77.2	76.9	77.4	77.3	78.3	78.5	79.2	75.2	75.8	76.3	76.6	76.4	76.4	76.6	76.1	76.3	76.6	77.0	77.2	77.7	76.8	141.5	75.1
„ 2	77.8	78.3	78.5	78.2	78.5	75.1	75.6	75.4	75.4	76.3	77.9	79.5	78.7	77.7	78.2	77.8	77.1	77.2	77.0	75.8	76.4	75.9	76.0	76.3	77.1	141.2	73.4
„ 3	77.0	76.9	77.6	77.8	77.6	77.6	78.4	78.6	79.2	78.6	79.6	78.2	76.1	75.1	76.6	76.1	77.0	77.2	77.3	77.3	78.0	78.3	78.5	78.7	77.6	144.2	73.6
„ 4	78.6	77.5	77.8	75.9	76.7	76.7	75.4	73.2	74.4	74.2	74.5	75.0	75.8	75.8	75.6	75.4	75.5	75.3	74.7	74.3	74.3	74.3	74.3	74.1	75.3	94.5	73.1
„ 5	74.3	74.4	74.9	74.8	75.1	75.4	76.2	77.2	77.2	77.2	77.4	78.5	78.3	78.4	78.8	78.9	78.6	77.9	77.7	77.5	77.2	77.2	76.8	76.9	143.4	74.0	
„ 6	76.7	76.9	76.8	76.7	76.9	77.7	78.8	78.7	78.4	78.2	78.1	78.1	77.7	77.9	78.4	79.1	78.6	77.7	77.0	76.6	77.3	77.4	77.1	77.1	77.7	142.9	75.1
„ 7	76.9	76.9	77.1	76.9	76.7	76.9	77.5	77.6	78.0	78.2	76.8	77.6	77.4	77.3	77.3	77.4	75.3	74.8	76.3	76.0	76.6	77.1	76.2	75.9	76.9	143.5	74.4
„ 8	76.3	75.5	76.3	76.2	76.3	76.0	76.9	76.9	77.3	77.3	77.7	78.3	77.6	77.9	77.5	77.6	76.7	75.9	75.8	75.9	76.1	76.3	76.2	75.3	76.7	143.4	74.4
„ 9	74.8	75.0	74.8	75.1	75.6	75.4	76.2	76.2	76.3	76.4	76.6	77.0	76.8	77.1	76.9	76.6	77.2	76.7	76.5	76.8	76.2	76.2	76.1	76.1	76.2	142.6	72.6
„ 10	75.7	75.5	75.6	75.1	75.9	74.7	74.7	75.5	75.5	75.6	75.6	76.1	75.5	75.3	75.7	75.8	75.7	75.4	75.2	74.8	74.6	74.6	74.8	74.8	75.2	129.7	74.4
„ 11	74.7	74.6	74.3	74.5	74.5	74.7	75.1	75.5	75.5	75.6	74.4	74.7	75.6	74.7	75.4	75.3	74.8	74.6	74.6	74.5	75.2	73.8	74.1	74.1	74.8	139.8	73.3
„ 12	74.1	74.0	73.5	74.2	73.8	73.4	74.6	74.1	75.0	75.9	75.8	75.6	75.2	75.5	77.2	76.3	76.8	77.0	76.0	76.1	76.6	76.8	76.4	75.5	75.4	142.3	73.0
„ 13	75.9	76.0	75.6	75.7	74.0	72.9	75.1	75.7	76.6	77.4	77.0	77.2	77.1	76.5	76.2	76.8	76.1	76.1	76.3	76.8	76.4	75.7	76.2	76.2	76.1	140.9	72.0
„ 14	76.3	76.8	76.2	76.4	76.6	76.5	76.7	76.2	76.8	76.6	76.4	76.7	77.1	76.9	77.1	78.0	77.6	77.7	77.7	77.7	77.7	77.8	77.5	77.1	77.0	145.1	76.3
„ 15	77.5	77.0	77.0	77.2	76.4	76.6	77.6	77.8	77.3	77.3	76.9	75.9	75.6	76.4	77.5	76.7	77.7	77.7	77.4	76.9	77.3	76.9	76.9	77.2	77.0	149.1	77.6
„ 16	76.6	76.8	75.8	76.0	75.3	74.4	73.9	73.1	73.2	74.0	74.2	75.2	75.5	75.6	76.1	75.9	75.8	76.5	76.3	76.2	76.2	74.8	75.5	75.7	75.4	143.9	74.9
„ 17	74.9	74.9	74.7	75.2	75.5	75.0	75.1	75.7	76.5	77.3	77.6	77.6	77.8	76.8	75.9	75.1	76.1	74.6	75.8	76.0	75.7	76.0	75.9	76.3	75.9	144.4	74.8
„ 18	75.6	*75.3	*75.0	*74.7	*74.4	*74.1	*73.8	*73.6	73.4	74.8	74.8	75.6	75.8	76.5	76.4	75.6	75.1	74.9	75.4	75.6	75.8	76.8	77.3	77.6	75.3	106.0	73.8
„ 19	77.5	*77.3	77.2	77.1	77.0	77.3	77.5	77.9	76.9	76.7	77.9	78.6	78.4	78.3	78.0	77.7	77.6	77.4	76.6	77.3	77.5	78.1	77.1	76.8	77.5	121.6	76.4
„ 20	76.6	76.8	76.8	76.6	76.6	76.9	77.3	77.5	78.1	78.3	77.8	76.5	75.5	76.2	77.2	78.0	77.0	76.4	76.4	76.5	76.6	76.7	76.6	76.7	76.9	138.1	75.8
„ 21	76.4	75.9	75.8	75.7	76.0	76.2	77.3	77.6	77.9	77.7	77.4	77.7	78.6	78.3	76.6	76.9	76.9	76.8	76.8	76.5	76.9	77.2	76.9	76.5	76.9	146.9	74.9
„ 22	76.7	76.5	76.4	76.0	76.2	75.4	76.2	76.2	75.8	76.8	77.0	77.1	78.1	78.5	77.9	77.5	77.4	77.4	77.6	78.0	77.8	77.6	77.5	77.0	77.0	140.5	71.8
„ 23	76.8	76.6	76.3	76.5	76.2	76.1	76.5	76.5	78.0	79.2	79.1	79.3	78.8	79.8	79.8	80.4	80.5	80.0	71.8	72.3	71.0	72.9	71.5	72.1	76.2	139.6	68.8
„ 24	72.1	71.9	72.6	71.8	72.7	72.7	73.4	74.0	74.9	76.6	77.9	78.0	78.4	78.9	79.6	78.7	79.2	78.8	79.0	79.2	79.1	78.7	79.0	79.3	76.5	141.4	72.8
„ 25	79.2	78.6	78.4	78.1	77.7	77.6	76.2	76.2	76.8	77.6	78.2	79.1	79.5	79.9	79.8	79.6	79.5	79.6	75.3	76.1	76.2	76.3	76.4	77.0	77.9	132.3	76.2
„ 26	74.1	73.6	76.3	75.3	75.5	76.3	77.8	78.2	78.6	78.4	78.6	78.6	78.6	78.2	78.4	78.3	78.2	77.7	77.8	78.4	76.2	78.5	78.0	77.0	77.4	136.2	73.5
„ 27	76.8	77.3	77.8	77.3	76.3	76.7	76.2	77.1	77.4	77.2	77.6	77.6	78.3	78.5	78.7	78.4	77.9	74.3	75.3	76.0	77.6	78.6	78.4	78.1	77.3	127.2	75.4
„ 28	77.7	77.2	77.0	76.2	76.6	76.1	75.9	75.7	75.6	77.1	77.3	77.6	*76.0	74.4	75.8	75.6	74.2	74.9	74.6	75.4	75.4	75.7	75.6	75.7	75.9	97.3	74.4
„ 29	75.7	76.2	74.2	73.8	74.1	74.5	74.7	74.5	75.7	74.2	74.4	74.4	74.5	74.6	75.6	75.9	74.8	74.8	74.4	74.5	74.7	75.1	74.6	74.4	74.7	95.2	73.5
„ 30	74.6	74.7	74.6	74.6	74.8	75.1	75.4	74.1	75.0	75.2	75.3	75.3	75.9	76.2	77.3	77.6	76.6	76.5	76.5	76.3	76.3	76.2	76.2	76.2	75.7	113.3	73.9
„ 31	76.1	75.7	74.1	74.7	75.8	76.2	76.1	77.6	78.5	79.1	78.4	78.9	79.2	78.7	78.5	76.6	77.9	77.8	77.7	77.8	77.5	77.9	77.7	77.7	77.3	147.1	74.0
Hourly Means	76.1	76.0	76.0	75.8	75.8	75.7	76.1	76.2	76.5	76.9	77.0	77.1	77.1	77.0	77.3	77.1	77.0	76.8	76.2	76.3	76.4	76.5	76.4	76.4	76.5	133.1	74.1

* Interpolated.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF AUGUST, 1885.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1885.		
1 a	88	0.866	August 1,.....	90	0.892
2 „	88	0.863	„ 2,.....	87	0.892
3 „	89	0.865	„ 3,.....	88	0.911
4 „	89	0.859	„ 4,.....	92	0.854
5 „	89	0.860	„ 5,.....	91	0.898
6 „	89	0.857	„ 6,.....	84	0.899
7 „	87	0.863	„ 7,.....	81	0.865
8 „	85	0.859	„ 8,.....	84	0.869
9 „	82	0.861	„ 9,.....	80	0.845
10 „	81	0.867	„ 10,.....	84	0.828
11 „	80	0.867	„ 11,.....	85	0.821
Noon.	79	0.867	„ 12,.....	82	0.826
1 p	80	0.869	„ 13,.....	85	0.856
2 „	79	0.863	„ 14,.....	82	0.872
3 „	80	0.875	„ 15,.....	82	0.872
4 „	80	0.869	„ 16,.....	76	0.867
5 „	82	0.872	„ 17,.....	86	0.851
6 „	82	0.855	„ 18,.....	86	0.836
7 „	85	0.860	„ 19,.....	84	0.895
8 „	87	0.868	„ 20,.....	85	0.878
9 „	89	0.877	„ 21,.....	85	0.878
10 „	88	0.878	„ 22,.....	81	0.869
11 „	88	0.875	„ 23,.....	80	0.843
Midt.	89	0.877	„ 24,.....	73	0.827
			„ 25,.....	80	0.894
			„ 26,.....	85	0.893
			„ 27,.....	85	0.890
			„ 28,.....	89	0.863
			„ 29,.....	94	0.845
			„ 30,.....	93	0.871
			„ 31,.....	88	0.901
Mean, ...	85	0.866	Mean,.....	85	0.866

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1885.														
August 1,	...	...	...	0.6	...	...	...	...	...	...	...	...	...	0.6
„ 2,	...	...	...	...	...	...	...	...	0.5	1.0	...	...	...	1.5
„ 3,	...	0.7	1.0	1.0	1.0	0.1	...	...	...	...	...	...	...	3.8
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 5,	0.5	1.0	1.0	1.0	1.0	1.0	0.6	0.9	1.0	0.8	0.9	0.1	10.8
„ 6,	...	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.4
„ 7,	0.1	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.2
„ 8,	...	0.4	0.9	0.3	0.1	0.3	0.5	0.6	1.0	0.2	0.4	0.6	...	5.3
„ 9,	0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	0.6	0.6	...	...	10.4
„ 10,	...	...	...	...	...	...	...	...	0.1	...	...	...	...	0.1
„ 11,	...	0.2	0.9	0.5	...	...	...	0.3	0.3	...	...	...	...	2.2
„ 12,	0.2	1.0	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	11.3
„ 13,	...	...	0.5	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	8.9
„ 14,	...	0.7	0.9	1.0	1.0	0.8	0.9	1.0	1.0	1.0	1.0	0.6	...	9.9
„ 15,	0.1	...	0.8	1.0	1.0	0.2	1.0	0.7	1.0	1.0	1.0	1.0	0.3	9.1
„ 16,	...	0.5	0.8	1.0	1.0	0.8	1.0	0.8	0.1	...	...	...	...	6.0
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 20,	...	0.1	0.4	...	...	...	...	...	...	...	...	...	...	0.5
„ 21,	0.4	0.7	0.9	1.0	0.6	1.0	1.0	1.0	1.0	0.8	1.0	0.4	...	9.8
„ 22,	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.8
„ 23,	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	11.0
„ 24,	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	...	...	9.0
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 26,	...	...	...	...	...	...	0.1	0.1	...	...	...	...	...	0.2
„ 27,	...	...	...	...	...	...	...	0.1	0.5	0.5	0.5	0.1	...	1.7
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 31,	...	...	0.1	0.4	1.0	1.0	0.7	0.9	1.0	0.2	...	...	...	5.3
Sums,.....	2.9	11.2	15.0	15.5	14.7	13.2	14.2	14.1	15.2	13.3	11.3	9.3	1.9	151.8
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF AUGUST, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.
August 1,	...	...	...	...	0·020	...	...	...	...	0·075	0·250	0·275	0·015	...	...	...	...	...	...	...	...	...	...	...	0·635
„ 2,	...	...	...	0·010	0·350	0·920	0·630	0·270	0·100	...	...	...	...	...	...	...	...	...	0·010	0·010	0·030	0·025	...	...	2·355
„ 3,	...	...	...	...	...	...	...	...	...	...	...	0·225	1·575	0·200	0·200	...	...	...	0·070	0·020	0·005	...	...	...	2·295
„ 4,	0·005	...	...	...	...	0·025	0·025	1·200	0·300	0·250	0·060	0·020	...	0·045	0·020	0.220	...	...	...	...	...	...	...	...	2·170
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	0·015	...	...	...	0·700	0·325	...	0·210	...	...	...	...	...	...	...	...	...	...	...	...	0·130	...	...	...	1·380
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·030	...	0·030
„ 17,	...	...	...	0.260	0·075	...	0·235	0·495	0·165	0·150	0·200	0·030	0·020	...	0·020	0·030	0·050	...	0·015	0·010	...	...	...	...	1·695
„ 18,	...	...	...	...	...	0·325	...	...	...	...	...	...	...	0·040	0·310	0·150	0·030	...	...	...	0·015	0·005	0·005	...	0·880
„ 19,	...	...	0·005	0·005	...	...	...	0·035	0·280	0.020	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·345
„ 20,	...	0.045	...	...	...	...	...	...	...	...	...	0·020	...	...	...	...	...	...	...	...	...	...	...	...	0·065
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·050	0·670	0·080	0·100	...	...	1·000
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·025	0·025
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·930	0·060	...	...	...	0·025	1·015
„ 26,	*2·140	*2·140	*2·140	*0·120	*0·015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·555
„ 27,	...	...	0·060	...	0·205	0·180	0·155	...	...	0·105	...	...	...	...	...	...	0·010	0·015	...	...	0·015	...	...	...	0·745
„ 28,	0·090	0.040	0·015	0·360	...	0·055	0·165	0·425	0·025	...	...	...	0·325	0·075	0·020	0·125	0·035	0·020	...	...	...	...	...	...	1·775
„ 29,	...	0·095	0·105	0·150	0·080	0·110	0·280	0·280	0.250	0·220	0·155	0·160	0.180	0·030	...	...	...	...	...	0·075	...	0·025	0·065	...	2·360
„ 30,	...	...	...	0·015	...	...	...	0·145	0·105	...	...	0·005	0·005	...	...	...	...	...	...	...	...	...	...	...	0·275
„ 31,	...	1·390	0·340	...	...	0·010	0·250	0·035	...	...	...	...	...	...	...	0·225	...	...	...	...	...	0·015	...	...	2·265
Sums,	2·250	3·710	2·665	0·920	1·445	1·950	1·840	3·095	1·165	0·820	0·665	0·735	2·120	0·390	0·570	0·750	0·175	0·705	1·105	0·275	0·295	0·070	0·100	0·050	27·865

* 26th 1a. Tube became choked. Subsequent fall, distributed according to observation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND, FOR THE MONTH OF AUGUST, 1885.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Sums.	Means.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
August 1,	4	2	...	1	7	4	9	6	17	17	19	15	20	14	26	7	24	14	20	18	21	23	24	15	23	10	24	8	23	2	16	2	16	2	16	2	16	3	23	3	3	3	24	5	29	5	24	6	187	7.8
,, 2,	19	15	20	19	20	23	19	21	22	21	26	15	19	17	18	23	26	8	29	8	28	8	25	11	19	19	18	29	29	31	20	29	20	18	21	19	20	15	19	18	20	10	21	4	18	4	25	6	383	16.0
,, 3,	24	8	23	12	22	13	22	15	25	8	24	6	26	7	27	5	27	6	27	8	24	10	18	11	27	21	20	15	18	11	18	20	18	25	17	14	17	11	16	7	15	8	16	8	15	17	16	12	278	11.6
,, 4,	16	19	18	25	17	19	19	22	18	22	18	18	18	21	22	15	30	4	26	5	24	6	24	6	26	3	31	5	6	5	9	5	6	6	6	7	8	11	7	16	8	15	9	20	8	18	8	18	311	13.0
,, 5,	8	12	7	13	8	12	6	8	7	10	8	11	8	12	8	13	8	14	8	18	7	14	8	15	7	16	8	16	8	18	8	11	10	9	15	9	15	6	13	2	13	4	6	4	6	4	8	4	250	10.4
,, 6,	8	8	8	8	10	2	...	1	4	2	4	2	3	4	32	4	30	6	26	5	27	9	25	10	24	11	24	11	18	8	20	8	17	8	17	6	16	7	...	1	...	1	15	2	15	2	15	2	122	5.1
,, 7,	25	3	26	4	...	1	...	0	...	1	...	1	20	2	27	3	27	8	23	7	25	8	25	10	25	11	23	11	24	8	23	7	16	8	17	6	16	6	16	3	...	1	26	3	...	1	...	1	114	4.7
,, 8,	...	1	...	1	17	2	17	2	...	1	...	1	...	0	17	3	6	6	8	7	8	3	8	6	26	4	8	8	8	12	10	8	9	7	14	3	11	4	11	5	8	5	6	7	9	7	9	7	110	4.6
,, 9,	9	5	10	2	...	1	...	1	7	4	...	0	...	1	9	3	9	8	9	7	9	9	8	11	8	13	8	17	9	14	8	11	9	9	9	8	11	4	11	5	6	5	7	3	8	4	8	3	143	6.0
,, 10,	8	5	8	3	11	8	9	9	7	9	7	9	9	7	9	6	9	12	9	10	8	10	9	10	9	18	9	21	9	20	8	18	8	14	8	10	9	9	9	7	9	8	9	7	9	3	9	2	235	9.8
,, 11,	...	0	...	1	...	1	...	1	...	1	...	1	...	1	...	1	9	4	9	11	9	10	7	18	7	15	8	17	9	19	10	12	9	10	9	11	8	6	7	6	7	3	12	2	16	3	16	2	16	2	147	6.5
,, 12,	25	3	18	3	24	2	...	1	30	2	...	1	30	2	...	1	30	3	30	7	10	20	9	19	10	22	10	22	8	22	8	18	9	16	9	20	7	17	7	16	8	23	9	18	7	18	7	13	294	12.3
,, 13,	6	11	9	16	8	18	6	14	10	21	6	16	8	10	6	19	6	18	7	20	7	24	7	23	7	24	7	26	7	25	7	25	7	25	6	23	6	20	7	23	7	21	9	19	7	17	8	21	479	20.0
,, 14,	8	22	9	15	8	17	7	16	7	15	6	16	6	21	7	21	7	22	7	26	7	27	7	27	7	30	7	26	7	24	8	19	8	18	9	18	8	17	8	26	7	24	7	27	8	29	8	33	537	22.4
,, 15,	8	31	8	25	8	25	9	16	8	16	9	19	8	14	9	19	6	22	7	20	7	22	7	21	7	23	7	24	9	22	9	20	9	20	9	14	8	12	8	16	8	24	7	16	8	11	7	6	458	19.1
,, 16,	7	8	7	14	6	14	5	12	5	9	5	12	6	14	5	18	6	22	7	22	8	23	9	20	9	21	9	23	9	21	7	22	8	23	7	24	7	24	7	27	8	30	6	29	7	23	5	24	479	20.0
,, 17,	6	30	5	28	4	20	4	17	4	20	8	23	4	25	4	30	4	32	7	36	8	34	7	37	8	48	11	48	14	54	14	39	15	44	14	37	15	35	15	30	16	23	16	18	16	16	14	28	750	31.2
,, 18,	14	26	15	18	15	12	16	13	16	14	15	21	13	18	14	29	15	18	16	25	15	22	15	13	16	11	15	10	13	5	16	10	8	9	8	15	8	15	8	18	8	20	12	23	13	19	13	23	407	17.0
,, 19,	14	27	14	26	14	27	13	24	13	25	13	25	13	23	13	28	14	27	15	19	15	14	15	17	15	16	16	15	16	13	16	12	15	12	15	10	18	5	14	7	8	8	7	7	11	6	12	9	402	16.8
,, 20,	14	10	15	12	14	16	14	14	13	14	10	13	7	16	10	14	9	15	9	15	10	16	10	16	12	16	4	29	6	20	4	14	11	15	14	15	10	15	8	15	5	6	6	8	6	9	9	7	222	9.2
,, 21,	11	9	11	2	12	4	9	4	9	3	9	5	9	5	6	6	7	9	7	12	7	14	7	12	7	13	7	10	16	10	15	7	15	8	15	6	15	4	14	5	11	4	8	3	7	5	7	2	162	6.8
,, 22,	...	1	...	1	...	1	...	1	...	1	13	3	...	0	...	1	13	3	20	6	23	7	24	7	23	9	20	13	23	9	24	8	24	7	24	5	24	6	22	2	...	1	...	1	...	1	22	2	99	4.1
,, 23,	...	1	...	1	22	3	22	3	22	3	...	0	26	2	26	4	24	7	22	9	24	9	23	13	23	11	23	13	22	17	21	12	20	18	22	28	24	8	23	18	27	23	26	15	26	19	25	17	253	10.5
,, 24,	26	18	25	22	24	22	25	18	26	24	24	20	23	10	24	20	24	23	24	23	28	23	28	23	23	22	23	24	23	22	23	16	23	17	23	13	23	14	23	13	24	14	26	14	26	18	26	13	441	18.4
,, 25,	25	12	25	17	24	16	25	17	26	16	24	13	22	13	25	10	23	9	22	14	23	14	20	16	18	16	18	17	18	18	18	18	24	17	22	17	24	30	11	29	2	29	8	2	4	10	5	10	323	13.5
,, 26,	28	18	24	26	18	26	18	30	18	25	18	19	18	20	18	23	18	23	18	20	18	22	18	30	17	26	18	23	17	22	18	22	18	26	18	24	19	23	16	18	16	14	16	17	16	19	17	17	533	22.2
,, 27,	16	13	16	12	17	12	17	18	19	14	16	23	17	14	17	14	19	12	18	18	19	13	18	13	18	21	17	18	17	16	18	17	17	16	6	6	6	4	6	3	12	8	15	10	15	16	16	17	328	13.7
,, 28,	16	16	17	14	16	11	20	13	20	7	12	4	5	8	17	12	6	5	17	10	18	15	21	21	18	7	18	4	23	13	25	6	25	2	32	3	3	5	...	1	5	4	7	7	9	7	8	7	203	8.5
,, 29,	7	13	10	14	14	10	32	6	8	7	8	9	10	8	12	6	18	4	6	6	7	10	9	5	5	7	11	4	13	3	13	2	32	3	14	3	14	6	6	3	6	4	9	6	9	9	8	7	150	6.2
,, 30,	8	2	9	3	...	1	4	5	8	9	7	7	6	8	22	7	22	3	6	4	...	1	...	1	6	2	...	1	7	2	28	6	27	2	29	5	6	4	6	4	6	3	6	6	6	7	6	7	94	3.9
,, 31,	6	6	16	10	30	5	30	2	...	1	8	2	...	1	...	0	22	2	20	5	22	3	16	7	16	9	17	11	15	8	24	6	...	0	...	0	...	0	30	2	3	3	...	1	...	1	...	1	86	3.6
Sums,	...	352	...	356	...	347	...	330	...	340	...	321	...	306	...	307	...	373	...	425	...	440	...	453	...	502	...	499	...	484	...	433	...	427	...	362	...	319	...	318	...	318	...	307	...	314	...	329	8990	374.9
Hourly Means,	...	14.4	...	14.8	...	14.2	...	13.4	...	14.0	...	13.5	...	12.8	...	12.8	...	15.5	...	17.7	...	18.3	...	18.9	...	20.9	...	20.8	...	20.2	...	18.1	...	17.8	...	15.1	...	13.3	...	13.3	...	13.3	...	12.8	...	13.1	...	13.1	290.0	12.1

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR AUGUST, 1885.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	1.2	5.6	3.8	2.1	— 2.6	+ 3.5	S 37° E
2 „	0.6	4.4	4.3	3.0	3.7	1.4	S 21° E
3 „	0.7	4.2	4.9	2.5	4.2	1.7	S 22° E
4 „	1.3	3.7	4.3	3.3	3.0	0.5	S 9° E
5 „	1.2	4.3	4.2	3.0	3.0	1.4	S 25° E
6 „	1.4	4.5	3.7	2.4	2.4	2.1	S 41° E
7 „	1.5	4.2	3.8	2.2	2.3	2.0	S 41° E
8 „	1.9	5.1	4.4	2.6	2.5	2.5	S 45° E
9 „	2.3	5.6	2.8	3.2	0.5	2.4	S 78° E
10 „	0.6	6.6	4.1	3.5	3.5	3.1	S 42° E
11 „	0.4	7.3	3.8	3.9	3.4	3.4	S 45° E
Noon.	0.0	7.1	3.8	4.3	3.8	2.9	S 37° E
1 p.	0.7	8.0	4.3	4.5	3.5	3.5	S 45° E
2 „	0.3	7.9	5.6	3.8	5.3	4.1	S 38° E
3 „	0.1	6.8	6.1	3.0	6.0	3.8	S 32° E
4 „	0.0	6.0	5.9	3.6	5.9	2.4	S 22° E
5 „	0.3	5.3	6.6	2.5	6.4	2.8	S 24° E
6 „	1.0	5.5	4.9	1.2	3.9	4.3	S 48° E
7 „	0.8	4.5	3.9	2.1	3.2	2.4	S 37° E
8 „	0.3	5.7	3.1	1.6	2.7	4.1	S 57° E
9 „	0.9	6.8	2.0	1.3	1.1	5.5	S 79° E
10 „	1.0	6.1	2.5	1.1	1.5	5.0	S 73° E
11 „	0.6	5.9	3.5	1.1	2.9	4.8	S 59° E
Midt.	0.8	6.0	3.5	1.4	— 2.7	+ 4.7	S 60° E
Mean,.....	0.8	5.7	4.2	2.6	— 3.3	+ 3.1	S 42° E

TABLE IX.

DIRECTION AND FORCE OF THE WIND AT VICTORIA PEAK, AND SEA DISTURBANCE.

Date.	4 a.			10 a.			4 p.			10 p.		
	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.
1885.												
August, 1,.....	...	...	2	S	5	2	SW	4	0	SW	4	0
„ 2,.....	...	...	2	SW	5	2	SW	5	2	SW	6	2
„ 3,.....	...	...	2	SW	4	1	SW	5	4	SW	6	2
„ 4,.....	...	...	3	S	5	0	S	5	0	S	4	2
„ 5,.....	...	...	2	S	5	2	S	4	2	S	4	0
„ 6,.....	...	...	1	S	4	1	S	4	1	S	4	1
„ 7,.....	...	...	1	W	1	0	SW	3	1	S	3	1
„ 8,.....	...	...	0	S	2	0	S	2	0	SSE	4	0
„ 9,.....	...	...	0	E	2	1	E	3	0	SE	5	1
„ 10,.....	...	...	0	E	3	1	E	4	1	E	4	0
„ 11,.....	...	...	1	E	4	2	E	3	1	E	4	0
„ 12,.....	...	...	0	E	3	2	E	4	2	E	4	4
„ 13,.....	...	...	4	E	5	4	E	5	4	E	5	4
„ 14,.....	...	...	3	E	5	4	E	6	3	E	6	4
„ 15,.....	...	...	3	E	4	4	E	5	4	E	5	4
„ 16,.....	...	...	3	E	5	4	E	5	4	E	6	4
„ 17,.....	...	...	5	E	6	5	E	8	5	E	7	4
„ 18,.....	...	...	1	S	6	3	S	5	3	S	5	3
„ 19,.....	...	...	2	S	6	2	S	5	1	S	4	0
„ 20,.....	...	...	1	S	4	2	S	5	1	S	5	1
„ 21,.....	...	...	0	S	4	0	S	3	1	S	2	0
„ 22,.....	...	...	0	SW	3	1	W	3	2	W	3	1
„ 23,.....	...	...	0	NNW	3	0	WSW	5	2	NNE	5	2
„ 24,.....	...	...	2	NNW	5	0	NW	6	2	NW	5	2
„ 25,.....	...	...	1	WSW	6	3	SW	6	1	SSW	5	2
„ 26,.....	...	...	3	S	6	3	S	6	3	S	6	2
„ 27,.....	...	...	2	S	5	2	S	5	2	S	5	2
„ 28,.....	...	...	2	S	6	2	S	5	1	S	5	0
„ 29,.....	...	...	0	S	4	0	S	4	1	S	4	1
„ 30,.....	...	...	0	S	5	1	S	4	1	S	4	1
„ 31,.....	...	...	0	S	4	0	S	4	1	S	4	1
Mean,.....	...	...	1.5	S 15° E	4.4	1.7	S 11° E	4.5	1.8	S 21° E	4.6	1.

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1885.	ins.	ins.	ins.	°	°	°	°	°	°	°
Aug. 1,	27.921	27.886	27.897	74.8	73.0	73.6	96.2	76.1	72.0	71.6
" 2,	.836	.782	.765	74.0	74.8	74.4	115.0	76.5	73.0	73.5
" 3,	.797	.778	.790	76.6	76.4	75.0	136.0	76.8	72.0	71.3
" 4,	.903	.905	.939	73.0	72.8	74.6	125.4	78.1	72.0	72.5
" 5,	.995	.957	.981	74.8	75.0	74.4	142.0	77.1	73.2	73.5
" 6,	28.013	.932	.945	74.8	75.8	75.0	144.0	76.6	73.0	72.7
" 7,	28.007	.951	.985	75.0	76.8	74.4	142.0	79.1	74.0	72.5
" 8,	28.014	.947	.986	75.8	76.8	75.8	137.1	78.3	74.8	70.9
" 9,	27.968	.939	.988	76.6	77.2	75.6	141.8	80.1	73.6	71.9
" 10,	.973	.906	.953	75.8	75.2	74.8	135.4	77.5	74.0	71.1
" 11,	.947	.898	.939	74.2	75.0	73.8	137.4	76.5	72.2	73.1
" 12,	.946	.933	.913	75.6	77.8	75.8	144.0	79.2	73.0	71.5
" 13,	.978	.950	.957	75.8	76.0	74.2	130.0	77.7	73.0	72.5
" 14,	.993	.963	.972	74.9	77.0	75.2	129.0	78.1	73.1	72.7
" 15,	.990	.943	.982	75.2	76.8	75.7	138.0	78.3	74.2	72.5
" 16,	.959	.899	.906	75.4	76.6	74.6	142.0	79.9	73.0	73.5
" 17,	.828	.756	.909	74.6	72.4	72.8	111.0	76.1	71.0	70.5
" 18,	28.001	27.988	27.970	71.8	72.8	72.6	92.0	75.3	71.0	70.5
" 19,	28.077	28.055	28.051	73.8	74.2	73.6	95.0	75.5	71.2	71.5
" 20,	28.088	28.035	28.043	74.6	74.0	73.6	120.0	76.5	71.2	71.9
" 21,	28.065	28.016	28.026	74.8	76.2	74.8	138.4	77.1	73.0	74.1
" 22,	28.026	27.967	27.979	75.6	79.2	76.8	141.0	80.1	73.1	73.1
" 23,	27.947	.848	.757	77.8	79.4	74.4	138.0	81.3	72.4	68.7
" 24,	.813	.712	.715	74.8	78.6	77.4	148.0	81.3	71.0	72.7
" 25,	.675	.685	.775	76.9	76.8	75.0	129.1	78.3	73.0	69.5
" 26,	.865	.867	.907	75.4	75.8	74.8	93.8	77.5	73.0	71.5
" 27,	.965	.941	.978	74.2	75.6	75.2	111.0	76.5	73.0	69.5
" 28,	.985	.945	.973	73.9	72.8	72.8	84.4	75.9	72.0	69.7
" 29,	.988	.972	.972	73.5	71.8	71.4	85.2	73.9	71.0	70.5
" 30,	28.010	.960	.966	72.2	72.8	72.8	102.0	74.5	71.0	72.7
" 31,	28.022	.949	.957	74.6	75.2	74.0	130.0	76.5	71.4	72.5
Mean,	27.955	27.912	27.931	74.8	75.5	74.5	124.4	77.5	72.5	71.8

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND AT VICTORIA PEAK.

Date. 1885.	Relative Humidity.						Tension of Aqueous Vapour.					
	Observatory.			Victoria Peak.			Observatory.			Victoria Peak.		
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.
Aug. 1,	85	89	90	100	98	95	0.929	0.877	0.898	0.860	0.793	0.794
" 2,	94	82	87	99	100	98	.892	.896	.854	.829	.860	.832
" 3,	80	83	88	91	97	97	.916	.851	.932	.837	.882	.841
" 4,	95	95	94	98	97	95	.835	.869	.832	.793	.780	.822
" 5,	92	88	90	97	99	98	.911	.953	.905	.835	.858	.832
" 6,	77	74	89	95	95	95	.892	.907	.908	.827	.847	.824
" 7,	81	62	89	95	82	97	.906	.809	.899	.824	.754	.824
" 8,	81	75	89	95	90	94	.877	.865	.875	.847	.826	.839
" 9,	73	75	86	92	86	94	.822	.835	.862	.846	.815	.833
" 10,	78	82	91	94	92	91	.819	.838	.830	.839	.806	.779
" 11,	79	79	88	94	84	95	.824	.815	.800	.794	.729	.791
" 12,	70	78	87	92	82	91	.798	.839	.883	.817	.781	.806
" 13,	82	79	86	95	93	94	.883	.856	.845	.847	.836	.794
" 14,	77	81	87	95	92	98	.842	.898	.914	.821	.857	.855
" 15,	75	78	83	94	86	91	.859	.849	.873	.821	.793	.808
" 16,	66	73	78	83	86	93	.729	.808	.796	.732	.796	.797
" 17,	89	84	86	95	95	95	.905	.824	.854	.822	.762	.765
" 18,	88	91	84	96	95	94	.828	.859	.873	.754	.773	.752
" 19,	80	81	98	100	98	99	.856	.888	.943	.831	.827	.818
" 20,	79	83	91	97	98	95	.901	.906	.893	.830	.825	.794
" 21,	85	72	93	99	90	95	.904	.839	.914	.852	.810	.819
" 22,	75	65	87	91	87	86	.843	.821	.908	.809	.863	.793
" 23,	82	74	83	92	92	74	.941	.949	.761	.881	.921	.631
" 24,	75	71	72	91	84	88	.835	.884	.888	.779	.820	.827
" 25,	67	83	98	89	100	95	.833	.957	.909	.825	.919	.824
" 26,	78	79	85	98	100	95	.902	.904	.930	.860	.889	.819
" 27,	85	77	91	98	99	99	.888	.897	.952	.827	.874	.863
" 28,	87	89	95	99	100	95	.893	.799	.877	.830	.804	.765
" 29,	98	92	96	97	97	96	.840	.872	.862	.786	.762	.744
" 30,	94	91	95	100	99	98	.858	.919	.891	.787	.796	.788
" 31,	81	82	98	97	97	99	.935	.859	.937	.830	.846	.829
Mean,	82	80	89	95	93	94	0.868	0.869	0.881	0.822	0.823	0.803

TABLE XII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1885.												
Aug. 1, ...	10	sm-cum. / cum.	SSW	10	cum-nim.	SW	10	cum-nim.	SSW	10	nim.	SW
„ 2, ...	10	cum.	SW	10	cum.	SW	10	nim.	...	10	str. / cum-nim. / c-cum.	W
„ 3, ...	10	cum.	WSW	6	sm-cum.	...	4	c-cum. / sm-cum.	E / W	7	sm-cum. / cum.	NE / WSW
„ 4, ...	10	nim.	SSW	10	nim.	SSW	10	nim.	SSW	10	nim.	WSW
„ 5, ...	10	c-cum. / cum.	SE	3	c-cum.	...	8	c-cum. / cum.	SSE	10	cum.	SSE
„ 6, ...	10	c-str. / cum.	SSE	6	cum.	S	6	c-str. / cum.	SSE	3	c-str. / cum.	SSE / S
„ 7, ...	1	cum.	SW	3	cum.	S	4	c. / cum.	SW	6	cum.	SE
„ 8, ...	2	c-str. / cum.	...	5	cum.	SE	9	sm-cum. / cum.	E	9	sm-cum. / c-cum.	NE / ESE
„ 9, ...	2	str.	E	5	c-cum.	...	1	c.	NE	6	c. / cum.	SE / E
„ 10, ...	9	c-str. / cum-str.	...	6	cum.	S	10	str.	...	10	str. / cum-nim.	ESE
„ 11, ...	9	str.	...	9	cum-nim.	NE	10	str.	...	10	cum-str. / cum-nim.	SW / ESE
„ 12, ...	2	str.	...	6	cum.	NE	5	sm-cum.	W	4	c-cum. / cum.	SSW / E
„ 13, ...	10	nim.	ESE	10	nim.	...	10	cum-nim.	ESE	8	c-cum. / cum.	E
„ 14, ...	7	cum.	ESE	8	cum-nim.	NE	10	cum-nim.	ESE	5	c. / sm-cum.	WSW / SE
„ 15, ...	8	cum.	ESE	7	cum.	ESE	10	cum-nim.	ESE	7	cum. / c-cum.	E / WSW
„ 16, ...	2	str. / cum.	...	8	cum-nim.	SE	6	sm-cum.	SE	4	cum. / c-str. / cum.	E / S / E
„ 17, ...	10	nim.	NE	10	nim.	...	10	nim.	ENE	10	cum-nim.	ESE
„ 18, ...	10	cum.	SSW	10	nim.	SSW	10	cum-nim.	SSW	10	nim.	SSW
„ 19, ...	10	cum-nim.	SSE	10	nim.	S	10	nim.	SSE	10	cum-nim.	SSW
„ 20, ...	2	cum.	S	7	cum.	S	8	cum.	S	10	sm-cum. / cum.	SSE
„ 21, ...	2	c-str. / cum.	SSE	4	cum.	S	6	cum.	S	9	c-cum. / c-cum. / cum.	WSW / S / E
„ 22, ...	2	c-str.	...	4	cum.	SE	0	...	...	1	c. / cum.	...
„ 23, ...	0	...	...	4	c.	NW	0	...	...	0	...	...
„ 24, ...	3	sm-cum.	NE	8	cum.	N	4	c-cum.	NE	0	...	...
„ 25, ...	9	c-cum. / cum.	NNW	8	cum-nim.	NW	10	str. / cum-nim.	NW	10	str.	NW
„ 26, ...	10	nim.	...	10	nim.	SW	10	nim.	SW	10	cum-nim.	SW
„ 27, ...	10	c-str. / cum.	SSW	9	cum-nim.	SW	10	nim.	SSW	10	str. / nim.	SW
„ 28, ...	10	cum-nim.	...	10	nim.	SSW	10	nim.	...	10	nim.	SSW
„ 29, ...	10	cum-nim.	SSW	10	nim.	...	10	nim.	SSW	10	nim.	SSW
„ 30, ...	10	sm-cum. / cum-nim.	SW	10	cum-nim.	SW	10	str. / cum-nim.	S	10	nim.	S
„ 31, ...	9	sm-cum. / cum.	S	8	cum-nim.	NW	10	str. / cum-nim.	S	6	c-cum. / cum.	SSE
Mean, ...	6.8	...	...	7.5	...	...	7.8	...	...	7.6	...	...

TABLE XII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Daily and Monthly Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1885.													
Aug. 1,.....	10	str. / nim.	SW	10	str. / cum-nim.	WSW	10	str. / cum-nim.	WSW	10	cum-nim.	SW	10.0
" 2,.....	10	sm-cum. / cum-nim.	W / SW	10	sm-cum. / R-cum.	SW	10	nim.	SW	10	cum-nim.	SW	10.0
" 3,.....	10	nim.	...	10	str. / nim.	SW	10	nim.	SW	10	nim.	SSW	8.4
" 4,.....	10	cum-nim.	WSW	10	nim.	SSW	10	c-cum. / cum.	SSE	3	cum.	ESE	9.1
" 5,.....	7	c. / cum.	NNE / SSE	8	cum.	SSE	6	c. / cum.	NE / SSE	3	c-str.	...	6.9
" 6,.....	1	c. / cum.	W	0	...	...	0	...	...	0	...	...	2.2
" 7,.....	1	c. / cum.	NE / W	0	...	...	1	c-str.	ENE	1	c-str.	...	2.1
" 8,.....	9	sm-cum. / cum.	NE / ESE	8	sm-cum. / cum.	NE / ESE	8	sm-cum.	NE	6	cum.	ESE	7.0
" 9,.....	8	c-str. / cum.	NE / E	7	c-str. / cum.	NNE / NNE	10	c-str. / cum-str.	...	6	c-str. / cum-str.	...	5.6
" 10,.....	10	str. / cum-nim.	ESE	10	str. / cum-nim.	E	10	str. / cu-cum.	ENE	5	str.	...	8.8
" 11,.....	10	cum-str. / cum.	NW / ESE	10	str.	...	8	str.	...	1	str.	...	8.4
" 12,.....	3	sm-cum. / cum.	S / E	1	c-cum. / cum.	E	5	cum.	ESE	2	cum.	ESE	3.5
" 13,.....	6	c-cum. / R-cum.	NW / E	8	c-str. / cum.	E	8	c-str. / cum.	ESE	6	cum-nim.	ESE	8.2
" 14,.....	4	sm-cum. / cum.	SE / E	5	c-cum. / sm-cum.	WNW / SE	*5	cum.	E	5	cum.	E	6.1
" 15,.....	8	c-str. / cum.	WSW / E	9	cum. / c-str.	E / SE	9	c-str. / cum.	E	8	cum.	E	8.3
" 16,.....	7	c-str. / cum.	S / E	10	c-str.	S	10	nim.	NE	10	nim.	ENE	7.1
" 17,.....	10	nim.	E	10	nim.	S	10	nim.	S	10	nim.	SSW	10.0
" 18,.....	10	nim.	SSW	10	nim.	S	10	nim.	SW	10	nim.	SSW	10.0
" 19,.....	10	str. / cum-nim.	SSW	10	str. / cum-nim.	SSW	10	cum-nim.	S	10	c-str. / cum.	S	10.0
" 20,.....	10	c-str. / cum-nim.	S	10	c-str. / R-cum.	N / S	10	c-str. / cum.	S	6	c-str. / cum.	NNE / S	7.9
" 21,.....	6	c-cum. / cum.	N / S	4	c-cum. / cum.	N / S	2	c-str. / cum.	N / S	2	c-str.	N	4.4
" 22,.....	1	c. / cum.	E	1	c. / cum.	...	0	...	...	0	...	...	1.1
" 23,.....	1	cum.	NE	2	cum.	NNE	10	nim.	NE	10	cum.	NE	8.4
" 24,.....	1	c-str.	NE	9	str. / cum-nim.	NNE	9	c-cum.	N	10	c-cum.	N	5.5
" 25,.....	10	str. / cum-nim.	W	10	str. / nim.	W	10	nim.	W	10	str. / nim.	W	9.6
" 26,.....	10	cum-str. / cum-nim.	SW	10	str. / cum-nim.	SW	10	str. / cum-nim.	SSW	10	str. / cum-nim.	SSW	10.0
" 27,.....	10	cum. / cum-nim.	SW	10	c-cum. / cum-nim.	NE / SW	10	cum-nim.	SSW	10	cum. / cum-nim.	SW / S	9.9
" 28,.....	10	nim.	...	10	nim.	...	10	nim.	...	10	cum. / cum-nim.	SW / SSW	10.0
" 29,.....	10	nim.	SSW	10	str. / cum-nim.	SSW	10	str. / cum-nim.	SSW	10	nim.	...	10.0
" 30,.....	10	nim.	SSW	10	str. / cum-nim.	S	9	c-cum. / cum.	NE / S	8	c-str. / sm-cum.	.... / SW	9.6
" 31,.....	7	sm-cum. / cum-nim.	SSW	10	nim.	SSW	10	c-cum. / cum-str. / cum-nim.	SSW	10	cum. / nim.	S / SW	8.7
Mean,.....	7.4	...	...	7.8	...	...	8.1	...	...	6.8	...	...	7.5

* Interpolated.

