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HONGKONG OBSERVATORY,

8th February, 1889.

SIR,—For the information of His Excellency the Governor I have the honour to forward my Annual Report for 1888.

2. * * * *

3. A report containing exhaustive investigations of the typhoons of 1886 and 1887 with five plates representing their paths has been printed. Father FAURA was good enough to send me the paths of typhoons in the Philippine Islands in 1887, which were used for that district and the Tokio weather-maps were used for the Japanese Archipelago. This reduced the amount of work that fell to my share, but the typhoons in the Pacific Ocean had to be investigated here as sufficient information does not appear to have been available at the other observatories.

4. Information concerning the typhoons of 1888 has been collected and the observations are being reduced and tabulated. In addition to the observations furnished by stations on shore, the logs of 139 different vessels containing entries on 1712 days (counting those made on board different ships on same date separately) are available. A number of log-books have of course been looked through without entries bearing on typhoons having been found. The final investigation of the typhoons of 1888 will probably be ready next year. It should be remembered that although the typhoons are exhaustively investigated here,—that does not imply the complete elaboration of all that might be done by aid of the meteorological data at my disposal. An immense quantity of information bearing on the meteorology of China is collected here, that is not utilized for lack of clerks to take it in hand, and this cannot fail to affect the results of researches on typhoons for there are certain questions connected with this subject that cannot be answered in the absence of a complete discussion of the climate of China.

5. * * * *

6. * * * *

7. That this requirement is fully recognised everywhere else in the Empire and properly provided for may be seen *e.g.* from the following extract from the Report on the Administration of the Meteorological Department of the Government of India in 1887–88 (Page 16 §7). "In order to facilitate and expedite the working of these arrangements, the Telegraph Department has granted the privilege of Precedence urgency to telegrams referring to stormy weather and the hoisting of storm-signals between the Meteorological Reporter of Calcutta and the Port Officers and Meteorological Superintendents of Cocanada, Gopalpur, Madras, Masulipatam, Negapatam and Vizagapatam. The names of other officers will be added to this list as found necessary for the proper working of the system. Instructions for the preparation and dispatch of the telegrams in proper form, in order to secure priority of transmission to ordinary urgent messages, will be sent by the India Meteorological Office to the various officers permitted to send them."

8. My pamphlet on the *Law of Storms in the Eastern Seas* as well as my reports on typhoons have been widely utilized by scientific and nautical authorities over the world. The former has been repeatedly reprinted and translated into foreign languages *e.g.* together with the *Instructions for making Meteorological Observations, etc.* by order of the Inspector General of the Imperial Chinese Maritime Customs, for the use of residents in China. Writers very rarely make use of such reports without due reference to the Observatory from which they emanated, but in a paper in the Annalen der Hydrographie (Berlin, 1887 XV page 333) the substance of my pamphlet has been republished and even paths of typhoons, which were constructed at the expense of the Colonial Government, have been reproduced

without any reference to this Observatory. However I am informed that this was due to an oversight. The fact that the wind in a typhoon blows from a direction 12 points distant from the bearing of the centre was first ascertained and proved here, but it will of course take some time before masters of vessels become familiar with this result, though its practical importance is being appreciated by degrees.

9. During the past typhoon season, in addition to those hitherto supplied, meteorological observations were telegraphed twice a day from Macao through the cable of the Eastern Extension, Australasia and China Telegraph Company and also from Tokio in Japan through the cable of the Great Northern Telegraph Company. An attempt was made to have them forwarded from Canton, Hoihow (Hainan) etc. through the Chinese telegraph lines, but although they were sent by order of the Chinese authorities as often as there was communication, the experiment was not invariably successful. Messages from Saigon and more information from the Philippines would be useful. It is a pity that while other countries in the Far East are being meteorologically explored, the Philippines remain scientifically almost a terra incognita.

10. As stated in the "Instructions for making Meteorological Observations, etc." meteorological instruments forwarded by observers, who regularly send their registers to this Observatory, are verified here free of cost. During the past year, the following number of instruments has been verified and certificates issued. Barometers: 1, Thermometers: 5, Anemometers: 1.

11. The index errors of barometers read off on board ship are determined whenever required by comparing readings made near this port with the barograms.

12. The number of transits observed during the past year was 232, and the inclination of the axis was determined 91 times. The tick of the sidereal standard clock is heard in the transit room through a telephone. A microphone is placed on top of the case and this is connected with the telephone through an induction coil. Telephones are also used for speaking to the Assistant in the ball-tower at Tsim-sha-tsui through the time wire. The wires in the transit instrument were illuminated by a small electric light. Electric testing apparatus are being procured from England.

13. The rate of the sidereal standard clock during upwards of two years has been investigated. The rate was represented by the following formula, where t means the number of days elapsed since the 12th September, 1885, and τ the temperature in degrees Fahrenheit:

$$R_c = -0^s.56 - 0^s.00655t + 0^s.00000420\,t^2 - 0^s.063\,(\tau - 70^\circ).$$

The details are published in Astr. Nachr. No. 2868 and also in 'The Observatory' for September, 1888. The mean daily rates during ten day periods in 1888 are exhibited in the following table, where — means gaining and + losing rate. The rates are represented by the following formula:

$$R_c = +\,0^s.45 - 0^s.00261\,t + 0^s.0000120t^2 - 0^s.063\,(\tau - 70^\circ)$$

where t is counted from the 28th June, 1888. It will be remarked that the acceleration of the clock-rate has decreased and should now cease according to the formula. The observed rate minus the computed rate is exhibited under the heading $R_o - R_c$. The figures show certain fluctuations of rate of rather long period.

TABLE I.

Rate of Sidereal Standard Clock in 1888.

Period.	Temp.	Rate.	R_o-R_c.	Period.	Temp.	Rate.	R_o-R_c.
December 26– 5,.....	64.°8	+1.ˢ41	−0.ˢ23	July 3–13,.....	83.°1	−0.ˢ38	+0.ˢ03
January 5–15,.....	66. 2	+1. 28	−0. 20	„ 13–23,.....	84. 0	−0. 47	+0. 01
„ 15–25,.....	66. 3	+1. 19	−0. 20	„ 23– 2,.....	85. 6	−0. 56	+0. 04
„ 25– 4,.....	64. 6	+1. 41	−0. 05	August 2–12,.....	84. 6	−0. 49	+0. 07
February 4–14,.....	65. 1	+1. 46	+0. 10	„ 12–22,.....	81. 5	−0. 45	−0. 07
„ 14–24,.....	65. 7	+1. 43	+0. 17	„ 22– 1,.....	83. 2	−0. 43	+0. 06
„ 24– 5,.....	65. 9	+1. 32	+0. 12	September 1–11,.....	84. 1	−0. 48	+0. 09
March 5–15,.....	65. 9	+1. 24	+0. 09	„ 11–21,.....	82. 1	−0. 39	+0. 05
„ 15–25,.....	66. 2	+1. 15	+0. 08	„ 21– 1,.....	81. 0	−0. 33	+0. 04
„ 25– 4,.....	67. 6	+0. 99	+0. 06	October 1–11,.....	78. 3	−0. 22	−0. 02
April 4–14,.....	69. 3	+0. 84	+0. 06	„ 11–21,.....	78. 8	−0. 21	+0. 04
„ 14–24,.....	73. 8	+0. 52	+0. 07	„ 21–31,.....	72. 8	+0. 15	+0. 03
„ 24– 4,.....	79. 2	+0. 29	+0. 21	„ 31–10,.....	75. 6	+0. 12	+0. 16
May 4–14,.....	79. 5	+0. 28	+0. 27	November 10–20, ...	73. 2	+0. 17	+0. 05
„ 14–24,.....	80. 2	+0. 05	+0. 12	„ 20–30,...	72. 0	+0. 26	+0. 06
„ 24– 3,.....	80. 4	−0. 17	−0. 06	„ 30–10,.....	70. 9	+0. 28	−0. 01
June 3–13,.....	80. 0	−0. 24	−0. 11	December 10–20,.....	69. 4	+0. 23	−0. 16
„ 13–23,.....	80. 8	−0. 33	−0. 13	„ 20–30,.....	65. 2	+0. 48	−0. 19
„ 23– 3,.....	82. 3	−0. 37	−0. 04				

14. As stated in the time-ball notice published in the *Government Gazette* on the 10th January, 1885, the ball is not dropped on Sundays and on Government Holidays. The ball was dropped every working day in the past year except on the 17th, 19th, and 26th May and 26th June when it was not hoisted on account of thunderstorms, and on the 8th August the mast was found split, where two pieces were riveted together. The ball could not be hoisted on the 8th, 9th and 10th of that month, while under repair by the Public Works Department. There was not a single failure during the year.

TABLE II.

Errors of Time Ball in 1888.

— means too late. + means too early.

Date.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1,	...	−0.ˢ4	+0.ˢ2	...	0.ˢ1	0.ˢ1	...	+0.ˢ5	0.ˢ1	0.ˢ1	0.ˢ1	0.ˢ1
2,	...	−0.6	+0.3	...	0.1	0.1	0.ˢ1	+0.6	...	+0.2	−0.2	...
3,	−0.ˢ3	−0.8	+0.3	+0.ˢ5	0.1	...	0.1	0.1	−0.2	0.1	+0.2	0.1
4,	−0.5	0.1	...	+0.6	0.1	+0.2	0.1	0.1	0.1	0.1	...	−0.2
5,	0.1	...	+0.4	+0.6	0.1	0.1	−0.2	...	0.1	−0.2	0.1	−0.2
6,	0.1	0.1	+0.5	+0.7	...	0.1	0.1	...	+0.2	−0.2	0.1	0.1
7,	0.1	0.1	+0.5	+0.8	0.1	0.1	0.1	−0.3	+0.2	...	+0.2	0.1
8,	...	0.1	+0.3	...	0.1	0.1	...	...	+0.3	−0.4	+0.3	0.1
9,	0.1	0.1	+0.4	+1.0	0.1	0.1	0.1	...	...	−0.5	+0.4	...
10,	0.1	0.1	+0.5	+1.1	0.1	...	−0.2	...	0.1	−0.6	+0.6	+0.2
11,	+0.2	0.1	...	+1.2	0.1	0.1	−0.2	+0.3	0.1	0.1	...	0.1
12,	0.1	...	+0.7	+1.3	0.1	0.1	0.1	...	+0.2	0.1	+0.3	0.1
13,	0.1	...	0.1	+1.5	...	0.1	0.1	0.1	+0.3	0.1	0.1	0.1
14,	0.1	+0.3	+0.3	0.1	0.1	0.1	0.1	0.1	0.1	...	−0.2	0.1
15,	...	+0.3	+0.4	...	+0.2	0.1	...	0.1	−0.2	0.1	−0.3	0.1
16,	0.1	+0.4	+0.5	+0.3	+0.2	0.1	+0.2	0.1	...	0.1	0.1	...
17,	0.1	+0.4	+0.6	+0.3	...	...	+0.2	0.1	−0.4	0.1	0.1	+0.2
18,	0.1	+0.5	...	+0.4	0.1	+0.3	0.1	0.1	−0.5	0.1	...	+0.3
19,	0.1	...	0.1	+0.2	...	+0.4	0.1	...	0.1	0.1	0.1	+0.6
20,	0.1	0.1	0.1	+0.2	...	0.1	0.1	0.1	0.1	0.1	0.1	+0.7
21,	0.1	0.1	0.1	0.1	...	0.1	0.1	0.1	0.1	...	0.1	−0.2
22,	...	0.1	0.1	...	+0.4	−0.2	...	0.1	0.1	0.1	0.1	0.1
23,	0.1	−0.2	0.1	−0.2	+0.8	−0.3	−0.2	0.1	...	0.1	0.1	...
24,	0.1	−0.2	0.1	0.1	...	...	−0.3	−0.2	0.1	−0.3	−0.2	...
25,	0.1	0.1	...	−0.2	+1.5	−0.2	0.1	−0.2	0.1	0.1	...	...
26,	0.1	...	0.1	0.1	...	...	0.1	...	0.1	0.1	0.1	...
27,	0.1	0.1	+0.2	0.1	...	−0.3	0.1	−0.3	0.1	0.1	0.1	−0.5
28,	0.1	0.1	+0.2	0.1	+0.7	−0.3	0.1	−0.6	0.1	...	0.1	0.1
29,	...	+0.2	+0.3	...	0.1	0.1	...	0.1	0.1	0.1	0.1	0.1
30,	0.1		...	0.1	0.1	0.1	+0.3	0.1	...	0.1	0.1	...
31,	−0.2		+0.4		0.1		+0.4	0.1		0.1		0.1

15. The probable errors of the signal in the different months of 1888 (with the average percentage of clouded sky added in parenthesis) were as follows:—January 0ˢ.12 (48), February 0ˢ.19 (85), March 0ˢ.26 (91), April 0ˢ.41 (86), May 0ˢ.20 (84), June 0ˢ.14 (92), July 0ˢ.13 (59), August 0ˢ.17 (60), September 0ˢ.14 (57), October 0ˢ.14 (53), November 0ˢ.15 (48), December 0ˢ.17 (56).—The mean of the probable errors was 0ˢ.18. A new standard clock with mercurial compensation has been ordered from England. When that arrives and is erected and rated the errors will be reduced during periods of persistently overcast weather (on the 14th April last year the sun was observed after 20 days of continually overcast skies). It will then have to be decided whether it would not be as well to cut a certain quantity off the zinc rod,—say a length corresponding to three-quarters of the temperature co-efficient, for no matter how well this is determined, the rate will *ceteris paribus* be more regular the more perfectly the clock is compensated.

16. With reference to a suggestion made concerning tidal and magnetic observations in the 5th paragraph of my last Annual Report, the Secretary of State did not assent to any discontinuation of the magnetic observations, which are ordered to be continued as heretofore. It is intended to re-investigate the induction coefficient of the vibrating magnet next spring. It does not appear that any improvement could be effected in Mr. ROBERTS's tide-tables (which represent the tides very closely indeed) by aid of the amount of trace available at present from the automatic tide-gauge, but next year when three years' trace is available would be the time to have it harmonically analyzed.

17. The following papers have been published in Europe in the course of the past year:—

"Telegraphic determination of the longitude of Haiphong" (Month. Not. R.A.S. Vol. XLVIII No. 5).

"On comet seeking" (Journ. Liverpool Astr. Soc. Vol. VI No. 7).

"The meteorology of south-eastern China in 1886." (Quart. Journ. R. Met. Soc. Vol. XIV No. 67.)

"Rainfall in China in 1887" (Quart. Journ. R. Met. Soc. Vol. XIV No. 67.)

"On the rate of the Hongkong Standard Clock" (Astr. Nachr. No. 2868).

"Crepuscular rays in China" (Nature Vol XXXVII p. 464.)

"Cause of September typhoons in Hongkong" (Nature Vol. XXXVII p. 439.)

"On the rainfall and temperature of Victoria Peak, Hongkong." (Nature Vol. XXXVIII p. 78.)

"Upper and lower wind currents over the torrid zone." (Nature Vol. XXXVIII p. 565.)

"On the grass minimum thermometer" (Nature Vol. XXXVIII p. 619.)

A paper on the mean height of the barometer in Iloilo (Philippines), and a paper on the law of storms in Hongkong and in southern Formosa are in press.

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

19. Mr. FIGG took all the clockworks of the self-recording Meteorological instruments asunder and had them cleaned and adjusted after which they went as well as before. The anemometer is oiled every ten days with pure sperm-oil. During previous winters some trouble was experienced with the lamps on the barograph and the thermograph, which had a tendency to go out in the course of the night. In hot and damp weather they would burn any length of time. By using only the best kerosine oil to be had in the Colony, having the lamps washed in soda once a week and especially by emptying out all the oil left this difficulty has been overcome. Some extra fine lighthouse oil was procured from London but it was not found better than the kinds to be had in the shops here and cost many times as much. The introduction of the electric light in Kowloon would benefit the Observatory materially.

20. Among scientific men who have visited this Observatory may be mentioned Dr. SCHRADER, the well-known astronomer of Hamburgh, when on his return from an exploration in New Guinea, with whom I conversed about methods practically used in making observations; Captain FLEURIAIS commanding *La Galissonnière* and Lieutenant Perrin; Captain EDLER VON WOHLGEMUTH, Director of the Observatory, JAN MAYEN, who explained to me a great many things connected with navigation; Captain USBORNE MOORE, in command of H.M.S. *Rambler*, the surveying vessel; Lieutenant HARTMANN, formerly connected with the Observatory at Wilhelmshafen; Lieutenant GRATZL, of the Austrian Frigate *Fasana;* Professor MILNE and Mr. KNIPPING, of Tokio; Father FAURA of Manila and others.

21. I continue in friendly correspondence with Mr. WHIPPLE, the principal authority on Meteorological matters in the Empire, who is as well known for his genial disposition as for his extensive information and practical experience. Indeed Mr. WHIPPLE's assistance is not confined to any district and meteorologists over the world are more or less indebted to him for valuable support at some time or other.

22. The crepuscular rays at sunset described in "Nature" Vol. XXXVII page 464, were during the past year carefully observed by a volunteer, who does not wish to be named:

Very faint traces of rays were seen on the 18th of January, the 25th April, the 21st June, the 2nd, 6th and 21st July, the 2nd, 4th, and 6th August.

Well developed rays were seen in the west on the 19th February, the 24th April, the 12th, and 22nd June, the 12th, 13th, 18th, and 20th, July, the 5th, 16th, 28th and 31st, August, the 1st, 11th, 14th, and 29th, September.

Strong rays both east and west, beginning in the former direction were seen on the 19th, 22nd and 23rd July, the 19th August, the 3rd, 4th and 5th September, the 14th October.

Rays stretching right across the whole sky were seen on the 8th and 10th May, the 20th June, the 30th August, the 13th, 19th and 26th September, the 12th October.

The number of observations were therefore: Jan. 1, Feb. 1, Mar. 0, Apr. 2, May 2, June 4, July 10, Aug. 9, Sep. 10, Oct. 2, Nov. 0, Dec. 0. On the 19th of February dark rays were seen above white small-cumulus clouds at an altitude of up to 60°, while the sun was still 5° above the horizon. This was followed by a great thunderstorm, a rather rare phenomenon in that month.

23. With reference to cloud classification, I have received a pamphlet from the Hon. R. ABERCROMBY which suggests several changes in the names of clouds (Comp. Annual Report for 1887 page 3 §13). The descriptions of clouds given therein are scarcely superior to those usually printed in such "Instructions," but the new names suggested would seem to recommend themselves for inter-

national use. They are: cum-cir, for sm-cum, str-cir, for very high str, a common fine weather cloud in Ireland, which had not hitherto been separately denominated, and str-cum, for Roll-cum (in Hongkong str-cum is used in a different sense). Cum-nim is also used, but is defined as nim of rounded shape, while any cloud from which rain is seen falling is called nim. in Hongkong. Cum-str is classed among rare and transient forms, whereas it is really common and even characteristic of certain regions such as the Malacca Straits. An uniformly covered sky is always entered as str in Hongkong. There are some strange explanations given in the same pamphlet such as on page 7, where it is said that cumulus may be formed by "collision between winds, such as land and sea breezes." The distinction "between the direction of propagation of a cyclonic cloud bank and the direction of motion of the clouds within the bank" is claimed as a new feature, whereas it is well known to practical meteorologists more especially within the tropics, where typhoons are observed, approaching in the first instance in the shape of an arch of dark cloud whose direction of motion forms an angle with the direction of the top of the arch. This has been thoroughly explained by FERREL a long time ago.

24. From an examination of thunderstorms in the Colony during the past five years it appears that they are most frequent in May and that they have not occurred in November, December and January. They seldom happen in February. With reference to the daily variation they are more frequent at night than during the daytime in the proportion of 3 to 2. They appear to be most abundant about 1a. and least so about 8a. in the proportion of about 2 to 1.

25. During the past year the temperature was on an average higher than in previous years and rose higher than before on hot days. This appears to have been at least partly due to a more southerly direction of the wind, but indeed the temperature has been rising on the whole since 1884. Whether this is periodical remains to be investigated. There seems fair prospects of finding that it is so. It should be remembered that great care is taken with our thermometrical observations and the results are accurate in proportion. The past year was more damp than usual, the rainfall was heavy and the mean barometer below the average. The amount of sunshine was less and the cloudiness greater than usual. It is generally considered to have been an unhealthy year.

26. The weather in January, 1888, was very warm and dry. There was a great deal of dew but hardly any rain. Dry weather haze was common, but indeed dry haze is always common along the China coast during the NE monsoon. February set in very cold. The water froze at the Peak on one or two nights. Thunderstorms began early and were severe in March. During April the weather was very trying to the health. For the greater part it was overcast, damp and foggy. The end of April was unusually hot. There was a great fall of temperature in the afternoon on the 22nd of May, and in the morning on the 3rd June. The weather in July was hot (90°.1 at 11p. on the 14th) and close and there was very little wind. This was due to distant typhoons. On the 22nd and 23rd water-spouts were seen to the south of Hongkong. On the 20th at 7a., a double solar halo was observed by Mr. MAHOMET ALARAKIA. The radius of the inner was 23° and that of the outer about 45°. The barometric tide was great during dry weather. The beginning and also the end of August were very hot. Rain was frequent during the night and early morning. The first half of October was rather close, warm and damp. The latter part of the month was dry and clear as usual. The force of the wind during November fell far short of the average and the weather was warm in consequence. This continued in December, during which month the amount of cloud and rain was excessive.

27. At the Observatory the cisterns of the barograph and standard barometer are placed 109 feet above mean sea level. The bulbs of the rotating thermometers are swung 108 feet above mean sea level and 4 feet above the ground. The solar radiation thermometer is placed at the same height but the terrestrial radiation thermometer is only about one inch above the grass. The rim of the pluviograph is placed 105 feet above mean sea level and 21 inches above the ground. The cups of the anemograph are 149 feet above mean sea level and 45 feet above the ground. At Victoria Peak the instruments, except the radiation thermometers and the rain-gauge are placed in the look-out. The cistern of the barometer is 1814 feet above mean sea level. The bulbs of the thermometers are about 4 feet above the floor except the maximum thermometer, which is a few inches higher. The radiation thermometers are placed at the same height above the ground as at the Observatory. The rim of the rain-gauge is 8 inches in diameter and one foot above the ground.

28. The Monthly Weather Reports are arranged as follows:—

Table I exhibits the hourly readings of the barometer reduced to freezing point of water but not to sea level, as measured (at two minutes to the hour named) from the barograms.

Tables II and III exhibit the hourly readings of the temperature of the air and of the temperature of evaporation round the Observatory as determined by aid of rotating dry and damp bulb thermometers and the thermograms. Table II exhibits also the extreme temperatures during the day and Table III also the solar radiation (black bulb in vacuo) maximum and terrestrial radiation-minimum temperatures.

Table IV exhibits the mean relative humidity in percentage of saturation and mean tension of water vapour present in the air expressed in inches of mercury for every hour in the day and for every day in the month, calculated by aid of Blanford's tables from the data in Tables II and III.

Table V exhibits the duration of sunshine expressed in hours from half an hour before to half an hour after the hour (true time) named.

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

Table VII exhibits the velocity of the wind in miles and its direction in numbers. The velocity of the wind is measured from half an hour before to half an hour after the hour named; but the direction is read off at the hour except when it is very light and changeable, in which case the average direction during the hour is estimated, taking into account the velocity from different quarters. The direction is not noted when the velocity is below 1.5 miles an hour. The vane is to be depended on except when the velocity is uniform (which is of course a rare occurrence) and below 3 miles an hour.

Table VIII exhibits for every hour in the day, the mean velocity of the wind reduced to 4 and 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 number of miles from 30 and 2 are termed (N.) The number of miles from 3, 4 and 5 and half the number of miles from 2 and 6 are termed (NE), etc. We have thus :—

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

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

etc.

which are the components exhibited in this table.

Table IX exhibits the direction (to two points) and force (0–12) of the wind estimated at Victoria Peak and the rainfall measured at 10a. and entered to preceeding day at the Peak and at the Observatory, as well as the duration of rain estimated at the Observatory.

Table X exhibits the readings of the barometer reduced to freezing point of water but not to sea level, and of the thermometers at Victoria Peak.

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

Table XII exhibits the amount (0–10), name and direction whence coming of the clouds. Where the names of upper and lower clouds are given, but only one direction, this refers to the lower clouds. These observations are made with the unaided vision. BRAUN's nephoscope, which has lately been again brought out in Sweden, has not been used.

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29. The following annual weather report for 1888 is arranged as follows :—

Table III exhibits the mean annual values (or mean hourly excess above this) obtained by aid of the mean values printed in the monthly reports. The mean hourly intensity of rain is obtained from the sixth table of the monthly reports in connection with the fourth table of this report. The total amount of rain measured daily at 10a. was 104·585 inches at the Observatory and 111·17 at the Peak. The total duration registered at the Observatory was 854 hours. The rainfall was at least 0.01 inch on 173 days at the Observatory, and on 111 days at the Peak.

The excess of the black bulb above the air maximum is given as usual. It would have been much better to compare the former with the temperature registered at noon, but that is not done elsewhere.

Table IV exhibits the number of hours during a portion of which rain was registered.

Table V exhibits the total distance traversed by as well as the duration and average velocity of winds from bi-quadrantal points, obtained from the tables published on the first page of each monthly weather report.

Table VI exhibits the number of days on which certain Meteorological phenomena were noted and also the total number of thunderstorms observed in this neighbourhood during the year.

Table VII shows the frequency of clouds of the different classes.

Table VIII exhibits the values of different quantities as explained in previous reports. The hourly intensities of rain have been obtained from the data in the ninth table of the monthly reports.

Tables IX and X exhibit the monthly and annual extremes. The extremes of humidity and vapour tension have been obtained from the eleventh table of the monthly reports and are therefore as usual not quite complete as the values for only 10a. 4p. and 10p. daily are calculated.

Tables XI and XII are arranged as explained in the report on five-day means for 1886.

TABLE III.

Mean Values and Hourly Excess above the Mean of Meteorological Elements in 1888.

	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 or Total. Observatory.	Mean or Total. Peak.
Pressure,	+.005	—.006	—.014	—.017	—.013	.000	+.016	+.031	+.042	+.044	+.035	+.016	—.007	—.027	—.040	—.045	—.041	—.032	—.019	.000	+.013	+.022	+.022	+.015	29.833	28.104
Temperature,	— 1.4	— 1.6	— 1.7	— 1.9	— 2.1	— 2.0	— 1.6	— 0.5	+ 0.5	+ 1.3	+ 2.0	+ 2.4	+ 2.5	+ 2.4	+ 2.2	+ 1.7	+ 0.9	+ 0.3	0.0	— 0.3	— 0.5	— 0.7	— 0.9	— 1.2	72.4	67.0
Diurnal Range,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7.3	6.1
Humidity,	+ 4	+ 4	+ 4	+ 4	+ 5	+ 4	+ 3	+ 1	— 2	— 4	— 6	— 7	— 7	— 6	— 6	— 4	— 2	0	+ 1	+ 2	+ 2	+ 3	+ 3	+ 4	79	89
Vapour Tension,	+.002	.000	—.001	—.004	—.007	—.008	—.002	—.002	—.004	—.006	—.003	—.004	—.001	—.001	—.002	—.001	.000	+.004	+.007	+.008	+.009	+.009	+.007	+.004	0.662	0.627
Sunshine (Total),	...	...	...	...	...	10.1	89.6	155.7	176.2	191.2	194.3	187.9	189.1	195.8	188.8	169.8	102.1	13.2	...	...	...	...	...	...	1863.8	...
Rainfall,	0.456	0.459	0.442	0.342	0.602	0.437	0.424	0.402	0.464	0.280	0.290	0.294	0.488	0.458	0.215	0.235	0.265	0.340	0.274	0.241	0.376	0.345	0.220	0.365	8.715	9.264
Hours of Rain (Total),	40	50	49	56	60	60	47	54	50	33	27	28	27	38	29	34	32	30	29	30	35	35	28	37	938	...
Intensity of Rain,	0.137	0.110	0.108	0.073	0.120	0.087	0.108	0.089	0.111	0.102	0.129	0.126	0.217	0.145	0.089	0.083	0.100	0.136	0.113	0.097	0.129	0.118	0.094	0.118	0.111	...
Wind-Velocity,	— 1.0	— 1.2	— 1.1	— 1.0	— 0.9	— 0.9	— 1.2	— 0.8	+ 0.4	+ 1.4	+ 1.8	+ 2.2	+ 2.4	+ 2.3	+ 1.9	+ 1.6	+ 1.1	+ 0.1	— 0.9	— 1.4	— 1.4	— 1.3	— 1.2	— 1.0	12.5	22
Wind-Direction,	— 6°	— 4°	— 6°	— 6°	— 5°	— 7°	—10°	— 2°	— 2°	+ 4°	+ 8°	+10°	+12°	+12°	+ 8°	+ 6°	+ 4°	+ 3°	+ 0°	— 4°	— 4°	— 4°	— 4°	— 5°	E 13° S	E 34° S
Cloudiness,	+ 2	...	...	+ 7	...	...	+ 2	...	...	0	...	...	0	...	...	— 2	...	...	— 5	...	...	— 4	...	...	68	...
Solar Radiation,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	128.4	121.2
Excess of do. do.,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	52.1	50.9
Terr. Radiation,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	+3.0	+1.8

TABLE IV.

Number of Hours, during portion of which it rained, for each Month in the Year 1888.

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,	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2	1	1	1	1	1	2	...	...	11
February,	8	8	8	7	5	4	5	6	6	4	2	2	2	2	4	4	2	2	3	1	2	3	4	5	99
March,	4	4	4	5	7	8	8	4	6	5	1	2	2	4	3	3	4	3	2	3	2	2	1	1	88
April,	2	4	4	7	4	6	5	6	2	2	2	2	1	2	2	5	5	2	3	5	4	4	1	4	84
May,	6	5	5	6	5	5	3	6	5	3	2	7	6	6	6	4	4	7	6	5	10	6	3	7	128
June,	6	9	11	10	13	12	7	7	11	7	8	3	4	8	5	7	5	7	7	2	8	7	7	3	174
July,	4	6	5	5	6	5	1	6	4	2	...	1	1	3	2	2	3	4	3	2	4	2	1	4	76
August,	5	5	7	5	8	5	6	7	4	4	4	1	3	2	...	1	2	2	1	3	1	3	5	7	91
September,	1	7	1	5	6	7	5	3	5	2	3	4	2	4	3	1	1	...	...	2	...	2	2	2	68
October,	2	...	...	2	2	1	1	1	1	2	2	3	3	3	1	3	1	...	1	4	...	...	...	...	33
November,	...	...	...	...	2	3	2	3	2	1	1	1	...	1	...	...	...	...	...	...	...	...	...	...	16
December,	2	2	4	4	2	2	4	5	4	1	2	2	3	3	3	2	4	2	2	2	3	4	4	4	70
Total,	40	50	49	56	60	60	47	54	50	33	27	28	27	38	29	34	32	30	29	30	35	35	28	37	938

TABLE V.

Total Distance traversed by, as well as Total Duration and Average Velocity of Winds from eight different Points of the Compass during the year 1888.

Wind.	Total Distance. *Miles.*	Duration. *Hours.*	Velocity. *Miles per hour.*
N,	8367	775	10.8
NE,	11015	853	12.9
E,	62409	3841	16.2
SE,	5108	574	8.9
S,	8855	853	10.4
SW,	6982	562	12.4
W,	4256	530	8.0
NW,	2074	299	6.9
Calm,	326	497	0.7
Sums and Mean,	109392	8784	12.5

TABLE VI.

Total Number of Days on which different Meteorological Phenomena were noted and Total Number of Thunderstorms during each month of the year 1888.

Month.	Fog.	Electric Phenomena.	Lightning.	Thunder.	Thunder-storms.	Unusual Visibility.	Dew.	Rain-bows.	Lunar Halo.	Lunar Corona.	Solar Halo.	Solar Corona.
January,	1	...	...	...	...	...	8	...	...	1	...	...
February,	2	1	1	1	2	1	2	...	...	...	...	...
March,	12	14	14	12	9	...	4	...	1	...	2	...
April,	7	16	16	8	5	...	5	...	1	...	1	1
May,	...	21	18	11	4	2	3	3	1	1	1	...
June,	...	19	19	8	3	...	...	8	3	7	2	2
July,	1	26	24	12	3	5	10	4	1	1	7	...
August,	13	23	21	9	2	5	15	2	5	2	6	...
September,	10	20	17	9	1	1	11	1	5	1	2	...
October,	...	4	4	3	1	2	4	...	2	...	1	1
November,	2	...	...	...	...	1	10	...	1	...	1	...
December,	3	...	...	...	...	...	7	...	...	...	...	...
Sums,	51	144	134	73	30	17	79	18	20	13	23	4

TABLE VII.

Total Number of Times that Clouds of different Forms were observed in each month of the year 1888.

Month.	c.	c-str.	c-cum	sm-cum.	cum.	cum-str.	str.	R-cum.	cum-nim.	nim.
January,	...	4	2	15	82	...	14	40	21	7
February,	...	2	2	11	73	...	27	25	32	57
March,	...	14	1	15	107	2	27	26	37	44
April,	...	22	22	27	117	1	8	24	41	53
May,	1	29	24	32	140	4	9	17	39	44
June,	3	44	36	26	120	1	4	41	25	54
July,	7	81	19	14	179	2	4	19	14	14
August,	8	77	26	10	140	1	13	12	23	25
September,	...	64	29	19	147	6	14	8	14	14
October,	...	18	19	20	134	...	11	10	14	10
November,	...	13	13	49	144	...	8	6	2	3
December,	...	...	3	34	103	...	16	5	14	29
Sums,	19	368	196	272	1486	17	155	233	276	354

TABLE VIII.

Month.	Barometric Tide.	Mean diurnal variability of Temperature.	Temperature decrease. Height for 1°	Rain Fall.		Hourly Intensity of Rain.	Mean direction of Clouds whence coming.			Number of Days with Clouds below.	
				Mean 1878–1887 inclus.	1888.		Lower.	Upper.	Cirrus.	2000 ft.	1000 ft.
	ins.	°	*feet.*	*ins.*	*ins.*	*ins.*					
January,	0.105	1.57	417	1.47	0.185	0.021	E	W by S	...	14	6
February,	0.105	2.32	407	1.66	3.965	0.025	ESE	WSW	...	22	11
March,	0.101	2.49	551	3.53	10.430	0.104	SE by S	W by S	...	23	9
April,	0.101	1.98	380	6.55	6.955	0.078	S	W	...	28	17
May,	0.082	2.19	280	9.82	19.525	0.169	S by W	W	...	26	6
June,	0.069	1.98	263	12.67	23.865	0.184	S	W by S	NNE	28	7
July,	0.069	0.92	276	16.41	10.550	0.277	SE	ENE	E by N	9	1
August,	0.075	1.28	300	16.93	13.315	0.206	SW by S	ENE	ENE	12	6
September,	0.085	1.28	280	9.89	6.415	0.144	E by N	NE by E	...	12	1
October,	0.089	1.43	248	5.06	4.515	0.205	E by S	SW by W	...	13	3
November,	0.099	1.29	290	1.04	0.770	0.076	ENE	W by S	...	5	1
December,	0.105	1.76	290	0.49	4.095	0.058	E by N	W by S	...	12	4
Year,	0.090	1.71	332	85.52	104.585	0.122	...	...	...	204	72

TABLE IX.

Monthly Extremes of the Principal Meteorological Elements registered at the Observatory during the year 1888.

Month.	Barometer.		Temperature.		Hum.	Vapour Tension.		Rain.		Wind Velocity.	Radiation.	
	Max.	Min.	Max.	Min.	Min.	Max.	Min.	Daily Max.	Hourly Max.	Max.	Sun Max.	Terr. Min.
January, ...	30.279	29.834	72.9	42.8	5	0.576	0.035	0.155	0.075	40	136.3	41.5
February, .	.335	.822	68.6	40.6	28	0.545	0.105	0.955	0.390	37	134.3	36.8
March,.....	.212	.767	77.9	54.2	59	0.749	0.272	3.580	1.570	44	132.6	52.4
April, ...	.058	.585	84.8	58.9	68	0.847	0.442	2.815	1.580	39	145.7	56.7
May, ...	29.915	.526	87.1	69.4	66	0.967	0.587	5.975	2.740	36	150.5	67.7
June, ...	.751	.284	88.0	69.2	64	0.991	0.572	8.475	2.130	48	152.6	66.7
July, ...	.799	.110	92.9	75.8	54	1.002	0.727	3.885	1.115	40	155.3	...
August, ...	.850	.340	90.4	72.2	65	1.000	0.732	2.680	1.470	30	151.2	...
September,.	.941	.480	88.9	70.8	53	0.941	0.606	1.090	0.600	50	150.4	68.9
October, ...	30.192	.694	83.8	64.1	27	0.921	0.241	1.595	0.700	34	150.4	55.4
November,.	.215	.663	82.6	60.8	46	0.691	0.320	0.660	0.380	35	143.7	52.0
December,.	.274	.797	75.2	53.4	38	0.679	0.203	1.670	0.400	35	138.3	44.5
Year,.....	30.335	29.110	92.9	40.6	5	1.002	0.035	8.475	2.740	50	155.3	36.8

TABLE X.

Monthly Extremes of the Principal Meteorological Elements registered at Victoria Peak during the year 1888.

Month.	Barometer.		Temperature.		Hum.	Vapour Tension.		Rain.	Wind.	Radiation.	
	Max.	Min.	Max.	Min.	Min.	Max.	Min.	Daily Max.	Force Max.	Sun Max.	Terr. Min.
January, ...	28.436	28.102	67.2	44.2	31	0.535	0.116	0.87	6	129.0	41.4
February, ...	.429	.061	65.3	35.3	61	0.530	0.151	0.76	6	130.0	31.8
March, ...	.383	.039	71.5	50.2	67	0.691	0.289	5.10	6	128.8	45.8
April,.....	.253	27.935	75.9	53.9	83	0.816	0.443	2.36	6	144.4	51.3
May, ...	.198	.869	78.1	64.3	81	0.901	0.580	4.85	5	149.7	63.1
June, ...	.033	.622	79.3	65.3	83	0.908	0.568	8.75	8	141.4	63.7
July, ...	.106	.465	84.2	73.3	64	0.958	0.651	6.15	8	151.1	70.8
August, ...	.144	.704	82.2	68.8	82	0.916	0.694	3.60	6	148.0	66.6
September, ...	.197	.774	82.3	66.1	70	0.892	0.601	1.15	8	147.7	65.0
October,.....	.402	28.012	75.9	58.3	45	0.827	0.275	1.70	5	140.3	53.3
November,.....	.396	27.975	74.9	58.2	55	0.627	0.336	0.56	5	135.1	51.4
December,.....	.435	28.059	69.0	47.0	59	0.595	0.264	2.36	6	127.7	42.5
Year,.....	28.436	27.465	84.2	35.3	31	0.958	0.116	8.75	8	151.1	31.8

TABLE XI.

Five-Day Means of the Principal Meteorological Elements observed at the Hongkong Observatory in 1888.

Five-Day Periods.	Barometer.	Temperature.	Humidity.	Vapour Tension.	Wind Velocity.	Nebulosity.	Sunshine.	Rain.
January 1– 5	30.189	56.0	30	0.140	7.9	0.4	9.5	0.000
„ 6–10	.063	62.5	61	.345	10.7	0.1	9.5	0.002
„ 11–15	29.976	63.2	77	.450	20.0	6.9	5.0	0.001
„ 16–20	.962	65.0	84	.520	13.1	5.0	7.5	0.001
„ 21–25	30.070	62.2	75	.422	17.6	6.5	6.2	0.000
„ 26–30	.054	60.6	79	.418	15.6	9.1	1.2	0.002
„ 31– 4	.183	46.5	68	.213	12.5	7.1	3.9	0.389
February 5– 9	.130	52.7	75	.300	13.0	10.0	0.4	0.065
„ 10–14	29.924	59.8	89	.460	21.8	9.2	2.5	0.005
„ 15–19	.963	56.3	88	.400	17.8	9.7	0.7	0.023
„ 20–24	.961	54.5	84	.360	10.4	10.0	0.0	0.342
„ 25– 1	.986	61.0	74	.405	14.3	5.8	5.7	0.000
March 2– 6	.993	60.7	80	.435	14.2	9.9	1.0	0.235
„ 7–11	.958	61.9	77	.427	17.9	9.2	1.2	0.001
„ 12–16	.906	65.3	87	.542	12.7	6.3	4.4	0.005
„ 17–21	.970	64.1	86	.529	10.2	9.6	1.2	0.249
„ 22–26	.908	66.5	85	.560	12.5	9.4	2.6	0.948
„ 27–31	.885	67.4	94	.631	16.2	10.0	0.6	0.648
April 1– 5	.904	64.4	85	.515	18.3	9.8	2.1	0.082
„ 6–10	.714	71.1	90	.687	15.9	9.9	1.2	0.806
„ 11–15	.773	70.6	89	.673	17.4	10.0	0.8	0.473
„ 16–20	.845	71.1	92	.703	12.9	8.4	4.6	0.026
„ 21–25	.794	78.2	83	.799	8.5	6.7	7.9	0.001
„ 26–30	.793	79.5	81	.813	7.8	7.1	8.8	0.003
May 1– 5	.787	75.5	88	.778	15.0	9.3	3.7	0.812
„ 6–10	.774	80.5	82	.857	6.2	4.0	9.2	0.017
„ 11–15	.794	77.9	86	.821	12.4	8.3	3.8	0.148
„ 16–20	.590	79.2	87	.872	10.7	9.4	2.9	1.807
„ 21–25	.737	76.3	82	.745	13.1	9.6	1.9	0.383
„ 26–30	.716	78.1	88	.844	8.5	9.6	3.0	0.674
„ 31– 4	.655	79.4	80	.808	13.9	8.9	4.2	0.196
June 5– 9	.619	79.3	83	.840	14.4	9.3	3.5	0.096
„ 10–14	.495	78.9	88	.866	22.9	9.6	1.5	1.010
„ 15–19	.437	80.8	85	.888	19.2	9.6	2.4	1.116
„ 20–24	.555	82.4	84	.932	10.9	8.1	5.4	0.492
„ 25–29	.643	81.1	86	.913	12.8	9.7	2.0	1.849
„ 30– 4	.688	82.0	83	.908	6.0	6.4	7.5	0.257
July 5– 9	.681	82.7	81	.904	14.9	7.3	7.2	0.383
„ 10–14	.568	83.9	78	.910	16.1	7.1	7.4	0.183
„ 15–19	.549	82.1	82	.899	14.6	6.7	6.6	1.161
„ 20–24	.556	84.0	78	.913	5.2	3.4	10.6	0.000
„ 25–29	.530	83.2	79	.899	5.1	5.2	8.5	0.131
„ 30– 3	.551	83.3	82	.942	6.3	4.9	8.1	0.176
August 4– 8	.523	84.2	80	.940	9.1	5.0	8.5	0.204
„ 9–13	.441	79.2	88	.875	12.7	10.0	0.3	1.328
„ 14–18	.563	80.9	85	.896	12.1	7.0	6.6	0.564
„ 19–23	.788	79.5	87	.875	5.7	6.2	7.1	0.460
„ 24–28	.692	81.1	82	.872	4.8	5.0	8.6	0.004
„ 29– 2	.672	83.0	78	.883	4.7	3.0	9.6	0.027
September..... 3– 7	.763	81.9	82	.893	6.6	4.4	8.4	0.256
„ 8–12	.768	80.1	80	.823	10.2	6.2	5.7	0.099
„ 13–17	.829	80.7	78	.818	7.3	4.5	7.9	0.094
„ 18–22	.818	81.7	82	.890	7.1	5.6	7.5	0.305
„ 23–27	.796	81.2	68	.724	14.5	5.9	6.9	0.244
„ 28– 2	.754	77.1	74	.693	24.2	8.8	2.2	0.260
October 3– 7	.884	77.6	82	.780	16.5	8.5	2.8	0.138
„ 8–12	.859	77.2	84	.784	12.5	8.3	1.9	0.661
„ 13–17	.872	78.4	80	.776	16.3	6.8	4.2	0.005
„ 18–22	.898	75.4	67	.611	14.2	5.0	7.1	0.096
„ 23–27	30.060	71.3	49	.376	14.2	0.6	10.6	0.000
„ 28– 1	29.957	73.0	71	.585	8.2	1.2	9.9	0.002
November 2– 6	.939	73.8	68	.571	5.7	6.0	5.8	0.000
„ 7–11	.921	72.2	74	.585	15.7	8.0	4.1	0.133
„ 12–16	30.039	70.0	71	.523	8.7	4.1	6.7	0.000
„ 17–21	29.829	71.8	75	.589	8.9	4.8	6.0	0.019
„ 22–26	30.089	68.4	65	.454	13.5	2.6	9.1	0.000
„ 27– 1	.099	69.4	72	.521	16.4	4.5	7.6	0.001
December 2– 6	.000	69.1	75	.538	10.2	5.5	4.6	0.000
„ 7–11	29.980	69.0	80	.568	15.7	7.4	3.6	0.085
„ 12–16	30.008	66.8	81	.538	16.2	8.9	1.2	0.082
„ 17–21	.083	61.7	77	.432	8.6	7.4	2.1	0.652
„ 22–26	.069	62.0	59	.331	8.8	2.3	8.8	0.000
„ 27–31	29.948	62.2	71	.402	11.8	2.1	8.0	0.000

TABLE XII.

Five-Day Means of the principal Meteorological Elements observed at Victoria Peak in 1888.

Five-Day Periods.	Barometer.	Temperature.	Humidity.	Vapour Tension.	Wind Force.	Rain.
January 1– 5	28.381	51.2	43	0.172	3.9	0.00
" 6–10	.291	58.4	60	.312	4.2	0.00
" 11–15	.193	58.6	81	.408	4.7	0.00
" 16–20	.201	61.0	87	.486	3.3	0.00
" 21–25	.293	56.9	86	.411	3.8	0.00
" 26–30	.266	55.0	91	.404	4.1	0.00
" 31– 4	.316	42.6	81	.228	4.4	0.45
February 5– 9	.309	45.5	91	.282	4.3	0.02
" 10–14	.151	58.6	95	.475	4.5	0.02
" 15–19	.166	53.6	93	.390	4.4	0.11
" 20–24	.153	49.0	95	.331	4.1	0.30
" 25– 1	.209	56.2	88	.418	3.7	0.00
March 2– 6	.221	57.0	87	.419	3.9	0.15
" 7–11	.194	56.3	92	.435	3.6	0.00
" 12–16	.169	63.9	90	.543	3.6	0.00
" 17–21	.208	61.8	92	.524	3.8	0.23
" 22–26	.157	62.0	93	.533	3.9	1.18
" 27–31	.146	65.7	96	.610	4.3	0.40
April 1– 5	.157	61.0	92	.500	4.0	0.00
" 6–10	27.993	67.5	96	.661	4.7	1.23
" 11–15	28.036	65.6	96	.620	4.9	0.12
" 16–20	.106	69.0	94	.681	3.6	0.02
" 21–25	.105	72.1	94	.746	3.9	0.00
" 26–30	.091	72.9	94	.772	3.8	0.00
May 1– 5	.070	70.3	96	.717	3.9	0.79
" 6–10	.090	73.8	93	.785	3.5	0.00
" 11–15	.084	72.1	94	.755	3.8	0.31
" 16–20	27.913	72.6	96	.782	4.4	1.46
" 21–25	28.025	69.5	95	.701	4.2	0.64
" 26–30	.019	71.6	98	.770	4.1	0.15
" 31– 4	27.960	72.3	95	.765	4.5	0.25
June 5– 9	.927	73.2	97	.809	4.5	0.23
" 10–14	.826	72.7	98	.796	5.1	1.23
" 15–19	.748	73.7	98	.824	5.2	1.04
" 20–24	.875	75.0	97	.858	4.2	0.46
" 25–29	.950	74.7	98	.850	4.6	2.58
" 30– 4	28.009	75.3	96	.851	3.9	0.22
July 5– 9	27.993	75.6	93	.841	4.1	0.14
" 10–14	.875	77.5	88	.849	4.2	0.15
" 15–19	.868	76.0	92	.837	3.6	1.23
" 20–24	.890	77.5	89	.859	2.0	0.00
" 25–29	.859	76.9	90	.842	3.1	0.21
" 30– 3	.888	77.3	91	.874	3.3	0.30
August 4– 8	.853	77.2	91	.859	4.1	0.31
" 9–13	.773	73.2	96	.797	4.3	1.92
" 14–18	.880	74.5	95	.828	4.2	1.03
" 19–23	28.097	74.7	92	.810	3.4	0.13
" 24–28	.019	75.3	92	.820	3.4	0.00
" 29– 2	27.987	76.5	89	.823	3.1	0.03
September 3– 7	28.078	76.9	89	.843	2.8	0.15
" 8–12	.069	75.1	88	.780	3.5	0.03
" 13–17	.121	74.0	90	.770	3.5	0.05
" 18–22	.121	75.3	92	.824	2.9	0.23
" 23–27	.082	73.9	82	.700	4.5	0.04
" 28– 2	.034	69.6	88	.642	5.2	0.37
October 3– 7	.163	70.1	94	.702	4.1	0.25
" 8–12	.144	70.7	97	.736	4.2	0.79
" 13–17	.162	71.5	94	.732	4.1	0.00
" 18–22	.166	68.3	88	.635	4.3	0.06
" 23–27	.309	63.6	66	.407	4.5	0.00
" 28– 1	.217	66.6	82	.558	2.5	0.00
November 2– 6	.211	68.3	81	.576	2.4	0.00
" 7–11	.187	65.0	88	.550	4.1	0.11
" 12–16	.272	64.2	86	.535	3.2	0.00
" 17–21	.104	65.1	87	.561	3.7	0.09
" 22–26	.327	63.3	77	.458	3.5	0.00
" 27– 1	.337	63.4	83	.500	3.9	0.00
December 2– 6	.239	62.5	86	.507	2.9	0.00
" 7–11	.220	62.4	92	.530	3.9	0.16
" 12–16	.234	60.4	93	.504	3.8	0.07
" 17–21	.282	55.1	90	.406	4.3	0.79
" 22–26	.280	55.4	76	.351	3.4	0.00
" 27–31	.179	56.7	78	.379	3.5	0.00

30. The observations of magnetic declination and horizontal force were made with the unifilar magnetometer, ELLIOTT BROS. No. 55, and the dips were observed with dip circle, DOVER No. 71. The methods adopted are explained in *Appendix G.* of *Observations and Researches made in 1885.* The value of log π^2 K was 3.44975 at 27° cent. and the value of P was + 6.608. The mean value of the magnetic moment of the vibrating needle was 0.48203 in British Units and 629.32 in C.G.S. Units.

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 observations of horizontal force are expressed in C.G.S. Units, but the monthly synopsis exhibits X, the horizontal as well as Y, the vertical, and the total forces, which have been computed by aid of the observed dips, and their values are also given in British Units and in Gauss's Units. The declination and dip are decreasing, while the horizontal force is increasing as well as the total force. Observations made before the Observatory was founded show that the dip was increasing during the forty years previous.

OBSERVATIONS OF MAGNETIC DECLINATION AND DIP.

1888.	H.K.M.T.	Declination, East.	Observer.	H.K.M.T.	Dip, North.	Needle.	Observer.
January,	16d. 2h. 38m. p.	0° 43′ 21″	F.G.F.	17d. 3h. 33m. p.	32° 22′ .89	No. 1	F.G.F.
					24 .53	2	"
February,	14 2 31 p.	0 43 56	"	15 3 2 p.	21 .02	1	"
					21 .40	2	"
March,	14 2 40 p.	0 43 3	M.A.	15 3 30 p.	19 .56	1	M.A.
					20 .03	2	"
April,	16 2 36 p.	0 39 49	"	14 3 28 p.	21 .34	1	"
					20 .06	2	"
May,	15 2 33 p.	0 39 38	F.G.F.	17 3 23 p.	23 .12	1	F.G.F.
					22 .33	2	"
July,	17 2 36 p.	0 38 9	M.A.	18 3 23 p.	19 .37	1	M.A.
					16 .78	2	"
August,	14 2 28 p.	0 39 54	"	15 3 27 p.	18 .11	1	"
					13 .31	2	"
September,	14 2 38 p.	0 40 11	"	15 3 2 p.	20 .18	1	"
					20 .88	2	"
October,	15 2 28 p.	0 42 4	F.G.F.	16 3 37 p.	22 .51	1	F.G.F.
					19 .30	2	"
November,	14 2 45 p.	0 43 13	M.A.	16 3 29 p.	26 .75	1	M.A.
					30 .21	2	"
				17 3 22 p.	26 .00	5	F.G.F.
					22 .32	6	W.D.
December,	14 2 47 p.	0 39 40	F.G.F.	15 3 10 p.	22 .39	1	M.A.
					18 .59	2	"
				16 3 28 p.	22 .93	5	F.G.F.
					22 .24	6	"

OBSERVATIONS OF HORIZONTAL MAGNETIC FORCE.