TABLE XIII.

RAINFALL AT DIFFERENT STATIONS.

Date.	Observatory.		Stone Cutters' Island.	Victoria Peak.
	Amount.	Duration.	Amount.	Amount.
1885.	ins.	hrs.	ins.	ins.
Aug. 1,	2.820	9	3.86	3.35
" 2,	0.075	3	0.10	0.18
" 3,	4.100	15	4.05	4.96
" 4,	0.365	4	0.21	0.65
" 5,	...	...	0.02	...
" 6,	...	...	...	...
" 7,	...	...	...	...
" 8,	...	...	...	...
" 9,	...	...	...	...
" 10,	...	...	...	0.12
" 11,	...	...	...	...
" 12,	1.250	3	1.35	0.74
" 13,	0.130	1	0.10	...
" 14,	...	...	...	...
" 15,	...	...	0.08	...
" 16,	1.350	8	0.78	1.26
" 17,	0.700	18	1.43	1.75
" 18,	0.900	8	1.31	1.36
" 19,	0.045	1	0.20	0.34
" 20,	0.020	1	0.11	0.32
" 21,	...	...	...	...
" 22,	...	...	...	...
" 23,	1.000	4	0.42	0.52
" 24,	0.025	1	...	...
" 25,	7.570	9	5.90	9.20
" 26,	0.705	3	0.62	0.40
" 27,	1.215	6	1.34	1.45
" 28,	2.225	14	2.62	2.76
" 29,	1.000	11	1.55	1.36
" 30,	2.035	6	1.86	2.28
" 31,	0.585	4	0.90	0.37
Total,	28.115	129	28.81	33.37

W. Doberck,
Government Astronomer.

Hongkong Observatory, 4th November, 1885.

HONGKONG OBSERVATORY.

Weather Report for September, 1885.

In the *China Coast Meteorological Register*, based on information transmitted by the Great Northern and the Eastern Extension Telegraph Companies, which was daily published, is given a summary of the atmospheric circumstances in Luzon and along the Coast of China. It also contains information concerning the weather in Nagasaki and Wladivostock, and the first appearance and progress of typhoons.

Fog was noted in the afternoon on the 10th, in the morning on the 20th, the 21st, the 23rd and the 24th.

Dew fell in the evening on the 4th, the 9th, the 22nd, the 23rd, the 24th, the 25th, the 28th and in the morning on the 6th and the 26th.

Unusual visibility was noted on the 14th, the 24th and the 25th.

A rainbow was seen at 5.30 p. on the 27th, and at 4.30 p. on the 28th.

Faint lightning and thunder were observed in the afternoon on the 2nd and the 4th, and lightning in the morning on the 1st and in the afternoon on the 5th and the 6th, during the night between the 7th and the 8th, in the evening on the 11th and the 25th and during the night between the 25th and the 26th.

The Total Distance travelled by, as well as the Duration and average Velocity of Winds from different quarters were as follows:—

Direction.	*Total Distance.* Miles.	*Duration.* Hours.	*Velocity.* Miles per hour.
N	303	41	7.4
NE	729	77	9.5
E	3484	260	13.4
SE	213	26	8.2
S	255	44	5.8
SW	356	47	7.6
W	922	112	8.2
NW	244	48	5.1
Calm	36	65	0.6

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF SEPTEMBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Sep. 1, ...	29.685	29.654	29.653	29.641	29.641	29.662	29.673	29.698	29.709	29.698	29.677	29.657	29.643	29.618	29.605	29.600	29.606	29.619	29.625	29.640	29.658	29.671	29.676	29.660	29.653
" 2, ...	.646	.633	.618	.620	.619	.622	.635	.653	.643	.645	.643	.625	.599	.582	.568	.574	.579	.603	.627	.632	.639	.638	.649	.643	.622
" 3, ...	.626	.600	.585	.590	.605	.607	.630	.637	.638	.636	.629	.622	.592	.569	.548	.548	.554	.569	.592	.616	.622	.623	.608	.590	.601
" 4, ...	.584	.579	.575	.579	.584	.595	.615	.639	.646	.647	.648	.633	.601	.578	.570	.572	.575	.588	.600	.624	.643	.643	.641	.630	.608
" 5, ...	.614	.606	.594	.600	.607	.622	.634	.656	.655	.652	.643	.624	.603	.600	.590	.567	.567	.590	.603	.614	.635	.650	.643	.622	.616
" 6, ...	.610	.590	.588	.595	.599	.604	.617	.632	.636	.637	.642	.623	.595	.572	.574	.571	.571	.586	.611	.645	.670	.665	.658	.645	.614
" 7, ...	.682	.607	.592	.590	.609	.620	.618	.647	.659	.674	.653	.648	.623	.593	.575	.577	.584	.617	.621	.640	.657	.665	.656	.650	.625
" 8, ...	.627	.615	.605	.598	.588	.598	.607	.629	.646	.637	.620	.594	.565	.548	.548	.545	.531	.540	.546	.582	.608	.610	.601	.580	.590
" 9, ...	.571	.557	.538	.538	.543	.557	.574	.593	.603	.604	.595	.584	.546	.537	.536	.553	.546	.545	.553	.576	.589	.594	.586	.580	.567
" 10, ...	.576	.574	.566	.565	.564	.570	.581	.595	.602	.607	.602	.589	.551	.536	.528	.517	.522	.530	.549	.579	.600	.617	.615	.614	.573
" 11, ...	.606	.606	.604	.608	.609	.613	.631	.651	.661	.665	.661	.652	.634	.615	.600	.600	.602	.624	.641	.645	.652	.658	.647	.645	.630
" 12, ...	.643	.635	.621	.631	.634	.653	.667	.680	.694	.695	.687	.678	.651	.640	.636	.631	.627	.627	.646	.662	.678	.674	.686	.676	.656
" 13, ...	.660	.657	.650	.646	.653	.668	.686	.695	.709	.713	.708	.694	.683	.684	.682	.684	.688	.700	.720	.735	.732	.756	.761	.758	.698
" 14, ...	.740	.728	.724	.741	.747	.757	.781	.789	.794	.786	.788	.771	.749	.754	.755	.757	.761	.774	.812	.827	.839	.842	.841	.831	.779
" 15, ...	.825	.825	.814	.814	.822	.837	.854	.871	.875	.869	.865	.839	.816	.800	.787	.787	.791	.802	.814	.831	.847	.848	.846	.824	.829
" 16, ...	.818	.805	.799	.798	.801	.806	.814	.829	.838	.831	.813	.797	.766	.755	.758	.754	.763	.775	.790	.798	.807	.810	.791	.779	.796
" 17, ...	.779	.763	.762	.763	.779	.791	.804	.821	.824	.824	.818	.800	.778	.779	.779	.779	.781	.794	.803	.823	.838	.847	.838	.825	.799
" 18, ...	.819	.805	.805	.806	.821	.831	.847	.874	.877	.890	.890	.878	.845	.836	.830	.833	.829	.831	.838	.851	.866	.860	.854	.856	.845
" 19, ...	.843	.840	.836	.830	.837	.846	.860	.873	.878	.877	.871	.854	.833	.810	.799	.799	.801	.802	.811	.828	.841	.849	.839	.835	.837
" 20, ...	.823	.823	.818	.821	.824	.839	.850	.861	.866	.866	.856	.841	.815	.799	.793	.788	.796	.804	.819	.835	.856	.871	.866	.870	.833
" 21, ...	.854	.850	.839	.845	.859	.866	.891	.906	.919	.919	.902	.891	.868	.848	.836	.832	.839	.850	.859	.870	.893	.900	.896	.887	.872
" 22, ...	.881	.874	.860	.860	.866	.877	.891	.917	.919	.923	.915	.890	.854	.822	.808	.802	.794	.805	.814	.832	.854	.859	.856	.850	.859
" 23, ...	.843	.826	.818	.818	.820	.830	.846	.857	.862	.862	.843	.822	.792	.775	.761	.761	.761	.774	.792	.801	.813	.824	.813	.802	.813
" 24, ...	.781	.785	.793	.776	.787	.797	.808	.824	.830	.843	.836	.819	.791	.770	.753	.749	.747	.750	.756	.777	.789	.789	.787	.785	.788
" 25, ...	.785	.787	.781	.777	.788	.804	.821	.838	.847	.845	.839	.817	.785	.764	.751	.748	.747	.763	.777	.800	.819	.832	.847	.847	.800
" 26, ...	.842	.838	.835	.836	.839	.850	.862	.873	.888	.887	.888	.867	.853	.846	.841	.842	.851	.853	.868	.893	.904	.916	.918	.922	.867
" 27, ...	.914	.902	.897	.894	.906	.918	.930	.941	.953	.942	.941	.927	.902	.892	.891	.895	.900	.905	.920	.946	.958	.963	.950	.957	.923
" 28, ...	.953	.936	.927	.923	.930	.948	.957	.974	.977	.978	.966	.948	.935	* .923	.911	.912	.912	.920	.935	.958	.977	.982	.976	.975	.947
" 29, ...	.960	.949	.941	.942	.941	.947	.963	.970	.970	.984	.976	.960	.941	.931	.917	.922	.930	.940	.956	.977	.975	.975	.970	.966	.954
" 30, ...	.960	.950	.939	.930	.933	.943	.959	.971	.982	.984	.973	.953	.931	.915	.909	.905	.913	.918	.930	.943	.959	.958	.959	.956	.945
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	29.750	29.740	29.732	29.733	29.738	29.749	29.764	29.780	29.787	29.787	29.779	29.763	29.738	29.723	29.715	29.713	29.716	29.727	29.741	29.759	29.775	29.780	29.776	29.769	29.751

* Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF SEPTEMBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means	Max.	Min
Sep. 1	79.1	79.7	78.4	78.3	78.3	77.5	78.5	78.8	79.8	81.9	84.4	84.5	85.1	85.2	83.4	83.0	82.7	81.8	81.3	80.5	80.2	79.7	80.0	79.8	80.9	85.4	77.5
„ 2	79.6	79.3	79.1	79.1	79.1	79.3	79.7	77.5	79.9	81.4	83.6	82.7	83.1	82.6	82.7	81.7	81.7	81.1	78.7	79.0	78.6	78.4	78.2	78.2	80.2	84.4	76.8
„ 3	78.3	78.1	78.1	78.2	77.8	77.4	77.8	79.8	79.6	80.8	81.9	82.7	82.0	81.7	83.7	84.2	82.9	81.3	81.6	80.7	80.4	80.4	79.8	79.7	80.4	84.6	77.2
„ 4	79.3	79.3	78.7	78.5	78.4	78.0	79.1	80.3	82.8	83.7	83.4	82.9	83.7	86.3	85.7	84.9	82.1	81.5	80.1	79.7	79.4	79.2	78.8	78.5	81.1	86.4	78.0
„ 5	78.2	78.2	78.2	77.5	77.9	78.0	79.5	81.6	82.3	82.8	83.0	84.4	86.4	85.1	80.5	80.5	80.2	80.0	79.4	79.4	79.3	79.3	79.2	78.7	80.4	83.3	77.5
„ 6	78.7	78.0	78.0	77.6	77.5	77.5	78.9	80.8	82.0	82.7	83.5	82.7	84.2	84.1	84.5	84.1	82.7	81.4	80.7	80.5	80.4	80.3	79.9	79.6	80.8	84.9	77.2
„ 7	79.0	79.6	79.5	77.1	77.7	76.9	77.5	77.7	76.7	76.7	77.3	77.7	78.3	79.7	80.2	79.9	78.2	77.8	77.7	77.3	77.7	78.4	77.8	77.8	78.1	80.3	76.6
„ 8	77.8	77.6	75.9	75.8	76.8	76.1	77.7	78.4	80.3	80.7	82.5	80.9	82.7	81.7	80.3	79.6	78.5	78.5	78.5	78.5	78.4	78.4	78.3	78.2	78.8	84.3	75.4
„ 9	77.7	77.8	77.9	77.9	77.5	77.9	76.7	77.7	77.7	77.1	76.7	78.4	80.9	81.5	81.7	77.4	76.3	75.8	75.6	75.5	75.5	75.7	75.8	75.8	77.4	82.2	75.5
„ 10	74.5	74.5	74.7	75.0	75.2	75.7	76.4	76.3	77.1	76.9	77.2	76.5	78.4	77.7	78.2	79.7	77.7	77.3	76.9	76.0	76.8	76.7	76.7	75.5	76.6	79.8	74.4
„ 11	75.3	75.2	75.0	74.9	75.0	75.2	75.5	76.0	76.1	77.0	77.6	77.8	78.2	79.7	79.8	80.4	80.0	79.7	79.3	79.7	79.7	79.6	78.8	78.9	77.7	80.6	74.6
„ 12	77.9	77.6	77.6	77.6	76.8	76.2	76.4	76.5	77.5	81.4	81.9	82.3	81.9	82.4	81.9	80.8	79.8	78.1	79.0	79.1	78.7	78.6	78.2	79.2	82.7	76.1	
„ 13	78.0	77.4	77.4	77.1	77.9	77.8	78.7	79.4	79.7	81.0	82.0	81.2	80.8	78.6	78.5	78.7	79.4	79.3	78.7	78.7	78.1	76.9	77.8	79.0	78.8	82.5	76.9
„ 14	79.0	79.0	79.4	79.0	78.5	78.5	78.7	80.0	80.9	81.8	82.2	82.9	82.8	83.4	83.2	82.8	82.2	78.8	78.4	77.6	77.3	75.9	75.5	75.5	79.7	83.4	75.5
„ 15	75.1	75.7	75.4	75.0	75.0	75.4	76.2	77.0	78.7	79.1	78.9	79.5	79.9	79.7	79.7	80.0	77.7	76.4	76.0	75.8	76.0	76.1	76.1	76.3	77.1	80.0	74.7
„ 16	76.2	76.7	76.6	76.4	76.9	76.5	76.7	78.4	79.8	80.7	80.7	80.8	80.2	79.3	78.3	76.9	74.6	73.9	73.9	73.1	73.8	74.3	75.0	75.5	76.9	80.9	73.1
„ 17	75.9	76.1	75.8	75.3	74.4	74.9	74.5	74.7	76.3	76.1	78.8	79.1	79.3	77.7	76.7	77.7	77.6	77.1	77.7	77.9	78.1	78.0	78.1	78.2	76.9	79.9	74.1
„ 18	77.9	77.5	77.2	76.9	76.8	76.9	77.3	78.4	77.5	77.7	78.7	78.5	79.5	79.1	78.7	78.6	77.9	77.4	76.9	76.8	76.7	76.7	76.6	76.6	77.6	79.5	76.6
„ 19	76.6	76.5	76.4	76.3	76.3	76.3	76.6	77.5	78.5	78.8	78.7	79.5	79.5	79.3	78.7	78.4	78.3	77.2	76.7	76.7	76.7	76.7	76.0	76.0	77.4	79.5	75.9
„ 20	75.5	75.4	75.2	75.3	74.7	74.7	75.9	78.9	79.6	78.7	80.5	80.9	81.2	80.5	80.0	79.4	79.9	78.2	77.5	76.8	76.6	76.9	76.6	76.9	77.7	81.2	74.5
„ 21	77.2	76.4	76.1	76.4	76.3	76.1	77.2	78.7	78.7	80.5	81.0	81.1	81.2	80.8	80.9	79.7	79.3	78.4	78.2	78.1	78.0	78.0	78.2	78.1	78.6	81.2	75.8
„ 22	77.9	77.6	77.3	77.7	77.5	77.4	78.2	79.3	79.7	80.2	80.6	80.9	81.7	81.4	80.9	80.2	79.0	78.2	77.9	77.4	77.3	76.8	76.4	76.9	78.7	81.7	76.4
„ 23	76.9	77.1	76.7	76.5	76.6	76.8	77.5	79.7	81.7	82.0	82.3	82.7	82.2	80.9	81.7	80.4	80.4	79.5	79.1	78.9	78.8	78.8	78.4	78.1	79.3	83.2	76.4
„ 24	78.3	78.3	77.9	77.7	77.6	77.7	78.7	79.8	79.7	81.0	80.8	83.9	84.7	85.7	84.4	84.1	82.4	80.7	79.6	79.3	79.2	79.1	79.4	79.4	80.4	85.7	77.6
„ 25	78.9	79.1	79.1	79.2	79.0	79.3	79.9	80.7	81.8	82.8	83.3	83.9	84.7	85.7	85.7	85.7	82.8	81.7	81.5	81.3	80.1	80.0	79.7	79.9	81.5	85.7	78.7
„ 26	79.5	79.5	79.1	78.6	78.4	77.8	78.4	79.9	82.3	83.7	84.9	83.4	82.7	82.0	80.8	79.7	79.5	78.8	78.4	78.1	77.8	77.6	77.5	77.1	79.8	84.9	77.1
„ 27	74.9	74.5	74.1	74.6	75.2	75.2	75.7	76.7	77.5	78.4	78.3	76.5	78.2	78.4	76.2	77.5	77.0	76.5	76.2	75.8	75.8	76.0	75.9	75.9	76.3	79.1	74.1
„ 28	75.5	75.6	75.4	75.7	75.7	75.6	76.2	77.7	79.2	80.2	80.5	80.7	81.4	79.8	79.2	79.9	78.7	78.0	77.6	77.2	76.9	76.8	76.3	75.8	77.7	81.4	75.4
„ 29	75.7	75.6	75.1	74.0	74.8	74.6	74.9	76.8	78.7	78.7	79.3	79.7	79.8	79.0	78.9	78.7	78.5	78.5	76.0	75.0	75.9	77.8	77.9	78.0	77.2	80.2	73.6
„ 30	77.7	77.7	77.1	77.3	77.3	76.9	77.5	78.6	79.5	78.7	79.3	79.7	79.4	79.5	78.9	78.4	77.8	77.3	77.0	76.9	76.8	76.8	76.8	76.6	77.9	79.7	76.6
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means	77.4	77.4	77.1	76.9	76.9	76.8	77.4	78.5	79.4	80.1	80.8	80.9	81.5	81.3	80.8	80.5	79.6	78.7	78.2	77.9	77.8	77.8	77.7	77.6	78.7	82.5	76.0

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF SEPTEMBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Sun.	Rad.
Sep. 1	77.8	78.2	77.3	77.2	77.3	76.7	77.3	77.2	77.6	77.9	77.6	77.6	77.6	77.9	76.6	77.5	77.5	77.4	77.4	77.7	77.7	77.7	77.6	77.6	77.5	146.6	75.0
„ 2	77.2	77.1	77.1	77.0	77.2	77.3	77.8	74.8	76.5	77.4	78.8	78.5	78.2	78.3	78.1	77.8	78.4	77.9	76.3	74.9	75.2	75.2	74.8	74.1	76.9	147.8	75.8
„ 3	74.7	75.1	75.5	74.6	74.4	74.7	74.7	76.0	75.6	76.4	76.6	77.1	76.7	76.3	77.1	76.4	76.3	75.4	75.4	77.2	77.6	77.3	77.0	76.9	76.0	152.7	75.0
„ 4	76.6	75.5	76.1	75.7	75.7	75.6	76.8	76.6	77.4	77.8	76.7	78.6	80.3	78.4	77.6	77.3	76.5	76.8	76.9	77.4	77.4	76.9	76.9	76.8	77.0	142.3	73.4
„ 5	76.9	77.1	76.9	76.6	77.2	76.7	77.9	78.7	78.8	78.0	76.9	77.9	79.3	78.6	75.9	76.6	76.5	77.1	76.8	77.0	76.9	76.7	77.2	77.1	77.3	153.8	77.8
„ 6	76.8	76.5	76.5	76.3	76.1	76.2	77.3	77.7	78.3	77.5	78.6	77.9	78.9	78.8	78.4	78.1	78.0	77.3	77.2	77.1	77.1	77.1	77.1	77.4	77.4	145.4	75.1
„ 7	76.6	77.0	77.0	75.1	76.4	75.4	76.1	76.6	76.1	75.7	76.0	76.2	75.8	76.4	76.8	76.6	76.5	76.5	76.5	76.2	76.4	76.9	76.6	76.6	76.3	117.2	75.6
„ 8	76.6	76.5	74.4	74.9	75.6	75.2	76.0	76.1	76.6	76.7	77.1	76.8	78.0	77.4	76.8	77.2	76.0	75.9	76.6	77.1	76.4	76.8	76.8	76.7	76.4	145.8	74.8
„ 9	76.4	76.3	76.2	76.2	75.9	76.0	75.1	75.8	75.8	74.8	74.9	75.2	75.7	76.4	76.4	74.9	74.1	73.5	73.7	74.4	74.2	74.1	74.6	74.7	75.2	127.3	75.8
„ 10	74.0	74.2	74.0	74.1	74.3	74.8	74.8	74.5	74.6	75.5	75.0	75.4	76.5	75.9	76.8	76.6	75.9	75.7	75.8	75.6	75.9	75.3	75.2	74.8	75.2	110.7	74.9
„ 11	74.8	74.5	74.4	74.0	73.9	73.8	74.5	74.6	74.6	74.5	74.6	74.9	74.9	74.6	75.5	75.0	75.2	75.7	75.5	75.8	76.1	76.0	75.7	75.0	75.0	116.7	74.9
„ 12	75.1	74.8	74.5	74.3	74.2	74.4	74.8	74.6	75.3	75.6	75.6	76.0	76.7	76.0	75.6	75.6	74.0	73.8	74.5	73.9	74.3	74.8	74.8	74.5	74.9	146.0	75.6
„ 13	74.9	75.1	74.6	74.8	74.6	74.5	74.5	74.4	74.6	74.6	75.1	75.2	75.0	75.7	75.5	74.6	75.0	73.9	74.0	73.6	73.2	73.7	71.8	71.5	74.4	145.8	74.7
„ 14	71.2	69.2	67.7	67.2	67.3	66.4	66.1	66.0	66.0	66.1	66.6	67.7	67.3	68.1	70.0	68.6	69.3	69.5	69.4	69.8	69.5	69.9	70.5	70.4	68.3	139.8	70.4
„ 15	70.8	70.0	69.7	67.1	66.9	68.1	68.6	68.4	69.6	69.8	69.9	70.4	70.8	71.1	70.8	71.4	72.2	72.2	72.5	72.9	73.0	72.6	72.4	71.6	70.5	139.8	68.7
„ 16	71.9	71.2	71.7	71.6	71.1	71.8	71.8	72.5	72.6	72.5	71.7	71.8	72.6	71.6	71.6	70.8	71.4	70.9	71.7	70.6	70.0	69.7	69.6	70.1	71.4	149.4	71.3
„ 17	70.6	71.4	71.5	71.1	71.1	71.7	71.6	71.3	71.7	72.2	73.3	73.5	73.4	73.2	73.6	73.2	73.3	73.3	73.4	73.3	73.9	74.6	74.8	74.4	72.7	143.3	71.8
„ 18	74.6	74.4	74.0	73.9	73.5	73.4	73.6	73.6	74.0	73.8	72.7	72.6	72.3	72.3	71.5	71.4	71.5	71.3	71.2	71.9	71.7	71.6	71.6	71.5	72.7	140.7	†72.0
„ 19	71.8	71.7	71.8	71.3	71.8	71.9	72.4	73.6	74.2	73.5	73.6	73.6	74.2	73.5	73.5	73.0	73.6	73.4	73.2	72.8	72.8	72.6	72.6	72.1	72.9	145.7	†73.5
„ 20	72.1	72.4	72.6	72.9	72.5	72.7	73.7	74.2	74.7	74.5	75.3	75.5	75.6	75.1	74.6	74.7	74.7	73.9	73.6	73.2	73.2	73.6	73.0	73.6	73.8	141.8	†70.7
„ 21	73.5	73.8	73.1	73.6	74.1	74.0	75.1	74.6	75.3	75.0	75.6	75.2	75.5	75.4	73.5	73.8	72.6	72.4	72.4	72.6	73.4	73.8	73.8	74.4	74.0	140.2	71.8
„ 22	74.5	73.8	73.9	74.3	73.0	73.2	74.3	73.6	73.2	73.0	73.4	73.6	73.1	72.7	71.9	72.2	71.9	72.3	72.6	72.2	72.6	72.6	73.1	74.2	73.1	137.1	71.9
„ 23	73.9	74.3	74.4	74.4	74.4	74.4	74.8	75.6	76.1	76.1	76.1	76.1	76.6	76.2	76.8	76.6	76.2	76.4	76.6	76.7	76.2	76.4	75.9	76.2	75.7	147.8	71.7
„ 24	75.8	75.8	75.7	75.8	75.9	75.7	76.6	76.8	76.9	76.8	76.8	75.8	76.2	75.7	76.3	76.6	76.5	75.0	74.9	75.2	75.4	75.8	75.8	75.6	76.0	148.7	73.6
„ 25	75.3	75.0	76.0	76.0	75.8	75.8	77.1	76.7	76.6	76.6	77.3	77.4	77.6	78.1	77.9	78.3	78.2	77.5	77.3	77.0	77.0	76.9	77.2	77.3	76.9	141.7	73.1
„ 26	73.9	73.8	71.3	71.8	71.9	71.6	72.1	72.2	73.2	73.5	74.3	73.9	73.1	73.4	74.6	74.7	74.9	74.6	74.5	74.9	74.7	74.6	74.4	74.2	73.5	153.3	71.3
„ 27	71.8	72.8	72.8	72.9	73.5	72.8	72.9	73.5	73.2	73.1	73.3	72.8	74.1	72.9	72.8	73.2	73.4	72.6	72.6	72.9	72.8	72.5	72.6	72.0	72.9	147.3	72.6
„ 28	72.4	72.2	72.4	72.3	72.0	70.6	71.0	71.1	72.4	73.3	73.8	73.3	74.1	73.4	73.2	73.4	72.7	72.8	72.9	73.0	72.9	72.8	73.2	73.2	72.7	142.0	70.3
„ 29	73.5	73.1	72.3	71.7	71.6	71.5	71.2	72.6	72.6	72.3	71.9	72.7	72.6	72.7	72.2	72.5	72.6	72.6	71.9	71.6	72.7	72.2	72.1	72.0	72.3	148.8	70.7
„ 30	72.3	72.5	72.3	72.1	72.2	71.4	65.5	68.5	70.8	71.1	70.7	70.6	69.8	71.3	70.6	72.0	71.5	70.9	71.2	71.1	72.0	72.1	72.1	71.9	71.1	140.0	74.4
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means	74.3	74.2	73.9	73.7	73.7	73.6	73.8	74.1	74.5	74.5	74.6	74.8	75.1	74.9	74.8	74.7	74.5	74.3	74.3	74.3	74.4	74.4	74.4	74.2	74.3	141.3	73.3

† Approximate.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF SEPTEMBER, 1885.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1885.		
1 a.	86	0.808	Sept. 1,.....	85	0.899
2 „	85	0.804	„ 2,.....	86	0.882
3 „	85	0.795	„ 3,.....	80	0.839
4 „	85	0.790	„ 4,.....	83	0.874
5 „	85	0.790	„ 5,.....	87	0.897
6 „	85	0.787	„ 6,.....	85	0.896
7 „	84	0.787	„ 7,.....	92	0.884
8 „	80	0.784	„ 8,.....	89	0.878
9 „	78	0.790	„ 9,.....	90	0.846
10 „	76	0.780	„ 10,.....	93	0.856
11 „	74	0.775	„ 11,.....	88	0.833
Noon.	74	0.782	„ 12,.....	81	0.809
1 p	78	0.786	„ 13,.....	80	0.793
2 „	73	0.780	„ 14,.....	53	0.540
3 „	74	0.788	„ 15,.....	71	0.659
4 „	75	0.782	„ 16,.....	75	0.696
5 „	78	0.787	„ 17,.....	81	0.748
6 „	80	0.790	„ 18,.....	78	0.739
7 „	82	0.797	„ 19,.....	80	0.750
8 „	84	0.801	„ 20,.....	82	0.783
9 „	84	0.807	„ 21,.....	80	0.779
10 „	84	0.807	„ 22,.....	76	0.740
11 „	85	0.808	„ 23,.....	85	0.842
Midt.	84	0.801	„ 24,.....	80	0.839
			„ 25,.....	81	0.864
			„ 26,.....	73	0.742
			„ 27,.....	84	0.765
			„ 28,.....	78	0.738
			„ 29,.....	77	0.729
			„ 30,.....	70	0.671
Mean, ...	81	0.792	Mean,.....	81	0.794

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1885.														
Sept. 1,	...	...	...	0.5	1.0	1.0	1.0	1.0	0.6	...	...	...	...	5.1
„ 2,	...	...	0.1	0.8	1.0	0.2	0.3	...	...	...	...	...	...	2.4
„ 3,	...	...	0.5	1.0	1.0	0.5	...	...	0.2	0.9	0.9	0.1	...	5.1
„ 4,	...	0.5	...	0.3	1.0	0.9	1.0	1.0	1.0	1.0	0.7	...	...	7.4
„ 5,	0.1	1.0	1.0	0.9	0.8	0.6	0.8	1.0	0.5	...	0.2	...	...	6.9
„ 6,	...	1.0	1.0	1.0	0.8	1.0	0.4	0.9	0.9	0.9	0.8	0.5	...	9.2
„ 7,	...	...	...	...	...	...	...	...	...	0.2	...	...	...	0.2
„ 8,	...	0.7	0.3	1.0	0.4	0.5	0.9	1.0	0.2	...	...	...	...	5.0
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 12,	...	...	...	0.1	1.0	1.0	1.0	1.0	0.2	0.4	0.1	...	...	4.8
„ 13,	...	...	...	0.9	1.0	0.3	...	...	...	...	...	...	...	2.2
„ 14,	0.1	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	10.7
„ 15,	...	0.1	0.5	0.8	1.0	1.0	0.9	1.0	0.9	1.0	0.7	...	...	7.9
„ 16,	...	0.1	0.1	0.3	0.8	0.1	0.2	0.7	...	...	...	...	...	2.3
„ 17,	...	...	...	...	...	0.5	0.6	0.5	...	...	0.6	0.4	...	2.6
„ 18,	...	0.2	0.7	0.4	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.4	...	8.6
„ 19,	...	...	...	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	7.7
„ 20,	...	0.9	1.0	1.0	0.5	0.7	1.0	1.0	1.0	1.0	0.8	0.9	...	9.8
„ 21,	...	0.1	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	...	9.5
„ 22,	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	10.6
„ 23,	...	0.5	1.0	1.0	1.0	1.0	1.0	0.7	...	0.1	0.2	0.3	...	6.8
„ 24,	...	0.9	0.3	0.7	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	9.7
„ 25,	...	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	10.4
„ 26,	...	1.0	1.0	1.0	1.0	1.0	0.5	0.4	0.7	...	...	...	...	6.6
„ 27,	...	...	0.1	0.4	0.8	0.2	...	...	...	...	...	0.2	...	1.7
„ 28,	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0.1	0.8	0.3	...	7.6
„ 29,	...	...	...	...	...	1.0	0.1	0.5	...	...	...	...	...	1.6
„ 30,	...	...	0.3	0.9	1.0	1.0	1.0	1.0	1.0	0.1	0.1	...	...	6.4
Sums,.....	0.2	9.0	12.1	18.0	21.6	20.5	18.7	19.7	14.5	12.6	12.9	9.0	...	168.8
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF SEPTEMBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.
Sept. 1,	...	0·010	0·295	0·040	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·345
„ 2,	...	...	...	...	...	...	0·095	0·090	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·185
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	0·005
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·200	0·015	...	...	...	0·010	0·005	0·005	0·005	...	0·240
„ 6,	0·005	0·005	...	0·005	...	...	...	...	...	...	...	0·010	...	...	...	...	0·005	...	...	...	0·005	...	...	...	0·035
„ 7,	0·005	...	0·045	0·530	0·690	0·310	0·030	0·125	0·285	0·145	0·080	...	...	...	...	...	...	...	...	...	...	0·025	...	...	2·270
„ 8,	...	0·005	0·020	...	...	...	...	...	...	...	...	...	...	0·050	...	...	...	...	...	...	...	...	...	...	0·075
„ 9,	...	...	...	...	...	...	0·050	...	...	...	0·030	...	...	...	...	0·200	0·010	0·030	...	...	...	...	...	...	0·320
„ 10,	0·390	0·015	...	0·015	0·040	...	...	0·010	...	0·030	0·200	0·040	0·040	0·010	0·015	...	...	...	...	0·095	...	0·020	...	0·035	0·955
„ 11,	0·165	0·270	0·310	0·065	0·015	0·035	0·015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·875
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	0·045	0·025	...	...	...	...	...	...	...	...	...	0·070
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·015	...	...	...	...	...	...	0·015
„ 17,	...	...	...	...	0·015	...	0·040	...	...	...	...	...	...	...	0·015	...	...	...	...	...	...	...	...	...	0·070
„ 18,	0·005	...	...	...	...	...	...	...	0·035	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·040
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	0·055	0.055	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·110
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	0·185	0·040	...	...	...	...	0·235
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·625	0·360	0·670	0·655	0·760	0·355	0·230	0·225	0·320	0·175	0·310	0·050	0·040	0·110	0·255	0·215	0·015	0·045	0·185	0·145	0·010	0·050	0·005	0·035	5·845

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND, FOR THE MONTH OF SEPTEMBER, 1885.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Sums.	Means.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
Sept. 1	14	4	16	7	19	5	18	3	28	6	29	4	29	5	29	3	...	1	18	5	20	11	18	11	18	13	18	12	18	6	18	6	17	6	17	4	17	3	...	0	14	4	14	2	...	1	...	0	122	5.1
" 2	...	0	16	2	...	1	...	0	...	0	...	1	20	7	23	6	27	4	26	7	25	10	22	11	23	10	22	7	22	5	23	6	23	3	24	3	26	11	27	3	26	5	26	2	23	8	26	3	122	5.1
" 3	24	2	...	0	17	3	26	8	27	5	23	8	24	4	26	2	24	9	22	9	23	11	23	13	23	11	23	7	23	9	24	9	23	8	23	9	22	10	20	11	25	5	26	10	25	7	24	11	181	7.5
" 4	23	7	23	9	23	10	23	3	23	7	24	2	24	3	...	1	24	2	20	3	22	6	11	6	9	4	4	4	17	8	20	6	26	4	29	2	31	2	...	0	...	1	4	4	4	3	4	4	101	4.2
" 5	4	4	...	1	4	3	...	0	4	3	4	2	4	2	32	2	28	4	27	7	20	11	17	6	18	11	5	12	10	8	5	3	3	...	1	...	1	...	0	2	...	1	9	4	9	3	8	3	94	3.9
" 6	9	3	9	2	9	2	9	2	...	0	...	1	...	1	9	5	9	9	10	4	8	11	8	13	10	9	9	14	9	16	10	16	6	20	5	18	3	18	2	18	3	...	1	29	2	28	6	118	4.9
" 7	30	3	30	3	28	4	24	12	22	12	29	9	29	4	27	10	29	9	...	1	30	8	30	4	3	5	...	0	...	0	9	5	8	10	10	4	9	5	9	3	7	4	6	3	9	5	8	5	123	5.1
" 8	8	3	20	9	27	8	28	4	20	5	10	3	8	3	8	3	8	5	8	7	8	5	15	9	6	17	6	18	12	12	13	10	16	7	29	6	29	3	...	1	...	0	28	3	30	3	30	2	30	2	140	5.8
" 9	28	5	22	4	...	1	24	2	...	0	24	3	25	7	27	8	25	4	25	8	23	9	22	5	18	7	21	8	23	3	20	5	18	11	21	8	25	2	...	0	25	2	...	0	...	0	25	2	87	3.6
" 10	24	5	24	2	...	1	...	1	...	1	...	0	...	1	31	3	30	2	10	3	20	5	29	6	28	3	30	3	30	5	2	5	25	4	25	5	25	8	25	11	23	13	24	16	25	16	24	14	133	5.5
" 11	24	13	24	10	24	9	27	11	27	7	27	10	27	8	24	10	24	10	23	9	24	12	25	12	24	12	23	13	22	14	21	14	20	16	21	18	21	17	21	14	21	10	22	7	23	9	23	9	275	11.5
" 12	23	6	23	8	23	10	23	10	23	12	23	9	23	12	25	12	26	15	26	11	23	15	23	14	23	13	22	12	22	14	23	12	23	11	23	8	23	6	23	8	23	7	23	6	23	6	29	6	244	10.2
" 13	29	2	...	1	29	5	24	5	24	7	24	11	25	8	25	6	25	8	23	7	24	6	24	6	24	6	30	9	1	3	32	9	29	2	2	6	1	6	1	4	32	4	29	2	32	5	2	6	134	5.6
" 14	1	6	3	8	2	11	2	7	4	5	2	6	2	6	2	14	2	17	2	20	2	19	32	24	32	28	32	23	1	18	32	17	4	11	9	8	9	4	9	4	...	0	...	0	9	3	258	10.7
" 15	9	6	4	6	5	4	2	8	1	4	1	3	1	4	1	8	8	6	6	11	8	13	10	8	10	13	9	20	9	16	10	16	8	22	8	14	7	12	7	9	7	7	7	7	6	5	6	229	9.5
" 16	5	6	3	6	2	5	3	5	3	9	4	8	2	6	3	5	3	4	5	12	4	15	6	15	8	22	8	23	8	23	7	24	7	22	7	23	7	24	7	26	6	19	6	14	7	17	7	17	352	14.7
" 17	7	16	6	18	5	21	4	13	3	5	5	6	3	8	6	16	6	18	5	20	6	29	6	29	6	29	6	29	6	26	7	25	7	21	7	19	7	27	7	25	7	29	7	24	6	24	7	23	500	20.8
" 18	7	25	7	21	6	23	6	23	7	21	7	21	7	24	7	23	7	25	6	23	8	30	8	31	8	27	9	32	9	31	9	26	9	26	8	22	8	22	8	19	8	18	8	20	8	19	8	21	577	24.0
" 19	8	20	8	18	8	18	7	18	7	11	7	12	6	13	6	13	7	16	7	17	9	22	8	20	8	19	9	19	9	22	9	18	9	14	9	14	10	9	10	3	10	5	10	2	10	2	...	1	321	13.4
" 20	10	8	...	0	...	1	10	2	10	2	...	1	...	1	10	2	10	8	11	8	11	9	12	9	13	9	13	8	13	10	11	15	9	15	7	15	2	15	4	15	6	15	4	...	0	145	6.0
" 21	15	4	12	4	...	1	12	2	...	1	...	1	...	1	8	7	9	10	9	14	9	17	9	19	9	17	9	17	8	18	8	16	8	16	8	11	9	12	9	10	9	8	8	9	8	10	9	13	238	9.9
" 22	10	7	9	8	9	7	9	10	8	9	8	7	7	7	7	11	8	14	9	17	9	18	10	18	10	16	9	20	8	18	8	18	8	17	9	17	8	13	8	7	7	6	8	5	8	3	8	6	277	11.5
" 23	8	5	8	6	8	5	...	1	...	1	8	2	8	3	8	5	3	9	6	9	10	10	14	10	9	18	8	16	8	13	8	13	9	13	8	11	8	13	8	10	8	6	8	6	8	5	8	2	194	8.1
" 24	9	3	10	2	...	1	...	0	...	0	...	1	...	1	32	5	28	3	23	3	16	8	20	8	22	13	18	9	17	11	18	7	17	7	17	8	17	4	17	5	17	3	17	3	17	3	18	6	114	4.8
" 25	18	2	18	2	18	2	18	3	18	3	21	2	21	3	21	7	22	8	23	8	24	11	24	11	24	9	24	9	22	7	22	10	18	9	19	10	19	4	19	2	19	2	30	1	4	1	3	1	134	5.6
" 26	32	8	32	3	32	8	1	6	3	4	3	4	32	5	7	4	9	4	10	3	10	9	10	18	9	19	9	20	9	22	9	19	9	12	9	11	8	10	8	7	8	8	10	5	10	3	7	14	227	9.5
" 27	4	9	11	10	8	13	8	9	8	4	8	5	5	6	...	0	6	4	7	5	8	6	13	4	11	5	11	6	12	4	11	7	12	5	11	7	9	7	8	7	11	6	8	5	8	5	9	2	207	8.6
" 28	...	0	...	1	...	1	2	3	3	4	4	4	4	2	9	4	9	8	10	13	11	15	10	12	10	11	8	16	8	13	9	12	9	10	9	10	9	10	8	7	9	3	...	0	...	0	...	0	159	6.6
" 29	...	0	7	10	6	15	4	12	6	13	7	10	5	5	5	13	6	13	6	12	8	19	9	20	10	21	9	20	9	20	8	20	8	18	9	20	8	14	4	8	9	8	7	15	7	14	7	15	332	13.8
" 30	7	14	7	16	8	16	6	19	6	19	7	25	7	24	7	20	7	17	7	20	8	22	8	21	9	23	10	25	8	19	9	16	9	13	8	11	7	10	7	11	7	13	7	10	5	10	6	10	404	16.8
Sums	...	191	...	197	...	214	...	196	...	183	...	185	...	180	...	225	...	269	...	305	...	400	...	418	...	419	...	426	...	397	...	383	...	331	...	306	...	277	...	226	...	210	...	193	...	198	...	216	6542	272.3
Hourly Means	...	6.4	...	6.6	...	7.1	...	6.5	...	6.1	...	6.2	...	6.0	...	7.5	...	9.0	...	10.2	...	13.3	...	13.9	...	14.0	...	14.2	...	13.2	...	12.8	...	11.0	...	10.2	...	9.2	...	7.5	...	7.0	...	6.5	...	6.6	...	7.2	218.1	9.1

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR SEPTEMBER, 1885.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	1.2	3.9	0.4	1.3	+ 0.7	+ 2.6	E 15° N
2 ,,	0.9	4.1	1.0	1.3	— 0.1	2.7	E 2° S
3 ,,	2.2	4.0	0.3	1.5	+ 1.9	2.5	E 37° N
4 ,,	2.3	3.3	0.2	1.7	+ 2.1	1.6	E 53° N
5 ,,	1.6	3.2	0.4	1.9	+ 1.3	1.3	E 45° N
6 ,,	1.4	3.4	0.1	1.8	+ 1.3	1.6	E 38° N
7 ,,	1.8	3.1	0.2	1.6	+ 1.6	1.5	E 47° N
8 ,,	2.1	4.2	0.2	1.8	+ 1.9	2.4	E 38° N
9 ,,	1.8	5.5	0.2	2.4	+ 1.6	3.1	E 27° N
10 ,,	2.3	6.3	0.7	2.3	+ 1.6	4.0	E 22° N
11 ,,	1.5	8.2	1.9	3.1	— 0.5	5.1	E 6° S
Noon.	1.8	8.8	1.9	2.7	— 0.1	6.1	E 1° S
1 p.	1.5	9.1	1.7	2.8	— 0.2	6.3	E 2° S
2 ,,	1.8	10.1	1.4	2.0	+ 0.4	8.1	E 3° N
3 ,,	1.4	8.9	2.1	1.7	— 0.7	7.3	E 5° S
4 ,,	1.1	8.4	2.1	1.9	— 1.1	6.4	E 10° S
5 ,,	0.7	7.6	1.6	1.7	— 0.9	5.9	E 9° S
6 ,,	0.4	6.9	1.5	2.0	— 1.2	4.9	E 14° S
7 ,,	0.7	6.2	1.3	1.7	— 0.5	4.6	E 6° S
8 ,,	0.4	5.3	0.8	1.5	— 0.4	3.8	E 6° S
9 ,,	0.6	4.7	0.8	1.4	— 0.2	3.2	E 4° S
10 ,,	0.8	4.3	0.5	1.4	+ 0.3	2.9	E 6° N
11 ,,	1.3	4.0	0.3	1.6	+ 1.0	2.4	E 23° N
Midt.	1.1	4.7	0.2	1.7	+ 1.0	+ 3.0	E 18° N
Mean,.....	1.4	5.8	0.9	1.9	+ 0.5	+ 3.9	E 13° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AT VICTORIA PEAK, AND SEA DISTURBANCE.