DATE. 1888.	H.K.M.T.	Time of one Vibration.	Temperature Cent.	Log mX.	Value of m.	H.K.M.T.	Distance in Centimeters.	Temperature Cent.	Deflection.	Log $\frac{m}{X}$ Mean.	Value of X.	Observer.
		s										
January 16,...	3h. 3m. p.	3.5171	24°.0	2.35929	633.93	3h. 33m. p.	30	22°.3	7° 28′ 6″	3.24480	0.36077	F.G.F.
							40		3 8 6			
February 14,...	2 54 p.	3.5119	16 .55	2.35952	633.51	3 24 p.	30	16 .0	7 28 35	3.24400	0.36121	"
							40		3 8 10			
March 14,...	3 23 p.	3.5186	25 .3	2.35925	633.07	4 14 p.	30	22 .4	7 26 50	3.24364	0.36124	M.A.
							40		3 7 36			
April 17,...	2 46 p.	3.5181	22 .3	2.35892	632.40	3 17 p.	30	21 .1	7 26 32	3.24307	0.36134	F.G.F.
							40		3 7 27			
May 15,...	2 58 p.	3.5252	30 .2	2.35851	631.80	3 32 p.	30	28 .5	7 24 50	3.24265	0.36135	"
							40		3 6 36			
July 17,...	3 12 p.	3.5349	31 .4	2.35666	629.20	4 7 p.	30	29 .9	7 22 45	3.24091	0.36130	M.A.
							40		3 5 44			
August 14,...	3 0 p.	3.5348	30 .2	2.35623	627.99	3 50 p.	30	28 .5	7 21 51	3.23967	0.36164	"
							40		3 5 17			
September 14,...	3 16 p.	3.5392	30 .5	2.35492	626.89	4 13 p.	30	29 .1	7 21 16	3.23948	0.36118	"
							40		3 5 15			
October 15,...	2 55 p.	3.5410	29 .3	2.35418	625.35	3 29 p.	30	27 .6	7 20 20	3.23807	0.36145	F.G.F.
							40		3 4 42			
November 14,...	3 9 p.	3.5399	25. 1	2.35359	624.47	4 5 p.	30	23 .2	7 20 22	3.23742	0.36147	M.A.
							40		3 4 51			
December 14,...	3 18 p.	3.5407	23. 45	2.35313	623.95	3 47 p.	30	21 .8	7 20 21	3.23716	0.36140	F.G.F.
							40		3 4 50			

RESULTS OF MAGNETIC OBSERVATIONS IN 1888.

Month. 1888.	Declination, East.	Dip, North.	MAGNETIC FORCE.								
			English Units.			Metric Units.			C. G. S. Units.		
			X	Y	Total.	X	Y	Total.	X	Y	Total.
January,	0° 43′ 21″	32° 23′ 43″	7.8246	4.9648	9.2668	3.6077	2.2892	4.2728	0.36077	0.22892	0.42728
February,	43 56	21 13	7.8340	4.9627	9.2736	3.6121	2.2882	4.2759	0.36121	0.22882	0.42759
March,	43 3	19 48	7.8347	4.9586	9.2722	3.6124	2.2863	4.2752	0.36124	0.22863	0.42752
April,	39 49	20 42	7.8368	4.9629	9.2762	3.6134	2.2883	4.2771	0.36134	0.22883	0.42771
May,	39 38	22 44	7.8370	4.9694	9.2798	3.6135	2.2913	4.2788	0.36135	0.22913	0.42788
June,	(38 53)	(20 24)	(7.8365)	(4.9616)	(9.2751)	(3.6133)	(2.2877)	(4.2767)	(0.36133)	(0.22877)	(0.42767)
July,	38 9	18 4	7.8360	4.9538	9.2704	3.6130	2.2841	4.2745	0.36130	0.22841	0.42745
August,	39 54	15 43	7·8433	4.9511	9.2754	3.6164	2.2828	4.2767	0.36164	0.22828	0.42767
September,	40 11	20 32	7.8334	4.9601	9.2717	3.6118	2.2870	4.2750	0.36118	0.22870	0.42750
October,	42 4	20 54	7.8392	4.9650	9.2792	3.6145	2.2893	4.2785	0.36145	0.22893	0.42785
November,	43 13	26 19	7.8397	4.9827	9.2892	3.6147	2.2974	4.2831	0.36147	0.22974	0.42831
December,	39 40	21 32	7.8380	4.9662	9.2790	3.6140	2.2898	4.2784	0.36140	0.22898	0.42784
Mean	0° 40′ 59″	32° 20′ 58″	7.8361	4.9632	9.2757	3.6131	2.2884	4.2769	0.36131	0.22884	0.42769

I have the honour to be,

Sir,

Your most obedient Servant,

W. Doberck,
Director.

The Honourable
The Colonial Secretary,
&c., &c., &c.

REPORT ON THE TYPHOONS OF 1886 AND 1887.

(With five plates).

TYPHOONS OF 1886.

In the beginning of **June** 1886, the barometer was rising slowly in the Far East. Gradients were on the whole very slight, the temperature and humidity rather high and the weather cloudy but fine. At 10a. on the 7th the highest reading of the barometer 29.95 was telegraphed from Manila. The next day the barometer had fallen at all the telegraphic reporting stations except Wladivostock. The weather was overcast and the air hazy along the coast of China but the sky was blue over Luzon.

At 9a. on the 9th the centre of Typhoon I may have been in about 19° N, 127° E. In Formosa and along the SE coast of China the barometer stood at 29.81. The sky was partly clouded and gentle NE breezes prevailed. In Manila the barometer stood at 29.85 and light WNW breezes were registered in Luzon. To the north-east of Luzon squally weather with winds from between SW and NW and a slowly falling barometer had been registered by several sailing vessels during the past few days. On the 9th the weather at sea near the NE point of Luzon was threatening. It blew a NW breeze, and heavy rain fell.

At 9a. on the 10th the typhoon may have been in about 19½° N, 124° E. Light airs were registered in Luzon and along the SE coast of China. Over the northern portion of the China Sea gradients were moderate for S winds and it blew fresh from WSW to the westward of Luzon, where also a rough cross sea was experienced. At S. Cape (Formosa) it blew a gentle NE breeze and the weather continued fine. It blew a moderate N breeze and the weather was squally in the Balingtang Channel, to the north of Luzon. The dimensions of the typhoon were evidently unusually small but its existence was indicated by the character and the movements of the upper clouds over Hongkong. A strong W breeze with squally weather and heavy rain was reported in the course of the day from the west-coast of Luzon.

At 9a. on the 11th the typhoon may have been in about 19½° N, 120° E. The barometer was rising in the north of China, where a storm had passed eastward. It had likewise risen nearly a tenth of an inch in the past 24 hours in the Gulf of Tonquin, where it blew a gentle N breeze with detached clouds and hazy weather. On board the S.S. *Mark Lane* in 15° N, 110° E a squally appearance to the northward was noticed. Gentle SW breezes and fine weather were reported from Luzon. In the early morning hours the barometer reached its lowest reading 29.70 at S. Cape, where however the weather continued fine with a light NE veering to E breeze. Variable breezes and calms were registered along the SE coast of China and in the Formosa Channel. Cloudy and showery weather prevailed with thunderstorms in some places and the nearness of the small typhoon did not seem to affect the weather.

At 9a. on the 12th the typhoon may have been in about 18° N, 113° E. The barometer had risen in Hongkong and at stations east of this Colony as well as in Luzon and along the Yang-tze-kiang. The greatest rise in 24 hours 0.22 inches was registered in the neighbourhood of Foochow. The sky was covered with detached clouds accompanied by showery weather in Formosa. It blew a moderate NE gale in Formosa, in the Channel and along the southern coast of China as far as Hainan, where it blew a fresh NE breeze and the weather was overcast, gloomy and squally. The *Mark Lane* east of that island experienced a NW breeze, that veered to NNE during the middle of the day and rose to a heavy gale the following midnight with a high sea, fierce squalls and great rain. The S.S. *Loire Inférieur* experienced overcast, hazy and squally weather and a high sea. The wind had veered to NE early in the morning and rose to a NE typhoon at 1 p. in 20½° N, 114½° E. The wind veered to ENE, from which quarter it continued to blow hard till the following afternoon, when it veered to E.

At 9a. on the 13th the typhoon may have been in about 18° N, 111½° E. The barometer had risen a couple of hundredths of an inch in Luzon and a few tenths of an inch in the neighbourhood of Corea, but had fallen elsewhere. This was owing to the approach of another typhoon in the Pacific. In 20° N, 117° E it blew a strong NE breeze and the weather was wet and the sea heavy. It blew a gentle SW breeze in Luzon, where it rained heavily. It still blew moderate or strong NE gales accompanied by wet weather in the Formosa Channel. The *Mark Lane* in 20° N, 113° E experienced a strong NE gale with overcast and squally weather and a high sea. At Kiungchow (Hainan) a fresh ENE breeze and wet weather were registered. It blew a NW breeze in Tonquin.

At 9a. on the 14th the barometer had fallen about a tenth of an inch in northern Luzon, Formosa and along the SE coast of China and had risen as much in northern China. The weather in the area covered by the falling pressure was overcast and comparatively cold. Mist occurred on both the coasts

of the northern entrance to the Formosa Channel where the sea was very rough. A light SE breeze was reported from Luzon and NE breezes registered in Formosa and along the SE coast of China and a fresh E breeze between Ningpo and Japan. Typhoon II was probably at the time situated in the Pacific at a considerable distance east of the Bashee Channel. In the course of the day the wind reached the force of a fresh gale in the Formosa Channel. It blew from NE and NNE, the direction being evidently influenced by the trend of the coast and by the existence of the high mountains in Formosa. The weather was overcast misty and gloomy and light rain was falling. At S.Cape it blew a moderate SW gale.

At 9a. on the 15th the centre of the typhoon appears to have been in about 27° N, 122° E. The depression appears to have filled up to a great extent during the previous night and the force of the wind was much lighter although the typhoon had approached nearer to the coast. The barometer had fallen three-tenths of an inch at Steep Island and about half as much in Northern Formosa. The area with a falling barometer extended along the southern coast of China, but the barometer was beginning to rise in Tonquin and also in Luzon, as well as round the Gulf of Petchili and in Corea. It had fallen slightly along the Yang-tze-kiang as far as Ichang, but at the latter station it had risen a couple of hundredths of an inch. It blew moderate E breezes in the Yellow Sea and in SWestern Japan and moderate NE breezes along the Yang-tze-kiang. Fresh or strong E breezes were registered at the light houses between Shanghai and Ningpo. At the latter station a light NW breeze was registered. Moderate NE breezes prevailed in the Formosa Channel and along the Coast of China, but in Formosa strong S breezes prevailed. It blew a fresh S gale at S. Cape at 3p. In Luzon strong SW breezes appear to have prevailed and light W breezes round Hainan. The weather was overcast, misty and more or less wet as far north as Corea and Japan, as far south as Luzon and as far west as Swatow. The skies were blue over Iloilo and Tonquin. The S.S. *City of Peking* in 28½° N, 126° E experienced a falling barometer and a moderate ESE breeze, clouds coming from SE and the swell from about the same quarter. The weather was overcast, squally and wet. The S.S. *Ningpo* in 27° N, 121° E had experienced a fresh NE gale and a SE swell during the previous night; the wind backed now to NW and calmed down but the barometer continued to fall. The weather was hazy with rain. At the lighthouses outside of Shanghai the wind veered to SW in the course of the day, from which quarter it blew at 9p. and went down to a moderate breeze. At Ningpo a gentle NW breeze was registered throughout the day. At the lighthouses outside of Foochow the breeze was backing towards SW in the evening. The lowest barometer-reading 29.49 was registered at Middle Dog at 6p., and at Steep Island 29.27 at 9a.

The typhoon appears thus to have ceased blowing before the centre struck the coast. It may be traced as a shallow depression passing northwards close to and to the west of Ningpo. It passed between Chinkiang and Shanghai and was in about 34° N, 120° E at 9a. on the 16th. It blew a moderate N gale at Chinkiang on the afternoon of the 15th. This calmed down at night, backed and blew a fresh WNW breeze at 9a. on the 16th, at which time the barometer registered 29.51, about the lowest recorded. The weather was overcast and it was constantly wet. One inch of rain was measured on the 15th and the 16th. In Shanghai a fresh NE breeze blowing in the morning of the 15th calmed down and veered to W, from about which quarter the breeze came at 9a. on the 16th. The weather was constantly overcast and wet on the 15th and the 16th.

At 9a. on the 16th the SW monsoon prevailed over the China Sea accompanied by cloudy, foggy and thick weather. West of Hongkong the weather was remarkably fine and dry. The barometer was rising south of Ningpo and west of Kiukiang and also in Japan and North-eastern Corea, but was of course falling over the Yellow Sea and in Northern China. Strong SE veering to SW breezes were experienced by ships south-east of Shanghai beyond the lighthouses. The German Barque *Faugh-a-Ballaugh* bound from Tientsin to Hongkong had experienced a moderate E gale accompanied by heavy rain, squally weather and a falling barometer on the evening of the 15th. It blew a fresh SE gale during the night. At noon on the 16th in 34° N, 124° E it blew a moderate SE by S gale. The lowest reading of the barometer 29.38 was entered at 4p. During the following night the wind veered to SW and fell to a light breeze and the sky cleared partly.

At the NE Shantung Promontory it blew a fresh NE breeze accompanied by overcast and misty weather and drizzling rain on the evening of the 15th. This increased to a fresh NE gale and very thick weather on the morning of the 16th. At night it calmed down but rose again to blow a moderate NW breeze at midnight when the lowest reading of the barometer 29.53 (uncorrected) was registered, and this continued throughout the following day. At Chefoo it blew a strong NNE breeze at 9a. on the 16th. It backed to NNW at 9p. The weather was overcast and wet. At Houki it blew a fresh NE breeze on the 16th.

During the night between the 15th and the 16th it blew a fresh SE breeze at Port Hamilton and squally weather set in with heavy rain. The wet weather continued for several days but the breeze veered to SW, from which quarter it blew a fresh breeze during the night following the 16th. The lowest reading of the barometer 29.79 was registered at 4a. on the 16th but it did not rise more than one hundredth of an inch during the next 24 hours. At Yuensan in Northern Corea light NE breezes

prevailed till 3a. on the 18th at which hour the lowest reading 29.61 was registered. After this hour it blew moderate to light NW breezes. The weather was gloomy and passing showers were recorded. At Wladivostock wet weather set in on the 16th with a light E breeze. The lowest reading 29.60 was telegraphed at 7a. on the 18th.

The centre of the typhoon appears to have been in 37° N, 124° E at 9a. on the 17th. The wind increased in force while it crossed the Yellow Sea. When it entered Corea the wind calmed down again and no report of gales while it crossed the Sea of Japan have been received, except a fresh SE gale in Western Hokkaido on the morning of the 18th. The depression may be traced on the Tri-daily Weather-maps issued at Tokio. It appears possible that what was left of the depression may have been in 42° N, 142° E at 9a. on the 19th and that it may have passed away eastward, but it no doubt, about this time, ceased to exist.

The existence of Typhoon III was inferred from the register of meteorological observations in Luzon published daily since the 1st of **July** 1886 in the *El Commercio* of Manila. On the 7th JULY the barometer was falling slowly in southern Luzon and light NE breezes prevailed. Gradients were slight in the Far East. The temperature was high and and the humidity moderate in Southern China and high in the north. The weather was cloudy along the coast. Thunderstorms and local squalls were frequent. On the 8th the barometer continued to fall and gradients were slight for S or SW winds over the China Sea. On the 9th the barometer was falling steadily in Luzon (29.76 reported at 4p. from Manila) and had risen a little in Northern China. Gradients were very slight, the temperature and humidity moderate and the weather cloudy. On the 11th the barometer had risen a couple of hundredths of an inch in Manila and light N breezes prevailed in Luzon. On the 12th it had fallen again (29.78 reported at 10a. from Manila) in Luzon and along the SE coast of China. Gradients were moderate for NE winds over the China Sea and slight for SW winds in Northern China. The temperature and humidity were moderate or high and cloudy weather prevailed. The previous night was intensely hot and wet at Bolinao. Moderate SW breezes prevailed in Luzon and moderate NE breezes in southern Formosa. It appears that the typhoon which had approached Luzon from about SE had passed northwards in the Pacific keeping at a great distance from the various stations.

At noon on the 5th **August** the German Ship, *Hydra*, experienced in 19° 56′ N, 138° 7′ E overcast and squally weather. The barometer registered 29.88 and had fallen a couple of hundredths in the past 24 hours. The wind came from WSW and varied between a light and a fresh breeze. In Manila, where the barometer had shown an inclination to fall on the previous day, its height was registered at 29.88. At S. Cape the sea was quite smooth in the morning but about 3p. a heavy swell came in from NE and continued to increase. Gradients were slight for SW winds over the China Sea but the barometer was rising in Northern China and Japan was covered by an area of high pressure. The temperature was high, the humidity moderate and the weather cloudy along the Coast of China. The centre of Typhoon IV was probably in the neighbourhood of 24° N, 141° E at 9a. on the 5th and of 23°N, 139° E at 9a. on the 6th.

On that day the barometer rose in Luzon and along the Coast of China but the weather continued cloudy. The *Hydra* at noon in 20° 55′ N, 136° 47′ E experienced overcast and squally weather and a strong WSW breeze, which rose to a gale during the early morning hours of the 7th. The swell at S. Cape came from S and "continuous and heavy rain set in there with variable winds. The sky generally had a most threatening appearance, yet the barometer (29.80) stood abnormally high for such weather."

At 9a. on the 7th the typhoon appears to have been in about 23° N, 137° E. The barometer was rising in Luzon and along the Coast of China and gradients were gentle. The temperature was high, the humidity comparatively low and the weather cloudy. At S. Cape the swell came from SW but had somewhat decreased. The *Hydra* at noon in 19° 43′ N, 137° 16′ E experienced a W storm that backed to SSW in the course of the day. The weather was overcast and extremely heavy rain fell in severe squalls. There was a high NW sea. The barometer had fallen to 29.74 at 4a. and rose to 29.84 at 8p.

At 9a. on the 8th the typhoon appears to have been about 23° N, 135° E. In the course of that day the barometer on board the *Hydra* fell slowly to 29.72 at 8p. The wind backed to SSE and increased in force. The barometer had fallen several hundredths at all stations except in Northern China. The temperature was high, the relative humidity (51 in Shanghai) very moderate and cloudy skies prevailed. A high pressure and fine weather continued over Japan. It was evidently this area that determined the path of the typhoon according to the well-known law.

The swell at S. Cape had gone a little more westward and again increased and "about 5.30p. the clouds broke in the NE, from which quarter the breeze blew at the time and a strong glare of light was thrown down. A thin lower stratum of clouds was coming up with the wind but immediately above these were heavy clouds coming from the South. A miniature cyclone formed a few hundred yards from the Cape and in a few minutes attained a diameter of about 20 yards. It tore up the surface of

the sea and apparently drew down the rain-clouds and sweeping W disappeared in the drizzle. When last seen it had extended to a diameter of about 100 yards and moved as a compact black mass. The clouds were driving in all directions, while the wind fell to a dead calm. About 6.30p. the slight shock of an earthquake was felt." Later in the evening it blew a fresh ESE breeze with overcast, gloomy and misty weather.

Mr. TAYLOR, the chief light-keeper at S. Cape reports further: "at 5.30a. on the 9th the barometer began to give warning of an approaching depression and the wind rapidly rose and blew exactly from the same quarter from which the sea had come during the previous days. The wind never attained full typhoon-force, neither did the barometer fall very low. The rainy weather that preceded it had however made everything wet and loose so that considerable damage was done to dwellings along the coast of the island. The rainfall from 8p. on the 6th to 11a. on the 9th amounted to 13.40 inches."

The meteorological observations were as follows:—

Month.	Hour.	Barometer.	Wind.		Weather.	Month.	Hour.	Barometer.	Wind.		Weather.
			Dir.	Force.					Dir.	Force.	
Aug. 8,.....	9 p.	29.76	ESE	5	cg.	Aug. 9, ...	8.30 a.	29.44	SSW	10	omr.
„ 8,.....	Midt.	.73	ESE	5	omr.	„ 9, ...	9 a.	.56	SW	8	omrq.
„ 9,.....	3 a.	.63	ESE	5	omr.	„ 9, ...	9.30 a.	.61	W	7	omrq.
„ 9,.....	5.30 a.	.65	SE	6	omrq.	„ 9, ...	10 a.	.64	W/S	6	omrq.
„ 9,.....	6 a.	.50	SE	7	omr.	„ 9, ...	10.30 a.	.65	W/S	4	omrq.
„ 9,.....	6.30 a.	.44	SE	7	omr.	„ 9, ...	11 a.	.68	W/S	3	omr.
„ 9,.....	7 a.	.34	SE/S	8	omr.	„ 9, ...	3 p.	.70	WSW	3	cgm.
„ 9,.....	7.30 a.	.31	SE/S	8	omr.	„ 9, ...	9 p.	.75	WNW	1	c.
„ 9,.....	8 a.	.29	S	9	omr.	„ 9, ...	Midt.	.74	NW	1	c.

At Fisher Island it blew a light NNW breeze accompanied by overcast and misty weather with drizzling rain. At Takow it blew a fresh NNW gale from 9.30a. till 3p. with rain. The barometer fell a tenth. At Anping it blew a strong N breeze at 9a. and a strong NW breeze at 3p. with rain. The barometer fell nearly a tenth. Evidently Typhoon V passed between S. Cape and Takow about 8a. on the 9th moving towards the East.

At 9a. on the 9th typhoon IV appears to have been in about 22° N, 134° E. In the early morning hours on that day the wind experienced on board the *Hydra* had backed and increased to blow a SSE typhoon accompanied by terribly heavy rain and a mountainous sea. At noon in 20° N, 136° E the barometer had fallen to 29.65 and the squalls were fierce. In the evening a thunderstorm was reported to have raged, a feature most unusual in a typhoon. However at that time the ship was already a couple of hundred miles SE of the centre and the typhoon does not appear to have been quite developed till about the previous day. The American ship *Harvester* in 17° N, 130° E experienced a moderate W breeze which increased and blew a strong W gale during the following night. The barometer was falling slowly and the weather was partly cloudy, squally and threatening. The sea was broken and irregular and became heavy about midnight. Lightning was seen in the afternoon. The barometer continued to fall except in Northern China. The temperature was high, the humidity moderate and the skies partly clouded. Light SW breezes prevailed except in the Formosa Channel where it blew fresh N winds in several places.

At 9a. on the 10th the typhoon appears to have been in about 22½° N, 132° E. The *Hydra* in 21° N, 136° E continued to experieuce a SSE storm with fierce squalls and wet weather. The barometer was registered at 29.68. The *Harvester* in 18° N, 130° E experienced a strong W gale. The barometer had only fallen a few hundreths and was registered comparatively high. The barometer was nearly steady at all the stations on shore with very gentle gradients. The temperature was high, the humidity very moderate and the weather partly cloudy. It was fine in Northern Formosa. The high-pressure area continued over Japan.

At 9a. on the 11th the typhoon appears to have been in about 23° N, 131° E. The *Harvester* in 19° N, 130° E had still a strong WSW gale. The barometer had fallen a tenth, The weather was wet and the sea heavy. The *Hydra* in 21° N, 135° E still experienced a SSE storm, but it showed signs of abating it fury about this time. The barometer was registered at 29.77. On shore the barometer continued nearly steady, gradients gentle and the other atmospheric elements were likewise on the whole unchanged.

At 9a. on the 12th the typhoon appears to have been in 24° N, 128° E. The *Harvester* in 19° N, 129° E experienced a strong SW gale, a slowly rising barometer, overcast, squally and wet weather and a heavy sea. The wind registered on board the *Hydra* in 21° N, 134° E came still from SSE but fell from storm-force to blow a moderate breeze in the course of the day (barometer 29.83 at 9a.). The barometer had risen in Northern China and fallen in Corea, Southern Japan and China and in Luzon. At the lighthouses outside of Shanghai (29.69) and in Formosa the fall of the mercury exceeded a tenth of an inch. Moderate NE winds prevailed in the Yellow Sea. Moderate NW breezes with wet weather in Northern Formosa, moderate to fresh N breezes in the Formosa Channel, a moderate WNW breeze at S. Cape (barometer 29.55) and gentle W breezes over the China Sea. Cloudy weather prevailed in the South, while it was generally clear in Northern China and it was fine and extremely dry in SWestern Japan.

At S. Cape (bar. 29.51) it blew a moderate WNW gale at 9p. on the 12th. At Keelung it blew a strong breeze from the same quarter. At North Saddle (bar. 29.61) it blew a fresh NE gale with misty and squally weather and a rising sea. In this part of the Eastern Sea a N storm and a terrific sea were encountered in the course of the night. SW of Japan the M.M. S.S. *Menzaleh* experienced a whole gale from the ENE (bar. 29.14) and severe weather.

At 9a. on the 13th the typhoon appears to have been in 26° 12′ N, 125° 37′ E. The barometer had risen in Corea. There as well as in SWestern Japan it was blowing gentle ENE breezes in several places accompanied by squally and partly cloudy weather. Along the Yang-tze-kiang the barometer had fallen a couple of hundreths but the sky was blue. At the lighthouses East of Shanghai and Ningpo the barometer had fallen a tenth and upwards and the weather was overcast and squally. It was blowing a fresh NE gale. The German barque *Faugh-a-Ballaugh* in 28° N, 121° E experienced a strong NW breeze (bar. 29.37) that increased to a strong gale from the same quarter in the evening. The S.S. *Fero* in 28° N, 122° E reports a terrible cross sea (bar. about 29.44). The M.M.S.S. *Menzaleh* in 28° N, 123° E reports a fresh N gale with a very high sea. The P. & O. S. S. *Bokhara* in 27° N, 121° E reports strong NW gale with fierce squalls, thick weather and heavy confused NE swell. The barometer was falling at the rate of about 0.05 an hour. The S. S. *Chiyuen* at anchor in Taichow harbour reports a strong NNE gale. In the northern entrance to the Formosa Channel the barometer had fallen two tenths during the past 24 hours. The weather was squally and wet. The wind came from WSW, deflected evidently from local causes, blowing a gentle breeze on the mainland and a strong gale in Northern Formosa (bar. 29.39). At S. Cape it blew a strong WNW breeze (bar. 29.50). In the China Sea there blew light SW breezes with occasional rain squalls and overcast skies prevailed. The barometer had fallen about a tenth in Southern China. The air was hazy in Manila and in Tonquin.

At noon on the 13th the centre appears to have been in 26° 35′ N, 125° 12′ E. Ships between Ningpo and Wenchow report strong N gales and those between the latter port and Foochow moderate NW gales. In Northern Formosa it blew a strong SW gale (bar. 29.35) evidently caused by the wind being impelled through the narrow strip of sea by the higher pressure (bar. 29.47) covering the broad southern portion of the Formosa Channel. The *Hydra* in 21° N, 132° E had a moderate SSE breeze and the weather continued wet (bar. 29.88).

At 3p. on the 13th the typhoon appears to have been in 26° 58′ N, 124° 53′ E. Outside of Shanghai it blew a fresh ENE gale (bar. 29.47) and between Ningpo and Wenchow strong NNE gales (bar. 29.30). Between Wenchow and Northern Formosa it blew NW whole gales. Outside of Wenchow a whole gale from NNW was reported. At Keelung it blew a strong SSW gale (bar. 29.24). At S. Cape a strong W breeze was registered (bar. 29.46).

At 6p. on the 13th the typhoon appears to have been in 27° 22′ N, 124° 33′ E. The gale experienced by ships in the neighbourhood of Wenchow was increasing in force and the barometer fell steadily.

At 9p. on the 13th the typhoon appears to have been in 27° 50′ N, 123° 57′ E. It blew a fresh ENE gale outside of Shanghai (bar. 29.50), with storm force from NW to the East of Wenchow and a strong W gale just to the North of Formosa.

At midnight on the 13th the typhoon was in 28° 15′ N, 122° 33′ E. Between the centre and the mainland it blew a N backing to WSW typhoon. From 60 to 100 miles S and SW of the centre some fearful W or WSW squalls were recorded. In the centre of the typhoon the barometer fell to about 28.40 judging from the most reliable log-books.

At 3a. on the 14th the typhoon was in 28° 22′ N, 121° 23′ E. The centre struck the coast just at this time. West of the centre it blew a strong NW gale East of the centre it blew a typhoon from ENE veering through E towards SW. At Ningpo it blew a strong E gale (bar. 29.25). 30 miles NE of the centre the wind changed suddenly from NNE to ENE in a terrific squall. North of Formosa (bar. 29.28) it blew a SW whole gale. At S. Cape (bar. 29.48) it blew a strong breeze also from WSW.

From the entries in log-books and registers kept on shore on the 13th, and on the morning of the 14th it appears that a gradient of 0.02 inches in fifteen miles corresponded to a force of wind equal to 6, 0.03 to 7, 0.04 to 8, 0.05 to 9, 0.07 to 10, and 0.09 to 11, but these figures are of course somewhat uncertain. On the evening of the 13th it blew with the force of a strong breeze fully 400 miles away from the centre, with the force of a strong gale nearly 300 miles away and with typhoon force nearly 120 miles away. In the early morning hours on the 14th it blew with the force of a strong breeze 370 miles away from the centre; with the force of a strong gale about 200 miles away and with typhoon force about 50 miles away. The bull's-eye of this typhoon must have been very small, as it is not recorded in any log-book that I have seen. It was accompanied by diluvial rain and surrounded by an area with very moderate humidity.

At 9a. on the 14th the typhoon appears to have been in 28° 35′ N, 120° 0′ E. The barometer had risen round the Gulf of Petchili. It had fallen about a tenth along the Yang-tze-kiang, except at Ichang. The weather was overcast East of Wuhu and clear West of that station. Moderate E breezes prevailed in the Yellow Sea. Between Shanghai and Ningpo the force of the wind was registered between a strong breeze and a strong gale from SE. The weather was overcast, gloomy, squally and wet. SE of the centre near the coast it blew a whole gale from SSE and about Northern Formosa a moderate gale from the same quarter. In the Formosa Channel the humidity was very moderate, the weather was improving, but there blew still a strong SW breeze. Light SW breezes prevailed in the China Sea. The barometric pressures were distributed as follows: Nagasaki 29.92, Steep Island 29.52, Chinkiang 29.46, Ningpo 29.29, on board ship in harbour near Wenchow 28.75, Foochow 29.26, Keelung 29.38, S. Cape 29.53, Hongkong 29.58, Manila 29.83. The high pressure area continued over Japan. In the evening it blew a moderate gale, at times increasing to a fresh gale in Kiukiang. The weather was overcast and gloomy but with only a few drops of rain.

At 9a. on the 15th the typhoon appears to have been in 29° 12′ N, 118° 23′ E. At Kiukiang a moderate NE gale continued, the barometer (29.45) had fallen over two tenths. At Wuhu there blew a strong NE breeze, at Hankow a strong N breeze and it was cloudy, but it was clear and calm at Ichang. Between Shanghai and Ningpo, it blew a moderate SE gale. At Ningpo a gentle SE breeze (bar. 29.43). In the northern entrance to the Formosa Channel it blew a moderate SSE gale and fresh SW breezes prevailed along the SE coast of China. In Swatow the barometer registered 29.56 and in Manila 29.86. Light SW breezes prevailed in the China Sea and moderate SE breezes in the Yellow Sea.

At 9a. on the 16th the typhoon may have been in 31° 56′ N, 116° 35′ E. It blew a moderate NW breeze in Kiukiang (bar. 29.50) and a fresh SE breeze in Chinkiang, but the typhoon had really ceased to exist as such, although it may be traced as a shallow depression (min. bar. 29.40) on the mainland, but at sea between Shanghai and Northern Formosa it still blew a fresh SSE gale accompanied by constant rain, and the typhoon was as usual followed by thunderstorms in Southern China.

The typhoon disappeared in its motion northwards. It is possible that there was a trace of it in 38° N, 115° E at 9a. on the 17th. It blew a strong ENE breeze with misty and wet weather in the Gulf of Petchili and a fresh S gale at Shantung Promontory. At Taku it blew a moderate ENE breeze. The weather was fine along the Yang-tze-kiang. Along the East Coast of China the S monsoon blew a gale in different places. The barometer stood high in Corea.

Light SW winds prevailed over the China Sea and the barometer was rising on the whole till the 26th when it began to fall in Luzon (bar. 29.91) but meantime Typhoon VI had crossed Japan. It approached Southern Kiusiu coming apparently from somewhere between SE and SSE. Its track is laid down by aid of the weather maps issued at Tokio. At 9a. on the 20th it was in 28½° N, 132° E, on the 21st in 33° 33′ N, 130° 37′ E, on the 22nd in 36° 20′ N, 133° 1′ E, on the 23rd in 39° 14′ N, 137° 27′ E, on the 24th in 40° 0′ N, 141° 23′ E. It then passed Eastward but the depression had greatly decreased. On the 21st the barometric minimum height was about 29.25.

At 9a. on the 27th Typhoon VII was in about 17° 18′ N, 122° 20′ E. The barometer had risen about a tenth of an inch in China, but it was steady at S. Cape, where it blew a gentle NE breeze. At Bolinao it had fallen a tenth and it blew a gentle NW breeze, the clouds coming from the North. In Manila it blew a moderate S breeze but at sea to the West of Luzon it blew a fresh N breeze and the sea was rising fast. The *Hydra* in 20° N, 121° E had a fresh NE breeze with squally and wet wet weather. In the afternoon the typhoon crossed Luzon, The lowest reading reported from Bolinao was 29.73 at 4p. at which time 29.84 was reported from Manila. It blew a moderate NW breeze at the former station with wet weather. At 5p. when the centre had just passed about N of that station the wind turned to S with furious squalls and very heavy rain. Thereafter it blew a fresh breeze. But the typhoon did not attain to any notable force till it had fairly entered the China Sea. The S.S. *Vorwærts* bound from Hongkong to Iloilo at noon in 17° 39′ N, 118° 9′ E had a strong N breeze, a high confused swell and very bad weather. The barometer was falling rapidly on board and at 9p. in about 15° N, 118° E a typhoon suddenly sprang up from SSE with great rain and a tremendous sea. This lasted till 6a when it blew from the S with decreasing force. At 11a. on the 28th the steamer was laid on its course and proceeded.

At 9a. on the 28th the typhoon appears to have been in 17° 3′ N, 116° 7′ E. The barometer had fallen in Northern China, was steady in the Formosa Channel and along the South Coast of China where gentle ENE breezes prevailed but with a tremendous swell in the sea except round the Gulf of Tonquin, where it had risen a tenth and where gentle ESE breezes were blowing. From Luzon gentle SE breezes prevailed but West of the island it blew strong from the South. In Cochin-China the barometer was high the wind light and the weather fine. Several ships a couple of hundred miles WSW of the centre report fresh winds and squally weather.

At noon in 16° 39′ N, 113° 16′ E the S.S. *Glengarry* had a moderate WNW breeze with squalls and heavy rain (bar. 30.10 uncorrected and too high). The wind increased and veered to NW, the sea rising and a heavy bank of clouds was seen to the Eastward. At 6p. (bar. 29.80) it blew a heavy NW gale with terrific squalls and high confused sea and the gale was veering. At 8p. (bar. 29.22) the wind lulled but there was a mountainous sea running. At 8.30p. the lowest reading of the barometer 29.12, which must be at least 0.30 too high, was registered and at 8.40p. the wind suddenly shifted to SE and blew with increased fury and terrible squalls and a mountainous sea from the ESE. At 1a. on the 29th the bar. (29.86) was rising quickly and the wind blew from SSE.

At 9a. on the 29th the typhoon appears to have been in 16° 50′ N, 110° 55′ E. The S.S. *Deuteros* about 50 miles NE of the centre experienced the full force of an E typhoon (bar. 28.72) which did great damage to the ship. The gradient appears to have been about 0.30 inches in 15 miles at this hour. Subsequently the wind veered towards S and decreased in force. At the same time the S.S. *Atalante* about 60 miles SSW of the centre experienced a violent SW storm with high WSW sea and torrential rain. South of Hainan it was blowing a NNE storm, while a fresh NE breeze was registered at Kiungchow; the barometer (29.81) had fallen about a tenth in the past 24 hours. In the Formosa Channel (bar. 29.89) gentle ENE breezes and fine and dry weather prevailed, and light SE breezes also with fine and dry weather in Luzon. Calm weather but a swell in the sea were reported from the coast of Cochin-China.

At 4p. on the 29th the centre appears to have entered the coast of Annam. The lowest reading of the barometer (29.68 uncorrected) reported from Haiphong was made at that hour. It was 29.79 at the same hour in Kiungchow. The wind was E and the air misty. Fresh SW breezes were registered on board ship outside of Saigon. Strong SE breezes blew E of the centre, moderate S gales to the SE of Hainan and fresh NE winds in the Gulf of Tonquin. Light winds and fine weather prevailed in China and Luzon.

It appears to have blown with full typhoon force within about 50 miles of the centre of this typhoon. Nearer the centre the wind calmed down. It blew a strong breeze on an average about 200 miles from the centre. Lightning was seen on board ships situated beyond about 150 miles to the East and South of the centre.

On the 1st **September** the barometer had fallen to the SE and risen to the N and W of Hongkong. Gradients for NE winds were moderate. At 10a. the barometer was registered at 29.71 in Iloilo. The weather was fine with moderate SW winds. It would appear that Typhoon VIII was at this time approaching from the East.

On the 2nd the barometer was falling in China and in Luzon but has risen in Iloilo to the Southward of Luzon.

On the 3rd the barometer had risen in the West and fallen in the East. The temperature was high, the humidity comparatively low and cloudy weather prevailed. The S.S. *Killarney* in 15° N, 133° E had a moderate WSW breeze and smooth sea, but the barometer (29.85) was falling steadily. In the afternoon the wind backed and increased to blow a strong SW breeze in gusts and a heavy cross sea got up.

On the 4th the barometer had risen slightly and gradients were very gentle in the South. The temperature was high, the humidity low and the weather fine except in Tonquin, where it was wet. The S.S. *Killarney* in 18° N, 130° E, had a strong increasing to a whole SSW gale, while the barometer fell from 29.70 at noon to 29.30 at midnight. Lightning was observed to the South and East.

On the 5th in 21° N, 129° E the same steamer experienced still a whole gale from SSW and the barometer fell from 29.20 at noon to 29.10 at midnight. Thunder was heard on that day and great lightning was observed. In the evening it began to blow a typhoon from the same quarter.

On the morning of the 6th the wind still increased and backed towards SSE. At noon in 21° N, 129° E the barometer had fallen to 28.90. The seas were mountainous. The typhoon blew from SE. The ship was all a mass of foam in which you could not see the man beside you. The cabin was full of water and great damage was done on deck. The ship's head was put to SSE, which bowed to sea much better. At midnight it blew from ESE (bar. 28.40).

On this day the barometer was falling along the SE coast of China but had risen in Japan and in Tonquin. Gradients were slight for W winds over the China Sea. The temperature was moderate the humidity low and cloudy weather prevailed. At 9a. the barometer had fallen slowly to 29.71 at S. Cape and began about this time to rise slowly and irregularly. The weather was fine. Light variable airs continued, light N airs prevailing.

On the 7th in 21° N, 128° E the S.S. *Killarney* experienced the typhoon from the E. The barometer fell in the course of the day to 28 10 and began then to rise very slowly.

The barometer was steady in the Philippines, had risen a few hundredths in SEastern China and along the Yang-tze-kiang and was beginning to fall in SWestern Japan. Fresh E breezes prevailed in Corea where the weather was wet, and fresh NNE breezes and overcast and unusually dry weather in the Formosa Channel.

On the 8th there was not much change. Between Ningpo and Nagasaki it blew fresh N breezes. On board the S.S. *Killarney* in 21° N, 128° E a violent ENE typhoon was experienced (bar 28.20). It was impossible to stand on the bridge without being lashed. A heavy broken sea was washing all over the ship, which was lying as a helpless wreck in the trough of the sea. The same weather continued till the evening of the 9th when the wind backed to NE and decreased to storm-force, the full typhoon-force having been experienced for four days without interruption. At midnight the height of the mercury was registered as 29.00 and steam was being got up.

At 9a. on the 9th the barometer had risen everywhere except in Japan. There was not much change otherwise. Between Formosa and Ningpo it blew a moderate NNW breeze and a fresh N breeze and a heavy swell between Ningpo and Nagasaki.

In order to determine the path of Typhoon VIII there are no data available except those furnished by the log-book of the S.S. *Killarney*, which Captain O'Neill was good enough to explain to me. The other returns indicate merely the existence of a typhoon somewhere to the Eastward of the Balingtang Channel. Now in order to graphically account for everything put down in the log-book, it would be necessary to draw a typhoon-path of an unique nature with the centre dancing about in 20° and 21° N, 126° and 129° E between the 5th and the 9th of September, but it would not be possible to prove the accuracy of the drawing from the data furnished from this single vessel and it must be remembered that the crew were in the utmost danger and scarcely expected to save their lives. It is however pretty clear that the centre of the typhoon must have been nearly stationary between the 5th and the 8th. On the 3rd it may have been in about 19° N, 133° E, on the 4th in about 20° N, 130° E, on the 6th in about 20½° N, 128° E and on the 8th in about 21° N, 127° E, but this is very uncertain.

At 9a. on the 10th the centre appears to have been in about 24° N, 128° E. The S.S. *Killarney* in 23° N, 126° E had a moderate NNW backing to NW gale. The weather was clearing but there was still a heavy cross sea on. The barometer was steady in Formosa and Southern China but was falling in Northern China, Corea and in Japan. It had fallen a quarter of an inch in Nagasaki (bar. 29.52). It blew a moderate NW breeze between Formosa and Ningpo, with a heavy sea and a strong N to NE breeze between Ningpo and Nagasaki. A moderate NW gale was registered at Steep Island. The weather was wet in Corea. The barometer had risen in Siberia where the sky was blue.

The centre entered Japan about 9p. and crossed the SWestern Islands. Mr. Knipping states that it travelled at the rate of 30 miles an hour. Miyasaki gave the lowest barometrical reading 28.54 at 9p. The steepest gradient was about 0.12 inches in 15 miles.

At 9a. on the 11th the centre appears to have been in about 38° N, 132° E. The S.S. *Killarney* in 25° N, 124° E had a gentle WNW breeze (bar. 29.70) but the sea was very heavy. At Steep Island it blew a moderate WNW gale. In Corea it blew light W breezes, the weather was overcast gloomy and wet and the barometer had fallen from 2 to 3 tenths. At Yuensan 1.54 inches of rain were measured. From Wladiwostock a moderate NE breeze and similar weather was reported. The barometer had fallen at all stations in the Far East except straight S of the centre. This may have been partly due to the next typhoon. In the evening it blew a moderate NE gale at Newchwang.

At 9p. the barometer had fallen to 29.40 at Wladivostock. It blew a fresh N breeze. At Yuensan it had fallen to 29.57. It rained at the former but rain had ceased at the latter station where it blew only light W breezes.

At 9a. on the 12th the typhoon was in about 42° N, 130° E. The barometer was rising in Wladivostock where it blew a strong ESE gale. Fresh NW breezes prevailed in the Gulf of Petchili and light WSW breezes in Corea. The barometer had fallen about a tenth round the Gulf and had risen a few hundredths in Southern China but had fallen a few hundredths at S. Cape, where it blew a gentle N breeze and the weather was squally. The typhoon moved NWestward and it blew a fresh SE breeze with a rising barometer at Wladivostock next morning.

On the 13th the barometer was rising at all stations in the Far East. Gradients were slight for NE winds. The temperature was moderate, the humidity rather low and the weather fine. On the 14th the barometer had fallen a few hundredths in Southern Japan, Corea and at the light-houses between Shanghai and Ningpo, but continued steady in Southern China and in the Philippines (Manila 29.92 at 10a). Gradients were gentle. The temperature had risen.

At 9a. on the 15th the centre of Typhoon IX appears to have been approaching Southern Japan The barometer had fallen slightly at all the stations. The temperature was high, the humidity low and the weather cloudy but fine.

At 9a. on the 16th the typhoon appears to have been in about 28° N, 133° E, about 10p. the centre entered Southern Kiusiu. At 9a. on the 17th it was in 34° 9′ N, 132° 10′ E and on the 18th in 40° 1′ N, 139° 6′ E. It then passed NEastward. Mr. KNIPPING remarks that the lowest barometrical reading (29.21 in Aomori) was made in the north instead of the south.

But already on the 15th a smaller typhoon had made its appearance in the China Sea to the West of Luzon. Gentle NE breezes prevailed in Southern China and light S breezes in Luzon.

At 9a. on the 16th Typhoon X may have been in about 18° N, 118° E. The barometer had fallen nearly a tenth in China, Tonquin and Corea. In Luzon the fall was greatest in the NW, where it amounted to about two tenths. Gentle NE breezes and partly covered skies prevailed in Southern China. The temperature was high and the humidity very low. In Luzon it blew gentle SE breezes. The temperature was low and the weather wet. The S.S. *Euphrates* in 16° N, 111° E had a moderate NW breeze and a slowly falling barometer, but the sky was blue.

At 9a. on the 17th the typhoon appears to have been in 20° N, 119° E. The barometer had risen slightly in Luzon (Manila 29.80) where light S breezes prevailed with overcast skies. It had fallen a couple of hundredths in Southern China and Formosa. Light NW breezes and fine weather prevailed along the southern coast. At Breaker Point it blew a moderate N breeze (bar. 29.75). In Formosa (S. Cape, bar. 29.71) and in the Channel it blew a fresh NE breeze and overcast weather with light rain in places prevailed. There was a heavy sea and great NE swell between Hongkong and Breaker Point. The S.S. *Euphrates* in 18° N, 112° E had a moderate NW breeze and blue sky but great swell in the sea.

At 9a. on the 18th the typhoon appears to have been in 21° 37′ N, 119° 2′ E. The barometer had risen over Luzon, where light S breezes and overcast and wet weather prevailed. At S. Cape (Formosa) the barometer (29.61) had fallen a tenth. It blew a moderate SE breeze and the weather was wet. Light NW breezes and fine weather prevailed along the southern coast of China. Strong NE breezes and showery weather prevailed in the Formosa Channel. The weather was fine, the barometer had risen and light winds prevailed in Northern China.

At 9p. on the same day the centre was in 22° 58′ N, 118° 51′ E, at 3a. on the 19th in 23° 31′ N, 118° 19′ E, at 6a. in 23° 46′ N, 117° 52′ E, at 9a. in 24° 5′ N, 117° 32′ E, and at noon in 24° 15′ N, 117° 7′ E.

From observations made within about a hundred miles of the centre it appears that the angle between the wind direction and the radius was 65° in the anterior and 42° in the posterior semi-circle. It blew a strong breeze 150 miles away to the northward but only within 45 miles to the southward. It blew a strong gale 40 miles away to the north and 25 miles to the south. Storm force was not reached till within 15 miles, and this wind-force was apparently not exceeded. The barometer was not reported to have fallen below 29.40. It was overcast within 150 miles to the north and within 60 miles to the south. Drizzling rain extended to nearly as far. Rather heavy rain fell within 80 miles to the north and 40 miles to the south. Flashes of lightning were seen to the north beyond 60 miles.

At 9a. on the 19th the weather was clearing in Luzon and continued fine along the southern coast of China. In Southern Formosa it blew from light to strong SE breezes. The barometer was rising but drizzling rain was falling. In the Formosa Channel strong NE breezes, heavy seas and thick rainy weather with extensive mist prevailed. 1.90 ins. of rain were measured at Fisher Island and 2.60 at Chapel Island. In Northern China the barometer was rising and the weather was fine. But at Kiukiang it blew a moderate NE gale.

At 9a. on the 20th the centre had passed NWestward inland in China. Light SW breezes, a rising barometer and cloudy weather prevailed in the Philippines. Fine weather and light winds from various directions obtained along the southern coast of China. Fresh NE breezes and mostly cloudy and gloomy weather were reported from the east coast. The weather was fine along the Yang-tze-kiang and gentle ENE breezes prevailed except at Kiukiang, where it blew a strong NE breeze. The weather was overcast and gloomy but no rain was collected.

At 9a. on the 21st the barometer was rising over the China Sea and falling in Northern China. Fresh NE breezes blew along the east coast of China. The temperature was high, the humidity moderate and cloudy and misty weather prevailed. At this time Typhoon XI was approaching Formosa from the East.

At 9a. on the 22nd this typhoon may have been in about 22° N, 127° E. The barometer had fallen in Formosa and along the SE coast of China as well as in Japan and Corea and in NEastern Luzon. It had risen elsewhere. The lowest reading at S. Cape 29.50 was registered at 3p. when it blew a fresh NW gale. Fresh NW breezes prevailed in Formosa. Strong NE breezes at sea E of Ningpo. Light breezes and overcast weather prevailed in Luzon.

At 9a. on the 23rd the typhoon may have been in about 25° N, 128° E. The barometer had risen except between Shanghai and Northern Formosa. East of this part of the coast it blew a moderate to strong NNE gale with squally weather and a very high sea. From Nagasaki a fresh NE breeze was reported.

At 9a. on the 24th the typhoon may have been in about 27° N, 130° E. The barometer was falling in Northern China and in Japan. Nagasaki reported 29.53 and a strong NE breeze. It was rising in Southern China and Formosa. It blew a moderate N gale outside of Ningpo. Fine weather prevailed along the coasts of China.

The centre touched the SE coast of Kiusiu about 2p. Mr. KNIPPING states that "the speed with which it travelled rose from 3 to 47 miles an hour, and then fell to 28 miles. The barometer fell to 28.94 in Southern Kiusiu. Kiusiu, Shikoku and West Japan stood the brunt of the typhoon, and were severely ridden by storms, high tides and floods. Miyasaki, for instance, reported 5.55 inches of rain from 9p on the 23rd to 6a. on the 24th; from that hour to 2p. on the same date 7.84; up to 9p. still another 6.10, or 19.49 inches of rain in 24 hours!"

The typhoon passed SE of the British Squadron in 42° N, 138° E and the path has been slightly modified in accordance with the returns received from the men-of-war.

At 9a. on the 25th the centre appears to have been in 40° 53′ N, 139° 3′ E. It moved away towards ENE or E by N.

Typhoon XII passed ENEastward to the south of Tokio on the 27th.

The month of **October** set in with persistent NE gales, threatening and squally weather and heavy showers over the middle of the China Sea. On the 5th and 6th it blew fresh E winds along the Southern Coast of China, fresh N and NE winds in the Gulf of Tonquin, fresh NE winds in the China Sea about 13° N latitude and fresh WSW and SW breezes accompanied by squally and wet weather from this latitude down to the Equator. There appears also to have been a barometric depression accompanied by a high sea about 12° N or 13° N latitude but no definite signs of a typhoon although a swell was noticed as far as the Gulf of Siam.

At 10a. on the 6th the barometer (29 93) began to fall in Manila. It was rising along the Coast of China and gradients for NE winds were increasing. The weather was fine though misty over Luzon. The winds in the China Sea were increasing in force and the sea was rising. On the 7th and on the 8th there were indications in Luzon of a depression to the E and NE of the island.

At 9a. on the 9th the centre of Typhoon XIII may have been in about 19° N, 122° E, but its proportions must have been very small, at S. Cape (bar. 29.88) it blew a fresh NE breeze and at Manila (bar. 29.84) a fresh SSW breeze with passing showers. The clouds came from NW the previous evening but were reported stationary from Bolinao next morning.

At 9a. on the 10th the typhoon may have been in about 19° N, 120° E. Light SW breezes and squally and wet weather were reported from Luzon (bar. 29.86 in Manila). At S. Cape (bar. 29.75) it blew a fresh NE breeze and the air was misty. The barometer had fallen about a tenth along the southern coast of China. Fresh NNE breezes blew in the Formosa Channel, and fresh SW breezes prevailed over the China Sea below the latitude of the typhoon.

At 9a. on the 11th the typhoon appears to have been in about 19° N, 118° E. The barometer (29.82 in Hongkong) had fallen a few hundredths but had risen to the East of the centre. The barque *F. H. Drews* in 17° N, 118° E had bad weather, high SW and NE cross swell and fresh SW breeze. The typhoon consisted therefore at this time in only a small depression. The S.S. *Cairngorm* south of Hongkong had very strong ENE wind with squally weather, heavy showers and a high sea.

At 9a. on the 12th the typhoon appears to have been in about 19° N, 116½° E. The barque *Bua Pan* in 20° N, 114° E experienced an increasing NE breeze with a heavy cross sea. The *F. H. Drews* in 18° N, 118° E had a light SE breeze with high NE sea and swell. In a lower latitude it blew a moderate SW breeze accompanied by bad weather. It blew a NE gale in the Formosa Channel.

At 9a. on the 13th the typhoon appears to have been in about 19° N, 115° E. The *F. H. Drews* north of the centre experienced the full force of the typhoon, which only at that time may have reached its full violence, from the E. Along the SE coast of Hainan it blew a fresh NNW breeze and the weather was threatening.

At 9a. on the 14th the typhoon appears to have been in 18° 42′ N, 112° 37′ E. At Kiungchow the sky was blue with a fresh N breeze (bar. 30.03) and at Pakhoi it was cloudy with a strong NE breeze (bar 30.11). The *Bua Pan* in 19° N, 114° E had a very heavy E gale which quickly veered to SSE (bar. 29.54 uncorrected) with very strong gusts, confused sea and heavy rain. The S.S. *Benarty* West of the centre experienced an increasing N by W gale (bar. 29.80). At noon in 18° 38′ N, 111° 20′ E the rain was blinding and the seas broke over the ship both fore and aft. At 3.30p. the barometer (28.70) stopped falling for twenty minutes and a great number of small birds settled on deck. This would indicate the diameter of the bull's eye not having exceeded 5 or 6 miles. At 3.45p.

the barometer began to rise rapidly and the wind burst from the opposite quarter blowing with hurricane force for about 15 minutes followed by a lull of a few minutes duration after which there came another blast of about 10 minutes duration when it blew if possible harder than before. After this the weather improved rapidly but a strong E gale followed with a heavy sea. The following are the corrected readings of the barometer:—10a: 29.70, noon: 29.59, 2p: 29.45, 3p: 28.71, 4p: 28.85, 5p: 29.15, 6p: 29.45, 7p: 29.58, 10p: 29.75, midt: 29.85. This would indicate storm-force with a gradient of about 0.10 inches in 15 miles and that the steepest gradient in the typhoon, which was even now, when its energy was fully developed, of small dimensions, amounted to as much as three quarters of an inch in 15 miles. East of the typhoon it blew E gales and a strong E breeze near the NW corner of Luzon, but this was due partly to the next typhoon which was at the time approaching the Philippines from the East.

At 9a. on the 15th the typhoon appears to have been in about 18° 25′ N, 108° 22′ E. The weather was wet in Tonquin, a fresh N breeze blew in the upper part of the Gulf. At Kiungchow (bar. 30.02) it blew a light E breeze. SE of Hainan it blew light breezes from various directions. The barometer stood high in China (Shanghai 30.25, Hongkong 30.10) and gradients were steep for NE winds. In the Bashee Channel and to the NW of Luzon below the high pressure area on the mainland it blew whole gales from E and NE respectively. The barque *Litchfield* in 21° N, 128° E had a moderate ENE breeze. Along a line between 15° N or 16° N, 110° E and 10° N, 120° E there appears to have been a trough of somewhat lower pressure which was subsequently traversed by the typhoon. SW of this between Cochin China, the Gulf of Siam and Northern Borneo the barometer registered from 29.95 to 29.96, there was scarcely any gradient but it blew light N and NE airs. The weather was fine but the swell caused by the last typhoon was very pronounced. In Luzon it blew from light to strong N breezes. The barometer had fallen several hundredths (Manila 29.92). The Barque *Johanna* in 10° N, 118° E had a gentle NW breeze (bar. 29.81) with gloomy, wet and squally weather and a rising sea. The centre of Typhoon XV appears to have been in 11° 25′ N, 124° 47′ E to the NE of Iloilo. At Negros in about 10° N the barometer had risen to 29.87 at 10a. on the 13th, when the weather was calm and fine. Next day (bar. 29.82 at 10a.) it began to blow from NW, clouds came up and it was raining in the evening. At 10a. on the 15th (bar. 29.64) it blew hard from W. After noon it blew in hurricane-like squalls from SW with torrential rain. About 3p. the barometer began to rise, the wind slightly moderated, but the storm continued from SE during the night (bar 29.75 at 7p). Next day was fine and calm (bar. 29.85 at 10a.). The typhoon was evidently very small on the 15th.

The Barque *Johanna* in 11° N, 118½° E experienced an increasing NW breeze, with squally weather, heavy rain and a high sea. At midnight the barometer had fallen to 29.48 and lightning was seen to the southward. The wind increased after this and backed to S from which quarter it blew a strong gale at 4a. with torrents of rain. The wind decreased thereafter and blew a moderate SE breeze (bar. 29.69) at noon on the 16th. The typhoon must still have been of very small dimensions as it appears to have passed within 60 miles to the northward of the barque, but the wind was as usual strongest to the north of the centre; there it blew strong NE gales as far as 19° latitude.

The position of the centre appears to have been at midnight 11° 55′ N, 119° 15′ E, at 9a. on the 16th 12° 25′ N, 116° 42′ E and at noon 12° 36′ N, 115° 22′ E. At the latter hour it blew fresh N breezes along the western shore of the China Sea and strong N breezes a few degrees farther to the East, while E gales were experienced by ships in the middle of the sea to the westward of Luzon.

At 3p. on the 16th the typhoon was in 12° 53′ N, 114° 25′ E, at 6p. in 13° 0′ N, 113° 35′ E, and at midnight in 13° 15′ N, 112° 40′ E. It blew a moderate gale N and NE of the centre as far as 19° N. A strong NE breeze in 21° N, 125° E was also reported by the *Litchfield*. The sea was high in the China Sea and a swell appears to have been noticeable everywhere. Lightning was frequent South of 11° N latitude.

At 3a. on the 17th the centre was in 13° 40′ N, 112° 10′ E, at 6a. in 13° 50′ N, 111° 46′ E and at 9a. in 13° 58′ N, 110° 2′ E. The typhoon entered Cochin-China a few hours after this.

The isobars appear to have been elliptical the major axes pointing towards ENE and WSW. The centre of the isobar corresponding to 29.70 lay about 40 miles SW of the centre of the typhoon. The axes of this isobar were respectively 370 and 290 miles long. Those corresponding to 29.60 were 270 and 210, to 29.50 they were 190 and 160 miles. The average diameters of the isobars corresponding to 29.40, 29.20, and 29.00 were 120, 80 and 45 miles. The calm centre must have been small as it was not met by any of the many ships involved in this typhoon. When the centre first entered the China Sea it blew with the force of a strong breeze within 120 miles of the centre, but on the morning of the 17th the typhoon had expanded and it blew with that force within 180 miles. This however does not refer to the region of the sea to the N and NE of the centre where it blew strong breezes as far as 19° N. It blew a whole gale within 75 miles, a storm within 45 miles and with full typhoon force within 30 miles of the centre. On an average a gradient of 0.02 inch in 15 miles corresponded to force 6, of 0.03 to force 7, of 0.04 to force 8, of 0.05 to force 9, of 0.07 to force 10, of 0.10 to force 11 and of 0.20 to full typhoon force. It will be remarked that gradients were steepest to the N and NE of the centre. The angles between the radius and the direction from which the wind blew was 69° to

the NW of the centre, 52° to the NE. 58° to the SE and 49° to the SW between 20 miles and 250 miles from the centre. The angle was therefore on an average 57° degrees, i.e. on looking in the direction towards which the wind blew the centre was 33° in front of the left hand. The incurvature was therefore unusually small taking into account the low latitude (13° N), but then the observations were all made on the open sea and it has been previously remarked that the wind has a tendency to blow from East in the northern part of the China Sea and from North along the coast of Cochin-China, which accounts for the smallness of the incurvature NW of the centre.—The temperature may be taken as 84° throughout the typhoon as the records lie between 81° and 87°, which is unusually high.—Odd flashes of lightning were noticed south of and very near the centre but no thunderstorm was reported from any ship in the China Sea. The lowest pressure recorded, 28.74, was noted about 9a. on board the S.S. *Propontis* in about 13° 40′ N, 109° 55′ E.

On the morning of the 18th it blew still a fresh SE breeze E of the centre along the coast of Cochin-China, but the sea quickly calmed down. It blew moderate to fresh SW breezes in the Gulf of Siam. After this fresh NE breezes prevailed in the upper half of the China Sea.

But already as early as the 12th October another typhoon had appeared in the Pacific. The Barque *Litchfield* on that day in 20° N, 131° E experienced a fresh WNW gale, which in the course of the following day backed to SW and moderated. At 9a. on the 12th Typhoon XIV may have been in about 22° N, 133° E. The S.S. *Claymore* and the S.S. *Stettin* in 27° N, 123° E experienced a very hard NE backing to NNW gale with terrific rainsqualls and high dangerous breaking seas. The barometer did not fall much. A swell from SE had been noted the previous day.

The typhoon passed NEastward to the south of Japan, where strong winds were experienced on the 13th and 14th, and was subsequently encountered by the S. S. *San Pablo* in 37° N, 147° E on the 15th. Its position may have been about 28° N, 132° E on the 13th in 33° N, 139° E on the 14th, in 37° N, 148° E on the 15th, and in 39° N, 158° E on the 16th but the observations available are not sufficient to lay down the track accurately. It will be remarked that on the 14th and the 15th there were three typhoons raging in different parts of the Eastern Seas.

On the 11th and 12th of **November** a violent storm passed Eastward to the south of Japan. At 10a. on the 14th the barometer reached a maximum (29.98) in Manila. On the 15th it had fallen in Luzon and risen along the coast of China. Gradients for NE winds were steep, the temperature and humidity low and the weather fine. At 10a. on the 16th the barometer had fallen to 29.77 and at 4p. to 29.67 in Manila. At 4p. on the same day the barometer had fallen to 29.65 at Negros, south of Luzon. It blew fresh N and NNE winds in Luzon, and the following night it blew strong N backing to NNW gales and the sea was very high to the Westward of the Philippines. At S. Cape (Formosa) it blew a strong NE breeze. At this station the barometer fell to 29.52 at 3p. on the 17th. The wind did not on that day exceed a fresh breeze but it backed from NE to SW. The weather was gloomy and misty. The barometer was falling quickly in Northern Formosa and a storm from the North was registered at Tamsui in the evening, but the observations made there on that day may not be very reliable. The S.S. *Cicero* on the morning of the 17th in 25° N, 120° E experienced a furious gale with very high sea. The barometer fell three tenths in the 24 hours. The Barque *Hydra* in 28½° N, 127° E experienced a storm from the E in the evening with very fierce squalls, from which it suffered great damage. Next morning it blew with full typhoon force from the NE and the barometer fell to 29.22 at 8a. The typhoon continued to blow with undiminished fury from NE till 1p. on the 18th, when it backed to N, from which it blew a storm till 8p., when the barometer had risen to 29.94. The barometer continued to rise till it reached 30.26 at 8p. on the 19th in 27½° N, 125° E and the sea was still very high, the wind blowing from the N without changing it direction. The S.S. *Teheran* experienced a NE storm from 10a. on the 18th in 31° N, 127° E (bar. 29.37). Later in the day very strong winds from N and NE were experienced in Japan.

The observations do not suffice to lay down the track of this Typhoon XVI with accuracy but at 9a. on the 16th it must have been in about 14° N, 128° E, on the 17th in 22° N, 126° E, on the 18th in 28° N, 129° E and on the 19th in 36° N, 144° E.

On the 17th **December** at 10a. the barometer reached a maximum 30.01 in Manila, where the air was misty. Gradients were steep for NE winds. At 10a. on the 18th it had fallen to 29.90 and at 4p. to 29.80 rising next morning to 29.91 at 10a. At Negros the lowest reading 29.64 was recorded at 7a. on the 18th and was followed by strong E wind. The previous day the weather was reported to have been overcast, wet and squally with strong NE wind.

At 9a. on the 17th Typhoon XVII may have been in about 9° N, 126½° E, at 9a. on the 18th in 9½° N, 123° E and on the 19th in 10° N, 119° E.

On the latter day the breeze veered to SE in Luzon and the weather was overcast with drizzling rain. The S.S. *Olympia* and other ships in about 11° N, 110° E experienced a strong N gale and a high sea all through the day. The following day it increased to blow a storm and the direction backed to NW, while the barometer fell about a tenth, and on the 21st at noon in 13° N, 111° E (bar. 29.50) it encountered the full force of the typhoon from the West. The S.S. *Deuteros* at the same time in

12° N, 110½° E (bar. 29.50) reported a whole gale from W. At Kiungchow the barometer fell to 30.10 at 3p. and the following day was the only wet day that occurred during the month. It blew a fresh NE breeze. In Hongkong the barometer fell to 30.05 at 5a. on the 22nd and it blew a moderate NE gale on that day, while about 14° N, 112° E it blew a whole gale from WNW with a slowly rising barometer and light S winds prevailed in Luzon. At S. Cape the barometer fell to 30.03 at 6a. on the 23rd. The weather was overcast and misty with drizzling rain. Strong NW gales prevailed in China Sea and SW breezes in Luzon and the existence of a depression to the NE of the Island was mentioned in the daily weather-report.

The observations are not sufficient to lay down the path of this typhoon quite accurately but it must have been in about 11° N, 116° E at 9a. on the 20th, in 13½° N, 113° E on the 21st, in 19° N, 116° E on the 22nd and in 21° N, 122° E on the 23rd, this being the first typhoon investigated that recurved in the China Sea, but it has been remarked that the typhoons during the latter part of the year prefer to run their course in a more southern latitude that during the summer excepting of course typhoons far away in the Pacific.

TYPHOONS OF 1887.

Gradients for NE winds continued almost without interruption in China till the end of **March,** when gradients for SW winds in Southern China were caused by a depression accompanied by strong gales approaching SWestern Japan, which was felt as a moderate NW gale between Ningpo and Chinkiang and N gale at Shantung Promontory.

Typhoon I of 1887 made its appearance on the 8th March in Japan. It raged along the southern coast of Nippon and disappeared in its eastward progress on the morning of the 10th.

At 10a. on the 12th **April** the height of the barometer 30.02 was reported from Manila and then it fell steadily till 29.74 at 10a. on the 18th. At 10a. on the 17th the barometer was falling at all the telegraphic reporting stations except Wladivostock and the fall was greatest in Manila (0 11 ins.) and less in Bolinao (0.06 ins.). Gentle NW breezes were reported from Luzon with clouds coming from the North. Barometer at 10a.: Casalagan (Negros) 29.77, Manila (Luzon) 29.81 and S. Cape (Formosa) 29.89. At this time Typhoon II was situated to the SE of Luzon.

At 10a. on the 18th the barometer was rising in Northern China but had fallen in the south. Barometer: Casalagan 29.77, Manila 29.74 and S. Cape 29.74. At 4p. the barometer reached its minimum 29.67 in Manila, from which station a moderate SW gale was reported. Strong SW winds were also registered in Casalagan. It blew a gentle NE breeze at S. Cape. At this time the typhoon must have been NE of Luzon.

It was E or rather ESE of S. Cape at 6a. on the 19th when the lowest reading of the barometer 29.69 with a gentle N breeze and detached clouds was registered. The barometer had risen elsewhere. The typhoon had evidently recurved and was passing away towards NE but no subsequent information has come to hand.

At noon on the 20th the Barque *H. N. Bangs* in 28° 37′ N, 133° 8′ E had a fresh NE breeze which increased to a gale at 3p. accompanied by a heavy sea. At 10p. a whole gale from NW was registered.

On the 28th April Typhoon III crossed the Gulf of Siam. It appears to have originated in about 9° N latitude close to the Malacca Peninsula about 9a., to have moved nearly NEastward and to have struck the coast of Siam in about 12° N at 10p. It was preceded by hot, close and sultry weather in the innermost part of the Gulf of Siam, and strong NE gales with heavy rain and high seas in the China Sea near the entrance to the Gulf.

The S.S. *Kong Beng* left Koh Si Chang at 4.30a. bound for Hongkong. At Noon in 12° 1′ N, 101° 13′ E the weather was gloomy with drizzling rain and the sun obscured (29.95, 82°, E 3). At 4p. in 11° 32′ N, 101° 40′ E the barometer (29.73) was falling rapidly and the wind, a fresh NE breeze was increasing fast. The sky was half overcast, the clouds coming from the E, the centre bearing S by E. At 5.20p. Captain PHILLIPS having made all snug brought ship head to wind filling decks with water, the engines going slow. At 6p. it blew a fresh NNE gale (bar. 29.60). It rained and the sea was very high. At 6.40p. the lowest reading of the barometer 29.52 was registered and as there was no shift in the wind he bore away full speed and the barometer rose immediately (at 7p. 29.60). At 7.30p. it blew a strong NW by N gale (bar. 29.67) and at 8p. in 10° 52′ N, 102° 29′ E with the same force from WNW (bar. 29.75). At 10p. (bar. 29.85) the weather improved but the gusts were still hard (wind WNW 7-8) and the rain heavy. At midnight in 9° 58′ N, 102° 55′ E there were still heavy squalls and rain but less sea (29.87 W 7).

This is said to have been the most destructive typhoon in the Gulf of Siam since 1871. Great damage was done to the shipping and one ship was seen bottom up. Full typhoon force was reached near the centre.

At 10a. on the 8th of **May** the barometer (29.93) began to fall slowly in Manila. The weather continued fine. From the afternoon of the 9th till the afternoon of the 13th light NW breezes prevailed over Luzon with a partly clouded sky. The lowest reading 29.69 was reported from Manila at 4p. on the 11th and 29.66 was registered at 4p. on the 10th in Casalagan.

Typhoon IV may have been in about 11° N, 135° E on the morning of the 10th.

On the morning of the 11th it may have been in about 16° N, 131° E The barque *Antoinette* in 19½° N, 135° E had a moderate ESE breeze, cloudy weather and swell from S and SE. On the 12th in 21° N, 130° E the wind veered to SSE and increased to blow a whole gale with fierce squalls and a high cross sea. At 9a. it blew a gentle NE breeze at S. Cape (Formosa). The weather was fine but misty and unusually hot in the sun (bar. 29.80). The centre was in about 20½° N, 129° E at 9a.

On the morning of the 13th the centre was in about 25° N, 132° E. The *Antoinette* in 20° N, 132° E had a SW gale with fierce squalls and a high and dangerous sea. In the afternoon it veered to WSW and abated.

On the morning of the 14th the centre was in about 31° N, 141½° E. The S.S. *San Pablo* bound from San Francisco to Yokohama had a moderate NE gale. At noon in 35° 3′ N, 142° 42′ E it blew a strong gale (bar. 29.40 the lowest registered). It was heaviest about 2p. when the wind had backed nearly to NNE. It blew a whole gale with violent squalls, a high sea and blinding spray.

At 9a. on the 19th of May there was another typhoon in 13° N, 114½° E. Moderate W and SW breezes were reported from the southern part of the China Sea, strong SE winds, squally and wet weather near northern Palawan and strong E and NE breezes from the northern part of the China Sea. The *S.S. Phra Chula Chom Klao* in 14° N, 109½° E had a fresh N breeze (bar. 29.75), overcast and squally weather and a high sea. In the early morning hours it had blown a moderate breeze from WNW with squalls rising to the force of a whole gale and great rain.

At 9a. on the 20th the centre of Typhoon V was in 14½° N, 111° E. It blew a fresh SE gale in the China Sea near the West coast of Luzon and a fresh NE gale near the South coast of Hainan. At noon the S.S. *Yorkshire* in 16° 35′ N, 110° 7′ E had a fresh gale from ENE (bar. 29.66) and heavy rain. The lowest reading of the barometer (29.48) was registered at 6p. but the strongest wind was not registered till 4a. next morning when it rose to a whole S gale with heavy squalls and occasional heavy rain (bar. 29.50).

At 9a. on the 21st the centre was in 16½° N, 108° E. At noon the S.S. *Yorkshire* in 15° 17′ N, 109° 42′ E had a moderate S gale and a high sea (bar. 29.63). It blew a fresh E gale 150 miles south of Hongkong. In the Gulf of Tonquin it blew only gentle to fresh E breezes but the weather was gloomy and the barometer falling.

At 9a. on the 22nd the centre must have been in about 21° N, 104° E. It entered Annam in the afternoon on the previous day. A fresh SE breeze was reported from Haiphong (bar. 29.77). At noon in 12° 35′ N, 109° 40′ E the S.S. *Yorkshire* registered a fresh S breeze (bar. 29.87) and light rain.

A high barometer (29.95) was reported from Manila at 10a. on the 25th of May. On the 26th it had fallen at all the telegraphic reporting stations. At this time Typhoon VI was raging in the Pacific.

The Hawaiian Brig *Allie Rowe* had light variable winds between the 21st and the 25th from 19° N, 139° E to 20° N, 134° E. Rain set in on the morning of the latter date, and in the afternoon there was a strong NE breeze succeeded by a strong SE breeze on the morning of the 26th. At noon in 19° 57′ N, 130° 45′ E the wind had backed to ESE with frequent rain squalls. At 5p. the barometer was falling fast and the weather was threatening and all light sails were taken in. At 7p. the vessel was running under two lower topsails and fore top-mast staysail (bar. 29.56 uncorrected). At 8p. it was blowing a gale from ESE (29.50). At 8.30p hove to on port tack, took in all sail and set a tarpaulin in main rigging to keep the ship's head to sea. At 9p. the typhoon came on with terrific force and split some sails and carried away fore top-mast back stays save all the spars standing. At 11p. the barometer was down to 29.40. At midnight the typhoon was blowing with tremendous force (29.20). Between 1a. and 3a. on the 27th it blew with such force as to lay the vessel over with her lee rail under water and blew the sails out of the gaskets and then flapped them into shreds. Fortunately part of the lee bulwarks washed away and let the water off the deck. The vessel had no chance to recover herself the wind blowing with such force. At 1a. the barometer read 28.80, at 3a. 28.50 and at 4a. 28.40, the lowest reading, At 4a. it suddenly lulled into a calm. At 6a. the wind blew with great force from WSW and the barometer had risen to 28.50. "From 7a. to 9a. on the 27th it blew with such force that we thought we should have to cut the rigging away and let the masts go over the side. The lee side of the ship was constantly under water. Fortunately during the whole of the typhoon the vessel never shipped one weather sea but behaved nobly and well. At 10a. the typhoon moderated into a heavy SW gale that one could put up with after a typhoon." Captain J. Phillips states that during his 26 years' experience at sea he has never known the wind to blow with such a force as it did in this typhoon. After that the gale began to moderate so that he could look

around with safety, he found that the bowsprit and lower main-top-sail yard were sprung, part of the star-board bulwarks washed away, all head sails gone, fore, upper, and lower topsails, main lower topsail and main try-sails, which sails were all new, but there was nothing left but the rope. Fore-top mast back stays were carried away, jackstays drawn out of the yards, running gear more or less carried away and other damage done, so that it was a wonder the ship got off so easily.

A day or two after there was another storm between Shanghai and Nagasaki, but it does not appear to have been connected with this typhoon,—nor have I been able to gather any other information about its progress. It is of course impossible to lay down its path from the observations mentioned above alone but it may possibly have been in 18½° N, 129° E at 9a. on the 26th and in 21° N, 131° E at 9a. on the 27th. In fact it appears to have come up from the Southward, recurved on the former date and moved away towards NE on the latter date. Typhoons are known to be very violent in this locality but ships do not very often suffer damage from them as they are of smaller dimensions here than elsewhere.

According to the Rev. F. Faura, S.J., Typhoon VII crossed the southern Philippines at the end of June. At noon on the 29th it was in 11° N, 124° E and at noon on the 30th in 12½° N, 119½° E.

According to the same authority Typhoon VIII was in 11° N, 121° E on the morning of the 8th of July. On the previous day the barometer had been steady in Southern China, where light S breezes and cloudy weather prevailed, and had fallen slightly in Luzon, where light E breezes and cloudy weather prevailed. On the morning of the 8th light airs were blowing along the S. coast of China, where the barometer had risen, light E breezes blew in Luzon and the sky was clouded, while in Iloilo it blew fresh from SW and it rained (bar. 29.83 at 9a.) In the Balingtang Channel a fresh E breeze was blowing, while in the lower part of the China Sea it blew a light SW breeze.

At 9a. on the 9th the typhoon appears to have been in 15° N, 116° E. The barometer had risen a few hundredths of an inch in the Philippines (Iloilo 29.90). Along the southern coast of Annam it blew a fresh WSW breeze with squally weather and a high sea. The S.S. *Airlie* in 16° N, 118½° E had a fresh SSE gale with similar weather. The German Barque *Figaro* in 6° N, 107° E had a fresh SW breeze and fine but hazy weather. A fresh E breeze was blowing along the southern coast of China and the barometer had risen slightly along the E coast. The S.S. *Deuteros* in 11°N, 109°E reported a moderate WSW breeze, hard squalls, thunder and lightning, rain and a rising sea.

At 9a. on the 10th the centre was in 17½° N, 110½° E. The barometer had risen in the Formosa channel and in Luzon and fallen along the south coast of China. It was blowing a fresh E breeze south of Hongkong and a fresh NE breeze in the Gulf of Tonquin. At Kiungchow the barometer (29.63) had fallen two tenths in the past 24 hours. The S.S. *Nanshan* in 16° N, 110° E had a fresh SW breeze (bar. 29.63) which increased to a strong breeze and backed to SSE in the evening. Near northern Palawan a heavy SW swell was observed.

At 9a. on the 11th the centre was in about 20° N, 104½° E. In the early morning hours the centre passed south of Haiphong (bar. 29.57 at 9a.) causing a strong gale from E veering to S. Fresh SE breezes and a high sea were reported from ships in the NWestern part of the China Sea.

At 9a. on the 12th the barometer had risen a little along the southern coast of China but was beginning to fall in Luzon (Manila 29.90, Iloilo 29.87). The weather was fine and calm.

At 9a. on the 13th the barometer was falling in SEastern China and in the Philippines (Manila and Iloilo 29.85), where the weather was hazy. Fresh SW winds were reported from the China Sea south of Saigon and Iloilo.

At 9a. on the 14th it blew fresh from SW and it rained in the southern Philippines where the barometer had risen (Manila 29.80). The German Barque *Figaro* at noon in 14° 29′ N, 112° 39′ E had a light NW breeze with overcast and wet weather (bar. 29.75). The barometer was falling slowly in China. The weather was fine and there was no wind.

At 9a. on the 15th gentle SE breezes and cloudy weather prevailed in Luzon, fresh SW breezes and rain in the southern Philippines and in the southern part of the China Sea. The barometer began to fall in southern China, where light ENE breezes, cloudy and hot weather prevailed.

At 9a. on the 16th gentle NE breezes blew along the southern coast of China and Formosa; gentle SW breezes in Luzon and fresh SW breezes in the western part of the China Sea. The barometer had fallen in southern China (Hongkong 29.74) and risen in Luzon (Manila 29.91). There was a barometric depression in about 18° N, 116° E with comparatively steep gradients for NE winds north of the centre and for SW winds south of the centre. Typhoon IX was probably forming itself about this time.

At 9a. on the 17th it may have been situated in about 18° N, 117½° E but it must have been still of insignificant dimensions. The barometer read low in the western part of the China Sea (29.68—29.76), at S. Cape 29.77, in Luzon about 29.90. Between Annam and southern Luzon it blew a strong SW breeze with squally weather and a high sea. From Luzon light S breezes and wet weather were reported. In southern Formosa the weather was fine with a light SW breeze. Gentle E breezes prevailed in southern China, but the barometer began to fall at all stations between 10° and 35° latitude.

At 9a. on the 18th the centre was in 19½° N, 117° E and the barometer had fallen about a tenth in SEastern China, Formosa and Luzon (Manila 29.79) and the temperature was high although cloudy weather prevailed. Gentle E breeze prevailed north of the centre and moderate SW breezes in the lower part of the China Sea. A threatening appearance of the weather was noted near Swatow (bar. 29.63) and occasional squalls from NE. At Pakhoi the weather was sultry and hot with very little wind but rain in thunder squalls. The S.S. *Prometheus* in 18° N, 113° E had a fresh W gale with violent squalls, heavy rain and a high sea.

At 9a. on the 19th the centre was in 20° 43′ N, 115° 32′ E. The barometer was falling at all stations in Southern China (Hongkong 29.52) and also in Formosa (South Cape 29.61) and northern Luzon (Manila 29.71), which shows that the depression was deepening and the typhoon still increasing as the centre had moved away from both those islands. The lowest reading at S. Cape 29.55 was entered at 6p. North of the centre along the coast of China it blew a strong NE breeze with very hard squalls and there was a heavy cross sea. SW of the centre and S of Hongkong it blew a fresh W gale (bar. 29.50). It blew a moderate W or SW gale nearly as far as Annam. In the Gulf of Tonquin there were thunderstorms. In the southern part of the China Sea it blew a moderate SW breeze.

At 9a. on the 20th the centre was in 20° 55′ N, 114° 18′ E. Light SE breezes prevailed near the Formosa Channel, where the weather was fine and in Luzon, where it was squally and wet. Across the China Sea between Luzon and Annam moderate to strong SW breezes and wet squally weather prevailed. East of Hainan it blew a fresh WNW gale with squally and wet weather and a high sea. In the Gulf of Tonquin there were great thunderstorms and heavy rain with stormy weather, the wind coming from different directions. The level of this typhoon was unusually low. The gradients were therefore comparatively moderate although the dimensions of the area covered by a low barometer were enormous. At 9a.: Shanghai 29.65, S. Cape 29.62, Manila 29.72, 17½° N, 113½° E, 29.61, 19½° N, 114° E, 29.46, Kiungchow 29.59, Hongkong 29.41, Breaker Point 29.54. Round the Gulf of Tonquin to the westward the barometer stood comparatively lower (29.57) than in other places at the same distance from the centre. The sea was very high along the E coast of Hainan. In the evening Mr. SIDFORD in Pakhoi observed a bank of cloud to the E and SE like a wall.

During the night between the 20th and the 21st the greatest force was displayed by this typhoon and its velocity westward increased at the same time. It has been remarked before that typhoons originating in the China Sea take days to attain their greatest violence and if they happen to enter the mainland they do not usually do much harm. The typhoons that arrive in the China Sea from the Pacific are much more destructive. During the night a strong gale, veering from WSW by SW to S by the next morning, blew in northern Hainan. Storm force was reported from a vessel south of Hainan but that is of course an over-estimation. The lowest barometer-reading was registered at Hoihow (Kiungchow) 29.37 at 9p. At Pakhoi the lowest 29.44 was read at midnight. There it blew a strong N gale with hard gusts and the stars were seen at intervals. During the early morning hours the wind backed to NW in the squalls.

At 9a. on the 21st the centre appears to have been in 20° 45′ N, 109° 35′ E gentle E breezes prevailed in Southern China. It blew a fresh SE breeze with rain south of Macao. At Kiungchow (bar. 29.42) it blew a fresh S gale, at Pakhoi (29.48) a fresh NE gale and at Haiphong (29.57) a light NW breeze. There was a high sea within 300 miles of the centre and a NW swell was observed in the China Sea.

The typhoon was now again moving at a slow rate and it was dying out by degrees. At 9a on the 22nd the centre appears to have been in 20° 28′ N, 108° 3′ E. At Hoihow it blew a moderate SE breeze (bar 29.47), at Pakhoi a gentle E breeze (29.48) and at Haiphong a gentle NNW breeze (29.47) The sky cleared in the course of the day at the former stations and the barometer rose, but at Haiphong it was still read at 29.49 at 10a. on the 23rd and the weather was squally and overcast with a strong E breeze. At the time the centre of the depression appears to have been in 19° 58′ N, 105° 35′ E. The barometer began to rise in the evening.

On the afternoon of the 21st the barometer began to fall, first in Wenchow (29.66 at 9a.) and then at all stations between Shanghai and Southern Formosa owing to the approach of Typhoon X from the East. This typhoon may have been in about 24° N, 130° E at 9a. on that day. Light breezes from variable directions and detached clouds and misty weather prevailed.

At 9a. on the 22nd the centre of the typhoon was in 26° N, 125° E. East of Luzon there blew a moderate SW breeze, the same in the Formosa Channel and in Luzon, but it blew a strong WSW breeze in the Balingtang Channel and there was a high sea along the W coast of Luzon. In Wenchow (bar. 29 41) it blew a gentle NW breeze. Between Shanghai and Nagasaki it blew a strong SE to NE breeze and the sea was very high with a great swell. The ship *Great Admiral* in 27° 40′ N, 124° 10′ E had a NNE gale, quickly falling barometer, a high sea and thick weather. In northern Formosa it blew a fresh SW breeze with rain. (Tamsui bar. 29 54).

About 9p. it blew a fresh SW backing to S gale at Middle Dog, a fresh SE gale in Ningpo, a strong ENE breeze in Wuhu and a fresh NE breeze as far inland as Hankow. The *Great Admiral*,

hove to, had a strong NNE gale. The typhoon then moved forward towards the coast at a quick rate but did not at any time display any great violence and it is doubtful whether typhoon force was reached at all.

At 9a. on the 23rd the centre was in 28° N, 117½° E. It blew a fresh S to SE breeze and the sea was high between northern Formosa and Shanghai. At Wuhu (bar. 29.68) it blew a moderate E breeze, at Kiukiang (29.58) a moderate NE gale and at Hankow (29.57) a gentle NE breeze.

At 9a. on the 24th the centre appears to have been in 31° N, 112½° E. At Hankow (29.54) it blew a gentle S breeze and at Ichang (29.43) a light NW breeze. The weather was overcast and gloomy. The barometer had risen at the other stations all round. It blew a strong SW breeze with squally weather in the Pacific to the East of the Philippines and the barometer began to fall in Formosa and Luzon. At sea north of Formosa a great SE swell was observed. This was due to Typhoon XI which was advancing towards Wenchow from the SE.

At 9a. on the 25th the centre of Typhoon XI may have been in about 25° N, 126° E. The S.S. *Tetartos* in 26½° N, 122° E had a rapidly increasing NNW gale with fierce squalls and a high cross sea. The barometer had fallen in Eastern China: Shanghai 29.66, Ningpo 29.60, Wenchow 29.56, Tamsui 29.58.

At 9a. on the 26th the centre was in about 28° 15′ N, 123° 10′ E. In 31° latitude to the East of Shanghai it was blowing a fresh NE gale. In Shanghai wet and squally weather set in but light NE breezes prevailed in northern China. It blew a moderate SW gale just north of Formosa. Light SW breezes prevailed in southern China where the barometer was rising. It also rose in northern China and in Corea. Near the centre the wind appears to have been lighter than farther away to the north but typhoon force was nowhere reached so that this was scarcely a proper typhoon but only a revolving gale as the previous one.

At 9a. on the 27th the centre was in 30° N, 120° E. It blew a strong SE breeze between Ningpo and Shanghai (bar. 29.59), at Chinkiang a strong E breeze (29.52) and at Wuhu a strong NE breeze (29.66). Moderate SW breezes prevailed in southern China. In the afternoon it blew a fresh NE gale at Kiukiang and the barometer fell to 29.57 with hard squalls and showers of drizzle. In the evening it blew a moderate gale and the sky cleared for some time. Lightning was then seen to the westward.

At 9a. on the 28th the centre appears to have been in 27½° N, 115° E, so that this gale presents the abnormal instance of having turned SWestward inland in China. The barometer had fallen slightly in Kiukiang and Hankow and also along the south coast of China, and had risen along the east coast. It blew a strong NE breeze at Kiukiang and Wuhu and a fresh E breeze to the east of Wenchow.

It blew a fresh WNW breeze at S. Cape. The weather was overcast and thick and the barometer (29.56) falling. This was owing to Typhoon XII at that time appearing in the Pacific.

At 9a. on the 29th the centre may have been in about 22° N, 130½° E. It blew a moderate WNW gale at S. Cape (bar. 29.45) and a strong N breeze at Tamsui (29.46). The barometer had risen slightly in SE China (Hongkong 29.63) and in Luzon (Manila 29.84). At Shanghai (29.74) it blew a fresh E breeze and there were no clouds. At sea between Ningpo and Nagasaki it blew a strong E breeze.

At 9a. on the 30th the centre may have been in about 24° N, 126½° E. It blew a strong NW gale in Formosa with squally and wet weather. The barometer had fallen about a tenth in Eastern China (Shanghai 29.64). A very high sea had got up between Ningpo and Nagasaki and a great swell.

At 9a. on the 31st the centre may have been in about 26½° N, 125° E. The barometer had fallen in the neighbourhood of Shanghai (29.53) and was beginning to fall in northern China and Corea. It was rising in Southern China, Formosa and Luzon. It blew a strong SE breeze in 31½° N, 129° E (bar. 29.61). Between Nagasaki and Ningpo it blew a fresh NE gale and a moderate W gale in northern Formosa. The S.S. *Cassandra* in 28° N, 122½° E had hurricane-like squalls from NNE (bar. 29.34).

At 9a. on the 1st of **August** the centre was in about 29° N, 125½° E. The S. S. *San Pablo* in 30° N, 128½° E had a whole gale from the SE (bar. 29.40). It blew a fresh NE gale at Steep Island (29.39); between northern Formosa and Wenchow it blew a moderate W gale (29.50).

At 9a. on the 2nd the centre was in about 30½° N, 128° E. The barometer had risen in China (Shanghai 29.47) but had fallen in Japan (Nagasaki 29.36) and in Corea (Fusan 29.57). The S.S. *San Pablo* in 29° N, 128½° E had a whole gale from SW (bar. 29.04), an enormous sea and heavy rain. The S.S. *Hampshire* in 30½° N, 131° E had a whole gale from SSE and similar weather. From Nagasaki a moderate NE breeze was reported. It blew a fresh ENE breeze at Fusan.

At 9a. on the 3rd the centre was in 35° N, 130° E. It blew a strong SW gale at Nagasaki (bar. 29.96), a strong NNE breeze at Fusan (29.23) and a moderate E gale at Yuensan (29.60). The S.S. *Teheran* at anchor in 33° 56′ N, 131° 4′ E had a strong ESE gale (29.12).

At 9a. on the 4th the centre was in about 38° N, 129½° E. The barometer had fallen 0.20 at Wladivostock (29.59), but there was not a breeze. At Yuensan (29.47) it blew a moderate ENE gale and drizzling rain was registered. At Fusan (29.33) it blew a moderate WSW breeze and the weather was clearing up.

Moderate SW winds prevailed in the Chinese seas till the 11th August, on which day light ESE breezes were observed in southern China and a light NNE breeze at S. Cape.—At 9a. on the 12th, the barometer had fallen in the south and east. Gradients were slight for NE winds over the northern part of the China Sea and for SW winds in northern China. Moderate to fresh SW breezes blew in the southern part of the China Sea. The temperature was high and the weather fine and dry.

At 9a. on the 13th the barometer was high in southern China (Hongkong 29.85) but was falling. The weather was fine, hot and dry and light airs from various directions prevailed. It was also falling all round the China Sea. Gentle SE breezes prevailed in Luzon and light NE breezes near the coast of Cochin-China and SW breezes in the southern part of the China Sea.

At 9a. on the 14th the centre of Typhoon XIII may have been in about 17½° N, 115½° E. This typhoon had evidently originated in the China Sea in the course of the previous days, when circumstances evidently favoured the development of a typhoon. Moderate S breezes prevailed in southern Luzon and the barometer was nearly steady (Manila 29.89). To the north of Palawan it blew a strong WSW breeze with squally weather and heavy showers. To the E of the Balingtang Channel it blew a strong ESE breeze. At S. Cape (29.87) it blew a gentle NE breeze. In SEastern China light NE breezesprevailed (Hongkong 29.80) and the barometer was falling. Near the coast of Hainan it blew a gentle N breeze (Kiungchow 29.85).

At 9a. on the 15th the centre appears to have been in about 19½° N, 113½ E. The barometer had risen in Formosa (29.90 NE 3) and along the E coast of China and had fallen along tha S coast (Hongkong 29.73) and in the Gulf of Tonquin (Kiungchow 29.80). It blew a fresh SE breeze in the Balingtang Channel, a moderate ENE gale in Hongkong and a moderate NW breeze with squally weather and a high confused sea near the SE coast of Hainan. The S.S. *Changsha* in 19° N, 116½° E had a moderate S breeze and a long SSW swell. In the afternoon it blew hard from NE veering to SE in Hongkong and near the coast of China for some distance to the Westward. At Kiungchow the wind backed from NW to WNW but only a moderate breeze was registered. At Pakhoi it blew a gentle, NE breeze. Heavy rain fell at all these places, and there were thunderstorms during the evening in the Gulf of Tonquin. It appears that the centre quickly entered the mainland and the typhoon ceased to blow.

At 9a. on the 16th the centre of the remainder of the depression appears to have been in about 21½° N, 110° E. Moderate SE breezes prevailed in the eastern part of the China Sea and fresh SW breezes in the western part. The lowest reading of the barometer 29.73 was registered at Pakhoi with a gentle NW breeze and wet weather.

On the 17th moderate SE breezes were observed in the China Sea, and moderate E breezes on the 18th and on that day the barometer began again to fall in southern China and the Philippines. The temperature was moderate, the humidity rather high and cloudy weather prevailed.

At 9a. on the 19th the fall in the barometer had extended to the shores of the Yang-tze-kiang but it had risen slightly in the southern Philippines. The lowest reading was reported from Haiphong (29.72 and calm), while Pakhoi (29.79 SE 3) Kiungchow, (29.82 SSE 2) and Hongkong (29.83 E 2) had greater readings. SE of Hainan it blew a fresh S breeze. Wet weather prevailed in the Gulf of Tonquin. At this time Typhoon XIV was probably situated in the southern part of the Gulf but it must have been of very small dimensions indeed although its existence was indicated by a falling barometer over such an enormous area. The typhoon appears to have passed northwards in the Gulf in the afternoon. The weather was overcast and gloomy. A light W breeze was registered at Haiphong (bar. 29.61) at 4p. and gentle SE breezes in Hainan and Pakhoi.

At 9a. on the 20th the centre appears to have been in about 20° N, 108° E. The weather was wet in the Gulf of Tonquin. It blew a light SE breeze in Kiungchow (29.82), a gentle NW breeze in Haiphong (29.65) and a light SE breeze in Pakhoi (29.74). The barometer had risen slightly in China.

In the course of the day the centre passed near and to the west of Pakhoi in its progress northwards. At noon (29.75) there was a heavy rain-squall from E. At 3p. (29.64) it blew a moderate E breeze accompanied by heavy rain-squalls. At 4p. (29.60) the rain was blinding and squalls from E frequent. At 6p. (29.54) heavy squalls from ESE. At 8p. (29.48) the wind rapidly increased from SE in violent squalls. The house of Mr. SIDFORD, the Commissioner of Customs, actually shook at times. It blew a whole gale. At 10p. (29.40) it blew from S with storm-force. There was dense blinding rain and terrific squalls but no thunder or lightning. At 11p. (29.34) there was a continual howl from incessant squalls from SSW. At midnight a rise was noted in the barometer (29.38). It blew from SW.

The S.S. *Danube* left Haiphong at 1p. on the 20th. The weather was then overcast, squally and wet. At 5p. it blew hard from NE. At 6p. when Norway Islands (in 20° 38′ N, 107° 8′ E) were

reached it blew from N. The wind then backed and reached W at 9p. and SW at 10p. It continued to blow from that quarter till noon on the 21st (in 20° 11′ N, 110° 8′ E) when it was still blowing a strong SW breeze.

On the morning of the 21st the violence of the wind in the squalls continually decreased in Pakhoi. At 6a. (29.60) it blew a strong WSW breeze. At 9a. (29.69) it blew a moderate S breeze. From noon on the 20th till noon on the 21st 7 inches of rain were measured. At Haiphong (29.70) it blew a light NW breeze and at Kiungchow (29.75) a light SSE breeze. The barometer was rising in southern China and the small typhoon had disappeared.

The barometer began to fall in Luzon on the 21st and also in southern Formosa. (At 9a. in Manila 29.86 and at S. Cape 29.88). The weather was fine.

At 9a. on the 23rd Typhoon XV appears to have been situated in about 20½° N, 122½° E. The barometer was still falling in Luzon (Manila 29.81) and in southern China (Hongkong 29.85, Amoy 29.83, S. Cape 29.75). Gentle NE breezes prevailed along the SE coast of China and in Formosa and light SW breezes in Luzon. Fog was observed in the Formosa Channel. At S. Cape an arch of clouds had been observed towards SE, cirrus upon cumulus both coming from SE. This had now advanced to cover half the sky and drizzling rain set in.

A SE swell was noticed at 8a. which increased at 9a. At noon (29.75 NE 3) the swell was still increasing. The sky was overcast and threatening in the SE, drizzling rain and swell still increasing. At 3p. (29.70 N 1) it was overcast misty and rainy. At 6p. (29.66 NE 5) it was overcast and squally with heavy rain. At 7p. lightning was observed. At 9p. (29.63 N 5) the barometer was heaving in the squalls. At midnight (29.49 NNW 9) the same weather continued. The following observations were registered while the centre passed close to and NE of the lihgthouse: 0.30a. 29.48 NNW 9, 1a. 29.46 NNW 9, 1.30a. 29.31 NNW 9, 2a. 29.21 NW 10, 2.30a 29.24 NW 11.—8 inches of rain fell during the night.

The following are some of the most important observations made on the 24th August:—

Station.	3a.	6a.	9a.	Noon.	3p.	6p.	9p.	Midnight.
S. Cape,	29.40 NW 11	29.75 SSW 7	29.85 WSW 4	29.83 SE 3	29.83 SE 3	29.84 NE 2	29.89 NE 3	29.90 NE 3
Takow,	...	...	.79 S 5	...	.82 SE 6	...	.85 SSE 5	...
Anping,	...	...	.78 S 6	...	.84 SSE 5	...	.89 S 2	...
Fisher Island,	.63 N 6	.60 N 6	.62 N 4	.70 SSE 7	.71 SSE 7	.74 SSE 7	.84 SE 6	.84 SE 4
Breaker Point,	.74 — 0	.73 W 3	.78 W 3	.74 WSW 4	.72 WSW 5	.74 WSW 3	.78 WSW 2	.70 WSW 2
Swatow,	.76 SW 1	...	.80 WNW 2	...	.74 NNW 2	...	.77 NNE 1	...
Lamocks,	.72 NW 4	.71 WNW 3	.75 W 4	.73 WSW 3	.70 W 3	.72 SW 3	.76 ... 0	.79 WSW 3
Chapel Island,	.71 NE 5	.71 NE 5	.70 NW 6	.69 N 6	.67 NE 3	.65 SW 6	.73 SW 6	.78 SW 4
Amoy,	.72 NE 3	.68 NE 2	.70 NE 3	.70 NNE 1	.68 NE 1	.65 NE 5	.70 SE 6	.72 SW 4
Middle Dog,	.75 NE 6	.73 NE 6	.70 NE 6	.70 ENE 8	.75 ESE 5	.80 ESE 1	.84 E 2	.84 E 3
Tamsui,	.82 ENE 2	...	.72 ESE 9	...	.80 SE 2	...	.80 SE 2	...

At 3a. the centre was in about 22° 12′ N, 121° 11′ E. At 6a. in 23° 5′ N, 120° 24′ E. At 9a. in 23° 16′ N, 119° 44′ E. At noon in 23° 42° N, 118° 38′ E. At 3p. in 23° 47′ N, 118° 6′ E. At 6p. in 24° 14′ N, 117° 49′ E. At 9p. in 24° 52′ N, 117° 1′ E. At midnight it had disappeared, but already about 5a. when the centre had crossed the high land the depression appears to have filled up so as to be accompanied by only ordinary gales, heavy rain (3½ inches were measured in Amoy at 9a. on the 25th) and a high sea in the Formosa Channel. The barometer had risen several hundredths of an inch on the morning of the 24th in the Philippines, the Gulf of Tonquin and along the Yang-tze-kiang.

Typhoon XVI made its appearance in the China Sea early in **September.** On the 3rd the barometer was read very uniformly, 29.88, round the China Sea. Light NE breezes prevailed in southern China and a light E breeze was reported from Bolinao. Outside the Gulf of Siam there blew a moderate SW breeze. The barometer began to fall.

At 9a. on the 4th the nascent typhoon was probably in the neighbourhood of 13° N, 116° E. The barometer had risen in southern China and fallen a couple of hundredths in Luzon. The Barque *Hattie E. Tapley* in 15° N, 117° E had a moderate NE breeze, the S.S. *Glenogle* in 11° N, 110° E had a fresh W breeze, wet and squally weather and a falling barometer (29.89), and the S.S. *Neckar* in about 7° N, 110° E a gentle W breeze and squally weather.

At 9a. on the 5th the typhoon was probably in about 14° N, 115½° E. The barometer was falling and gradients moderate for NE winds in southern China, the temperature high and the weather cloudy but dry. In the northern part of the China Sea it blew a fresh NE breeze. The S.S. *Glenogle* in 15° N, 113° E had a moderate NW breeze, wet and squally weather and rather low barometer (29.79). At night the wind increased to blow hard from ENE and the sea rose high. The S.S. *Neckar* in 10° N, 110° E had a strong SW breeze, a rough sea and squally weather.

At 9a. on the 6th the typhoon appears to have been in about 15° N, 115° E. The barometer was falling in southern China and in Luzon. Moderate NE breezes prevailed in southern China. At sea in the latitude of Hainan it blew a moderate NE gale and a fresh ENE gale in the Balingtang Channel. Light SE breezes and misty weather were reported from Luzon. In the southern part of the China sea moderate SW breezes prevailed.

At 9a. on the 7th the typhoon appears to have been in about 16° N, 114° E. It blew a fresh NE gale at sea just to the south of Hongkong and a strong WSW breeze near southern Annam. The S.S. *Independent* in 17° N, 111° E reported stormy weather from the north with increasing squalls and a terribly high sea. Up to this the typhoon appears to have been of small dimensions (although it had caused gales to blow in the greater portion of the northern part of the China Sea) and to have moved at a very slow rate. But now it suddenly accelerated its rate enormously so as to cross the remainder of the sea in the following 24 hours, and this was no doubt due to the strong E winds near the coast of southern China and in the Balingtang Channel. It appears at the same time to have developed more violence although typhoon-force was observed only within a few miles of the centre.

The S.S. *Independent* in 17½° N, 111° E registered at 3p. a NW storm with squalls of hurricane-force and a terrible cross sea. The barometer had fallen to 29.48. At Kiungchow it blew a strong NE breeze (bar. 29.74). Between Kiungchow and Hongkong it blew a fresh ENE gale which increased to a strong gale in the evening. The Siamese Ship *Dorsetta* in 11° N, 110° E had a WSW gale and a high sea. At 5p. the barometer began to rise on board the *Independent* and it blew a storm from the W. The weather improved quickly while the wind backed to SE at 10p. from which quarter it came very moderate.

At 9a. on the 8th the typhoon had ceased to blow. The centre of the depression appears to have been in 20° N, 105½° E. It blew a fresh E breeze at Haiphong (bar. 29.78), a strong E breeze at Kiungchow (29.80). E of Hainan it blew a moderate to strong E gale and in 12° latitude a moderate SW gale. In the Pacific to the eastward of Luzon it blew strong from ENE with constant rain. The barometer was already again falling in southern Formosa and in Luzon.

This was owing to the approach of Typhoon XVII which at 9a. on the 9th was in 16° 55′ N, 127° 12′ E. The ship *James S. Stone* in 18° 2′ N, 127° 13′ E had experienced a strong ENE gale in the morning. It blew now a whole gale (bar. 29.35 uncorrected). At S. Cape (29.65) it blew a strong NE breeze and it was misty. It blew a fresh N breeze in the Formosa Channel. Round the Gulf of Tonquin the barometer had risen and the weather was very sultry and hot though a light E breeze was registered. To the East of Hainan it blew a moderate ENE breeze. Near the Paracels there were great thunderstorms. In the China Sea between 13° N and 9° N it blew strong WSW gales. To the south of Luzon it blew very hard in fierce SW squalls. From Manila a moderate SW breeze with wet and squally weather was reported (29.67). The following are some of the most important observations: Takow: 29.67 SE 1, Middle Dog: 29.78 NE 6, Fisher Island: 29.64 N 4, Amoy: 29.76 NE 4, Swatow: 29.78 N 1, Breaker Point: 29.73 NE 2, Hongkong: 29.77 W 1, Hoihow 29.84 ENE 3.