Date.	4 a.			10 a.			4 p.			10 p.		
	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	S
1885.												
Sept. 1,.....	...	...	1	S	4	1	S	4	1	S	4	
,, 2,.....	...	...	1	S	4	0	S	4	0	W	4	
,, 3,.....	...	...	0	N	3	0	NW	3	1	NNW	4	
,, 4,.....	...	...	0	N	3	0	S	3	0	S	2	
,, 5,.....	...	...	0	SW	3	0	S	3	0	S	3	
,, 6,.....	...	...	0	S	2	0	S	4	1	S	4	
,, 7,.....	...	...	0	S	4	0	S	4	0	S	4	
,, 8,.....	...	...	0	SW	4	0	SW	4	0	WSW	4	
,, 9,.....	...	...	0	NW	3	0	S	4	0	S	4	
,, 10,.....	...	...	0	S	3	1	S	2	0	S	4	
,, 11,.....	...	...	0	NW	5	1	WNW	5	1	W	5	
,, 12,.....	...	...	1	W	5	1	W	4	0	WNW	5	
,, 13,.....	...	...	0	NE	4	0	N	4	1	N	4	
,, 14,.....	...	...	0	N	5	2	N	4	1	N	4	
,, 15,.....	...	...	0	E	4	2	E	4	2	E	4	
,, 16,.....	...	...	1	ENE	4	3	E	6	4	E	6	
,, 17,.....	...	...	3	E	5	5	E	6	5	E	6	
,, 18,.....	...	...	4	E	6	4	E	5	4	E	5	
,, 19,.....	...	...	0	E	4	3	E	3	2	E	3	
,, 20,.....	...	...	0	E	3	0	SE	3	1	SE	3	
,, 21,.....	...	...	0	ESE	3	1	E	3	0	E	4	
,, 22,.....	...	...	2	E	3	2	E	3	0	E	3	
,, 23,.....	...	...	2	E	3	2	E	4	0	SE	5	
,, 24,.....	...	...	0	S	4	0	SSW	5	1	SSW	5	
,, 25,.....	...	...	1	S	4	1	S	4	2	S	4	
,, 26,.....	...	...	0	NE	3	1	E	4	2	E	5	
,, 27,.....	...	...	3	ENE	4	2	E	5	3	E	5	
,, 28,.....	...	...	2	E	4	2	ENE	5	1	ENE	5	
,, 29,.....	...	...	3	ENE	4	3	E	5	3	E	5	
,, 30,.....	...	...	3	E	6	4	E	4	3	E	4	
.....	...	...	...	...	...	...	...	...	...	...	...	
Mean,.....	...	...	0.9	E 7° S	3.9	1.4	E 32° S	4.0	1.3	E 32° S	4.2	

TABLE X.
VICTORIA PEAK.

Date.	Barometer. 10 a.	Barometer. 4 p.	Barometer. 10 p.	Temperature. 10 a.	Temperature. 4 p.	Temperature. 10 p.	Temperature. Sun.	Temperature. Max.	Temperature. Min.	Temperature. Rad.
1885.	ins.	ins.	ins.	°	°	°	°	°	°	°
Sept. 1,.....	28.014	27.947	27.935	75.0	74.8	74.0	137.0	76.9	71.0	71.5
" 2,.....	27.971	27.932	27.948	74.8	75.4	75.4	138.0	77.3	70.6	70.9
" 3,.....	.950	.889	.942	75.6	77.0	75.0	150.8	78.2	71.0	71.1
" 4,.....	.968	.909	.915	75.6	77.0	76.4	146.0	79.6	74.0	72.5
" 5,.....	.974	.911	.941	75.8	76.8	74.4	141.0	78.3	74.0	72.5
" 6,.....	.956	.913	.957	75.8	76.2	73.6	127.0	77.3	73.6	67.5
" 7,.....	.975	.917	.953	73.8	75.0	73.4	135.0	77.9	72.8	70.5
" 8,.....	.935	.898	.897	74.8	74.9	73.4	125.0	77.3	73.4	68.7
" 9,.....	.913	.884	.896	73.4	74.4	71.2	136.0	76.5	70.0	70.5
" 10,.....	.920	.855	.897	72.0	73.0	72.4	95.8	75.9	70.0	70.5
" 11,.....	.950	.916	.953	72.2	71.8	71.8	107.0	74.5	71.0	71.5
" 12,.....	27.995	27.957	28.011	73.8	74.4	72.9	134.0	76.1	71.0	72.5
" 13,.....	28.011	27.979	27.972	73.9	73.8	72.2	146.0	75.2	70.0	69.5
" 14,.....	28.046	28.057	28.072	71.4	74.4	71.8	134.0	76.1	66.0	69.7
" 15,.....	.141	.092	.083	71.8	74.8	71.2	144.0	75.6	69.0	64.5
" 16,.....	.115	.044	.070	73.0	72.2	69.8	135.2	75.5	68.4	65.5
" 17,.....	.089	.063	.108	69.8	70.2	70.6	138.6	72.9	69.0	63.7
" 18,.....	.155	.103	.130	70.8	71.8	69.2	125.0	73.3	66.8	67.7
" 19,.....	.147	.102	.117	71.4	73.2	70.8	131.0	74.3	68.2	69.1
" 20,.....	.153	.100	.123	71.8	74.0	72.2	139.2	75.5	70.0	71.5
" 21,.....	.197	.146	.198	73.0	74.6	71.8	144.0	76.1	70.0	72.5
" 22,.....	.201	.117	.120	73.9	76.2	73.0	135.2	77.9	70.0	70.5
" 23,.....	.157	.086	.116	74.8	75.2	73.8	129.0	76.9	72.0	70.7
" 24,.....	.132	.073	.098	73.8	75.2	74.2	141.0	76.5	73.0	72.7
" 25,.....	.140	.073	.123	74.4	76.2	74.8	144.2	77.3	73.2	70.9
" 26,.....	.177	.153	.170	76.2	75.8	74.6	140.0	78.3	73.0	70.9
" 27,.....	.217	.174	.194	74.0	72.6	72.0	137.2	75.9	70.0	69.5
" 28,.....	.209	.213	.233	73.8	73.8	71.8	145.0	76.5	70.0	72.9
" 29,.....	.226	.210	.233	72.2	72.2	70.2	142.0	76.1	70.0	67.5
" 30,.....	.218	.193	.166	71.8	72.4	70.8	135.0	74.5	68.0	66.5
.....	...	...	...	...	...	...	...	...	...	...
Mean,.....	28.076	28.030	28.052	73.5	74.3	72.6	135.3	76.3	70.6	69.9

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND AT VICTORIA PEAK.

Date. 1885.	Relative Humidity. Observatory. 10 a.	Observatory. 4 p.	Observatory. 10 p.	Victoria Peak. 10 a.	Victoria Peak. 4 p.	Victoria Peak. 10 p.	Tension of Aqueous Vapour. Observatory. 10 a.	Observatory. 4 p.	Observatory. 10 p.	Victoria Peak. 10 a.	Victoria Peak. 4 p.	Victoria Peak. 10 p.
Sept. 1,.....	83	77	91	98	99	99	0.903	0.870	0.924	0.849	0.852	0.820
" 2,.....	83	83	85	97	97	92	.887	.901	.832	.835	.852	.811
" 3,.....	80	68	87	95	84	94	.851	.806	.897	.841	.783	.816
" 4,.....	75	70	90	95	88	89	.874	.836	.895	.841	.816	.807
" 5,.....	80	83	89	91	91	95	.895	.864	.885	.814	.834	.816
" 6,.....	78	75	86	91	92	92	.875	.882	.889	.814	.834	.762
" 7,.....	95	86	93	95	89	97	.877	.873	.906	.800	.776	.796
" 8,.....	83	89	93	95	95	97	.866	.903	.902	.819	.825	.796
" 9,.....	90	89	93	92	95	96	.833	.833	.822	.757	.808	.709
" 10,.....	93	87	93	99	99	95	.865	.875	.859	.775	.801	.754
" 11,.....	88	76	85	96	97	95	.821	.796	.851	.765	.762	.739
" 12,.....	76	74	82	92	90	94	.809	.802	.811	.767	.776	.763
" 13,.....	73	82	85	98	92	90	.772	.803	.790	.782	.767	.719
" 14,.....	40	46	73	69	71	73	.432	.510	.652	.529	.603	.572
" 15,.....	60	64	84	88	77	88	.605	.655	.755	.686	.663	.672
" 16,.....	65	73	79	86	83	92	.689	.673	.665	.693	.663	.674
" 17,.....	82	80	84	95	97	95	.739	.758	.812	.689	.721	.717
" 18,.....	82	69	77	95	86	88	.783	.674	.707	.713	.664	.632
" 19,.....	77	76	82	95	92	90	.756	.740	.747	.729	.752	.677
" 20,.....	80	79	85	97	93	93	.790	.798	.786	.762	.780	.734
" 21,.....	74	72	81	98	85	90	.789	.736	.779	.793	.727	.701
" 22,.....	69	66	81	89	71	90	.716	.684	.746	.751	.646	.739
" 23,.....	75	84	89	95	88	95	.822	.866	.878	.819	.774	.791
" 24,.....	82	70	86	99	93	98	.866	.816	.848	.823	.814	.827
" 25,.....	74	70	87	95	98	100	.838	.870	.885	.816	.846	.860
" 26,.....	60	78	86	86	91	95	.690	.794	.818	.777	.806	.822
" 27,.....	77	81	84	90	94	89	.745	.761	.753	.765	.752	.699
" 28,.....	70	72	82	90	90	88	.729	.737	.754	.752	.752	.686
" 29,.....	72	73	75	93	86	93	.708	.716	.716	.734	.674	.684
" 30,.....	68	72	78	86	80	81	.660	.700	.726	.664	.365	.612
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean, ...	76	75	85	93	89	92	0.783	0.784	0.810	0.765	0.759	0.741

TABLE XII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1885.												
Sept. 1, ...	10	sm-cum. / cum-nim.	SE / SSW	10	nim.	S	10	cum-nim.	SW	5	c-cum. / cum.	NNE / SW
„ 2, ...	*10	nim.	...	*10	nim.	...	10	nim.	SSW	5	c-cum. / cum.	WSW
„ 3, ...	* 9	cum.	...	8	sm-cum.	N	10	cum-str. / cum-nim.	W	6	sm-cum. / cum.	N / WSW
„ 4, ...	* 7	cum.	N	5	sm-cum.	N	10	sm-cum.	N	5	sm-cum. / cum.	K / W
„ 5, ...	* 3	cum.	...	3	cum.	SW	6	c-str. / cum-str.	W	6	c-cum. / cum-str.	W / SW
„ 6, ...	1	cum.	...	6	cum-nim.	SE	7	sm-cum. / cum.	W / S	5	sm-cum. / cum.	W / SSE
„ 7, ...	9	cum.	WSW	8	cum-nim.	NW	10	cum-nim.	...	10	nim.	...
„ 8, ...	10	cum-nim.	...	10	nim.	...	10	c-str.	...	7	sm-cum. / cum-nim.	ESE / S
„ 9, ...	10	cum.	...	10	cum-nim.	NW	10	cum-nim.	WSW	10	str. / cum-nim.	WSW
„ 10, ...	10	nim.	...	10	nim.	SW	10	nim.	SW	10	nim.	SW
„ 11, ...	10	nim.	...	10	nim.	NW	10	nim.	...	10	cum-nim.	W
„ 12, ...	10	cum.	...	8	R-cum.	...	10	R-cum.	W	7	c-str. / cum.	E / W
„ 13, ...	* 7	cum.	...	7	cum-str.	N	10	R-cum.	W	10	c-cum. / sm-cum. / cum.	... / NNW / SW
„ 14, ...	* 8	cum.	NNE	8	cum-str.	NE	2	sm-cum.	NNW	1	sm-cum.	NNW
„ 15, ...	0	...	...	6	cum-str.	NNE	7	sm-cum.	NE	4	sm-cum.	NE
„ 16, ...	* 8	cum.	...	8	cum.	NE	8	sm-cum.	...	10	sm-cum. / cum.	ENE
„ 17, ...	*10	cum.	...	10	cum-nim.	ENE	10	nim.	...	10	cum-nim.	ENE
„ 18, ...	* 8	cum-nim.	...	7	cum.	E	8	cum.	E	8	R-cum.	E
„ 19, ...	* 5	cum.	E	6	c-str.	E	10	cum.	E	4	sm-cum. / cum.	W / E
„ 20, ...	* 6	cum.	ESE	4	sm-cum.	ESE	1	cum.	ESE	4	cum.	ESE
„ 21, ...	* 5	cum.	ESE	6	cum.	ESE	4	cum.	E	3	cum.	E
„ 22, ...	* 5	cum.	...	3	cum.	...	4	cum.	E	0	...	...
„ 23, ...	2	cum.	SE	3	cum.	ESE	6	cum.	E	2	cum.	ESE
„ 24, ...	* 3	cum.	...	6	cum.	SSW	6	cum-str.	SSE	6	cum-str.	S
„ 25, ...	4	cum.	SW	6	cum.	SW	3	cum.	SW	2	cum.	SW
„ 26, ...	* 2	cum.	...	4	cum-nim.	...	2	cum-str.	...	1	sm-cum.	NN
„ 27, ...	* 7	cum-nim.	...	10	nim.	...	9	cum. / cum-nim.	ENE	8	cum. / cum.	EN
„ 28, ...	* 5	cum.	...	8	cum.	NE	2	sm-cum.	NNW	1	cum.	EN
„ 29, ...	1	cum.	...	7	cum.	ENE	10	str. / cum-nim.	NNE	10	str. / cum-nim.	NN
„ 30, ...	9	cum.	E	4	cum.	E	9	cum.	E	1	sm-cum. / cum.	N / E
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean, ...	6.5	...	...	7.0	...	...	7.5	...	...	5.7	...	...

* Interpolated.

TABLE XII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Daily and Monthly Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1885.													
Sept. 1,.....	7	c-cum. / cum.	N / SSW	10	c-str. / cum.	SSW	10	str.	...	10	str.	...	9.0
„ 2,.....	10	sm-cum. / R-cum.	N / W	10	str. / cum-str.	W	10	str. / cum-str.	W	10	cum-str.	...	9.4
„ 3,.....	10	sm-cum. / cum-nim.	N / WSW	8	sm-cum.	N	8	sm-cum.	N	9	cum.	N	8.5
„ 4,.....	1	cum.	W	7	c-str. / cum-str.	N / W	4	c-str. / cum.	W	2	c-str.	...	5.1
„ 5,.....	6	c-str. / cum.	W / SSW	9	sm-cum. / cum.	W / SSW	7	c-cum. / cum.	WNW	2	cum.	WSW	5.2
„ 6,.....	5	c-str. / cum.	WNW / SSW	7	c-cum. / sm-cum.	WNW / W	10	c-cum. / cum.	WSW	2	cum.	WSW	5.4
„ 7,.....	10	str. / cum-nim.	WSW	10	str.	NW	10	cum.	NE	10	nim.	SW	9.6
„ 8,.....	7	sm-cum. / R-cum.	ESE / WNW	10	str. / cum-nim.	SSW	10	cum.	...	10	str. / cum.	...	9.3
„ 9,.....	10	str.	...	10	nim.	...	10	nim.	...	9	cum.	WSW	9.9
„ 10,.....	10	nim.	SW	10	cum-nim.	E	10	c-cum. / cum-nim.	WSW / NW	10	cum.	WNW	10.0
„ 11,.....	10	cum-nim.	W	10	str. / cum-nim.	WNW	10	cum.	...	10	cum.	W	10.0
„ 12,.....	8	c-str. / cum.	E / W	9	c-str. / cum.	ENE / W	4	c-cum. / cum.	...	8	cum.	...	8.0
„ 13,.....	10	sm-cum. / cum-nim.	WNW / NW	10	cum. / cum-nim.	N	10	cum.	N	8	cum.	N	9.0
„ 14,.....	2	c-cum.	NNE	3	c. / sm-cum.	N	5	c-cum.	NE	0	...	...	3.6
„ 15,.....	4	sm-cum. / cum.	ENE	7	sm-cum.	E	7	sm-cum.	E	8	sm-cum.	...	5.4
„ 16,.....	9	sm-cum. / cum.	SE / NE	10	str. / cum-nim.	NNE	10	nim.	ENE	9	cum.	E	9.0
„ 17,.....	10	R-cum.	E	7	sm-cum. / R-cum.	E	10	nim.	NE	10	nim.	NE	9.6
„ 18,.....	5	cum.	E	3	c-cum. / cum.	W / E	2	cum.	E	4	cum.	E	5.6
„ 19,.....	5	sm-cum. / cum.	WNW / E	1	cum.	E	0	...	...	8	cum.	ESE	4.9
„ 20,.....	5	cum.	SSE	3	cum.	WSW	6	cum.	SE	4	cum.	ESE	4.1
„ 21,.....	4	cum.	E	2	c-cum. / cum.	E	1	str.	...	6	cum.	E	3.9
„ 22,.....	0	...	...	0	...	...	0	...	...	0	...	...	1.5
„ 23,.....	9	R-cum.	S	7	sm-cum. / cum.	S / ESE	2	cum.	E	1	cum.	E	4.0
„ 24,.....	1	cum-str.	WSW	1	cum.	SW	1	c. / cum.	NNE / SW	1	cum.	SW	3.1
„ 25,.....	1	cum.	SW	1	R-cum.	SW	2	cum.	WSW	1	cum-str.	...	2.5
„ 26,.....	9	sm-cum.	N	10	R-cum. / cum-nim.	NNW / ENE	10	cum.	NNW	4	cum.	ENE	5.2
„ 27,.....	10	cum. / cum-nim.	ENE	10	R-cum. / cum-nim.	ENE	2	cum.	ENE	1	cum.	...	7.1
„ 28,.....	4	R-cum.	NNW	7	R-cum.	NNW	7	cum.	NNW	1	cum.	N	4.4
„ 29,.....	9	R-cum.	NNW	10	str. / R-cum.	NE	10	nim.	...	3	cum.	E	7.5
„ 30,.....	1	sm-cum.	WNW	9	sm-cum.	NW	8	sm-cum.	NW	1	str.	...	5.3
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	6.4	...	...	7.0	...	...	6.5	...	...	5.4	...	...	6.5

TABLE XIII.

RAINFALL AT DIFFERENT STATIONS.

Date.	Observatory.		Stone Cutters' Island.	Victoria Peak.
	Amount.	Duration.	Amount.	Amount.
1885.	ins.	hrs.	ins.	ins.
Sep. 1,	0.185	1	0.17	0.20
„ 2,	...	0	...	...
„ 3,	0.005	1	...	...
„ 4,	...	0	...	...
„ 5,	0.255	1	...	...
„ 6,	2.135	8	2.17	2.56
„ 7,	0.180	2	0.30	0.12
„ 8,	0.100	3	0.21	0.25
„ 9,	0.770	8	0.60	1.15
„ 10,	1.330	12	1.75	1.60
„ 11,	...	0	...	...
„ 12,	...	0	...	...
„ 13,	0.070	2	0.53	0.18
„ 14,	...	0	...	...
„ 15,	...	0	...	...
„ 16,	0.070	6	0.04	0.20
„ 17,	0.055	4	...	0.13
„ 18,	...	0	...	...
„ 19,	...	0	...	...
„ 20,	...	0	...	...
„ 21,	...	0	...	...
„ 22,	...	0	...	...
„ 23,	...	0	...	...
„ 24,	...	0	...	...
„ 25,	...	0	...	...
„ 26,	0.110	2	...	0.35
„ 27,	...	0	...	...
„ 28,	0.010	1	...	...
„ 29,	0.225	2	0.20	...
„ 30,	...	0	...	...
.....	...	...	...	...
Total,	5.500	53	5.97	6.74

W. Doberck,
Government Astronomer.

Hongkong Observatory, 26th November, 1885.

HONGKONG OBSERVATORY.

Weather Report for October, 1885.

In the *China Coast Meteorological Register*, based on information transmitted by the Great Northern and the Eastern Extension Telegraph Companies, which was daily published, is given a summary of the atmospheric circumstances in Luzon and along the Coast of China. It also contains information concerning the weather in Nagasaki and Wladivostock, and the first appearance and progress of typhoons.

Slight fog was observed on the morning of the 14th.

Dew fell in the evening on the 14th, in the evening on the 19th, the 25th and the 29th.

Unusual visibility was noted on the 19th, the 23rd and the 24th.

A Solar halo was seen at 1 p. on the 5th.

Lightning was seen in the afternoon on the 1st and the 5th, and faint thunder was heard on the former day.

Between 12.45 a. and 1.30 a. on the 6th a light thunder-storm passed from SW through W towards NE at a great distance from here.

Lightning was seen in the evening on the 9th.

The Total Distance travelled by, as well as the Duration and average Velocity of Winds from different quarters were as follows:—

Direction.	*Total Distance.* Miles.	*Duration.* Hours.	*Velocity.* Miles per hour.
N	1054	95	11.1
NE	1866	132	14.2
E	7387	414	17.8
SE	390	44	8.9
S	36	7	5.1
SW	32	7	4.6
W	72	16	4.5
NW	39	7	5.6
Calm	11	22	0.5

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF OCTOBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Oct. 1, ...	29.935	29.930	29.928	29.930	29.932	29.939	29.964	29.982	29.991	29.991	29.973	29.950	29.921	29.906	29.895	29.896	29.905	29.922	29.936	29.961	29.975	29.973	29.962	29.950	29.944
" 2, ...	.932	.926	.921	.918	.924	.935	.947	.966	.977	.975	.963	.950	.921	.896	.880	.883	.886	.890	.897	.912	.927	.926	.912	.907	.924
" 3, ...	.891	.874	.872	.875	.881	.895	.907	.929	.945	.934	.926	.897	.871	.852	.831	.832	.839	.838	.846	.869	.891	.884	.878	.878	.881
" 4, ...	.858	.841	.822	.822	.829	.847	.864	.879	.886	.889	.871	.843	.821	.805	.783	.785	.790	.796	.804	.825	.841	.836	.829	.827	.833
" 5, ...	.811	.800	.799	.794	.794	.806	.824	.838	.841	.842	.837	.810	.785	.766	.758	.752	.760	.785	.809	.821	.821	.815	.810	.814	.808
" 6, ...	.812	.812	.812	.807	.809	.824	.842	.857	.869	.865	.854	.831	.810	.786	.779	.776	.780	.802	.829	.857	.864	.859	.859	.872	.828
" 7, ...	.868	.865	.862	.867	.883	.899	.918	.927	.935	.941	.932	.916	.890	.880	.863	.862	.867	.884	.898	.918	.933	.935	.936	.928	.900
" 8, ...	.911	.902	.885	.880	.893	.907	.929	.948	.963	.972	.959	.948	.914	.893	.889	.896	.899	.916	.939	.954	.959	.950	.944	.940	.925
" 9, ...	.931	.919	.896	.899	.897	.905	.924	.941	.958	.957	.955	.935	.915	.883	.877	.881	.887	.893	.903	.923	.930	.928	.924	.924	.916
" 10, ...	.912	.888	.880	.880	.880	.910	.920	.938	.944	.952	.955	.947	.921	.905	.890	.885	.885	.900	.908	.922	.933	.922	.920	.913	.913
" 11, ...	.906	.893	.895	.886	.894	.918	.940	.947	.952	.950	.936	.919	.892	.874	.854	.860	.864	.862	.879	.883	.885	.886	.878	.864	.897
" 12, ...	.852	.845	.832	.833	.840	.853	.870	.889	.892	.894	.885	.868	.843	.826	.808	.810	.813	.810	.824	.834	.845	.843	.828	.818	.844
" 13, ...	.803	.804	.799	.807	.820	.832	.852	.863	.863	.848	.820	.796	.789	.777	.781	.794	.799	.807	.828	.834	.833	.830	.830	.817	.817
" 14, ...	.821	.814	.815	.811	.819	.830	.836	.839	.846	.845	.831	.817	.783	.766	.759	.764	.770	.783	.795	.813	.825	.837	.842	.840	.813
" 15, ...	.836	.828	.820	.820	.828	.838	.861	.883	.892	.896	.895	.874	.847	.817	.811	.819	.836	.859	.870	.891	.900	.907	.912	.912	.860
" 16, ...	.902	.889	* .884	* .880	* .888	* .902	* .923	* .945	* .954	.955	.940	.932	.910	.889	.888	.888	.899	.908	.936	.956	.976	.988	.977	.970	.924
" 17, ...	.960	.955	.949	.943	.943	.966	.985	30.012	30.025	30.023	30.010	.976	.942	.924	.920	.929	.933	.941	.953	.978	.985	.976	.972	.952	.965
" 18, ...	.946	.944	.939	.936	.946	.952	.973	29.992	30.002	30.002	29.985	.953	.927	.896	.888	.888	.901	.919	.934	.952	.958	.957	.947	.939	.945
" 19, ...	.926	.906	.895	.895	.889	.916	.934	.968	29.968	29.974	.957	.930	.902	.883	.886	.893	.898	.912	.925	.923	.934	.931	.951	.942	.928
" 20, ...	.931	.915	.911	.910	.918	.928	.936	.960	.970	.979	.971	.942	.921	.911	.894	.889	.894	.898	.903	.934	.947	.959	.955	.955	.930
" 21, ...	.938	.930	.917	.910	.926	.939	.963	.976	.977	.974	.966	.945	.926	.902	.893	.892	.895	.897	.907	.925	.933	.937	.938	.943	.931
" 22, ...	.932	.919	.906	.902	.906	.926	.938	.963	.973	.972	.966	.944	.914	.891	.882	.888	.888	.897	.914	.944	.945	.958	.958	.952	.928
" 23, ...	.935	.923	.914	.905	.914	.934	.954	.970	.976	.971	.945	.915	.888	.863	.848	.861	.888	.907	.925	.941	.944	.943	.947	.944	.923
" 24, ...	.937	.928	.913	.905	.905	.910	.910	.935	.951	.952	.954	.938	.919	.901	.898	.903	.921	.928	.946	.970	.974	.975	.972	.973	.934
" 25, ...	.955	.936	.930	.928	.928	.944	.960	.983	.990	.990	.965	.953	.935	.919	.911	.909	.913	.921	.934	.963	.973	.971	.969	.967	.948
" 26, ...	.963	.955	.951	.953	.963	.970	.988	30.004	30.006	30.003	.994	.976	.938	.915	* .918	.920	.929	.929	.948	.965	.974	.980	.980	.957	.962
" 27, ...	.953	.946	.943	.933	.933	.955	.967	29.989	.003	30.001	.980	.961	.932	.914	.911	.912	.925	.931	.945	.967	.977	.980	.978	.959	.954
" 28, ...	.945	.945	.941	.935	.942	.959	.976	.993	.002	29.996	.987	.978	.935	.923	.919	.934	.940	.950	.968	.979	.981	.981	.973	* .962	.960
" 29, ...	* .940	* .940	* .936	* .930	* .938	* .957	* .969	* .992	* .008	30.001	.987	.957	.928	.912	.911	.907	.916	.929	.944	.966	.966	.973	.976	.964	.952
" 30, ...	.934	.936	.932	.926	.934	.955	.962	.990	30.013	30.002	.983	.943	.947	.916	.934	.939	.939	.949	.957	.978	.985	.987	.974	.965	.960
" 31, ...	.957	.945	.940	.934	.934	.945	.949	.965	29.981	29.974	.969	.955	.932	.906	.906	.907	.921	.924	.945	.962	.974	.971	.967	.950	.946
Hourly Means, ...	29.908	29.898	29.892	29.888	29.894	29.909	29.925	29.944	29.953	29.953	29.941	29.921	29.894	29.875	29.866	29.869	29.877	29.886	29.901	29.920	29.929	29.930	29.926	29.920	29.909

* Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF OCTOBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means	Max.	Min
Oct. 1	76.7	76.6	76.6	76.1	76.3	75.6	76.8	77.7	78.9	80.4	80.5	80.6	79.7	79.2	79.5	79.2	78.2	77.8	77.8	77.8	77.7	77.7	77.8	76.8	78.0	80.6	75.4
„ 2	76.1	76.0	76.5	75.8	75.6	75.4	76.7	78.1	80.3	80.8	82.0	81.6	81.4	81.2	80.6	79.7	78.8	78.1	78.0	78.0	77.9	77.9	77.7	77.5	78.4	82.0	75.3
„ 3	77.0	76.7	76.5	76.6	76.7	76.7	77.3	78.5	79.7	80.7	80.9	81.7	81.1	80.7	80.5	79.4	78.9	78.1	77.8	77.7	77.6	77.6	77.6	77.6	78.5	81.7	76.5
„ 4	77.6	77.4	77.3	76.9	77.1	76.9	77.7	78.6	80.0	80.5	80.1	81.7	81.6	81.1	80.5	80.2	79.0	78.0	77.9	77.6	77.0	77.0	76.5	76.2	78.5	81.7	76.2
„ 5	75.9	75.7	75.3	75.6	75.5	75.6	76.5	78.3	79.5	80.2	81.1	81.7	82.1	82.0	81.2	81.5	80.7	79.6	79.6	79.7	79.7	79.1	78.9	78.5	78.9	82.6	75.3
„ 6	78.3	77.0	75.0	75.9	76.5	77.3	78.1	80.7	82.1	83.5	83.4	84.3	85.7	85.9	84.3	83.8	82.9	81.1	80.8	80.7	80.6	79.0	77.8	76.5	80.5	85.9	74.7
„ 7	74.9	74.5	74.4	73.3	72.9	73.1	74.0	75.2	76.7	78.7	80.4	80.2	80.7	81.7	80.7	80.3	78.4	75.7	75.0	75.0	74.7	74.9	74.5	73.9	76.4	81.7	72.6
„ 8	73.0	72.6	72.5	72.3	71.3	70.3	70.7	69.6	68.7	69.7	69.7	68.8	68.7	68.6	68.5	67.7	68.0	67.9	68.1	68.3	68.9	69.6	69.8	69.9	69.7	73.9	67.7
„ 9	69.7	69.4	69.6	69.6	69.4	69.8	70.3	71.0	72.0	73.7	74.5	75.9	76.8	76.2	76.0	75.8	75.4	75.0	75.4	75.8	76.2	76.6	76.3	76.1	73.6	77.1	69.3
„ 10	76.0	75.9	75.6	75.0	74.6	74.6	74.9	75.7	76.8	77.3	77.4	77.6	77.7	77.8	77.2	76.7	76.4	76.1	76.0	76.3	76.6	76.5	76.1	76.1	76.3	78.2	74.6
„ 11	75.7	75.1	74.8	74.2	74.0	73.8	74.3	75.3	75.5	75.9	76.4	76.6	76.7	77.2	77.5	77.2	77.1	76.9	76.8	76.8	77.0	76.9	76.8	76.3	76.0	77.5	73.8
„ 12	75.9	75.6	75.6	75.6	75.3	75.2	75.6	76.7	77.3	76.9	77.4	77.9	78.1	78.2	78.0	77.7	77.0	76.0	76.0	75.9	75.9	75.9	76.1	76.4	76.5	78.8	75.2
„ 13	76.7	76.8	77.3	77.8	76.0	75.5	75.7	76.5	77.9	78.8	78.2	78.9	79.1	79.0	78.5	77.9	77.7	76.7	76.3	76.2	76.1	75.5	75.5	75.1	77.1	79.2	75.1
„ 14	74.7	74.5	74.3	73.9	74.0	73.9	74.7	77.0	80.3	81.7	82.9	83.6	84.9	83.7	83.8	82.4	80.9	79.7	79.4	78.5	78.0	77.8	78.0	78.7	78.8	84.9	73.8
„ 15	79.9	79.6	78.6	78.0	77.3	77.1	77.5	78.1	78.7	78.7	78.9	79.2	79.6	79.4	79.1	77.8	77.7	77.1	76.1	76.4	76.3	76.1	75.5	75.2	77.8	79.9	74.9
„ 16	76.9	75.8	75.7	75.5	74.3	73.5	73.9	74.7	75.7	76.2	76.5	77.0	77.2	76.8	76.7	76.4	75.9	75.6	75.5	75.4	75.6	75.8	75.6	75.4	75.7	77.2	73.5
„ 17	75.0	74.0	73.4	73.8	73.4	72.7	72.5	72.7	72.9	75.2	75.5	76.4	76.6	76.4	76.3	75.8	75.4	75.1	75.3	74.7	73.4	75.7	75.6	75.3	74.7	76.9	72.5
„ 18	74.8	74.7	74.5	74.3	74.5	74.3	74.8	75.5	75.0	76.1	76.0	75.7	75.3	75.8	74.8	74.9	75.0	74.8	74.8	74.5	73.3	74.1	74.7	75.0	75.0	74.8	76.2	73.2
„ 19	74.5	74.5	74.3	74.2	73.9	73.7	73.9	75.7	76.7	77.4	77.6	77.7	77.4	77.5	77.2	76.6	75.9	74.1	74.0	74.0	74.0	74.3	74.0	73.6	75.3	77.7	73.4
„ 20	73.7	73.7	74.1	74.4	74.3	74.3	74.7	75.7	75.7	76.5	76.7	76.9	76.7	76.8	76.9	76.2	75.6	75.1	74.9	75.0	75.2	75.6	75.5	75.3	75.4	76.9	73.5
„ 21	74.9	74.8	74.6	74.2	74.2	74.2	74.7	75.8	76.1	76.2	75.7	76.0	76.7	76.4	75.8	75.4	74.9	74.5	74.2	74.1	74.5	75.0	75.1	75.1	75.1	76.7	74.1
„ 22	75.1	75.0	74.6	74.7	74.8	74.7	75.3	75.7	76.7	77.5	77.7	77.9	77.8	76.3	76.1	76.4	75.9	75.6	75.2	73.4	73.1	72.4	72.6	72.5	75.3	78.9	72.3
„ 23	71.8	70.9	70.9	71.0	70.9	70.4	70.3	71.6	72.7	74.7	74.9	75.4	75.6	76.2	75.2	74.2	73.0	70.6	69.5	68.4	68.1	67.3	66.3	65.8	71.5	76.6	65.8
„ 24	65.2	64.5	64.6	64.8	65.1	65.6	66.2	67.4	69.4	70.9	71.9	72.1	74.2	73.5	73.4	72.1	70.5	69.0	70.2	70.5	70.9	70.9	69.8	68.8	69.3	74.6	64.3
„ 25	68.6	68.5	67.9	67.4	67.4	66.9	67.2	68.7	71.5	71.4	72.7	73.0	73.1	73.6	72.8	71.7	71.3	69.9	69.4	68.6	68.2	67.7	67.8	67.5	69.7	73.8	66.9
„ 26	67.5	67.0	66.8	67.0	67.2	66.9	67.2	69.7	72.0	73.3	73.2	73.5	73.6	73.4	73.3	72.7	72.7	72.6	72.6	72.6	72.6	72.6	72.8	72.4	71.1	73.6	66.5
„ 27	71.8	71.6	71.5	70.9	71.1	70.9	71.7	72.7	74.3	74.7	74.7	75.1	74.8	74.9	74.8	74.5	73.9	73.2	73.3	73.7	74.4	74.7	74.4	74.1	73.4	75.2	70.8
„ 28	73.6	73.1	72.8	72.5	72.2	71.8	71.7	72.5	72.7	73.1	72.7	73.5	73.3	73.7	73.8	73.7	73.4	72.4	73.0	73.1	73.0	72.8	72.5	72.0	72.9	74.3	71.7
„ 29	71.8	71.5	71.3	71.4	71.2	71.0	71.1	72.6	73.0	73.3	74.3	73.7	73.5	73.7	73.7	73.5	73.0	72.6	72.2	71.9	71.8	71.9	71.7	71.9	72.4	74.3	70.8
„ 30	72.0	71.9	72.2	72.2	72.3	72.2	72.4	73.1	73.9	74.5	75.3	75.2	75.5	75.6	74.7	74.6	73.6	73.2	73.1	73.0	72.7	72.7	72.5	72.1	73.4	75.8	71.9
„ 31	71.8	72.2	72.8	72.8	73.0	73.1	73.7	73.9	74.7	74.2	74.1	74.9	74.8	75.3	74.5	73.7	73.5	73.1	73.5	73.5	73.6	73.8	73.7	73.6	73.7	75.5	71.8
Hourly Means	74.1	73.8	73.6	73.5	73.3	73.1	73.6	74.7	75.8	76.5	76.9	77.2	77.4	77.3	77.0	76.4	75.9	75.0	74.9	74.7	74.7	74.7	74.5	74.2	75.1	78.1	72.4