On board the *James S. Stone* the heaviest wind (storm-force) continued about four hours. At noon (29.24) it blew from SE. At 1p. (29.13) it began to veer again. At 2p. (29.30) it blew from SSE and the weather began to clear. At 6p. (29.38) it blew a fresh S gale, which moderated by degrees but left a very bad irregular sea which kept up for more than 24 hours afterwards. The sky was then only half overcast.

At 9a. on the 10th the centre was in about 19° 50′ N, 122° 3′ E. The barometer had fallen in China, in Formosa (S Cape 29.32) and in Luzon (Manila 29.57 W 6). The typhoon had raged in northern Luzon during the past night accompanied by heavy rain. It blew a fresh N gale in the Formosa Channel and the weather was misty. Near the E coast of Hainan it blew a fresh NW breeze and there was great NE swell in the sea. In about 13° latitude in the China Sea it blew a strong SW gale. The barque *Billy Simpson* in 21½° N, 118½° E experienced increasing N wind blowing in furious gusts (bar. 29.35).

Observations:—Takow: 29.38 ENE 2, Middle Dog: 29.58 NNE 6, Fisher Island: 29.38 NNE 8, Amoy: 29.52 NE 6, Swatow: 29.55 NW 1, Breaker Point: 29.49 N 2, Hongkong: 29.57 N 1, Hoihow: 29.73 WSW 3.

At 9p. on the 10th the centre was in 21° N, 119° 20′ E. It was blowing a fresh E gale at S. Cape (29.24), a fresh NE gale at Fisher Island (29.24), a fresh NE gale at Middle Dog (29.52). In 23° 10′ N, 117° 20′ E several ships reported fresh NE breezes (29.36). The *Billy Simpson* hove to in 21½° N, 118½° E had a storm from N and tremendous sea from NNE and SE (28.90).

At midnight (28.75) the storm experienced on board the *Billy Simpson* suddenly in a heavy squall flew into NE and for two hours it blew a furious typhoon from that quarter and then at 2a. on the 11th (28.70) it backed to N. Full typhoon-force continued up to 6a. with rain and lightning in NE. Captain F. A. Browne remarks that there was no rain until 12.30a. on the 11th. At S. Cape only 1.7 inches of rain were measured at 9a. on the 10th and the same amount on the 11th. The force of the wind experienced on board the *Billy Simpson* was something awful. Nobody could

face it and the crew had to lash themselves and hold on to what they could. At 4a. (28.65) it was at its worst. They tried to cut away the foremast, when a squall struck the ship with such force as to carry away everything on deck and leave the ship a helpless hulk. At 6a. (28.70) the wind backed. At 8a. (28.75) it blew a fresh NNW gale. During the night an unusually high temperature was registered in Hongkong.

At 9a. on the 11th the centre was in 21° 32′ N, 118° 55′ E. In Luzon it blew a gentle SSW breeze with wet weather (Manila 29.61). At S. Cape it blew a strong SE breeze (29.46) with detached clouds and mist. At Fisher Island (29.38) a moderate ENE breeze with threatening weather and passing showers, but ships to the north of the Pescadores reported storm-force from NE. At Middle Dog it blew a strong E gale with great squalls, and whole gales were reported from ships north of Formosa. At Amoy (29.40) it blew a fresh NE gale, at Breaker Point (29.29) a fresh NNE breeze with rain, but a vessel just to the south of the lighthouse reported a fresh NNW gale. The *Billy Simpson* has a fresh NW gale (28.80). At Kiungchow (29.61) it blew a strong W breeze and between Hainan and the Paracels it blew a fresh WSW gale with heavy rain. Between Annam and Palawan gentle SW breezes prevailed.

At 3p. on the 11th the centre was in 22° 35′ N, 116° 55′ E. The *Billy Simpson* had a strong SSW breeze. At S. Cape (29.50) it blew a fresh SE breeze. At Takow (29.43) a whole SW gale, at Anping (29.48) a moderate SE gale, at Fisher Island (29.36) a strong SE gale, north of Formosa strong NE gales, and at Tongsang Harbour (29.28) a fresh E gale, at Swatow (29.21) a whole gale from ENE, at Breaker Point (28.78) a NE storm, at Hongkong (29.28) a light WNW breeze, at Canton 29.31 a light N breeze and at Kiungchow (29.51) a strong W breeze. Several vessels between Swatow and the Pescadores reported a whole gale from ENE. The S. S. *Teheran* south of Breaker Point (29.08) had a strong WNW gale. The force of the typhoon was as usual much stronger in the right-hand semi-circle.

About 4.30p. on the 11th the centre entered the coast a few miles to the south of Breaker Point (28.58), where it blew a fierce typhoon with tremendous swell from SE, thick mist, passing showers and hard squalls from 4 to 5p. At the latter hour the wind had veered to E (28.63).

At 10p. on the 11th the centre was in 23° N, 114° 50′ E. It blew a fresh SE breeze in Tongsang Harbour (H.M.S. *Rambler* 29.47), a fresh ESE gale at Swatow (29.48) a moderate S gale at Breaker Point (29.36), a fresh W gale at Hongkong (29.20) and a fresh NW breeze at Canton (29.29).—At midnight the barometer had fallen to 29.19 and it blew a whole gale from NW.—At 4.15a. on the 12th it blew only a gentle ESE breeze (29.03) so that it appears that the centre passed between Hongkong and Canton and very near the city of Canton. At Hongkong (29.26) it blew a strong S breeze. At 6a. it blew a moderate SE gale at Canton (29.16).

At 2.50a. on the 12th the centre appears to have been in 22° 54′ N, 113° 15′ E. The wind dropped suddenly in Canton, according to observations made on board H.M.S. *Firebrand* and at 3.5a. it started to blow from the northward and worked round gradually to ENE. At 4.15a. it dropped again and blew only a gentle ESE breeze (29.03) so that the centre passed between Whampoa and Hongkong but very near Canton. A vessel at anchor at the Bogue Forts about 35 miles SE of Canton had the wind SW about the time of the lowest reading of the barometer. At Hongkong (29.26) it blew a strong S breeze. It is seen that the depression had filled very much since the morning of the 11th, when 28.65 was registered on board the ill-fated *Billy Simpson*, and also how very much lighter the wind is to the south of the centre of a typhoon in southern China, as although the centre passed within 40 miles to the north of Hongkong, the wind here at no time exceeded a strong gale, reaching whole gale force in some of the squalls.

At 9a. on the 12th the centre appears to have been in 22° 32′ N, 111° 52′ E. The weather at Pakhoi (29.56) had been very threatening and awfully hot. It blew a moderate NW breeze, which however changed to a moderate NNW gale at 10a. At Haiphong (29.61) it was blowing a light WNW breeze, at Kiungchow (29.57) a fresh WSW breeze, and ships to the E of Hainan observed a fresh SW gale. In the China Sea to the E of Cochin-China it blew gentle to fresh SW breezes and moderate SE breezes prevailed in SE China. At Canton (29.34) it blew a moderate ESE breeze and at Hongkong (29.44) a light NE air. At Kwei-Yang-Fu (26° 30′ N, 106° 35′ E) the Rev. G. ANDREW of the China Inland Mission observed a moderate ENE breeze with cumulus coming from same quarter, in the afternoon cum-nim came from NE.

At 3p. the centre may have been in about 22° 15′ N, 111° 12′ E. At Pakhoi (29.52) there were increasing squalls of wind and rain, clouds coming from NNW, the wind from NW. At Kiungchow (29.56) it blew a moderate WNW breeze. The barometer rose thereafter slowly at both these stations but the wind veered at Pakhoi through NNW (at 10p.), when there were violent squalls of wind and rain, to NNE (at 6a).

At 9a. on the 13th there was a gentle N breeze with rain at Kwei-Yang-Fu, a moderate NNE breeze at Pakhoi (29.59), a light SSW breeze at Kiungchow (29.65) and a gentle NW breeze at Haiphong (29.67). The centre of the depression may have been in 20½° N, 109° E, but the typhoon had ceased to blow. The storm that subsequently crossed northern China and Japan was not connected with this typhoon.

At 9a. on the 14th the barometer had risen in China and the Philippines (Hongkong 29.83, S. Cape 29.84, Manila 29.90). Light airs, fine but hot damp and rather cloudy weather prevailed.

At 9a. on the 15th the barometer was beginning to fall in Luzon (Manila 29 84) and in Formosa (S. Cape 29.78). Moderate SW breezes prevailed in the China Sea and fresh NE breezes in southern China and Formosa. The barometer had risen in southern China (Hongkong 29.87, Kiungchow 29.86, Pakhoi 29.85). Typhoon XVIII was NE of Luzon.

At 9a. on the 16th the centre was in 19½° N, 120° E. The path between the 15th and the 16th is due to Faura. A fresh SW breeze with rain and squally weather was reported from Manila (29.79). At S. Cape (29.74) it blew a strong NE breeze with passing showers. In the Formosa Channel it it blew a strong N breeze with foggy weather. In southern China there were light airs from different directions. The barometer had fallen along the SE coast (Hongkong 29.82) and had risen round the Gulf of Tonquin (Pakhoi 29.87, Kiungchow 29.85). The *Printzenburg* in 15½° N, 114° E had heavy rain and squalls with a gentle WNW breeze (29.75). The S S *Tai-Yuan* in 19½° N, 116° E had a fresh and increasing N breeze (29.70) with a very rough sea and threatening weather. The S.S. *Dafila* in 18° N, 116½° E had a fresh NW breeze and a nasty cross sea (29.67). The S.S. *Diamante* in 19° N, 117° E had fresh NW wind (29.68), which increased to a strong NNW gale with heavy squalls and a high sea at 8p.

Between 5p. and 7p. on the 16th a thunderstorm passed over Hongkong, coming from the NE and proceeding through N and W to SW. It was nearest (30 sec.) at 5.45p. At sunset strong lightning and cum-str clouds were observed in the W, while the eastern half of the sky was covered with R-cum lying in very clearly defined horizontal rolls, as frequently occurs before a typhoon.

The wind experienced on board the S.S. *Diamante*, which was bound for Hongkong, backed to NNE at 2a. on the 17th (29.19) and to NE at 7a. (28.64) at which time it was blowing a typhoon with such force as to drive the ship 5 knots to leeward, and it was found impossible to get the ship on the starboard tack. The lowest reading of the barometer (27.94) was recorded about 8.30a. The wind was then veering to the E. The centre was then in about 20° 15′ N, 115° 34′ E. The S. S. *Dafila* to the south of the centre experienced much more moderate gales.

At 9a. on the 17th the centre was in 20° 18′ N, 115° 13′ E. The barometer had risen at stations to the E of Hongkong and in Luzon (Manila 29.92). Along the SE coast of China it blew a strong NE breeze, at Hongkong (29.66) a fresh NE gale and at Pakhoi and Kiungchow (29.84) a gentle NW breeze. The *Diamante* in 20½° N, 115½° E experienced an E by S typhoon (28.04). At noon in 20° 50′ N, 115° 22′ E it blew from ESE but moderated (29.44). The *Printzenburg* in 17° N, 114½° E had a fresh SW gale a high sea and a very high ENE swell (29.73). The S.S. *Watergens* in 19° 18′ N, 114° 50′ E had a hard SW gale with fierce squalls and a high sea (29.71). It is believed that H.M.S. *Wasp* was lost in this typhoon.

At 9a. on the 18th the centre was in 21° 55′ N, 111° 0′ E. The barometer had risen in SEastern China (Hongkong 29.83) and Formosa (S. Cape 29.90) but was beginning to fall in Luzon (Manila 29.89) owing to the approach of the next typhoon. Gentle NE breezes blew in the Formosa Channel and a moderate SE breeze at Hongkong. In the China Sea the weather had quickly cleared and moderate SW breezes prevailed. But the barometer had fallen round the Gulf of Tonquin. At Pakhoi it blew a moderate NW breeze (29.64) but there were strong squalls with blinding rain, at Kiungchow a moderate W breeze (29.75) and at Haiphong a gentle WNW breeze (29.76) The previous night had been very rough, squally and wet both in Pakhoi and Kiungchow. The typhoon did great damage to junks and also by inundating low lying places near the month of the river in the neighbourhood of Yung-Kong.

In the afternoon on the 18th fierce squalls and rain with NW wind were observed by Mr. SIDFORD in Pakhoi but the barometer did not fall but rose after 2p. At 5p. the wind backed to W and the squalls and rain decreased. At 8p. the stars appeared. At 10p. there was a heavy W squall with rain, lightning and thunder. At midnight all was clear and the wind variable.

At 9a. on the 19th the centre of Typhoon XIX was in 16° N, 121° E. The following observations made by the superintendent of the E.E.A. & C. Co. were telegraphed from Bolinao: at 6a. 29.65 NNW 5, at 8a. 29.64 NW 7, at 9a. 29.57 NW 7, at noon 29.49 NW 8, at 2p. 29.38 NNW 8 "drizzling rain commencing, wind probably much stronger outside as there is a very heavy sea in harbour," at 4p. 29.31 NNW 8 raining, at 6p. 29.30 NW 8. At 10a. it blew a strong SW gale at Manila (29.57) and at 4p. a fresh SSW gale (29.45) with rain at both hours. At S. Cape it blew a gentle NE breeze at 9a. (29.84) with detached clouds and hazy weather. The barometer had risen at Hongkong (29.87) and at Kiungchow 29.85. At 8p. the calm centre passed over Bolinao (29.24) and at 9p. it blew a gentle SW breeze (29.34).

About 3a. on the 20th the wind suddenly changed to E at Bolinao and blew most furiously for about an hour and after then it rained very heavily. At 6a. (29.52) it blew a fresh SE breeze with wet and squally weather and at 8a. (29.59) a moderate SE breeze.

At 9a. on the 20th the centre was in 17° N, 117° E. A gentle SE breeze with rain was telegraphed from Bolinao (29.63) and a gentle SSE breeze with rain from Manila (29.79 at 10a.) At S Cape it blew a moderate NE breeze with passing showers (29.80). At Hongkong a gentle N breeze (29.76.) The S.S. *Victoria* in 10° N, 113½° E had a strong SW breeze and a high sea (29.94). The S.S. *Catterthun* in 12° N, 121° E had a moderate SSW breeze (29.78), and a high SW swell. The S.S. *Oxfordshire* in 20° N, 112° E had a moderate N breeze. The S.S. *Orestes* in 16° N, 113° E had a moderate and increasing WNW gale. The S.S. *Falkenburg* in 14° N, 110½° E had a moderate W breeze (29.82).

At sunset a threatening appearance was observed in Hongkong to the southward and a paries of heavy clouds upon which scud was seen. Cirro-stratus were stretched from E to W and after sunset large crepuscular rays appeared. Strong lightning lighted up the NWestern sky.

At 9a. ou the 21st the eentre was in 18° N, 114° E. It blew a moderate ENE gale at Hongkong (29.67) with squally weather, a strong NNW breeze at Kiungchow (29.65) with passing rain squalls, a moderate N breeze at Pakhoi (29.71) with squally appearance to Eastward. The S. S. *Victoria* in 13° N, 112° E (29.77) had a fresh SW gale and high sea. The S. S. *Oxfordshire* to the southwest of the Ladrones had an ENE veering to SE gale, blowing hardest at E. It blew with hurricane-force in the squalls and with very heavy rain. The S. S. *Orestes* had experienced a SW typhoon at 4.30a. (29.29) with a tremendously high cross sea. It was now blowing a whole gale from SSW (29.45). The S. S. *Falkenburg* in 16° N, 110½° E had a fresh WNW gale (29.57). The S. S. *Fidelio* in about 20° N, 112½° E had a moderate NE gale (29.41), (subsequently the weather got worse and at 6p. in 19½° N, 111½° E (28.76) it blew a SE storm). The S. S. *Wingsang* in 15° N, 110½° E (29.65) had a strong SW breeze. The swell appears to have extended over the entire China Sea.

At 3p. on the 21st the centre was in 19° 8′ N, 111° 26′ E. It blew a strong E gale at Hongkong (29.65). The S. S. *Activ* between Hongkong and Kiungchow experienced an ENE storm. At Klungchow (29.31) it blew a whole gale from NE with fierce squalls. At Pakhoi 29.55) it blew a fresh N breeze. At Haiphong (29.65) it blew a light NNW breeze. The S. S. *Falkenburg* in 17° N, 110° 40′ E had a fresh WNW gale (29.54). The S. S. *Wingsang* in 14½° N, 110½° E had a fresh SSW gale (29.64).

At 7p. on the 21st the centre was in 19° 44′ N, 110° 17′ E. At Kiungchow (28.91) it blew a NE storm, at Pakhoi (29.39) it blew a strong NE gale but no rain fell. The S.S. *Danube* in 20½° N, 107½° E (29.56) had a moderate N gale and an increasing easterly swell. The S.S. *Falkenburg* in 17° N, 110° 43′ E had a moderate W gale (29.58). The S. S. *Wingsang* in 14° N, 110½° E had a strong SSW breeze (29.59).

At 10p. on the 21st the centre was in 19° 56′ N, 109° 2′ E. At Kiungchow (29.17) it blew a whole gale from SE; at Pakhoi (29.45) it blew a whole E gale. Mr. SIDFORD mentions that the force of the wind was at this time stronger than he has ever noticed at Pakhoi. The S. S. *Danube* (29.49) in 20° N, 108° E hove to, experienced a strong N gale rising to typhoon force at 1a. with fierce squalls tremendous sea and heavy rain. The S.S. *Falkenburg* in 17° N, 110° 43′ E had a strong WSW breeze (29.62).

At 1a. on the 22nd the S. S. *Danube* hove to in 20° 5′ N, 108° 14′ E (29.30) had still a typhoon from the north with fierce squalls and heavy rain. At 1.30a. it moderated suddenly, the sky cleared and the stars were visible. At 2a. (29.28) the wind veered quickly round by E and at 3a. (29.25) the wind and sea increased quickly from the S. At 4a. the lowest reading of the barometer 29.24 was entered the wind continually increasing from the same quarter. At 5a. (29.25) it blew in horrible gusts and the rain poured down in torrents.

At 9a. on the 22nd the centre appears to have been in 21° N, 106° E. It blew hard from the E at Haiphong (29.17) where the wind had veered from N. At Pakhoi (29.69) it blew a moderate SE breeze. A heavy thunderstorm was passing 5 miles to the Westward but the sky was clearing. The S.S. *Danube* in 20° 20′ N, 108° 16′ E had moderating SE wind and sea (29.56). To the SE of Hainan and in the neighbourhood of the Paracels it blew a moderate SSW gale and a fresh SSW breeze along the coast of Cochin-China. The weather was fine and bright in Luzon (Manila 29.98, Bolinao 29.91).

At 9a. on the 23rd the barometer had fallen and a light WNW air was telegraphed from Manila (29.82). From Bolinao (29.93) a light N breeze was reported. The barometer had risen in China (Hongkong 29.99) but had fallen slightly at S. Cape (29.92).

At 9a. on the 24th Typhoon XX was in about 16° 40′ N, 122° 18′ E. From Bolinao (29.51) a strong W gale with squally and wet weather was telegraphed. It had backed from NW and the wind had risen about 6a. From Manila (29.61) a light W breeze was telegraphed but it was squally. In the Formosa Channel it blew a strong N breeze, the barometer was falling and the air was hazy. At S. Cape (29.68) it blew a strong NNE breeze. In the northern part of the China Sea gentle N breezes prevailed, while fresh NW breezes were reported from the neighbourhood of Cochin-China. At Kiungchow the barometer (29.94) had risen. It blew a light W air.

At 4p. the centre of the typhoon was in 16° 46′ N, 120° 34′ E. It blew with full typhoon force with heavy rain at Bolinao (29.15), and a fresh SW breeze at Manila (29.47). The S.S. *Zafiro* in 16° 25′ N, 118° 35′ E (29.28) had a WNW typhoon. The lowest reading of the barometer (29.11) was made at 8p. when the squalls were terrific with heavy rain and sea. The wind then veered to SW (at midnight).

At 9a. on the 25th the centre was in 18° 11′ N, 117° 42′ E. A moderate S breeze was reported from Bolinao (29.69) and a light SSE breeze from Manila (29.77). The S.S. *Zafiro* in 16° 25′ N, 118° 35′ E had still heavy squalls from SSW but the sky was clearing. The S.S. *Diamante* in 17½° N, 117½° E had a strong WSW gale with a terrible sea (29.20). The lowest reading (29.04) with NW storm had been entered at 4a. Along the SE coast of China (Hongkong 29.70) it blew a fresh NE breeze but N of Formosa a fresh E gale. Near the E coast of Hainan it blew a strong NW breeze. A thunderstorm was raging at Kiungchow (29.76). South of Hainan it blew a fresh WNW breeze, and a fresh W breeze in the Southern part of the China Sea. The sea was getting up in the China Sea as far as the Gulf of Siam and there was a swell in the Gulf of Tonquin.

At 9a. on the 26th the centre was in 19° 37′ N, 110° 33′ E. It blew a strong E breeze at Hongkong. The sky was clear over Luzon (Bolinao 29.91 SE 2). At Kiungchow (29.17) it blew a fresh NE gale, and at Pakhoi (29.57) a moderate N gale with driving mist and a heavy sea. The S.S. *Galley of Lorne* in 17½° N, 111° E (29.55) had a fresh SW gale. The S.S. *Danube* in 20½° N, 112° E had a whole gale from ESE. The S.S. *Chelydra* in 18½° N, 111° E had a heavy SW gale. A great number of vessels were involved in the typhoon on this day. The S. S. *Anton* in 20° N, 109½° E experienced the typhoon from NE veering to E and shortly after noon it suddenly veered to SE and blew with great force.

At 3p. on the 26th the centre was in 20° N, 108° 30′ E. The S. S. *Anton* (29.35) had a SE storm. The S.S. *Marie* (29.52) at anchor waiting for a pilot to take her into Haiphong had a NW storm At Kiungchow (29.45) it blew a strong SE breeze. At Pakhoi (29.47) a fresh NE gale. Much damage had been done to junks. The typhoon entered Annam to the south of Haiphong about midnight.

At 9a. on the 27th the barometer had risen at all stations in southern China, Formosa (S. Cape 29.98) and Luzon (Bolinao 29.98). Fresh SE breezes prevailed in the China Sea and light N breezes in the Formosa Channel.

At 9a. on the 28th the barometer had fallen round the Formosa Channel (S Cape 29.93) and in Luzon (Bolinao 29.94). The weather was misty. The S.S. *Tsinan* in 12° N, 131½° E had a fresh WSW breeze (29.86) and squally weather. At Bolinao a light NW breeze was observed and at S. Cape a gentle NE breeze. The centre of Typhoon XXI may possibly have been in about 16° N, 132° E.

At 9a. on the 29th the centre may have been in about 18° N, 129° E. The S.S. *Tsinan* in 14½° N, 129° E (29.86) had a moderate W breeze and squally weather. At Bolinao (29.86) it blew a light WNW breeze and light rain had set in. At S. Cape (29.84) it blew a moderate NNE breeze. It blew a fresh N breeze in the Formosa Channel.

At 9a. on the 30th the centre may have been in about 21° N, 128° E. The S.S. *Tsinan* in 17° N, 125½° E had a gentle WSW breeze with a heavy NW swell. Along the NW coast of Luzon it blew hard from NNE. In the Formosa Channel it blew a fresh N gale, and at S Cape (29.78) a strong NNE breeze. At this time the next typhoon was forming in the China Sea.

At noon on the 1st **October** the ship *Young Siam* in 21½° N, 114° E had a strong ENE breeze. The S.S. *Wellingdorf* in 15° N, 119° E had a moderate SSE wind with passing showers and squally weather. The S.S. *Gulf of Aden* in 14° N, 113° E had a fresh N by W gale, very squally and wet weather and a high NW sea. The S.S. *Glaucus* in 13° N, 112° E (29.79) had a moderate NW breeze with heavy rain squalls. At this time Typhoon XXII was probably raging in the neighbourhood of 12½° N, 117° E.

At noon on the 2nd the centre appears to have been in 13½° N, 115½° E. The ship *Young Siam* in 21° N, 113½° E reported a NE storm. The S.S. *Breconshire* in 18° N, 111° E (29.78) reported a a moderate NNE gale and a high sea. The ship *John M. Blaikie* in 7½° N, 110° E had a fresh WSW breeze with squally and wet weather. H.M.S. *Cockchafer* in 16° N, 110° E (29.82 uncorrected) lying to on the starboard tack observing the appearances of the weather reported a strong NNE gale, a mountainous sea from the same quarter and a very heavy confused swell. At 1.45p. they wore the ship and ran away down south. The S.S. *Gulf of Aden* in 13½° N, 113° E (29.27) had a very strong NW gale and high sea. The S S. *Glaucus* in 13° N, 112½° E (29.44) had also a strong NW gale and a heavy NNE sea.

The S.S. *Glaucus* experienced at 3p. in 12° 36′ N, 113° 7′ E (29.32) the full typhoon force from W by S. The sea was something terrific. The typhoon lasted till 7p. when it blew from SW in furious gusts but the sea was then more regular. The centre of the typhoon was at that hour in about 13° 50′ N, 113° 30′ E. At midnight (29.44) it blew a strong SSW gale. The S.S. *Gulf of Aden* experienced similar weather.

At noon on the 3rd the centre was in 13° 48′ N, 111° 27′ E. The S.S. *Glaucus* in 14° 20′ N, 114° 55′ E (29.63) had a moderate SE breeze and a confused sea and some rain squalls in the afternoon. The S.S. *Breconshire* in 14° 14′ N, 109° 46′ E (29.61 uncorrected) had a strong NNE gale and a high confused sea. H.M.S. *Cockchafer* in 13° 50′ N, 109° 43′ E (29.51 uncorrected) had a whole gale from N by W and a mountainous sea. The ship *John M. Blaikie* in 11° N, 112° E had an increasing W gale, heavy confused sea and rain. In Touron it blew strong from NE with rain. At 7p. the wind fell to calm on board H.M.S. *Cockchafer* in 13° 44′ N, 109° 49′ E "much better appearance of the weather, dozens of birds of all sorts settling on board ship" (29.36). At 9p. it blew a gentle SE breeze. At 10p. (29.45) it blew a whole gale from SE with very fierce squalls and a mountainous sea. The sea had calmed down greatly, while the calm centre passed over. It must have been about 25 miles in diameter. The sky was nearly half clear in the middle. On board the S. S. *Breconshire* the wind backed about 7.30p. from NW to WSW in terrific squalls with heavy rain. At midnight it blew a strong SW gale.

At noon on the 4th the centre appears to have been in 15° N, 106½° E. It blew strong from NE in Touron with occasional violent squalls. H.M.S. *Cockchafer* in 13° 26′ N, 110° 7′ E had a light S breeze (29.67). The S. S. *Breconshire* in 11° N, 109° E (29.75) had a whole gale from WSW, which backed to SW and decreased in the evening. The S. S. *Sussex* in 11½° N, 109° E had a strong SW breeze and a high sea (29.64). The *Young Siam* in 19½° N, 113° E had a strong NE breeze.

Evidently the wind blew strongest in this typhoon on the 2nd and it blew strongest the whole time in the right-hand semi-circle.

On the 4th of October the Barque *Velocity* in 19½° N, 130½° E had a brisk NNE breeze in the morning and it blew hard from NNW in the afternoon with showers of rain. Another ship in 19° N, 141° E had squally weather and a heavy SW sea. Typhoon XXIII may have been in about 19° N, 133½° E.

On the 5th it appears to have been in about 20½° N, 131½° E. The *Velocity* had hard NNW wind with fierce squalls in the early morning hours. Then the wind backed to W and increased in force and continued so during the evening when it began to back to SW. The other vessel in 19½° N, 139½° E had a fresh S gale and a heavy SW sea.

At 9a. on the 6th the centre was probably in 23° N, 129½° E. The *Velocity* in 19½° N, 130° E was still under bare poles. It blew from SW backing to the S (in the evening) with a high sea from the north. It moderated in the evening. In 19½° N, 138½° E it was still blowing hard from S with a heavy SW sea but moderated at night. At S Cape (29.55) it blew a strong WNW breeze. The weather was fine but hazy. In northern Formosa it blew a strong N gale and a fresh NW gale at Wenchow.

At 9a. on the 7th the centre appears to have been in about 26½° N, 130° E. It blew a moderate N gale at Steep Island (29.88). The typhoon was recurving and must have been in about 32° N, 141° E at 9a. on the 8th according to the Tokio Weather-maps.

On the evening of the 21st October the barometer (29.87 at 9p.) had fallen about a tenth of an inch in the past 24 hours and began to rise very slowly at S. Cape, Formosa. The weather has been fine but drizzling rain with a gentle N breeze set in during the night. It blew a strong NNW breeze between Formosa and Shanghai.

At 9a. on the 22nd Typhoon XXIV appears to have been in about 27° N, 128½ E. It blew a strong NW breeze at Steep Island and a fresh N breeze to the north of Formosa. The S.S. *Carisbrooke* in 31½° N, 127° E had a N gale and rapidly increasing sea. At 9p. the centre was in 31½° N, 131½° E according to the Tokio Weather-maps. The S.S. *General Werder* had a fresh ENE gale in the Inland Sea. The weather rapidly grew worse and the wind increased to typhoon force at midnight.

At 1a. on the 23rd the calm centre was met by the S. S. *General Werder* in about 33° 40′ N, 132° 10′ E (29.21) after which it blew a W storm with a rapidly rising barometer. The calm centre lasted for about 20 minutes and the brighter stars were visible. This corresponds to a diameter of about 15 miles. At 6a. the centre was in 37° N, 135½° E, at 2p. in 37° N, 138° E, at 9p. in 37½° N, 139½° E according to the Tokio Weather-maps and at 6a. on the 24th there remained a slight depression in 39½° N, 140½° E.

In the beginning of **November** moderate gradients for NE winds prevailed over the China Sea. On the 6th the barometer was rising in the north and falling in the south and gradients for NE winds were steep. From the 9th till the 11th it blew strong NE breezes rising occasionally to fresh gales with squally and wet weather, heavy seas and swell as far south at 12° N latitude and the barometer was falling. Typhoon XXV was probably at the time raging in the neighbourhood of Palawan but the ship-logs are not sufficient to lay down the path.

From the 11th till the 14th it blew a strong NE monsoon in the China Sea. At noon on the 15th the S.S. *Tartar* in 10° N, 110° E had a strong N gale and a squally weather with a rising sea and falling barometer. The S.S. *Septima* in 14° N, 112° E had a strong NNE breeze and similar weather. The S.S. *Oopack* in 5° N, 106° E had a gentle W breeze with NE swell. At this time Typhoon XXVI must have raged near Southern Palawan.

At noon on the 16th the typhoon was probably in about 10° N, 113° E. The S. S. *Tartar* experienced a fierce N typhoon with a very high and very confused sea. The S.S. *Bengloe* in 3° N, 105½° E had a NW breeze with squally and unsettled weather. The S.S. *Oopack* in 8° N, 108° E (29.87) had a fresh WNW breeze and a high NE swell. The S.S. *Deuteros* in 8½° N, 110° E (29.78) had a strong NW breeze and a high sea.

At noon on the 17th the centre of the typhoon was probably in about 10° 58′ N, 111° 50′ E. The S.S. *Tartar* experienced a NNW typhoon, blowing with horrible force, a mountainous cross sea and torrential rain. The ship was under water and it was impossible to stand on the bridge without being lashed. The wind increased perhaps in violence. At 4.30 next morning there was a rather sudden shift of wind to SW, from which quarter it blew with unabated fury. The ship *Erato* in 17½° N, 128° E (29.98) had a fresh NE breeze and partly clouded sky. The S. S. *Bengloe* in 6° N, 107° E had fine weather and light NW breeze but a heavy head sea. The S.S. *Oopack* in 10° N, 110° E (29.84) reported a strong NNE gale, heavy rain and a tremendous sea. The S.S. *Deuteros* in 10° N, 110½° E (29.69) reported a strong W wind and heavy sea. This steamer experienced a SW typhoon, very high sea and heavy rain next midnight. The S. S. *Taisang* in 3° N, 105½° E (30.05) reported a moderate NW breeze with passing showers.

At noon on the 18th the centre of the typhoon was in about 11° 49′ N, 110° 20′ E. The S. S. *Tartar* had still a typhoon from SW, but at 2p. it suddenly abated and the sea began to fall. The ship *Erato* in 19° N, 125½° E (30.09) had a strong NE breeze and overcast sky. The S.S. *Deuteros* in 10° N, 110½° E had a decreasing SSW typhoon.

At noon on the 19th this typhoon had ceased to blow. The S.S. *Oopack* in 14° N, 113° E had a fresh NE breeze and a heavy NE sea. The S.S. *Taisang* in 9° N, 109° E (30.05) had a gentle NE breeze and fine weather.

At noon on the 25th Typhoon XXVII was in 9° N, 126½° E according to Faura's Maps. The barometer had risen in China (Hongkong 30.19 at 10a.) and was steady in Luzon (Manila 29.95 at 10a.) The S.S. *Chelydra* in 12° N, 109° E encountered strong NE wind and very heavy head sea. H.I.C.M.S. *Ching-Yuan* in 18° N, 118° E had a moderate NNE gale.

At noon on the 26th the centre was in 11° N, 127½° E according to the Faura's maps. The barometer had fallen in Luzon (Manila 29.93 at 10a.) and risen in China (Hongkong 30.23 at 10a.) The S.S. *Chelydra* in 13° N, 111° E encountered strong NNE wind. The S. S. *Glengyle* in 10° N, 111° E had a fresh NNE breeze and a high swell.

At noon on the 27th the centre appears to have been in about 13° N, 118° E according to Faura's maps. The barometer had fallen (Hongkong 30.17, Manila 29.83 at 10a.). The S. S. *Chelydra* in 15° N, 112° E had a strong NNE wind and high sea with rain squalls the following evening. The *Ching-Yuan* in 20° N, 116° E had a moderate NNE gale and high NE sea, "cross breaking sea occasionally." The *Glengyle* in 13° N, 113° E had a strong N by E breeze and a high sea. The S. S. *Japan* in 12° N, 112° E (29.97) reported a fresh N by W breeze and increasing and very confused sea and N swell.

At noon on the 28th the centre was in about 15° 25′ N, 116° 30′ E. The *Glengyle* in 15° 16′ N, 114° 55° E (29.76) had a strong NW gale and a mountainous sea. At 6p. it blew a storm from WNW and later in the evening from WSW. The *Japan* in 14° N, 113° E (29.90) had hard NW squalls of wind and rain and very high NE sea. The S.S. *Phra Chula Chom Klao* in 17½° N, 111° E had a strong N wind, high sea and high NE swell. The S.S. *Ching-wo* in 5½° N, 107° E had a fresh NE breeze. The S.S. *Chelydra* in 17° N, 113° E had a N by E gale with heavy squalls and very high sea. At Bolinao (29.85 at 9a.) it blew a gentle SE breeze and the sky was blue.

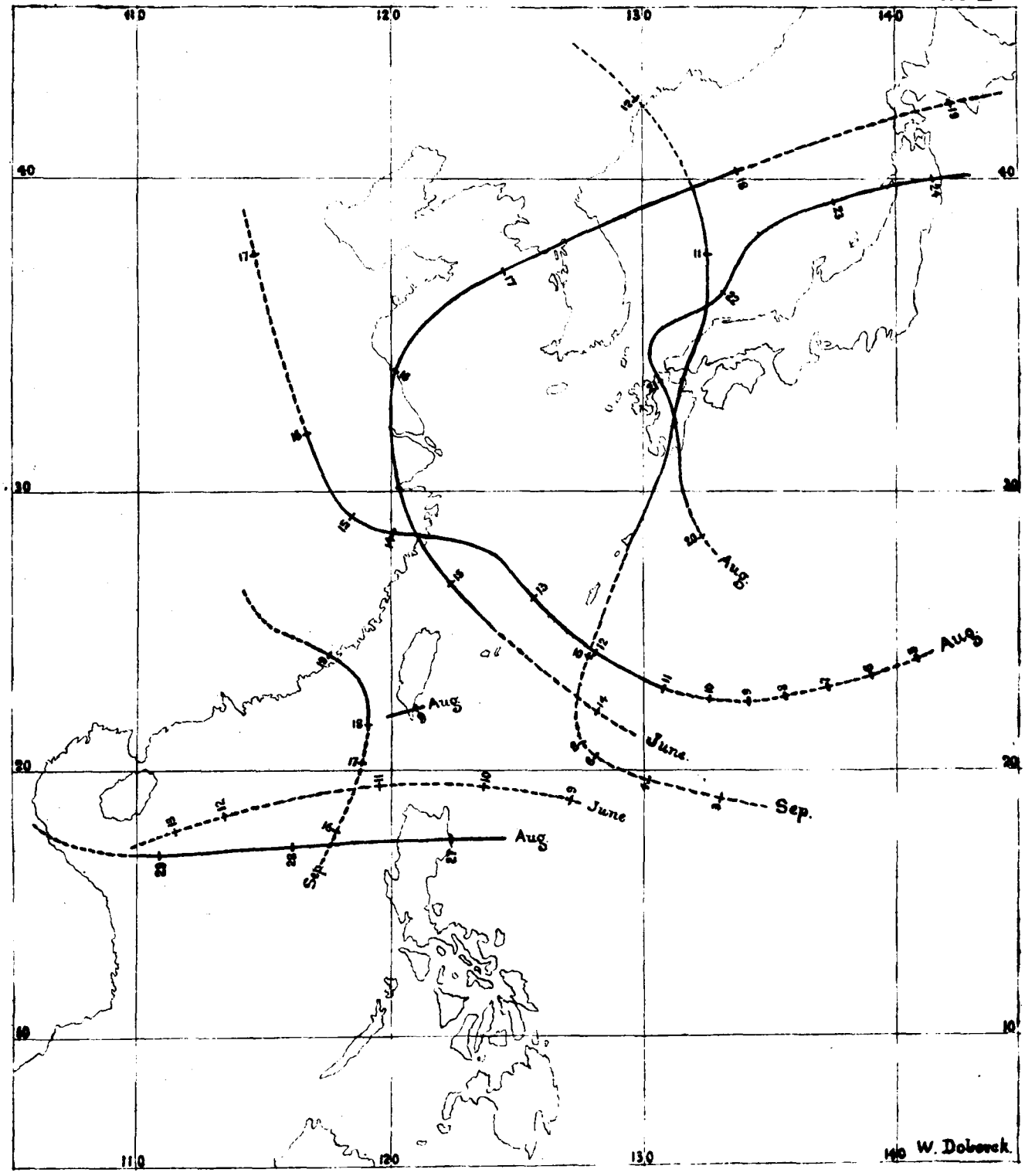
At noon on the 29th the centre was in about 18° 20′ N, 115° 45′ E. At Bolinao (29.94 at 9a.) it blew a light S breeze and the sky was blue. At S Cape it blew a moderate NNE gale which increased to a strong gale from the same quarter during the following night, but the barometer was rising. The *Glengyle* in 17° 22′ N, 115° 58′ E (29.71) experienced a heavy blow of the typhoon from SW with very high E and NE swell. During the following night the wind backed to ENE from which quarter it blew a whole gale with great squalls and heavy rain on the following day but the typhoon had then ceased to blow. The *Japan* in 17° N, 114½° E (29.91) had NW wind and very high seas from NW and NE. The *Phra Chula Chom Klao* in 19½° N, 112° E (29.95) had a moderate N gale, continuous light rain and very high cross sea. The *Chelydra* in 19° N, 114° E experienced terrific squalls from N by E, torrents of rain and a tremendous sea. In Hongkong wet weather, very unusual for the season set in and it blew a strong NE breeze at the Peak in the afternoon.

The paths of the typhoons in 1886 and 1887, which have been determined, are represented on Plates I, II, III, IV and V. The position of the centre at 9a. on each day is marked. The dotted parts of the paths are more or less uncertain.

W. DOBERCK.

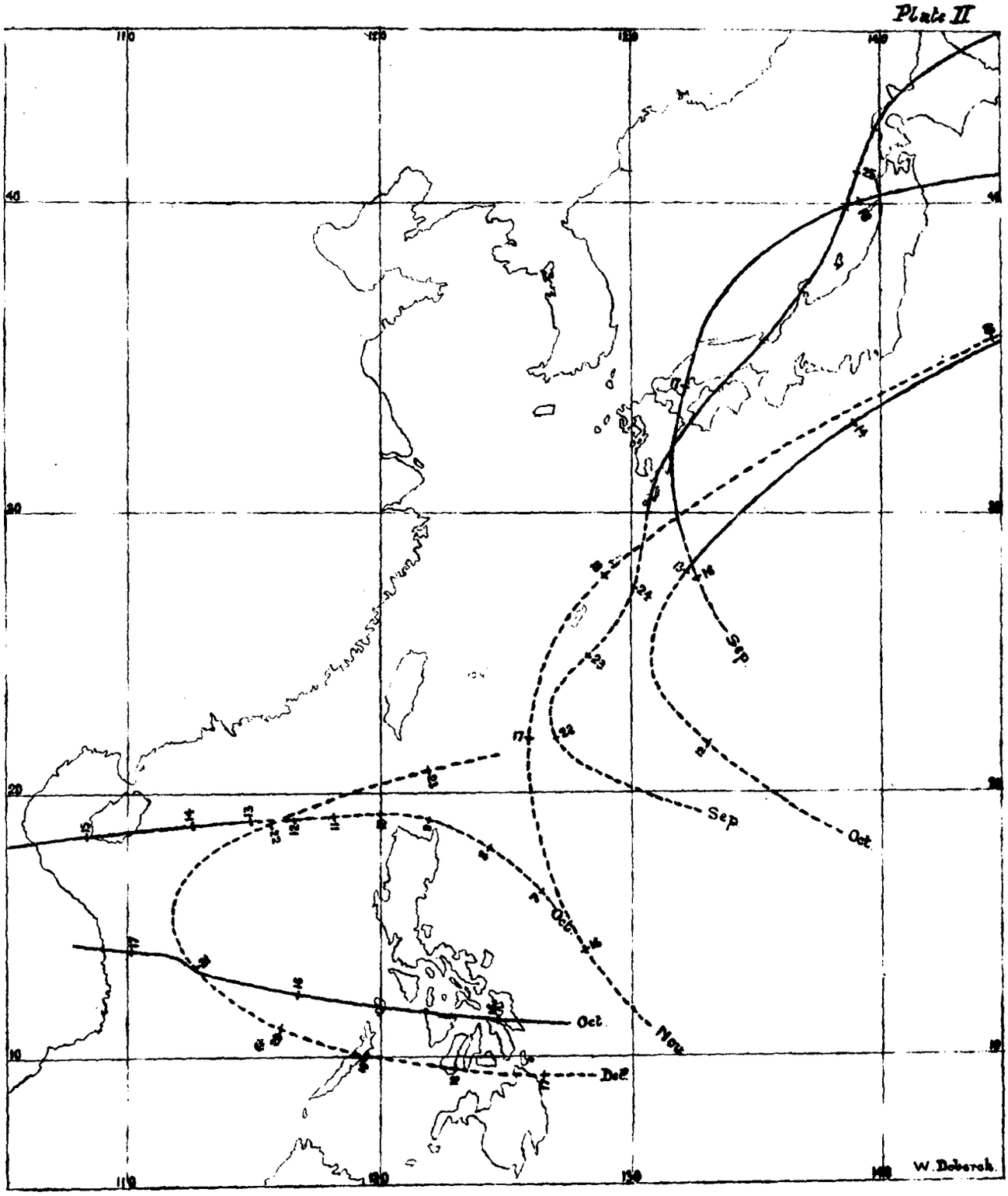
Hongkong Observatory, 1st October, 1888.

Plate I.



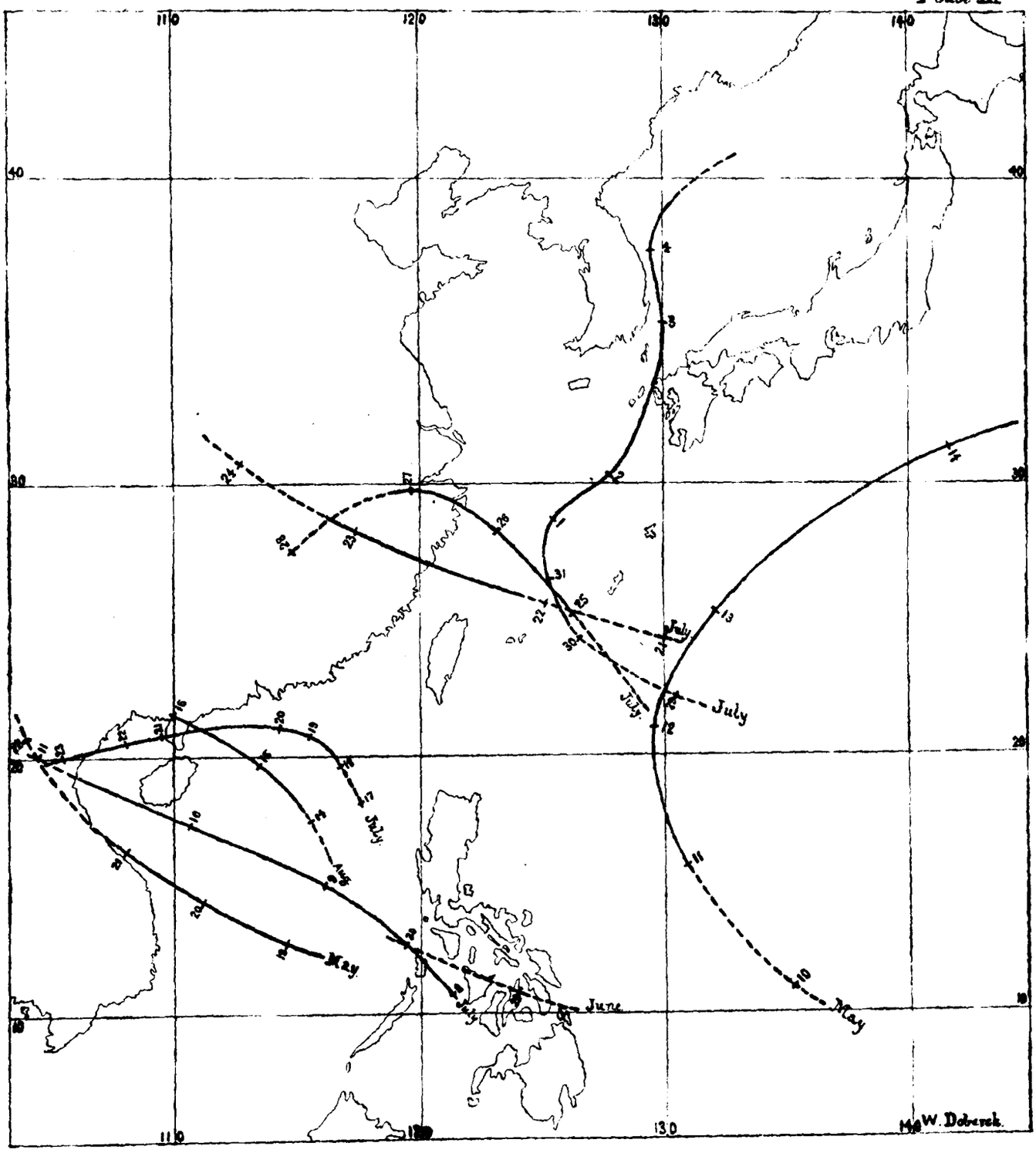
Typhoons I. II. IV. V. VI. VII. VIII. X of 1886.

Plate II



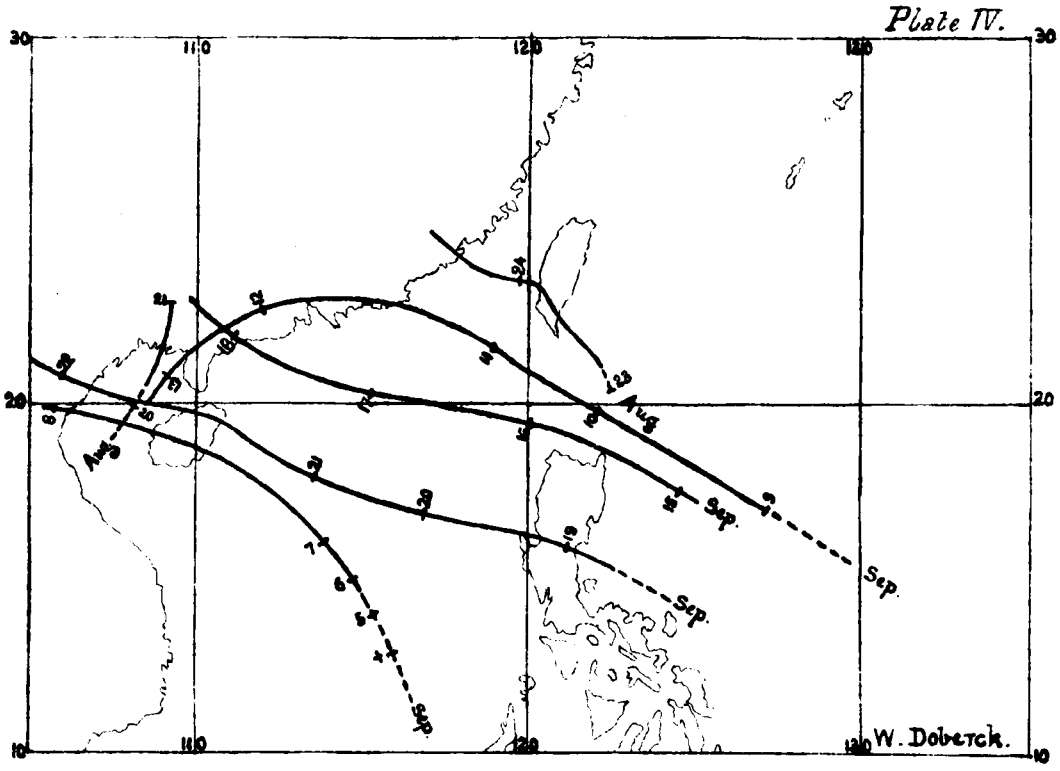
Typhoons IX. XI. XIII. XIV. XV. XVI. XVII of 1886

Plate III



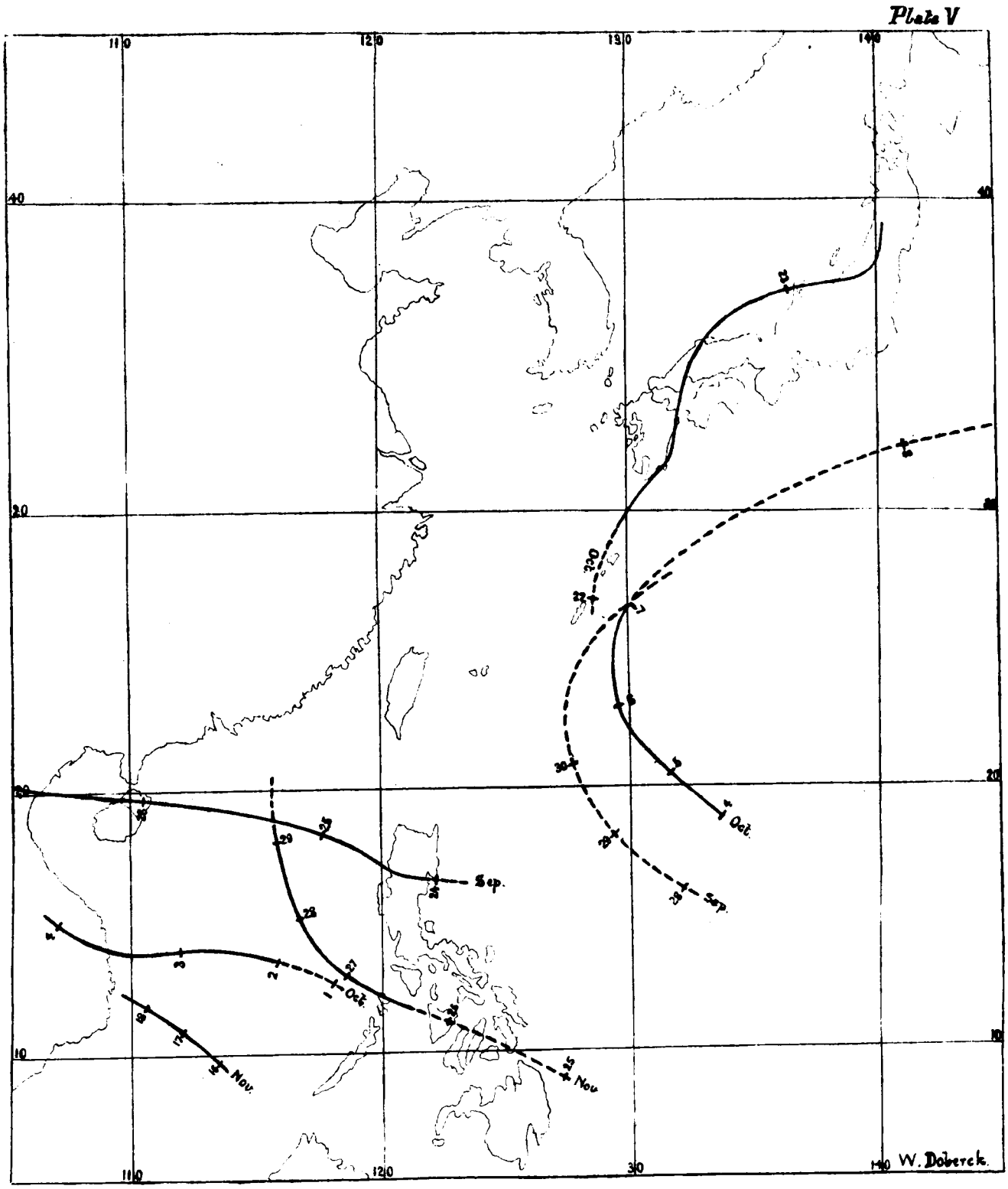
Typhoons IV. V. VII. VIII. IX. X. XI. XII. XIII. of 1887.

Plate IV.



Typhoons XIV. XV. XVI. XVII. XVIII. XIX of 1887.

Plate V



Typhoons XX. XXI. XXII. XXIII. XXIV. XXVI. XXVII of 1887.

HONGKONG OBSERVATORY.

WEATHER REPORT FOR THE YEAR 1888.

JANUARY, 1888.

Fog—early morning of the 10th.

Hazy—2nd, 4th, 5th, 7th, 9th, 17th and 19th.

Dew—6th, 8th, 9th, 16th, 17th, 18th, 19th and 24th.

Lunar corona—28th.

The total distance traversed 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	596	65	9.2
NE	755	56	13.5
E	8246	495	16.7
SE	549	55	10.0
S	9	3	3.0
SW	20	3	6.7
W	89	13	6.8
NW	109	13	8.4
Calm	24	41	0.6

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF JANUARY, 1888.

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, ...	30.229	30.226	30.221	30.218	30.218	30.227	30.237	30.254	30.268	30.271	30.253	30.227	30.196	30.177	30.171	30.166	30.171	30.179	30.199	30.215	30.232	30.238	30.226	30.216	30.218
„ 2, ...	.217	.214	.213	.207	.219	.227	.242	.265	.279	.273	.253	.220	.186	.161	.153	.152	.155	.161	.172	.185	.195	.204	.200	.185	.206
„ 3, ...	.184	.172	.176	.171	.175	.182	.189	.206	.229	.232	.223	.193	.154	.134	.131	.128	.123	.135	.151	.175	.189	.186	.180	.169	.174
„ 4, ...	.165	.162	.150	.148	.147	.159	.180	.202	.217	.222	.210	.175	.148	.137	.132	.139	.150	.165	.183	.200	.210	.207	.214	.210	.176
„ 5, ...	.203	.184	.178	.172	.175	.181	.198	.221	.240	.237	.217	.182	.148	.130	.118	.117	.128	.134	.155	.170	.179	.177	.164	.154	.173
„ 6, ...	.146	.139	.136	.131	.131	.141	.157	.176	.191	.191	.170	.138	.108	.090	.081	.075	.085	.094	.106	.119	.127	.130	.129	.117	.129
„ 7, ...	.110	.105	.100	.098	.104	.112	.123	.143	.163	.160	.138	.107	.088	.056	.045	.052	.066	.074	.088	.105	.118	.118	.121	.122	.105
„ 8, ...	.120	.109	.094	.090	.094	.098	.096	.132	.149	.150	.132	.095	.061	.042	.031	.032	.031	.044	.065	.075	.083	.086	.079	.064	.086
„ 9, ...	.052	.039	.023	.013	.008	.014	.024	.037	.052	.054	.037	.006	29.973	29.952	92.936	29.943	29.948	29.955	29.969	29.990	29.991	29.994	29.992	29.983	29.999
„ 10, ...	29.988	29.983	29.965	29.959	29.960	29.972	29.982	.009	.031	.042	.031	.004	.972	.953	.941	.956	.964	.980	30.001	30.031	30.045	30.051	30.049	30.048	.997
„ 11, ...	30.045	30.041	30.032	30.029	30.030	30.039	30.052	.066	.082	.079	.061	.027	.991	.962	.945	.937	.942	.949	29.959	29.975	29.980	29.987	29.997	29.991	30.008
„ 12, ...	29.990	29.981	29.963	29.957	29.967	29.978	29.991	.010	.031	.043	.030	.004	.965	.945	.929	.923	.923	.924	.935	.957	.965	.970	.968	.959	29.971
„ 13, ...	.958	.941	.926	.924	.924	.939	.958	29.982	29.990	29.998	29.983	29.953	.929	.895	.881	.875	.896	.913	.927	.953	.963	.972	.975	.971	.943
„ 14, ...	.969	.961	.957	.961	.967	.983	.999	30.011	30.028	30.045	30.035	30.003	.967	.951	.948	.953	.963	.962	.972	30.006	30.008	30.017	30.024	30.025	.988
„ 15, ...	30.020	.996	.993	.980	.976	.982	.991	.021	.030	.030	.022	29.987	.943	.911	.891	.887	.910	.921	.945	29.942	29.955	29.948	29.931	29.919	.968
„ 16, ...	29.920	.917	.909	.908	.914	.921	.935	29.945	29.958	29.964	29.940	.910	.872	.844	.835	.834	.844	.855	.868	.885	.893	.896	.892	.881	.897
„ 17, ...	.878	.881	.886	.883	.894	.916	.916	.939	.952	.959	.944	.915	.893	.874	.870	.868	.886	.886	.897	.905	.906	.903	.904	.902	.902
„ 18, ...	.907	.898	.910	.906	.918	.941	.954	.977	.991	30.008	.979	.960	.916	.901	.896	.897	.913	.922	.939	.952	.961	.970	.966	.962	.939
„ 19, ...	.955	.995	.951	.958	.966	.978	.988	30.002	30.022	.029	30.024	30.000	.980	.954	.948	.958	.975	.985	.996	30.008	30.024	30.029	30.025	30.028	.989
„ 20, ...	30.033	30.030	30.030	30.028	30.043	30.066	30.082	.121	.138	.114	.108	.083	30.061	30.043	30.038	30.047	30.065	30.085	30.106	.127	.137	.134	.137	.132	30.083
„ 21, ...	.124	.115	.113	.116	.116	.126	.137	.158	.174	.179	.151	.116	.084	.059	.053	.063	.076	.075	.080	.098	.112	.123	.124	.123	.112
„ 22, ...	.118	.103	.098	.089	.091	.098	.116	.128	.140	.143	.133	.111	.071	.061	.045	.042	.052	.063	.079	.090	.100	.107	.096	.091	.094
„ 23, ...	.080	.062	.058	.055	.061	.066	.091	.120	.138	.143	.128	.092	.062	.038	.029	.026	.024	.026	.040	.049	.055	.066	.065	.065	.068
„ 24, ...	.055	.047	.043	.036	.040	.056	.075	.084	.087	.087	.074	.048	.017	29.997	.001	29.999	.014	.010	.027	.043	.050	.051	.056	.048	.044
„ 25, ...	.047	.033	.016	.000	.001	.013	.043	.059	.071	.086	.069	.029	.015	.975	29.964	.971	29.993	.012	.031	.058	.067	.076	.089	.085	.033
„ 26, ...	.091	.093	.076	.059	.063	.080	.105	.123	.142	.147	.133	.103	.070	30.059	30.058	30.067	30.067	.086	.094	.098	.114	.115	.117	.118	.095
„ 27, ...	.111	.109	.092	.091	.080	.078	.088	.094	.132	.145	.123	.101	.072	.053	.045	.051	.061	.067	.075	.087	.102	.100	.106	.107	.090
„ 28, ...	.099	.086	.081	.070	.065	.071	.100	.106	.118	.120	.103	.096	.066	.047	.037	.035	.048	.058	.054	.059	.067	.076	.078	.079	.076
„ 29, ...	.076	.057	.039	.029	.016	.037	.048	.063	.076	.084	.072	.033	.007	29.983	29.974	29.968	29.964	29.981	29.999	.008	.001	29.992	.013	29.994	.021
„ 30, ..	29.994	29.978	29.964	29.961	29.962	29.962	29.969	29.988	29.998	.021	29.982	29.959	29.944	.936	.944	.970	.988	30.013	30.017	.036	.039	30.037	.048	30.047	29.990
„ 31, ...	30.060	30.069	30.059	30.079	30.100	30.103	30.105	30.117	30.133	.150	30.137	30.101	30.084	30.081	30.082	30.083	30.109	.112	.122	.135	.137	.139	.138	.135	30.107
Hourly Means, ...	30.063	30.054	30.047	30.043	30.046	30.056	30.070	30.089	30.105	30.110	30.093	30.064	30.034	30.013	30.005	30.007	30.017	30.027	30.040	30.056	30.065	30.068	30.068	30.062	30.054

TABLE II.

TEMPERATURE FOR THE MONTH OF JANUARY, 1888.

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,	47.5	45.7	45.0	44.9	43.3	43.1	46.0	48.6	51.0	53.7	54.4	54.8	56.4	57.4	55.7	55.7	55.2	53.2	51.2	52.7	52.9	51.7	49.7	48.7	50.8	57.7	42.8
„ 2,	47.8	47.4	48.1	46.9	47.1	49.0	49.7	51.9	54.2	56.8	59.4	58.6	58.5	59.8	59.9	58.3	57.1	54.5	55.1	53.8	55.7	55.5	55.5	55.7	54.0	60.1	46.7
„ 3,	52.5	52.0	51.9	51.3	51.6	51.2	51.3	53.6	55.8	57.8	58.5	60.0	61.1	60.3	59.3	59.3	57.3	56.2	55.9	55.6	53.8	53.7	53.5	52.9	55.3	61.4	51.2
„ 4,	53.4	53.0	52.8	53.5	53.3	53.1	52.7	55.6	58.8	62.5	64.5	65.2	64.9	63.8	63.5	63.0	61.2	60.0	59.4	58.0	56.9	56.9	57.1	55.8	58.3	65.2	52.7
„ 5,	55.9	55.3	54.8	54.5	54.4	55.5	56.2	58.7	62.9	65.4	68.3	68.7	68.8	68.6	68.6	67.8	65.8	64.3	63.5	62.4	61.7	60.4	59.9	60.1	61.8	68.8	54.3
„ 6,	59.6	59.0	58.4	59.0	58.8	58.5	60.0	61.6	63.5	64.5	64.6	66.3	65.8	66.4	65.2	64.8	63.8	62.5	61.7	61.1	60.8	59.6	58.4	58.3	61.8	66.5	58.3
„ 7,	58.7	58.0	57.8	57.2	57.1	57.3	57.3	59.3	61.8	65.5	67.8	69.8	70.4	66.7	66.5	65.5	64.3	62.6	60.7	60.6	60.2	61.6	61.7	63.8	62.2	71.3	57.0
„ 8,	62.8	62.9	62.8	62.8	62.7	62.0	62.0	63.4	63.9	64.8	65.2	65.5	65.6	65.4	65.5	63.7	63.5	62.5	61.9	61.6	61.2	60.9	60.5	61.3	63.1	66.2	60.3
„ 9,	61.2	61.0	60.5	60.6	60.6	59.3	59.7	61.8	63.6	65.7	66.3	67.1	67.8	68.5	68.8	66.0	63.3	62.3	62.5	61.5	61.4	59.5	59.0	59.2	62.8	68.8	59.0
„ 10,	58.8	58.1	58.4	58.0	57.5	57.4	57.8	60.1	63.1	64.9	66.9	67.5	67.4	66.9	66.6	64.8	64.8	64.4	63.6	63.3	62.7	62.3	62.3	63.4	62.5	67.5	57.1
„ 11,	62.6	62.1	61.0	61.0	62.0	59.9	59.7	61.7	63.3	65.5	66.9	65.6	65.7	66.4	64.9	64.6	63.7	62.7	62.3	62.2	62.0	62.3	61.6	61.0	62.9	66.9	59.7
„ 12,	60.9	60.7	60.8	60.4	60.0	60.3	60.6	61.3	62.4	63.2	62.8	64.5	64.5	63.8	63.7	64.5	64.0	63.7	63.9	64.0	63.8	63.7	63.8	63.9	62.7	65.1	59.9
„ 13,	63.8	63.6	62.8	62.1	61.8	62.3	62.5	63.1	64.5	67.8	69.4	68.6	70.5	68.5	66.7	65.2	64.5	64.1	64.2	64.5	64.2	63.9	63.8	63.4	64.8	71.8	61.8
„ 14,	63.5	63.0	62.6	62.0	62.4	62.6	62.6	64.0	64.6	64.7	64.1	64.7	64.5	64.9	65.5	64.6	63.3	62.7	62.8	62.6	61.9	61.4	60.6	60.7	63.2	65.5	60.3
„ 15,	61.1	61.0	60.5	60.8	60,3	60.6	60.5	61.3	61.9	62.6	63.4	63.6	63.7	63.8	63.7	63.7	63.5	63.5	63.6	63.1	62.7	62.3	61.4	61.4	62.2	63.8	60.3
„ 16,	61.5	62.0	62.3	61.6	61.1	62.3	63.3	64.3	66.1	68.8	71.2	72.8	72.7	71.9	71.8	69.1	67.1	65.8	64.9	64.3	64.1	63.5	63.1	64.9	65.9	72.9	61.0
„ 17,	63.7	64.3	64.8	64.9	63.9	63.6	62.7	65.9	66.7	67.8	67.8	66.5	67.5	68.6	67.1	67.4	66.2	65.1	64.8	64.9	65.4	65.3	65.3	65.1	65.6	68.8	62.6
„ 18,	65.3	64.3	64.4	64.2	64.2	63.9	63.6	63.4	64.4	65.6	67.2	66.5	66.0	66.1	65.6	65.4	64.9	64.3	63.9	64.4	64.3	63.7	63.9	64.1	64.7	67.2	63.3
„ 19,	63.4	64.5	63.6	62.9	63.1	62.7	61.9	64.5	68.4	69.0	69.1	70.5	67.6	67.8	67.6	67.2	66.7	66.3	65.8	65.7	65.6	65.4	63.9	63.5	65.7	70.9	61.7
„ 20,	64.2	62.7	63.2	62.8	60.6	60.8	61.1	61.6	62.4	63.8	64.7	65.4	65.7	65.4	65.1	64.2	63.2	62.4	62.2	62.6	62.7	62.0	61.6	61.8	63.0	65.7	60.6
„ 21,	62.3	62.3	63.6	63.4	62.4	61.7	61.5	61.9	62.8	63.7	63.9	64.3	63.6	63.2	63.0	62.2	61.8	61.4	61.2	61.2	61.6	61.7	61.8	61.9	62.4	64.3	61.1
„ 22,	61.2	62.3	61.7	61.1	61.1	60.6	60.5	61.6	62.5	63.0	63.8	64.4	63.5	63.9	63.6	63.0	62.3	60.8	60.6	61.0	61.1	61.3	60.9	61.4	62.0	64.4	60.4
„ 23,	61.8	61.7	61.6	61.4	61.7	61.4	61.6	61.9	62.4	63.1	64.5	64.6	64.0	63.8	62.5	62.9	62.2	61.4	60.8	60.9	61.0	61.8	61.6	61.4	62.2	64.8	60.4
„ 24,	61.7	61.7	61.7	62.6	61.7	62.2	61.5	61.5	63.2	63.7	63.0	62.6	62.0	62.6	62.8	62.6	62.5	62.5	62.6	62.9	62.7	62.8	62.3	62.1	62.4	63.7	61.3
„ 25,	61.9	61.3	60.8	60.4	59.9	59.9	59.9	60.7	62.2	63.4	64.4	63.7	64.8	64.6	64.7	63.1	62.8	62.6	62.3	61.8	61.6	61.6	61.3	61.2	62.1	64.9	59.7
„ 26,	60.0	58.9	58.2	57.9	58.4	57.6	57.6	57.5	58.4	59.5	59.4	61.3	61.7	61.1	61.6	60.7	60.2	59.8	59.5	59.6	60.1	60.4	60.6	60.1	59.6	61.7	56.3
„ 27,	60.0	59.8	59.5	59.5	58.8	58.8	58.6	58.6	59.0	59.1	59.8	61.4	62.5	62.7	61.5	61.9	60.9	60.6	60.6	60.8	60.6	59.4	59.8	60.1	60.2	63.3	58.6
„ 28,	59.9	59.8	59.6	59.5	59.5	59.6	59.6	58.7	59.9	61.5	61.6	61.7	62.7	63.3	64.5	64.2	63.8	63.6	63.4	63.6	63.3	62.7	60.5	60.0	61.5	64.5	58.4
„ 29,	59.9	60.2	59.6	60.4	61.1	61.2	61.4	61.9	62.5	63.6	63.5	63.2	63.3	63.4	63.9	62.5	61.0	60.0	61.2	61.8	62.0	61.9	61.7	61.0	61.8	63.9	59.5
„ 30,	61.0	60.7	60.1	60.2	60.7	60.1	60.4	61.5	62.1	62.5	63.9	64.4	62.7	61.9	61.6	58.9	57.2	57.4	56.4	56.8	56.6	55.8	55.2	54.8	59.7	64.4	54.4
„ 31,	53.3	53.7	52.3	51.3	48.9	51.7	49.3	49.7	49.6	49.6	50.1	50.6	50.6	49.2	47.6	45.4	45.7	45.2	45.5	46.6	46.8	45.7	47.4	45.3	48.8	55.4	45.2
Hourly Means,	59.7	59.5	59.2	59.0	58.7	58.7	58.8	60.0	61.5	63.0	63.9	64.3	64.4	64.2	63.8	63.0	62.1	61.2	60.9	60.8	60.7	60.3	60.0	59.9	61.2	65.4	57.6

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF JANUARY, 1888.

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,	36.6	36.8	36.9	35.5	35.6	34.5	34.6	36.6	38.0	40.0	41.0	42.5	43.7	43.5	42.4	42.5	43.1	43.2	42.9	39.1	38.4	38.6	38.3	38.3	39.3	116.1	41.9
„ 2,	39.0	37.6	37.3	37.7	38.2	37.3	37.4	39.1	40.1	42.1	45.6	44.0	42.8	43.9	45.1	47.0	46.3	44.3	42.3	41.8	42.2	41.8	40.5	38.9	41.3	124.6	45.6
„ 3,	39.1	38.5	38.3	38.6	37.7	37.1	37.6	39.0	40.9	41.6	42.7	44.4	45.4	45.7	45.1	44.7	45.0	45.8	46.1	46.6	46.8	47.3	*47.3	47.3	42.9	120.7	42.8
„ 4,	47.8	47.8	48.4	47.9	48.4	48.7	48.0	48.7	46.5	47.1	46.9	48.9	47.1	46.4	47.1	48.2	48.7	49.1	49.6	50.2	49.1	*49.6	50.1	49.3	48.3	124.2	41.5
„ 5,	49.0	49.8	49.2	48.3	49.2	47.7	47.0	47.7	47.6	49.9	50.3	49.6	49.8	46.8	47.6	46.4	47.8	49.0	49.9	51.4	51.7	53.7	54.5	54.0	49.5	128.7	45.9
„ 6,	53.5	53.6	52.7	51.4	50.4	49.3	49.1	49.9	50.0	50.4	50.5	51.7	51.8	52.6	52.1	52.6	51.7	52.1	52.3	51.4	51.1	52.1	52.3	50.9	51.5	124.7	49.8
„ 7,	50.3	51.6	50.8	50.0	51.5	50.5	50.1	50.1	51.8	51.5	50.9	54.2	54.9	56.6	55.9	56.7	56.8	57.0	53.8	54.1	54.8	52.5	51.2	54.8	53.0	125.8	51.4
„ 8,	53.9	52.8	52.2	51.3	51.2	52.2	52.6	52.9	52.7	52.4	52.9	54.1	56.2	56.0	56.1	58.6	57.6	57.2	57.6	58.0	58.2	58.2	58.1	58.3	55.1	122.7	51.0
„ 9,	58.3	57.9	57.5	57.2	56.9	56.7	56.7	57.0	57.6	58.8	58.1	58.6	59.2	60.0	61.1	60.5	60.1	59.8	59.8	59.1	58.2	57.8	56.9	56.5	58.3	125.5	54.5
„ 10,	56.6	56.0	56.6	56.4	55.9	55.7	56.0	57.0	58.6	59.0	58.9	60.8	61.0	60.5	59.9	59.8	58.7	58.1	57.7	59.8	60.0	59.7	59.4	60.0	58.4	123.7	54.3
„ 11,	59.3	58.8	58.0	58.0	58.2	57.2	57.4	57.9	58.7	58.9	60.4	58.6	58.9	58.6	58.7	58.6	59.1	58.7	58.9	58.6	58.7	59.0	58.6	58.6	58.6	123.1	56.0
„ 12,	57.6	57.0	57.0	56.8	56.8	56.8	57.3	58.0	58.7	58.5	59.0	58.6	58.7	58.4	58.2	59.0	59.0	59.7	59.9	60.0	60.7	61.0	60.9	60.9	58.7	109.8	57.0
„ 13,	60.5	59.9	59.4	59.1	59.0	59.6	59.7	59.8	60.2	61.6	63.1	62.3	62.7	61.9	61.7	60.9	61.0	61.0	61.1	61.3	61.8	61.5	61.4	61.1	60.9	131.5	61.0
„ 14,	61.3	60.6	60.1	59.4	58.9	59.0	59.2	58.8	59.3	59.7	58.6	59.3	58.9	58.9	59.1	59.5	59.2	59.2	59.3	59.0	58.8	58.3	57.7	57.4	59.1	121.4	61.6
„ 15,	57.3	56.6	56.6	56.5	56.2	56.2	56.4	56.6	56.9	57.6	58.4	58.7	58.8	59.1	58.7	58.9	59.1	59.6	60.0	60.2	60.4	60.5	60.6	60.5	58.3	127.6	58.0
„ 16,	60.3	60.6	60.5	60.2	60.0	60.8	60.8	61.3	61.9	63.4	64.5	64.0	63.8	62.9	63.1	63.9	63.2	62.9	62.9	62.8	62.8	61.9	61.6	62.9	62.2	131.4	57.9
„ 17,	62.1	62.7	63.4	63.3	62.8	62.3	61.9	62.5	62.9	63.9	63.7	63.4	64.5	64.7	64.0	64.2	63.6	63.3	63.1	63.5	63.8	63.9	64.1	64.0	63.4	135.8	57.8
„ 18,	64.1	63.1	63.1	62.7	62.4	62.3	61.9	61.8	62.1	62.7	63.5	62.5	62.8	62.1	61.9	62.0	61.8	61.8	62.0	62.5	62.8	62.5	62.5	62.8	62.5	127.4	62.7
„ 19,	62.1	63.0	62.0	61.5	61.4	61.1	60.6	62.0	63.9	63.9	63.6	64.1	63.0	63.4	63.5	64.1	63.8	63.8	63.6	63.5	62.8	62.1	61.6	61.3	62.7	136.3	61.9
„ 20,	61.4	60.3	60.0	59.8	59.6	59.5	59.0	58.3	57.8	59.0	59.4	60.6	60.0	59.5	59.8	59.6	58.8	58.2	59.0	59.1	59.2	58.9	58.8	58.8	59.4	125.9	58.7
„ 21,	58.5	58.6	57.9	58.4	57.5	56.9	56.8	57.2	58.0	58.1	58.1	58.0	58.0	57.9	57.8	57.4	57.9	57.7	57.5	57.1	57.7	58.0	58.3	58.3	57.8	120.6	58.4
„ 22,	57.5	57.6	56.7	57.1	57.4	56.5	56.4	57.0	57.6	58.1	58.2	58.6	58.2	58.9	58.7	58.9	58.9	57.6	57.8	57.6	57.8	57.9	57.9	58.5	57.8	123.5	57.7
„ 23,	58.7	58.6	58.6	58.0	58.0	57.4	57.6	58.0	57.7	58.1	59.1	59.0	58.9	58.7	58.2	58.8	58.2	57.9	57.8	57.9	57.7	57.8	57.7	57.2	58.1	130.7	58.4
„ 24,	57.4	57.4	57.1	57.3	57.0	56.7	56.7	56.9	57.5	57.3	57.4	56.9	56.9	57.0	56.8	57.1	56.9	57.5	57.9	58.8	59.0	58.9	58.8	58.0	57.5	126.8	60.7
„ 25,	57.9	57.9	56.9	57.0	56.6	56.8	56.8	57.3	57.1	57.7	58.3	58.4	58.9	58.7	59.0	58.1	58.3	58.3	58.2	58.3	58.1	58.2	58.4	58.3	57.9	125.5	61.0
„ 26,	57.5	57.2	56.3	55.9	55.7	54.5	54.9	54.3	54.4	54.9	54.4	55.2	55.0	54.8	55.9	55.7	55.8	55.3	55.7	55.7	56.1	56.3	56.5	56.3	55.6	98.6	56.7
„ 27,	55.9	55.3	54.9	55.1	54.4	54.2	53.8	54.0	54.4	54.8	55.1	55.7	56.8	56.9	55.7	56.7	55.6	55.9	56.2	56.5	56.9	57.7	57.0	56.9	55.7	115.5	59.1
„ 28,	56.8	56.9	56.7	56.7	56.5	56.5	56.9	56.8	57.4	57.9	58.0	58.1	58.6	58.9	59.5	59.3	58.7	58.2	58.0	58.5	58.6	57.7	57.6	57.4	57.8	98.6	59.1
„ 29,	56.9	56.9	56.7	57.2	57.5	57.4	57.5	58.0	58.3	58.9	58.7	58.3	59.2	59.1	59.2	58.9	58.4	57.6	58.6	59.1	59.3	59.6	59.6	59.2	58.3	113.6	61.1
„ 30,	59.0	58.8	58.9	58.4	58.9	58.3	58.9	59.2	59.9	60.4	61.3	61.6	60.8	60.8	60.5	57.2	55.3	55.7	53.9	53.7	53.2	52.1	51.2	50.5	57.4	115.9	53.1
„ 31,	48.3	46.8	45.9	45.3	44.7	44.2	44.7	45.2	45.3	45.4	45.8	46.2	45.9	45.0	44.3	43.4	44.2	44.2	44.8	45.1	45.7	44.6	44.4	44.4	45.2	78.3	45.1
Hourly Means,	55.3	55.1	54.7	54.5	54.3	54.0	54.0	54.5	55.0	55.6	56.0	56.4	56.5	56.4	56.3	56.4	56.2	56.1	56.1	56.1	56.2	56.1	55.9	55.9	55.6	121.1	54.9

* Interpolated.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF JANUARY, 1888.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1888.		
1 a	73	0.389	Jan. 1,.....	24	0.092
2 „	73	.386	„ 2,.....	22	.095
3 „	73	.378	„ 3,.....	25	.114
4 „	73	.375	„ 4,.....	42	.208
5 „	73	.374	„ 5,.....	34	.193
6 „	72	.366	„ 6,.....	44	.246
7 „	71	.364	„ 7,.....	50	.282
8 „	68	.362	„ 8,.....	57	.330
9 „	63	.357	„ 9,.....	75	.429
10 „	60	.355	„ 10,.....	77	.436
11 „	58	.354	„ 11,.....	76	.437
Noon.	58	.361	„ 12,.....	78	.443
1 p	58	.362	„ 13,.....	78	.484
2 „	59	362	„ 14,.....	78	.448
3 „	60	.365	„ 15,.....	77	.437
4 „	64	.378	„ 16,.....	80	.512
5 „	67	.385	„ 17,.....	88	.556
6 „	71	.393	„ 18,.....	88	.538
7 „	72	.397	„ 19,.....	84	.531
8 „	73	.398	„ 20,.....	80	.461
9 „	74	.402	„ 21,.....	75	.419
10 „	75	.405	„ 22,.....	76	.424
11 „	76	.403	„ 23,.....	77	.431
Midt.	76	.404	„ 24,.....	72	.410
			„ 25,.....	76	.426
			„ 26,.....	76	.391
			„ 27,.....	74	.385
			„ 28,.....	79	.430
			„ 29,.....	80	.442
			„ 30,.....	86	.443
			„ 31,.....	74	.255
Mean, ...	68	0.378	Mean,.....	68	0.378

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.
1888.														
Jan. 1,	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.8
„ 2,	...	0.4	0.9	1.0	1.0	0.9	0.6	1.0	1.0	1.0	1.0	0.3	...	9.1
„ 3,	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	9.5
„ 4,	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.6
„ 5,	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.7
„ 6,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.0
„ 7,	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.4
„ 8,	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.5
„ 9,	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	9.3
„ 10,	...	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.3
„ 11,	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.5
„ 12,	...	...	...	...	...	...	0.2	0.1	...	0.2	...	...	...	0.5
„ 13,	...	...	...	0.1	0.5	0.2	...	0.9	1.0	1.0	1.0	0.2	...	4.9
„ 14,	...	...	...	0.1	0.8	0.6	0.7	0.9	1.0	1.0	1.0	...	...	6.1
„ 15,	...	...	...	...	...	0.1	0.1	1.0	0.8	0.7	1.0	0.4	...	4.1
„ 16,	...	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.1
„ 17,	...	0.1	1.0	0.7	0.4	0.1	...	0.2	0.8	1.0	1.0	...	...	5.3
„ 18,	...	...	...	...	0.6	1.0	1.0	1.0	1.0	0.7	1.0	0.5	...	6.8
„ 19,	...	0.3	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.4	...	9.6
„ 20,	...	...	...	0.8	1.0	1.0	1.0	0.9	1.0	1.0	0.1	...	...	6.8
„ 21,	...	...	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	8.6
„ 22,	...	0.4	1.0	1.0	0.9	0.5	1.0	1.0	1.0	1.0	1.0	0.5	...	9.3
„ 23,	...	...	...	...	...	...	0.1	0.6	0.1	0.8	0.5	0.3	...	2.4
„ 24,	...	...	0.4	1.0	1.0	...	...	...	...	...	...	...	...	2.4
„ 25,	...	...	0.3	1.0	0.9	1.0	1.0	0.8	1.0	1.0	1.0	0.3	...	8.3
„ 26,	...	...	...	...	...	...	...	...	...	...	0.5	0.4	...	0.9
„ 27,	...	...	...	...	...	0.1	...	0.1	0.7	0.8	0.1	...	...	1.8
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	0.9	1.0	0.5	...	2.4
„ 30,	...	...	...	0.4	...	0.2	0.2	...	...	...	...	...	...	0.8
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	...	3.7	15.4	19.0	20.1	18.7	18.8	21.5	22.4	24.1	23.2	7.9	...	194.8
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF JANUARY, 1888.

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,	...	...	...	...	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	...	0·005
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	0·005	...	...	...	...	...	...	0·010
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·050	0·015	...	0·005	0·005	0·075	0·005	...	...	0.155
Sums,	...	...	...	...	...	0·015	...	...	...	...	...	...	...	...	...	0·055	0·015	0·005	0·005	0·005	0·075	0·010	...	...	0·185

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF JANUARY, 1888.

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,	32	8	32	7	32	6	32	4	32	4	32	4	32	5	2	6	4	8	4	8	4	11	8	13	8	14	12	14	10	7	11	4	...	1	17	3	16	3	2	7	1	8	2	9	2	6	32	5	165	6.9
,, 2,	32	4	1	9	2	6	2	4	...	1	1	10	1	10	32	9	1	8	32	5	22	6	25	7	24	6	23	9	23	14	22	14	20	8	28	3	4	3	1	8	1	2	2	7	1	11	1	16	180	7.5
,, 3,	32	13	32	15	32	19	32	13	1	14	1	15	1	18	1	15	1	8	4	6	8	8	10	7	10	9	10	13	10	16	10	17	10	16	11	8	11	7	8	4	10	2	...	1	13	2	13	2	248	10.3
,, 4,	...	0	...	0	...	0	...	0	...	0	13	4	...	1	...	1	9	2	10	3	10	10	10	14	11	16	10	15	9	16	9	11	9	8	8	5	7	7	9	6	10	5	9	2	...	0	...	1	127	5.3
,, 5,	...	0	...	0	...	0	13	2	...	1	...	0	...	1	...	1	...	0	...	1	8	9	8	14	8	15	7	20	7	22	7	21	7	16	7	13	8	13	7	13	7	14	7	17	7	18	6	17	228	9.5
,, 6,	7	17	7	16	7	17	7	15	7	16	8	16	10	17	11	14	10	17	9	20	9	19	10	20	9	19	10	17	10	16	10	15	9	14	10	14	10	11	10	7	10	5	10	3	...	0	10	2	327	13.6
,, 7,	...	1	...	1	10	2	...	1	...	1	...	1	...	1	...	0	...	0	23	2	24	4	24	7	25	6	7	9	6	8	31	4	31	5	...	1	...	1	6	2	9	3	9	2	10	8	10	12	82	3.4
,, 8,	8	13	7	14	8	18	8	17	8	15	8	21	7	21	7	22	7	24	7	28	7	29	7	26	7	32	7	29	7	24	8	19	7	18	7	14	8	10	8	9	9	10	9	8	10	7	10	8	436	18.2
,, 9,	10	11	9	12	10	8	11	8	13	6	13	5	13	2	12	2	10	10	10	7	10	12	10	12	13	5	27	5	27	7	27	5	30	6	28	4	29	6	23	3	...	1	...	0	...	0	16	2	139	5.8
,, 10,	...	1	...	1	10	2	...	1	10	2	10	2	...	0	9	4	9	17	9	17	8	15	8	15	9	18	10	17	9	23	8	22	7	18	7	20	7	21	7	16	7	15	7	16	6	18	6	18	299	12.5
,, 11,	7	17	7	17	8	21	9	20	11	20	8	17	8	10	8	13	11	15	11	12	10	12	10	15	10	14	10	17	8	23	8	23	8	21	8	18	9	18	10	12	10	14	10	14	8	16	8	16	395	16.5
,, 12,	8	18	8	15	8	20	8	19	8	21	7	21	8	14	9	19	10	12	8	16	9	16	8	16	7	24	8	23	8	23	8	22	7	24	7	22	6	19	7	16	7	17	8	20	7	17	7	17	451	18.8
,, 13,	8	18	8	20	8	26	8	22	8	17	9	19	10	12	8	9	9	10	9	8	8	7	8	8	23	6	9	11	8	14	8	21	9	20	8	15	8	15	6	10	10	8	6	5	7	9	7	13	323	13.5
,, 14,	7	14	8	19	8	26	8	27	7	28	7	29	7	30	6	32	7	37	6	34	7	35	7	40	7	34	7	38	7	31	7	24	7	26	7	24	6	27	6	25	5	28	6	25	6	25	7	25	683	28.5
,, 15,	8	24	7	25	7	28	7	24	8	24	8	29	7	30	7	28	7	28	7	29	7	28	7	30	7	29	7	27	7	30	7	27	7	25	6	18	6	12	6	11	6	10	7	6	8	10	8	15	547	22.8
,, 16,	7	13	9	9	9	15	9	11	8	3	9	7	4	7	9	5	7	7	7	3	18	3	23	4	24	7	26	8	29	5	30	9	31	7	4	4	5	5	7	6	8	8	8	5	9	5	9	9	165	6.9
,, 17,	9	5	9	2	9	4	9	5	11	4	3	2	11	4	9	7	9	14	10	12	9	19	8	20	7	10	10	9	9	14	10	15	9	14	9	14	8	16	7	13	7	11	8	15	8	18	7	14	261	10.9
,, 18,	8	17	7	20	7	14	8	15	7	14	7	18	7	19	7	18	7	22	8	19	8	21	8	23	9	28	9	29	8	25	8	27	8	25	8	19	8	18	7	12	8	14	8	9	8	13	9	9	448	18.7
,, 19,	9	9	9	10	8	11	8	9	8	9	9	7	7	3	7	3	...	1	8	12	9	23	10	22	9	22	9	19	9	20	8	21	9	18	8	16	7	12	7	12	8	11	6	16	6	14	6	14	314	13.1
,, 20,	5	14	7	13	4	10	5	14	7	15	5	15	4	13	5	14	8	14	7	24	7	24	7	21	7	18	8	16	10	16	9	20	9	20	8	16	7	13	7	13	7	11	7	13	7	16	7	15	378	15.8
,, 21,	7	15	7	17	3	17	5	13	6	16	7	17	7	17	7	17	8	21	8	23	7	24	8	25	9	25	9	23	10	25	9	22	9	23	8	22	7	16	7	15	7	13	7	14	6	15	7	20	455	19.0
,, 22,	7	21	6	23	7	15	7	15	7	17	7	15	8	16	7	15	8	20	7	19	7	16	7	16	7	16	8	19	9	19	9	20	10	23	8	20	8	16	7	13	7	11	7	13	7	15	7	15	408	17.0
,, 23,	6	16	7	19	6	19	6	22	6	22	6	16	6	15	6	12	6	12	8	13	9	13	9	16	9	19	8	19	7	18	8	18	9	20	7	16	7	13	7	15	7	13	6	13	7	13	7	14	386	16.1
,, 24,	6	15	6	13	6	13	5	11	6	8	5	11	6	9	7	14	8	15	8	19	7	17	7	18	7	15	7	18	7	15	9	22	9	19	6	14	5	12	6	15	6	18	7	22	7	24	6	25	382	15.9
,, 25,	6	28	7	26	7	28	7	23	7	24	7	21	7	18	7	19	7	21	9	21	10	20	9	24	10	16	10	19	9	23	9	21	8	18	8	17	7	13	7	11	7	16	7	18	7	15	6	17	477	19.9
,, 26,	7	18	7	17	7	20	7	20	4	20	4	16	5	18	6	20	7	15	6	18	6	17	6	18	8	19	8	19	9	15	10	17	10	18	8	11	8	13	8	13	8	9	8	15	8	14	7	19	399	16.6
,, 27,	8	22	7	23	7	25	6	22	7	24	7	27	7	28	7	29	7	22	7	20	7	22	7	20	8	20	7	20	8	22	9	21	8	17	8	17	8	15	8	14	8	14	7	19	7	15	7	18	496	20.7
,, 28,	7	18	7	19	7	18	7	19	7	19	7	19	6	12	7	13	7	12	5	12	8	11	8	9	10	3	8	4	10	5	9	9	9	9	8	6	8	2	9	2	7	7	5	8	7	14	8	12	262	10.9
,, 29,	7	9	7	9	...	1	8	3	9	16	8	14	8	4	8	6	9	11	10	9	10	14	9	16	10	15	9	18	8	21	8	28	8	26	7	16	6	12	7	14	7	13	7	17	7	15	7	16	323	13.5
,, 30,	7	20	7	20	7	19	8	22	9	27	8	25	8	26	7	14	8	18	8	16	7	16	8	18	7	16	8	11	28	12	28	19	28	23	28	9	32	12	31	6	32	7	2	5	1	12	32	14	387	16.1
,, 31,	32	12	1	15	32	12	32	13	1	12	1	14	32	6	32	7	32	11	32	8	32	14	1	7	32	10	32	11	1	12	1	6	32	7	32	4	31	3	2	4	32	8	32	7	1	12	32	11	226	9.4
Sums,	...	411	...	426	...	440	...	414	...	420	...	437	...	387	...	388	...	432	...	444	...	495	...	521	...	506	...	526	...	541	...	544	...	513	...	403	...	364	...	327	...	326	...	344	...	377	...	411	10397	433.6
Hourly Means,	...	13.3	...	13.7	...	14.2	...	13.4	...	13.5	...	14.1	...	12.5	...	12.5	...	13.9	...	14.3	...	16.0	...	16.8	...	16.3	...	17.0	...	17.5	...	17.5	...	16.5	...	13.0	...	11.7	...	10.5	...	10.5	...	11.1	...	12.2	...	13.3	335.4	14.0

Owing to stoppage of clock the Direction and Velocity on the 1st from 1 a. to 10 a. inclusive are entered from estimations.

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR JANUARY, 1888.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	2.2	11.5	0.1	0.0	+2.0	+11.5	E 10° N
2 „	1.9	12.0	0.0	0.0	1.9	12.0	E 9° N
3 „	2.3	12.4	0.1	0.0	2.2	12.4	E 10° N
4 „	2.4	11.5	0.2	0.0	2.2	11.5	E 11° N
5 „	1.9	11.8	0.7	0.0	1.2	11·8	E 6° N
6 „	2.5	12.1	0.2	0.0	2.3	12.1	E 11° N
7 „	2.5	10.4	0.5	0.0	2.1	10.4	E 11° N
8 „	2.2	10.7	0.4	0.0	1.8	10.7	E 10° N
9 „	1.2	12.5	0.8	0.0	0.4	12.5	E 2° N
10 „	1.6	13.0	0.6	0.1	+1.0	13.0	E 4° N
11 „	0.9	14.6	0.9	0.3	0.0	14.3	E
Noon.	0.4	15.5	1.0	0.6	−0.6	14.9	E 2° S
1 p.	0.3	14.7	1.1	0.8	−0.8	13.9	E 3° S
2 „	0.5	15.3	1.5	0.6	−1.0	14.6	E 4° S
3 „	1.0	15.4	1.0	1.0	+0.1	14.4	E
4 „	1.1	15.4	1.0	1.0	0.1	14.3	E
5 „	1.3	14.4	0.8	0.8	0.5	13.6	E 2° N
6 „	0.9	11.9	0.4	0.4	0.5	11.5	E 2° N
7 „	1.9	10.3	0.4	0.1	1.5	10.2	E 8° N
8 „	1.5	9.4	0.2	0.1	1.2	9.3	E 7° N
9 „	1.7	9.1	0.4	0.0	1.4	9.1	E 9° N
10 „	1.6	10.0	0.2	0.0	1.5	10.0	E 9° N
11 „	2.1	10.5	0.2	0.0	1·9	10.5	E 10° N
Midt.	2.5	11.1	0.4	0.0	+2.2	+11.1	E 11° N
Mean,.....	1.6	12.3	0.5	0.2	+1.1	+12.1	E 6° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AND RAIN-FALL AT VICTORIA PEAK, AND RAIN-FALL AT THE OBSERVATORY.

Date.	10 a.		4 p.		10 p.		Rain.		
	Direction	Force.	Direction	Force.	Direction	Force.	Peak.	Observatory.	Duration.
1888.							ins.	ins.	hrs.
Jan. 1,.....	E	4	E	4	ENE	4	...	...	...
„ 2,.....	NE	3	N	4	N	4	...	...	...
„ 3,.....	NE	4	E	3	NE	4	...	...	...
„ 4,.....	ENE	4	ENE	3	E	4	...	...	...
„ 5,.....	ENE	4	E	5	E	5	...	...	...
„ 6,.....	E	6	E	4	E	4	...	...	...
„ 7,.....	E	4	E	2	E	3	...	...	...
„ 8,.....	E	6	E	5	E	6	...	...	...
„ 9,.....	E	4	E	3	E	3	...	0.010	...
„ 10,.....	ENE	4	E	4	E	5	...	...	...
„ 11,.....	E	4	E	3	E	4	...	...	...
„ 12,.....	E	5	E	4	E	5	...	...	...
„ 13,.....	E	5	ENE	3	ENE	3	...	...	...
„ 14,.....	E	6	E	6	E	6	...	...	2
„ 15,.....	E	6	E	5	E	6	...	0.005	4
„ 16,.....	SE	2	ESE	2	ESE	3	...	...	...
„ 17,.....	SE	5	SE	4	SE	4	...	0.005	...
„ 18,.....	E	4	E	4	E	3	...	...	...
„ 19,.....	E	3	E	2	E	4	...	...	...
„ 20,.....	E	4	E	3	E	3	...	...	...
„ 21,.....	E	4	E	3	E	2	...	...	...
„ 22,.....	E	4	E	4	E	4	...	...	...
„ 23,.....	E	4	E	3	E	4	...	...	...
„ 24,.....	E	5	E	4	E	4	...	...	...
„ 25,.....	E	4	E	4	E	4	...	...	2
„ 26,.....	ENE	4	E	4	E	4	...	...	...
„ 27,.....	E	4	E	4	E	5	...	...	1
„ 28,.....	E	4	E	3	E	4	...	...	2
„ 29,.....	E	4	E	4	E	4	...	...	1
„ 30,.....	SE	4	NW	5	NW	5	...	0.010	5
„ 31,.....	NE	4	NNW	4	NW	4	0.87	0.675	16
Mean,.....	E 3° N	4.3	E 6° N	3.7	E 6° N	4.1	0.87	0.705	33

The Rain-fall here exhibited is measured at 10 *a.* and entered to previous day.

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1888.	ins.	ins.	ins.	°	°	°	°	°	°	°
Jan. 1,.....	28.395	28.368	28.395	49.8	53.3	47.1	118.8	53.3	44.7	**41.4**
„ 2,.....	.436	.341	.365	49.1	53.8	48.2	121.4	59.5	46.6	**43.3**
„ 3,.....	.406	.333	.336	51.0	54.9	51.2	116.0	58.6	46.7	**43.1**
„ 4,.....	.402	.353	.422	54.2	58.0	51.1	118.9	59.3	49.7	**41.7**
„ 5,.....	.435	.354	.376	56.8	60.8	53.4	120.3	61.2	51.1	**48.0**
„ 6,.....	.389	.317	.350	57.5	60.7	55.8	121.1	61.8	51.6	**48.7**
„ 7,.....	.373	.299	.315	59.4	64.5	58.1	122.1	65.3	55.2	**52.5**
„ 8,.....	.355	.257	.287	58.4	60.2	56.8	115.6	60.2	51.7	**51.3**
„ 9,.....	.273	.198	.231	59.1	64.0	60.1	119.8	64.2	55.3	**51.0**
„ 10,.....	.261	.206	.260	61.7	64.5	56.8	123.7	65.5	56.8	**51.4**
„ 11,.....	.285	.208	.226	61.7	64.8	61.0	118.9	65.8	56.8	**55.3**
„ 12,.....	.225	.163	.197	59.9	59.1	57.2	116.3	64.2	55.3	**52.7**
„ 13,.....	.217	.150	.195	59.8	64.8	61.0	118.9	66.5	56.3	**52.8**
„ 14,.....	.227	.156	.187	56.8	58.7	57.0	111.2	61.0	53.3	**51.0**
„ 15,.....	.217	.102	.137	55.2	57.1	56.1	104.0	61.5	52.2	**51.3**
„ 16,.....	200	.123	.147	61.4	65.7	63.0	122.2	66.2	56.1	**52.6**
„ 17,.....	.188	.116	.120	61.4	62.8	60.7	124.7	63.9	60.7	**57.8**
„ 18,.....	.219	.152	.194	59.0	62.8	59.1	119.9	64.2	57.9	**57.6**
„ 19,.....	.244	.220	.220	65.1	66.0	62.0	129.0	67.2	58.6	**55.4**
„ 20,.....	.316	.257	.298	59.4	61.8	58.7	116.6	66.2	57.2	**56.3**
„ 21,.....	.349	.282	.318	58.8	61.5	57.7	116.0	63.6	56.3	**50.4**
„ 22,.....	.338	.293	.312	58.0	60.0	56.7	111.7	60.9	55.3	**51.0**
„ 23,.....	.347	.261	.312	56.4	59.1	55.5	112.2	61.8	54.9	**51.4**
„ 24,.....	.289	.229	.262	57.7	56.2	55.2	113.4	60.5	55.2	**51.2**
„ 25,.....	.294	.217	.289	56.0	62.1	56.7	118.8	62.2	58.9	**52.8**
„ 26,.....	.335	.267	.259	54.2	56.0	54.0	96.2	59.3	52.6	**51.4**
„ 27,.....	.327	.280	.305	52.7	56.0	54.7	118.9	57.5	52.2	**48.8**
„ 28,.....	.325	.274	.291	54.7	56.1	55.2	102.0	58.2	54.1	**52.4**
„ 29,.....	.302	.200	.215	56.4	58.2	56.0	115.6	59.3	55.2	**52.8**
„ 30,.....	.224	.184	.208	58.0	56.8	54.1	107.9	60.2	54.1	**50.4**
„ 31,.....	.300	.252	.241	51.4	46.1	45.0	79.3	54.3	44.2	**44.8**
Mean,.....	28.306	28.239	28.267	57.1	59.6	56.0	115.2	61.7	53.6	**50.7**

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

Date. 1888.	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,.....	17	22	17	47	35	36	0.069	0.100	0.064	0.168	0.140	**0.116**
„ 2,.....	16	36	20	46	41	61	.077	.175	.087	.163	.168	**.203**
„ 3,.....	11	22	59	39	46	41	.052	.105	.243	.146	.200	**.152**
„ 4,.....	21	24	56	40	45	49	.122	.143	.260	.170	.217	**.185**
„ 5,.....	25	5	62	40	31	50	.156	.035	.326	.183	.165	**.209**
„ 6,.....	30	39	57	47	46	36	.181	.237	.291	.226	.243	**.158**
„ 7,.....	31	55	50	52	49	48	.197	.345	.276	.262	.303	**.233**
„ 8,.....	37	72	84	53	68	66	.231	.427	.451	.263	.356	**.309**
„ 9,.....	64	71	90	76	72	69	.407	.455	.458	.384	.433	**.357**
„ 10,.....	68	73	85	67	73	71	.422	.449	.479	.368	.448	**.330**
„ 11,.....	66	68	81	70	64	63	.412	.414	.457	.385	.394	**.340**
„ 12,.....	74	70	85	81	80	84	.430	.428	.502	.419	.401	**.396**
„ 13,.....	69	77	87	86	79	83	.467	.479	.516	.447	.484	**.446**
„ 14,.....	73	72	82	89	85	73	.448	.443	.448	.410	.422	**.341**
„ 15,.....	72	74	90	94	95	85	.410	.435	.505	.409	.442	**.382**
„ 16,.....	72	74	91	91	79	81	.514	.527	.534	.499	.504	**.467**
„ 17,.....	80	83	93	95	93	93	.544	.559	.576	.521	.535	**.499**
„ 18,.....	85	82	93	88	89	96	.532	.512	.551	.442	.509	**.485**
„ 19,.....	75	84	82	81	82	88	.528	.559	.515	.502	.523	**.491**
„ 20, ...	74	75	82	85	81	87	.437	.451	.458	.434	.451	**.431**
„ 21,.....	70	73	79	81	80	76	.411	.410	.434	.404	.440	**.362**
„ 22,.....	73	77	80	81	87	87	.420	.445	.437	.394	.450	**.399**
„ 23,.....	72	77	77	91	85	89	.419	.443	.427	.414	.429	**.389**
„ 24,.....	65	69	78	81	89	92	.387	.396	.448	.387	.400	**.401**
„ 25,.....	69	72	80	92	81	93	.403	.419	.442	.411	.451	**.428**
„ 26,.....	73	71	76	89	84	90	.371	.379	.401	.378	.380	**.378**
„ 27,.....	74	71	90	91	85	89	.374	.392	.456	.362	.381	**.383**
„ 28,.....	79	73	72	93	95	93	.434	.442	.412	.399	.426	**.404**
„ 29,.....	74	80	87	91	86	93	.437	.452	.482	.414	.420	**.416**
„ 30, ...	88	90	77	97	95	96	.499	.448	.342	.468	.440	**.404**
„ 31, ...	70	84	91	82	88	90	.250	.256	.281	.314	.275	**.268**
Mean, ...	60	65	75	75	74	76	0.356	0.379	0.405	0.360	0.382	**0.347**

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
1888.												
Jan. 1, ...	0	...	...	0	...	...	1	c-str.	W	0	...	...
„ 2, ...	0	...	...	0	...	...	4	sm-cum.	NW	1	sm-cum.	NW
„ 3, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 4, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 5, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 6, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 7, ...	0	...	...	0	...	...	1	str.	...	0	...	...
„ 8, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 9, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 10, ...	0	...	...	0	...	...	2	str.	...	1	sm-cum.	...
„ 11, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 12, ...	8	cum.	...	10	cum.	...	10	R-cum.	S	9	sm-cum. / cum.	S / E
„ 13, ...	9	cum.	E	10	cum.	...	10	R-cum.	E	10	cum. / R-cum.	W / E
„ 14, ...	10	cum.	...	10	cum.	E	10	cum. / cum-nim.	W / E	9	cum. / R-cum.	ENE
„ 15, ...	10	cum.	E	10	cum.	E	7	R-cum.	ESE	10	R-cum.	E
„ 16, ...	10	nim.	...	9	nim.	...	9	R-cum.	S	2	cum.	S
„ 17, ...	10	cum.	E	8	cum.	E	1	str.	E	4	R-cum.	E
„ 18, ...	10	cum.	E	10	cum.	E	10	cum-nim.	E	7	c-cum. / R-cum.	E
„ 19, ...	2	cum.	E	0	...	...	1	str.	...	0	...	...
„ 20, ...	10	cum.	ENE	10	cum.	ENE	10	cum-nim.	ENE	1	cum.	E
„ 21, ...	10	R-cum.	...	10	cum.	...	8	R-cum.	SW	1	cum.	NE
„ 22, ...	10	cum.	S	8	cum.	E	1	cum.	E	4	R-cum.	E
„ 23, ...	7	cum.	E	10	cum.	E	10	R-cum.	E	10	cum. / cum.	S / E
„ 24, ...	10	cum.	S	10	cum.	NE	9	R-cum.	NE	3	R-cum.	NE
„ 25, ...	10	R-cum.	SW	10	cum.	ENE	10	R-cum. / cum.	WSW / E	3	sm-cum. / cum.	WSW / E
„ 26, ...	10	nim.	E	10	cum-nim.	E	10	cum-nim.	ENE	10	str. / cum.	E
„ 27, ...	10	cum.	E	10	cum.	E	10	R-cum.	E	10	str-cum.	E
„ 28, ...	10	cum-nim.	ESE	10	cum-nim.	E	10	cum-nim.	E	10	R-cum.	E
„ 29, ...	10	cum-nim.	SSE	10	cum-nim.	SSE	10	R-cum.	S	10	str-cum.	S
„ 30, ...	10	cum.	SE	0	...	...	3	R-cum.	SE	10	R-cum.	S
„ 31, ...	10	cum-nim.	NW	10	cum-nim.	...	10	str.	...	10	str.	...
Mean, ...	6.0	...	...	5.6	...	...	5.4	...	...	4.4	...	...