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF OCTOBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Sun.	Rad.
Oct. 1	71.7	72.0	72.1	71.7	72.0	72.2	72.8	73.2	73.1	73.5	73.6	73.8	73.6	73.6	73.7	74.0	73.7	72.9	72.9	73.2	73.2	73.2	73.3	73.3	73.0	140.1	71.1
„ 2	73.4	73.2	72.8	72.7	72.9	73.2	72.9	73.5	73.8	74.0	73.7	73.1	72.6	72.8	73.4	73.4	73.8	73.7	73.3	73.4	72.6	73.4	73.2	73.0	73.2	137.2	69.9
„ 3	72.8	72.7	72.1	72.1	72.2	72.4	73.1	72.6	73.4	73.4	73.0	73.6	73.1	73.1	73.7	73.3	73.9	73.3	73.1	73.4	74.0	73.6	73.4	73.3	73.1	140.8	75.0
„ 4	73.2	73.0	72.7	72.9	72.8	72.6	73.0	72.5	73.2	73.8	73.0	74.0	74.5	74.3	74.6	74.6	73.7	73.3	73.3	73.5	73.4	73.4	73.2	73.3	73.4	141.6	73.6
„ 5	73.6	73.4	72.6	72.9	73.2	73.7	74.1	74.8	75.3	75.7	76.1	76.5	76.8	76.7	76.2	76.4	75.8	75.3	74.9	75.2	76.5	75.8	75.9	76.1	75.1	141.7	71.4
„ 6	76.3	74.6	73.3	74.4	74.8	74.5	75.6	77.6	77.9	73.6	72.8	71.9	75.6	73.6	76.8	75.6	73.7	73.6	74.3	74.4	67.2	66.8	65.1	65.8	73.2	148.6	73.1
„ 7	63.8	63.8	63.3	63.0	63.0	63.2	63.6	63.7	64.3	64.9	66.5	67.6	68.1	68.8	68.7	68.1	67.6	65.8	66.0	66.1	65.6	66.4	66.6	65.4	65.6	143.1	68.1
„ 8	66.7	66.7	66.9	67.0	67.3	67.3	67.6	67.6	67.2	67.2	66.4	66.6	66.6	66.9	66.8	66.5	67.1	66.8	67.1	66.8	67.1	68.1	67.8	67.2	67.1	87.9	67.1
„ 9	66.4	65.7	66.1	66.0	67.0	66.7	67.6	67.6	68.6	70.0	69.4	70.5	71.5	71.7	71.5	71.3	69.7	69.8	69.7	70.4	70.6	69.7	70.1	70.3	69.1	141.2	67.4
„ 10	70.0	70.4	70.5	69.8	67.7	68.4	68.6	68.7	68.4	66.9	67.9	68.5	70.1	69.8	69.8	69.3	69.5	69.5	69.6	70.0	70.4	69.6	70.4	69.7	69.3	140.1	73.0
„ 11	69.8	69.3	68.8	68.4	67.6	67.7	67.6	68.4	68.6	69.3	68.9	69.3	69.4	69.5	70.2	70.1	69.7	69.7	69.8	70.0	71.0	70.4	70.4	70.3	69.3	133.3	71.8
„ 12	70.6	70.7	70.2	71.0	70.9	70.7	70.6	71.4	71.2	70.8	70.9	71.4	71.6	71.9	71.9	71.7	71.4	71.5	71.3	71.6	71.8	71.8	71.8	71.5	71.3	131.7	73.1
„ 13	71.9	71.7	72.6	72.8	72.4	71.5	72.4	72.6	71.6	72.9	71.9	71.6	71.6	72.0	72.1	71.6	71.7	70.8	70.7	71.0	71.5	71.5	71.8	71.4	71.8	145.4	72.7
„ 14	71.6	71.7	71.6	71.6	71.0	71.1	72.2	72.0	71.3	71.3	71.2	71.3	72.6	74.4	75.0	74.7	74.3	74.1	74.1	74.5	74.6	74.6	74.6	72.6	72.8	140.1	72.4
„ 15	68.5	67.3	66.9	67.3	67.0	66.9	67.6	68.9	69.3	70.0	71.6	72.1	72.6	72.6	71.6	71.2	71.3	70.9	70.2	70.6	70.4	70.0	69.0	68.4	69.7	138.0	70.8
„ 16	69.0	68.6	68.4	68.7	68.7	68.2	68.0	68.5	69.6	69.3	69.6	70.0	70.1	69.9	70.1	69.7	69.7	69.2	69.1	69.2	69.5	69.6	69.2	69.0	69.2	132.8	70.3
„ 17	69.0	68.2	68.3	67.8	67.1	66.4	67.1	66.6	66.8	67.2	66.4	65.6	65.7	65.6	65.9	65.6	65.9	66.7	67.3	69.1	69.3	68.7	68.3	68.1	67.2	146.4	68.5
„ 18	67.9	67.2	67.4	66.8	66.6	66.8	67.1	66.8	67.6	67.4	67.3	67.2	67.1	68.5	68.6	69.2	69.3	69.4	69.7	70.0	70.1	70.4	70.1	69.9	68.3	142.1	69.9
„ 19	70.3	69.5	69.4	69.3	68.8	68.4	68.4	68.2	68.0	67.8	67.8	68.1	68.6	68.6	69.4	69.4	68.7	68.5	68.7	68.8	69.4	70.1	69.8	69.0	68.9	133.6	69.6
„ 20	69.6	70.0	70.0	69.8	69.8	69.7	69.0	70.6	70.6	70.9	70.2	70.1	69.6	70.3	70.6	69.3	70.1	70.0	69.9	70.4	70.4	70.3	70.0	69.9	70.0	136.3	67.7
„ 21	69.3	69.7	69.8	69.4	69.4	68.9	69.4	70.4	70.3	70.6	69.7	69.3	69.9	69.5	69.2	68.4	69.3	69.5	69.5	69.8	70.2	70.3	70.3	70.2	69.7	134.1	72.6
„ 22	70.3	70.4	70.4	70.3	70.3	70.4	70.1	70.7	70.7	69.9	69.9	70.1	69.7	69.6	69.5	69.1	70.1	70.4	70.4	67.1	68.1	67.2	67.0	67.1	69.5	141.3	69.1
„ 23	68.3	67.5	66.8	66.7	66.7	66.2	65.4	65.2	65.6	65.7	65.8	65.8	65.7	66.6	65.3	64.5	62.9	61.2	60.0	59.2	59.2	58.9	58.2	57.8	64.0	141.3	64.2
„ 24	57.7	57.2	57.4	57.0	57.6	57.1	57.1	58.8	58.9	59.7	60.1	60.1	61.7	60.8	60.6	59.8	58.6	59.2	56.6	56.8	56.8	57.8	56.5	57.6	58.4	136.7	62.9
„ 25	56.4	55.4	55.1	55.2	55.4	55.6	56.2	56.6	57.8	58.4	59.3	59.8	60.4	60.9	60.4	59.8	59.8	59.7	*60.2	*60.6	*61.0	61.4	60.6	61.2	58.6	138.4	57.4
„ 26	61.3	61.9	61.9	61.9	60.7	60.7	61.4	60.9	61.1	59.9	58.6	58.8	59.8	60.2	60.6	59.8	59.6	59.4	60.6	61.8	62.9	63.3	64.4	64.5	61.1	132.2	55.8
„ 27	64.4	64.2	64.2	63.4	63.1	62.4	62.7	62.5	63.1	61.2	62.4	62.7	62.6	62.5	64.3	64.6	65.3	65.5	66.5	67.5	67.9	68.2	68.3	67.7	64.5	130.3	68.6
„ 28	67.4	67.3	66.7	66.4	66.1	66.0	66.1	65.6	65.8	65.8	65.1	65.7	65.4	65.6	65.1	65.7	66.0	66.3	66.7	66.7	66.3	66.9	66.8	66.0	66.1	133.1	69.9
„ 29	66.7	66.4	65.9	65.9	65.3	65.0	64.4	64.4	65.3	64.9	65.2	65.3	65.8	65.6	65.6	66.6	66.4	65.7	65.9	66.6	67.2	67.5	67.8	67.9	66.0	136.7	67.2
„ 30	68.0	68.1	68.3	68.5	68.1	67.8	67.4	67.6	68.1	68.3	68.0	68.6	68.6	68.7	68.5	68.4	66.8	67.2	67.4	67.6	67.5	67.6	66.4	66.8	67.8	139.9	67.8
„ 31	67.5	66.7	66.5	66.7	*67.3	*67.9	68.4	68.6	68.5	67.9	67.6	68.2	68.4	68.8	69.0	68.8	69.5	69.6	69.6	69.7	*69.7	69.7	70.2	69.8	68.5	140.4	69.2
Hourly Means	68.5	68.2	68.0	68.0	67.8	67.7	68.0	68.3	68.5	68.4	68.4	68.6	68.9	69.1	69.3	69.0	68.9	68.7	68.7	68.8	68.9	68.9	68.7	68.5	68.5	137.1	69.1

* Approximate.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF OCTOBER, 1885.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1885.		
1 a	74	0.629	Oct. 1,.....	78	0.746
2 „	74	0.622	„ 2,.....	77	0.749
3 „	74	0.618	„ 3,.....	76	0.743
4 „	74	0.619	„ 4,.....	78	0.756
5 „	74	0.614	„ 5,.....	83	0.821
6 „	74	0.613	„ 6,.....	69	0.720
7 „	74	0.618	„ 7,.....	54	0.488
8 „	70	0.614	„ 8,.....	87	0.631
9 „	67	0.606	„ 9,.....	79	0.652
10 „	64	0.593	„ 10,.....	69	0.624
11 „	62	0.588	„ 11,.....	70	0.627
Noon.	63	0.591	„ 12,.....	76	0.698
1 p	63	0.600	„ 13,.....	76	0.710
2 „	64	0.609	„ 14,.....	74	0.727
3 „	66	0.620	„ 15,.....	65	0.618
4 „	67	0.616	„ 16,.....	71	0.628
5 „	69	0.620	„ 17,.....	66	0.568
6 „	71	0.625	„ 18,.....	70	0.606
7 „	72	0.626	„ 19,.....	71	0.622
8 „	72	0.632	„ 20,.....	75	0.662
9 „	73	0.636	„ 21,.....	75	0.655
10 „	73	0.636	„ 22,.....	74	0.645
11 „	73	0.631	„ 23,.....	64	0.497
Midt.	73	0.628	„ 24,.....	47	0.345
			„ 25,.....	48	0.347
			„ 26,.....	53	0.407
			„ 27,.....	58	0.489
			„ 28,.....	68	0.552
			„ 29,.....	69	0.555
			„ 30,.....	74	0.607
			„ 31,.....	75	0.629
Mean, ...	70	0.617	Mean,.....	70	0.617

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1885.														
Oct. 1,	...	1.0	1.0	0.9	1.0	1.0	1.0	0.6	0.5	1.0	0.3	...	...	8.8
„ 2,	...	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	10.7
„ 3,	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.7
„ 4,	...	0.4	1.0	1.0	1.0	1.0	0.9	0.9	1.0	1.0	1.0	0.3	...	9.5
„ 5,	...	0.1	0.8	1.0	0.2	1.0	1.0	0.9	0.2	0.1	0.1	...	...	5.4
„ 6,	...	0.5	1.0	1.0	1.0	0.9	...	0.9	1.0	1.0	0.7	0.7	...	8.7
„ 7,	0.1	0.5	0.9	1.0	1.0	1.0	0.8	1.0	0.6	...	0.1	...	...	7.0
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 9,	...	...	...	...	0.5	0.2	1.0	0.2	0.9	...	...	0.1	...	2.9
„ 10,	...	...	0.8	1.0	1.0	1.0	0.6	1.0	1.0	1.0	1.0	0.8	...	9.2
„ 11,	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	10.4
„ 12,	...	0.5	0.7	0.8	0.3	0.2	...	...	...	0.1	0.4	0.5	...	3.5
„ 13,	...	...	0.4	1.0	1.0	1.0	1.0	0.7	0.7	0.4	0.6	0.4	...	7.2
„ 14,	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.5	...	10.1
„ 15,	...	0.9	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	0.4	...	...	9.1
„ 16,	...	0.8	1.0	0.8	0.7	0.9	0.9	0.6	0.5	1.0	1.0	0.5	...	8.7
„ 17,	...	...	0.1	0.3	0.9	1.0	1.0	1.0	0.6	0.6	0.2	...	...	5.7
„ 18,	...	0.1	0.2	0.3	0.2	0.1	...	...	...	...	...	...	...	0.9
„ 19,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	10.1
„ 20,	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	9.8
„ 21,	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	10.2
„ 22,	...	...	0.1	0.5	1.0	0.9	1.0	1.0	1.0	0.9	0.6	...	...	7.0
„ 23,	...	...	0.4	0.6	0.8	0.9	1.0	1.0	0.8	0.7	1.0	0.5	...	7.7
„ 24,	...	...	0.1	0.9	0.9	0.1	0.2	0.2	1.0	0.4	...	...	...	3.8
„ 25,	...	0.2	0.6	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	9.5
„ 26,	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	10.6
„ 27,	...	...	...	...	0.6	0.3	0.1	0.2	...	...	0.1	...	...	1.3
„ 28,	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.7
„ 29,	...	0.3	1.0	1.0	0.9	0.9	0.9	0.9	1.0	1.0	1.0	0.4	...	9.3
„ 30,	...	...	...	0.1	0.9	0.8	0.9	1.0	1.0	0.3	...	...	...	5.0
„ 31,	...	0.4	...	0.5	0.4	0.9	1.0	1.0	0.9	0.8	...	...	...	5.9
Sums,.....	0.1	11.5	20.1	23.7	25.2	24.9	24.3	24.1	23.7	21.2	18.4	10.7	0.0	227.9
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF OCTOBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.
Oct. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·060
„ 6,	...	0·020	0.040	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2·120
„ 8,	...	...	...	...	0·020	0·210	0·090	0·080	0·130	0·120	0·025	0·145	0·125	0·295	0·200	0·260	0·150	0·200	0·055	0·005	0·010	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·250
„ 13,	...	...	...	...	0·135	0·065	0·050	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·050	...	...	...	0·055
„ 17,	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·010	0·005	...	...	...	0·020
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 22,	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·005	0·020	0·040	0·000	0·155	0·280	0·140	0·080	0·130	0·120	0·025	0·145	0·125	0·295	0·200	0·260	0·150	0·200	0·060	0·015	0·065	0·000	0·000	0·000	2·510

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND, FOR THE MONTH OF OCTOBER, 1885.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Sums.	Means.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
Oct. 1	7	13	7	10	5	8	4	8	4	6	8	7	6	7	4	8	7	11	10	12	15	9	16	8	17	8	17	8	15	8	14	8	15	8	12	8	11	8	9	9	9	7	7	7	7	6	5	260	10.8
" 2	6	4	6	2	6	2	...	1	11	2	...	0	...	0	4	8	9	5	9	9	9	15	9	15	9	18	9	20	9	19	9	19	9	19	10	16	7	12	7	12	7	11	8	12	7	10	6	10	236	9.8
" 3	7	8	7	10	8	14	6	13	7	13	7	13	6	12	7	17	8	14	9	12	9	18	10	15	10	16	10	17	10	18	10	18	10	16	8	15	8	13	9	13	9	11	8	12	10	12	5	12	326	13.6
" 4	11	12	11	12	11	11	8	11	11	10	7	7	8	9	8	10	9	11	9	14	8	14	8	15	8	15	8	16	8	15	8	17	8	15	10	12	11	8	11	10	12	5	13	5	12	9	12	257	10.7
" 5	...	0	...	0	...	1	12	4	12	3	12	2	12	2	6	4	8	9	8	11	8	12	8	12	9	11	11	8	17	8	16	8	16	5	18	3	19	3	23	7	...	1	18	4	16	2	16	122	5.1
" 6	27	4	27	13	25	5	19	8	22	2	25	2	...	1	2	7	1	9	2	6	32	13	32	10	24	7	21	9	22	13	22	8	26	4	12	5	12	2	12	5	32	26	32	27	1	17	4	7	205	8.5
" 7	9	8	8	15	2	14	1	15	2	13	2	9	32	10	1	18	1	14	2	8	8	8	9	13	10	8	23	4	9	7	3	10	2	11	1	7	1	5	32	5	32	2	32	4	1	12	1	228	9.5
" 8	2	15	2	9	2	10	32	5	31	6	32	5	32	3	32	2	32	2	28	2	32	12	2	5	28	5	29	9	31	3	1	3	1	8	29	2	...	1	4	2	32	4	5	13	6	14	4	17	154	6.4
" 9	4	13	2	7	4	6	1	5	1	5	1	3	2	2	4	5	2	5	9	8	9	6	9	6	2	7	9	19	8	18	8	17	8	17	7	15	6	14	7	19	7	22	8	23	7	23	6	280	11.7
" 10	7	21	6	23	6	24	6	24	6	24	6	22	6	23	6	24	6	25	7	24	7	27	7	23	7	21	8	20	7	21	8	25	7	21	7	19	7	20	7	24	6	24	7	26	7	26	6	25	556	23.2
" 11	6	24	6	23	6	23	6	23	6	22	6	23	5	23	6	26	6	22	7	22	7	24	8	24	7	21	8	22	8	23	8	23	8	23	7	21	7	18	7	18	7	22	7	24	7	22	7	20	538	22.4
" 12	7	23	7	22	7	20	7	20	7	20	6	18	6	19	7	22	7	23	7	22	7	20	7	22	7	19	8	18	8	14	8	16	8	16	9	15	7	15	7	14	7	11	6	11	7	11	6	14	421	17.5
" 13	8	21	7	19	9	18	9	15	10	9	9	16	10	6	7	14	7	22	7	17	8	22	9	20	9	23	9	20	9	20	8	18	9	18	8	9	8	10	7	5	10	5	9	2	13	4	12	2	329	13.7
" 14	...	0	...	1	...	1	12	2	12	2	2	...	1	...	0	8	2	2	8	1	12	31	14	4	9	13	9	16	8	24	8	24	6	24	6	24	2	24	2	24	2	24	3	24	2	26	2	26	104	4.3
" 15	1	7	2	12	1	19	2	20	2	11	1	12	6	18	4	22	6	21	8	17	9	19	9	18	9	20	10	20	10	15	9	15	9	9	11	7	12	5	18	2	11	1	7	1	12	8	8	321	13.4
" 16	6	14	7	12	7	14	7	18	5	15	5	15	5	21	5	18	7	19	7	23	7	24	6	25	6	25	7	36	7	25	8	28	8	27	8	26	8	22	8	27	8	25	7	27	7	27	5	530	22.1
" 17	6	26	8	23	5	20	5	24	5	26	4	23	4	22	3	25	4	22	6	22	8	25	8	25	7	23	8	24	8	19	7	15	7	14	7	14	8	15	6	16	4	19	7	28	7	30	6	27	521	21.7
" 18	6	25	5	19	5	21	5	18	4	20	6	18	5	17	6	19	7	22	6	22	7	21	7	21	7	19	7	20	7	20	7	18	7	16	6	12	4	12	4	13	6	15	7	22	6	21	5	441	18.4
" 19	6	19	6	18	6	19	5	20	6	15	6	13	4	13	5	14	7	13	8	17	8	21	9	18	9	21	10	20	9	19	10	15	9	17	8	13	7	10	7	12	7	8	6	8	4	6	4	7	356	14.8
" 20	5	12	5	12	6	13	7	16	6	15	6	16	7	23	7	22	7	23	7	22	7	22	7	21	7	22	7	20	7	19	8	18	8	18	8	17	8	18	7	21	8	23	8	21	8	20	7	19	7	22	455	19.0
" 21	7	22	7	21	7	24	7	19	7	21	7	22	8	23	8	22	8	22	7	22	8	25	7	24	7	25	7	20	7	19	7	16	7	15	8	16	8	12	7	11	7	12	7	15	7	16	7	19	461	19.2
" 22	7	17	7	19	7	23	7	20	7	19	7	17	7	16	6	16	6	18	8	16	9	22	9	20	8	22	9	26	8	19	7	15	8	17	7	14	7	13	1	15	3	5	4	31	2	31	4	2	364	15.0
" 23	2	6	2	4	31	9	32	7	1	6	1	11	1	7	1	8	2	18	1	12	32	14	32	12	32	15	1	15	1	17	2	14	1	13	1	18	2	19	2	16	2	10	3	13	1	18	32	18	297	12.4
" 24	1	16	32	16	1	10	1	12	1	8	1	15	32	17	32	12	32	16	1	18	32	18	1	9	2	8	1	8	31	10	32	13	1	11	1	7	2	9	2	10	4	15	3	14	1	7	2	3	282	11.7
" 25	2	8	1	27	32	22	32	21	1	20	32	18	1	20	32	15	4	12	5	14	7	15	10	15	11	14	11	13	11	16	9	15	8	12	7	8	7	7	9	5	...	1	...	1	...	0	...	0	289	12.0
" 26	...	1	11	2	...	0	...	0	5	5	3	7	3	6	5	11	4	12	6	15	8	22	9	20	9	19	9	19	10	15	8	11	7	11	7	10	6	10	6	10	6	11	7	20	6	21	270	11.3
" 27	6	24	6	23	6	18	6	18	6	16	4	13	5	16	4	11	4	11	7	15	8	25	8	21	8	22	9	26	9	29	9	19	8	16	7	12	6	11	6	10	6	13	7	26	7	27	7	30	437	18.2
" 28	7	27	6	26	6	24	7	30	7	31	7	29	7	28	7	28	7	29	7	31	7	34	6	29	7	29	7	30	7	24	7	24	7	21	7	24	7	21	7	23	7	25	7	28	7	28	7	31	656	27.3
" 29	7	27	7	23	7	24	6	21	6	17	6	13	5	18	7	21	7	22	7	26	8	21	8	23	10	24	10	22	9	20	9	21	8	17	7	11	7	8	7	6	7	8	6	8	7	6	6	9	414	17.3
" 30	7	12	7	14	6	14	6	15	4	13	4	13	4	6	4	5	8	8	8	11	9	17	9	17	9	16	10	13	8	17	9	19	9	13	9	6	8	9	6	8	9	6	5	16	4	13	6	11	288	12.0
" 31	5	12	6	16	6	18	6	16	6	16	6	16	6	19	6	21	6	22	7	27	7	25	7	23	7	25	7	24	7	23	7	22	7	19	7	17	7	16	7	16	7	13	7	20	7	21	7	20	469	19.5
Sums	...	441	...	443	...	449	...	444	...	407	...	408	...	414	...	451	...	484	...	504	...	585	...	545	...	536	...	534	...	522	...	499	...	446	...	386	...	350	...	365	...	380	...	423	...	438	...	457	10887	453.4
Hourly Means	...	14.3	...	14.3	...	14.5	...	14.3	...	13.1	...	13.2	...	13.8	...	15.1	...	14.5	...	15.0	...	16.3	...	18.9	...	17.5	...	17.3	...	17.2	...	16.8	...	16.3	...	14.4	...	12.8	...	11.3	...	11.7	...	12.3	...	13.6	...	14.1	...	14.7	351.2	14.6

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR OCTOBER, 1885.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	4.2	11.5	0.3	0.1	+ 3.9	+ 11.4	E 19° N
2 „	4.7	10.9	0.3	0.3	4.4	10.6	E 23° N
3 „	5.6	10.4	0.3	0.2	5.3	10.3	E 27° N
4 „	5.5	10.4	0.2	0.1	5.4	10.3	E 28° N
5 „	5.6	9.4	0.5	0.1	5.1	9.4	E 28° N
6 „	5.7	9.3	0.0	0.1	5.7	9.3	E 32° N
7 „	6.0	9.6	0.1	0.0	5.9	9.6	E 32° N
8 „	5.9	10.9	0.0	0.0	5.9	10.9	E 28° N
9 „	4.4	12.8	0.0	0.0	4.4	12.8	E 19° N
10 „	2.8	14.1	0.1	0.0	2.6	14.0	E 11° N
11 „	2.3	16.5	0.2	0.0	2.1	16.5	E 7° N
Noon.	1.9	15.9	0.4	0.0	1.6	15.9	E 6° N
1 p.	1.3	15.5	1.1	0.4	+ 0.2	15.2	E 1° N
2 „	0.9	14.9	2.0	0.5	— 1.0	14.3	E 4° S
3 „	1.0	14.5	1.1	0.6	— 0.1	13.9	E
4 „	1.1	14.3	0.9	0.4	+ 0.2	13.8	E 1° N
5 „	1.2	12.8	0.4	0.3	0.8	12.5	E 4° N
6 „	1.4	10.8	0.7	0.1	0.7	10.7	E 4° N
7 „	1.3	10.0	0.4	0.1	1.0	9.9	E 6° N
8 „	2.4	9.6	0.4	0.3	2.0	9.3	E 12° N
9 „	3.2	9.9	0.3	0.1	2.8	9.8	E 16° N
10 „	2.6	11.6	0.4	0.1	2.2	11.5	E 11° N
11 „	2.4	11.9	0.5	0.1	1.9	11.8	E 9° N
Midt.	3.5	11.6	0.4	0.1	+ 3.2	+ 11.6	E 15° N
Mean,.....	3.2	12.0	0.5	0.2	+ 2.8	+ 11.9	E 14° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AT VICTORIA PEAK, AND SEA DISTURBANCE.

Date.	4 a.			10 a.			4 p.			10 p.		
	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Se
1885.												
Oct. 1,.....	...	...	2	E	4	3	E	4	1	E	4	1
„ 2,.....	...	...	1	E	3	2	E	4	0	E	4	2
„ 3,.....	...	...	2	E	4	2	E	4	1	E	3	1
„ 4,.....	...	...	1	E	3	1	S	4	0	S	3	0
„ 5,.....	...	...	0	S	4	0	S	4	0	S	4	1
„ 6,.....	...	...	0	ENE	4	2	E	4	0	NE	4	1
„ 7,.....	...	...	2	ENE	5	1	ENE	4	1	NE	4	1
„ 8,.....	...	...	1	NNE	5	2	NNE	5	2	ENE	4	2
„ 9,.....	...	...	2	ENE	4	1	E	4	2	E	4	2
„ 10,.....	...	...	3	E	6	3	E	5	2	E	5	2
„ 11,.....	...	...	3	E	6	3	E	5	3	E	5	3
„ 12,.....	...	...	5	E	6	4	E	4	4	E	5	4
„ 13,.....	...	...	3	E	5	3	E	4	3	E	3	2
„ 14,.....	...	...	0	N	4	1	S	4	1	ENE	4	1
„ 15,.....	...	...	2	E	5	3	E	3	1	E	4	2
„ 16,.....	...	...	4	E	5	4	E	6	5	E	6	4
„ 17,.....	...	...	5	E	5	5	E	4	3	E	4	3
„ 18,.....	...	...	4	E	5	5	E	4	3	E	5	3
„ 19,.....	...	...	3	E	4	3	E	4	3	E	5	3
„ 20,.....	...	...	3	E	5	3	E	5	3	E	5	3
„ 21,.....	...	...	4	E	5	4	E	4	4	E	4	4
„ 22,.....	...	...	4	E	4	4	E	4	3	E	4	3
„ 23,.....	...	...	3	NE	5	3	ENE	5	3	NE	5	3
„ 24,.....	...	...	3	N	4	3	N	4	3	N	4	3
„ 25,.....	...	...	2	ENE	4	2	E	4	2	E	4	2
„ 26,.....	...	...	2	NE	4	2	E	4	2	E	4	2
„ 27,.....	...	...	4	E	5	4	E	5	4	E	5	5
„ 28,.....	...	...	5	E	6	5	E	6	5	E	6	5
„ 29,.....	...	...	4	E	5	4	E	5	3	E	4	3
„ 30,.....	...	...	3	NE	5	2	E	4	2	NE	4	2
„ 31,.....	...	...	4	E	6	3	E	5	2	E	5	1
Mean,.....	...	...	2.7	E 11° N	4.7	2.8	E 1° S	4.4	2.3	E 6° N	4.3	2

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1885.	ins.	ins.	ins.	°	°	°	°	°	°	°
Oct. 1,.....	28.243	28.199	28.191	71.8	74.2	72.4	140.0	75.9	69.0	68.5
„ 2,.....	.253	.202	.181	74.6	75.8	71.8	139.0	77.3	71.0	67.7
„ 3,.....	.155	.156	.172	73.4	73.4	73.6	137.0	76.9	71.4	69.5
„ 4,.....	.172	.112	.114	73.8	75.8	72.8	140.0	77.1	70.0	68.5
„ 5,.....	.139	.079	.079	74.8	74.2	73.2	144.0	76.5	71.0	69.5
„ 6,.....	.142	.099	.158	73.8	77.0	72.8	140.0	78.1	69.0	67.5
„ 7,.....	.212	.164	.176	72.2	73.8	71.6	147.0	75.9	68.0	67.9
„ 8,.....	.214	.150	.191	67.8	66.0	64.8	75.6	71.6	62.0	61.7
„ 9,.....	.218	.168	.205	67.6	69.6	68.6	130.0	72.1	64.8	64.7
„ 10,.....	.211	.172	.200	69.6	70.0	66.6	133.0	72.5	64.6	64.5
„ 11,.....	.207	.147	.146	69.0	71.2	68.8	130.0	74.3	66.0	65.7
„ 12,.....	.166	.116	.127	69.2	70.8	69.8	118.0	72.3	67.0	66.5
„ 13,.....	.140	.086	.125	70.0	72.2	70.8	137.4	74.3	69.0	68.7
„ 14,.....	.139	.079	.128	71.8	74.0	70.6	144.0	76.1	69.0	67.7
„ 15,.....	.175	.112	.164	73.0	74.6	70.8	140.2	76.8	67.8	69.1
„ 16,.....	.214	.165	.217	70.0	69.8	67.6	119.4	74.3	66.8	63.6
„ 17,.....	.266	.219	.212	68.2	69.2	68.0	141.0	74.3	65.0	64.5
„ 18,.....	.252	.170	.195	68.8	69.8	66.6	130.0	78.7	66.0	63.9
„ 19,.....	.239	.181	.207	70.4	70.8	67.6	130.2	71.9	66.0	64.3
„ 20,.....	.225	.175	.202	69.6	70.8	68.8	132.2	72.5	66.0	64.9
„ 21,.....	.235	.169	.184	68.8	70.2	67.8	131.2	72.3	65.2	64.5
„ 22,.....	.239	.175	.171	69.4	71.6	68.2	140.0	72.9	66.0	65.5
„ 23,.....	.213	.144	.137	69.2	69.2	66.8	140.0	72.1	66.0	61.5
„ 24,.....	.193	.170	.162	64.2	66.2	63.8	142.0	71.1	61.0	60.5
„ 25,.....	.225	.172	.209	63.2	66.6	63.0	138.0	71.3	61.0	54.5
„ 26,.....	.247	.184	.221	64.8	66.8	65.0	138.6	67.5	62.0	59.5
„ 27,.....	.248	.183	.220	66.2	66.2	63.8	122.2	68.1	60.0	60.7
„ 28,.....	.243	.196	.184	66.2	67.0	65.8	136.0	68.1	63.8	62.5
„ 29,.....	.243	.187	.178	66.6	68.8	66.6	137.2	69.8	63.0	63.1
„ 30,.....	.254	.212	.187	67.6	69.8	67.0	140.0	70.5	64.0	62.5
„ 31,.....	.230	.186	.209	67.0	67.8	67.2	129.0	70.3	64.0	62.5
Mean,.....	28.212	28.159	28.176	69.4	70.7	68.5	133.6	73.2	66.0	64.7

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND AT VICTORIA PEAK.

Date. 1885.	Relative Humidity.						Tension of Aqueous Vapour.					
	Observatory.			Victoria Peak.			Observatory.			Victoria Peak.		
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.
Oct. 1,.....	70	77	80	95	88	92	0.734	0.771	0.758	0.739	0.747	0.731
„ 2,.....	71	73	80	90	79	86	.749	.740	.764	.773	.704	.664
„ 3,.....	69	74	82	83	83	86	.726	.739	.776	.681	.681	.709
„ 4,.....	72	76	84	90	82	87	.745	.782	.776	.760	.735	.703
„ 5,.....	80	78	86	88	92	93	.829	.842	.848	.763	.778	.759
„ 6,.....	60	67	50	90	85	86	.696	.777	.495	.760	.791	.688
„ 7,.....	44	51	61	70	61	81	.432	.525	.536	.553	.512	.630
„ 8,.....	87	94	92	90	93	89	.635	.636	.668	.608	.596	.545
„ 9,.....	82	79	69	95	90	90	.685	.708	.634	.638	.655	.633
„ 10,.....	55	67	69	80	84	91	.521	.618	.632	.586	.616	.592
„ 11,.....	71	69	71	85	83	85	.629	.642	.657	.600	.635	.601
„ 12,.....	73	74	82	92	90	95	.673	.698	.726	.660	.677	.689
„ 13,.....	72	73	81	95	88	96	.703	.692	.719	.702	.696	.677
„ 14,.....	58	68	85	89	89	90	.628	.756	.815	.694	.750	.679
„ 15,.....	62	71	73	80	77	85	.618	.677	.653	.649	.665	.641
„ 16,.....	69	70	72	87	85	95	.625	.637	.642	.644	.618	.645
„ 17,.....	64	56	69	87	78	80	.561	.495	.609	.603	.556	.551
„ 18,.....	62	73	80	80	90	96	.557	.637	.687	.561	.653	.629
„ 19,.....	59	68	80	87	81	93	.553	.623	.681	.646	.605	.631
„ 20,.....	75	69	76	88	85	85	.682	.625	.671	.641	.641	.595
„ 21,.....	75	68	78	90	84	90	.675	.602	.679	.630	.620	.608
„ 22,.....	67	68	75	91	82	93	.630	.614	.598	.658	.637	.645
„ 23,.....	60	56	58	85	78	79	.513	.479	.388	.604	.556	.520
„ 24,.....	48	45	42	76	69	60	.365	.352	.306	.458	.445	.356
„ 25,.....	42	46	68	80	64	72	.318	.357	.461	.464	.416	.413
„ 26,.....	41	43	57	81	63	81	.339	.344	.459	.500	.413	.504
„ 27,.....	42	56	70	74	72	84	.362	.478	.604	.483	.464	.494
„ 28,.....	66	63	72	87	83	84	.538	.527	.581	.560	.550	.533
„ 29,.....	61	68	78	82	75	78	.504	.562	.616	.535	.534	.509
„ 30,.....	71	71	76	93	85	90	.610	.613	.608	.631	.625	.591
„ 31,.....	71	76	81	92	90	97	.600	.640	.672	.611	.608	.630
Mean, ...	64	67	73	86	82	87	0.595	0.619	0.636	0.626	0.619	0.607

TABLE XII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1885.												
Oct. 1, ...	1	sm-cum.	...	6	cum.	E	5	cum.	E	2	cum.	E
„ 2, ...	0	...	...	4	cum.	ENE	1	cum.	...	1	cum.	NNE
„ 3, ...	* 1	cum.	...	3	cum.	E	3	cum.	E	2	cum.	E
„ 4, ...	* 2	cum.	...	4	cum.	SE	3	cum.	ESE	2	cum.	SE
„ 5, ...	* 1	cum.	...	3	nim.	...	8	sm-cum.	W	7	c. / R-cum.	WNW / SSW
„ 6, ...	9	cum.	W	6	cum-nim.	N	3	cum.	W	6	sm-cum.	W
„ 7, ...	0	...	...	0	...	...	9	sm-cum.	W	3	c-cum. / sm-cum.	W / WNW
„ 8, ...	10	str.	...	10	nim.	NE	10	nim.	...	10	nim.	NE
„ 9, ...	10	cum.	ENE	10	nim.	N	10	cum-nim.	ENE	9	R-cum.	NE
„ 10, ...	8	cum.	ENE	9	cum.	ENE	8	sm-cum. / cum.	W / ENE	1	sm-cum.	W
„ 11, ...	1	cum.	E	3	cum.	ENE	2	cum.	E	1	cum.	E
„ 12, ...	1	cum.	E	3	cum-nim.	E	8	sm-cum. / cum.	W / E	7	sm-cum. / R-cum.	W / E
„ 13, ...	1	cum.	E	9	cum-nim.	E	9	cum-nim.	E	5	sm-cum. / cum.	W / E
„ 14, ...	0	...	...	2	str.	...	0	...	...	0	...	...
„ 15, ...	8	cum.	N	3	cum.	ENE	0	...	...	5	cum.	E
„ 16, ...	2	cum.	E	5	cum.	ENE	0	...	...	7	cum. / R-cum.	E / E
„ 17, ...	10	nim.	...	7	cum.	E	10	str. / cum-nim.	E	9	sm-cum. / cum.	W / E
„ 18, ...	10	cum.	E	9	cum-nim.	E	10	str.	...	10	sm-cum. / cum.	WNW / E
„ 19, ...	10	nim.	ENE	9	cum-nim.	ENE	1	cum.	ENE	0	...	...
„ 20, ...	1	sm-cum.	...	5	cum.	ENE	4	cum.	ENE	4	cum.	E
„ 21, ...	1	cum.	...	6	nim.	E	1	cum.	E	6	R-cum.	E
„ 22, ...	10	cum.	NE	8	cum-nim.	ENE	7	cum.	NE	2	cum.	NNE
„ 23, ...	9	cum-nim.	E	9	R-cum.	NE	10	str.	...	6	sm-cum. / cum.	SW / N
„ 24, ...	1	sm-cum.	WSW	8	cum.	NE	9	sm-cum.	WSW	9	sm-cum. / R-cum.	W / ENE
„ 25, ...	8	sm-cum.	W	7	cum.	...	7	sm-cum.	W	6	sm-cum.	W
„ 26, ...	0	...	...	2	cum.	ESE	0	...	...	0	...	...
„ 27, ...	10	sm-cum.	SW	7	cum.	SSE	10	R-cum.	SSW	9	R-cum.	SSW
„ 28, ...	9	cum. / cum.	SW / E	8	cum.	E	2	cum.	E	1	cum.	E
„ 29, ...	9	sm-cum.	WSW	6	cum.	...	1	sm-cum.	WSW	3	sm-cum.	W
„ 30, ...	8	sm-cum.	SW	10	nim.	...	9	sm-cum.	WSW	7	sm-cum.	WSW
„ 31, ...	9	cum.	WSW	7	cum.	E	10	cum-str.	SW	8	sm-cum. / R-cum.	SW / E
Mean, ...	5.2	...	...	6.1	...	...	5.5	...	...	4.8	...	...

* Interpolated.

TABLE XII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Daily and Monthly Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1885.													
Oct. 1,.....	9	sm-cum. / R-cum.	NW / NNE	6	sm-cum. / cum.	N /	8	sm-cum. / cum-str.	NNW /	9	cum.	NNE	5.7
„ 2,.....	1	cum.	N	0	...	...	0	...	...	0	...	...	0.9
„ 3,.....	1	c. / cum.	NNE / E	0	...	...	0	...	...	0	...	...	1.3
„ 4,.....	5	cum.	SW	1	c-cum. / cum.	WNW / S	0	...	...	0	...	...	2.1
„ 5,.....	6	c-str. / cum.	W / WSW	9	c-str. / cum.	W / WSW	10	str.	...	10	str.	...	6.7
„ 6,.....	7	sm-cum.	W	7	cum.	NW	1	cum.	N	0	...	...	4.9
„ 7,.....	5	sm-cum.	W	9	c-str. / sm-cum.	W	10	str. / cum.	W	9	str. / cum.	W	5.6
„ 8,.....	10	nim.	NE	10	nim.	...	10	nim.	NE	10	nim.	ENE	10.0
„ 9,.....	10	R-cum.	NE	10	cum. / R-cum.	W / ENE	10	cum. / R-cum.	W / ENE	2	cum.	NE	8.9
„ 10,.....	1	cum.	E	1	cum.	E	1	cum.	E	1	cum.	E	3.8
„ 11,.....	1	cum.	E	1	cum.	E	1	cum.	E	1	cum.	E	1.4
„ 12,.....	10	R-cum.	...	9	R-cum.	WSW	0	...	...	1	cum.	E	4.9
„ 13,.....	7	R-cum.	W	2	sm-cum.	N	0	...	...	0	...	...	4.1
„ 14,.....	1	cum.	NNE	1	cum.	N	0	...	...	10	cum.	...	1.7
„ 15,.....	3	cum.	NNE	6	R-cum.	N	10	cum.	N	0	...	...	4.4
„ 16,.....	8	R-cum. / cum-nim.	E / E	2	R-cum.	E	4	cum.	E	10	cum.	E	4.8
„ 17,.....	4	sm-cum.	WSW	8	sm-cum.	W	10	cum. / cum.	W / E	10	cum. / cum.	W / E	8.5
„ 18,.....	10	str. / cum-nim.	E	10	str. / cum-nim.	E	10	nim.	E	10	cum-nim.	E	9.9
„ 19,.....	0	...	...	0	...	...	0	...	...	2	c-str.	SW	2.7
„ 20,.....	4	cum.	E	1	cum.	E	1	cum.	E	6	cum.	E	3.3
„ 21,.....	2	cum.	E	1	cum.	ENE	1	cum.	ENE	10	cum.	ENE	3.5
„ 22,.....	5	c-cum. / R-cum. / c-cum.	WSW / N / W	5	R-cum.	N	10	cum.	NNE	8	cum.	E	6.9
„ 23,.....	3	sm-cum. / sm-cum.	WSW / N	4	sm-cum.	W	0	...	...	1	c-cum.	W	5.2
„ 24,.....	10	cum. / sm-cum. / R-cum.	W / ENE	9	sm-cum.	W	10	sm-cum.	W	7	sm-cum.	W	7.9
„ 25,.....	9	sm-cum.	W	2	sm-cum.	W	0	...	...	0	...	...	4.9
„ 26,.....	0	...	...	0	...	...	0	...	...	1	c-cum.	S	0.4
„ 27,.....	9	cum-str.	SW	9	cum-str.	W	9	sm-cum.	WSW	9	sm-cum. / cum.	WSW / E	9.0
„ 28,.....	1	sm-cum. / cum.	E	5	sm-cum.	W	9	sm-cum. / cum.	E	4	c-cum. / cum.	WSW / E	4.9
„ 29,.....	2	sm-cum.	WNW	0	...	...	0	...	...	1	cum.	...	2.8
„ 30,.....	3	c-cum. / cum. / c-cum.	WSW / E / W	8	sm-cum.	WSW	10	nim.	...	4	str.	SW	7.4
„ 31,.....	6	sm-cum. / R-cum.	SW / E	8	sm-cum. / R-cum.	SW / E	2	cum.	E	7	cum-nim.	E	7.1
Mean,.....	4.9	...	...	4.6	...	...	4.4	...	...	4.6	...	...	5.0

TABLE XIII.

RAINFALL, AT DIFFERENT STATIONS.

Date.	Observatory.		Stone Cutters' Island.	Victoria Peak.
	Amount.	Duration.	Amount.	Amount.
1885.	ins.	hrs.	ins.	ins.
Oct. 1,	...	...	...	...
„ 2,	...	...	...	...
„ 3,	...	...	...	...
„ 4,	...	...	...	...
„ 5,	0.060	1	0.23	0.23
„ 6,	...	...	...	...
„ 7,	0.650	5	0.60	0.70
„ 8,	1.470	11	1.53	1.36
„ 9,	...	...	...	...
„ 10,	...	...	...	...
„ 11,	...	...	...	...
„ 12,	0.250	3	0.23	0.20
„ 13,	...	...	...	...
„ 14,	...	...	...	...
„ 15,	...	...	...	...
„ 16,	0.005	1	...	...
„ 17,	0.050	1	...	...
„ 18,	0.020	2	...	...
„ 19,	...	...	...	...
„ 20,	...	...	...	...
„ 21,	0.005	1	...	...
„ 22,	...	...	...	...
„ 23,	...	...	...	...
„ 24,	...	...	...	...
„ 25,	...	...	...	...
„ 26,	...	...	...	...
„ 27,	...	...	...	...
„ 28,	...	...	...	...
„ 29,	...	...	...	...
„ 30,	...	...	...	...
„ 31,	...	...	...	...
Total,	2.510	25	2.59	2.49

W. Doberck,
Government Astronomer

Hongkong Observatory, 16th December, 1885.

HONGKONG OBSERVATORY.

Weather Report for November, 1885.

In the *China Coast Meteorological Register*, based on information transmitted by the Great Northern and the Eastern Extension Telegraph Companies, which was daily published, is given a summary of the atmospheric circumstances in Luzon and along the Coast of China. It also contains information concerning the weather in Nagasaki and Wladivostock, and the first appearance and progress of typhoons.

Unusual visibility was noted on the 12th, the 14th, and the 16th.

Dew fell on the evening of the 1st, the 8th, the 9th, the 10th and the 16th.

Fog occurred in the morning on the 2nd and the 9th, and Haze in the afternoon on the 3rd, during the whole day on the 5th, the 6th and the 8th.

A faint lunar halo was seen on the 17th.

Lunar coronas were seen on the 17th, the 20th and the 21st.

Faint lightning was noticed in the evening on the 2nd, and thunder and lightning in the early morning hours on the 4th.

The Total Distance travelled by, as well as the Duration and average Velocity of Winds from different quarters were as follows:—

Direction.	*Total Distance.*	*Duration.*	*Velocity.*
	Miles.	Hours.	Miles per hour.
N	2516	172	14.5
NE	1769	139	12.7
E	3664	257	14.3
SE	360	38	9.5
S	61	11	5.5
SW	54	11	4.9
W	305	50	6.1
NW	55	6	9.2
Calm	24	36	0.7

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF NOVEMBER, 1895.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Nov. 1, ...	29.931	29.928	29.904	29.914	29.915	29.939	29.957	29.968	29.985	29.974	29.953	29.924	29.891	29.871	29.856	29.851	29.854	29.867	29.880	29.897	29.891	29.896	29.898	29.895	29.910
„ 2, ...	.878	.868	.850	.862	.865	.880	.890	.901	.917	.916	.889	.871	.839	.816	.814	.812	.816	.830	.848	.866	.875	.879	.876	.869	.864
„ 3, ...	.867	.861	.851	.844	.851	.865	.879	.890	.905	.905	.893	.860	.835	.821	.812	.832	.851	.866	.895	.913	.921	.926	.928	.920	29.875
„ 4, ...	.914	.918	.922	.945	.960	.981	30.017	30.029	30.038	30.058	30.037	30.010	.979	.970	.967	.974	.986	30.011	30.028	30.044	30.053	30.066	30.066	30.051	30.002
„ 5, ...	30.047	30.041	30.034	30.028	30.045	30.057	.085	.109	.115	.111	.096	.070	30.044	30.013	30.000	30.000	30.000	.019	.031	.043	.069	.074	.073	.067	.058
„ 6, ...	.059	.053	.041	.034	.041	.059	.075	.089	.103	.108	.083	.046	.009	29.996	.992	.990	.997	.020	.028	.042	.051	.052	.049	.041	30.045
„ 7, ...	.025	.011	.004	*.000	*.003	*.006	*.011	*.015	*.017	.017	.006	29.966	29.937	.896	29.888	29.877	29.881	29.882	29.901	29.913	29.910	29.904	29.890	29.866	29.931
„ 8, ...	29.859	29.848	29.842	29.845	*29.849	*29.853	*29.860	*29.866	*29.868	29.868	29.844	.813	.791	.755	.743	.745	.754	.772	.794	.827	.836	.832	.835	.837	.825
„ 9, ...	.846	.836	.830	.830	.836	.865	.879	.889	.908	.917	.894	.872	.838	.818	.813	.818	.825	.841	.859	.875	.890	.907	.914	.913	.863
„ 10, ...	.913	.909	.908	.907	.907	.924	.935	.959	.967	.968	.946	.922	.894	.876	.862	.874	.891	.905	.929	.949	.956	.956	.960	.960	29.924
„ 11, ...	.960	.960	.965	.974	.979	.996	30.017	30.027	30.028	30.011	30.010	.999	.973	.969	.969	.978	30.003	30.026	30.045	30.077	30.102	30.120	30.122	30.128	30.018
„ 12, ...	30.134	30.134	30.142	30.142	30.149	30.178	.214	.228	.236	.248	.244	30.226	30.197	30.179	30.175	30.189	.207	.220	.245	.209	.284	.293	.287	.287	.213
„ 13, ...	.281	.267	.251	.252	.254	.273	.287	.302	.311	.303	.291	.262	.228	.203	.188	.185	.185	.191	.208	.222	.239	.234	.235	.230	.245
„ 14, ...	.223	.215	.207	.204	.194	.205	.220	.234	.236	.234	.215	.190	.153	.132	.120	.115	.122	.143	.165	.179	.190	.188	.185	.179	.185
„ 15, ...	.169	.160	.146	.139	.143	.162	.177	.197	.204	.196	.176	.140	.107	.090	.090	.080	.088	.094	.109	.139	.152	.164	.163	.146	.143
„ 16, ...	.129	.113	.105	.094	.102	.110	.133	.153	.160	.158	.135	.109	.064	.048	.044	.050	.053	.078	.090	.099	.113	.124	.112	.105	.103
„ 17, ...	.088	.071	.057	.069	.070	.077	.094	.112	.126	.120	.100	.069	.036	.000	29.992	29.984	29.995	.015	.029	.040	.049	.039	.030	.030	.033
„ 18, ...	.021	.009	.009	.008	.028	.028	.056	.068	.083	.074	.051	.028	29.981	29.966	29.963	29.964	29.977	29.979	.015	.132	.051	.045	.044	.051	.022
„ 19, ...	.053	.055	.053	.053	.068	.092	.114	.127	.144	.134	.115	.091	30.059	30.038	30.025	30.033	30.052	30.068	.092	.111	.133	.119	.124	.115	.086
„ 20, ...	.124	.124	.111	.116	.118	.141	.161	.175	.182	.181	.154	.131	.098	.079	.073	.079	.081	.089	.111	.132	.143	.141	.144	.135	.126
„ 21, ...	.128	.124	.115	.105	.117	.127	.149	.166	.168	.170	.161	.134	.102	.086	.081	.076	.094	.113	.125	.132	.140	.135	.119	.125	.125
„ 22, ...	.111	.094	.092	.101	.102	.102	.111	.127	.143	.154	.139	.105	.077	.057	.041	.045	.057	.065	.073	.085	.083	.086	.089	.081	.092
„ 23, ...	.071	.063	.051	.043	.039	.062	.077	.098	.106	.099	.090	.085	.021	.002	.002	.013	.027	.042	.056	.072	.079	.082	.085	.088	.061
„ 24, ...	.089	.069	.064	.056	.052	.062	.082	.115	.132	.136	.124	.113	.081	.061	.050	.059	.066	.076	.078	.095	.103	.104	.098	.083	.085
„ 25, ...	.082	.085	.082	.084	.093	.107	.129	.139	.159	.153	.141	.112	.077	.065	.055	.057	.070	.088	.099	.110	.129	.141	.130	.107	.104
„ 26, ...	.101	.093	.090	.082	.088	.113	.139	.157	.183	.176	.174	.150	.130	.098	.095	.119	.143	.162	.178	.194	.204	.220	.221	.213	.147
„ 27, ...	.191	.175	.180	.176	.176	.194	.214	.231	.232	.226	.196	.167	.138	.111	.107	.114	.126	.139	.152	.173	.188	.195	.182	.166	.173
„ 28, ...	.168	.163	.157	.148	.155	.158	.175	.193	.204	.207	.192	.158	.127	.107	.093	.101	.109	.130	.156	.180	.192	.196	.190	.175	.160
„ 29, ...	.173	.166	.160	.158	.146	.162	.173	.193	.211	.199	.183	.165	.136	.113	.116	.122	.130	.143	.159	.174	.179	.176	.177	.172	.162
„ 30, ...	.166	.145	.128	.122	.119	.122	.141	.162	.170	.170	.160	.144	.108	.081	.069	.069	.075	.087	.105	.124	.131	.133	.129	.122	30.124
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	30.060	30.052	30.045	30.044	30.049	30.063	30.082	30.097	30.109	30.106	30.090	30.064	30.032	30.011	30.004	30.007	30.018	30.032	30.049	30.067	30.078	30.082	30.079	30.073	30.058

* Interpolated.

TABLE 11.

TEMPERATURE FOR THE MONTH OF NOVEMBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min
Nov. 1	72.8	73.1	73.1	73.0	72.9	73.0	73.5	73.7	75.5	75.2	75.7	76.0	76.4	76.7	75.8	74.8	74.1	73.7	73.5	73.3	73.3	73.1	†72.4	71.8	74.0	77.0	71.8
„ 2	71.7	71.7	71.5	72.0	72.3	72.6	73.2	74.9	76.7	76.9	78.5	78.9	77.7	77.7	77.0	76.7	75.2	74.2	73.8	73.5	73.5	73.4	73.2	73.0	74.6	79.5	71.5
„ 3	73.2	72.9	73.2	73.4	74.0	74.0	74.6	75.2	75.8	76.2	76.4	76.1	76.0	75.7	75.4	75.5	74.7	74.6	74.5	74.8	74.9	74.6	74.3	74.1	74.8	76.4	72.9
„ 4	73.7	71.2	71.0	71.6	70.8	69.9	69.5	69.7	70.7	71.4	73.5	74.1	76.2	75.7	75.7	75.1	72.1	70.6	69.2	68.6	67.0	65.5	68.8	63.3	70.9	76.2	62.9
„ 5	61.7	61.2	61.6	61.1	60.9	60.5	62.2	63.4	65.2	66.7	67.9	68.9	68.9	69.2	68.7	68.5	68.5	67.3	66.2	66.3	66.4	67.1	66.7	67.2	65.5	69.2	60.1
„ 6	66.9	66.0	65.8	65.7	65.7	65.5	66.4	67.7	68.7	69.5	69.9	71.8	71.7	70.7	69.7	69.6	68.6	68.3	68.1	68.3	68.4	68.4	68.9	68.9	68.3	71.8	65.4
„ 7	69.4	69.5	69.0	69.0	68.8	68.5	68.3	69.5	72.3	74.4	74.7	75.0	73.7	74.5	74.9	74.0	73.1	72.4	71.1	71.9	70.8	70.3	70.7	71.0	71.5	75.3	68.3
„ 8	70.3	68.6	69.2	68.3	68.0	69.6	69.6	71.7	74.4	75.2	75.6	75.8	76.7	76.3	76.4	75.6	72.4	72.0	71.1	70.8	70.7	70.6	70.6	69.5	72.0	76.7	66.6
„ 9	68.6	68.9	69.3	69.4	69.4	69.1	69.8	71.5	74.2	74.0	75.3	76.7	78.2	79.0	78.7	77.0	74.5	72.3	71.9	71.7	70.8	71.2	70.9	70.9	72.6	79.7	68.6
„ 10	70.5	70.3	70.2	70.2	70.1	70.4	71.3	73.2	73.7	74.8	74.6	74.4	74.7	74.7	74.1	73.7	72.8	72.3	71.6	71.4	71.0	71.1	70.4	70.1	72.2	75.1	69.9
„ 11	70.7	70.6	70.4	70.5	70.6	70.4	70.9	71.8	73.5	74.7	74.6	74.3	74.3	73.8	73.3	72.9	72.9	72.1	71.9	69.8	67.5	64.4	64.7	63.4	71.0	74.8	63.4
„ 12	61.3	61.1	60.4	59.8	59.8	58.8	58.8	59.5	60.7	61.7	63.0	64.1	64.7	65.0	64.8	64.3	62.7	61.0	60.3	59.0	58.4	57.7	56.8	57.2	60.9	65.1	56.6
„ 13	57.7	58.0	57.7	58.2	57.7	55.9	55.0	57.0	59.7	61.3	62.8	62.7	64.7	64.3	64.7	64.3	63.6	62.9	62.8	62.7	62.8	64.0	64.8	65.2	61.3	65.2	55.0
„ 14	64.8	63.9	63.9	63.4	62.7	62.7	62.6	64.5	66.7	68.7	69.2	69.2	71.2	70.9	69.7	69.2	68.4	67.3	67.1	67.4	68.3	69.3	69.1	68.9	67.0	71.2	62.2
„ 15	68.5	68.3	68.2	67.8	67.5	67.1	67.4	68.4	70.1	72.5	70.9	71.4	71.8	71.8	72.0	71.3	70.4	69.9	69.5	70.0	70.0	69.8	69.3	68.6	69.7	72.5	67.0
„ 16	68.1	67.8	67.8	67.5	67.8	67.5	68.1	68.9	70.0	71.2	71.6	71.7	72.5	72.0	71.7	70.7	71.1	69.5	69.1	68.8	69.2	69.0	69.0	69.2	69.6	72.9	67.5
„ 17	70.0	70.3	70.1	70.4	70.4	70.7	71.0	72.1	73.5	74.4	75.7	76.7	75.3	75.4	75.7	73.9	73.3	71.8	71.4	71.2	70.8	70.6	70.4	69.8	72.3	76.7	69.8
„ 18	70.3	70.2	69.9	69.0	69.4	69.9	70.7	72.2	73.5	74.7	75.1	75.0	75.9	74.6	74.0	73.4	72.7	71.2	71.1	71.0	71.5	70.3	69.2	69.1	71.8	75.9	68.9
„ 19	69.0	68.1	67.9	67.5	67.1	67.3	67.0	67.2	67.4	69.2	71.6	72.1	73.3	72.7	72.7	71.5	70.5	67.9	67.6	66.9	66.2	65.9	65.4	64.8	68.6	73.3	64.8
„ 20	64.7	64.6	64.4	64.2	63.4	63.6	63.8	65.0	65.7	67.9	68.5	68.8	68.7	68.7	68.0	67.6	67.3	66.0	65.9	66.3	67.0	67.3	67.4	67.3	66.3	69.7	63.4
„ 21	66.8	66.5	66.2	65.5	65.2	65.1	65.0	65.5	66.2	68.1	68.9	69.1	69.8	70.7	70.1	69.4	66.8	66.6	65.9	65.9	66.3	65.9	66.5	66.5	67.0	70.9	64.9
„ 22	66.5	66.4	66.1	65.8	65.4	64.8	64.8	66.2	67.3	68.6	69.8	70.2	70.8	71.5	70.7	70.5	69.7	68.6	67.8	67.4	66.8	67.1	66.9	66.6	67.8	71.6	64.6
„ 23	65.7	66.4	66.6	66.5	66.7	66.1	66.7	67.4	69.0	70.9	71.4	72.7	71.7	72.7	72.1	70.9	69.7	68.1	66.6	65.8	65.2	64.3	64.1	63.6	68.0	73.6	63.6
„ 24	62.6	62.6	62.5	62.0	62.7	62.2	62.6	†63.2	†63.1	64.2	64.7	65.7	66.4	66.7	65.7	64.2	63.7	62.8	62.1	61.5	61.3	61.0	61.0	60.9	63.1	67.1	60.6
„ 25	58.7	58.2	57.6	55.9	55.1	55.1	55.4	56.2	57.4	59.7	60.1	60.7	61.8	62.2	62.7	62.7	62.2	61.8	61.4	61.7	62.2	62.5	62.1	62.6	59.8	62.7	55.1
„ 26	63.1	63.1	63.0	62.4	61.8	61.9	62.3	62.9	64.2	64.4	65.2	65.7	66.5	66.2	66.2	65.9	65.3	65.1	65.1	64.8	64.4	63.6	63.4	62.8	64.1	66.9	61.8
„ 27	61.8	61.0	60.2	59.4	58.7	58.7	59.0	60.1	61.7	62.7	64.5	66.7	66.2	66.8	67.0	66.6	65.2	64.0	63.6	63.2	62.7	62.5	62.4	61.5	62.8	67.3	58.6
„ 28	60.6	59.9	59.3	59.0	58.8	59.7	59.0	60.5	62.0	64.0	64.7	65.4	65.7	65.9	65.2	64.7	64.2	63.4	62.7	62.0	61.5	60.4	60.5	60.9	62.1	66.1	58.7
„ 29	60.8	61.1	60.7	60.5	60.5	61.6	61.7	62.5	64.6	65.9	66.7	66.7	66.7	66.4	66.7	66.1	65.7	65.4	65.3	65.4	65.5	65.0	65.1	65.4	64.2	66.7	60.5
„ 30	65.5	65.3	64.9	64.3	63.9	64.1	64.2	65.0	65.9	66.7	67.4	67.7	67.5	67.7	67.2	66.8	65.9	65.5	65.4	65.4	65.3	65.1	65.1	65.0	65.7	68.0	63.9
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means	66.5	66.2	66.1	65.8	65.6	65.5	65.8	66.9	68.3	69.5	70.3	70.8	71.2	71.2	70.9	70.2	69.3	68.3	67.8	67.6	67.3	67.0	66.8	66.6	68.0	71.8	64.3

† Approximate.

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF NOVEMBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Sun.	Rad.
Nov. 1,	69.6	69.8	70.0	69.9	69.8	69.7	69.8	69.6	70.6	70.0	70.4	70.6	70.8	71.1	70.6	70.5	70.6	70.7	70.8	70.9	70.9	70.9	70.0	69.7	70.3	133.3	69.7
„ 2,	69.6	70.0	69.7	69.8	70.5	70.5	71.0	71.2	70.8	70.9	70.8	72.4	71.9	71.9	71.8	71.6	70.3	70.0	70.2	70.3	70.7	70.2	70.2	70.3	70.7	135.6	67.5
„ 3,	70.2	70.0	70.2	70.8	70.9	70.5	71.0	71.6	71.6	71.6	71.4	72.2	71.6	71.7	71.8	71.8	71.9	71.6	71.6	71.8	71.7	71.7	71.6	71.4	139.7	68.2
„ 4,	71.6	68.8	69.1	68.7	66.8	61.6	*60.2	58.8	58.9	58.0	58.8	56.9	56.0	56.5	56.7	56.2	55.6	*53.9	*52.2	50.4	*50.0	49.6	49.4	†48.5	58.0	135.4	59.6
„ 5,	46.7	*47.0	*47.2	*47.5	*47.8	*48.0	*48.3	48.6	50.1	52.6	54.2	57.7	56.6	56.9	57.9	57.2	57.1	*56.7	56.3	*57.1	*57.9	58.7	59.8	59.7	53.7	127.4	49.8
„ 6,	60.4	60.2	60.2	59.8	59.0	58.2	59.0	59.1	58.8	59.6	60.3	59.2	60.0	60.6	60.5	59.8	60.3	59.9	59.7	59.9	59.8	60.0	61.0	61.9	59.9	137.7	60.4
„ 7,	62.4	60.9	60.7	61.4	62.2	61.6	61.5	61.6	62.1	62.5	61.0	59.6	61.4	61.4	60.6	61.7	62.3	61.3	60.4	57.5	59.8	60.7	57.5	58.9	60.9	139.8	62.7
„ 8,	59.7	61.1	*61.0	60.9	*61.0	*61.1	*61.3	61.4	62.6	62.5	62.6	62.8	63.8	64.5	65.2	65.6	63.9	62.8	65.0	64.4	63.6	63.4	62.9	64.0	62.8	134.7	58.7
„ 9,	65.4	65.4	65.6	65.3	65.7	64.9	66.1	67.1	68.6	67.7	67.0	65.6	65.4	66.9	68.3	69.0	67.4	65.9	64.9	65.4	65.3	67.3	67.8	68.5	66.5	133.3	58.9
„ 10,	68.5	68.3	68.1	68.2	68.0	67.5	68.0	69.6	69.6	69.7	69.2	68.6	68.7	68.6	68.1	67.8	67.2	67.2	67.4	67.4	67.3	67.3	67.8	67.8	68.1	140.2	63.2
„ 11,	67.6	67.6	66.9	66.8	66.8	66.8	66.7	66.8	67.1	67.0	67.2	68.1	68.0	67.9	67.7	67.4	67.5	67.2	67.5	61.4	59.6	58.7	57.8	55.8	65.5	132.7	59.9
„ 12,	54.7	54.8	†53.0	*52.6	*52.3	*52.0	*51.6	51.3	51.9	52.4	53.6	54.6	54.6	54.6	54.4	53.7	52.5	50.8	51.1	49.7	49.6	49.6	49.6	52.2	52.5	134.8	52.2
„ 13,	49.6	50.4	50.3	50.6	50.3	48.3	*48.5	48.6	50.1	51.6	53.7	52.7	54.7	54.3	54.7	54.4	53.6	53.7	53.3	52.3	51.4	53.7	54.7	54.3	52.1	111.1	53.0
„ 14,	54.0	53.9	*53.9	*54.0	*53.7	*52.6	*53.0	53.8	56.0	56.9	57.7	58.1	58.6	59.1	60.1	60.6	60.6	60.5	60.7	62.2	62.9	63.6	63.2	63.5	58.1	126.8	60.3
„ 15,	63.7	63.3	62.6	62.1	61.2	60.1	60.1	60.9	61.8	62.9	63.0	63.1	63.1	63.2	63.6	64.1	64.5	64.8	64.9	64.7	65.0	64.3	63.6	64.1	63.1	135.0	62.6
„ 16,	64.2	63.6	63.3	63.2	63.1	62.8	62.0	62.0	62.9	63.8	63.4	64.1	63.7	64.4	64.1	64.3	63.9	64.0	64.8	64.7	65.5	65.8	*66.0	*66.1	64.0	130.4	64.2
„ 17,	66.3	*65.7	*65.1	*65.0	*64.9	*64.3	*64.1	*64.4	*65.1	65.6	66.6	66.3	66.8	66.6	66.4	66.9	66.8	66.6	66.8	66.8	66.6	66.6	66.3	66.0	66.9	134.6	65.5
„ 18,	64.5	64.0	63.4	63.5	63.5	62.8	*63.5	*64.2	*64.9	65.6	66.0	66.1	66.4	66.9	66.5	66.4	65.6	65.1	65.6	65.9	65.5	64.0	64.3	62.8	64.9	134.6	63.4
„ 19,	62.5	*61.9	*60.9	*60.3	*59.7	*58.4	*58.7	*58.0	*57.7	59.0	59.7	59.6	60.3	59.9	60.0	59.4	58.8	55.6	55.5	55.3	55.0	54.8	†55.1	54.4	58.3	132.6	63.8
„ 20,	53.5	53.8	53.6	53.2	53.2	52.5	53.7	52.8	52.8	55.6	56.4	57.0	57.6	56.8	57.6	58.3	58.5	57.7	58.4	58.8	59.5	59.5	59.7	59.4	56.2	131.8	60.9
„ 21,	59.3	59.5	58.7	58.7	58.0	58.6	58.3	58.2	57.6	58.7	59.4	59.6	60.0	60.6	58.6	58.8	55.8	56.9	57.4	*57.4	*57.4	57.4	57.9	58.0	58.4	127.6	62.7
„ 22,	57.0	*57.8	*57.3	*57.4	*57.4	*57.9	*58.4	*59.0	*58.8	60.1	60.5	60.3	60.4	60.1	58.8	59.4	58.0	56.6	55.8	57.8	57.3	57.8	*57.2	56.6	58.2	126.0	61.0
„ 23,	57.6	57.7	56.9	56.4	56.6	56.4	57.0	57.8	57.4	58.6	58.8	59.7	59.0	59.7	60.6	60.5	60.1	58.7	57.7	57.7	57.1	56.9	56.9	56.5	58.0	140.3	57.8
„ 24,	55.0	54.9	55.4	54.7	54.6	54.3	†53.5	†54.1	†53.6	54.6	55.2	55.1	54.8	55.3	54.7	53.5	52.9	52.6	†52.5	†52.3	†52.5	52.7	†53.3	54.3	54.0	111.2	60.4
„ 25,	53.9	52.9	52.4	52.5	52.5	51.7	51.7	53.2	53.7	55.6	56.0	55.8	56.7	57.6	57.3	57.3	57.3	57.0	56.6	57.2	57.7	57.4	57.4	57.8	55.4	101.8	56.0
„ 26,	57.4	57.3	57.3	57.1	56.2	56.0	56.1	56.5	57.5	57.4	58.0	57.4	57.6	57.6	57.6	57.9	57.2	57.3	57.2	57.5	57.6	57.7	56.3	50.6	56.9	126.2	55.8
„ 27,	46.0	44.8	*46.9	*47.2	*47.6	*46.3	*45.4	*46.8	*48.7	48.4	49.0	51.5	50.6	51.4	51.3	51.4	51.1	50.4	50.7	50.1	49.0	49.4	48.5	49.3	48.8	127.8	50.3
„ 28,	49.8	49.3	51.2	*51.3	*51.3	*50.1	*49.0	*50.3	*52.1	51.6	52.9	53.3	53.4	53.4	53.6	54.5	53.6	54.0	54.3	53.9	53.3	54.3	53.9	53.9	52.4	124.8	49.9
„ 29,	54.4	55.0	54.7	54.9	55.2	53.9	52.9	54.3	56.2	55.8	57.2	58.0	58.1	58.2	57.6	57.6	56.7	57.1	57.8	58.6	59.1	59.8	60.2	60.5	56.8	125.5	49.0
„ 30,	60.5	60.3	60.5	60.1	59.2	58.7	59.2	58.2	57.9	58.7	57.1	57.0	58.2	57.7	58.2	59.8	59.4	58.8	59.2	58.1	58.8	59.0	60.1	61.0	59.0	127.1	61.7
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	59.9	59.7	59.5	59.5	59.3	58.6	58.7	59.0	59.6	60.2	60.6	60.8	61.0	61.2	61.2	61.2	60.7	60.2	60.2	59.9	59.9	60.1	60.0	59.8	60.0	129.7	59.7

† Approximate. * Interpolated.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF NOVEMBER, 1885.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1885.		
1 a	66	0.440	Nov. 1,.....	82	0.693
2 „	66	0.438	„ 2,.....	81	0.700
3 „	66	0.432	„ 3,.....	84	0.725
4 „	67	0.436	„ 4,.....	42	0.312
5 „	67	0.433	„ 5,.....	41	0.258
6 „	64	0.413	„ 6,.....	58	0.406
7 „	64	0.411	„ 7,.....	52	0.395
8 „	60	0.406	„ 8,.....	57	0.450
9 „	57	0.406	„ 9,.....	71	0.570
10 „	55	0.409	„ 10,.....	81	0.634
11 „	54	0.411	„ 11,.....	73	0.556
Noon.	52	0.411	„ 12,.....	51	0.277
1 p	53	0.412	„ 13,.....	49	0.269
2 „	53	0.419	„ 14,.....	55	0.367
3 „	54	0.422	„ 15,.....	68	0.491
4 „	57	0.432	„ 16,.....	73	0.523
5 „	59	0.428	„ 17,.....	69	0.552
6 „	60	0.425	„ 18,.....	67	0.524
7 „	62	0.432	„ 19,.....	50	0.352
8 „	61	0.425	„ 20,.....	49	0.319
9 „	62	0.429	„ 21,.....	57	0.376
10 „	64	0.440	„ 22,.....	53	0.359
11 „	65	0.439	„ 23,.....	51	0.351
Midt.	65	0.436	„ 24,.....	52	0.299
			„ 25,.....	73	0.382
			„ 26,.....	62	0.370
			„ 27,.....	28	0.161
			„ 28,.....	47	0.267
			„ 29,.....	60	0.366
			„ 30,.....	65	0.412
			... .	...	...
Mean, ...	61	0.424	Mean,.....	60	0.424

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1885.														
Nov. 1,	...	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	8.9
„ 2,	...	0.2	0.6	0.1	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	7.8
„ 3,	...	0.2	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.9	0.1	...	...	8.1
„ 4,	...	...	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	8.0
„ 5,	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	10.0
„ 6,	...	0.4	0.4	0.3	0.9	1.0	1.0	1.0	1.0	0.7	1.0	...	...	7.7
„ 7,	...	0.4	1.0	1.0	1.0	0.8	0.2	0.1	0.7	0.3	0.2	...	...	5.7
„ 8,	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.2
„ 9,	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	10.0
„ 10,	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.8
„ 11,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.2	0.1	...	...	7.3
„ 12,	...	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.1
„ 13,	...	0.8	0.9	...	...	0.1	0.1	...	...	...	...	...	...	1.9
„ 14,	...	0.9	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.5	...	10.3
„ 15,	...	0.2	0.6	0.7	1.0	0.9	1.0	1.0	0.9	0.1	0.9	0.5	...	7.8
„ 16,	...	0.6	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.9
„ 17,	...	0.5	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.3
„ 18,	...	0.5	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0.3	...	...	7.7
„ 19,	...	...	...	...	0.8	1.0	0.9	0.7	0.1	1.0	0.9	0.1	...	5.5
„ 20,	...	...	...	...	0.5	0.8	0.5	0.2	0.1	...	0.8	0.3	...	3.2
„ 21,	...	...	...	...	0.6	0.2	0.4	0.2	0.3	0.9	0.4	...	...	3.0
„ 22,	...	0.3	0.4	0.8	0.2	0.6	0.1	...	...	...	...	...	...	2.4
„ 23,	...	0.1	...	0.2	0.4	0.8	1.0	1.0	0.4	0.3	0.4	...	...	4.6
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 26,	...	...	...	...	0.6	1.0	1.0	0.9	1.0	0.6	...	...	...	5.1
„ 27,	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	10.2
„ 28,	...	0.5	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	9.5
„ 29,	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	10.1
„ 30,	...	...	...	0.2	0.1	0.2	0.2	0.3	0.8	1.0	1.0	0.4	...	4.2
... ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	0.0	10.2	16.9	19.0	22.6	24.3	23.4	22.3	21.8	20.2	20.1	6.5	0.0	207.3
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF NOVEMBER, 1885.

Dates.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.
Nov. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·005
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	0·400	0·080	0·035	0·010	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·535
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 10,	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	0·020	...	0·030
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	0·015	0·005	0·010	0·110	0·035	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·180
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·015	0·405	0·090	0·145	0·045	0·020	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	0·020	0·005	0·760

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND, FOR THE MONTH OF NOVEMBER, 1885.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Sums.	Means.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
Nov. 1	7	17	7	16	7	21	6	16	7	17	7	16	6	18	7	18	7	15	8	20	8	17	8	18	9	18	9	19	8	18	8	19	8	18	8	16	8	10	8	10	8	10	6	8	2	8	2	357	14.9
" 2	8	2	8	3	8	2	...	1	8	2	...	1	8	3	8	3	8	2	7	8	23	9	21	16	22	16	23	11	23	15	24	15	25	14	25	11	25	7	25	5	25	2	25	6	25	3	25	2	168	7.0
" 3	25	2	...	1	...	1	18	6	5	8	5	5	7	17	7	17	7	20	7	19	8	23	8	17	8	19	8	25	9	19	9	18	8	15	8	13	7	11	7	10	7	10	7	7	7	7	7	300	12.5
" 4	7	6	2	7	3	9	1	12	32	16	2	29	2	29	2	28	1	30	2	25	2	24	2	28	1	23	1	24	1	19	1	12	1	15	1	14	1	14	32	23	1	28	1	25	1	26	1	29	495	20.6
" 5	32	14	1	12	1	14	1	14	32	12	32	2	2	18	1	12	3	10	4	20	5	24	7	22	7	21	7	19	8	22	7	20	7	15	5	10	4	7	5	10	5	8	4	10	5	12	6	18	341	14.2
" 6	5	18	4	17	4	20	4	21	4	17	4	18	4	21	4	17	5	18	8	16	9	13	10	13	10	13	10	18	9	20	9	15	11	12	11	7	11	5	11	6	6	6	6	7	5	10	5	9	337	14.0
" 7	4	12	3	16	4	16	4	14	5	10	4	6	2	9	2	4	7	5	2	6	7	8	32	7	29	5	26	6	20	3	19	2	19	2	19	2	18	4	18	5	13	2	13	3	13	3	23	5	155	6.5
" 8	25	4	26	3	25	2	25	2	25	4	25	2	...	0	25	4	25	8	25	6	24	10	25	10	25	13	25	10	24	9	24	9	25	7	23	3	25	2	25	4	...	0	...	1	...	1		1	111	4.6
" 9	25	2	...	1	25	3	25	3	25	2	...	1	25	2	25	2	25	1	25	3	25	8	24	10	25	9	25	6	16	8	16	10	16	6	18	7	18	7	18	3	18	3	18	4	18	3	18	2	110	4.6
" 10	18	2	18	2	...	1	...	1	18	4	12	6	12	7	10	9	8	11	8	14	7	26	9	22	9	20	10	20	10	17	11	15	11	12	11	9	11	11	2	11	4	11	3	11	6	11	9	220	9.2
" 11	5	12	4	14	6	12	6	12	4	13	6	12	7	9	7	14	8	19	10	15	10	20	9	24	9	23	8	22	9	19	9	18	8	18	7	12	6	14	2	27	2	26	2	23	2	19	32	11	408	17.0
" 12	1	9	1	7	1	9	32	14	32	14	32	20	1	18	32	24	1	26	1	21	2	20	1	13	32	16	32	15	32	17	2	15	1	17	1	22	1	13	1	19	1	18	1	17	32	15	32	10	386	16.1
" 13	1	14	1	7	2	14	2	13	2	16	1	19	1	21	1	16	1	11	5	9	6	13	6	13	6	7	2	4	2	6	1	11	1	9	1	6	1	8	1	10	1	8	8	5	5	6	3	8	264	11.0
" 14	2	10	1	13	2	11	2	10	1	6	1	12	1	6	1	6	32	7	10	5	8	17	9	19	11	14	11	15	10	18	8	18	9	17	9	14	7	11	7	10	6	16	6	23	7	26	7	24	328	13.7
" 15	5	23	5	21	5	22	5	21	5	18	4	15	4	21	3	18	7	16	7	16	7	21	8	19	7	19	8	20	8	18	8	17	8	18	7	16	7	21	7	22	7	22	5	18	5	17	5	15	455	19.0
" 16	6	12	7	13	5	18	6	14	5	14	5	15	5	11	7	16	7	20	7	21	7	23	9	19	8	20	9	24	9	23	10	18	8	15	8	9	9	8	10	10	11	13	10	9	8	11	8	10	364	15.2
" 17	6	14	6	18	7	19	6	16	6	17	6	17	6	14	6	19	6	20	6	24	7	20	7	17	10	17	10	18	9	14	10	18	8	18	7	12	9	9	9	9	9	8	9	9	9	9	5	9	4	309	13.0
" 18	8	9	8	8	8	4	...	1	7	4	8	9	5	5	6	10	6	6	7	7	10	5	22	7	23	8	8	12	8	16	8	9	8	12	9	15	7	11	7	7	4	7	5	6	6	5	1	10	193	8.0
" 19	32	11	1	15	1	8	1	13	2	14	1	15	32	14	1	19	1	19	1	22	32	23	32	16	1	10	1	12	7	10	1	13	1	15	1	24	1	22	32	22	1	20	1	16	1	11	32	14	378	15.7
" 20	1	20	1	14	1	8	1	13	1	10	32	17	2	8	1	11	1	10	3	8	5	14	7	13	7	14	9	18	9	16	8	13	9	13	7	14	7	8	7	9	6	10	6	10	6	11	6	13	297	12.4
" 21	7	16	5	15	4	13	4	11	5	11	5	12	6	12	5	13	4	12	7	14	7	15	9	14	9	12	6	9	7	13	5	11	2	12	5	9	3	8	2	9	4	18	4	13	7	20	6	18	305	12.7
" 22	7	19	5	19	5	14	5	13	4	12	4	12	5	13	5	15	6	16	5	15	4	12	7	15	8	12	8	8	8	13	8	8	7	6	4	2	4	4	6	3	9	4	...	1	5	4	...	1	241	10.0
" 23	...	0	3	2	...	0	...	1	2	5	32	7	32	3	32	4	1	8	1	5	16	5	23	8	27	10	29	16	31	15	32	12	32	11	32	16	32	12	30	10	2	16	2	20	2	13	3	10	209	8.7
" 24	1	15	1	19	32	8	32	19	1	13	1	23	1	22	1	15	32	26	32	23	32	20	32	14	32	17	32	14	32	18	32	17	32	20	1	22	32	26	32	20	1	20	1	11	1	10	2	8	411	17.1
" 25	1	8	32	11	32	9	32	19	32	5	32	15	1	12	...	1	...	0	3	4	2	7	6	10	7	9	8	10	7	9	8	13	6	2	...	0	...	0	...	1	4	3	3	7	4	9	145	6.0
" 26	3	15	5	14	5	13	4	14	4	11	4	9	4	12	4	15	6	16	8	20	9	18	9	15	9	14	9	20	10	20	9	16	9	12	9	9	9	10	8	10	6	10	6	6	2	6	1	20	311	13.0
" 27	1	29	1	23	28	8	32	17	7	6	1	13	1	14	32	15	32	24	1	19	32	7	16	6	24	6	7	9	9	9	1	6	1	10	1	10	2	10	2	5	2	6	3	12	2	11	2	4	278	11.6
" 28	...	1	...	0	...	1	2	2	2	6	1	12	1	6	...	1	6	5	8	16	9	15	10	15	10	17	10	13	10	17	8	17	9	11	10	9	10	6	10	2	2	1	...	1	...	1	...	0	175	7.3
" 29	...	1	...	0	...	1	...	0	9	5	8	9	7	2	7	4	9	9	8	15	8	20	9	20	10	20	9	20	9	19	9	22	8	18	7	12	7	11	7	13	7	14	6	12	7	12	7	13	272	11.3
" 30	8	13	6	15	6	15	6	15	7	17	7	22	7	23	7	24	7	23	8	25	8	28	7	22	7	19	7	20	7	19	8	18	8	21	8	18	7	15	7	13	7	14	7	9	7	12	7	15	435	18.1
Sums	...	330	...	336	...	291	...	309	...	310	...	373	...	362	...	374	...	412	...	444	...	475	...	466	...	439	...	454	...	465	...	416	...	394	...	345	...	299	...	303	...	320	...	294	...	294	...	303	8808	367.0
Hourly Means	...	11.0	...	11.2	...	9.7	...	10.3	...	10.3	...	12.4	...	12.1	...	12.5	...	13.7	...	14.8	...	15.8	...	15.5	...	14.6	...	15.1	...	15.5	...	13.9	...	13.1	...	11.5	...	10.0	...	10.1	...	10.7	...	9.8	...	9.8	...	10.1	293.6	12.2

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR NOVEMBER, 1885.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	6.5	5.5	0.1	0.3	+ 6.4	+ 5.2	E 51° N
2 ,,	7.7	5.1	0.1	0.1	7.6	5.0	E 57° N
3 ,,	5.9	5.4	0.0	0.4	5.9	5.0	E 50° N
4 ,,	7.2	4.6	0.1	0.2	7.1	4.3	E 39° N
5 ,,	6.6	5.3	0.1	0.3	6.5	5.1	E 52° N
6 ,,	8.5	5.3	0.1	0.1	8.4	5.2	E 58° N
7 ,,	8.1	5.8	0.2	0.0	8.0	5.8	E 54° N
8 ,,	7.1	6.5	0.1	0.2	7.0	6.3	E 48° N
9 ,,	7.1	7.3	0.0	0.2	7.1	7.1	E 45° N
10 ,,	5.7	9.7	0.2	0.6	5.4	9.1	E 31° N
11 ,,	4.4	11.3	0.5	0.9	4.0	10.4	E 21° N
Noon.	2.7	11.1	0.9	1.5	1.8	9.6	E 11° N
1 p.	2.6	9.8	1.5	1.8	1.2	8.0	E 9° N
2 ,,	2.8	10.6	1.2	1.5	1.7	9.1	E 11° N
3 ,,	2.5	11.5	1.2	0.9	1.3	10.7	E 7° N
4 ,,	3.0	9.5	1.1	0.8	1.9	8.7	E 12° N
5 ,,	3.6	8.4	0.8	0.7	2.8	7.7	E 20° N
6 ,,	4.3	6.5	0.8	0.5	3.5	6.0	E 30° N
7 ,,	4.1	5.6	0.7	0.4	3.4	5.2	E 33° N
8 ,,	4.8	5.1	0.6	0.4	4.2	4.7	E 42° N
9 ,,	5.5	5.5	0.6	0.3	4.9	5.2	E 43° N
10 ,,	5.6	5.2	0.4	0.2	5.2	4.9	E 47° N
11 ,,	4.8	5.8	0.3	0.1	4.6	5.7	E 39° N
Midt.	5.3	5.5	0.3	0.3	+ 5.0	+ 5.2	E 44° N
Mean,	5.3	7.2	0.5	0.5	+ 4.8	+ 6.6	E 36° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AT VICTORIA PEAK, AND SEA DISTURBANCE.

DATE.	4 a.			10 a.			4 p.			10 p.		
	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.
1885.												
Nov. 1,	...	...	3	E	5	3	N	4	2	E	3	2
,, 2,	...	...	1	N	3	2	NE	3	0	N	1	0
,, 3,	...	...	1	E	4	2	E	4	2	E	4	2
,, 4,	...	...	2	N	7	3	NE	6	3	NE	5	3
,, 5,	...	...	2	E	5	4	E	5	3	E	4	4
,, 6,	...	...	4	E	4	4	E	4	3	E	3	2
,, 7,	...	...	3	E	2	2	E	3	1	E	3	0
,, 8,	...	...	0	E	2	1	NE	2	0	NE	3	0
,, 9,	...	...	0	N	3	0	N	3	1	SE	3	1
,, 10,	...	...	0	E	4	3	E	5	2	SE	4	2
,, 11,	...	...	2	E	4	2	E	4	3	E	4	3
,, 12,	...	...	2	NNE	5	2	NE	5	3	NE	5	3
,, 13,	...	...	4	ENE	5	2	NE	4	2	NE	4	2
,, 14,	...	...	2	E	5	3	E	4	2	E	4	3
,, 15,	...	...	4	E	5	4	E	5	4	E	5	4
,, 16,	...	...	5	E	5	5	E	4	3	E	4	3
,, 17,	...	...	4	E	5	4	E	4	2	E	4	1
,, 18,	...	...	2	E	4	1	NE	3	2	NE	4	2
,, 19,	...	...	2	NE	5	2	NE	4	2	NE	4	2
,, 20,	...	...	2	ENE	4	2	E	4	2	NE	4	3
,, 21,	...	...	3	E	5	3	ENE	4	2	ENE	4	3
,, 22,	...	...	3	E	5	3	E	4	2	E	3	1
,, 23,	...	...	2	NE	3	2	N	5	2	N	4	3
,, 24,	...	...	2	NE	4	2	N	5	2	N	5	2
,, 25,	...	...	2	ENE	4	1	E	4	2	E	4	3
,, 26,	...	...	2	E	5	2	E	4	1	ENE	4	2
,, 27,	...	...	2	NNE	5	2	ENE	3	1	ENE	4	3
,, 28,	...	...	1	E	4	2	E	2	1	E	3	1
,, 29,	...	...	1	E	4	2	E	3	2	E	5	2
,, 30,	...	...	3	E	5	3	E	4	3	E	4	3
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean,	...	...	2.1	E 18° N	4.3	2.4	E 25° N	3.9	2.0	E 20° N	3.9	2

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1885.	ins.	ins.	ins.	°	°	°	°	°	°	°
Nov. 1,	28.234	28.156	28.181	67.8	69.8	68.8	134.0	72.9	66.0	63.5
" 2,	.190	.115	.118	69.0	72.8	70.8	150.0	74.3	67.0	65.5
" 3,	.190	.108	.128	70.8	71.2	69.4	124.0	72.5	67.0	65.5
" 4,	.272	.217	.262	64.8	66.8	61.6	128.0	69.4	57.1	59.5
" 5,	.313	.242	.279	60.4	62.0	59.8	123.0	64.3	53.0	51.5
" 6,	.324	.256	.249	61.8	63.8	61.2	130.0	63.9	59.8	55.5
" 7,	.275	.171	.200	63.8	65.8	62.4	136.0	66.1	61.0	58.5
" 8,	.145	.048	.115	67.8	68.8	64.8	131.0	71.1	62.0	57.5
" 9,	.186	.115	.156	66.8	70.4	66.8	131.8	70.9	64.8	59.5
" 10,	.218	.159	.223	67.8	69.0	65.8	129.8	71.3	65.8	61.5
" 11,	.274	.242	.298	67.8	68.2	66.8	124.0	70.3	65.0	65.5
" 12,	.431	.406	.439	60.2	61.8	55.4	118.0	66.8	54.0	50.5
" 13,	.479	.414	.415	56.9	58.2	57.4	111.2	61.1	53.0	52.5
" 14,	.446	.359	.383	57.8	61.8	60.2	126.0	61.8	54.0	54.5
" 15,	.417	.347	.357	61.4	63.6	61.6	129.0	63.6	60.0	55.5
" 16,	.383	.316	.344	64.6	64.8	63.8	126.4	64.9	61.4	59.5
" 17,	.363	.274	.301	65.0	66.9	63.8	128.0	66.9	63.0	59.5
" 18,	.333	.252	.290	65.2	66.6	62.8	129.0	68.2	62.0	58.9
" 19,	.368	.288	.328	62.8	64.8	60.2	129.0	65.4	57.0	53.5
" 20,	.396	.330	.361	60.8	62.4	59.6	130.0	63.1	58.2	54.5
" 21,	.393	.340	.357	61.2	62.6	59.6	130.0	63.9	58.2	59.5
" 22,	.377	.295	.313	61.8	62.8	61.8	122.0	62.8	59.0	55.5
" 23,	.333	.258	.256	61.6	63.8	61.6	133.0	64.8	57.4	55.5
" 24,	.340	.299	.269	58.4	59.0	56.8	123.0	62.7	56.8	58.5
" 25,	.349	.284	.349	55.8	57.4	56.4	91.6	57.4	54.0	55.5
" 26,	.391	.340	.381	58.8	56.8	55.8	126.8	58.8	53.2	47.5
" 27,	.408	.366	.398	54.8	58.0	55.0	118.0	58.0	52.2	48.5
" 28,	.411	.338	.409	56.2	58.8	56.2	119.0	58.8	54.4	45.5
" 29,	.118	.360	.357	58.0	59.8	57.4	123.0	59.8	56.0	44.7
" 30,	.397	.318	.301	58.8	60.0	58.8	120.0	61.9	53.0	51.5
.....	...	...	...	...	...	...	...	...	...	...
Mean,	28.335	28.267	28.294	62.3	63.9	61.4	125.2	65.3	59.0	56.2

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND AT VICTORIA PEAK.