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	
1888.													
Jan. 1,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.1
„ 2,.....	1	sm-cum.	NW	0	...	...	0	...	...	0	...	...	0.8
„ 3,.....	0	...	...	8	c-str.	SW	0	...	...	0	...	...	1.0
„ 4,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 5,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 6,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 7,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.1
„ 8,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 9,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 10,.....	1	c-cum.	WSW	1	sm-cum.	SW	0	...	...	0	...	...	0.6
„ 11,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 12,.....	9	sm-cum. / cum.	SSW / ENE	10	cum. / cum.	SW / E	10	cum.	E	10	cum-nim.	ESE	9.5
„ 13,.....	7	sm-cum. / cum.	WNW / E	0	...	...	1	cum.	W	10	R-cum.	E	7.1
„ 14,.....	7	cum. / cum.	E	8	cum.	ENE	10	cum.	E	10	cum-nim.	...	9.2
„ 15,.....	6	cum. / cum.	E	8	R-cum.	E	10	R-cum.	ESE	10	nim.	...	8.9
„ 16,.....	1	cum.	...	0	...	...	0	...	...	0	...	...	3.9
„ 17,.....	10	sm-cum. / R-cum.	E	7	cum. / cum.	E	4	cum.	E	9	R-cum.	E	6.6
„ 18,.....	4	c-str. / R-cum.	WSW / E	6	c-str. / R-cum.	WSW / E	0	...	...	2	str.	...	6.1
„ 19,.....	2	sm-cum. / cum.	NNW / E	1	cum.	E	3	cum.	E	10	sm-cum. / R-cum.	E	2.4
„ 20,.....	5	cum.	E	7	R-cum.	NNE	4	cum. / R-cum.	N	2	cum.	NNE	6.1
„ 21,.....	0	...	...	0	...	...	0	...	...	6	R-cum.	SSW	4.4
„ 22,.....	4	R-cum.	E	1	R-cum.	NNE	1	cum.	E	2	cum.	E	3.9
„ 23,.....	10	cum. / R-cum.	E	9	cum.	SSW	2	R-cum.	E	10	R-cum.	E	8.5
„ 24,.....	10	str.	ENE	10	cum.	ENE	10	cum.	ENE	10	cum-nim.	E	9.0
„ 25,.....	8	sm-cum. / cum.	SW / ENE	0	...	...	3	cum.	NE	10	cum.	ENE	6.8
„ 26,.....	10	str. / cum.	E	6	cum.	ENE	2	cum.	E	10	cum.	E	8.5
„ 27,.....	10	sm-cum. / cum.	SSW / NE	10	sm-cum. / cum.	S	10	cum-nim.	ENE	10	cum-nim.	E	10.0
„ 28,.....	10	str-cum.	E	10	R-cum.	E	10	R-cum.	E	10	str.	...	10.0
„ 29,.....	10	str-cum.	SSE	1	cum.	E	10	cum.	S	10	cum.	S	8.9
„ 30,.....	10	str. / cum-nim.	SSE	10	nim.	NW	10	cum-nim.	NNW	10	cum-nim.	NW	7.9
„ 31,.....	10	str-cum.	NNE	10	nim.	NNE	10	nim.	NNE	10	cum-nim.	NE	10.0
Mean,.....	4.7	...	...	4.0	...	...	3.5	...	...	5.2	...	...	4.8

FEBRUARY, 1888.

Visibility—3rd.

Fog—12th and 16th.

Haze—10th, 12th and 16th.

Dew—25th and 26th.

Thunderstorms—20th, $12\frac{1}{2}^{h.}$ a. to $3^{h.}$ a. direction WSW to NW nearest $12^{h.}$ $57^{m.}$ a. (6s.) and $2^{h.}$ $3^{m.}$ a. (3s.); 20th, $11^{h.}$ p. to $11\frac{1}{2}^{h.}$ p. direction SW to NW. nearest $11^{h.}$ $5^{m.}$ p. (45s.).

The total distance traversed 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	1373	132	10.4
NE	772	64	12.1
E	7776	393	19.8
SE	118	12	9.8
S	9	3	3.0
SW	76	16	4.8
W	300	36	8.3
NW	286	31	9.2
Calm	4	9	0.4

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF FEBRUARY, 1888.

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, ...	30.135	30.165	30.149	30.153	30.151	30.159	30.172	30.181	30.190	30.201	30.187	30.161	30.132	30.121	30.117	30.121	30.151	30.148	30.175	30.177	30.163	30.176	30.177	30.196	30.161
„ 2, ...	.182	.174	.180	.173	.166	.161	.178	.185	.192	.210	.213	.190	.181	.159	.127	.158	.162	.164	.203	.215	.231	.270	.257	.261	.191
„ 3, ...	.273	.265	.263	.264	.270	.286	.299	.308	.308	.335	.319	.296	.259	.237	.226	.235	.241	.258	.281	.300	.318	.314	.315	.301	.282
„ 4, ...	.276	.251	.237	.222	.226	.205	.211	.231	.247	.226	.220	.207	.164	.122	.109	.097	.110	.121	.116	.119	.117	.133	.111	.101	.174
„ 5, ...	.093	.088	.079	.078	.087	.100	.085	.107	.138	.131	.114	.111	.085	.055	.037	.035	.049	.061	.079	.103	.120	.128	.128	.115	.092
„ 6, ...	.120	.114	.103	.103	.103	.118	.145	.162	.175	.188	.145	.105	.109	.087	.074	.081	.094	.093	.097	.111	.116	.124	.126	.132	.118
„ 7, ...	.132	.127	.130	.120	.116	.118	.138	.138	.155	.158	.154	.131	.095	.073	.046	.058	.073	.085	.098	.114	.135	.149	.158	.156	.119
„ 8, ...	.149	.141	.134	.142	.150	.161	.177	.189	.232	.229	.236	.217	.173	.149	.140	.134	.153	.161	.171	.194	.215	.218	.213	.201	.178
„ 9, ...	.184	.179	.158	.153	.148	.147	.181	.188	.191	.194	.175	.162	.129	.105	.097	.070	.090	.090	.115	.145	.141	.145	.142	.127	.144
„ 10, ...	.116	.095	.087	.082	.078	.075	.075	.087	.090	.089	.075	.045	.013	29.991	29.970	29.963	29.964	29.969	29.984	29.996	.001	29.992	29.990	29.984	.034
„ 11, ...	29.973	29.961	29.938	29.924	29.912	29.925	29.917	29.931	29.953	29.961	29.930	29.908	29.879	.835	.822	.823	.833	.835	.834	.849	29.860	.877	.885	.880	29.894
„ 12, ...	.867	.863	.858	.860	.868	.877	.892	.903	.910	.920	.908	.884	.867	.843	.824	.834	.850	.862	.877	.894	.905	.911	.923	.920	.880
„ 13, ...	.911	.904	.896	.899	.899	.917	.930	.937	.952	.960	.949	.930	.905	.883	.861	.863	.864	.868	.868	.887	.903	.915	.908	.904	.905
„ 14, ...	.901	.882	.872	.866	.871	.890	.905	.929	.943	.953	.946	.922	.900	.883	.881	.869	.879	.887	.907	.915	.924	.935	.951	.951	.907
„ 15, ...	.932	.926	.909	.904	.909	.920	.944	.966	.983	.988	.991	.983	.955	.919	.896	.887	.884	.909	.926	.938	.948	.952	.955	.943	.936
„ 16, ...	.943	.921	.916	.921	.914	.920	.929	.940	.956	.970	.974	.943	.915	.909	.906	.909	.917	.926	.933	.965	.976	.992	30.000	30.001	.941
„ 17, ...	.996	.994	.987	.987	.999	30.020	30.046	30.065	30.071	30.069	30.042	30.018	.999	.992	.974	.973	.982	30.009	30.020	30.036	30.019	30.027	.018	.009	30.015
„ 18, ...	30.017	.995	.971	.959	.959	29.960	29.972	29.994	.000	29.988	29.992	29.978	.956	.931	.922	.876	.868	29.874	29.887	29.937	29.965	29.972	29.965	29.961	29.954
„ 19, ...	29.940	.919	.919	.915	.928	.947	.979	30.003	.012	30.030	30.028	.992	.968	.935	.923	.922	.945	.950	.967	.987	30.006	30.010	30.025	30.023	.970
„ 20, ...	30.027	30.101	30.051	30.073	30.047	30.055	30.073	.083	.077	.082	.066	30.047	30.028	.986	.973	.964	.967	.955	.947	.961	29.941	29.958	29.982	29.983	30.018
„ 21, ...	29.980	29.976	29.962	29.961	29.969	29.998	.013	.025	.030	.030	.015	.000	29.976	.955	.941	.941	.953	.960	.971	.977	.977	.996	.996	.989	29.983
„ 22, ...	.981	.974	.961	.950	.950	.952	29.952	29.955	29.973	29.968	29.948	29.929	.895	.866	.846	.847	.869	.870	.875	.897	.898	.908	.928	.919	.921
„ 23, ...	.924	.907	.905	.895	.883	.898	.908	.931	.959	.954	.939	.923	.894	.865	.860	.857	.861	.872	.885	.903	.931	.943	.939	.936	.907
„ 24, ...	.930	.935	.939	.948	.955	.970	30.000	30.017	30.033	30.035	30.021	.993	.971	.940	.921	.917	.928	.940	.960	.983	30.002	30.016	30.020	30.021	.975
„ 25, ...	30.015	30.012	30.009	30.003	30.006	30.029	.051	.075	.089	.099	.086	30.068	30.041	30.007	.988	.979	.988	30.004	30.021	30.040	.059	.070	.082	.085	30.038
„ 26, ...	.082	.076	.081	.080	.089	.115	.137	.154	.154	.158	.146	.141	.111	.090	30.069	30.055	30.056	.058	.069	.087	.100	.106	.105	.105	.101
„ 27, ...	.095	.087	.073	.063	.065	.072	.081	.091	.092	.093	.081	.048	.014	29.974	29.948	29.936	29.937	29.937	29.949	29.970	29.984	29.989	29.990	29.990	.023
„ 28, ...	29.987	29.979	29.964	29.959	29.959	29.957	29.982	29.993	29.996	29.994	29.986	29.966	29.937	.908	.891	.882	.886	.893	.907	.927	.944	.939	.937	.937	29.946
„ 29, ...	.934	.924	.919	.917	.919	.929	.949	.970	.985	.991	.985	.967	.935	.908	.887	.877	.872	.867	.872	.895	.899	.913	.925	.922	.923
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	30.038	30.032	30.022	30.020	30.021	30.030	30.046	30.060	30.072	30.076	30.065	30.044	30.017	29.991	29.975	29.971	29.980	29.987	30.000	30.018	30.028	30.037	30.040	30.036	30.025

TABLE II.

TEMPERATURE FOR THE MONTH OF FEBRUARY, 1888.

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,	46.9	47.4	46.5	44.6	47.1	46.2	44.0	44.3	43.5	44.5	45.6	45.7	45.7	46.6	45.3	44.9	45.3	44.6	44.4	44.3	44.3	44.7	43.1	43.7	45.1	47.8	42.8
„ 2,	43.8	42.9	42.6	43.4	42.7	44.1	42.8	43.7	44.7	45.3	45.4	45.4	43.9	44.3	44.4	45.1	45.2	45.0	44.6	44.5	44.0	43.6	44.3	42.8	44.1	45.4	42.6
„ 3,	42.3	44.3	43.9	42.8	41.0	41.8	41.7	43.6	45.2	48.5	50.2	51.5	52.8	52.7	52.5	52.1	51.5	49.1	47.6	47.6	45.9	45.1	43.8	45.3	46.8	53.1	40.6
„ 4,	45.1	44.6	44.9	44.7	43.3	42.1	42.0	44.6	45.4	46.4	48.7	48.4	49.7	48.7	48.6	48.8	49.0	48.9	49.6	50.6	51.4	51.7	51.9	52.3	47.6	52.3	41.6
„ 5,	52.5	52.5	52.7	51.9	50.7	50.3	50.8	51.7	52.1	52.3	52.7	53.2	52.8	52.6	53.7	53.7	52.9	52.9	52.9	52.9	52.9	53.6	53.7	53.8	52.6	54.1	50.2
„ 6,	53.5	52.7	53.1	51.7	51.7	51.6	51.7	52.6	51.9	52.7	54.1	54.5	53.8	54.1	53.9	53.4	53.2	52.7	53.0	52.4	52.2	52.5	52.2	50.9	52.8	55.2	50.9
„ 7,	51.3	50.1	49.5	50.9	50.8	50.2	50.9	53.3	54.1	55.8	56.4	57.0	57.8	55.8	55.7	55.3	54.8	54.5	53.8	53.7	52.3	51.9	51.1	50.3	53.2	59.1	49.3
„ 8,	49.8	49.3	49.3	48.9	47.5	47.4	48.8	49.3	49.4	49.8	49.4	49.6	52.7	51.7	51.7	52.5	51.4	51.4	51.3	51.6	51.0	50.7	52.2	51.8	50.4	52.7	47.4
„ 9,	51.3	53.3	52.8	52.9	53.1	53.2	53.4	53.6	53.7	53.9	55.1	55.6	55.1	55.7	54.8	54.7	54.5	54.9	55.7	55.4	55.3	55.1	55.6	56.0	54.4	56.9	51.0
„ 10,	56.1	56.1	56.2	56.3	56.3	56.5	56.8	57.4	57.9	58.9	60.0	61.3	60.3	61.0	60.0	59.1	58.5	58.3	57.9	58.2	58.8	59.0	59.0	59.3	58.3	61.3	56.0
„ 11,	59.4	59.4	59.7	59.8	59.8	60.0	59.7	60.6	61.5	63.0	63.4	63.8	63.6	63.8	63.8	63.7	62.8	62.1	61.5	61.5	61.9	62.2	62.3	62.4	61.7	64.4	59.3
„ 12,	62.9	62.4	62.5	62.8	62.6	62.9	62.8	63.7	64.0	65.5	65.2	65.5	65.6	65.7	65.5	62.9	62.7	62.4	62.2	60.6	59.5	58.8	58.0	57.4	62.7	66.5	57.4
„ 13,	57.2	57.2	57.0	56.7	56.7	56.5	56.5	56.7	56.7	56.9	56.4	56.8	56.9	56.8	57.8	57.7	57.6	57.8	58.7	58.7	58.9	59.6	60.0	60.0	57.6	60.0	56.4
„ 14,	60.0	60.1	59.9	59.8	59.7	60.3	60.7	61.4	61.3	60.9	60.2	60.7	58.8	58.7	57.8	58.0	57.5	56.8	56.9	56.9	56.7	56.0	55.9	55.8	58.8	61.4	55.7
„ 15,	55.9	56.1	55.7	55.6	55.7	55.6	55.7	55.8	55.7	56.8	56.8	56.8	57.1	57.4	56.8	56.5	56.5	56.8	57.7	58.0	58.6	58.9	59.0	59.0	56.9	59.2	55.4
„ 16,	58.8	59.3	59.1	59.9	59.6	59.6	59.2	59.7	60.6	61.8	60.6	64.7	65.5	59.8	58.7	57.7	57.2	57.7	58.0	57.9	58.3	56.6	56.3	56.2	59.3	66.2	56.2
„ 17,	56.4	56.1	55.7	56.1	55.0	54.7	55.3	55.0	56.6	56.1	57.5	57.4	56.8	57.0	56.5	56.6	55.6	55.7	55.8	56.3	55.6	55.6	55.4	56.0	56.0	57.5	54.6
„ 18,	56.5	56.3	56.1	56.6	56.0	56.0	56.7	56.9	57.6	58.4	58.4	56.9	56.0	56.5	56.2	56.7	56.9	56.9	56.9	54.9	54.7	54.4	53.9	52.9	56.2	58.7	52.7
„ 19,	52.6	51.9	50.8	50.6	49.7	50.1	50.6	50.7	51.6	52.3	52.6	54.1	54.7	56.0	58.3	57.7	56.8	54.9	53.7	52.3	52.1	52.8	51.9	50.8	52.9	59.3	49.7
„ 20,	49.6	47.5	47.0	47.3	48.1	47.9	47.9	49.7	51.8	52.3	52.2	52.6	51.2	51.2	51.7	51.4	50.7	52.0	53.2	53.8	53.8	53.8	54.1	52.8	51.0	54.1	45.7
„ 21,	52.4	52.5	50.7	50.8	51.4	52.2	51.7	52.2	55.9	55.8	56.0	56.5	56.4	58.2	57.6	56.6	56.3	55.9	55.9	55.5	55.0	54.4	54.2	54.5	54.5	58.2	50.7
„ 22,	53.9	53.7	53.6	53.3	53.7	53.9	53.7	54.7	54.7	54.8	55.1	54.7	55.0	54.8	55.0	55.1	54.9	55.4	54.8	54.9	54.3	54.2	53.9	53.5	54.4	55.5	53.1
„ 23,	52.9	52.8	53.1	53.5	53.6	53.8	54.1	54.3	54.7	56.1	55.2	54.6	56.3	55.5	55.8	55.8	55.8	55.6	56.3	55.9	55.8	55.7	55.9	55.8	55.0	56.3	52.6
„ 24,	55.7	56.5	55.6	55.2	54.9	54.7	54.8	55.6	56.1	57.3	58.7	59.2	60.2	60.9	61.2	61.7	59.8	59.2	58.9	58.1	57.1	57.8	57.9	58.0	57.7	61.7	54.3
„ 25,	58.0	58.0	58.0	57.5	57.0	57.0	57.7	57.7	58.6	59.5	60.1	60.6	59.9	58.7	59.7	59.5	59.0	57.7	58.2	58.3	57.8	57.5	56.8	56.5	58.3	60.6	56.5
„ 26,	56.5	56.4	56.0	59.6	60.0	59.1	58.4	59.5	61.9	63.4	65.5	64.3	62.8	62.7	63.1	63.2	62.0	59.9	58.6	57.7	57.3	56.9	56.5	56.9	59.9	65.5	55.9
„ 27,	56.0	56.1	55.5	54.9	54.4	54.5	54.7	56.3	57.4	58.5	57.9	59.4	59.7	58.8	57.9	58.0	57.5	56.7	56.8	57.2	56.8	56.8	56.6	56.4	56.9	59.7	54.4
„ 28,	56.2	55.9	55.6	55.6	56.3	56.7	56.7	57.7	59.3	60.6	61.8	62.0	62.3	61.7	62.6	61.8	62.0	62.2	61.8	61.9	60.7	61.1	61.8	62.4	59.9	62.7	55.5
„ 29,	62.7	62.5	62.9	63.6	64.1	64.2	64.7	64.1	66.2	66.6	67.8	67.3	67.6	68.2	66.8	64.4	64.3	64.3	63.6	63.3	64.3	64.1	64.4	64.8	64.9	68.6	62.4
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	54.0	53.9	53.7	53.7	53.5	53.6	53.6	54.4	55.2	56.0	56.5	56.9	56.9	56.7	56.7	56.4	55.9	55.6	55.5	55.3	55.1	55.0	54.9	54.8	55.2	58.4	52.1

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF FEBRUARY, 1888.

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,.....	44.0	44.1	44.8	43.4	45.1	43.5	42.8	42.3	41.9	42.8	44.0	43.4	44.4	44.9	44.2	43.6	44.0	43.3	43.2	42.9	42.5	42.8	42.6	42.9	43.5	71.2	43.7
„ 2,.....	42.9	42.7	42.6	43.0	41.8	42.0	42.1	42.5	43.4	44.1	44.1	43.7	43.1	42.5	42.5	43.7	43.9	43.8	43.6	42.9	42.4	41.7	41.9	41.5	42.8	61.5	41.9
„ 3,.....	40.4	40.1	39.7	38.3	37.7	37.7	37.7	38.8	40.0	42.1	43.3	43.4	43.9	43.4	41.8	40.9	42.4	40.6	39.2	38.9	37.7	36.5	35.9	35.9	39.8	118.0	41.0
„ 4,.....	35.8	34.8	35.0	34.5	34.1	33.9	34.6	35.8	37.3	37.9	38.8	37.0	38.8	38.7	39.2	40.9	41.7	42.0	43.1	45.1	45.7	45.7	45.9	46.6	39.3	115.3	36.8
„ 5,.....	46.3	47.0	47.0	46.6	45.5	45.0	45.9	47.6	47.5	48.1	48.3	47.6	47.5	46.8	47.3	47.0	45.8	46.1	46.9	47.4	47.6	48.4	49.0	49.1	47.1	90.9	48.9
„ 6,.....	48.9	48.2	48.7	48.8	49.1	49.4	49.4	49.7	50.6	50.8	51.2	50.9	50.7	50.0	50.2	49.9	49.6	49.3	49.1	49.1	49.6	49.4	49.5	49.0	49.6	114.1	50.7
„ 7,.....	49.1	48.7	48.3	47.7	47.9	48.0	48.6	49.9	50.5	51.4	52.1	52.6	53.2	51.9	51.8	51.1	50.8	50.8	50.0	50.2	50.6	49.6	49.3	48.7	50.1	95.1	48.7
„ 8,.....	48.0	48.0	47.6	47.7	46.2	46.1	45.8	45.9	45.9	46.9	46.1	46.1	48.6	46.9	47.4	47.9	47.5	47.9	47.8	47.9	48.0	48.3	49.0	49.2	47.4	72.2	46.8
„ 9,.....	49.2	50.0	49.9	49.8	49.9	49.3	49.4	49.2	49.0	49.2	50.7	51.1	50.8	51.6	51.1	51.3	51.2	51.7	52.0	52.0	52.5	52.7	52.8	53.1	50.8	127.7	49.8
„ 10,.....	52.9	52.7	53.3	53.4	53.2	53.6	53.9	54.2	55.1	55.8	57.2	57.7	56.9	57.4	56.8	56.9	56.7	56.7	56.8	56.9	57.7	57.8	57.4	57.0	55.8	125.2	54.5
„ 11,.....	56.9	56.8	56.9	57.0	56.9	56.9	56.9	57.1	57.6	58.9	59.9	59.5	59.6	59.9	60.5	60.8	60.4	60.0	59.8	60.1	60.5	61.0	61.1	61.1	59.0	122.7	58.4
„ 12,.....	61.5	61.1	61.3	61.4	61.5	61.6	61.6	61.8	62.1	62.6	62.5	62.8	62.8	63.0	63.0	62.0	62.0	61.7	61.4	60.0	58.9	58.3	57.4	56.7	61.2	125.0	58.4
„ 13,.....	56.4	56.1	56.0	55.3	55.2	54.9	54.8	55.0	55.3	55.9	55.5	56.0	55.8	55.8	56.5	56.5	56.3	56.3	56.8	57.0	57.6	58.0	58.2	58.3	56.2	89.9	55.5
„ 14,.....	58.4	58.3	58.2	58.1	57.9	58.7	59.1	59.9	59.9	59.6	59.0	58.9	58.0	57.8	57.5	57.1	56.8	56.6	56.5	56.4	55.9	55.5	55.4	55.3	57.7	96.9	55.0
„ 15,.....	55.3	55.4	55.1	55.0	54.9	54.7	54.8	54.5	54.0	54.8	54.8	55.0	55.3	55.5	55.8	55.6	55.9	56.1	56.6	56.8	57.0	57.6	57.6	57.7	55.7	90.3	54.6
„ 16,.....	57.6	58.2	58.1	58.7	58.5	58.7	58.8	59.3	59.7	60.6	60.3	62.2	62.7	58.7	57.8	56.7	56.4	56.2	56.6	56.1	56.8	55.8	55.9	55.7	58.2	114.1	56.1
„ 17,.....	55.5	54.9	54.4	54.4	54.3	53.8	54.6	54.4	54.8	54.7	55.2	54.9	54.7	54.8	54.4	54.6	53.9	53.8	54.0	54.0	54.2	54.1	54.1	54.3	54.4	84.6	53.7
„ 18,.....	54.3	54.3	54.1	54.4	54.1	54.0	54.5	54.5	54.9	55.6	55.8	55.0	55.2	54.9	54.8	55.0	55.3	55.7	55.7	54.0	53.6	52.7	52.2	51.3	54.4	87.3	54.7
„ 19,.....	51.1	50.7	49.6	49.5	48.2	48.4	48.1	48.3	48.7	49.1	48.8	49.9	49.9	50.7	51.9	51.3	50.4	49.4	48.6	46.9	46.9	47.3	44.9	45.2	48.9	113.1	48.9
„ 20,.....	44.5	44.6	44.2	45.4	45.6	45.3	45.4	47.1	48.6	48.9	48.9	49.4	49.4	49.8	50.3	49.8	49.7	50.7	50.8	50.2	50.9	50.9	51.4	50.9	48.4	91.0	44.3
„ 21,.....	50.9	50.7	48.9	48.7	48.8	49.8	49.6	49.8	51.7	51.9	52.4	53.1	52.8	53.2	52.8	52.5	52.5	51.9	51.4	51.0	51.4	52.0	52.1	52.8	51.4	88.3	49.4
„ 22,.....	52.7	52.6	52.4	52.3	52.3	52.4	52.5	52.2	52.0	52.6	52.5	52.3	52.9	52.7	52.9	53.1	53.0	53.3	52.5	52.6	52.5	52.5	53.0	52.3	52.6	73.1	52.0
„ 23,.....	51.8	51.9	52.1	52.2	52.1	52.6	52.5	52.3	52.5	53.4	53.1	53.5	53.8	54.0	54.5	54.6	54.8	54.8	54.4	54.1	53.9	54.4	54.4	54.2	53.4	72.5	52.0
„ 24,.....	54.3	54.5	53.8	53.2	53.2	53.5	53.7	52.8	53.3	53.7	54.6	54.7	55.6	55.9	55.7	56.3	55.8	55.8	55.8	55.6	55.4	55.1	54.7	55.0	54.7	94.3	52.7
„ 25,.....	55.0	55.0	55.2	54.7	54.2	54.1	54.8	55.2	56.1	56.7	56.7	57.0	56.1	55.2	55.7	55.7	55.4	54.9	55.1	55.1	54.8	55.2	54.9	54.8	55.3	127.6	52.5
„ 26,.....	54.9	54.7	54.5	53.5	52.6	51.9	51.1	51.7	52.5	53.5	54.8	54.9	55.3	55.6	55.4	56.6	55.2	53.8	54.3	54.1	54.3	53.6	53.4	54.3	54.0	124.5	48.4
„ 27,.....	53.8	53.2	52.4	52.5	52.1	52.3	52.7	53.2	53.2	53.7	53.0	53.8	53.3	53.6	53.0	52.8	52.4	51.7	51.7	52.8	53.8	54.1	53.9	52.8	53.0	116.8	50.3
„ 28,.....	52.7	52.1	51.9	51.6	51.8	51.7	52.0	51.3	52.7	52.9	53.7	53.6	54.8	54.4	54.7	54.2	54.5	54.9	55.8	56.4	57.8	58.0	58.1	58.9	54.2	124.7	52.5
„ 29,.....	58.3	57.8	58.6	59.7	59.8	59.8	60.0	59.8	60.9	61.1	61.9	61.6	61.6	61.8	60.6	60.1	59.6	58.8	59.0	59.7	60.8	60.6	60.6	60.8	60.1	134.3	59.9
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	51.5	51.4	51.2	51.1	50.8	50.8	51.0	51.2	51.8	52.4	52.7	52.8	53.0	52.8	52.8	52.7	52.5	52.4	52.4	52.3	52.5	52.4	52.3	52.3	52.0	102.1	50.8

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF FEBRUARY, 1888.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1888.		
1 a	83	0.355	Feb. 1,.....	87	0.263
2 „	83	.354	„ 2,.....	90	.2[illegible]9
3 „	83	.351	„ 3,.....	48	.155
4 „	82	.348	„ 4,.....	39	.133
5 „	82	.343	„ 5,.....	63	.252
6 „	81	.341	„ 6,.....	79	.314
7 „	82	.347	„ 7,.....	79	.322
8 „	79	.342	„ 8,.....	79	.289
9 „	78	.348	„ 9,.....	76	.325
10 „	77	.353	„ 10,.....	85	.414
11 „	76	.355	„ 11,.....	84	.465
Noon.	74	.353	„ 12,.....	92	.522
1 p	76	.358	„ 13,.....	92	.435
2 „	76	355	„ 14,.....	93	.464
3 „	76	.355	„ 15,.....	93	.429
4 „	77	.356	„ 16,.....	93	.472
5 „	78	.357	„ 17,.....	90	.404
6 „	79	.359	„ 18,.....	89	.401
7 „	80	.360	„ 19,.....	73	.295
8 „	80	.360	„ 20,.....	81	.307
9 „	83	.368	„ 21,.....	79	.340
10 „	83	.367	„ 22,.....	88	.374
11 „	83	.365	„ 23,.....	89	.389
Midt.	84	.366	„ 24,.....	81	.390
			„ 25,.....	81	.399
			„ 26,.....	66	.340
			„ 27,.....	76	.352
			„ 28,.....	67	.346
			„ 29,.....	74	.457
			.....	...	...
			.....	...	...
Mean, ...	80	0.355	Mean,.....	80	0.355

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.
1888.														
Feb. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	0.1	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	9.4
„ 4,	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.2
„ 5,	...	...	...	...	...	...	...	...	0.2	...	...	...	...	0.2
„ 6,	...	...	...	...	...	0.3	0.1	...	...	...	...	...	...	0.4
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	0.6	0.1	...	0.2	0.3	...	...	1.2
„ 10,	...	...	...	...	...	0.6	0.7	1.0	0.4	...	...	...	...	2.7
„ 11,	...	0.2	0.4	0.9	1.0	1.0	0.9	0.2	0.4	0.3	0.1	...	...	5.4
„ 12,	...	0.2	1.0	0.4	0.7	0.9	...	...	0.9	0.5	...	...	...	4.6
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	0.2	...	...	...	...	...	...	0.2
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	0.3	...	...	...	...	0.5	1.0	1.0	0.6	...	3.4
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	0.1	0.1	...	...	0.2
„ 25,	...	...	0.2	0.7	0.6	0.6	0.5	0.5	1.0	0.6	...	...	...	4.7
„ 26,	...	0.7	1.0	1.0	0.9	0.9	0.8	1.0	1.0	1.0	1.0	0.6	...	9.9
„ 27,	...	0.2	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.5
„ 28,	...	...	...	0.6	0.7	0.7	1.0	1.0	1.0	1.0	1.0	...	...	7.0
„ 29,	...	...	...	0.1	...	0.3	0.4	0.4	0.6	0.7	0.3	...	...	2.8
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	...	2.1	5.0	7.0	6.9	8.3	8.2	7.2	9.0	8.4	6.8	2.9	...	71.8
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF FEBRUARY, 1888.

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,	0·005	0.060	0·080	0·020	0·100	...	...	0·035	0·170	0·050	...	...	0·010	0·040	0·010	0·055	0·015	...	0·005	...	...	0·015	0·105	0·080	0·855
„ 2,	0·045	0·020	...	...	...	...	0·040	0·100	0·155	0·035	0·005	0·015	0·035	0·050	0·045	0·070	0·065	0·010	0·040	0·045	0·005	0·040	0·040	0·020	0·880
„ 3,	0·025	0·020	0·005	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·055
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	0·035	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·015	0·050
„ 7,	0·005	0·145	0·065	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·215
„ 8,	...	...	...	0·035	0·005	...	...	0·005	0·015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·060
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	...	0·005	...	0·010	...	...	...	0·020
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	0·005
„ 17,	...	...	...	...	...	0·010	0·005	0·010	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·030
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	0.010	0·020	0·010	0·010	0·020	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·080
„ 20,	0·210	0·390	0.040	0·005	...	0·025	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·230	0·055	0·955
„ 21,	0·065	0·105	0·160	...	...	0·035	0·025	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·400
„ 22,	...	...	...	...	0·005	...	...	...	0·005	0·010	...	...	...	...	...	...	...	...	...	...	...	0·010	0·030	0·020	0·080
„ 23,	0·050	0·005	0.035	0·005	...	...	0·005	...	...	...	0·025	0·010	...	...	0·010	0·010	...	0·010	...	...	...	...	...	...	0·165
„ 24,	0·020	0·015	0·015	0·040	0·020	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·110
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·425	0·760	0·410	0·130	0·140	0·080	0·095	0·170	0·385	0·100	0·030	0·025	0·045	0·090	0·070	0·140	0·080	0·020	0·050	0·045	0·015	0·065	0·405	0·190	3·965

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF FEBRUARY, 1888.

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.		
Feb. 1,	32	14	32	15	2	15	1	6	3	10	1	13	32	10	32	8	1	12	32	5	1	8	32	10	31	8	32	9	1	10	1	5	32	5	1	9	32	8	32	15	1	16	31	11	31	11	32	11	244	10.2
,, 2,	32	9	32	8	31	6	2	9	1	21	1	15	1	9	31	6	32	3	31	7	32	11	32	9	29	9	1	10	2	12	29	4	3	2	2	9	32	8	2	12	32	15	31	14	31	9	32	8	225	9.4
,, 3,	31	15	32	20	1	23	32	33	32	36	32	36	32	32	32	32	32	27	31	19	31	21	32	19	32	17	1	13	2	13	2	9	2	11	3	6	2	4	5	2	2	7	4	9	2	8	2	16	428	17.8
,, 4,	2	19	2	24	3	28	2	28	2	20	6	18	4	11	3	9	32	10	1	6	11	5	9	8	8	13	8	15	6	15	6	18	6	15	7	14	7	16	7	16	7	19	6	16	7	18	7	18	379.	15.8
,, 5,	6	19	6	15	5	17	6	22	6	23	6	22	7	29	7	26	6	25	6	27	6	25	6	24	6	19	8	19	7	20	7	20	7	23	7	21	7	24	7	24	7	22	7	17	6	12	7	12	507	21.1
,, 6,	31	4	31	5	1	4	30	3	32	2	32	2	1	2	...	1	13	2	13	2	8	16	6	15	25	11	2	7	1	4	1	7	1	5	1	7	30	2	31	4	32	3	1	2	32	2	32	5	117	4.9
,, 7,	32	2	2	2	...	0	1	5	2	7	31	3	3	4	2	3	...	0	6	4	10	9	11	7	14	3	24	9	22	5	1	7	32	4	32	7	32	5	32	5	32	2	...	1	2	3	1	6	103	4.3
,, 8,	32	8	1	3	32	4	30	5	32	7	1	9	1	16	32	11	32	10	1	13	26	6	1	9	32	8	29	5	29	4	3	4	32	4	2	4	4	6	6	12	6	12	6	14	4	17	5	19	210	8.7
,, 9,	6	21	4	21	6	24	6	28	6	28	7	33	7	27	7	30	7	30	7	34	7	29	7	33	7	29	7	29	7	26	7	28	7	24	7	23	7	19	7	19	7	22	7	23	7	21	7	19	620	25.8
,, 10,	7	21	7	25	8	24	8	23	8	23	7	25	7	24	9	27	8	23	8	22	8	23	8	23	8	26	8	20	8	20	8	21	7	19	8	18	8	15	10	15	10	12	9	17	9	16	9	21	503	21.0
,, 11,	9	19	8	20	9	21	8	17	8	16	9	21	8	14	9	18	8	22	7	22	8	25	8	26	7	23	7	21	7	18	7	16	7	14	7	19	7	16	7	19	7	13	8	16	7	13	7	14	443	18.5
,, 12,	6	13	7	13	7	15	7	13	7	13	8	15	7	12	7	12	7	13	7	14	7	16	7	12	8	11	7	13	7	16	7	21	8	23	9	22	8	21	7	22	7	27	7	26	7	28	7	27	418	17.4
,, 13,	7	28	7	29	7	31	7	26	7	28	7	26	7	26	7	27	7	25	7	25	7	23	8	27	9	27	8	26	8	28	8	26	7	24	7	26	9	30	9	30	8	24	8	22	8	24	8	23	631	26.3
,, 14,	8	24	8	23	7	23	8	19	7	17	8	18	8	19	9	20	8	21	8	23	7	25	7	30	8	29	8	30	7	26	8	28	8	29	7	28	7	31	7	34	7	32	7	30	7	31	7	29	619	25.8
,, 15,	7	30	7	29	7	32	7	29	7	29	7	32	7	33	7	32	7	32	7	30	7	25	7	26	7	27	7	30	7	28	7	26	7	27	7	24	8	24	8	25	8	23	8	24	8	24	9	27	668	27.8
,, 16,	8	22	9	24	8	23	10	18	8	17	7	17	7	14	8	14	7	11	8	10	10	5	8	5	24	5	24	16	26	14	26	17	26	14	24	12	21	9	21	5	25	5	21	5	23	3	23	6	291	12.1
,, 17,	22	9	22	7	21	11	21	8	22	8	22	6	26	4	22	3	6	11	7	19	7	22	7	25	7	25	7	21	7	20	7	19	7	17	7	14	7	15	7	15	7	22	7	21	7	24	7	23	369	15.4
,, 18,	6	17	7	16	7	21	7	22	7	22	7	24	9	29	7	25	7	26	7	27	7	21	7	21	8	25	8	24	7	23	7	26	8	30	8	24	7	13	29	13	27	18	26	16	25	17	26	19	519	21.6
,, 19,	24	19	26	18	26	22	27	21	27	17	32	4	26	19	26	15	27	14	27	9	27	9	4	3	23	4	27	5	26	6	28	15	31	17	31	14	31	11	32	13	30	11	4	11	32	4	32	6	287	12.0
,, 20,	32	13	4	10	2	6	6	5	6	9	32	4	32	3	8	3	8	12	8	19	7	15	6	15	5	14	7	19	6	21	6	21	6	22	7	30	7	33	7	37	7	35	7	30	6	18	6	12	406	16.9
,, 21,	6	9	30	8	32	6	32	9	28	6	27	5	8	4	6	6	6	5	26	7	23	9	24	13	24	12	3	5	10	3	20	2	20	2	20	2	9	5	5	9	7	8	7	9	5	6	6	10	160	6.7
,, 22,	7	9	7	9	3	5	7	5	6	12	6	18	7	20	7	23	6	22	7	25	6	21	7	19	7	18	7	16	7	13	7	14	8	12	10	12	7	12	8	17	8	19	7	18	9	5	20	3	347	14.5
,, 23,	28	7	...	1	18	2	14	4	8	10	8	2	9	6	8	11	5	4	8	7	28	5	22	3	6	5	29	5	26	3	23	2	24	2	28	2	9	13	7	18	7	16	7	15	7	26	7	25	194	8.1
,, 24,	7	21	4	7	32	8	32	9	1	6	2	4	18	2	2	5	31	8	1	10	32	5	26	3	21	4	21	2	17	4	23	5	23	5	23	5	25	5	24	5	24	3	24	2	8	2	8	13	143	6.0
,, 25,	8	13	8	13	8	14	7	15	8	13	8	14	7	15	8	20	7	19	7	18	8	22	8	25	8	22	9	19	9	19	8	16	8	14	8	11	8	8	8	6	9	4	9	5	...	0	...	0	325	13.5
,, 26,	...	1	...	0	2	2	32	17	1	29	1	22	32	15	32	9	32	18	1	17	4	9	6	14	8	16	9	20	9	13	9	7	24	7	24	6	28	5	28	2	4	2	8	5	8	13	9	16	265	11.0
,, 27,	6	14	6	13	7	16	7	20	7	18	7	15	7	14	7	15	7	14	7	14	9	17	8	16	9	20	9	23	9	25	8	22	7	19	7	17	7	16	7	17	8	17	8	19	8	16	9	18	415	17.3
,, 28,	9	23	8	18	8	21	8	19	9	19	8	21	8	20	8	23	9	28	8	29	7	26	8	23	9	26	8	25	8	23	7	22	8	23	8	21	7	16	7	16	9	14	7	14	8	16	9	19	505	21.0
,, 29,	10	21	9	18	8	15	8	7	11	9	9	14	7	13	8	12	8	8	9	10	9	14	10	15	9	15	10	17	10	23	9	23	7	22	7	20	7	21	8	15	8	17	9	16	10	14	10	14	373	15.5
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	444	...	414	...	439	...	445	...	475	...	458	...	446	...	446	...	455	...	474	...	467	...	478	...	471	...	473	...	455	...	451	...	435	...	427	...	411	...	442	...	440	...	428	...	401	...	439	10714	446.4
Hourly Means,	...	15.3	...	14.3	...	15.1	...	15.3	...	16.4	...	15.8	...	15.4	...	15.4	...	15.7	...	16.3	...	16.1	...	16.5	...	16.2	...	16.3	...	15.7	...	15.6	...	15.0	...	14.7	...	14.2	...	15.2	...	15.2	...	14.8	...	13.8	...	15.1	369.4	15.4

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR FEBRUARY, 1888.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	4.1	10.8	0.4	1.1	+3.7	+ 9.7	E 21° N
2 „	4.2	10.2	0.1	0.8	4.2	9.4	E 24° N
3 „	4.2	11.0	0.3	0.9	3.9	10.1	E 21° N
4 „	5.2	10.0	0.5	0.8	4.7	9.2	E 27° N
5 „	5.9	10.7	0.3	0.8	5.6	9.9	E 29° N
6 „	4.7	11.3	0.1	0.3	4.6	11.0	E 23° N
7 „	3.7	11.3	0.1	0.7	3.6	10.7	E 19° N
8 „	3.0	12.1	0.0	0.5	2.9	11.6	E 14° N
9 „	4.2	11.8	0.0	0.3	4.2	11.4	E 20° N
10 „	3.3	13.0	0.0	0.4	3.3	12.6	E 15° N
11 „	2.7	13.1	0.3	0.8	2.4	12.3	E 11° N
Noon.	2.6	13.7	0.4	0.6	2.2	13.1	E 10° N
1 p.	2.0	13.2	0.2	1.4	1.8	11.8	E 9° N
2 „	1.8	13.4	0.2	1.3	1.6	12.2	E 7° N
3 „	2.0	13.1	0.5	0.9	1.5	12.1	E 7° N
4 „	2.1	12.9	0.0	1.2	2.1	11.7	E 10° N
5 „	2.2	12.3	0.0	0.9	2.2	11.4	E 11° N
6 „	1.9	12.1	0.2	0.9	1.7	11.2	E 9° N
7 „	1.6	12.2	0.2	0.5	1.3	11.7	E 6° N
8 „	2.4	12.6	0.3	0.7	2.1	11.9	E 10° N
9 „	2.4	12.3	0.1	0.8	2.2	11.5	E 11° N
10 „	2.0	12.6	0.1	0.7	1.9	12.0	E 9° N
11 „	2.1	11.5	0.2	0.7	2.0	10.8	E 11° N
Midt.	2.7	12.2	0.2	0.8	+2.4	+11.3	E 12° N
Mean,.....	3.0	12.1	0.2	0.8	+2.8	+11.3	E 14° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AND RAINFALL AT VICTORIA PEAK, AND RAINFALL AT THE OBSERVATORY.

Date.	10 a.		4 p.		10 p.		Rain.		
	Direction	Force.	Direction	Force.	Direction	Force.	Peak.	Observatory.	Duration.
1888.							ins.	ins.	hrs.
Feb. 1,.....	NE	5	NE	4	NE	4	0.76	0.730	17
„ 2,.....	ENE	4	ENE	4	NE	5	0.62	0.540	16
„ 3,.....	NE	5	NE	5	NE	5	...	...	...
„ 4,.....	ENE	5	ENE	4	ENE	4	...	...	...
„ 5,.....	E	5	E	4	E	5	...	0.035	1
„ 6,.....	ENE	4	NE	4	ENE	4	...	0.230	4
„ 7,.....	ENE	3	NE	4	ENE	4	...	0.060	4
„ 8,.....	ENE	4	ENE	4	E	4	0.10	...	...
„ 9,.....	E	6	E	5	E	5	...	...	...
„ 10,.....	SE	5	SSE	4	SSE	4	...	...	...
„ 11,.....	SE	5	SE	5	SE	5	...	...	...
„ 12,.....	SE	4	SE	3	SE	4	...	0.005	6
„ 13,.....	SSE	5	SE	6	SE	5	...	...	4
„ 14,.....	SE	4	SE	3	SE	5	0.12	0.020	15
„ 15,.....	ESE	6	SE	5	SE	4	...	...	5
„ 16,.....	SSE	3	W	4	N	4	...	0.035	16
„ 17,.....	E	5	E	4	E	5	...	...	3
„ 18,.....	SE	4	SE	4	SE	4	...	0.080	10
„ 19,.....	NW	4	N	5	N	5	0.54	0.670	4
„ 20,.....	E	4	E	5	E	6	0.65	0.685	10
„ 21,.....	N	4	N	3	NE	5	0.30	0.020	3
„ 22,.....	E	5	E	4	E	5	0.12	0.160	8
„ 23,.....	E	4	NE	4	ENE	4	0.42	0.175	10
„ 24,.....	N	3	N	2	NE	3	...	...	...
„ 25,.....	E	3	E	2	E	4	...	...	...
„ 26,.....	NE	4	E	3	E	3	...	...	...
„ 27,.....	E	4	E	4	E	4	...	...	...
„ 28,.....	E	4	ESE	4	ESE	4	...	...	...
„ 29,.....	ESE	4	E	4	ESE	4	...	...	...
.....	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...
Mean,.....	E 1° N	4.3	E 4° N	4.0	E 3° N	4.4	3.63	3.445	136

The Rainfall here exhibited is measured at 10 *a.* and entered to previous day.

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1888.	ins.	ins.	ins.	°	°	°	°	°	°	°
Feb. 1,.....	28.329	28.270	28.300	43.8	43.7	42.7	70.2	46.8	42.6	42.6
„ 2,.....	.330	.280	.347	42.7	42.7	39.0	68.3	46.1	37.2	36.0
„ 3,.....	.429	.396	.339	40.1	44.7	38.1	102.4	47.2	35.3	32.7
„ 4,.....	.366	.282	.276	41.7	43.7	41.4	104.9	44.9	37.5	31.8
„ 5,.....	.301	.269	.243	43.8	44.9	43.1	97.4	45.5	41.4	42.3
„ 6,.....	.351	.270	.296	45.8	46.8	45.2	85.9	47.2	43.1	43.3
„ 7,.....	.340	.256	.316	48.2	48.8	47.1	93.2	49.6	45.2	41.3
„ 8,.....	.387	.310	.361	44.8	46.4	45.1	66.8	47.9	44.3	40.6
„ 9,.....	.373	.285	.273	46.1	46.7	45.8	104.0	48.0	45.1	42.3
„ 10,.....	.290	.212	.187	54.7	56.7	56.7	119.1	58.3	45.1	42.3
„ 11,.....	.188	.094	.126	58.7	60.8	60.0	123.3	63.2	55.2	55.0
„ 12,.....	.175	.108	.100	62.0	63.9	60.1	130.0	65.3	54.6	51.4
„ 13,.....	.162	.103	.118	57.8	58.9	60.1	110.6	62.5	54.8	53.1
„ 14,.....	.186	.111	.109	60.5	58.4	55.7	124.4	62.3	55.7	48.3
„ 15,.....	.185	.108	.112	54.2	54.4	54.7	101.3	55.7	51.8	49.3
„ 16,.....	200	.141	.183	58.7	57.8	56.8	93.9	61.1	53.7	51.4
„ 17.....	.221	.198	.210	53.7	53.8	52.8	82.8	56.9	52.8	52.3
„ 18,.....	.198	.129	.135	53.7	55.8	55.8	103.9	58.9	51.2	50.4
„ 19,.....	.187	.120	.158	47.8	50.8	47.5	105.1	58.6	45.3	42.4
„ 20,.....	.240	.151	.145	48.0	46.4	45.8	81.4	50.3	45.5	43.4
„ 21,.....	.217	.157	.159	48.7	49.1	49.0	81.7	52.6	45.8	46.4
„ 22,.....	.162	.061	.094	48.8	49.1	48.7	71.3	52.3	45.3	45.4
„ 23,.....	.145	.087	.114	49.5	49.8	49.1	67.5	51.6	48.2	47.3
„ 24,.....	.199	.184	.180	50.2	51.8	51.7	91.7	56.2	49.1	48.4
„ 25,.....	.274	.212	.244	53.4	54.4	53.8	110.1	57.3	51.7	52.4
„ 26,.....	.338	.305	.312	54.1	59.1	55.4	124.4	59.3	50.2	45.8
„ 27,.....	.254	.172	.196	53.7	56.7	52.8	112.5	58.3	50.5	46.4
„ 28,.....	.226	.145	.181	54.1	57.7	55.2	121.1	59.5	52.2	50.6
„ 29,.....	.218	.147	.099	59.7	61.7	58.0	123.3	64.3	55.2	54.8
.....	...	...	..	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...
Mean,.....	28.258	28.192	28.204	51.0	52.3	50.6	99.1	54.7	47.8	45.9

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND VICTORIA PEAK.