Date. 1885.	Relative Humidity.						Tension of Aqueous Vapour.					
	Observatory.			Victoria Peak.			Observatory.			Victoria Peak.		
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.
Nov. 1,	76	80	89	95	98	90	0.665	0.689	0.728	0.643	0.719	0.630
" 2,	73	77	85	93	90	85	.677	.707	.697	.663	.726	.641
" 3,	79	83	86	92	93	96	.714	.731	.740	.691	.709	.694
" 4,	40	23	24	65	56	34	.305	.203	.149	.102	.366	.185
" 5,	32	46	58	61	71	69	.211	.320	.385	.326	.396	.356
" 6,	53	53	58	78	84	91	.380	.385	.407	.434	.494	.496
" 7,	47	46	55	85	71	91	.408	.387	.404	.506	.451	.511
" 8,	45	56	65	60	80	86	.398	.498	.489	.407	.561	.532
" 9,	71	65	80	87	82	86	.595	.603	.618	.573	.610	.566
" 10,	77	72	81	95	88	89	.659	.603	.619	.643	.627	.565
" 11,	65	74	69	90	87	90	.560	.599	.420	.608	.603	.586
" 12,	49	46	53	74	70	61	.272	.274	.250	.389	.387	.262
" 13,	47	48	47	73	79	72	.256	.293	.277	.339	.386	.341
" 14,	44	59	72	82	89	91	.308	.416	.513	.391	.487	.478
" 15,	56	65	73	86	84	91	.447	.503	.530	.468	.496	.503
" 16,	64	68	84	84	89	84	.494	.519	.593	.516	.545	.494
" 17,	60	68	80	89	83	94	.514	.567	.604	.555	.551	.558
" 18,	60	67	69	89	84	94	.510	.556	.513	.559	.555	.538
" 19,	51	45	45	77	74	75	.365	.349	.284	.442	.450	.389
" 20,	41	54	61	83	75	88	.280	.365	.406	.440	.421	.455
" 21,	54	49	56	80	78	66	.370	.356	.361	.435	.448	.342
" 22,	58	48	54	78	73	83	.408	.361	.356	.428	.415	.457
" 23,	44	51	60	74	68	73	.330	.390	.368	.407	.403	.401
" 24,	51	44	54	73	65	67	.301	.270	.290	.355	.322	.311
" 25,	76	69	72	83	86	81	.389	.400	.405	.372	.407	.370
" 26,	63	59	68	82	82	88	.381	.375	.400	.407	.376	.388
" 27,	26	27	32	58	75	63	.153	.180	.181	.244	.361	.277
" 28,	37	47	65	73	77	91	.220	.292	.343	.330	.379	.411
" 29,	49	57	72	76	77	78	.313	.364	.447	.372	.395	.368
" 30,	60	64	68	82	83	82	.390	.422	.420	.407	.426	.407
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean,	55	57	64	80	80	81	0.409	0.433	0.440	0.458	0.482	0.450

TABLE XII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1885.												
Nov. 1, ...	2	c-cum. / cum.	WSW / E	7	cum.	E	9	cum-str.	E	2	c-str. / cum.	E / W
„ 2, ...	1	str.	...	2	str.	...	4	sm-cum.	W	4	sm-cum.	W
„ 3, ...	8	cum.	E	7	cum-nim.	E	8	sm-cum. / cum-nim.	WSW / E	2	sm-cum. / R-cum.	E
„ 4, ...	7	cum.	W	10	nim.	...	10	str.	...	0	...	...
„ 5, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 6, ...	1	cum.	...	0	...	...	7	sm-cum.	W	7	sm-cum.	W
„ 7, ...	10	cum. / cum.	E	7	R-cum.	E	6	sm-cum.	W	7	sm-cum.	W
„ 8, ...	1	cum.	SW	5	cum.	SW	7	c-str.	W	1	c-str.	W
„ 9, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 10, ...	3	cum.	SW	3	cum.	...	1	sm-cum. / cum.	W / SW	3	R-cum.	E
„ 11, ...	0	...	...	1	cum.	E	1	cum.	E	0	...	...
„ 12, ...	5	cum.	NE	10	R-cum.	NE	10	str.	...	2	R-cum.	NNE
„ 13, ...	10	cum.	...	4	cum.	...	0	...	...	8	R-cum.	E
„ 14, ...	10	cum.	...	4	cum.	...	0	...	...	0	...	...
„ 15, ...	6	cum.	ENE	4	cum.	E	2	c-cum.	W	9	sm-cum. / R-cum.	ESE / NE
„ 16, ...	1	cum.	ENE	2	cum.	E	0	...	...	1	cum.	ENE
„ 17, ...	3	cum.	NE	3	cum.	NE	3	cum.	NE	1	c-str. / cum.	ENE
„ 18, ...	5	c-str.	...	7	cum.	WSW	9	sm-cum.	WSW	6	sm-cum.	WSW
„ 19, ...	10	cum.	ENE	8	cum.	E	10	str.	...	6	sm-cum. / cum.	W / E
„ 20, ...	10	sm-cum.	WSW	10	sm-cum.	WSW	10	str.	...	7	sm-cum.	WSW
„ 21, ...	10	sm-cum.	W	9	sm-cum.	W	10	str.	...	9	sm-cum.	W
„ 22, ...	10	cum.	W	10	cum.	W	10	sm-cum.	W	9	sm-cum.	W
„ 23, ...	8	sm-cum.	SSW	8	cum.	SW	10	sm-cum.	SW	9	sm-cum.	W
„ 24, ...	10	cum.	W	10	cum-nim.	...	10	str. / cum-nim.	NE	10	str. / cum-nim.	ENE
„ 25, ...	10	nim.	...	10	nim.	NE	10	nim.	...	10	str. / cum-nim.	NE
„ 26, ...	10	cum.	NE	10	R-cum.	NE	9	R-cum.	NE	3	sm-cum. / cum.	W / ENE
„ 27, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 28, ...	0	...	...	4	cum.	...	7	sm-cum.	W	1	sm-cum.	W
„ 29, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 30, ...	3	cum.	ESE	7	cum.	ESE	10	sm-cum. / cum.	W / E	10	sm-cum. / cum.	W / S
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	5.1	...	...	5.4	...	...	5.8	...	...	4.2	...	...

TABLE XII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Daily and Monthly Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1885.													
Nov. 1,.....	3	sm-cum. / cum.	NNW / W	1	sm-cum.	W	0	...	...	0	...	...	3.0
„ 2,.....	1	cum.	NNE	1	sm-cum.	WSW	0	...	...	9	cum.	SE	2.7
„ 3,.....	3	sm-cum. / R-cum.	SW / SW	6	c-str. / R-cum.	W / SW	0	...	...	0	...	...	4.3
„ 4,.....	7	c-str.	W	0	...	...	0	...	...	0	...	...	4.2
„ 5,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 6,.....	6	sm-cum.	W	3	sm-cum.	W	3	cum.	W	10	cum.	W	4.6
„ 7,.....	10	cum-str.	SW	9	sm-cum. / cum-str.	WSW /	10	cum.	WSW	9	cum.	WSW	8.5
„ 8,.....	1	c-str.	...	1	c-str.	...	0	...	...	0	...	...	2.0
„ 9,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 10,.....	2	R-cum.	E	0	...	...	0	...	...	0	...	...	1.5
„ 11,.....	2	cum.	N	8	R-cum.	N	10	cum.	NNE	10	nim.	NE	4.0
„ 12,.....	1	sm-cum.	NNE	0	...	...	0	...	...	0	...	...	3.5
„ 13,.....	10	R-cum.	E	10	R-cum.	ENE	1	cum.	...	10	cum.	...	6.6
„ 14,.....	0	...	...	0	...	...	0	...	...	9	cum.	E	2.9
„ 15,.....	7	cum. / R-cum.	E / NE	1	R-cum.	NNE	1	cum.	NE	1	cum.	NE	3.9
„ 16,.....	0	...	...	0	...	...	0	...	...	1	cum.	E	0.6
„ 17,.....	4	c-str. / cum.	NW / ENE	2	c-str. / c-cum.	SW	1	c-str.	...	6	c-str. / sm-cum.	WSW	2.9
„ 18,.....	2	sm-cum. / cum.	WSW / E	7	c-cum. / sm-cum. / cum.	SW / WSW / ENE	7	c-cum. / cum.	SW / E	7	c-cum. / cum.	WSW / E	6.3
„ 19,.....	5	c-cum. / sm-cum.	WSW / WSW	3	sm-cum.	W	8	c-str. / sm-cum.	W	9	c-str. / sm-cum.	W	7.4
„ 20,.....	9	sm-cum.	W	4	c-cum. / sm-cum.	W / W	8	sm-cum.	W	10	sm-cum.	W	8.5
„ 21,.....	9	sm-cum. / cum.	W / WSW	9	sm-cum.	W	8	sm-cum.	W	10	sm-cum.	WSW	9.2
„ 22,.....	10	sm-cum. / cum.	W / SW	10	sm-cum. / R-cum.	W /	8	cum.	SSW	6	cum.	SSW	9.1
„ 23,.....	1	sm-cum.	W	9	sm-cum. / cum.	W / NNE	10	cum.	W	10	cum.	W	8.1
„ 24,.....	10	str.	...	10	str.	...	10	str.	...	10	str.	...	10.0
„ 25,.....	10	str. / cum-nim.	W / E	10	str. / cum-nim.	E	10	cum.	E	10	nim.	ENE	10.0
„ 26,.....	6	sm-cum. / R-cum.	N / NE	9	sm-cum. / R-cum.	W / N	3	sm-cum.	W	0	...	...	6.3
„ 27,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 28,.....	0	...	...	0	...	...	0	...	...	0	...	...	1.5
„ 29,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 30,.....	10	sm-cum.	WNW	0	...	...	0	...	...	0	...	...	5.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	4.3	...	...	3.8	...	...	3.3	...	...	4.6	...	...	4.6

TABLE XIII.

RAINFALL AT DIFFERENT STATIONS.

Date.	Observatory.		Stone Cutters' Island.	Victoria Pea
	Amount.	Duration.	Amount.	Amount.
1885.	ins.	hrs.	ins.	ins.
Nov. 1,	...	...	...	...
„ 2,	0.005	1	...	...
„ 3,	0.535	4	0.36	1.20
„ 4,	...	...	...	...
„ 5,	...	...	...	...
„ 6,	...	...	...	...
„ 7,	...	...	...	...
„ 8,	0.005	...	...	...
„ 9,	0.005	...	...	...
„ 10,	...	...	...	0.12
„ 11,	0.030	2	...	...
„ 12,	...	...	...	...
„ 13,	...	...	...	...
„ 14,	...	...	...	...
„ 15,	...	...	...	...
„ 16,	...	...	...	...
„ 17,	...	...	...	...
„ 18,	...	...	...	...
„ 19,	...	...	...	...
„ 20,	...	...	...	...
„ 21,	...	...	...	...
„ 22,	...	...	...	...
„ 23,	...	...	...	...
„ 24,	0.180	5	0.09	0.30
„ 25,	...	...	...	...
„ 26,	...	...	...	...
„ 27,	...	...	...	...
„ 28,	...	...	...	...
„ 29,	...	...	...	...
„ 30,	...	...	...	...
.....	...	...	...	...
Total,	0.760	12	0.45	1.62

W. Doberck,
Government Astronome

Hongkong Observatory, 18th January, 1886.

HONGKONG OBSERVATORY.

Weather Report for December, 1885.

In the *China Coast Meteorological Register*, based on information transmitted by the Great Northern and the Eastern Extension Telegraph Companies, which was daily published, is given a summary of the atmospheric circumstances in Luzon and along the Coast of China. It also contains information concerning the weather in Nagasaki and Wladivostock.

Unusual visibility was noted on the 12th, the 13th and the 26th.

Dew fell in the evening on the 10th, the 16th, the 17th, the 23rd and the 31st.

Fog set in on the evening of the 10th and lasted till 10 a next morning. It occurred also in the morning and evening on the 23rd, and in the morning on the 24th.

A solar corona was noted on the 13th.

Lunar halos were noted on the 13th and the 14th.

The Total Distance travelled by, as well as the Duration and average Velocity of Winds from different quarters were as follows:—

Direction.	*Total Distance.* Miles.	*Duration.* Hours.	*Velocity.* Miles per hour.
N	1396	117	11.9
NE	1639	113	14.5
E	6796	408	16.7
SE	293	37	7.9
S	8	3	2.7
SW	87	7	12.4
W	126	14	9.0
NW	54	8	6.7
Calm	20	37	0.5

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF DECEMBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Dec. 1, ...	30.107	30.094	30.081	30.079	30.098	30.103	30.107	30.123	30.134	30.132	30.111	30.079	30.036	30.015	29.996	29.998	30.013	30.027	30.050	30.069	30.069	30.076	30.068	30.060	30.072
„ 2, ...	.054	.049	.038	.043	.038	.059	.070	.082	.104	.110	.097	.065	.036	.022	30.013	30.013	.032	.060	.083	.107	.111	.115	.107	.108	.067
„ 3, ...	.108	.104	.089	.082	.091	.110	.126	.136	.145	.149	.130	.099	.054	.032	.027	.037	.043	.063	.085	.110	.122	.122	.114	.106	.095
„ 4, ...	.088	.071	.062	.062	.071	.082	.109	.117	.124	.126	.115	.081	.052	.030	.018	.019	.030	.043	.064	.081	.091	.090	.084	.082	.075
„ 5, ...	.069	.069	.042	.045	.047	.079	.090	.113	.129	.121	.102	.074	.045	.022	.011	.012	.017	.019	.040	.061	.067	.078	.078	.079	.062
„ 6, ...	.069	.063	.050	.044	.060	.081	.098	.118	.135	.135	.126	.098	.063	.044	.033	.032	.042	.058	.075	.095	.096	.091	.088	.081	.078
„ 7, ...	.080	.065	.045	.034	.041	.048	.063	.069	.080	.079	.058	.030	.000	29.982	29.968	29.984	.009	.028	.043	.056	.058	.060	.056	.047	30.041
„ 8, ...	.028	.007	.001	29.996	29.996	.011	.031	.049	.055	.056	.030	29.996	29.964	.947	.945	.946	29.956	29.958	29.984	.003	.009	.005	.012	29.998	29.999
„ 9, ...	.007	29.992	29.990	.973	.971	29.993	.013	.024	.043	.043	.027	.995	.964	.949	.945	.935	.949	.949	.959	29.968	29.979	29.981	29.969	.956	.982
„ 10, ...	29.945	.937	.920	.907	.915	.933	29.948	29.962	29.976	29.977	29.962	.931	.890	.877	.873	.864	.866	.880	.899	.911	.920	.918	.918	.909	.918
„ 11, ...	.909	.905	.905	.905	.915	.931	.956	.975	.995	.992	.978	.949	.939	.940	.947	.958	.978	30.009	30.036	30.061	30.082	30.093	30.104	30.106	29.982
„ 12, ...	30.107	30.119	30.126	30.133	30.142	30.159	30.182	30.210	30.225	30.218	30.201	30.174	30.140	30.130	30.123	30.126	30.144	.162	.187	.210	.217	.215	.204	.209	30.169
„ 13, ...	.200	.188	.171	.166	.159	.157	.182	.194	.205	.195	.178	.142	.111	.083	.070	.066	.077	.085	.088	.102	.116	.121	.113	.100	.136
„ 14, ...	.079	.068	.057	.049	.045	.053	.059	.081	.097	.096	.073	.039	.004	29.981	29.973	29.977	29.986	29.996	.013	.026	.043	.050	.047	.048	.039
„ 15, ...	.047	.034	.030	.037	.041	.056	.068	.087	.102	.098	.076	.035	29.992	.969	.958	.957	.965	.977	29.994	.002	.013	.017	.013	.008	.024
„ 16, ...	.005	.000	.000	.005	.016	.034	.053	.080	.089	.081	.056	.023	.988	.972	.962	.968	.974	.990	30.002	.022	.029	.029	.032	.016	.018
„ 17, ...	.011	29.999	29.996	29.996	29.998	.011	.034	.053	.081	.081	.075	.061	30.029	30.004	.987	.991	30.008	30.023	.040	.055	.066	.069	.076	.068	.034
„ 18, ...	.071	30.065	30.059	30.065	30.075	.097	.116	.150	.165	.165	.144	.114	.063	.033	30.013	30.027	.040	.050	.061	.067	.079	.078	.082	.082	.082
„ 19, ...	.075	.059	.040	.033	.029	.034	.044	.059	.084	.082	.064	.041	.009	29.977	29.962	29.960	29.958	29.964	29.977	29.988	29.996	.003	29.998	29.975	30.017
„ 20, ...	29.976	29.977	29.954	29.935	29.944	29.949	29.971	29.978	29.992	29.990	29.969	29.933	29.910	.886	.873	.891	.897	.901	.924	.936	.943	29.941	.939	.933	29.939
„ 21, ...	.920	.916	.918	.920	.920	.922	.938	.943	.967	.974	.950	.929	.897	.877	.863	.873	.883	.901	.916	.926	.935	.935	.925	.916	.919
„ 22, ...	.904	.890	.890	.884	.881	.861	.880	.914	.919	.926	.909	.867	.845	.827	.810	.801	.797	.802	.803	.820	.818	.821	.805	.793	.853
„ 23, ...	.799	.799	.795	* .791	* .791	* .797	* .807	* .825	* .841	.848	.831	.810	.780	.768	.757	.767	.772	.781	.790	.802	.805	.810	.816	.818	.800
„ 24, ...	.821	.827	.851	.830	.830	.835	.855	.878	.899	.906	.890	.866	.835	.833	.831	.846	.846	.859	.878	.886	.897	.904	.901	.903	.862
„ 25, ...	.899	.891	.892	.880	.888	.890	.909	.922	.941	.952	.929	.895	.870	.853	.876	.893	.910	.916	.939	.961	.971	.976	.984	.985	29.918
„ 26, ...	.994	.982	.980	.984	.989	30.002	30.017	30.045	30.072	30.077	30.062	30.029	.999	.985	.978	.981	30.005	30.023	30.052	30.069	30.086	30.094	30.084	30.079	30.028
„ 27, ...	30.078	30.084	30.077	30.073	30.073	.074	.082	.098	.114	.121	.113	.077	30.047	30.023	30.023	30.041	.055	.070	.090	.111	.124	.128	.115	.115	.084
„ 28, ...	.121	.126	.117	.116	.128	.147	.162	.194	.219	.219	.204	.177	.145	.129	.124	.128	.145	.153	.166	.184	.181	.191	.190	.189	.161
„ 29, ...	.185	.187	.191	.196	.206	.220	.230	.254	.276	.287	.274	.243	.207	.190	.177	.177	.187	.200	.214	.230	.243	.248	.247	.237	.221
„ 30, ...	.243	.237	.229	.217	.225	.227	.237	.259	.274	.290	.281	.249	.211	.175	.172	.180	.194	.200	.218	.238	.244	.250	.246	.234	.230
„ 31, ...	.233	.223	.209	.210	.202	.216	.229	.250	.274	.278	.266	.234	.185	.168	.149	.148	.156	.162	.173	.187	.203	.201	.202	.201	30.207
Hourly Means, ...	30.040	30.033	30.025	30.022	30.027	30.038	30.054	30.072	30.089	30.090	30.074	30.043	30.010	29.991	29.982	29.987	29.998	30.010	30.027	30.043	30.052	30.055	30.052	30.046	30.036

* Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF DECEMBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Dec. 1,	64.6	64.5	64.7	64.6	64.6	64.6	64.7	65.2	66.6	67.7	68.7	68.9	69.3	68.7	68.4	67.7	66.9	66.4	66.7	67.6	67.5	67.1	67.1	67.0	66.7	69.3	64.8
,, 2,	66.9	67.0	66.9	67.0	67.5	67.5	67.5	69.2	70.2	71.5	70.6	71.0	71.7	71.0	69.9	69.5	68.9	68.0	67.8	67.5	68.0	68.7	67.9	67.4	68.7	71.7	66.7
,, 3,	66.2	66.1	65.9	66.0	65.8	66.6	66.9	68.8	70.4	72.8	74.2	74.2	73.6	72.9	72.4	71.0	70.7	69.0	69.0	68.9	68.8	68.6	68.3	67.2	69.8	74.2	65.7
,, 4,	66.7	66.2	66.1	65.7	65.5	65.5	65.2	65.9	66.9	67.8	68.5	68.0	68.6	67.6	68.7	68.2	67.8	66.7	66.5	66.4	66.5	66.5	66.4	66.6	66.8	68.9	65.1
,, 5,	66.5	66.4	66.0	65.7	65.8	65.4	65.6	66.8	68.3	70.7	69.9	70.6	71.6	70.8	70.7	70.3	70.3	70.2	69.1	69.0	68.7	68.6	68.5	68.8	68.5	71.8	65.2
,, 6,	68.7	68.4	67.8	67.4	67.2	67.1	67.1	67.6	68.1	67.6	66.9	67.5	67.7	67.6	67.4	66.8	66.3	65.2	65.4	65.4	65.2	64.4	64.6	64.3	66.7	68.7	64.1
,, 7,	64.1	63.9	63.6	63.2	62.8	62.8	62.9	64.0	65.4	65.4	66.3	65.8	66.6	65.8	65.6	65.2	65.2	65.1	65.0	65.0	65.2	64.7	64.5	64.3	64.7	66.7	62.5
,, 8,	64.1	63.9	63.6	63.6	63.4	63.6	63.9	65.0	66.1	68.2	68.9	69.0	69.5	68.5	68.5	67.1	66.5	65.6	65.7	65.5	65.6	66.0	66.6	66.0	66.9	69.6	63.2
,, 9,	66.8	67.2	66.5	66.3	65.8	65.8	65.7	65.9	66.0	66.3	66.4	67.8	68.5	69.4	68.6	67.4	67.3	67.0	67.1	67.1	67.8	66.9	66.4	65.6	66.9	70.1	65.6
,, 10,	66.5	66.6	66.5	66.6	66.6	66.5	66.6	67.9	68.4	69.6	70.1	71.4	70.9	70.6	71.7	69.8	69.1	67.8	67.6	67.5	67.4	66.7	66.3	65.6	68.1	71.9	65.4
,, 11,	65.8	65.3	65.1	65.0	65.1	64.7	64.7	65.6	67.0	69.1	70.7	72.3	72.6	70.4	69.7	69.6	68.7	68.7	68.7	64.7	64.7	64.5	63.4	62.1	67.0	72.7	62.1
,, 12,	61.1	59.7	59.0	58.5	57.7	57.1	57.0	57.2	59.2	59.9	61.2	62.0	62.1	62.6	62.5	61.6	60.6	58.6	57.2	56.1	55.2	55.5	52.6	52.3	58.5	62.6	52.2
,, 13,	51.6	51.2	51.1	50.8	51.3	51.4	51.7	53.4	54.7	56.8	58.7	59.5	61.1	61.2	60.1	60.6	59.8	58.9	58.1	57.9	57.6	57.8	57.9	57.1	56.2	61.5	50.8
,, 14,	57.0	56.9	57.0	57.7	57.8	57.9	58.0	59.2	60.9	61.6	62.5	62.7	63.0	63.1	62.7	62.2	62.1	61.9	61.9	62.1	62.1	62.6	62.8	62.9	60.8	63.3	56.7
,, 15,	62.0	62.4	62.0	61.7	61.2	61.0	63.3	64.1	65.1	67.6	69.5	69.7	72.5	72.4	73.0	72.2	69.7	68.1	66.3	65.3	64.0	62.7	62.1	60.8	65.8	73.0	60.8
,, 16,	60.6	60.0	59.9	59.6	58.5	57.5	58.0	58.9	60.9	63.6	63.8	65.1	65.6	65.7	65.4	64.6	62.8	61.3	61.5	60.6	60.2	60.5	60.4	58.6	61.4	66.0	57.4
,, 17,	59.3	59.9	59.7	58.8	59.2	59.5	60.1	60.6	62.2	65.4	66.2	66.9	67.0	66.7	66.6	65.6	64.4	63.2	62.0	61.3	60.4	60.0	59.8	59.6	62.3	67.0	58.6
,, 18,	60.6	60.5	59.9	59.8	59.4	59.5	59.3	60.1	61.1	62.6	63.3	64.6	65.6	65.4	67.6	64.3	63.0	62.6	62.3	61.9	61.8	61.3	60.5	60.8	62.0	67.7	59.1
,, 19,	61.1	61.7	61.8	61.9	61.0	60.8	60.7	62.2	64.0	65.6	65.4	64.5	64.5	64.5	64.1	64.5	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.0	63.4	65.6	60.3
,, 20,	63.8	63.1	62.6	62.0	61.8	61.6	61.6	62.0	62.7	64.2	65.1	64.9	65.5	65.3	64.5	64.5	64.1	63.5	63.7	63.7	64.1	64.2	63.6	63.2	63.6	65.5	61.5
,, 21,	63.0	63.8	63.5	63.3	62.7	63.2	63.5	64.4	65.2	66.6	67.7	67.5	68.4	69.1	67.6	67.0	66.9	66.2	66.1	66.1	66.1	66.1	65.9	65.7	65.7	69.1	62.6
,, 22,	65.5	65.5	65.7	65.1	64.4	63.5	63.9	64.2	64.4	65.1	65.6	66.1	65.5	66.1	65.4	65.2	65.2	65.2	65.1	65.2	64.9	64.9	65.5	65.9	65.1	66.2	63.3
,, 23,	66.5	66.9	67.0	67.6	67.7	67.8	68.0	69.1	70.2	72.4	72.6	74.2	74.5	75.2	75.5	73.4	72.5	70.8	69.6	69.1	68.7	67.6	68.0	67.5	70.1	76.8	66.1
,, 24,	67.4	67.8	67.5	67.3	67.2	67.1	67.1	68.0	68.9	69.2	69.3	69.2	68.7	69.3	68.5	67.8	67.6	67.8	67.9	67.7	67.6	67.8	67.5	67.6	68.0	69.7	67.0
,, 25,	67.4	67.1	66.7	66.4	66.6	66.4	65.9	66.1	66.6	67.0	67.3	66.9	66.5	66.6	64.5	65.7	65.5	65.5	64.8	63.3	63.4	62.5	62.2	61.8	65.5	67.5	61.3
,, 26,	60.1	59.8	59.8	59.6	59.1	58.4	58.5	58.8	58.5	61.5	63.5	64.0	65.0	64.5	65.3	63.0	62.4	60.5	58.5	57.5	56.5	55.2	54.3	53.5	59.9	65.3	53.5
,, 27,	53.2	52.8	51.8	51.4	51.4	51.5	51.5	52.4	54.5	55.8	57.2	58.8	60.1	60.4	61.5	60.5	59.1	58.3	58.2	58.4	57.8	56.8	55.4	54.4	55.9	61.6	51.1
,, 28,	53.5	52.7	52.5	52.0	52.1	51.6	51.6	53.1	55.5	56.9	57.7	58.2	59.1	59.6	59.5	59.0	58.1	57.1	56.9	56.2	55.8	55.6	55.0	54.5	55.6	59.6	51.5
,, 29,	54.8	55.0	55.7	54.9	54.7	54.1	54.1	55.1	56.7	57.4	57.7	57.5	58.5	58.6	57.8	57.7	57.5	56.4	56.3	56.0	57.0	56.8	57.3	57.5	56.5	58.8	53.8
,, 30,	57.8	58.5	57.7	57.4	57.5	57.1	57.1	56.8	57.0	57.5	57.5	58.2	58.5	59.2	59.5	59.0	58.5	58.2	59.0	59.5	59.8	59.8	59.5	59.1	58.8	59.8	56.6
,, 31,	58.4	57.7	57.1	56.1	55.3	55.1	55.3	56.3	57.3	57.8	57.9	59.0	59.5	59.5	60.1	59.5	59.1	58.0	57.9	57.9	57.9	57.9	57.7	57.4	57.7	60.3	54.9
Hourly Means,	62.3	62.2	62.0	61.7	61.5	61.3	61.5	62.4	63.5	64.9	65.5	66.0	66.5	66.4	66.2	65.5	64.8	64.1	63.7	63.4	63.2	62.9	62.7	62.2	63.6	67.2	60.3

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF DECEMBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Sun.	Rad.
Dec. 1	61.2	61.3	61.5	61.5	61.6	61.5	61.3	61.8	62.4	63.4	64.1	64.5	64.1	64.3	64.5	64.7	64.4*	64.2	64.5	64.8	64.7	64.7	64.8	64.9	63.4	129.0	64.6
„ 2	65.0	65.0	64.9	65.0	65.2	65.1	65.0	65.6	66.3	66.6	65.9	66.3	66.0	65.9	65.7	65.7	65.1	64.2	63.9	63.3	62.7	62.6	63.2	64.1	64.9	129.3	63.4
„ 3	63.9	63.7	63.3	63.2	63.3	63.1	64.1	64.5	65.5	66.5	67.1	66.1	66.5	66.8	66.2	65.7	65.1	65.4	66.2	65.7	65.7	65.2	64.5	63.7	65.1	132.2	59.4
„ 4	63.0	62.3	61.9	61.5	61.4	61.3	60.9	61.3	61.5	61.7	62.3	62.3	62.4	62.3	62.5	63.2	63.2	63.0	63.1	63.9	63.8	63.7	63.9	64.1	62.6	126.4	62.8
„ 5	63.7	63.5	63.0	62.8	62.4	62.5	63.1	63.9	64.3	65.3	64.7	64.9	66.1	66.2	66.3	66.3	65.8	65.7	65.7	65.7	65.7	65.7	65.2	64.8	64.7	134.1	62.4
„ 6	64.6	64.5	64.1	64.3	64.2	64.6	64.7	65.0	65.1	64.7	64.4	64.4	64.5	64.5	64.3	64.3	63.9	61.8	61.0	60.0	60.9	61.8	59.5	59.6	63.4	93.7	63.9
„ 7	59.4	59.2	58.7	58.8	58.9	59.2	59.2	60.1	60.8	60.5	60.8	60.5	60.7	60.8	60.4	59.3	59.6	59.8	59.6	59.7	60.1	60.1	60.0	60.3	59.9	124.8	62.0
„ 8	60.1	59.7	60.0	59.9	59.7	60.0	60.0	60.8	60.9	62.2	61.9	61.3	61.5	61.9	62.6	61.7	61.6	60.7	61.1	61.5	62.0	62.5	62.8	63.4	61.2	126.4	58.7
„ 9	63.2	62.3	62.9	62.3	62.1	62.1	62.2	62.3	62.4	62.8	62.9	63.9	64.8	64.7	64.5	64.2	64.2	64.2	64.5	64.9	65.4	65.4	65.1	64.5	63.7	120.5	64.2
„ 10	64.8	64.6	63.9	63.9	64.1	63.4	63.3	63.4	63.9	65.2	65.3	65.7	65.7	66.5	66.6	66.3	66.0	65.5	65.2	65.1	65.3	64.7	64.6	64.4	64.9	140.0	61.9
„ 11	64.8	64.4	64.3	64.1	64.3	63.8	63.5	64.1	65.2	65.0	65.6	66.5	65.3	65.6	65.7	64.9	64.6	64.7	64.7	60.7	58.9	58.2	57.9	*56.3	63.5	132.3	60.7
„ 12	54.6	*53.9	*52.3	*51.7	*51.2	*50.5	*50.3	*50.2	50.5	50.7	51.4	51.6	51.5	51.8	51.5	51.0	*50.1	49.2	*48.1	*47.0	*45.8	44.7	44.0	44.1	49.9	125.0	51.0
„ 13	44.3	44.5	42.6	42.9	42.8	43.2	44.2	44.6	45.5	46.5	48.1	49.0	49.4	49.7	48.2	48.4	49.4	48.5	48.9	48.6	48.7	49.0	48.1	48.0	46.8	120.4	45.8
„ 14	47.5	47.6	48.0	*49.0	*50.0	*51.0	*52.0	*53.0	54.0	55.6	55.9	56.3	56.7	57.7	57.4	56.7	55.9	55.0	55.4	55.7	55.9	56.4	56.8	57.1	54.0	122.7	46.8
„ 15	57.4	57.3	57.2	56.5	56.7	57.3	54.7	55.9	56.8	57.4	57.2	57.3	58.0	57.9	57.6	56.5	55.4	54.7	54.2	53.3	52.3	51.8	51.5	51.0	55.7	129.1	55.6
„ 16	50.4	51.0	50.0	50.0	49.0	48.6	48.5	49.2	50.8	52.6	53.2	54.7	54.3	55.1	54.9	55.2	55.7	55.6	54.7	54.7	55.4	54.7	54.2	54.7	52.8	122.8	48.9
„ 17	50.3	49.2	48.9	48.6	47.9	48.4	49.4	50.9	51.7	52.5	53.9	53.2	53.4	53.2	53.0	53.6	53.0	52.4	54.2	53.7	54.3	53.5	53.3	54.3	51.9	126.7	48.6
„ 18	55.4	55.3	54.5	53.3	53.0	55.1	53.6	54.2	54.7	55.2	55.9	55.5	55.5	55.4	53.0	54.7	54.7	54.6	54.6	55.2	56.0	56.0	55.2	55.2	54.7	122.8	48.7
„ 19	55.6	55.9	56.0	56.4	55.2	54.9	54.9	54.4	55.5	56.5	57.6	57.4	58.2	58.4	59.4	60.4	60.4	60.7	*60.8	60.9	61.0	61.4	61.4	61.2	58.1	121.3	52.4
„ 20	61.1	60.2	59.7	58.6	58.2	58.0	58.0	58.4	59.1	59.8	60.3	60.0	60.6	60.4	60.4	60.6	61.1	61.2	61.7	62.0	62.2	62.4	61.7	60.3	60.3	121.5	61.5
„ 21	61.4	61.4	61.3	61.1	61.0	60.9	60.9	61.0	60.9	61.6	62.4	62.3	61.4	61.5	60.6	61.1	61.3	62.5	63.1	63.2	63.2	63.2	62.7	62.6	61.8	131.1	61.8
„ 22	62.6	62.4	62.3	62.2	62.2	62.1	62.2	62.4	62.4	62.4	62.6	62.8	62.4	62.5	62.2	62.2	62.6	62.9	63.3	63.6	63.8	64.1	64.5	64.8	62.8	103.9	62.1
„ 23	65.4	65.6	65.5	65.9	65.7	65.6	65.3	66.2	66.9	67.4	67.6	67.4	67.6	67.5	68.1	67.4	67.4	67.5	67.3	67.0	66.9	66.8	66.6	66.2	66.7	138.5	61.8
„ 24	66.1	66.5	66.2	66.3	66.0	66.0	66.1	66.8	67.0	67.1	67.4	66.4	66.4	66.7	66.4	65.8	65.9	66.2	66.4	66.0	66.1	66.4	65.8	66.1	66.3	138.8	61.8
„ 25	65.8	65.6	65.4	65.3	65.4	65.2	64.8	65.0	65.3	65.6	65.9	66.1	65.6	66.0	63.8	65.1	64.9	64.9	63.8	60.6	59.9	59.8	58.9	57.6	64.0	85.2	61.2
„ 26	57.6	56.3	55.5	54.2	52.9	52.2	52.7	*53.2	*53.7	54.2	55.1	55.1	55.4	55.4	56.4	56.2	55.2	53.6	52.1	51.6	50.8	49.7	49.0	48.3	53.6	125.8	51.7
„ 27	46.7	45.7	44.6	44.3	43.9	44.1	44.0	44.8	45.2	45.7	46.0	48.3	48.2	47.6	48.0	47.4	46.7	44.8	45.9	45.3	45.5	44.6	44.4	44.8	45.7	121.7	48.8
„ 28	44.3	44.5	43.0	42.6	42.2	41.9	42.4	44.5	45.0	46.4	47.5	47.8	48.2	48.4	47.7	48.2	48.4	47.2	47.1	47.0	47.9	47.5	47.8	47.8	46.1	118.9	43.7
„ 29	47.6	47.6	47.7	47.7	46.6	45.6	46.4	46.3	48.6	49.4	50.5	50.3	50.6	50.8	49.4	49.6	49.2	49.1	49.5	49.1	50.7	51.2	51.3	51.9	49.0	118.4	42.8
„ 30	51.8	52.3	52.7	52.4	52.6	52.7	*52.3	*51.9	*51.4	51.0	51.0	52.4	52.4	52.7	53.4	52.4	52.9	52.9	53.5	53.8	53.6	53.4	53.4	53.1	52.6	114.0	51.9
„ 31	52.9	52.6	52.3	51.4	50.6	50.3	50.4	51.6	52.3	52.5	52.4	53.1	53.1	52.4	52.4	52.9	53.0	52.7	52.9	53.2	53.4	53.5	53.7	53.5	52.5	118.3	52.8
Hourly Means	57.8	57.6	57.2	57.0	56.8	56.7	56.8	57.3	57.9	58.5	58.9	59.1	59.2	59.4	59.1	59.1	58.9	58.6	58.6	58.3	58.3	58.2	58.0	57.9	58.1	123.1	56.2

* Interpolated.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF DECEMBER, 1885.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1885.		
1 a	75	0.432	Dec. 1,.....	82	0.541
2 „	75	0.427	„ 2,.....	81	0.566
3 „	73	0.417	„ 3,.....	79	0.565
4 „	72	0.415	„ 4,.....	78	0.513
5 „	73	0.412	„ 5,.....	81	0.561
6 „	74	0.412	„ 6,.....	82	0.541
7 „	73	0.412	„ 7,.....	74	0.454
8 „	72	0.415	„ 8,.....	74	0.478
9 „	70	0.419	„ 9,.....	83	0.549
10 „	65	0.418	„ 10,.....	84	0.574
11 „	66	0.423	„ 11,.....	81	0.541
Noon.	64	0.422	„ 12,.....	50	0.247
1 p	63	0.418	„ 13,.....	43	0.198
2 „	64	0.426	„ 14,.....	61	0.329
3 „	64	0.419	„ 15,.....	49	0.311
4 „	66	0.429	„ 16,.....	53	0.287
5 „	68	0.432	„ 17,.....	44	0.251
6 „	70	0.432	„ 18,.....	60	0.332
7 „	73	0.438	„ 19,.....	71	0.415
8 „	72	0.432	„ 20,.....	81	0.481
9 „	72	0.434	„ 21,.....	79	0.502
10 „	74	0.436	„ 22,.....	88	0.542
11 „	74	0.432	„ 23,.....	83	0.611
Midt.	76	0.435	„ 24,.....	91	0.625
			„ 25,.....	92	0.578
			„ 26,.....	63	0.329
			„ 27,.....	39	0.174
			„ 28,.....	42	0.188
			„ 29,.....	54	0.250
			„ 30,.....	66	0.323
			„ 31,.....	69	0.328
Mean, ...	70	0.424	Mean,.....	70	0.425

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1885.														
Dec. 1,	...	0.1	1.0	0.7	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	8.9
„ 2,	...	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.1
„ 3,	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.9
„ 4,	...	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	...	7.8
„ 5,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.8	0.1	...	9.3
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 7,	...	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	...	...	8.1
„ 8,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.1	...	9.2
„ 9,	...	...	...	...	...	...	0.3	0.6	0.5	...	...	...	...	1.4
„ 10,	...	0.1	0.8	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.2	...	9.0
„ 11,	...	...	1.0	1.0	1.0	1.0	1.0	0.8	0.9	0.4	...	...	...	7.1
„ 12,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.8
„ 13,	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.7
„ 14,	...	...	1.0	0.9	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	8.7
„ 15,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.8
„ 16,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.9
„ 17,	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.8
„ 18,	...	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	...	8.5
„ 19,	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	...	...	8.0
„ 20,	...	...	...	...	0.8	0.5	0.2	...	...	...	...	...	...	1.5
„ 21,	...	0.1	0.4	0.1	...	1.0	0.3	0.1	...	...	...	...	...	2.0
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 23,	...	0.1	0.9	0.9	0.3	0.6	0.9	1.0	0.8	0.9	0.5	0.3	...	7.2
„ 24,	...	...	0.2	0.7	0.9	0.9	0.8	0.7	0.6	0.6	...	...	...	5.4
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	0.0
„ 26,	...	...	...	0.1	0.9	0.5	0.7	0.3	0.5	0.1	...	...	...	3.1
„ 27,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.9
„ 28,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.9
„ 29,	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.7
„ 30,	...	0.1	1.0	1.0	0.6	...	...	0.5	1.0	1.0	1.0	0.2	...	6.4
„ 31,	...	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.1
Sums,.....	0.0	6.3	21.2	23.4	23.9	24.5	24.1	24.0	24.2	22.6	18.9	5.1	0.0	218.2
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF DECEMBER, 1885.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.
Dec. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	0·110	0·005	0·005	0·130
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·005
„ 11,	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	0·005	...	...	...	0·020
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 25,	...	...	...	...	...	0·015	0·010	...	...	...	0·010	0·010	0·090	0·340	0·350	0·100	0·100	...	...	...	...	...	...	...	1·025
„ 26,	0·040	0·015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·055
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·040	0·015	...	...	...	0·035	0·010	...	...	...	0·010	0·010	0.090	0·340	0·350	0·100	0·100	...	...	0·010	0·015	0·110	0·005	0·010	1·250

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND, FOR THE MONTH OF DECEMBER, 1885.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Sums.	Means.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.		
Dec. 1	7	17	7	15	7	17	7	18	7	17	7	20	8	20	7	20	7	22	7	21	6	20	7	16	8	16	9	23	9	23	9	23	9	20	8	11	8	12	6	13	6	14	6	11	10	10	10	9	408	17.0
" 2	10	7	10	6	10	8	10	7	9	11	8	9	9	9	8	13	8	11	9	15	10	20	10	16	10	16	9	20	10	21	9	18	10	8	10	10	10	9	10	7	10	10	10	10	10	12	10	6	278	11.6
" 3	10	4	...	1	10	3	10	4	10	5	10	9	10	7	10	10	10	8	10	9	8	11	9	8	9	11	9	21	9	20	9	13	9	14	9	16	8	18	7	24	6	22	6	23	6	25	6	29	315	13.1
" 4	6	26	6	30	6	30	6	27	6	29	7	19	7	20	7	18	7	25	7	23	8	25	8	23	8	22	9	22	9	16	9	20	9	16	8	17	8	18	8	11	7	10	7	10	7	12	6	11	472	19.7
" 5	7	12	7	12	7	13	7	12	8	14	9	9	9	9	9	10	9	11	9	11	9	18	9	16	9	16	8	18	8	10	8	8	7	2	7	2	8	11	10	19	8	9	7	7	7	8	7	10	264	11.0
" 6	7	8	6	13	6	18	7	24	7	15	7	10	8	9	7	11	8	14	7	13	5	7	10	12	10	14	7	13	7	13	7	13	7	15	6	14	6	15	6	14	6	16	7	11	5	10	6	15	317	13.2
" 7	5	13	6	14	5	17	5	18	5	15	6	14	5	15	5	16	6	21	7	20	7	19	8	23	9	22	9	27	9	24	8	17	8	14	9	13	8	11	8	11	8	10	8	10	7	11	7	9	389	16.2
" 8	7	13	7	13	6	11	6	9	7	10	7	9	5	6	6	9	7	8	10	14	10	16	10	16	10	21	9	23	8	22	8	19	9	15	7	12	8	9	8	7	8	5	8	8	8	8	6	6	292	12.2
" 9	6	10	6	11	5	15	6	24	7	21	7	21	6	22	6	23	7	22	7	22	7	22	7	22	7	23	7	23	7	21	7	20	7	16	7	17	7	17	7	17	7	13	6	15	7	15	7	16	7	14	445	18.5
" 10	8	11	6	14	7	14	7	15	7	16	7	18	7	19	7	21	6	20	7	17	7	14	8	17	8	20	8	18	9	16	8	20	8	17	8	15	8	9	8	7	8	7	8	2	8	3	8	4	334	13.9
" 11	8	8	...	1	...	0	8	4	8	7	8	2	...	0	...	0	...	0	9	...	0	24	6	24	6	18	7	24	7	22	7	17	7	13	6	14	7	14	32	14	1	14	2	16	1	8	2	15	221	9.2
" 12	32	15	32	20	1	16	2	15	2	16	32	9	1	8	32	11	1	15	32	14	32	11	32	17	31	15	32	16	32	16	1	17	1	15	3	13	2	16	2	15	2	20	1	26	1	29	2	18	383	16.0
" 13	1	12	1	11	1	19	32	16	1	2	1	14	3	7	1	11	1	11	1	7	6	5	10	6	12	8	12	5	12	2	9	4	10	10	8	4	13	2	...	1	...	1	...	0	...	1	14	2	179	7.5
" 14	14	8	...	0	...	1	12	3	7	8	6	10	6	7	8	11	8	16	7	21	7	20	7	18	7	16	7	19	7	17	7	15	7	15	7	17	7	11	8	11	7	11	7	10	7	10	7	10	284	11.8
" 15	7	9	9	10	8	8	4	5	...	1	30	4	32	9	1	6	27	5	25	12	30	15	32	14	2	11	28	8	32	11	31	16	32	16	1	11	2	13	2	10	32	9	3	8	1	5	5	253	9.7
" 16	32	2	...	1	32	2	2	8	32	7	32	9	1	6	1	4	1	4	13	2	13	5	9	5	24	7	24	6	29	5	26	4	2	4	6	2	27	4	...	0	...	0	...	0	...	1	16	2	85	3.5
" 17	2	11	1	17	32	14	32	19	32	18	2	14	3	8	5	5	5	8	5	17	7	13	8	14	9	15	10	18	10	18	8	7	5	3	32	8	...	1	2	2	...	0	...	0	...	1	7	6	234	9.8
" 18	5	8	3	9	4	11	5	12	5	13	4	15	4	11	5	12	5	12	8	17	8	17	7	16	8	16	8	15	1	11	9	18	9	20	7	14	7	14	8	14	10	8	10	7	...	1	...	0	291	12.1
" 19	...	0	11	3	6	9	6	8	6	7	6	7	12	5	7	8	5	14	8	18	8	22	7	22	7	20	6	26	6	22	6	23	6	25	7	26	7	28	7	27	7	29	7	24	6	26	6	33	426	17.7
" 20	6	31	6	24	7	27	7	29	7	24	7	26	6	22	7	23	7	23	6	23	6	24	7	26	7	23	7	22	7	24	7	24	7	22	7	26	7	24	7	22	7	21	7	15	7	15	7	19	560	23.3
" 21	7	17	6	17	7	14	7	16	8	17	8	20	8	20	7	22	7	19	7	23	8	24	9	22	8	23	7	19	7	19	7	17	6	17	7	15	6	20	6	23	6	21	6	18	6	22	6	24	469	19.5
" 22	6	26	6	26	6	21	6	19	7	24	7	27	6	28	7	21	7	24	7	29	7	19	8	23	8	25	7	26	7	20	7	22	7	21	7	20	7	19	8	19	8	31	8	19	9	14	9	13	514	21.4
" 23	8	9	6	6	6	4	...	1	9	2	9	4	5	2	...	1	...	1	1	26	7	19	13	21	15	23	18	21	15	22	17	20	17	22	13	22	2	31	5	8	3	2	2	...	0	...	1	11	3	156	6.5
" 24	9	3	...	1	...	1	...	1	...	1	9	2	8	8	8	10	8	14	8	20	8	22	8	24	8	24	8	26	8	24	8	25	7	23	7	21	7	18	8	20	7	18	7	18	7	15	6	19	7	13	369	15.4
" 25	7	19	6	21	7	19	7	21	7	18	7	19	7	21	6	23	7	17	7	21	7	19	7	20	7	19	6	15	24	16	32	9	23	7	14	4	32	7	32	16	32	14	32	13	32	9	32	9	376	15.7
" 26	32	12	32	8	32	5	1	8	31	8	1	12	1	5	32	8	33	7	2	6	25	8	27	4	32	11	32	13	32	9	29	14	31	8	31	10	32	15	32	8	2	9	1	11	1	8	1	11	218	9.1
" 27	1	16	32	11	32	11	2	12	32	12	32	9	1	13	1	10	2	9	1	11	31	15	28	9	23	6	31	14	31	12	1	14	1	15	1	21	2	12	2	16	2	15	1	14	32	22	1	14	312	13.0
" 28	1	14	28	7	2	12	1	21	32	14	1	16	1	8	12	4	2	8	4	18	4	19	6	16	6	14	9	17	10	15	11	13	11	8	6	8	5	6	5	5	2	...	1	...	0	12	2	...	238	9.9
" 29	13	8	14	2	32	6	2	6	2	7	1	9	4	4	4	8	4	16	6	20	7	22	7	22	7	21	6	19	7	19	7	18	7	11	6	8	5	11	8	8	4	10	4	8	4	8	4	9	281	11.7
" 30	5	17	6	17	4	20	5	18	6	26	6	28	6	33	6	37	7	28	7	29	7	26	6	21	6	23	7	26	7	29	7	25	7	25	6	23	7	23	7	23	7	27	7	30	7	33	7	32	610	25.4
" 31	6	23	6	29	6	30	6	27	6	27	6	26	6	24	7	26	6	23	6	20	7	21	7	21	8	15	8	21	9	21	9	19	8	15	6	12	6	11	6	9	7	10	6	6	6	6	8	6	465	19.4
Sums	...	373	...	370	...	396	...	422	...	422	...	426	...	439	...	468	...	412	...	499	...	522	...	515	...	526	...	558	...	581	...	569	...	437	...	411	...	404	...	392	...	380	...	350	...	358	...	369	10419	434.0
Hourly Means	...	12.0	...	11.9	...	12.8	...	13.6	...	13.6	...	13.7	...	12.8	...	13.2	...	11.3	...	16.1	...	16.9	...	16.6	...	17.0	...	18.0	...	17.1	...	18.4	...	14.1	...	13.5	...	12.9	...	12.6	...	12.3	...	11.3	...	11.5	...	11.9	336.1	14.0

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR DECEMBER, 1885.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	4.8	8.5	0.3	0.0	+4.5	+ 8.5	E 28° N
2 „	5.0	8.2	0.2	0.2	4.8	8.0	E 31° N
3 „	5.5	8.8	0.1	0.0	5.4	8.8	E 32° N
4 „	5.5	9.6	0.2	0.0	5.4	9.6	E 29° N
5 „	4.7	9.9	0.1	0.0	4.6	9.9	E 25° N
6 „	4.3	10.2	0.1	0.0	4.2	10.2	E 22° N
7 „	4.3	9.7	0.2	0.0	4.1	9.7	E 23° N
8 „	3.5	10.6	0.2	0.0	3.3	10.6	E 17° N
9 „	3.6	11.6	0.1	0.1	3.5	11.5	E 17° N
10 „	2.7	13.6	0.3	0.6	2.5	13.0	E 11° N
11 „	2.4	13.9	0.8	0.9	1.6	13.0	E 7° N
Noon.	1.5	14.0	0.9	1.0	0.6	13.0	E 3° N
1 p.	1.5	14.6	0.9	0.8	0.6	13.8	E 2° N
2 „	2.0	15.3	0.6	0.8	1.3	14.5	E 5° N
3 „	2.3	13.6	0.8	1.1	1.5	12.5	E 7° N
4 „	2.2	13.2	0.8	1.1	1.4	12.2	E 6° N
5 „	2.6	11.4	0.5	0.6	2.1	10.9	E 11° N
6 „	2.8	10.8	0.3	0.1	2.6	10.8	E 14° N
7 „	3.0	10.6	0.2	0.1	2.8	10.5	E 15° N
8 „	3.5	9.9	0.3	0.0	3.2	9.9	E 18° N
9 „	3.8	9.5	0.2	0.0	3.6	9.5	E 21° N
10 „	3.4	8.3	0.2	0.0	3.2	8.3	E 21° N
11 „	4.2	8.1	0.3	0.0	3.9	8.1	E 26° N
Midt.	4.1	8.9	0.4	0.0	+3.8	+ 8.9	E 23° N
Mean,.....	3.5	10.9	0.4	0.3	+3.1	+ 10.7	E 17° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AT VICTORIA PEAK, AND SEA DISTURBANCE.

Date.	4 a.			10 a.			4 p.			10 p.		
	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea.	Direction	Force.	Sea
1885.												
Dec. 1,.....	...	...	2	E	4	2	E	3	2	E	4	1
„ 2,.....	...	...	1	E	4	1	E	4	1	E	4	1
„ 3,.....	...	...	1	E	3	1	E	4	1	E	4	2
„ 4,.....	...	...	3	E	5	3	E	5	2	E	5	1
„ 5,.....	...	...	1	E	2	1	E	4	1	E	4	0
„ 6,.....	...	...	3	E	4	3	E	4	3	E	4	3
„ 7,.....	...	...	3	E	4	3	E	4	4	E	4	3
„ 8,.....	...	...	3	E	3	3	E	3	2	E	4	2
„ 9,.....	...	...	4	E	5	4	E	5	4	E	4	3
„ 10,.....	...	...	3	E	5	3	E	4	1	E	4	0
„ 11,.....	...	...	0	NE	4	0	E	3	3	NE	5	3
„ 12,.....	...	...	2	NE	5	3	NE	5	2	NE	5	4
„ 13,.....	...	...	2	ENE	4	2	E	3	2	E	4	1
„ 14,.....	...	...	2	E	5	3	E	4	3	NE	4	2
„ 15,.....	...	...	0	N	4	0	N	4	0	N	5	1
„ 16,.....	...	...	1	N	3	1	NE	4	1	ENE	4	0
„ 17,.....	...	...	2	E	5	2	E	2	1	ENE	4	1
„ 18,.....	...	...	3	E	5	3	E	4	2	E	4	2
„ 19,.....	...	...	1	E	5	2	E	5	3	E	6	4
„ 20,.....	...	...	4	E	6	5	E	5	5	E	5	4
„ 21,.....	...	...	3	E	5	3	E	5	3	E	5	4
„ 22,.....	...	...	3	E	6	3	SE	5	3	SE	5	2
„ 23,.....	...	...	1	S	5	0	S	5	0	S	5	0
„ 24,.....	...	...	0	S	4	0	SE	4	1	SE	5	2
„ 25,.....	...	...	2	SE	5	3	NW	4	0	NE	4	1
„ 26,.....	...	...	2	N	4	2	N	4	2	N	5	2
„ 27,.....	...	...	2	NE	4	2	N	5	2	N	5	2
„ 28,.....	...	...	2	NE	4	3	E	4	2	NE	4	0
„ 29,.....	...	...	2	E	5	3	E	5	3	E	5	4
„ 30,.....	...	...	4	E	6	4	E	6	5	E	6	5
„ 31,.....	...	...	4	E	6	4	E	4	3	E	4	3
Mean,.....	...	...	2.1	E 6° N	4.5	2.3	E 6° N	4.2	2.2	E 11° N	4.5	2

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1885.	ins.	ins.	ins.	°	°	°	°	°	°	°
Dec. 1,	28.358	28.261	28.312	59.8	63.8	61.6	124.0	63.8	57.0	56.5
" 2,	.337	.279	.301	62.8	65.8	63.6	127.0	66.2	59.4	59.5
" 3,	.382	.306	.296	65.8	68.2	64.0	128.0	68.8	59.0	58.5
" 4,	.354	.276	.325	63.8	64.8	61.8	121.8	64.8	60.0	56.5
" 5,	.366	.293	.284	63.8	66.2	63.8	125.4	66.2	60.8	59.1
" 6,	.362	.289	.301	63.6	62.8	62.0	133.0	65.9	61.0	59.5
" 7,	.300	.223	.233	59.8	61.2	60.8	128.0	62.0	58.4	57.5
" 8,	.280	.222	.251	61.2	62.4	60.2	124.0	63.8	58.2	59.5
" 9,	.270	.190	.193	60.8	61.8	61.2	93.0	61.8	59.8	59.5
" 10,	.226	.157	.180	62.0	65.2	63.8	135.0	65.2	60.0	55.5
" 11,	.246	.211	.332	63.8	64.8	58.2	128.8	66.2	58.2	46.5
" 12,	.340	.337	.373	56.8	57.8	52.8	115.8	59.7	51.0	47.3
" 13,	.385	.292	.319	52.8	56.8	52.0	121.4	56.9	49.6	49.1
" 14,	.291	.214	.285	54.8	56.8	53.6	119.6	56.9	51.0	47.3
" 15,	.320	.222	.261	56.6	59.8	55.8	120.0	59.8	53.6	46.1
" 16,	.281	.220	.278	60.0	59.8	56.2	117.8	60.8	55.0	46.5
" 17,	.292	.245	.311	57.0	58.8	55.2	121.8	59.4	54.0	48.1
" 18,	.359	.271	.259	56.8	58.2	52.8	119.0	59.8	52.8	48.7
" 19,	.300	.212	.180	57.8	58.8	54.8	122.2	58.8	54.8	51.5
" 20,	.212	.124	.130	57.0	58.0	57.2	101.0	58.3	54.8	55.5
" 21,	.210	.118	.107	57.8	59.8	59.2	133.0	60.7	56.0	56.5
" 22,	.165	.076	.088	59.2	59.8	59.8	97.8	61.7	56.0	48.5
" 23,	.114	.050	.078	63.4	64.8	65.2	121.0	65.7	59.8	61.5
" 24,	.152	.111	.163	65.8	65.8	64.8	135.0	66.8	64.0	61.5
" 25,	.193	.140	.140	64.8	63.6	59.0	123.2	66.1	56.0	57.7
" 26,	.261	.212	.206	59.2	59.4	56.8	119.0	59.7	56.0	51.5
" 27,	.298	.271	.217	52.4	51.8	51.8	114.0	56.8	50.2	50.5
" 28,	.382	.328	.395	49.8	53.8	50.2	114.2	54.6	47.0	47.5
" 29,	.448	.383	.417	50.8	52.4	50.8	115.4	52.7	49.0	49.5
" 30,	.458	.278	.428	50.8	52.0	49.2	127.0	52.3	49.2	44.5
" 31,	.459	.356	.323	51.0	53.0	51.0	104.0	53.0	48.2	46.5
Mean,	28.303	28.234	28.257	58.8	60.3	57.7	120.3	61.1	55.5	53.0

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND AT VICTORIA PEAK.

Date. 1885.	Relative Humidity.						Tension of Aqueous Vapour.					
	Observatory.			Victoria Peak.			Observatory.			Victoria Peak.		
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.
Dec. 1,	78	85	87	94	89	91	0.528	0.573	0.580	0.482	0.531	0.503
" 2,	76	81	70	96	87	85	.589	.583	.488	.551	.552	.503
" 3,	70	74	82	89	81	87	.568	.563	.578	.565	.562	.523
" 4,	70	74	85	84	84	99	.470	.514	.554	.494	.513	.550
" 5,	73	80	85	89	87	86	.553	.594	.596	.525	.560	.513
" 6,	85	87	86	94	94	94	.574	.570	.519	.569	.538	.522
" 7,	73	68	76	94	87	83	.464	.428	.460	.482	.471	.445
" 8,	70	72	81	91	91	91	.481	.480	.521	.496	.511	.478
" 9,	81	83	92	94	94	97	.536	.559	.608	.500	.525	.526
" 10,	77	82	89	98	92	91	.565	.601	.586	.548	.573	.538
" 11,	80	76	66	93	95	76	.564	.554	.403	.551	.578	.375
" 12,	48	43	44	70	71	80	.249	.236	.182	.322	.335	.320
" 13,	41	33	48	80	79	85	.188	.180	.233	.320	.365	.328
" 14,	67	69	66	87	88	87	.365	.389	.375	.373	.403	.362
" 15,	49	31	42	84	77	81	.338	.256	.242	.384	.395	.361
" 16,	43	51	67	70	79	79	.232	.313	.353	.364	.406	.357
" 17,	36	40	63	69	71	72	.225	.254	.325	.320	.357	.316
" 18,	59	51	70	82	76	87	.339	.302	.360	.376	.375	.346
" 19,	53	78	85	82	88	94	.338	.472	.508	.391	.436	.400
" 20,	76	78	89	94	92	92	.457	.472	.535	.435	.446	.433
" 21,	74	69	84	99	94	94	.485	.461	.542	.478	.482	.472
" 22,	85	84	96	97	99	99	.529	.521	.589	.490	.512	.512
" 23,	76	72	93	96	95	97	.605	.592	.630	.562	.578	.606
" 24,	90	87	92	95	95	89	.637	.592	.631	.598	.598	.545
" 25,	92	97	82	99	94	86	.613	.615	.464	.511	.560	.433
" 26,	59	61	65	80	84	88	.325	.357	.285	.402	.429	.403
" 27,	40	29	30	76	87	55	.175	.156	.136	.299	.332	.209
" 28,	38	39	50	73	75	83	.178	.196	.223	.262	.307	.301
" 29,	52	53	66	83	77	73	.248	.250	.304	.309	.304	.269
" 30,	61	61	62	80	87	82	.289	.308	.325	.298	.340	.289
" 31,	68	62	73	90	80	84	.327	.315	.353	.337	.327	.316
Mean,	66	66	73	87	86	86	0.421	0.427	0.436	0.441	0.458	0.421

TABLE XII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1885.												
Dec. 1, ...	2	sm-cum.	...	7	cum.	E	8	sm-cum.	W	10	sm-cum. / R-cum.	W / E
„ 2, ...	7	cum.	E	4	cum.	E	8	sm-cum. / R-cum.	W / E	1	cum.	E
„ 3, ...	0	...	...	1	cum.	E	0	...	...	1	cum.	E
„ 4, ...	6	cum.	ESE	6	cum-nim.	ESE	7	cum.	ESE	1	cum.	E
„ 5, ...	0	...	...	0	...	...	1	c-cum.	WSW	6	c-cum. / sm-cum.	WSW / WSW
„ 6, ...	7	cum.	...	8	cum.	...	5	cum.	WSW	10	cum-nim.	E
„ 7, ...	10	cum.	...	8	cum.	E	7	R-cum.	E	5	R-cum.	E
„ 8, ...	0	...	...	1	cum.	...	0	...	...	0	...	...
„ 9, ...	4	cum.	E	9	cum-nim.	ENE	10	cum-nim.	E	10	cum-nim.	ENE
„ 10, ...	10	nim.	...	8	cum-nim.	ENE	7	c-cum. / cum.	SW / E	6	c-str. / c-cum. / cum.	... / S / E
„ 11, ...	0	...	...	4	cum.	E	...	fog.	...	0	...	...
„ 12, ...	10	cum-nim.	...	7	cum-nim.	N	2	c-str.	...	4	c-str.	W
„ 13, ...	0	...	...	0	...	...	2	c-cum.	W	4	c-str.	W
„ 14, ...	0	...	...	7	cum.	SE	5	c-str.	W	5	c-str. / R-cum.	W / ESE
„ 15, ...	6	cum.	SW	0	...	...	0	...	...	0	...	...
„ 16, ...	0	...	...	0	...	...	0	...	...	1	c-cum.	W
„ 17, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 18, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 19, ...	10	cum.	W	2	cum.	E	0	...	...	1	cum.	SE
„ 20, ...	10	cum.	E	10	cum.	E	10	R-cum.	...	9	R-cum.	E
„ 21, ...	10	nim.	E	10	nim.	E	10	cum-nim.	E	9	R-cum.	ESE
„ 22, ...	10	cum-nim.	E	10	cum-nim.	...	10	nim.	...	10	cum-nim.	E
„ 23, ...	9	cum.	SSW	5	cum.	WSW	4	sm-cum. / cum.	W / SW	7	sm-cum. / cum.	W / SSW
„ 24, ...	9	sm-cum.	WSW	7	cum.	S	9	sm-cum.	WSW	7	sm-cum. / cum.	W / S
„ 25, ...	10	cum.	SSE	10	nim.	E	10	cum-nim.	ESE	10	nim.	ESE
„ 26, ...	10	nim.	...	10	cum.	...	10	str. / cum-nim.	...	6	sm-cum.	W
„ 27, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 28, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 29, ...	1	sm-cum.	E	1	cum.	E	0	...	...	1	cum.	E
„ 30, ...	3	cum.	E	7	cum.	E	6	cum.	E	7	R-cum.	ESE
„ 31, ...	6	cum.	E	4	cum.	E	1	cum.	E	1	cum.	E
Mean, ...	4.8	...	...	4.7	...	...	4.3	...	...	4.3	...	...

TABLE XII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Daily and Monthly Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1885.													
Dec. 1,.....	0	...	...	0	...	...	1	cum.	E	1	cum.	E	3.6
„ 2,.....	0	...	...	0	...	...	0	...	...	0	...	...	2.5
„ 3,.....	1	c. / cum.	WSW / E	1	c.	WSW	4	cum.	E	10	cum.	E	2.2
„ 4,.....	1	cum.	E	8	R-cum.	S	0	...	...	0	...	...	3.6
„ 5,.....	6	c-cum. / sm-cum.	WSW / WSW	5	c-cum.	WSW	7	cum.	WSW	9	cum.	WSW	4.2
„ 6,.....	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	8.8
„ 7,.....	2	R-cum.	E	2	c-cum. / R-cum.	W / E	8	cum.	E	1	str.	...	5.4
„ 8,.....	2	R-cum.	N	6	R-cum.	NNW	0	...	...	7	cum.	NE	2.0
„ 9,.....	9	c-cum. / R-cum.	E	7	c-cum. / cum. / R-cum.	.... / SE / E	7	cum.	ENE	10	nim.	...	8.2
„ 10,.....	3	c-str. / cum.	SW / W	0	...	...	0	...	...	0	...	...	4.3
„ 11,.....	4	cum-str. / cum.	WNW / E	9	cum-str. / cum-nim.	N / E	10	cum.	NNE	10	cum.	...	4.6
„ 12,.....	6	c-str.	WNW	5	c-str.	WNW	1	c-str.	...	1	c-str.	...	4.5
„ 13,.....	7	c-str.	W	1	c-str.	...	1	c-str.	...	2	c-str.	W	2.1
„ 14,.....	1	cum.	E	1	c-cum. / str.	W /	2	c-str. / cum.	...	7	c-str. / cum.	SSW	3.5
„ 15,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.7
„ 16,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.1
„ 17,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 18,.....	0	...	...	1	c-cum.	SE	1	c-str.	...	1	str.	...	0.4
„ 19,.....	1	cum.	E	9	R-cum.	E	10	cum.	E	10	cum.	E	5.4
„ 20,.....	10	sm-cum. / R-cum.	SSE / E	9	cum. / R-cum.	E	10	nim.	E	10	nim.	E	9.8
„ 21,.....	9	cum. / R-cum.	SSW / E	10	str.	SSW	10	cum-nim.	E	10	cum-nim.	E	9.7
„ 22,.....	10	str. / cum-nim.	E	10	cum. / cum-nim.	SW / ESE	10	nim.	ESE	10	nim.	SE	10.0
„ 23,.....	5	sm-cum. / cum.	W / W	4	cum. / R-cum.	W / N	0	...	...	1	cum.	SW	4.4
„ 24,.....	9	sm-cum. / R-cum.	W / S	8	cum. / R-cum.	WSW / ESE	10	R-cum.	ESE	10	nim.	ESE	8.6
„ 25,.....	10	nim.	S	10	nim.	SSW	10	nim.	SW	10	cum.	...	10.0
„ 26,.....	9	sm-cum. / cum.	W /	10	sm-cum.	W	0	...	...	0	...	...	6.9
„ 27,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 28,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 29,.....	0	...	...	0	...	...	0	...	...	1	cum.	E	0.5
„ 30,.....	8	R-cum.	E	1	cum.	E	0	...	...	6	cum.	E	4.7
„ 31,.....	0	...	...	0	...	...	0	...	...	0	...	...	1.5
Mean,.....	4.0	...	...	4.1	...	...	3.6	...	...	4.4	...	...	4.3

TABLE XIII.

RAINFALL AT DIFFERENT STATIONS.

Date.	Observatory.		Stone Cutters' Island.	Victoria Peak.
	Amount.	Duration.	Amount.	Amount.
1885.	ins.	hrs.	ins.	ins.
Dec. 1	...	...	...	...
" 2	...	...	...	...
" 3	...	...	...	...
" 4	...	...	...	...
" 5	...	...	...	...
" 6	...	2	...	...
" 7	...	...	...	...
" 8	...	...	...	...
" 9	0.130	3	...	...
" 10	0.010	...	...	...
" 11	0.015	2	0.13	...
" 12	...	...	...	...
" 13	...	...	...	...
" 14	...	...	...	...
" 15	...	...	...	...
" 16	...	...	...	...
" 17	...	...	...	...
" 18	...	...	...	...
" 19	...	...	...	...
" 20	...	5	...	...
" 21	0.010	2	...	...
" 22	...	3	...	...
" 23	0.005	...	...	...
" 24	0.025	5	...	...
" 25	1.055	10	0.90	1.36
" 26	...	...	...	...
" 27	...	...	...	...
" 28	...	...	...	...
" 29	...	...	...	...
" 30	...	...	...	...
" 31	...	...	...	...
Total	1.250	32	1.03	1.36

W. Doberck,
Government Astronomer.

Hongkong Observatory, 30th January, 1886.

Appendix A.

RESULTS OF MAGNETIC OBSERVATIONS MADE 1841-1885, IN HONGKONG.

1.—Declination.

Date.	*Observer.*	*Locality.*	*Declination.*
1843,	Belcher,	Hongkong,	0° 37′ E.
1855,	Richards,	Kaulung,	0 30 „
1874.9,	Maclear,	„	0 55.6 „
1884.5,	Observatory,	„	0 47.0 „
1885.5,	„	„	0 45.2 „

2.—Dip.

Date.	*Observer.*	*Locality.*	*Dip.*
1841.1,	Belcher,	Hongkong,*	30° 27.7 N.
1843.8,	„	„	30 50 „
1851,	Collinson,	„	29 40 „
1858,	Novara,	„	31 8 „
1858.1,	Shadwell,	Wellington Battery,	31 26 „
1872.3,	„	„	32 17.9 „
1873.3,	„	„	32 19.6 „
1874.9,	„	„	32 17.3 „
1874.9,	Maclear,	Kaulung,	32 20.4 „
1884.5,	Observatory,	„	32 26.7 „
1885.5,	„	„	32 26.4 „

* Near Granite Rocks.

3.—Total Force in British Units.

Date.	*Observer.*	*Locality.*	*Force.*
1843,	Belcher,	Hongkong,	8.95
1858,	Novara,	„	8.95
1874.9,	Maclear,	Kaulung,	9.231
1884.5,	Observatory,	„	9.258
1885.5,	„	„	9.257

It appears, that the observed declinations are insufficient to prove any secular change, and that the dip was about 1860, increasing three or four minutes, and about 1880 about one minute yearly. The total force appears to be slowly increasing.

W. Doberck,
Government Astronomer.

Hongkong Observatory, 13th January, 1886.

Appendix B.

ON THE PRACTICAL USE OF THE METEOROLOGICAL SIGNALS. (Storm warning)

The utility of the Meteorological Signals hoisted at Tsimshatsui is confined to the shipping and to those interested in ships about to leave the harbour or out in the China Seas. **The Colony itself is warned by means of the typhoon gun.**

When the red drum is hoisted steamers if bound for northern, western or southern ports should lose no time in starting and may then expect more or less fine weather. Steamers bound for the Philippine Islands should take precautions to avoid the typhoon and observe the rules given in my notice of the 11th May, 1885. Sailing vessels if bound for western or southern ports should lose no time in starting, but if bound for northern or eastern ports they should remain in the harbour awaiting further information, as they may expect to encounter calms or contrary breezes after starting, even if the wind is westerly at the time.—The day after the drum being hoisted the information contained in the *China Coast Meteorological Register* issued from here should be considered, taking into account that the rate of progress of typhoons E or SE of Hongkong is generally between 6 and 14 miles an hour.

When the red cone pointing upwards is hoisted SW winds may be expected and ships leaving the harbour are not likely to run any risk from the typhoon, but sailing vessels bound for the north should start as soon as convenient, so as to benefit by the favourable SW breeze.

When the red cone pointing downwards is hoisted ships desirous of avoiding bad weather should remain in port till the barometer begins to rise, when danger from the typhoon is past.

When the red ball is hoisted ships starting for northern, southern or eastern ports may expect breezes from E round by S to SW. Those starting for western ports run no risk as long as they manage to keep their barometer rising. If it should happen to fall, they should heave to and subsequently, if necessary, take refuge in some typhoon harbour, but this will rarely occur.

Vessels in the China Sea are generally enabled by observing the rules given in the notices of the 11th May, and the 16th July, 1885, to avoid running into typhoons, that may be encountered.—In the former notice the following rule is given:

> "The whereabout of the centre of a typhoon may, in the China Sea, be ascertained by the rule:—stand with your back to the wind, and you will have the centre on your left side, but between two and four points in front of your left hand. There are however certain exceptions to this rule. Thus there often blows a steady Easterly gale along the southern Coast of China, when a typhoon is crossing the China Sea, and the gale blows often steady from North-East about the northern entrance to the Formosa Straits, when there is a typhoon in a more southern latitude."

and an illustration of this rule is contained in the Weather Report for August, 1884, published on the 3rd April, 1885.

Further researches have shown, that in the Philippine Islands and along the Coast of China as far north as 24° latitude when you stand with your back to the wind in a typhoon, you will probably have the centre nearly 4 points in front of your left hand, but on the open sea far from any shore you will generally have it about 3 points in front of your left hand when your ship is in front of the centre of the typhoon, and more than 3 points in front of your left hand, behind the centre. Above 25° latitude the angle will probably be found to be between 2 and 3 points. It appears to be smaller the greater the distance from the nearest shore and the greater the latitude. At some distance behind the centre the wind blows generally straight towards it.

W. Doberck,
Government Astronomer.

Hongkong Observatory, 11*th April*, 1886.

Appendix C.

REPORT ON INFORMATION ISSUED DAILY, IN 1885, CONCERNING TYPHOONS.

The remarks concerning Typhoons, Meteorological Signals, and Stormwarnings published in the *China Coast Meteorological Register* * issued daily from here in 1885 are reprinted below. The basis on which typhoons were forecast is added in small print and likewise the positions at 10 a. of the centre of the typhoon, as determined from a provisional discussion of the observations subsequently collected, which positions are subject to correction on further investigation:

1885, July 11th.—'The barometer has risen. Gradients for SW winds are slight. The temperature and humidity remain high. It is possible, that there is a typhoon in the Pacific, but it is not indicated with certainty. If so, fine weather and light winds may be expected along the coast of China.'

Basis: General.—The typhoon appears to have been about 9° N, 135° E. The weather improved the following days along the coast.

1885, July 20th.—'The barometer has fallen in the East and risen in the West. Gradients are moderate for SW winds. The temperature remains high and the humidity rather low.'

1885, July 21st.—'The barometer has fallen over Luzon and risen along the coast. Gradients are slight. The temperature remains high and the humidity rather low. Fine weather prevails.'

1885, July 22nd.—'The fall in the barometer has continued particularly over Luzon, where rain has fallen. The temperature remains high along the coast, the humidity rather low. Fine weather and light winds prevail. There is a typhoon N of Luzon, but ships can still leave for Singapore without much danger.'

Red drum hoisted at 1.30 p.

Basis: Gradients indicating light NE winds but WSW gale reported from Manila.—The typhoon was about 18° N, 125° E moving NWestward.

1885, July 23rd.—'The barometer has risen over Luzon and in Shanghai, and fallen along the SE coast, particularly in Amoy. The temperature is high and the humidity low. Fine weather prevails along the coast but it is raining over Luzon. The typhoon appears to be moving NWestward.

Typhoon in 22° N, 124° E.

During the night *the drum was replaced by the north cone.*

1885, July 24th.—'The barometer has risen in the south and fallen in Shanghai. The temperature is high in the south. The typhoon appears to be in 29° N, 124° E or thereabout and will no doubt recurve towards NE.'

Typhoon 28° N, 125° E moving NNEastward.

North cone removed at 1 p.

1885, July 25th.—'The barometer has risen in the south and fallen in the north. The temperature has fallen; the humidity has increased. The typhoon is at present between Shanghai and Nagasaki and is moving N Eastward. It appears to be followed by thunderstorms.'

Typhoon 32° N, 126° E moving NNEastward.

1885, July 26th.—'The barometer has risen over Luzon and along the coast of China. The temperature is high, the humidity moderate and the weather overcast with rain in places. The typhoon is now quickly traversing the Sea of Japan.'

Typhoon 37° N, 130° E moving Northwards.

1885, July 27th.—'The barometer has fallen in Wladivostock owing to the approach of the typhoon, but is steady elsewhere. The temperature and humidity are high.'

Typhoon 3° west of Wladivostock.

1885, August 2nd.—'The barometer has fallen. The temperature is comparatively moderate. The humidity is high and the weather overcast except over Luzon where it is fine and dry.'

1885, August 3rd.—'There appears to be a typhoon N of Luzon. It will probably move Northwards. Rough weather may be expected about Northern Formosa. The barometer has fallen. The temperature and humidity are high.'

Basis: Gradients on S and SE coast of China indicating Westwinds, and SW breeze reported from Bolinao.

Typhoon had approached China coming up from SE after passing NEast of Luzon and Formosa. It appears to have been at the time 2° or 3° SW of Shanghai, where it blew a gale from the East but the telegram was received too late.

North cone hoisted at 3 p.

* This contains observations made at 9 a. or 10 a. and at 3 p. or 4 p. in Bolinao or Manila, Haiphong, Hongkong, Amoy, Shanghai, Nagasaki and Wladivostock but is seldom complete, as the observations have to be fetched by messenger from the other side of the harbour.

1885, August 4th.—'It appears, that the typhoon after turning NWestward struck the coas south of Shanghai and is now proceeding Northward through Northern China. The barometer ha risen. The temperature has fallen and the humidity is high. Heavy rain has fallen south of th centre of the typhoon.'

Typhoon about 33° N, 118° E moving Northwards.

North cone removed at 1.30 p.

1885, August 6th.—'The barometer has fallen in the SE and risen in the W. The temperature i high, the humidity low and the weather fine except in Tonquin. There is probably another typhoo in the Pacific and if so, fine weather with light winds may be expected to prevail along the coast.'

Basis: General.—Nothing further ascertained about this typhoon up to date, but the weather continued fine wit light winds up to the 10th or 11th.

1885, August 17th.—'The barometer has risen in Luzon and fallen along the coast. Probabl there is a typhoon in the China Sea. The temperature is moderate, the humidity great and the weathe cloudy, but light winds are reported from all stations except Hongkong.'

The Gun was fired one round at 12.30 p., the red ball was hoisted at 3.30 p. and at 4 p. a telegra was issued that there was a typhoon West of Hongkong moving northwards.

1885, August 18th.—'The barometer is rising at all stations except Shanghai and Nagasak The temperature is moderate, the humidity great, the sky clouded and the wind light. *The red ba was hoisted at 3.30 p.* and *removed during the night.* It appears that the typhoon which was movin northwards, entered the coast West of Hongkong last night, and the depression quickly lost the characte of a tropical storm. Light SW winds are now expected to prevail till the next typhoon approaches

Basis: Local observations.—The centre of this typhoon passed between Macao and Hongkong.

1885, August 19th.—'The barometer has risen except in Nagasaki. The temperature an humidity are rather high, the sky clouded and the wind moderate, except during local squalls connecte with thunderstorms following the late typhoon.'

1885, August 20th.—'The barometer has fallen. The temperature and humidity are high. Th sky is overcast along the coast and the wind light. There appears to be a typhoon East of Bolinac Light winds may therefore be expected along the coast.'

Basis: Observations telegraphed from Bolinao.—Typhoon about 15° N, 132½° E.

Drum hoisted at 8.30 p.

1885, August 21st.—'The barometer has fallen in the south owing to the typhoon E of Bolina forecast yesterday. The temperature and humidity continue high. Moderate winds and fine weathe are expected.'

1885, August 22nd.—'The temperature and humidity continue high. The barometer has falle over Luzon and along the coast. The typhoon forecast on the 20th is about crossing Luzon. A moderate NW gale blew during the night at Bolinao. Fine weather and light winds are expecte along the southern coast of China and rather rough weather in the Formosa Straits. Ships can safel leave for Singapore by keeping westward in the China Sea.

Typhoon NE of Luzon moving N Westward.

1885, August 23rd.—'The typhoon has crossed Luzon and appears to be moving towards th Straits of Formosa. It blew in furious squalls with very heavy rain at Bolinao last night. Th barometer has fallen. The temperature and humidity are high. The weather is fine along the coas Ships can safely leave for southern and western ports but only large steamers should start for th north.'

Typhoon NE of Luzon moving NWestward.

1885, August 24th.—'The barometer has risen over Luzon and in Shanghai and has falle elsewhere. The temperature continues high but the humidity has decreased. The typhoon appear to be about entering the Formosa Channel. Ships can safely start for Western, Southern and Easter ports but only large steamers should start for Northern Ports. Fresh NW to SW winds are expecte here.'

Typhoon entering southern Formosa.

The drum was removed and the north cone hoisted at 8 p.

1885, August 25th.—'The typhoon has entered the mainland near Amoy, with which communi cation is in consequence interrupted. It will now move northwards. The north cone was hoisted a 8 last night. This signal implied that sailing vessels should lose no time in starting for the nortl The barometer has risen in the south. The temperature is high, the humidity moderate and fresh SV winds are expected.'

Typhoon about 27° N, 117° E, moving NWestwards.

1885, August 26th.—'The barometer has risen. The temperature and humidity are moderat Fresh SW winds, forecast yesterday, are expected to continue. The centre of the typhoon is situate on the mainland in about 26° N, 116° E. It will move northwards. It is followed by thunderstorms

Typhoon about 29° N, 113° E moving Northwards.

1885, August 27th.—'The barometer has risen. The temperature and humidity are high. Ove cast and wet weather with fresh S winds prevails.'

North cone removed at 1.13 p.

Typhoon about 34° N, 115° E.

1885, August 28th.—'The barometer has risen in the south and fallen in the north. It appears that the typhoon is about turning NEastward. It will probably traverse the sea of Japan. The temperature is moderate, and the humidity high. Overcast and wet weather—with moderate SW winds—prevails over the China sea.'

Typhoon about 37° N, 122° E moving NEastward.

1885, August 29th.—'The barometer has fallen in the East and risen in the West. The temperature is moderate, the humidity great and the weather overcast and wet. Light or moderate winds are expected.'

1885, August 30th.—'There appears to be a typhoon SE of Luzon. The barometer continues falling over Luzon and rising in Tonquin. The temperature is low, the humidity high and the weather overcast and wet. Steamers leaving the port may expect light winds and favourable weather.'