Date. 1888.	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,.....	86	90	85	90	90	94	0.254	0.268	0.252	0.257	0.259	0.260
„ 2,.....	90	89	85	90	88	79	.274	.268	.240	.248	.241	.189
„ 3,.....	54	28	34	86	61	65	.185	.111	.105	.214	.182	.151
„ 4,.....	37	44	60	63	63	84	.118	.153	.230	.168	.181	.220
„ 5,.....	72	57	66	92	86	73	.282	.235	.272	.264	.255	.201
„ 6,.....	87	77	78	98	92	93	.348	.315	.313	.302	.297	.281
„ 7,.....	72	73	84	88	94	84	.323	.321	.326	.299	.324	.272
„ 8,.....	80	69	83	96	89	94	.284	.275	.307	.286	.281	.283
„ 9,.....	69	78	85	88	99	93	.289	.334	.366	.275	.318	.288
„ 10,.....	81	87	93	98	99	99	.406	.436	.463	.418	.456	.456
„ 11,.....	77	84	93	99	98	97	.445	.496	.522	.490	.525	.504
„ 12,.....	85	95	97	94	89	88	.530	.545	.482	.525	.530	.458
„ 13,.....	94	93	90	91	95	96	.435	.442	.463	.437	.472	.503
„ 14,.....	92	95	97	96	95	87	.494	.456	.436	.507	.463	.387
„ 15,.....	87	95	92	85	94	80	.405	.432	.460	.359	.400	.345
„ 16,.....	93	94	95	93	95	98	.515	.448	.437	.463	.456	.455
„ 17,.....	92	87	91	97	98	96	.411	.402	.400	.401	.408	.385
„ 18,.....	83	89	89	99	96	98	.406	.412	.377	.409	.430	.438
„ 19,.....	78	61	63	91	85	86	.307	.295	.255	.304	.316	.284
„ 20,.....	77	89	81	89	95	98	.303	.338	.335	.299	.302	.302
„ 21,.....	76	74	85	91	96	89	.336	.342	.357	.315	.337	.311
„ 22,.....	86	87	89	91	98	95	.369	.378	.374	.313	.343	.327
„ 23,.....	83	93	92	94	97	95	.374	.412	.408	.332	.349	.335
„ 24,.....	78	69	83	98	98	94	.366	.383	.400	.354	.378	.361
„ 25,.....	83	77	85	92	94	92	.424	.395	.407	.380	.400	.386
„ 26,.....	47	65	79	85	79	80	.280	.372	.369	.358	.398	.353
„ 27,.....	71	69	83	89	82	95	.351	.333	.385	.369	.377	.379
„ 28,.....	56	58	82	80	81	82	.300	.321	.443	.334	.387	.358
„ 29,.....	71	77	81	93	88	91	.467	.464	.484	.478	.483	.440
.....	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean, ...	77	77	83	91	90	89	0.355	0.358	0.368	0.350	0.364	0.342

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
1888.												
Feb. 1, ...	10	cum-nim.	N	10	cum-nim.	N	10	nim.	N	10	nim.	NNE
„ 2, ...	10	nim.	N	10	nim.	...	10	nim.	ENE	10	nim.	ENE
„ 3, ...	10	nim.	...	10	nim.	...	10	R-cum.	NNE	1	R-cum.	N
„ 4, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 5, ...	10	cum.	E	10	cum.	...	10	str-cum. / cum.	W / E	10	cum.	E
„ 6, ...	10	str-cum.	...	10	str-cum.	...	10	str-cum.	ESE	10	str. / cum.	E
„ 7, ...	10	nim.	...	10	nim.	...	10	str-cum.	WSW	10	str-cum.	E
„ 8, ...	10	nim.	NE	10	nim.	NE	10	str-cum.	...	10	str-cum.	NNE
„ 9, ...	10	str-cum.	...	10	R-cum.	...	10	str-cum. / R-cum.	SSE / ESE	10	str-cum. / cum.	SSW / ESE
„ 10, ...	10	cum.	...	10	R-cum.	SW	10	R-cum. / cum.	WSW / E	10	sm-cum. / R-cum.	W / SE
„ 11, ...	10	R-cum.	...	10	R-cum.	...	9	sm-cum. / R-cum.	SW / SE	3	R-cum.	S
„ 12, ...	10	cum.	...	10	cum.	SW	9	c-cum. / R-cum.	W / SSW	8	c-cum. / cum.	WSW / SSW
„ 13, ...	10	nim.	E	10	nim.	ESE	10	cum-nim.	E	10	nim.	E
„ 14, ...	10	cum-nim.	SE	10	cum-nim.	ESE	10	R-cum.	E	10	str-cum.	E
„ 15, ...	10	nim.	...	10	nim.	...	10	cum-nim.	E	10	R-cum.	E
„ 16, ...	10	R-cum.	...	10	R-cum.	...	10	str-cum.	...	10	str-cum.	...
„ 17, ...	10	nim.	E	10	nim.	E	10	nim.	E	10	cum-nim.	E
„ 18, ...	10	cum-nim.	...	10	cum-nim.	...	10	R-cum. / cum.	S / ESE	10	str-cum.	ESE
„ 19, ...	10	nim.	WNW	10	cum-nim.	WNW	10	str. / nim.	WNW	10	str-cum.	WNW
„ 20, ...	10	nim.	...	10	nim.	SW	10	str-cum.	S	10	str-cum.	S
„ 21, ...	10	nim.	...	10	nim.	...	10	cum-nim.	...	10	str-cum.	...
„ 22, ...	10	nim.	SE	10	cum-nim.	SE	10	cum-nim.	E	10	str-cum. / cum-nim.	SSW / E
„ 23, ...	10	nim.	SE	10	nim.	ESE	10	str-cum.	...	10	str-cum.	E
„ 24, ...	10	nim.	E	10	nim.	E	10	str-cum.	...	10	str-cum.	W
„ 25, ...	10	cum.	S	10	cum.	S	10	R-cum.	S	8	sm-cum. / cum.	SW / E
„ 26, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 27, ...	6	cum.	ESE	8	cum.	...	3	cum.	ENE	1	cum.	...
„ 28, ...	0	...	...	6	sm-cum.	W	3	cum.	...	7	sm-cum.	W
„ 29, ...	10	cum.	SE	8	sm-cum.	SW	9	sm-cum. / cum.	WSW / SE	7	R-cum.	E
.....	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	8.8	...	...	9.0	...	...	8.7	...	...	8.1	...	...

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	
1888.													
Feb. 1,.....	10	nim.	NNE	10	nim.	NNE	10	nim.	NNE	10	nim.	NNE	10.0
„ 2,.....	10	nim.	ENE	10	nim.	...	10	nim.	ENE	10	nim.	ENE	10.0
„ 3,.....	0	...	...	0	...	...	0	...	...	0	...	...	3.9
„ 4,.....	0	...	...	1	c-str.	WNW	0	...	...	10	cum.	E	1.4
„ 5,.....	10	cum.	E	10	str-cum.	WSW	10	str-cum.	...	10	str-cum.	...	10.0
„ 6,.....	10	R-cum.	E	10	str-cum.	...	10	str-cum.	...	10	nim.	...	10.0
„ 7,.....	10	str-cum.	WSW	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	10.0
„ 8,.....	10	str-cum.	NNE	10	str-cum.	NNE	10	str-cum.	...	10	str-cum.	E	10.0
„ 9,.....	10	str-cum. / cum.	SSW / ESE	10	R-cum.	ESE	10	R-cum.	ESE	10	str-cum.	SE	10.0
„ 10,.....	3	cum.	ESE	10	cum-nim.	SE	10	cum-nim.	ESE	10	cum-nim.	ESE	9.1
„ 11,.....	8	cum.	S	10	str-cum. / cum.	S	2	cum.	SSE	8	cum.	SE	7.5
„ 12,.....	10	R-cum.	SW	8	c-str. / cum.	SSW	10	cum.	...	10	nim.	...	9.4
„ 13,.....	10	nim.	E	10	nim.	E	10	cum.	ESE	10	cum-nim.	...	10.0
„ 14,.....	10	nim.	E	10	nim.	...	10	nim.	...	10	nim.	...	10.0
„ 15,.....	10	str-cum.	...	10	nim.	...	10	cum-nim.	...	10	cum-nim.	E	10.0
„ 16,.....	10	str.	...	10	nim.	WNW	10	str.	...	10	nim.	...	10.0
„ 17,.....	10	cum-nim.	E	10	nim.	E	10	cum-nim.	E	10	cum-nim.	E	10.0
„ 18,.....	10	nim.	ESE	10	cum-nim.	ESE	10	nim.	...	10	cum-nim.	...	10.0
„ 19,.....	10	str-cum.	WNW	4	sm-cum. / cum.	W	6	sm-cum.	W	10	sm-cum.	W	8.7
„ 20,.....	10	nim.	ENE	10	cum-nim.	ENE	10	cum-nim.	E	10	cum-nim.	E	10.0
„ 21,.....	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	10	nim.	...	10.0
„ 22,.....	10	cum-nim.	E	10	R-cum.	E	10	R-cum.	E	10	nim.	E	10.0
„ 23,.....	10	cum-nim.	E	10	nim.	E	10	cum-nim.	E	10	cum-nim.	E	10.0
„ 24,.....	10	str-cum.	SW	10	cum.	WSW	10	cum.	WSW	10	cum.	...	10.0
„ 25,.....	10	cum.	SW	10	cum.	SW	10	cum.	WNW	0	...	...	8.5
„ 26,.....	2	cum.	E	2	sm-cum.	E	0	...	...	0	...	...	0.5
„ 27,.....	0	...	...	0	...	...	0	...	...	0	...	...	2.3
„ 28,.....	3	cum.	S	4	cum.	SSE	10	cum.	SSE	10	cum.	SSE	5.4
„ 29,.....	9	cum.	SE	10	cum. / cum.	ESE	4	cum.	E	10	cum.	E	8.4
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	8.1	...	...	8.2	...	...	8.0	...	...	8.6	...	...	8.5

MARCH, 1888.

Fog—1st, 2nd, 9th, 12th, 13th, 14th, 17th, 18th, 24th, 26th, 27th and 28th.

Dew—2nd, 7th, 13th and 30th.

Lightning but no thunder heard—3rd, 18th and 19th.

Thunder but no lightning seen—3rd.

Lightning and thunder distant—6th 0.30 a., 21st 6 a. and 5 p. and 23rd 8 p.

Thunderstorms—4th, 1 a.–4a. in SW nearest (5s.) at 3.55 a. 4th, 1 p.–2 p. in W nearest (6s.) at 1.18 p. 24th, 3.30–5.30 a. WSW-NNE nearest (5s.) at 4.18 a. 25th, 5 a.–7 a., SE-NE, nearest (4s.) at 6.15 a. Occasional thunder was heard up to 9 a. 26th, 6 p.–27th, 5 a., NW-SE, a violent storm. It was nearest at 8.10 p. (2s.), at 8.49 p. (2s.) and at 8.54 p. (2s.). 29th, 11 a.–1 p. from NW round by S towards SE, nearest (9s.) at 12.23 p. 29th, 2p.–4p., NW-SE, a violent storm nearest at 5.14 p. (2s.), when a building was struck near the time-ball. The lightning was of a distinct magenta colour. 30th, 7 a.–noon, NW-SE, nearest at 8.16 a. (1s.), at 10.9 a. (3s.) and at 11.55 a. (2s.). 31st, 3a.–6a., W-SE, nearest (16s.) at 4.10 a.

Solar halo—13th and 23rd.

Lunar halo—24th.

The total distance traversed 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	457	54	8.5
NE	798	73	10.9
E	8304	479	17.3
SE	178	19	9.4
S	63	8	7.9
SW	33	8	4.1
W	121	22	5.5
NW	253	44	5.7
Calm	28	37	0.8

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF MARCH, 1888.

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.
Mar. 1, ...	29.916	29.907	29.896	29.879	29.878	29.892	29.904	29.920	29.924	29.933	29.925	29.906	29.886	29.859	29.837	29.824	29.837	29.842	29.851	29.860	29.877	29.882	29.887	29.876	29.883
„ 2, ...	.866	.856	.859	.847	.846	.855	.876	.890	.898	.910	.897	.885	.859	.826	.809	.808	.809	.817	.834	.856	.881	.894	.896	.896	.861
„ 3, ...	.892	.883	.871	.865	.862	.885	.908	.931	.953	.958	.948	.932	.912	.883	.865	.858	.870	.872	.879	.915	.922	.927	.931	.926	.902
„ 4, ...	.908	.901	.877	.888	.900	.931	.958	.988	30.016	30.037	30.045	30.035	30.014	30.027	.998	.995	.998	30.016	30.038	30.076	30.094	30.103	30.095	30.084	30.001
„ 5,	30.052	30.045	30.026	30.010	30.027	30.044	30.056	30.067	.078	.082	.075	.066	.051	.019	30.013	30.014	30.029	.038	.068	.098	.112	.109	.117	.116	.059
„ 6, ...	.125	.121	.122	.129	.135	.156	.174	.191	.210	.212	.209	.175	.139	.124	.096	.085	.088	.103	.119	.137	.163	.153	.136	.124	.143
„ 7, ...	.109	.111	.094	.075	.082	.092	.102	.108	.123	.128	.124	.081	.039	.006	29.999	29.963	29.959	29.955	29.973	29.994	.001	29.993	29.983	29.968	.044
„ 8, ...	29.957	29.949	29.926	29.915	29.917	29.926	29.942	29.981	29.991	29.987	29.970	29.930	29.893	29.870	.849	.842	.857	.870	.876	.900	29.908	.914	.912	.903	29.916
„ 9, ...	.880	.863	.852	.850	.863	.867	.881	.910	.932	.947	.941	.913	.880	.857	.848	.849	.860	.876	.898	.923	.959	.978	.977	.978	.899
„ 10, ...	.965	.955	.934	.931	.930	.960	.986	30.016	30.029	30.034	30.046	30.015	.993	.963	.931	.913	.929	.938	.939	.976	.988	.990	.998	.998	.973
„ 11, ...	.973	.965	.941	.932	.919	.940	.966	.007	.025	.022	.021	29.993	.970	.956	.946	.940	.940	.956	.939	.942	.923	.948	.948	.931	.960
„ 12, ...	.923	.911	.900	.892	.902	.931	.943	29.975	29.993	29.993	29.990	.966	.937	.915	.900	.898	.902	.901	.910	.931	.951	.958	.959	.953	.935
„ 13, ...	.943	.931	.917	.908	.917	.938	.963	.989	.998	30.002	.991	.969	.936	.910	.895	.885	.882	.889	.897	.918	.919	.925	.925	.923	.932
„ 14, ...	.910	.896	.877	.868	.874	.896	.923	.934	.955	29.963	.951	.922	.892	.867	.859	.851	.856	.856	.872	.872	.894	.902	.911	.915	.896
„ 15, ...	.909	.887	.882	.877	.880	.892	.928	.934	.944	.940	.950	.923	.902	.874	.856	.849	.843	.842	.855	.886	.900	.900	.906	.912	.895
„ 16, ...	.875	.862	.850	.846	.850	.863	.875	.895	.910	.903	.894	.882	.866	.841	.819	.824	.842	.843	.864	.875	.890	.914	.915	.902	.871
„ 17, ...	.902	.887	.873	.866	.873	.890	.915	.931	.938	.950	.940	.924	.899	.877	.865	.853	.859	.859	.882	.903	.914	.928	.930	.932	.900
„ 18, ...	.912	.895	.877	.870	.873	.893	.912	.922	.924	.940	.930	.902	.876	.853	.835	.830	.841	.862	.877	.894	.906	.926	.931	.943	.893
„ 19, ...	.952	.949	.943	.961	.969	.991	30.044	30.039	30.077	30.097	30.089	30.082	30.047	30.044	30.033	30.046	30.051	30.059	30.083	30.110	30.117	30.135	30.136	30.142	30.050
„ 20, ...	30.122	30.094	30.067	30.049	30.064	30.084	.090	.114	.117	.118	.106	.094	.050	.010	.014	.010	.011	.013	.014	.019	.029	.044	.034	.017	.058
„ 21, ...	.009	.004	29.985	29.958	29.942	.000	29.959	29.982	29.991	29.968	29.964	29.939	29.918	29.895	29.885	29.893	29.903	29.906	29.913	29.928	29.943	29.949	29.958	29.951	29.948
„ 22, ...	29.943	29.934	.937	.932	.939	29.957	.967	.993	30.010	30.014	30.004	.985	.957	.925	.892	.892	.905	.924	.938	.959	.991	30.030	30.052	30.036	.963
„ 23, ...	.969	.926	.896	.891	.906	.923	.961	.985	29.984	.003	29.983	.960	.939	.897	.891	.888	.894	.907	.940	.958	.944	29.916	29.923	29.892	.932
„ 24, ...	.886	.884	.885	.907	.915	.909	.900	.933	.935	29.931	.917	.881	.872	.845	.843	.841	.847	.848	.879	.898	.922	.932	.932	.924	.894
„ 25, ...	.909	.900	.861	.858	.881	.942	.956	.952	.973	.973	.963	.944	.909	.873	.856	.844	.846	.847	.855	.894	.909	.915	.921	.910	.904
„ 26, ...	.892	.882	.872	.861	.837	.855	.868	.892	.905	.912	.904	.880	.853	.821	.774	.769	.767	.770	.793	.786	.844	.840	.865	.859	.846
„ 27, ...	.795	.817	.823	.794	.816	.828	.855	.871	.884	.903	.889	.881	.834	.833	.820	.797	.808	.809	.825	.845	.867	.870	.865	.862	.841
„ 28, ...	.835	.821	.816	.807	.810	.831	.857	.875	.889	.895	.886	.867	.847	.817	.809	.799	.806	.815	.830	.856	.877	.884	.903	.899	.847
„ 29, ...	.887	.868	.842	.837	.852	.869	.889	.917	.935	.922	.929	.916	.881	.848	.844	.845	.856	.916	.817	.868	.882	.914	.922	.923	.882
„ 30, ...	.919	.852	.852	.845	.850	.872	.900	.918	.934	.962	.979	.960	.915	.910	.877	.873	.809	.837	.863	.893	.918	.932	.939	.935	.898
„ 31, ...	.927	.916	.903	.923	.909	.942	.961	.970	.982	.995	.994	.981	.963	.940	.928	.917	.920	.964	.943	.969	.984	.999	30.005	30.007	.956
Hourly Means, ...	29.937	29.925	29.911	29.906	29.910	29.931	29.949	29.969	29.982	29.988	29.982	29.961	29.933	29.909	29.893	29.887	29.891	29.902	29.912	29.934	29.949	29.958	29.962	29.956	29.935

TABLE II.

TEMPERATURE FOR THE MONTH OF MARCH, 1888.

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,	65.0	65.0	65.3	65.0	64.9	64.7	65.8	66.7	66.8	67.8	68.9	68.7	69.5	69.6	68.6	68.1	67.0	65.6	64.3	62.9	63.8	65.6	63.7	63.5	66.1	70.0	62.9
„ 2,	63.3	63.0	62.7	62.7	61.8	61.1	61.3	62.1	63.1	64.7	68.2	70.3	69.7	70.7	71.8	70.1	69.1	67.7	66.9	66.6	65.9	66.4	64.3	63.3	65.7	72.2	60.8
„ 3,	62.9	63.5	62.7	62.5	61.5	61.2	61.6	61.8	62.6	63.8	63.9	63.7	64.9	64.1	63.9	63.7	63.7	63.7	64.5	64.7	65.5	65.6	65.2	64.6	63.6	65.6	61.2
„ 4,	63.7	63.7	63.8	63.8	63.0	62.3	61.7	61.2	61.8	61.9	60.9	60.7	60.5	54.7	57.0	57.6	58.3	57.4	56.8	57.7	56.7	56.2	57.4	55.9	59.8	64.6	54.6
„ 5,	55.9	55.5	55.6	55.1	54.3	55.3	55.3	55.7	55.8	56.7	57.0	57.2	56.6	56.9	56.7	56.7	56.4	56.2	56.3	56.7	56.7	56.9	57.0	57.0	56.2	57.3	54.2
„ 6,	57.7	57.0	56.2	55.6	55.8	55.8	55.6	55.9	57.5	58.6	60.5	60.7	61.8	60.9	60.4	59.7	59.3	58.5	58.5	59.2	59.1	58.9	58.5	58.2	58.3	62.1	55.4
„ 7,	57.8	57.8	57.7	57.2	56.8	57.3	57.2	58.6	59.6	59.7	59.3	59.5	60.1	59.7	59.8	60.3	59.7	58.9	58.9	59.5	60.3	60.6	60.7	60.1	59.0	60.7	56.8
„ 8,	60.2	60.1	59.8	60.2	59.6	59.3	59.6	60.1	59.4	61.0	61.9	61.8	63.0	62.8	63.3	63.8	62.9	62.9	63.6	63.0	63.0	62.7	62.2	63.0	61.6	63.8	59.3
„ 9,	62.4	62.8	62.3	62.0	61.9	61.6	62.5	63.6	62.9	64.3	67.8	70.3	71.5	71.1	68.7	68.5	68.4	66.9	66.7	65.9	64.6	64.8	62.6	61.4	65.2	71.8	61.4
„ 10,	60.4	60.1	59.9	59.4	59.3	59.6	59.8	60.5	61.5	61.7	61.5	63.0	63.4	61.7	61.5	60.7	60.7	60.6	60.9	60.7	60.7	60.7	60.3	60.2	60.8	63.6	59.3
„ 11,	60.1	60.4	60.2	60.4	60.7	60.8	61.0	61.4	62.7	64.6	65.2	67.1	65.7	65.7	65.4	65.6	64.3	63.7	61.8	62.3	62.9	63.6	64.8	64.7	63.1	67.3	60.0
„ 12,	64.2	64.4	64.5	64.8	65.0	65.1	65.0	64.8	67.6	69.9	69.8	72.9	73.1	71.3	70.5	70.6	69.6	67.7	65.9	64.7	64.7	63.7	63.9	63.7	67.0	73.1	63.7
„ 13,	64.0	63.7	63.8	63.8	64.2	63.9	64.6	65.2	68.4	68.8	70.9	72.2	71.9	71.4	71.6	70.3	68.0	66.6	64.7	62.8	62.6	61.7	61.5	61.4	66.2	72.4	61.3
„ 14,	61.7	61.0	61.1	62.3	63.1	63.6	63.7	68.8	70.4	70.6	71.9	74.7	72.8	74.3	71.3	71.4	69.9	68.7	69.6	67.9	68.7	69.8	68.0	67.4	68.0	75.0	60.9
„ 15,	66.2	65.4	64.8	64.1	63.7	63.0	62.6	62.6	62.5	63.2	63.4	63.7	62.1	62.6	61.8	62.0	62.2	61.6	61.5	61.3	60.7	60.6	60.5	60.1	62.6	67.4	60.1
„ 16,	59.9	59.9	59.8	59.8	60.2	60.2	60.8	60.9	61.5	61.7	62.4	63.5	62.7	62.6	64.4	63.8	64.1	64.6	64.6	64.6	64.5	64.6	65.2	65.2	62.6	65.2	59.7
„ 17,	65.2	65.5	65.7	65.3	65.1	65.7	66.1	66.5	66.3	67.9	67.0	68.8	69.0	68.7	68.7	69.8	68.9	68.0	68.8	68.8	68.9	68.9	68.9	68.9	67.6	70.8	65.1
„ 18,	68.9	68.9	68.5	67.9	68.1	67.9	68.7	69.9	72.4	74.6	74.4	74.2	73.6	75.5	74.9	71.7	70.9	69.5	69.4	70.0	69.9	69.8	69.2	68.9	70.7	75.8	67.5
„ 19,	66.8	67.0	66.7	63.8	64.0	63.0	63.0	60.6	60.9	61.2	61.9	60.4	59.6	60.1	59.9	60.1	59.2	57.7	57.0	58.2	58.6	58.8	58.7	57.9	61.0	69.0	56.9
„ 20,	56.6	57.1	57.5	57.5	57.0	57.2	58.1	59.6	60.4	63.2	64.3	65.5	64.8	63.1	63.0	63.1	61.9	61.6	61.1	60.7	60.5	60.7	60.9	60.8	60.7	65.5	56.6
„ 21,	60.3	60.3	60.3	60.9	59.9	59.5	58.6	59.7	60.6	60.4	61.9	62.6	61.8	61.7	60.5	59.7	59.4	58.9	60.5	60.6	60.0	59.9	59.7	59.9	60.3	62.8	58.2
„ 22,	59.3	59.2	59.8	59.6	60.0	59.6	60.8	62.4	63.5	63.9	64.6	64.9	65.0	66.1	65.2	64.9	64.5	63.3	62.6	62.6	62.3	63.6	63.2	62.8	62.7	66.8	58.9
„ 23,	62.9	63.8	64.2	64.4	63.4	63.2	63.7	65.6	66.8	66.9	66.6	68.0	67.5	65.9	66.7	66.4	66.0	65.7	64.9	64.9	64.8	65.8	67.4	66.9	65.5	68.0	62.9
„ 24,	67.1	66.7	66.5	66.6	66.3	66.2	66.5	66.7	69.4	70.9	72.2	71.6	71.4	73.7	72.8	71.0	69.4	68.6	68.6	67.5	68.2	67.4	67.8	67.4	68.8	73.7	66.0
„ 25,	67.6	67.9	67.6	67.9	68.8	66.9	65.8	66.8	68.1	69.0	69.4	69.5	69.7	71.6	73.0	69.7	68.5	67.7	67.0	67.6	68.2	67.9	68.0	68.3	68.4	73.6	65.5
„ 26,	68.3	68.2	67.8	67.5	66.2	65.5	65.8	66.5	66.2	66.6	67.4	67.8	68.8	68.1	66.7	66.7	68.0	67.8	68.6	68.7	66.9	66.7	65.5	64.5	67.1	69.0	64.5
„ 27,	64.7	64.4	64.7	64.9	65.2	65.4	65.9	65.8	66.5	66.8	67.8	66.6	67.9	67.6	66.6	67.0	66.9	66.8	66.8	67.2	66.8	65.8	65.8	66.4	66.3	68.4	64.3
„ 28,	66.2	66.1	66.3	66.3	66.4	67.2	67.6	68.8	69.7	69.4	71.3	73.1	73.2	77.7	76.3	71.5	70.9	70.5	69.4	70.6	70.7	70.7	70.4	70.3	70.0	77.9	65.9
„ 29,	70.4	69.3	68.6	67.6	67.5	67.5	68.4	67.8	68.8	68.6	67.4	65.9	65.6	65.7	64.7	65.4	65.0	64.6	66.6	66.8	67.5	66.7	66.7	66.5	67.1	70.9	64.6
„ 30,	65.3	64.8	64.8	64.8	65.0	65.0	64.8	64.8	64.7	65.0	65.4	65.9	67.7	67.7	67.6	67.5	67.2	67.7	67.5	68.6	68.1	67.9	67.5	67.3	66.4	68.6	64.6
„ 31,	67.0	67.1	66.7	67.2	67.0	67.1	67.2	68.5	69.7	70.4	70.3	70.6	68.7	67.8	67.7	67.2	66.9	66.8	65.8	65.8	65.8	65.8	64.8	65.3	67.4	70.7	64.8
Hourly Means,	63.3	63.2	63.1	62.9	62.8	62.6	62.9	63.5	64.5	65.3	66.0	66.6	66.6	66.5	66.2	65.6	65.1	64.4	64.2	64.2	64.1	64.2	63.9	63.6	64.4	68.5	61.2

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF MARCH, 1888.

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,	60.9	60.9	61.0	60.9	60.9	60.7	61.5	61.8	61.9	62.6	64.5	64.8	65.3	65.7	65.5	65.4	64.9	63.8	63.4	62.5	63.0	64.4	62.2	62.4	63.0	116.9	60.5
„ 2,	62.3	62.2	61.9	62.0	61.2	60.6	60.9	61.9	63.0	64.6	65.2	66.1	65.9	66.4	66.8	65.9	65.8	65.4	65.1	64.8	64.4	65.1	63.2	62.3	63.9	120.7	59.0
„ 3,	61.9	62.0	61.2	61.0	60.2	60.0	60.2	60.1	60.5	61.1	61.1	60.9	61.8	61.3	61.4	61.2	61.4	61.6	61.9	62.4	62.9	63.4	63.1	62.9	61.5	117.7	60.8
„ 4,	62.5	62.8	62.9	63.6	62.9	61.5	58.7	56.6	56.3	55.2	53.6	52.7	51.8	51.8	51.4	50.8	50.0	50.6	50.4	50.4	49.9	49.7	50.7	50.6	54.9	88.6	52.4
„ 5,	50.6	50.1	50.0	49.6	49.7	50.3	50.7	51.8	52.2	52.8	53.2	53.1	52.6	52.8	52.7	52.6	52.1	50.6	52.0	51.8	52.3	52.5	52.4	52.6	51.7	87.9	53.5
„ 6,	52.8	52.6	52.8	52.5	52.8	53.2	53.6	54.7	55.4	55.5	57.1	56.8	57.7	57.9	57.1	56.7	55.5	55.1	55.1	55.3	55.4	55.5	54.4	54.9	55.0	104.6	55.0
„ 7,	54.7	54.9	54.4	54.2	53.5	53.3	53.3	53.9	54.8	54.8	54.3	53.7	53.8	53.4	54.2	55.1	55.0	55.0	55.7	56.0	56.8	57.0	57.2	57.1	54.8	114.8	57.7
„ 8,	57.3	57.2	57.1	57.0	56.4	55.1	55.5	56.4	56.1	57.1	57.6	57.8	58.7	58.4	58.8	59.9	59.5	59.8	59.9	59.8	59.8	59.7	59.2	59.9	58.1	105.1	56.7
„ 9,	59.6	59.9	59.7	59.9	60.0	59.9	60.2	60.8	60.6	61.5	63.3	64.5	65.3	64.8	64.3	64.2	64.2	63.8	63.6	62.7	62.3	63.5	60.9	58.8	62.0	125.4	58.7
„ 10,	58.2	57.5	57.1	56.6	56.3	56.6	56.7	56.9	57.8	57.0	57.2	57.9	57.8	56.8	55.8	55.1	55.0	54.8	54.7	55.3	55.5	56.8	56.8	56.6	56.5	98.5	57.9
„ 11,	55.7	55.6	54.6	54.5	54.5	54.6	55.4	55.6	56.1	57.1	57.8	59.0	58.7	58.8	59.0	59.9	59.8	59.8	58.3	58.2	58.5	59.4	60.7	60.6	57.6	119.5	57.2
„ 12,	60.5	60.9	61.7	61.8	62.1	62.4	62.6	62.7	64.4	65.7	65.6	67.6	67.4	66.0	65.8	65.6	65.3	64.8	64.0	63.4	63.4	62.9	63.6	62.7	63.9	122.7	59.5
„ 13,	63.0	62.6	62.6	62.5	62.8	62.2	62.9	63.5	65.3	65.5	66.3	66.8	66.7	66.2	66.3	65.9	65.0	64.4	63.5	62.1	61.8	61.0	60.8	60.7	63.8	132.6	59.7
„ 14,	60.9	60.1	60.2	61.2	62.0	62.4	62.6	65.8	66.7	65.9	66.9	68.0	67.4	68.3	66.9	66.9	66.3	65.1	65.6	64.0	64.7	64.8	63.9	64.0	64.6	129.8	58.0
„ 15,	63.2	63.0	62.7	62.3	62.1	61.4	61.9	62.0	61.8	61.8	61.7	61.9	60.8	60.9	60.5	60.3	60.1	59.9	60.0	60.4	59.8	59.6	59.3	59.2	61.1	113.0	59.5
„ 16,	58.7	58.7	58.5	58.8	58.7	59.0	59.5	59.7	59.7	59.8	60.7	61.1	60.8	60.6	61.8	61.7	61.5	62.0	62.6	62.9	62.9	63.0	63.7	64.0	60.8	100.9	58.7
„ 17,	64.0	64.8	65.0	64.6	64.3	65.2	65.5	65.6	65.5	67.0	66.5	67.5	67.7	67.7	67.6	68.1	67.5	67.2	67.8	67.9	68.0	68.4	68.4	68.3	66.7	115.5	63.8
„ 18,	68.4	68.4	68.1	67.5	68.0	67.6	68.4	69.4	70.6	71.5	71.3	70.9	70.8	71.8	71.2	69.9	69.7	68.8	69.3	69.7	69.5	69.3	69.2	68.9	69.5	128.8	66.6
„ 19,	66.4	65.5	64.3	62.5	61.6	61.6	60.6	58.4	58.1	57.9	58.0	56.3	57.7	56.9	56.2	56.6	56.4	55.6	54.8	54.1	54.9	55.8	55.0	54.1	58.3	85.0	55.7
„ 20,	53.4	53.7	54.0	53.9	53.2	53.3	53.9	54.8	55.3	56.7	57.2	58.7	57.8	57.0	56.7	57.0	55.9	55.8	56.8	56.0	55.9	56.4	57.3	57.2	55.7	125.2	56.7
„ 21,	57.1	57.3	56.7	57.7	57.5	57.6	57.8	57.8	58.5	58.6	59.2	59.7	59.0	59.8	58.9	57.8	58.0	58.3	58.9	58.8	58.7	58.4	58.2	57.9	58.3	98.2	57.5
„ 22,	57.8	57.7	57.5	57.4	57.8	57.2	58.2	58.9	59.6	60.0	60.8	61.1	61.0	60.9	60.8	60.3	59.5	58.8	58.8	59.0	59.2	59.8	60.0	59.6	59.2	117.1	54.8
„ 23,	58.9	59.7	59.8	59.6	59.3	59.3	59.6	59.7	60.5	60.7	60.5	61.4	61.1	60.3	61.6	62.0	62.2	62.6	62.4	62.7	62.7	63.4	64.2	64.3	61.2	125.5	58.8
„ 24,	64.3	64.2	63.7	64.3	64.4	64.5	64.6	64.8	65.7	65.9	67.0	66.7	67.4	68.5	67.7	68.3	67.4	66.8	66.9	65.9	66.9	66.5	67.0	66.7	66.1	127.6	62.8
„ 25,	66.8	67.2	66.9	67.1	67.5	65.0	64.8	65.0	65.9	66.0	66.1	66.7	66.9	68.0	68.7	66.8	65.9	65.0	64.9	65.6	66.4	66.1	66.4	66.7	66.3	121.2	64.3
„ 26,	67.0	67.1	66.9	66.8	65.8	65.2	65.6	65.9	65.5	65.5	65.8	65.9	66.9	66.6	65.8	66.3	67.1	66.9	67.0	67.6	66.5	65.4	64.0	63.1	66.1	115.3	64.7
„ 27,	63.4	63.1	63.4	63.6	64.3	64.4	64.9	65.2	65.8	66.0	67.0	65.8	66.8	66.3	65.7	66.1	66.0	66.0	66.6	66.7	66.4	65.7	65.7	66.2	65.5	117.6	63.7
„ 28,	66.0	65.9	66.0	66.0	66.1	67.0	67.0	68.0	68.8	68.9	70.2	71.2	71.0	73.4	72.9	70.6	70.2	70.0	68.9	70.2	70.2	70.6	70.4	70.3	69.2	120.8	65.8
„ 29,	70.3	69.1	68.2	67.1	66.7	66.5	67.3	67.0	67.7	67.7	66.5	65.4	65.1	64.8	63.8	63.5	63.8	63.9	64.8	65.6	65.9	65.7	65.8	65.8	66.2	86.2	63.2
„ 30,	64.7	64.3	64.3	64.4	64.7	64.8	64.7	64.2	63.9	64.5	64.8	65.3	65.9	65.8	65.8	65.8	65.5	65.8	65.9	66.6	66.1	66.0	65.6	65.6	65.2	87.2	63.9
„ 31,	65.4	65.6	65.2	65.3	65.2	65.3	65.5	66.2	66.6	67.2	66.6	66.6	65.6	65.0	64.9	64.8	64.8	64.6	64.0	63.6	63.7	63.6	63.4	63.7	65.1	127.4	64.9
Hourly Means,	61.2	61.1	60.9	60.8	60.7	60.6	60.8	61.1	61.6	62.0	62.4	62.6	62.7	62.7	62.5	62.3	62.0	61.7	61.7	61.7	61.8	61.9	61.7	61.5	61.7	112.8	59.7

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF MARCH, 1888.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1888.		
1 a	88	0.520	Mar. 1,.....	83	0.536
2 „	88	.518	„ 2,.....	90	.572
3 „	88	.512	„ 3,.....	88	.520
4 „	88	.512	„ 4,.....	71	.368
5 „	88	.510	„ 5,.....	72	.326
6 „	89	.510	„ 6,.....	80	.390
7 „	88	.512	„ 7,.....	75	.375
8 „	87	.514	„ 8,.....	80	.439
9 „	84	.517	„ 9,.....	83	.515
10 „	82	.519	„ 10,.....	75	.401
11 „	81	.523	„ 11,.....	70	.404
Noon.	79	.522	„ 12,.....	84	.554
1 p	79	.525	„ 13,.....	87	.562
2 „	80	526	„ 14,.....	83	.565
3 „	80	.524	„ 15,.....	92	.520
4 „	82	.525	„ 16,.....	90	.511
5 „	83	.522	„ 17,.....	95	.644
6 „	85	.521	„ 18,.....	94	.706
7 „	86	.524	„ 19,.....	84	.453
8 „	86	.524	„ 20,.....	71	.379
9 „	87	.529	„ 21,.....	88	.462
10 „	87	.531	„ 22,.....	80	.459
11 „	88	.529	„ 23,.....	77	.485
Midt.	88	.526	„ 24,.....	86	.607
			„ 25,.....	89	.619
			„ 26,.....	95	.629
			„ 27,.....	96	.619
			„ 28,.....	96	.704
			„ 29,.....	95	.633
			„ 30,.....	94	.607
			„ 31,.....	88	.590
Mean, ...	85	0.521	Mean,.....	85	0.521

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.
1888.														
Mar. 1,	...	...	...	...	...	...	0.1	...	0.1	0.1	...	...	...	0.3
„ 2,	...	...	...	...	0.1	0.8	0.9	1.0	1.0	1.0	0.4	...	...	5.2
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	0.2	1.0	1.0	...	...	...	0.2	0.2	1.0	0.7	...	...	4.3
„ 8,	...	...	0.1	...	0.1	...	...	0.1	...	...	...	...	...	0.3
„ 9,	...	...	...	...	...	...	0.2	0.1	0.5	...	0.1	...	...	0.9
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	0.2	0.1	...	0.1	...	...	...	...	...	...	0.4
„ 12,	...	...	...	...	...	...	...	...	0.7	1.0	1.0	0.3	...	3.0
„ 13,	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.4	...	9.5
„ 14,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	...	9.3
„ 15,	...	...	...	...	...	...	...	0.1	...	...	...	...	...	0.1
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	0.1	0.3	0.1	...	...	0.5
„ 18,	...	...	0.1	0.5	0.5	0.5	0.3	0.1	0.8	0.2	0.2	0.1	...	3.3
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	0.1	0.6	0.4	...	0.1	0.2	...	0.9	...	...	2.3
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	0.1	0.2	0.9	0.4	...	1.6
„ 23,	...	0.3	1.0	0.9	0.2	0.5	0.8	0.2	0.3	...	0.8	...	...	5.0
„ 24,	...	...	...	...	0.1	0.9	1.0	1.0	1.0	0.7	...	...	...	4.7
„ 25,	...	...	...	...	...	...	...	...	0.6	0.2	0.5	0.6	...	1.9
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	0.1	0.6	0.7	0.2	0.5	...	...	...	2.1
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	0.2	...	0.1	0.6	0.1	...	...	...	...	...	...	1.0
Sums, ...	...	1.2	4.4	4.7	3.8	5.8	6.1	5.6	7.7	7.2	7.4	1.8	...	55.7
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF MARCH, 1888.

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,	...	...	...	0·005	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	0·105	0·135	0·470	...	0.065	0·070	...	...	...	0·200	0·040	...	...	...	...	...	...	...	...	...	...	1·085
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	0·010	0·025	0·015	0·025	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·080
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	...	...	...	...	...	0·005
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 14,	...	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·005	...	...	0·010
„ 16,	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	0·200	0·015	0·005	0·065	0·005	...	0·010	...	...	...	...	...	...	0·005	0·005	0·035	0·065	0·005	...	...	...	...	...	...	0·415
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	0·025	0·225	0·225	0·005	0·010	0·010	...	...	...	0·005	0·035	0·010	0·265	...	...	0·015	...	...	...	...	0·830
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	0·445	0·065	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·510
„ 25,	...	...	...	...	...	0·460	0·190	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·650
„ 26,	...	...	...	...	...	...	...	...	0·005	0·075	...	...	...	...	...	...	...	...	...	1·200	1·570	0·140	0·380	0·210	3·580
„ 27,	0·175	0.225	0·430	0·120	0·250	0·050	...	...	...	0·015	...	...	...	0·015	...	...	0·010	...	0·015	0·005	...	...	...	...	1·310
„ 28,	0·005	...	0.015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·020
„ 29,	...	...	...	...	...	0·015	0·020	...	0·010	...	...	0·200	0·165	...	0·245	0·060	0·005	0·585	0·020	...	...	...	...	...	1·325
„ 30,	0·015	0·010	0·010	..	...	...	...	0·035	0·020	0·060	0·200	0·165	...	...	...	...	...	...	...	...	...	...	...	...	0·515
„ 31,	...	...	...	0·035	0·025	0·005	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·070
Sums,	0·395	0·255	0·460	0·330	0·895	1·315	0·475	0·130	0·120	0·165	0·200	0·365	0·365	0·065	0·285	0·105	0·345	0·595	0·035	1·220	1·575	0·145	0·380	0·210	10·430

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF MARCH, 1888.

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.		
Mar. 1	10	14	10	15	9	15	9	14	8	14	8	13	9	11	9	9	8	13	8	13	7	11	7	11	8	8	...	1	27	4	8	3	30	2	29	3	29	2	...	1	32	2	...	1	29	2	...	0	182	7.6
" 2	27	2	16	2	...	0	...	0	...	0	24	2	...	1	...	1	...	1	28	5	26	3	28	7	29	8	27	8	22	6	27	7	29	7	30	5	30	3	30	3	4	5	6	7	8	16	7	16	115	4.8
" 3	9	18	10	22	9	24	9	29	8	32	8	30	8	33	9	29	8	29	9	28	9	25	10	20	9	19	8	18	8	17	8	18	8	17	8	16	8	18	8	15	9	17	10	16	8	13	7	11	514	21.4
" 4	8	14	9	15	9	12	8	8	22	5	1	20	2	19	31	8	2	12	31	13	32	9	2	9	32	10	32	7	2	9	1	12	2	16	1	17	1	16	1	16	1	12	1	12	2	11	2	4	286	11.9
" 5	3	4	32	5	4	11	5	14	6	12	5	17	5	19	6	21	6	23	7	25	6	26	6	27	7	25	6	28	7	27	6	26	6	27	7	27	7	24	6	25	7	25	7	26	7	26	7	23	513	21.4
" 6	6	15	6	9	5	3	32	5	32	9	4	4	...	1	5	2	6	3	7	6	9	5	8	13	10	12	9	9	9	14	9	18	9	21	8	16	7	15	7	15	7	14	7	19	7	23	7	29	280	11.7
" 7	7	23	7	21	7	27	7	29	7	31	7	32	7	30	7	28	7	25	7	24	8	27	7	25	7	28	8	29	9	25	7	22	7	21	7	16	7	14	7	13	7	13	7	13	9	17	8	18	551	23.0
" 8	9	19	9	17	9	22	9	22	8	23	8	28	7	27	8	20	8	21	8	20	9	20	9	20	8	18	8	23	8	19	8	18	8	14	8	17	8	17	8	14	8	16	9	15	8	13	9	12	455	19.0
" 9	8	13	9	14	8	8	9	3	26	3	...	1	5	3	27	2	21	3	24	4	...	1	25	3	24	5	24	6	23	10	23	7	23	5	22	4	23	3	23	3	26	3	8	16	7	25	7	32	177	7.4
" 10	7	29	7	26	7	27	7	28	6	25	6	24	6	26	7	24	7	24	6	26	7	20	7	21	7	23	7	24	8	28	7	30	7	25	7	25	7	21	7	18	6	16	7	16	7	13	7	19	558	23.2
" 11	7	20	8	18	7	19	8	20	7	23	7	21	8	22	8	21	8	17	9	21	8	16	9	19	8	19	8	17	10	15	9	13	9	14	5	4	7	15	7	20	8	24	8	9	11	7	9	16	410	17.1
" 12	9	14	9	10	9	4	...	1	...	1	30	2	...	1	...	0	...	1	...	1	27	2	27	2	27	3	8	4	8	2	...	1	...	1	32	3	3	2	31	3	...	1	...	0	...	1	9	2	62	2.6
" 13	...	1	...	1	...	1	9	3	...	0	9	2	...	1	...	1	9	3	9	7	24	8	25	10	28	11	29	10	30	11	30	12	30	11	30	9	30	10	30	10	30	6	27	5	27	5	27	4	142	5.9
" 14	22	3	26	3	23	3	24	3	...	1	...	1	...	0	...	0	23	3	27	8	29	8	31	7	28	10	14	9	29	5	16	12	16	11	15	8	15	7	10	9	11	9	11	3	8	11	8	13	147	6.1
" 15	7	12	7	14	8	15	8	16	9	19	8	17	7	15	7	17	7	19	7	21	7	21	9	22	7	24	8	32	7	29	7	25	7	26	7	25	7	27	7	27	7	33	7	33	7	30	7	29	548	22.8
" 16	8	43	7	31	7	29	7	28	8	30	8	29	8	30	8	25	9	29	9	28	9	25	8	25	8	26	7	29	8	31	8	25	8	25	8	23	7	18	7	18	7	19	8	17	8	21	7	18	622	25.9
" 17	7	16	7	19	6	17	7	17	7	15	7	13	7	16	7	14	7	16	7	13	7	13	7	13	7	12	9	16	7	14	7	14	7	11	7	14	7	11	6	10	7	11	7	9	6	10	6	8	322	13.4
" 18	6	9	6	8	7	10	6	10	7	10	5	8	5	6	5	6	6	6	6	6	7	7	7	6	8	3	13	5	14	8	7	6	7	8	8	11	8	12	8	13	8	14	6	9	7	12	11	9	202	8.4
" 19	30	8	3	12	2	9	30	11	3	14	6	21	2	20	5	16	1	8	1	9	1	14	1	16	4	8	2	6	2	10	31	4	3	7	1	8	1	13	1	12	2	9	4	14	3	10	2	8	267	11.1
" 20	32	7	1	7	3	5	4	8	31	3	31	3	32	3	32	3	2	6	32	6	4	5	19	7	10	10	10	14	8	14	8	16	8	15	9	10	9	11	7	11	4	10	1	4	7	5	8	9	192	8.0
" 21	8	7	9	5	28	2	9	14	7	18	4	8	8	19	6	18	7	20	7	25	7	17	10	12	9	7	27	8	27	12	27	9	5	4	10	3	7	4	10	10	9	11	9	7	6	2	...	1	243	10.1
" 22	3	3	...	1	3	4	32	3	2	5	3	2	1	5	2	2	2	3	8	6	9	13	9	9	9	9	5	9	8	16	7	17	7	14	6	10	7	7	7	8	7	7	11	4	11	2	8	5	164	6.8
" 23	7	21	7	25	7	28	6	28	7	23	7	23	7	20	6	17	7	19	6	19	7	21	7	21	7	22	6	22	6	19	7	18	7	16	7	15	8	11	8	10	7	13	7	18	10	15	9	14	458	19.1
" 24	10	13	8	12	8	17	20	4	20	4	6	12	7	16	14	3	10	3	7	6	32	7	26	8	25	9	28	9	24	7	6	8	7	8	8	10	9	7	7	8	8	3	9	4	5	6	8	12	196	8.2
" 25	7	15	8	17	7	15	7	10	10	8	26	14	30	6	2	5	15	3	3	4	6	6	8	14	7	10	8	3	8	2	8	11	8	19	8	21	7	16	8	13	9	13	9	10	7	12	9	19	266	11.1
" 26	8	19	9	19	9	14	8	18	7	23	7	19	7	19	6	15	6	17	7	16	7	16	8	20	7	19	8	21	7	20	6	16	8	18	8	20	6	18	10	27	22	8	7	8	8	12	7	16	418	17.4
" 27	8	22	8	25	9	20	8	29	6	22	7	25	8	21	8	17	7	12	7	11	8	14	8	13	8	20	8	19	7	15	8	19	7	14	8	19	8	21	8	23	7	21	7	21	8	22	7	20	465.	19.4
" 28	7	19	7	20	7	16	7	16	8	18	6	13	6	14	5	13	6	10	6	10	6	9	5	8	8	6	15	10	10	7	7	10	7	11	7	13	7	16	6	11	7	13	7	14	7	11	7	11	299	12.5
" 29	7	12	7	16	8	21	8	20	8	22	8	19	7	17	7	21	7	19	7	20	7	19	7	16	8	26	8	28	7	23	9	23	8	30	7	18	9	44	9	35	9	24	9	20	8	17	7	16	526	21.9
" 30	8	24	8	25	7	22	8	24	8	25	7	19	8	26	7	27	8	19	7	14	8	10	10	9	8	12	7	11	7	14	7	15	8	25	7	20	8	10	8	5	28	3	...	1	27	2	27	2	364	15.2
" 31	19	2	7	2	7	2	28	4	10	5	8	4	8	3	8	8	7	12	6	17	7	18	6	16	7	17	7	13	7	15	8	16	8	14	6	13	8	17	6	18	7	19	7	19	7	20	6	17	291	12.1
Sums	...	441	...	436	...	422	...	439	...	443	...	446	...	450	...	393	...	399	...	432	...	416	...	429	...	439	...	448	...	448	...	451	...	457	...	423	...	430	...	124	...	394	...	370	...	392	...	413	10235	426.5
Hourly Means	...	14.2	...	14.1	...	13.6	...	14.2	...	14.3	...	14.4	...	14.5	...	12.7	...	12.9	...	13.9	...	13.4	...	13.8	...	14.2	...	14.5	...	14.5	...	14.5	...	14.7	...	13.6	...	13.9	...	13.7	...	12.7	...	11.9	...	12.6	...	13.3	330.2	13.8

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR MARCH, 1888.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	0.9	13.2	0.4	0.3	+0.5	+12.9	E 2° N
2 „	0.9	13.1	0.5	0.1	0.4	13.0	E 2° N
3 „	1.0	12.9	0.0	0.1	1.0	12.8	E 4° N
4 „	1.6	12.8	0.1	0.4	1.5	12.4	E 7° N
5 „	1.5	12.9	0.3	0.3	1.3	12.5	E 6° N
6 „	2.6	12.3	0.0	0.5	2.6	11.8	E 12° N
7 „	2.6	12.6	0.0	0.1	2.6	12.6	E 12° N
8 „	2.2	11.3	0.1	0.0	2.1	11.3	E 11° N
9 „	1.5	11.5	0.2	0.2	1.3	11.4	E 7° N
10 „	2.2	12.0	0.0	0.4	2.2	11.6	E 11° N
11 „	1.8	11.5	0.0	0.6	1.8	10.9	E 9° N
Noon.	1.9	11.2	0.6	1.0	1.3	10.2	E 7° N
1 p.	1.2	12.2	0.3	1.2	1.0	11.0	E 5° N
2 „	1.9	11.8	0.8	1.0	1.1	10.8	E 6° N
3 „	1.5	11.9	0.5	1.3	1.0	10.6	E 5° N
4 „	1.8	12.2	0.4	0.7	1.4	11.5	E 7° N
5 „	1.5	13.0	0.4	0.5	1.2	12.5	E 5° N
6 „	1.7	11.6	0.3	0.3	1.4	11.3	E 7° N
7 „	1.6	12.0	0.2	0.3	1.4	11.7	E 7° N
8 „	2.1	11.6	0.5	0.3	1.5	11.4	E 7° N
9 „	1.5	11.1	0.3	0.5	1.2	10.6	E 6° N
10 „	1.1	10.8	0.4	0.1	0.8	10.7	E 4° N
11 „	1.0	11.7	0.4	0.2	0.6	11.5	E 3° N
Midt.	0.7	12.6	0.2	0.1	+0.5	+12.5	E 2° N
Mean,.....	1.6	12.1	0.3	0.4	+1.3	+11.6	E 6° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AND RAINFALL AT VICTORIA PEAK, AND RAINFALL AT THE OBSERVATORY.