Basis: General—Typhoon about 16° N, 135° E moving N Westward,

1885, August 31st.—'The barometer has fallen a little in the south and risen in the north owing to the approach of the typhoon forecast yesterday. The temperature and humidity are rather high. The weather is improving and light winds are expected to prevail over the China Sea for the next few days.'

1885, September 1st.—'The barometer has fallen in the south. The typhoon forecast on the 30th appears to be approaching Luzon at the slow rate with which typhoons generally move in that locality. The temperature is moderate, the humidity rather low, the weather improving and light winds are expected to prevail in the China Sea.'

1885, September 2nd.—'The barometer has fallen generally. The temperature and humidity are rather high, the weather cloudy and wet and the winds light.'

1885, September 3rd.—'The typhoon appears to have passed Northwards while yet E of Formosa. The barometer has risen over Luzon and fallen along the SE coast. The temperature and humidity are moderate. Cloudy weather with moderate SW winds are expected in the China Sea.'

Typhoon E of Formosa is about 131° E long. moving NNWestward.

1885, September 4th.—'The barometer has risen except in Japan. The temperature is rather high and the humidity moderate. Cloudy and squally weather prevailed yesterday. Moderate winds are expected.'

1885, September 5th.—'The barometer has risen in the south. The temperature is high, the humidity moderate, the weather cloudy and moderate winds are expected.'

The typhoon passed Port Hamilton.

1885, September 7th.—'The typhoon appears to have passed near SW of Japan. It is probably now traversing the Sea of Japan. The barometer has risen. The temperature is moderate, the humidity high, the weather overcast and wet, and the wind light.'

1885, September 8th.—'The barometer has risen in the north and fallen in the south. The typhoon is now felt in Wladivostock, but only a strong breeze is reported. The temperature and humidity are high, the weather cloudy and showery and the winds moderate.'

1885, October 14th.—'The barometer is still falling. The temperature has risen, the humidity has decreased and the weather is fine. There appears to be a typhoon E of Luzon. A fresh N breeze is reported from Bolinao.

Basis: Observations in Bolinao.—Typhoon NE of Luzon moving northward.

1885, October 15th.—'The barometer has risen in the south but is still falling in Foochow. The typhoon is moving northwards. The temperature continues rather high. The humidity is moderate and the weather fine except in Tonquin. Winds in the China Sea and along the coast are light. Fresh winds may be expected.'

Typhoon appears to have been E of Formosa moving Northwards.

1885, November 7th.—'The barometer has fallen quickly over Luzon owing to the approach of a typhoon, which will probably traverse the China Sea. The temperature and humidity are moderate. Overcast but fine weather with light winds prevails along the coast, but it is squally over Luzon. It blew a fresh NNE breeze this morning at Bolinao, where also a heavy ground swell was observed.'

Basis: Observations in Bolinao.—Typhoon E of Bolinao.

1885, November 8th.—'The barometer is falling. The typhoon announced yesterday crossed Luzon last night. A strong NNW gale was reported from Bolinao at 9 p. Fine weather is expected here. *The south cone was hoisted at Tsimshatsui last night.* The temperature is rising, the humidity is moderate and the weather fine along the south coast of China. It is overcast and sultry NE of Hongkong.'

This typhoon was very destructive over part of Luzon, but its progress has not yet been investigated for want of sufficient observations.

1885, November 9th.—'The barometer has risen. The typhoon has disappeared from observation, moving probably towards SW. The temperature and humidity are moderate, the winds light and the weather fine.'

South cone removed at 1.20 p.

W. DOBERCK,
Government Astronomer.

Hongkong Observatory, 14*th April*, 1886.

Appendix D.

RESULTS OF BAROMETRIC OBSERVATIONS MADE DURING 25 YEARS IN HONGKONG.

The following table exhibits the monthly mean barometric pressure as observed at the Harbour Office, 1861–1883 inclusive, and at the Observatory, 1884–1885 inclusive. Corrections have been applied for index-errors of the barometers and the readings have been reduced to 32° Fahrenheit at Mean Sea Level but not to gravity at 45° latitude.

Similar observations have been, for many years, made at the Hospital, of which the monthly means were also published in the *Gazette*, but owing to an erroneous manner of recording these observations they are not reliable.

The barometer was changed at the Harbour Office at the end of 1863 and in 1874. The index-errors of those barometers were determined at the Observatory but I have not been able to learn anything about the one in use before 1863. No regular account was, however, kept of alterations in or repairs done to the instruments, and the following results are in consequence rather uncertain.

The hours of the observations adopted were 6 a., Noon, and 6 p. from January, 1861 to July, 1873 inclusive; 10 a., Noon, and 4 p. from August, 1873 to July, 1876 inclusive; 9 a., Noon, and 3 p. from August, 1876 to December, 1880 inclusive; 10 a. and 4 p. from January, 1881 to December, 1883 inclusive; and hourly readings in 1884 and 1885. No correction for barometric tide was called for as moreover marine barometers in which the tide is diminished, were used at the Harbour Office.

Most of the means were taken in 1883 and early in 1884.

The following formula for calculating the height of the barometer, B, in inches, at any time of the year ϕ expressed in degrees assuming the whole year to correspond to 360°, counting from the middle of December, was obtained from the monthly means:

$$B = 29.953 + 0.236 \cos. (\phi - 31°) + 0.012 \cos. (2\phi - 352°).$$

The epochs of the highest and lowest barometer are obtained by differentiation of this equation. The epochs of quickest change by double differention.

Assuming: $B = B_0 + B_1 \cos. (\phi - \epsilon_1) + B_2 \cos. (2\phi - \epsilon_2)$.

We obtain: $\frac{dB}{d\phi} = - B_1 \sin. (\phi - \epsilon_1) - 2 B_2 \sin. (2\phi - \epsilon_2) = 0$

Substituting:

$$\text{tg.} (\phi - \tfrac{1}{2}\epsilon_2) = X \text{ ; tg.} (\epsilon_1 - \tfrac{1}{2}\epsilon_2) = a \text{ and } 4\frac{B_2}{B_1} \sec. (\epsilon_1 - \tfrac{1}{2}\epsilon_2) = b.$$

we obtain: $X^4 - 2aX^3 + (1 + a^2 - b^2) X^2 - 2aX + a^2 = 0.$

This equation has four roots, positive or negative according as a is positive or negative, but in either case two are imaginary.

Practically, however, the maximum and the minimum are obtained by trial. Thus the maximum 30.194 was found to occur about the 9th of January, and the minimum 29.719 about the 23rd July.

The monthly means reduced to 45° latitude are exhibited below and compared with the monthly means issued from Zi-ka-wei, near Shanghai, which are based on observations made from 1873 to 1884 inclusive. The latter were reduced to sea level and to 45° latitude:

Month.	*Zi-ka-wei.*	*Hongkong.*	*Difference.*
January,	30.337	30.116	+ 0.221
February,	.266	.069	.197
March,	30.172	30.007	.165
April,	29.995	29.892	.103
May,	.852	.788	.064
June,	.747	.708	.039
July,	.682	.677	.005
August,	.726	.680	.046
September,	29.893	.762	.131
October,	30.103	29.928	.175
November,	.237	30.052	.185
December,	30.307	30.102	+ 0.205
Year,	30.026	29.898	+ 0.128

It appears that the mean height of the barometer is greater in Zi-ka-wei than in Hongkong during every month of the year, but that the difference increases from July, when the heights are on an average nearly equal, till January.

W. DOBERCK,
Government Astronomer.

Hongkong Observatory, 22nd April, 1886.

MEAN BAROMETRIC PRESSURE IN HONGKONG, (1861-1885 INCLUSIVE).

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means.
1861,	30.104	30.160	30.094	29.983	29.886	29.844	29.814	29.755	29.806	29.991	30.103	30.156	29.975
1862,	30.234	30.243	30.159	.983	.906	.796	.739	.759	.901	30.031	30.102	.189	30.003
1863,	30.263	30.163	30.111	.991	.870	.775	.738	.694	.870	30.049	30.187	.205	29.993
1864,	29.956	29.966	29.984	.754	.720	.576	.608	.604	.734	29.932	30.049	.102	.832
1865,	30.120	29.952	29.992	.864	.785	.655	.659	.620	.590	.814	29.989	.007	.833
1866,	30.046	29.943	29.865	.831	.686	.588	.652	.645	.611	.847	30.011	.095	.820
1867,	30.081	30.001	29.889	.892	.613	.620	.612	.632	.617	.930	.161	.158	.843
1868,	.105	.067	30.003	.930	.891	.650	.744	.685	.813	.957	.050	.126	.919
1869,	.157	.095	29.923	.919	.813	.707	.725	.738	.807	.891	.104	.075	.913
1870,	.096	.079	29.945	.871	.768	.791	.698	.689	.748	.909	.036	.048	.887
1871,	.063	.044	30.038	.897	.816	.709	.732	.691	.761	.864	.059	.181	.905
1872,	.133	.136	29.991	.919	.823	.762	.729	.698	.839	29.940	.078	.060	.926
1873,	.127	.142	30.093	29.938	.820	.737	.719	.803	.739	30.006	.154	.161	.953
1874,	.214	.134	30.059	30.024	.804	.824	.744	.781	.855	30.012	.187	.152	.983
1875,	.180	.139	30.042	29.904	.850	.755	.669	.681	.788	29.889	.051	.134	.923
1876,	.138	.046	29.975	29.864	.875	.826	.739	.752	29.878	30.051	.088	.177	.951
1877,	.257	.202	30.137	30.034	.866	.825	.758	.762	30.007	.127	.184	.175	30.028
1878,	.300	.278	.237	.094	.938	.853	.910	.927	29.872	.027	.147	.193	.065
1879,	.248	.188	.152	.053	.930	.894	.841	.884	.882	.095	.108	.201	.040
1880,	.261	.179	.202	.102	.950	.853	.797	.808	.927	.053	.259	.317	.060
1881,	.306	.202	.260	30.040	.992	.896	.808	.890	.928	30.017	.130	.225	.050
1882,	.267	.243	.202	29.985	.850	.773	.715	.713	.852	29.972	.119	.164	29.988
1883,	.187	.157	.054	.944	.859	.799	.745	.792	.955	30.112	.091	.228	.092
1884,	.211	.181	.027	.985	.866	.775	.754	.738	.798	.034	.113	.238	.972
1885,	.225	.155	.107	.954	.877	.784	.736	.727	.864	.023	.175	.154	.981
Mean,	30.171	30.124	30.062	29.947	29.843	29.763	29.752	29.737	29.817	29.983	30.107	30.157	29.953

Appendix E.

LIST OF METEOROLOGICAL STATIONS IN THE FAR EAST IN COMMUNICATION WITH THE HONGKONG OBSERVATORY IN 1885.

The meteorological stations mentioned below belong to the Imperial Maritime Customs of China with the following exceptions:—

Bolinao.—Eastern Extension A. & C. Telegraph Company.

Manila.—Jesuit Fathers.

Haiphong.—French Government.

Macao.—Portuguese Government.

Hongkong.—British Colonial Government.

Nagasaki.—Japanese Government.

Yuensan.—Korean Government.

Fusan.—Korean Government.

Wladivostock.—Russian Government.

Stations marked T report only through telegraph except when otherwise mentioned. The telegrams comprise readings of the barometer, attached, dry and damp thermometers, the direction and force (0-12) of the wind, the amount of rain, and the weather (Beaufort notation) at 10 a. and 4 p. From stations marked O observations made at other hours are occasionally received. Stations marked V have been visited by me.

Stations marked A began in the course of 1885 observations with instruments of uniform and approved construction including standard barometer, dry, damp, maximum, minimum, black bulb and grass minimum thermometers and rain-gauge. Those instruments were unpacked, verified and wooden screens constructed under my superintendence and they were distributed from the Custom House at Amoy, from which were issued also instructions for making and forms for entering the observations arranged by the Commissioner of Customs in accordance with my suggestions. The returns are received through and suggestions usually addressed to the Commissioner at Amoy. The observations are made at 3 a, 6 a, 9 a, noon, 3 p, 6 p, 9 p and midnight except at the following stations, where observations are made only at the hours named:—

Pakhoi,.....8 a, Noon, 4 p.

Kiungchow,.....7 a, 10 a, 1 p, 4 p, 7 p.

Swatow, ...3 a, 9 a, 3 p, 9 p.

Tamsui, ...6 a, 9 a, noon, 3 p, 6 p.

Keelung, ...6 a, 9 a, noon, 3 p, 6 p.

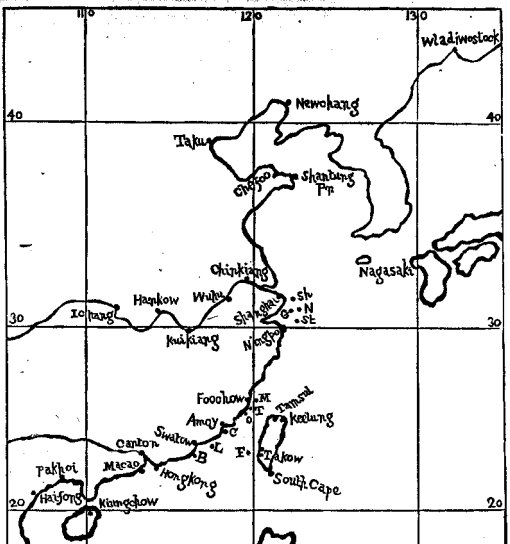
Anping, ...6 a, 9 a, noon, 3 p, 6 p, 9 p.

Stations marked H began before the end of 1885 observations with instruments of approved construction, bought in Hongkong and verified here, the thermometers being exposed in screens also forwarded from here, similar to those in use at stations marked A. Similar instructions were issued to the observers by the Commissioner of Customs at Hankow, but he adopted a different form of entry and the hours are 10 a. 4 p. and 10 p. Stations marked S were in 1884 supplied with standard barometers, compared under the supervision of the Harbour Master at the Custom House in Shanghai. The hours are the same as at stations marked A.

In Takow observations are made at 9.30 a, noon and 3.30 p, in Ningpo at 4 a, 8 a, noon, 4 p, 8 p, and midnight. At Chinkiang, NE Shantung Promontory, SE Shantung Promontory, Chefoo, Howki, Taku and Newchwang observations are made at every three hours but the instruments are of inferior construction, exposed in various manners and the observations very much inferior to those marked A or H.

In Macao observations are made at 4 a, 10 a, 1 p, 4 p and 10 p. In Fusan and Yuensan observations are made at the same hours as at stations marked A or S.

In the accompanying woodcut B means Breaker Point; L Lamocks; C Chapel Island; F Fisher Island; O Ockseu; T Turnabout; M Middle Dog; Sh Shawcishan; G Gutzlaff; N North Saddle and St. Steep Island.



Meteorological Stations reporting to HongKong Observatory 1885

The approximate latitudes (North) and the approximate longitudes (East of Greenwich) of tl stations are as follows :—

1 Bolinao (T O)	16°24′,	119°55′
2 Manila (T)	14 36,	120 58
3 Haiphong (T)	20 52,	106 40
4 Pakhoi (A)	21 29,	109 6
5 Kiungchow (Hoihow) (A)	20 3,	110 20
6 Macao (OV)	22 11,	113 33
7 Canton (A)	23 7,	113 17
8 Hongkong (V)	22 18,	114 10
9 Breaker Point (A)	22 56,	116 28
10 Swatow (A V)	23 20,	116 43
11 Lamocks (A)	23 15,	117 18
12 Chapel Island (A)	24 10,	118 13
13 Amoy (T A V)	24 27,	118 4
14 Dodd Island (O)	24 26,	118 29
15 Ockseu (A V)	24 59,	119 28
16 Turnabout (A V)	25 26,	119 59
17 Middle Dog (A V)	25 58,	120 2
18 Foochow (T A)	26 8,	119 38
19 South Cape (A V)	21 55,	120 51
20 Takow (V)	22 36,	120 16
21 Anping (A V)	22 59,	120 13
22 Fisher Island (A V)	23 33,	119 28
23 Tamsui (A)	25 10,	121 25
24 Keelung (A)	25° 8′,	121°4
25 Ningpo	29 58,	121 4
26 Shanghai (T V)	31 15,	121 2
27 Shaweishan (S)	31 25,	122 1
28 Gutzlaff (S)	30 49,	122 1
29 North Saddle (S)	30 52,	122 4
30 Steep Island (S)	30 12,	122 3
31 Chinkiang (V)	32 12,	119 3
32 Wuhu (H V)	31 22,	118 2
33 Kiukiang (H V)	29 43,	116
34 Hankow (H V)	30 33,	114 2
35 Ichang (H)	30 12,	111 1
36 Chefoo	37 34,	121 3
37 Howki	38 4,	120 3
38 NE Shantung Promontory	37 24,	122 4
39 SE " "	36 54,	122 3
40 Taku	38 53,	117 5
41 Newchwang	40 35,	122
42 Nagasaki (T)	32 45,	129 5
43 Fusan	35 5,	129
44 Yuensan	39 9,	127 3
45 Wladivostock (T)	43 2,	131 5

Hongkong Observatory, 22nd April, 1886.

W. Doberck,
Government Astronomer.

Appendix F.

MAGNETIC OBSERVATIONS MADE DURING THE YEAR 1885.

The observations of Declination and Horizontal Force were all made with the Kew pattern Unifilar Magnetometer Elliott Brothers No. 55. The dip observations were made with the dip-circle, Dover No. 71, partly with two new steel needles, No. 5 and No. 6, the axes of which I caused to be made of chilled steel metal in 1884. There is no doubt, that by selecting proper pieces of this metal, the maker could produce axes turned as accurately as those made of steel, and I can recommend such needles for use on expeditions and in damp climates. Observations were made also with needles No. 1 and No. 2, after they had been repaired and furnished with new axes by Dover.

The circle-reading on the Unifilar Magnetometer corresponding to true north was determined by observations of Polaris reflected from the speculum. Observations of the Sun near the first vertical, looking alternately towards and away from the Sun, were found to agree with the observations of Polaris but were discontinued as being less accurate than the latter.

The observations of Horizontal Force are expressed in C. G. S. Units (one centimeter, one gramme, one second) but the monthly synopsis exhibits X, the Horizontal, as well as Y, the Vertical, and the Total Forces (which latter have been computed by aid of the observed Dips): also in English Units, (one foot, one grain, one second) and in Gauss's Units (one millimeter, one milligramme, one second). The value of log π^2 K at 20° Cent. adopted was 3.44975 in January and 3.44904 in December. The values for the intermediate months have been interpolated. The Induction-coefficient is 4.917. The reduction of m, the magnetic moment of the vibrating magnet at a temperature of t° Cent. to the freezing point of water is: $+0.000\,260t + 0.000\,002\,44t^2$.

The distances between the centres of the deflecting and the deflected magnets are expressed in centimeters and the value of the constant P employed in the formula of reduction: $\frac{m}{X} = \frac{m'}{X'^2}\left(1 - \frac{P}{r^2}\right)$ is: $+8.3424$.

The times of vibration exhibited in the table are each derived from 12 observations of the time occupied by the magnet in making 100 vibrations, corrections having been applied for rate of chronometer and arc of vibration.

The mean value of the magnetic moment of the vibrating magnet was 0.51641 in English Units and 674.25 in C. G. S. Units.

OBSERVATIONS OF MAGNETIC DECLINATION AND DIP.

1885.	H. K. M. T.	Declination, East.	Observer.	H. K. M. T.	A.	B.	Dip, North.	Needle.	Observer.
January, ...	17ᵈ 3ʰ 0ᵐ p	6° 45′ 36″	W.D.	24ᵈ 3ʰ 50ᵐ p	32° 28′.36	90° 0′.00	32° 28′.36	No. 5	W.D.
				24 4 15 p	32 28.39	,,	28.39	6	,,
February, ...	15 2 3 p	0 46 13	,,	13 3 46 p	32 21.25	,,	21.25	5	,,
	17 2 40 p	0 45 29	,,	13 3 46 p	32 26.75	,,	26.75	6	,,
				17 3 30 p	32 23.12	,,	23.12	6	,,
March, ...	17 2 25 p	0 45 34	,,	15 3 0 p	41 34.40	42 6.40	24.70	5	,,
				15 3 0 p	41 50.30	41 55.75	22.71	6	,,
				12 4 0 p	32 23.15	90 0.00	23.15	5	,,
April, ...	18 2 55 p	0 41 45	,,	18 4 10 p	32 28.67	,,	28.67	6	,,
May, ...	18 2 50 p	0 43 45	F.G.F.	16 3 15 p	32 27.85	,,	27.85	5	F.G.F.
				16 4 0 p	32 29.93	,,	29.93	6	,,
June, ...	16 2 50 p	0 43 55	,,	17 3 17 p	32 26.50	,,	26.50	5	,,
				17 4 5 p	32 30.35	,,	30.35	6	,,
July, ...	15 2 55 p	0 45 56	,,	16 3 47 p	32 25.15	,,	25.15	1	,,
				16 4 35 p	32 27.61	,,	27.61	2	,,
				17 4 5 p	32 22.52	,,	22.52	5	,,
				17 4 45 p	32 28.08	,,	28.08	6	,,
August, ...	...	...	...	31 3 50 p	32 28.02	,,	28.02	1	,,
				31 4 35 p	32 28.41	,,	28.41	2	,,
September, ...	1 3 27 p	0 41 14	,,	...	...	...	...	...	...
October, ...	17 3 8 p	0 45 49	,,	17 4 5 p	32 26.92	,,	26.92	1	,,
				17 4 47 p	32 27.42	,,	27.42	2	,,
November, ...	17 3 0 p	0 47 46	,,	16 3 25 p	32 27.37	,,	27.37	1	,,
				16 4 15 p	32 26.34	,,	26.34	2	,,
December, ...	15 2 40 p	0 45 23	W.D.	14 2 36 p	32 23.67	,,	23.67	1	W.D.
	17 2 20 p	0 45 8	,,	14 3 14 p	32 22.44	,,	22.44	2	,,
				16 3 29 p	32 22.08	,,	22.08	5	,,
				16 3 29 p	32 22.72	,,	22.72	6	,,

OBSERVATIONS OF HORIZONTAL MAGNETIC FORCE.

Date.	H. K. M. T.	Time of one vibration.	Temperature, Cent.	Log m X	Value of m	H. K. M. T.	Distance in centimeters.	Temperature, Cent.	Deflection.	Log $\frac{m}{X}$ Mean.	Value of X	Observer.
1895.												
January 16,	2h 37m p	3.3812	15°.6	2.39213	684.26	2h 38m p	30	15.°6	8° 7′ 4″	3.27832	0.36050	W.D
							40		3 23 47			"
February 16,	3 14 p	3.3846	15.4	2.39135	682.62	3 13 p	30	15.8	8 5 59	3.27701	0.36072	"
							40		3 22 57			"
March 16,	2 24 p	3.3917	18.85	2.39000	682.70	2 24 p	30	17.6	8 6 46	3.27846	0.35956	"
							40		3 23 42			"
April 17,	3 46 p	3.3972	27.1	2.38997	681.71	4 20 p	30	25.6	8 3 4	3.27722	0.36007	"
							40		3 22 44			"
May 15,	3 15 p	3.4012	29.5	2.38848	679.39	4 7 p	30	28.5	8 0 40	3.27577	0.36005	F.G.F.
							40		3 21 52			"
June 16,	3 9 p	3.4102	29.9	2.38696	676.61	4 7 p	30	29.0	7 58 19	3.27372	0.36027	"
							40		3 20 51			"
July 15,	3 20 p	3.4194	33.4	2.38518	673.77	4 11 p	30	30.9	7 55 57	3.27184	0.36031	"
							40		3 19 45			"
September 1,	3 52 p	3.4312	29.7	2.38140	668.67	6 1 p	30	27.75	7 53 16	3.26903	0.35990	"
							40		3 18 52			"
October, 15,	3 16 p	3.4408	28.55	2.37866	664.34	4 1 p	30	27.1	7 50 40	3.26611	0.35998	"
							40		3 17 24			"
November 14,	3 5 p	3.4416	24.15	2.37762	662.02	3 47 p	30	22.5	7 49 45	3.26413	0.36037	"
							40		3 16 45			"
December 15,	2 57 p	3.4435	24.3	2.37707	660.68	3 39 p	30	23.35	7 48 30	3.26291	0.36064	W.D.
							40		3 16 2			"

RESULTS OF MAGNETIC OBSERVATIONS IN 1885.

Month. 1885.	Declination, East.	Dip, North.	MAGNETIC FORCE. English Units. X	Y	Total Force.	Metric Units. X	Y	Total Force.	C. G. S. Units. X	Y	Total Force.
January, ...	0°45′.36″	32°28′ 22″	7.8186	4.9758	9.2676	3.6050	2.2943	4.2732	0.36050	0.22943	0.42732
February, ...	45 51	23 43	7.8233	4.9639	9.2653	3.6072	2.2887	4.2721	.36072	.22887	.42721
March, ...	45 34	23 45	7.7982	4.9480	9.2355	3.5956	2.2814	4.2583	.35956	.22814	.42583
April, ...	41 45	25 55	7.8090	4.9619	9.2520	3.6007	2.2878	4.2660	.36007	.22878	.42660
May, ...	43 45	28 53	7.8087	4.9712	9.2568	3.6005	2.2922	4.2682	.36005	.22922	.42682
June, ...	43 55	28 26	7.8134	4.9728	9.2612	3.6027	2.2929	4.2702	.36027	.22929	.42702
July, ...	45 56	25 50	7.8143	4.9649	9.2582	3.6031	2.2892	4.2688	.36031	.22892	.42688
August, ...	45 20	27 2	7.8099	4.9660	9.2550	3.6010	2.2897	4.2673	.36010	.22897	.42673
September, ...	45 17	27 42	7.8064	4.9659	9.2519	3.5994	2.2897	4.2659	.35994	.22897	.42659
October, ...	45 49	27 10	7.8073	4.9648	9.2520	3.5998	2.2891	4.2660	.35998	.22891	.42660
November, ...	47 46	26 51	7.8156	4.9690	9.2615	3.6037	2.2911	4.2703	.36037	.22911	.42703
December, ...	45 23	22 44	7.8217	4.9598	9.2617	3.6064	2.2868	4.2704	.36064	.22868	.42704
Mean, ...	0 45 10	32 26 22	7.8122	4.9653	9.2566	3.6021	2.2894	4.2681	0.36021	0.22894	0.42681

W. DOBERCK,
Government Astronomer.

Hongkong Observatory, 20th January, 1886.

Appendix G.

ON THE VERIFICATION OF THE UNIFILAR MAGNETOMETER ELLIOTT BROTHERS. No. 55.

T_o = Observed time of one vibration of the magnet expressed in seconds.
T_1 = T_o corrected for rate of chronometer and arc of vibration.
T = T_1 corrected for torsion and induction and reduced to 0° cent.
T_e = Observed and corrected time of one vibration with inertia cylinder in position.
ρ = Daily rate of chronometer in seconds.
a = Semi-arc of vibration at the beginning of the observation in parts of radius.
a' = " " " end " " " "
$\frac{H}{F}$ = Ratio of the force of torsion of the suspending thread to the magnetic directive force.
t = Temperature in degrees centigrade.
$qt + q't^2$ = Reduction to 0° of the magnetic moment of the magnet.
K = Moment of inertia of the magnet with its appendages.
m = Magnetic moment " " " "
W = Weight of the inertia-cylinder in grammes.
l = Length " " " centimeters.
d = Diameter " " " "
π = 3.14159.
μ = Increase in the magnetic moment produced by the inducing action of a magnetic force equal to one C. G. S. unit.
r_o = Observed distance between centres of deflecting and deflected magnets.
r = $r_o\,(1 + 0.000\,018\,t) = r_o$ reduced to 0°.
u_o = Observed angle of deflection.
P = A constant depending upon the distribution of magnetism in the two magnets.
X = Horizontal component of the earths magnetic force in C. G. S. Units.

$\frac{m_o}{X_o} = \frac{1}{2} r^3 \sin u_o$.

$\frac{m_1}{X_1} = \frac{m_o}{X_o}$ corrected for induction and reduced to 0°.

$\frac{m}{X} = \frac{m_1}{X_1}\left(1 - \frac{P}{r_o^3}\right)$.

A = Mean value of $\frac{m_1}{X_1}$ from deflections at 30 centimeters made during the year.
A_1 = " " " " 40 " " "

The formulæ for the calculation of the value of the horizontal component of the earth's magnetic force and of the value of the magnetic moment of a magnet are:—

$$T_1 = T_o\left(1 \mp \frac{\rho}{86400} - \frac{aa'}{16}\right)$$

where the upper sign is used, when the chronometer is gaining, and the lower, when it is losing.

$$T^2 = T_1^2\left(1 + \frac{H}{F} - qt - q't^2 + \mu\frac{X_o}{m_o}\right)$$

$$mX = \frac{\pi^2 K}{T^2} \qquad \frac{m_o}{X_o} = \frac{1}{2} r^3 \sin u_o$$

$$\frac{m_1}{X_1} = \frac{m_o}{X_o}\left(1 + \frac{2\mu}{r_o^3} + qt + q't^2\right) \qquad \frac{m}{X} = \frac{m_1}{X_1}\left(1 - \frac{P}{r_o^3}\right)$$

$$K = W\left(\frac{l^2}{12} + \frac{d^2}{16}\right)\frac{T_e^2}{T_e^2 - T^2} \qquad P = \frac{100\,(A - A_1)}{\frac{A}{9} - \frac{A_1}{16}}$$

I compared the deflection bar with the standard at Kew and found it correct. At the same time the following constants were determined:—

$$W = 62.63 \text{ grammes}, \; l = 9.4214 \text{ centimeters}, \; d = 1.0006 \text{ centimeters}.$$

The angular value of one scale division of the vibrating magnet = 110″.66.

" " " " " " " deflection apparatus = 60″.46.

When the scale reading is above the middle of the scale, the correction to the circle reading is additive, and when below it is subtractive.

The induction coefficient in C. G. S. Units adopted is $\mu = 4.917$ (Log. $\mu = 0.6917$) being the mean of the following determinations:—

Vertical induction:				Horizontal induction:			
1886, January	1,	μ =	5.04	1886, January	8,	μ =	4.68
" "	5,	=	5.07	" "	9,	=	4.74
" "	8,	=	5.26				

The value of $1 + \frac{2\mu}{r_0^3}$ is = 1.000 364 for r = 30 and = 1.000 154 for r = 40 centimeters.

The reduction to 0° is = 0.000 260t + 0.000 002 44 t^2

This is the mean of the following determinations:—

Date.	*Temperatures of testing.*	*Reduction.*
1885, December 28,	10°, 25°, 40°	+ 0.000 241t + 0.000 002 81 t^2
" " 30,	0 , 20 , 40	+ 0.000 254t + 0.000 002 44 t^2
1886, January 11,	5 , 20 , 35	+ 0.000 285t + 0.000 002 07 t^2

This formula evidently depends to some extent upon the temperatures, at which the magnet is tested, as the coefficient of the cube of the temperature is not taken into account.

TABLE I.

Value of $\frac{\rho}{86400}$

ρ	$\frac{\rho}{86400}$
1 sec.	0.00001
2	2
3	3
4	5
5	6
6	7
7	8
8	9
9	10
10	0.00012

TABLE II.

Value of $\frac{aa'}{16}$

Semi-arc at commencement.	Semi-arc at end of observation in scale divisions.				
	35d	30d	25d	20d	15d
40d	.00003	.00002	.00002	.00001	.00001
35	...	.00002	.00002	.00001	.00001
30	...	...	.00002	.00001	.00001
25	...	...	...	.00001	.00001

TABLE III.

Value of $1 + \frac{H}{F}$ for different values of the deflection produced by a twist of 90° of the suspending thread.

Effect of 90° torsion.	$1 + \frac{H}{F}$
0.25 div.	1.00008
0.50	1.00017
0.75	1.00025
1.00	1.00034
1.25	1.00043
1.50	1.00052
1.75	1.00060
2.00	1.00068
2.25	1.00077
2.50	1.00086
2.75	1.00094
3.00	1.00103

TABLE IV.

Reduction to 0°

t	$qt + q' t^2$	t	$qt + q' t^2$
+ 14°	+ .00412	+ 27°	+ .00881
15	.00446	28	.00920
16	.00480	29	.00960
17	.00514	30	.01001
18	.00549	31	.01042
19	.00584	32	.01084
20	.00619	33	.01126
21	.00655	34	.01168
22	.00692	35	.01211
23	.00729	36	.01254
24	.00766	37	.01297
25	.00804	38	.01341
26	.00842	39	.01385
+ 27	.00881	+ 40	.01430

TABLE V.

Value of $\log \frac{1}{2} r^2$ at different temperatures.

t	$r_0 = 30$	$r_0 = 40$
0°	4.13033	4.50515
5	4.13045	4.50527
10	4.13057	4.50538
15	4.13069	4.50550
20	4.13080	4.50562
25	4.13092	4.50574
30	4.13104	4.50585
35	4.13116	4.50597
40	4.13127	4.50609

On the determination of the declination.

The zero or true north point on the horizontal circle of the magnetometer is ascertained as follows from observations of Polaris. The horizontality of the axis of the speculum having been verified, the speculum is placed vertically and revolved round its vertical axis till the image of the wires, which are illuminated by a lamp held beside the collimating eye-piece of the telescope, appears in the field. The speculum is turned by its slow motion screw till the image of the vertical wire is covered by the latter itself. The instrument is then revolved round its vertical and the speculum round its horizontal axis till the image of Polaris is bisected by the wires, and both verniers of the circle are then read. This operation is repeated after reversing the mirror on its pivots. The speculum is then turned half a circumference round its vertical axis and the operation repeated directly and again after reversing the mirror on its pivots. The image of the vertical wire is therefore four times covered by the wire.

The mean of the eight readings and the corresponding four times indicated by the chronometer, whose error is known, are respectively taken. The azimuth of Polaris: A, counted from true north, corresponding to the mean of the times is calculated by the equations :—

$$\tan M = \tan \delta \sec t \qquad \tan A = \cos M \tan t \operatorname{cosec} (\phi - M)$$

where δ is the declination, t the hour angle of Polaris, and ϕ the latitude.

On the determination of the temperature correction.

The deflecting magnet was fixed in the middle of a water-tight wooden box placed on a bar fixed like the deflection bar, and the magnetometer was revolved till the two magnets were at right angles to each other. The magnetometer was then clamped and the circle read off. The difference between this reading (magnet placed) and the reading before the deflector was placed (magnet away) being $=u$. Water at the highest of the three temperatures chosen was now poured into the box, and a thermometer, whose error had been previously determined, moved about therein. As soon as the temperature, t_3, became constant, the scale was read, the angle of deflection being now $=u_3$. Water at the next temperature, t_2, was then substituted, and the corresponding angle of deflection, u_2, determined. Water at the lowest temperature, t_1, was then substituted, the corresponding deflection being $=u_1$. The magnet, whose ends were of course left open, was found to assume the temperature of the water as soon as this became uniform.

The temperature co-efficients q and q′ were then calculated from Balfour Stewart's equations (Comp. G. M. Whipple: "On the Temperature-correction and Induction-coefficients of Magnets," in proceedings of the Royal Society, No. 181, 1877):—

$$x\,(t_3 - t_1) + y\,(t_3 - t_1)^2 = \sin u_3 - \sin u_1$$

$$x\,(t_2 - t_1) + y\,(t_2 - t_1)^2 = \sin u_2 - \sin u_1$$

$$q = x \operatorname{cosec} u \qquad q' = y \operatorname{cosec} u$$

The operation was repeated and the readings corrected for change of declination. The correction being obtained in the form: $q\,(t - t_1) + q'\,(t - t_1)^2$ suitable for reducing the magnetic moment to t_1 degrees was converted to the form: $q\,t + q'\,t^2$, for reducing to 0°, by aid of the corrections corresponding to 0°, 20° and 40° calculated from the former formula.

Specimen of observations. 11th January, 1886.

Magnet away (at commencement)	64°	58′	55″	u=18° 56′ 30″
" placed	46	2	5	Decl. increasing.
" away (at end)	64	59	20	45″ in one hour.

Scale d.	Temp. Fahr. °	Scale d.	Temp. Fahr. °				
204.8	94.8	205.5	95.4	u_1=18°	56′	30″ at	5°.0 Cent.
204.7	95.2	205.4	94.9	u_2=18	50	30 at	20°.0 "
204.75	95.1	205.2	94.7	u_3=18	43	30 at	35°.0 "
197.8	67.8	198.0	67.6				
197.9	67.9	198.4	67.8				
197.8	68.1	198.4	68.2				
197.9	68.2	198.3	68.4				
191.1	40.5	192.4	40.6				
191.8	41.2	192.4	40.9				
191.85	41.4	192.5	41.3				

Reduction to 5°.0: $+ \cdot 000\,305\,9\,(t - 5°) + \cdot 000\,002\,06\,(t - 5°)^2$

" to 0°.0: $+ \cdot 000\,285\,t + \cdot 000\,002\,07\,t^2$

On the determination of the Induction-coefficient.

The induction coefficient is, after Lamont's method, determined from deflections, the magnet being placed with its N-pole alternately upwards and downwards at the same distance from the suspended needle. But as the vertical force is small in Hongkong, the apparatus was arranged for also observing horizontal induction, the magnet being then placed with its N-pole alternately northwards and southwards.

Let m be the magnet moment of the magnet

" X " " horizontal force.

" i " " dip.

" ϕ " " deflection, N-pole of magnet respectively downwards or northwards.

" ϕ' " " deflection, N-pole of magnet respectively upwards or southwards.

The formulæ for calculating μ, the increase of the moment of the magnet by the action of an inducing force equal to a C. G. S. unity are then, for vertical induction :—

$$\mu = \frac{m}{\tan i \, X} \frac{\tan \frac{1}{2}(\phi - \phi')}{\tan \frac{1}{2}(\phi + \phi')}$$

and for horizontal induction :—

$$\mu = \tan i \, \frac{m \tan \frac{1}{2}(\phi - \phi')}{X \tan \frac{1}{2}(\phi + \phi')}$$

A short bar is fixed on the magnetometer in the same manner as the bar used in the deflections. There is at the end of this bar a pivot at about the same height as the deflected needle. The latter is if necessary raised or lowered by aid of the suspending thread. On the pivot the deflection bar is firmly fixed, so as to remain vertical to the short bar when turned on the pivot. On the deflection bar slides a carriage, that can be firmly screwed at any distance from the pivot. The deflecting magnet is fixed on this carriage and may be turned round its centre in a plane vertical to the fixed bar.

In order to investigate the vertical induction the deflection bar is placed vertical and the magnet above with its N-pole upwards. The magnetometer is then turned, till the central division on the scale appears near the middle of the field in the telescope. The verniers and also the scale are read. The deflection bar is then revolved half a circumference till the magnet is below with its N pole downwards. The scale is read and the operation repeated. Then the magnet is turned half a circumference on its axis, the magnetometer revolved till the central division appears in the middle of the field and the analogous operation performed. The short bar (with the deflection bar and magnet, which are not disturbed) is then reversed and the operations performed on the opposite side of the deflected needle.

In order to investigate the horizontal induction the deflection bar is placed horizontal and the analogous operations performed on both sides of the needle. As the horizontal force is so much greater than the vertical force in Hongkong, the latter method is more accurate than the former, although the needle is found to tremble more when the deflection bar is horizontal, than when it is vertical. It is assumed, that the induced magnetism is distributed in the same manner as the permanent magnetism, and the small difference between the values of the coefficient derived from the vertical and horizontal inductions respectively, is no doubt due to the want of perfect accuracy of this assumption, but the difference is almost insensible.

Specimen of Observations, 8th January, 1886.

Vertical Induction :—

Deflector East.				Deflector West.			
N-pole.	Magnet.	Circle.	Scale.	N-pole.	Magnet.	Circle.	Scale.
up	above	74° 31′ 30″	200.1	up	above	55° 27′ 35″	200.0
down	below		204.1	down	below		195.7
up	above		200.0	up	above		200.0
down	below		204.2	down	below		196.0
up	above		200.1	up	above		200.1
down	below		204.4	down	below		195.9
down	above	55° 20′ 45″	199.9	down	above	74° 40′ 0″	199.8
up	below		200.2	up	below		200.0
down	above		200.1	down	above		199.6
up	below		200.3	up	below		200.1
down	above		200.3	down	above		199.8
up	below		200.45	up	below		200.05

Horizontal Induction :—

Deflector East.				Deflector West.			
N-pole.	Magnet.	Circle.	Scale.	N-pole.	Magnet.	Circle.	Scale.
s	s	74° 30′ 40″	200.0	n	s	74° 42′ 20″	194.0
n	n		200.3	s	n		197.0
s	s		199.6	n	s		194.1
n	n		200.0	s	n		196.9
s	s		199.6	n	s		194.1
n	n		200.2	s	n		197.1
n	s	55° 33′ 40″	186.0	s	s	55° 33′ 45″	200.0
s	n		192.55	n	n		190.9
n	s		186.0	s	s		199.7
s	n		192.7	n	n		190.8
n	s		186.05	s	s		199.5
s	n		192.5	n	n		190.0

Vertical Induction :—

Deflector	East,	N-pole	-up.	magnet	above :	74° 31′ 26″
,,	,,	,,	down,	,,	below :	74° 27′ 14″
,,	,,	,,	down.	,,	above :	55° 20′ 39″
,,	,,	,,	up,	,,	below :	55° 20′ 25″
,,	West,	,,	up,	,,	above :	55° 27′ 33″
,,	,,	,,	down,	,,	below :	55° 31′ 45″
,,	,,	,,	down,	,,	above :	74° 40′ 17″
,,	,,	,,	up,	,,	below :	74° 39′ 57″

$\frac{1}{2}(\phi + \phi') = 9° 34' 49''$ $\frac{1}{2}(\phi - \phi') = 0° 1' 3.''75$ $\mu = 5.265.$

Horizontal Induction :—

Deflector	East,	N-pole	south.	magnet	south 71° 30′ 57″
,,	,,	,,	north.	,,	north 74° 30′ 42″
,,	,,	,,	south,	,,	north 55° 41′ 9″
,,	,,	,,	north.	,,	south 55° 47′ 45″
,,	West.	,,	south.	,,	south 55° 34′ 2″
,,	,,	,,	north.	,,	north 55° 43′ 15″
,,	,,	,,	south,	,,	north 74° 45′ 21″
,,	,,	,,	north,	,,	south 74° 48′ 18″

$\frac{1}{2}(\phi + \phi') = 9° 28' 38''$ $\frac{1}{2}(\phi - \phi') = 0° 2' 18''.9$ $\mu = 4.68.$

The values of tan i and m adopted were the means of the preceding and the following monthl determinations.

Hongkong Observatory, *25th January*, 1886.

W. Doberck,
Government Astronomer.