Date.	10 a.		4 p.		10 p.		Rain.		
	Direction	Force.	Direction	Force.	Direction	Force.	Peak.	Observatory.	Duration.
1888.							ins.	ins.	hrs.
March 1,.....	SE	4	S	3	S	4	...	0.010	...
„ 2,.....	SW	2	SW	3	SW	4	...	...	...
„ 3,.....	SW	4	SW	3	SW	4	0.75	0.845	4
„ 4,.....	ENE	4	N	4	NE	4	...	0.240	2
„ 5,.....	E	5	E	5	NE	5	...	0.080	6
„ 6,.....	NE	4	ENE	3	E	4	...	...	1
„ 7,.....	E	4	E	4	E	4	...	...	1
„ 8,.....	SE	5	SE	3	SE	4	...	...	...
„ 9,.....	SE	3	NW	2	N	3	...	...	1
„ 10,.....	E	5	E	4	E	4	...	...	...
„ 11,.....	E	3	SE	2	SE	4	...	0.005	1
„ 12,.....	SE	3	SE	2	SE	1	...	0.005	...
„ 13,.....	SE	2	WSW	2	SW	3	...	0.005	...
„ 14,.....	SW	2	SW	4	S	4	...	...	1
„ 15,.....	ESE	3	SE	5	SE	5	...	0.015	6
„ 16,.....	SE	6	SE	6	SE	6	...	...	3
„ 17,.....	S	5	S	5	S	5	...	...	...
„ 18,.....	S	4	S	3	S	3	0.60	0.300	4
„ 19,.....	NE	4	NE	4	NE	4	0.08	0.115	5
„ 20,.....	ENE	4	E	3	E	4	0.45	0.500	4
„ 21,.....	SE	3	NNW	4	N	2	...	0.330	4
„ 22,.....	N	2	E	4	E	4	...	...	...
„ 23,.....	E	4	E	5	E	4	0.47	0.510	2
„ 24,.....	SE	3	SE	2	SE	3	0.32	0.650	3
„ 25,.....	S	4	SE	3	SE	4	...	0.080	7
„ 26,.....	SE	5	SE	6	SE	5	5.10	4.750	14
„ 27,.....	SE	4	SE	5	SE	5	0.15	0.080	7
„ 28,.....	S	4	S	4	S	4	0.30	0.045	5
„ 29,.....	SE	5	E	5	E	5	1.35	1.430	11
„ 30,.....	SE	4	SW	3	S	4	0.21	0.435	4
„ 31,.....	E	4	E	4	E	5	...	0.010	4
Mean,.....	E 35° S	3.8	E 36° S	3.7	E 35° S	4.0	9.78	10.440	100

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1888.	ins.	ins.	ins.	°	°	°	°	°	°	°
March 1,.....	28.182	28.109	28.140	62.8	62.8	62.0	107.9	66.2	59.2	57.3
„ 2,.....	.153	.130	.122	62.7	65.0	63.2	118.1	67.5	59.7	58.4
„ 3,.....	.180	.166	.189	63.2	62.7	60.4	108.4	65.5	55.7	53.3
„ 4,.....	.228	.201	.212	57.6	56.7	55.0	82.8	62.3	53.5	45.8
„ 5,.....	.257	.207	.282	52.7	51.7	51.5	67.8	58.3	51.5	48.7
„ 6,.....	.383	.313	.295	51.7	54.7	52.4	112.2	57.2	51.3	47.4
„ 7,.....	.317	.206	.215	52.4	54.2	51.1	108.2	58.2	50.2	50.3
„ 8,.....	.201	.104	.144	54.9	60.0	57.4	121.6	60.2	51.1	50.3
„ 9,.....	.166	.133	.150	60.8	62.7	58.1	119.3	63.1	54.2	52.4
„ 10,.....	.231	.176	.182	56.1	56.5	55.7	120.0	61.5	54.2	51.3
„ 11,.....	.244	.208	.226	56.8	59.7	59.7	96.5	62.2	51.5	51.4
„ 12,.....	.204	.191	.202	62.0	66.0	64.1	124.3	67.2	56.2	57.1
„ 13,.....	.248	.240	.187	67.0	70.2	66.1	128.8	71.5	61.5	60.8
„ 14,.....	.229	.137	.119	69.1	63.8	63.5	126.3	70.5	63.5	61.0
„ 15,.....	.173	.164	.138	61.7	62.2	59.7	121.1	67.8	59.2	57.4
„ 16,.....	.111	.074	.112	62.1	64.4	63.7	125.4	67.2	58.3	52.7
„ 17,.....	.163	.143	.162	66.8	67.1	66.6	98.7	67.6	63.7	56.3
„ 18,.....	.191	.127	.176	67.5	68.2	67.0	119.1	68.5	60.3	56.3
„ 19,.....	.299	.273	.294	62.0	62.5	60.1	78.2	67.2	59.3	55.4
„ 20,.....	.306	.237	.229	56.7	58.5	57.8	111.7	64.6	55.5	50.4
„ 21,.....	.206	.126	.186	57.8	57.1	55.5	102.7	63.2	55.2	52.4
„ 22,.....	.216	.135	.188	57.7	59.0	56.8	113.4	60.3	55.2	53.3
„ 23,.....	.224	.158	.194	58.0	59.8	60.0	110.2	60.6	56.8	53.0
„ 24,.....	.186	.159	.156	63.2	64.8	63.8	125.9	65.5	56.3	55.3
„ 25,.....	.212	.147	.146	64.1	65.2	65.4	118.8	67.2	59.3	58.8
„ 26,.....	.142	.051	.039	65.8	66.7	65.0	120.0	67.5	61.5	61.3
„ 27,.....	.162	.100	.097	64.6	65.6	65.6	116.7	67.5	63.3	60.3
„ 28,.....	.164	.103	.125	68.7	68.8	67.8	101.5	69.2	63.2	61.3
„ 29,.....	.186	.131	.135	68.0	64.7	63.8	84.8	68.1	63.7	60.3
„ 30,.....	.210	.152	.079	65.2	65.1	66.8	93.6	69.2	63.7	61.6
„ 31,.....	.212	.181	.157	64.5	63.8	61.8	110.0	67.3	61.8	60.4
Mean,.....	28.212	28.161	28.170	61.4	62.3	60.9	109.5	65.2	57.7	55.2

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND VICTORIA PEAK.

Date. 1888.	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,.....	73	86	94	93	98	97	0.500	0.591	0.590	0.535	0.560	0.541
„ 2,.....	99	79	93	93	91	81	.609	.582	.604	.533	.562	.474
„ 3,.....	85	86	88	89	99	86	.504	.509	.556	.517	.565	.451
„ 4,.....	62	59	60	88	80	67	.348	.282	.272	.419	.372	.289
„ 5,.....	76	74	73	88	91	88	.349	.344	.339	.352	.348	.336
„ 6,.....	81	82	79	95	86	84	.401	.422	.397	.367	.372	.332
„ 7,.....	71	70	79	88	88	96	.366	.367	.419	.348	.370	.361
„ 8,.....	77	78	83	98	97	92	.417	.466	.474	.422	.504	.433
„ 9,.....	85	78	93	92	94	98	.510	.544	.570	.494	.536	.476
„ 10,.....	73	68	77	95	85	84	.404	.361	.411	.426	.388	.376
„ 11,.....	60	70	77	86	95	99	.369	.441	.452	.398	.487	.508
„ 12,.....	79	76	96	93	87	88	.578	.565	.564	.519	.556	.531
„ 13,.....	83	78	96	86	79	77	.585	.580	.529	.570	.585	.493
„ 14,.....	77	78	75	73	97	87	.575	.601	.548	.517	.577	.513
„ 15,.....	92	90	94	99	96	94	.535	.502	.499	.545	.542	.484
„ 16,.....	89	88	91	98	98	98	.491	.524	.556	.550	.592	.578
„ 17,.....	95	91	97	97	97	99	.651	.666	.689	.641	.644	.647
„ 18,.....	86	91	97	98	100	97	.732	.708	.710	.664	.691	.646
„ 19,.....	81	79	82	90	90	87	.438	.414	.407	.504	.509	.455
„ 20,.....	65	67	75	88	83	72	.375	.386	.400	.404	.408	.344
„ 21,.....	89	89	91	91	95	97	.470	.455	.471	.437	.445	.428
„ 22,.....	78	75	79	93	93	87	.467	.463	.465	.446	.468	.403
„ 23,.....	68	77	87	91	92	88	.450	.498	.554	.440	.476	.459
„ 24,.....	76	87	95	94	97	95	.572	.657	.639	.549	.594	.567
„ 25,.....	85	85	91	97	91	94	.600	.620	.619	.583	.569	.590
„ 26,.....	94	98	93	93	99	98	.615	.642	.610	.592	.649	.605
„ 27,.....	96	95	99	99	99	99	.630	.631	.633	.604	.625	.625
„ 28,.....	97	96	99	97	98	98	.701	.738	.749	.685	.691	.671
„ 29,.....	95	89	95	98	99	99	.668	.562	.620	.672	.606	.587
„ 30,.....	97	91	90	98	92	80	.601	.614	.615	.609	.571	.529
„ 31,.....	84	87	88	97	93	96	.625	.582	.560	.588	.554	.534
Mean, ...	82	82	87	93	93	90	0.521	0.526	0.533	0.514	0.530	0.492

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
1888.												
Mar. 1, ...	9	cum.	S	10	cum.	SSE	10	R-cum.	SE	10	R-cum.	S
„ 2, ...	10	cum.	...	10	cum.	S	...	fog.	...	10	cum. / fog.	W / ....
„ 3, ...	10	cum.	S	10	cum.	S	10	cum-nim.	...	9	cum. / R-cum.	W / ESE
„ 4, ...	10	cum.	...	10	nim.	W	10	str. / cum-nim.	...	10	str-cum.	NW
„ 5, ...	10	R-cum.	...	10	R-cum.	SE	10	R-cum.	ESE	10	str-cum.	E
„ 6, ...	10	nim.	E	10	nim.	E	10	cum-nim.	E	10	str-cum.	NE
„ 7, ...	10	cum.	...	10	cum.	...	6	sm-cum. / cum.	W / E	8	sm-cum. / cum.	W / E
„ 8, ...	10	cum.	...	10	cum.	S	4	sm-cum. / R-cum.	W / S	10	R-cum.	ESE
„ 9, ...	10	cum.	S	10	cum.	...	10	str-cum.	NW	10	str-cum.	W
„ 10, ...	10	cum-nim.	E	10	nim.	E	10	str-cum.	SSE	10	str-cum. / R-cum.	SW / E
„ 11, ...	10	cum.	...	10	cum.	...	10	R-cum.	SE	10	str-cum.	S
„ 12, ...	10	str-cum.	...	10	cum.	...	10	str-cum.	...	10	str-cum.	S
„ 13, ...	0	...	...	0	...	...	1	c-str.	W	6	c-str.	W
„ 14, ...	0	...	...	0	...	...	0	...	...	1	c-str.	W
„ 15, ...	10	cum-nim.	SE	10	cum-nim.	S	10	nim.	...	10	str-cum.	...
„ 16, ...	10	nim.	...	10	nim.	...	10	cum-nim.	...	10	cum-nim.	E
„ 17, ...	10	nim.	E	10	nim.	ENE	10	R-cum. / fog.	S / E	10	R-cum.	SSE
„ 18, ...	10	cum.	SE	10	cum.	...	9	cum. / fog.	S /	10	R-cum. / fog.	SSW / ....
„ 19, ...	10	nim.	N	10	nim.	N	10	cum-nim.	NNE	10	cum-nim.	NNE
„ 20, ...	10	cum.	NE	10	cum.	N	10	str-cum.	...	9	str-cum.	S
„ 21, ...	10	R-cum.	...	10	R-cum.	...	10	nim.	SE	10	nim.	WSW
„ 22, ...	4	cum.	...	8	cum.	...	10	R-cum.	NE	10	str-cum.	NE
„ 23, ...	10	cum.	...	10	cum.	...	5	c-cum. / R-cum.	W / E	8	c-str. / R-cum.	ESE
„ 24, ...	10	nim.	...	10	nim.	...	5	cum-str.	WSW	10	cum-str.	W
„ 25, ...	10	cum.	W	10	cum.	...	10	nim.	W	10	str-cum.	SW
„ 26, ...	10	nim.	...	10	cum-nim.	...	10	nim.	...	10	nim.	S
„ 27, ...	10	nim.	E	10	nim.	E	10	cum-nim.	...	10	nim.	S
„ 28, ...	10	nim.	...	10	nim.	...	10	cum. / fog.	S / E	10	R-cum. / fog.	S / E
„ 29, ...	10	nim.	S	10	nim.	S	10	cum-nim.	SE	10	nim.	ESE
„ 30, ...	10	nim.	SE	10	nim.	SE	10	nim.	E	10	nim.	...
„ 31, ...	10	cum.	W	10	nim.	...	10	str-cum.	W	10	R-cum.	ENE
Mean, ...	9.1	...	...	9.3	...	...	8.7	...	...	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	
1888.													
Mar. 1,.....	10	cum.	S	10	cum.	SSW	10	cum.	...	10	cum.	SSW	9.9
„ 2,.....	9	cum.	WSW	9	str.	...	10	str.	...	10	cum.	...	9.7
„ 3,.....	10	cum.	ESE	10	str-cum. / cum-nim.	WNW / ESE	10	cum-nim.	ESE	10	cum-nim.	ESE	9.9
„ 4,.....	10	str-cum.	NW	10	str-cum.	NW	10	str.	...	10	str.	...	10.0
„ 5,.....	10	str-cum.	E	10	cum-nim.	E	10	R-cum.	E	10	R-cum.	...	10.0
„ 6,.....	10	str-cum.	NE	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	10.0
„ 7,.....	10	sm-cum. / cum.	W / E	0	...	...	9	cum.	...	10	cum.	...	7.9
„ 8,.....	9	sm-cum. / cum.	W / SSE	10	str-cum.	SSW	10	cum.	S	10	str.	...	9.1
„ 9,.....	10	str-cum.	WNW	10	cum.	NW	10	R-cum.	...	10	nim.	...	10.0
„ 10,.....	10	str-cum. / cum.	SW / E	10	str.	...	10	cum.	SW	3	cum.	SW	9.1
„ 11,.....	10	str-cum.	S	10	str-cum.	SW	10	str-cum.	SSW	10	str-cum.	S	10.0
„ 12,.....	10	str-cum.	SSW	3	c-str. / cum.	SW	0	...	...	0	...	...	6.6
„ 13,.....	6	c-str.	W	1	c-str.	...	0	...	...	0	...	...	1.7
„ 14,.....	0	...	...	5	c-str. / cum.	WSW / SSW	10	cum.	SSW	10	R-cum.	S	8.3
„ 15,.....	10	nim.	...	10	cum-nim.	...	10	nim.	...	10	nim.	...	10.0
„ 16,.....	10	cum-nim.	E	10	str-cum. / cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	10.0
„ 17,.....	10	R-cum.	SSE	10	cum. / cum.	S / ESE	10	cum.	S	10	R-cum.	SSE	10.0
„ 18,.....	10	cum.	SSW	8	cum. / cum.	SSW / E	10	cum.	SW	3	cum.	WNW	8.7
„ 19,.....	10	nim.	...	10	nim.	N	10	nim.	NNE	10	cum-nim.	...	10.0
„ 20,.....	10	str-cum.	...	8	c-str. / sm-cum. / cum.	W / N /	10	str-cum.	...	10	cum.	...	9.6
„ 21,.....	10	cum-nim.	WSW	10	nim.	W	10	cum-nim.	W	8	cum.	W	9.8
„ 22,.....	10	str-cum.	...	8	c-str. / sm-cum. / cum.	WSW / E	8	sm-cum. / cum.	WSW / E	10	cum.	E	8.5
„ 23,.....	8	sm-cum. / cum.	SSW / E	10	c-str. / sm-cum. / cum.	SW / E	10	sm-cum. / cum.	SW / E	10	cum.	E	8.9
„ 24,.....	10	c-str. / cum.	WSW /	10	c-str. / cum.	SW	10	sm-cum. / cum.	SW	10	sm-cum. / cum.	SW	9.4
„ 25,.....	10	str-cum.	SW	10	c-str. / cum.	SW	10	cum.	E	10	sm-cum. / cum.	W / E	10.0
„ 26,.....	10	cum-nim.	SE	10	nim. / fog.	...	10	cum-nim.	SE	10	nim.	S	10.0
„ 27,.....	10	cum-nim.	...	10	cum-nim.	ESE	10	nim.	...	10	cum-nim.	SE	10.0
„ 28,.....	10	cum.	S	10	cum. / cum.	S	10	cum. / fog.	S /	10	cum. / fog.	S /	10.0
„ 29,.....	10	nim.	SE	10	cum. / cum-nim.	SSE	10	cum-nim.	ESE	10	cum-nim.	...	10.0
„ 30,.....	10	str-cum. / cum.	SSW / E	10	str-cum.	SW	10	sm-cum. / cum.	SW	10	cum.	...	10.0
„ 31,.....	10	cum-nim.	E	10	cum. / cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	10.0
Mean,.....	9.4	...	...	8.8	...	...	9.3	...	...	8.8	...	...	9.1

APRIL, 1888.

Fog—6th, 13th, 14th, 18th, 19th, 20th and 21st.

Dew—20th, 21st, 24th, 25th and 26th.

Lightning without thunder—5th, 7th, 8th, 13th, 15th, 19th, 25th, 28th, 29th and 30th.

Thunder without lightning—13th and 29th.

Lightning with thunder—6th $3^{h.}$–$4^{h.}$ $30^{m.}$ a., 9th $0^{h.}$ $30^{m.}$–$1^{h.}$ $30^{m.}$ a., 17th $5^{h.}$–$7^{h.}$ p.

Thunderstorms—6th, $1\frac{1}{2}^{h.}$–$3\frac{1}{2}^{h.}$ p. W-E nearest (4s.) at $2^{h.}$ $23^{m.}$ p.; 10th, $2^{h.}$–$5^{h.}$ a. S-NW nearest (4s.) at $2^{h.}$ $45^{m.}$ a., and at $3^{h.}$ $10^{m.}$ a.; 10th, $7\frac{1}{2}^{h.}$–$9\frac{1}{2}^{h.}$ p. in NW and S nearest (4s.) at $7^{h.}$ $51^{m.}$ p.; 11th, $1^{h.}$–$8^{h.}$ a. NW-SE nearest at $1^{h.}$ $40^{m.}$ a. (18s.), at $2^{h.}$ $10^{m.}$ a. (10s.), at 3 a. (10s.) at $4^{h.}$ $18^{m.}$ a. (12s.); 12th, $4\frac{1}{2}^{h.}$–$5\frac{1}{2}^{h.}$ p. SW-E nearest (5s.) at $4^{h.}$ $43^{m.}$ p.

Solar halo—10th; Solar Corona—29th; Lunar halo—26th.

The total distance traversed 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	16	4	4.0
NE	633	53	11.9
E	5820	337	17.3
SE	470	59	8.0
S	1840	162	11.4
SW	500	38	13.2
W	291	36	8.1
NW	117	20	5.8
Calm	4	11	0.4

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF APRIL, 1888.

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.
Apr. 1, ...	29.999	29.992	29.988	29.990	29.996	30.033	30.042	30.055	30.058	30.053	30.034	30.002	29.979	29.950	29.928	29.921	29.932	29.948	29.957	29.966	29.978	29.992	30.001	30.010	29.992
„ 2, ...	30.007	.988	.986	.984	30.002	.019	.012	29.955	.012	.020	.015	29.980	.967	.941	.919	.908	.908	.910	.938	.948	.968	.977	29.981	29.985	.972
„ 3, ...	29.962	.949	.937	.947	29.953	29.971	29.988	.994	29.997	29.994	29.963	.941	.916	.897	.880	.876	.879	.882	.899	.924	.939	.952	.940	.916	.937
„ 4, ...	.891	.878	.871	.865	.856	.877	.897	.920	.913	.907	.900	.867	.831	.804	.802	.796	.779	.787	.812	.825	.845	.846	.840	.819	.851
„ 5, ...	.802	.788	.763	.773	.763	.758	.770	.782	.824	.809	.807	.787	.761	.735	.716	.710	.714	.722	.743	.754	.779	.782	.776	.771	.766
„ 6, ...	.761	.739	.733	.730	.729	.755	.764	.771	.771	.801	.797	.777	.749	.719	.680	.687	.696	.694	.695	.708	.746	.763	.767	.769	.742
„ 7, ...	.755	.732	.714	.710	.719	.724	.739	.756	.763	.754	.739	.725	.696	.656	.641	.639	.642	.655	.684	.705	.736	.755	.753	.736	.714
„ 8, ...	.709	.686	.685	.681	.686	.687	.699	.715	.730	.729	.731	.713	.679	.646	.630	.618	.617	.636	.662	.708	.720	.758	.745	.735	.692
„ 9, ...	.723	.696	.682	.683	.696	.722	.742	.761	.756	.741	.734	.717	.674	.636	.602	.585	.592	.610	.640	.665	.669	.681	.668	.650	.680
„ 10, ...	.649	.629	.642	.636	.689	.722	.697	.776	.804	.790	.795	.764	.740	.773	.758	.719	.699	.682	.740	.800	.825	.823	.819	.794	.740
„ 11, ...	.781	.804	.772	.755	.691	.788	.801	.805	.839	.838	.840	.789	.708	.743	.720	.726	.730	.753	.777	.794	.830	.866	.876	.861	.787
„ 12, ...	.841	.813	.790	.790	.792	.805	.820	.846	.869	.883	.869	.860	.828	.796	.779	.764	.777	.793	.794	.811	.829	.841	.845	.849	.820
„ 13, ...	.853	.836	.826	.807	.822	.821	.860	.859	.866	.872	.866	.858	.834	.816	.807	.819	.796	.791	.796	.800	.818	.827	.827	.812	.829
„ 14, ...	.794	.770	.739	.721	.722	.742	.751	.761	.770	.768	.758	.729	.707	.685	.665	.649	.646	.656	.669	.685	.722	.737	.739	.732	.722
„ 15, ...	.721	.701	.686	.685	.689	.688	.720	.738	.757	.750	.743	.717	.699	.677	.652	.646	.640	.665	.676	.694	.726	.748	.762	.751	.705
„ 16, ...	.739	.741	.737	.735	.746	.774	.795	.823	.843	.846	.830	.817	.799	.778	.766	.759	.757	.782	.794	.811	.824	.845	.859	.843	.793
„ 17, ...	.841	.820	.796	.805	.809	.819	.830	.860	.875	.879	.871	.878	.846	.823	.813	.799	.806	.808	.840	.877	.893	.905	.910	.906	.846
„ 18, ...	.896	.868	.851	.850	.852	.866	.882	.890	.901	.901	.897	.894	.871	.852	.835	.820	.838	.852	.873	.878	.896	.909	.904	.872	.873
„ 19, ...	.852	.843	.842	.840	.856	.877	.898	.901	.903	.897	.895	.879	.851	.814	.807	.800	.787	.799	.817	.835	.862	.869	.865	.847	.851
„ 20, ...	.840	.820	.812	.817	.834	.857	.872	.906	.911	.915	.905	.886	.867	.846	.838	.826	.834	.840	.853	.866	.880	.889	.888	.878	.862
„ 21, ...	.863	.853	.852	.851	.863	.872	.906	.919	.929	.932	.924	.916	.891	.863	.843	.832	.826	.830	.837	.846	.866	.873	.871	.855	.871
„ 22, ...	.835	.817	.800	.804	.809	.830	.847	.862	.865	.862	.842	.827	.807	.780	.763	.742	.739	.736	.745	.756	.779	.784	.785	.767	.799
„ 23, ...	.754	.732	.716	.717	.723	.727	.734	.742	.779	.784	.775	.753	.726	.703	.686	.686	.680	.687	.697	.729	.731	.742	.750	.740	.729
„ 24, ...	.734	.718	.708	.698	.702	.723	.756	.796	.812	.819	.805	.795	.778	.758	.743	.724	.721	.746	.765	.770	.788	.814	.817	.801	.762
„ 25, ...	.791	.767	.765	.756	.760	.771	.793	.811	.842	.846	.852	.846	.827	*.811	*.798	.787	.785	.780	.807	.826	.844	.854	.870	.871	.811
„ 26, ...	.863	.838	.817	.820	.828	.828	.842	.868	.883	.894	.890	.876	.858	.842	.825	.810	.808	.818	.824	.839	.840	.846	.836	.824	.842
„ 27, ...	.813	.801	.792	.783	.792	.804	.823	.844	.854	.862	.870	.849	.833	.811	.779	.764	.761	.766	.775	.783	.801	.819	.815	.798	.808
„ 28, ...	.784	.768	.759	.745	.752	.766	.783	.806	.817	.820	.816	.806	.784	.762	.741	.729	.720	.725	.734	.760	.755	.764	.755	.752	.767
„ 29, ...	.747	.739	.723	.720	.728	.741	.748	.776	.779	.787	.776	.771	.756	.728	.703	.688	.693	.713	.725	.750	.783	.803	.807	.793	.749
„ 30, ...	.782	.768	.753	.762	.775	.786	.800	.820	.833	.830	.835	.833	.825	.811	.772	.758	.757	.786	.799	.818	.834	.835	.826	.815	.801
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	29.813	29.796	29.785	29.782	29.788	29.805	29.820	29.837	29.852	29.853	29.846	29.828	29.803	29.782	29.763	29.753	29.752	29.762	29.779	29.798	29.817	29.830	29.830	29.818	29.804

* Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF APRIL, 1888.

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.
April 1,	65.1	64.9	64.5	63.7	63.4	63.8	63.7	64.3	64.9	64.9	66.7	66.6	66.1	65.8	65.8	65.7	65.2	65.0	64.4	64.0	63.3	61.1	59.7	60.5	64.3	66.7	59.6
„ 2,	59.7	59.5	59.3	59.3	59.3	59.9	60.7	61.7	62.6	63.1	64.4	65.1	64.9	64.8	65.4	66.5	65.7	65.7	64.3	63.4	63.4	63.6	63.4	63.0	62.9	66.8	58.9
„ 3,	63.0	62.8	62.4	62.3	61.5	61.5	60.6	62.6	64.7	66.3	66.3	67.8	67.1	66.8	66.4	66.0	65.4	64.8	64.7	64.8	64.7	64.5	64.3	64.0	64.4	67.8	60.2
„ 4,	63.8	63.8	63.8	63.3	63.0	63.3	63.7	64.2	64.6	66.2	66.0	66.8	65.7	64.7	64.7	65.0	64.9	64.7	64.6	63.8	63.8	63.7	63.8	63.9	64.4	66.8	62.8
„ 5,	64.1	63.9	64.4	64.3	64.4	64.3	64.6	64.7	65.6	66.6	66.4	66.4	66.5	66.3	66.1	66.5	65.9	65.8	66.3	66.6	66.8	67.6	67.9	68.3	65.8	68.5	63.9
„ 6,	68.3	68.6	69.4	69.0	70.1	70.2	70.8	71.2	71.5	70.4	70.5	69.5	69.5	68.1	73.2	71.4	70.5	69.3	68.7	68.8	68.7	68.5	68.4	67.3	69.7	73.2	67.3
„ 7,	66.7	66.3	65.9	66.2	66.4	66.4	67.8	68.8	73.7	71.5	75.8	77.8	76.2	77.7	72.2	75.8	75.7	76.0	72.7	70.5	68.6	67.8	67.3	67.1	70.9	78.2	65.8
„ 8,	66.9	66.7	66.9	67.2	68.0	68.4	68.8	69.6	71.9	77.1	78.0	78.2	79.5	79.7	78.3	76.0	76.5	77.7	77.1	70.3	67.0	67.3	67.1	67.5	72.2	79.7	66.7
„ 9,	67.3	67.3	67.6	67.8	67.3	67.6	67.9	68.6	69.3	69.6	71.1	78.0	77.4	77.7	78.0	78.6	78.3	78.2	77.8	78.0	78.6	76.7	76.6	76.2	73.4	78.6	67.1
„ 10,	75.8	76.2	69.0	69.0	67.7	68.7	66.8	67.7	68.1	70.3	69.4	70.2	71.3	69.8	68.7	68.1	68.7	68.0	68.2	68.6	68.5	67.8	66.9	66.5	69.2	76.4	66.5
„ 11,	67.1	67.2	67.6	66.4	67.7	66.3	66.6	66.3	66.8	67.4	66.9	66.8	66.7	68.3	68.0	68.3	67.5	66.4	66.6	65.8	65.7	65.6	65.5	65.9	66.8	68.3	65.5
„ 12,	65.7	65.5	65.3	65.6	65.5	65.5	65.6	65.6	65.5	65.6	65.4	65.3	65.6	65.3	65.4	65.5	64.0	63.7	65.5	65.6	65.0	66.3	66.4	66.8	65.5	66.8	63.5
„ 13,	66.4	66.1	66.3	66.2	66.3	66.3	66.7	67.0	67.6	67.8	69.4	67.4	67.4	68.4	68.5	69.1	69.0	69.4	69.0	70.0	70.5	70.8	71.2	71.5	68.3	71.6	66.1
„ 14,	72.1	72.5	72.5	72.4	73.4	73.2	73.8	73.4	77.3	75.6	76.8	79.7	79.2	78.8	78.1	78.5	78.1	77.7	77.7	77.7	78.7	78.2	77.8	78.2	76.3	79.7	71.5
„ 15,	77.6	77.3	76.6	75.9	74.9	74.4	74.7	76.4	76.7	77.6	80.1	79.3	79.2	77.5	77.6	75.7	76.0	76.4	77.2	76.0	72.7	70.9	70.4	69.6	75.9	80.1	69.6
„ 16,	69.5	69.5	68.9	68.9	68.5	68.8	68.0	68.6	67.8	67.9	71.4	71.0	70.4	70.5	69.7	69.8	68.9	67.7	67.4	67.6	66.8	66.6	66.6	66.9	68.7	71.5	66.5
„ 17,	67.1	66.9	67.0	67.4	67.5	67.8	67.8	67.9	68.1	69.5	71.4	70.8	70.1	69.8	68.9	68.7	68.4	68.7	68.8	68.5	69.2	70.2	70.6	70.5	68.8	72.1	66.8
„ 18,	70.0	70.1	70.2	70.3	70.3	71.1	71.3	72.6	73.8	74.9	76.4	77.9	78.6	75.7	75.8	74.3	73.7	72.7	72.0	72.7	72.1	72.2	71.8	72.5	73.0	78.7	70.0
„ 19,	72.2	71.9	72.7	73.4	73.3	74.0	74.9	73.8	75.5	73.6	73.2	73.3	71.7	71.4	71.6	71.7	70.9	69.8	69.7	69.9	69.9	69.6	69.4	69.4	71.9	75.5	69.3
„ 20,	69.9	69.7	68.6	68.4	68.8	68.8	70.6	72.0	73.6	74.9	76.4	78.2	79.6	76.9	79.7	77.1	76.4	74.7	73.2	72.7	72.7	72.6	72.1	72.0	73.3	80.2	68.4
„ 21,	71.7	71.6	71.6	71.3	71.3	71.8	73.6	75.6	76.3	75.8	77.1	76.4	78.3	79.3	81.6	81.1	79.8	77.8	76.9	75.8	75.9	76.7	77.2	75.5	75.8	81.8	71.2
„ 22,	74.9	75.6	75.4	75.2	75.2	76.6	76.6	78.7	79.9	80.5	80.8	81.2	80.6	80.8	80.5	80.2	79.2	77.5	76.7	75.6	76.4	77.1	76.7	77.0	77.9	81.2	74.9
„ 23,	76.8	76.9	76.3	77.2	76.6	76.1	77.5	78.9	80.4	81.6	83.6	82.8	82.6	81.7	82.0	81.1	79.2	78.5	77.7	77.8	77.8	77.7	77.7	77.1	79.0	83.6	75.6
„ 24,	77.3	77.1	77.2	77.1	77.0	77.3	78.8	79.3	79.8	79.8	81.2	82.6	82.9	82.8	83.6	81.7	80.9	77.5	77.7	77.2	78.5	77.7	75.7	77.6	79.1	83.7	75.7
„ 25,	76.9	76.2	75.8	76.2	76.3	78.2	79.0	80.2	81.5	82.2	82.1	83.1	81.8	82.8	82.2	82.1	80.4	78.8	78.7	77.3	77.5	76.9	76.1	76.4	79.1	83.5	75.5
„ 26,	76.6	76.0	76.0	75.6	76.0	75.6	76.7	79.5	80.2	80.5	82.8	81.0	79.8	79.6	80.2	78.9	78.9	76.9	76.8	76.2	76.1	75.6	75.6	75.5	77.8	83.0	75.0
„ 27,	75.2	75.3	75.1	75.2	75.4	75.8	77.5	78.7	80.3	83.4	81.5	83.5	82.9	83.8	82.6	81.1	81.0	79.9	78.6	78.7	77.8	77.8	77.7	76.7	79.0	84.1	75.0
„ 28,	76.8	77.3	76.9	77.1	77.3	78.0	79.6	80.7	80.4	82.3	82.4	84.7	82.8	83.7	83.1	82.8	81.0	79.9	79.0	78.8	79.1	78.8	77.3	77.5	79.9	84.7	76.7
„ 29,	78.8	78.8	78.3	78.7	79.2	79.4	80.6	81.7	82.0	83.0	84.8	83.6	83.7	84.0	83.8	83.8	83.4	81.1	79.9	79.9	80.4	79.9	79.8	79.8	81.2	84.8	77.5
„ 30,	79.0	79.0	78.3	77.7	78.2	78.1	80.3	80.9	82.3	82.9	82.0	83.5	82.4	83.2	82.6	81.3	80.5	77.9	78.8	77.9	77.2	77.4	77.1	77.2	79.8	83.6	77.1
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	70.7	70.7	70.3	70.3	70.3	70.6	71.2	72.0	73.1	73.8	74.7	75.3	75.0	74.9	74.8	74.4	73.8	72.9	72.6	72.0	71.8	71.6	71.3	71.3	72.5	76.7	69.0

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF APRIL, 1888.

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.
April 1,	63.5	62.9	62.4	61.9	61.7	61.7	61.3	61.1	61.1	60.7	61.8	61.1	60.9	60.8	60.6	60.8	59.6	59.5	59.4	59.0	58.7	58.6	58.3	58.0	60.6	121.5	60.0
„ 2,	57.2	56.6	56.7	56.7	56.8	57.5	58.1	59.2	59.8	60.3	61.1	62.1	61.7	62.3	62.5	63.2	62.7	62.3	61.7	61.3	61.4	61.9	62.3	62.1	60.3	105.9	56.7
„ 3,	61.5	61.3	60.9	60.7	60.6	59.4	58.8	59.7	60.0	60.9	61.1	62.6	62.5	62.2	60.2	60.1	60.6	60.8	60.9	60.9	60.9	61.6	61.6	61.0	60.9	128.2	57.6
„ 4,	60.7	60.6	60.6	60.4	60.4	60.5	60.6	61.0	61.0	61.5	61.4	62.6	61.7	60.8	61.2	61.3	61.4	62.0	62.7	62.8	62.8	62.8	62.8	62.8	61.5	122.8	62.0
„ 5,	62.9	62.9	63.2	63.5	63.7	63.8	63.9	64.0	64.5	65.0	65.0	65.0	65.3	65.4	65.1	65.1	65.1	65.4	65.8	65.8	66.2	66.6	67.1	67.3	64.9	95.1	62.6
„ 6,	67.3	67.9	68.6	68.2	69.3	70.1	70.7	71.0	70.9	69.9	69.9	67.7	67.0	66.8	71.2	69.5	68.9	67.7	67.4	67.4	67.1	66.8	66.6	65.8	68.5	116.5	66.3
„ 7,	65.2	65.0	65.2	65.7	65.9	66.0	66.9	67.9	70.9	69.7	72.4	73.3	72.8	73.2	70.6	72.8	73.1	73.1	71.7	69.2	66.8	65.9	65.2	65.6	68.9	129.7	66.7
„ 8,	65.5	65.6	65.9	66.3	67.1	67.4	67.8	68.0	70.3	74.3	74.7	74.8	75.4	75.1	74.8	74.7	74.3	74.6	74.5	68.9	65.8	65.9	65.8	65.6	70.1	135.9	66.0
„ 9,	65.7	65.7	65.9	66.1	65.7	65.9	66.2	66.5	67.2	67.5	68.7	74.7	74.6	74.8	75.0	74.8	74.4	73.8	73.9	73.8	73.7	73.8	73.8	73.7	70.7	119.6	65.6
„ 10,	73.5	73.7	67.7	67.4	66.5	67.4	65.2	65.8	65.9	67.4	67.1	67.6	67.8	67.6	66.9	66.3	66.7	66.6	66.7	66.9	66.7	66.6	65.8	65.5	67.3	130.6	65.9
„ 11,	66.1	65.4	66.8	65.5	65.9	65.2	65.7	65.6	65.6	65.8	65.7	65.5	65.8	66.3	65.9	66.0	65.4	64.6	64.6	63.9	63.3	62.9	62.3	62.5	65.1	85.0	64.7
„ 12,	62.5	62.3	62.3	62.3	62.1	61.9	61.9	61.6	62.3	62.4	62.9	62.9	63.4	63.3	63.0	62.9	62.8	62.8	63.4	63.7	63.8	64.4	64.7	65.2	63.0	86.5	62.6
„ 13,	65.1	64.7	64.9	65.0	64.9	65.0	65.5	65.6	66.2	66.9	68.1	66.5	66.4	67.0	67.2	68.1	68.3	68.5	68.3	69.5	69.9	70.8	70.9	71.2	67.3	84.0	64.6
„ 14,	71.6	71.8	71.7	71.6	72.2	71.6	71.9	72.4	73.6	73.2	74.5	74.8	74.6	74.7	74.0	74.2	73.9	73.7	73.3	73.7	72.8	73.3	73.5	73.1	73.2	135.3	69.8
„ 15,	73.1	73.3	73.3	73.3	72.6	72.3	73.0	73.7	73.9	74.7	75.3	75.0	75.4	73.9	74.0	74.5	74.5	74.6	74.8	74.6	71.5	69.6	69.0	68.3	73.3	126.6	69.9
„ 16,	68.1	68.0	67.3	67.3	67.1	67.3	67.0	66.9	66.8	66.8	69.6	68.5	67.8	67.7	66.9	67.4	67.5	67.0	66.6	66.6	65.8	65.7	65.6	65.8	67.1	93.6	65.8
„ 17,	65.8	65.7	65.8	66.5	66.5	66.7	66.8	66.8	67.4	67.9	69.3	69.0	68.6	68.0	67.7	67.5	67.6	67.8	68.3	67.2	67.7	68.8	69.0	68.8	67.5	116.8	65.8
„ 18,	68.5	68.8	68.9	69.0	69.0	69.4	69.5	70.5	71.7	72.3	73.3	74.5	74.8	72.9	73.0	72.3	72.3	71.9	71.4	71.9	71.7	71.9	71.8	72.0	71.4	134.6	68.0
„ 19,	71.9	71.7	71.9	72.4	72.5	72.6	73.6	72.8	73.6	71.8	71.2	71.0	69.8	69.2	69.7	69.8	69.1	68.6	68.7	68.8	68.8	68.7	68.4	68.3	70.6	139.7	70.0
„ 20,	68.7	68.6	67.9	67.9	68.3	68.5	69.6	70.3	71.2	71.9	72.5	73.6	74.1	72.5	73.8	73.4	73.0	72.6	71.7	71.6	71.6	71.6	71.5	71.0	71.1	136.6	70.0
„ 21,	70.8	70.6	70.7	70.5	70.3	70.5	71.8	73.4	74.0	73.7	73.7	73.5	74.2	74.5	74.6	74.9	75.2	74.1	74.1	74.0	74.0	74.0	74.4	73.5	73.1	137.8	69.8
„ 22,	73.3	73.4	73.5	73.3	73.5	74.1	74.5	74.6	74.4	74.7	75.1	75.2	75.1	75.0	74.9	74.9	74.7	74.0	73.8	73.7	73.9	74.0	73.9	74.0	74.2	140.2	73.1
„ 23,	74.0	73.9	73.4	73.4	73.2	73.1	73.9	75.0	73.8	74.5	75.5	75.2	75.6	74.0	75.6	74.6	74.8	74.8	74.0	74.1	74.2	74.8	74.9	74.4	74.4	139.7	72.7
„ 24,	74.4	74.4	74.2	74.2	74.1	74.1	74.9	75.8	75.1	75.0	75.1	75.8	75.9	76.1	76.5	76.0	75.6	75.1	74.9	74.8	75.0	75.0	74.4	74.7	75.0	141.5	74.7
„ 25,	74.2	74.2	74.3	74.2	74.4	74.8	75.1	75.5	75.9	76.7	76.1	76.3	75.1	75.4	75.4	75.4	74.7	75.0	74.1	74.0	74.1	74.9	74.5	74.9	75.0	141.6	72.9
„ 26,	75.0	74.9	74.9	74.8	74.7	74.5	75.1	75.2	76.0	76.2	75.8	76.5	75.7	75.6	75.8	75.2	75.1	74.0	73.9	73.9	73.9	73.7	73.6	73.7	74.9	141.6	73.8
„ 27,	73.1	73.2	73.1	73.1	73.0	73.3	74.6	74.9	73.9	75.8	76.2	77.1	75.3	75.9	75.7	75.7	75.8	75.0	75.1	75.1	75.0	75.0	75.1	74.4	74.8	145.7	69.3
„ 28,	75.0	74.9	74.5	74.6	74.5	74.6	75.1	75.3	75.0	75.8	75.5	76.1	76.1	75.9	76.0	75.5	75.1	75.8	75.8	75.1	75.6	75.1	74.7	74.9	75.3	142.7	73.8
„ 29,	75.5	75.7	75.4	75.5	75.5	75.5	76.1	75.6	75.7	76.2	76.4	76.6	76.1	76.4	76.8	76.0	76.7	76.0	75.1	75.2	75.7	75.8	76.1	76.3	75.9	142.5	75.2
„ 30,	76.1	75.2	74.8	74.4	74.1	74.0	74.0	74.5	75.6	75.7	75.4	75.3	75.6	76.3	75.7	75.2	75.7	74.1	74.8	73.0	72.9	72.9	72.9	73.6	74.7	143.7	73.7
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	68.9	68.8	68.6	68.5	68.5	68.6	69.0	69.3	69.8	70.2	70.7	71.0	70.8	70.7	70.7	70.6	70.5	70.2	70.0	69.7	69.4	69.4	69.3	69.3	69.7	125.4	67.7

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF APRIL, 1888.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1888.		
1 a	91	0.692	April 1,.....	80	0.481
2 „	90	.688	„ 2,.....	84	.490
3 „	91	.686	„ 3,.....	81	.489
4 „	91	.682	„ 4,.....	84	.509
5 „	91	.682	„ 5,.....	95	.604
6 „	90	.682	„ 6,.....	94	.682
7 „	89	.689	„ 7,.....	90	.681
8 „	87	.689	„ 8,.....	90	.709
9 „	84	.694	„ 9,.....	87	.717
10 „	83	.700	„ 10,.....	90	.644
11 „	81	.706	„ 11,.....	91	.598
Noon.	80	.710	„ 12,.....	87	.544
1 p	80	.706	„ 13,.....	95	.657
2 „	80	.704	„ 14,.....	86	.777
3 „	81	.705	„ 15,.....	88	.787
4 „	82	.707	„ 16,.....	92	.644
5 „	85	.711	„ 17,.....	93	.657
6 „	87	.712	„ 18,.....	92	.749
7 „	88	.708	„ 19,.....	94	.733
8 „	89	.705	„ 20,.....	89	.733
9 „	88	.696	„ 21,.....	87	.780
10 „	89	.699	„ 22,.....	83	.797
11 „	90	.699	„ 23,.....	80	.790
Midt.	90	.698	„ 24,.....	82	.815
			„ 25,.....	82	.815
			„ 26,.....	87	.828
			„ 27,.....	81	.807
			„ 28,.....	80	.816
			„ 29,.....	77	.824
			„ 30,.....	78	.792
			.....	...	...
Mean, ...	87	0.698	Mean,.....	87	0.698

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.
1888.														
April 1,	...	...	...	...	0.1	1.0	1.0	0.7	0.7	1.0	0.5	...	...	5.0
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	0.5	1.0	0.9	0.9	0.6	0.3	...	...	...	4.2
„ 4,	...	...	...	0.2	0.8	...	0.3	0.1	...	...	...	...	...	1.4
„ 5,	...	...	...	0.1	...	...	...	...	...	...	...	...	...	0.1
„ 6,	...	...	...	...	...	...	...	...	...	1.0	0.1	...	...	1.1
„ 7,	...	...	...	...	0.4	0.3	0.1	...	0.1	...	...	...	...	0.9
„ 8,	...	...	...	...	...	...	...	1.0	0.5	...	...	...	...	1.5
„ 9,	...	...	...	...	...	...	0.2	0.1	0.4	0.3	0.2	...	...	1.2
„ 10,	...	...	...	0.2	0.6	0.3	0.2	0.2	...	...	...	...	...	1.5
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	0.1	0.5	0.8	0.9	0.5	0.6	...	...	...	...	...	3.4
„ 15,	...	...	...	...	0.4	0.3	...	...	...	...	...	...	...	0.7
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	0.1	...	...	...	...	...	...	0.1
„ 18,	...	...	0.6	0.5	0.6	0.8	0.7	0.1	...	0.1	...	...	...	3.4
„ 19,	...	0.4	0.8	1.0	0.9	0.7	1.0	1.0	1.0	1.0	0.9	0.2	...	8.9
„ 20,	...	0.8	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.2	10.6
„ 21,	...	0.1	0.9	1.0	0.9	1.0	0.6	1.0	1.0	1.0	1.0	1.0	...	9.5
„ 22,	...	0.2	0.8	1.0	0.9	0.9	0.4	0.8	1.0	1.0	0.9	1.0	...	8.9
„ 23,	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.3	0.3	...	...	7.8
„ 24,	...	0.1	0.1	0.1	0.1	0.6	1.0	0.9	0.6	0.6	0.5	0.3	...	4.9
„ 25,	...	0.1	0.6	1.0	1.0	1.0	0.9	1.0	1.0	0.8	0.8	0.4	...	8.6
„ 26,	...	0.4	1.0	1.0	0.9	1.0	0.9	0.7	0.8	0.6	0.2	...	...	7.5
„ 27,	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.8	0.5	0.1	10.4
„ 28,	0.1	0.9	0.4	0.3	1.0	0.9	0.8	0.3	0.9	0.9	1.0	0.7	0.1	8.3
„ 29,	...	0.7	1.0	1.0	1.0	0.9	0.9	0.7	1.0	1.0	1.0	1.0	0.2	10.4
„ 30,	0.1	0.9	1.0	1.0	1.0	0.6	0.7	0.1	0.6	0.9	0.6	0.1	...	7.6
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	0.5	5.9	10.0	11.9	14.9	15.2	14.2	13.2	13.1	12.5	9.8	6.1	0.6	127.9
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF APRIL, 1888.

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,	...	...	...	0·005	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010
„ 2,	0·010	0·035	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·055
„ 3,	...	...	...	0·005	0·010	0·010	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·035
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	0·005	0·035	0·035	0·050	0·055	0·100	0·020	...	0·005	0·310
„ 6,	0·005	...	...	0·010	...	...	...	...	...	0·095	0·190	0·060	...	0·605	...	...	...	...	...	...	...	...	...	...	0·965
„ 7,	...	...	...	...	0·005	...	...	0·005	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·015
„ 8,	...	...	...	...	0·015	0·005	...	0·010	...	...	...	...	...	...	...	0·005	0·005	...	...	0·030	0·090	0·050	0·015	0·005	0·230
„ 9,	...	...	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 10,	...	0·025	1·580	0·430	0·235	0·155	0·025	0·010	...	...	...	...	...	0·135	0·030	...	...	...	...	0·085	0·070	0·020	...	0·015	2·815
„ 11,	...	0·120	0·205	0·185	...	0·475	0·370	0.240	0·090	0·150	0·085	...	...	...	...	...	...	...	...	...	...	...	...	...	1·920
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·110	0·100	...	...	...	...	...	...	0·215
„ 13,	...	...	...	...	...	...	...	...	...	...	...	0·015	0·025	...	0·010	0·070	0·020	...	0·005	...	...	...	...	...	0·145
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	0·005	...	...	...	...	...	...	...	0·010	0·015	...	...	0·010	0·005	0·035	...	0·005	0·085
„ 16,	...	...	...	...	...	0·020	0·015	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	...	...	...	0·040
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·085	...	...	...	...	...	0·085
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	0.010	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·015
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·015	0·190	1·800	0·645	0·265	0·670	0·425	0·275	0·095	0·245	0·275	0·075	0·025	0·740	0·040	0·095	0·185	0·135	0·140	0·185	0·265	0·125	0·015	0·030	6·955

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF APRIL, 1888.

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.		
Apr. 1,	6	18	7	21	7	23	7	23	7	22	6	19	6	23	5	20	6	21	7	26	7	20	6	25	7	21	9	27	7	30	8	29	8	31	7	30	7	35	7	34	7	38	7	36	7	32	6	23	627	26.1
,, 2,	6	25	6	20	6	13	7	7	29	4	9	6	10	10	8	17	10	10	8	13	8	13	9	15	9	10	9	9	9	8	9	5	9	8	9	14	9	15	7	14	7	12	7	11	9	12	9	9	280	11.7
,, 3,	10	13	10	13	7	12	6	6	7	8	2	5	2	4	10	6	10	6	7	9	9	24	8	25	9	24	8	22	7	19	7	15	7	14	7	13	6	12	6	9	7	10	7	13	7	14	6	20	316	13.2
,, 4,	6	26	6	24	6	22	6	23	7	24	6	27	6	22	7	23	7	25	7	28	7	22	7	22	8	24	7	24	7	22	7	22	7	23	7	20	7	18	7	18	7	19	8	19	8	21	8	22	540	22.5
,, 5,	8	26	9	25	9	24	8	20	8	22	8	23	8	20	8	16	7	20	7	20	8	19	7	18	8	19	7	14	7	21	6	19	7	18	8	19	8	19	8	18	8	12	9	10	7	8	5	4	434	18.1
,, 6,	6	5	7	2	12	2	10	3	26	5	28	4	28	4	29	3	8	6	5	3	5	4	15	8	10	3	7	10	11	8	30	5	26	5	6	5	6	8	7	17	7	18	8	22	8	28	8	27	205	8.5
,, 7,	8	25	7	18	8	21	8	22	7	15	7	16	5	14	7	10	14	16	12	15	14	15	14	13	17	10	14	11	6	6	15	12	15	17	15	10	8	7	7	14	7	23	8	29	8	36	8	30	405	16.9
,, 8,	7	26	7	26	7	25	7	23	6	20	6	17	6	15	5	10	8	6	16	14	16	16	16	14	16	21	16	22	16	16	16	19	16	19	17	23	16	15	7	23	7	39	7	33	7	33	7	32	507	21.1
,, 9,	7	29	7	28	7	25	6	28	7	25	7	23	7	24	8	23	8	22	7	20	6	11	15	14	16	19	16	20	17	23	17	27	18	31	18	27	18	15	20	18	18	12	16	9	16	7	14	6	486	20.2
,, 10,	16	11	18	12	5	23	5	20	5	4	10	19	7	28	7	21	7	15	9	20	8	12	8	12	9	12	24	11	26	11	23	4	9	14	10	15	4	5	24	10	29	9	25	6	16	5	30	6	305	12.7
,, 11,	24	5	26	8	17	6	26	4	4	11	29	11	24	7	7	6	6	10	5	4	10	9	9	27	8	22	7	11	7	16	6	14	6	16	4	13	7	13	8	22	7	22	7	19	7	19	6	17	312	13.0
,, 12,	7	18	7	20	7	20	6	18	7	22	8	22	7	23	7	21	7	22	7	20	7	18	7	23	6	22	7	24	7	26	7	28	7	33	6	28	7	24	7	20	7	25	8	22	7	20	7	19	538	22.4
,, 13,	7	26	7	30	7	28	8	23	7	22	7	25	8	22	7	20	7	22	7	16	7	22	7	20	7	24	7	17	8	17	6	15	7	18	6	20	6	18	6	17	5	17	6	15	5	9	6	12	475	19.8
,, 14,	6	14	6	10	7	9	10	15	6	11	8	8	9	10	8	11	14	15	11	11	12	13	15	21	15	21	16	19	16	21	16	27	16	23	17	25	17	24	18	26	17	26	18	24	19	17	19	19	420	17.5
,, 15,	20	13	18	11	17	5	12	4	6	6	7	7	14	6	16	11	16	11	16	12	16	17	17	13	15	15	16	16	17	21	17	19	18	28	18	28	18	32	22	19	23	14	23	13	23	13	23	13	347	14.5
,, 16,	24	11	24	9	24	12	25	10	25	9	24	11	26	7	23	9	25	6	25	5	22	3	23	4	22	7	22	6	23	2	12	6	8	21	8	25	9	29	8	32	7	29	9	29	8	24	9	20	326	13.6
,, 17,	8	19	8	23	7	22	9	19	8	14	8	18	8	21	8	15	9	11	9	12	9	20	7	19	8	22	8	28	8	28	8	25	8	25	7	20	7	14	26	6	17	3	8	10	9	16	8	21	431	18.0
,, 18,	8	19	9	18	8	19	7	16	8	17	7	13	7	11	7	9	5	7	6	6	32	3	28	5	28	4	7	6	8	4	6	6	5	6	6	9	7	12	7	11	8	11	7	12	8	11	7	11	246	10.3
,, 19,	8	14	7	11	6	6	5	5	5	3	5	4	12	2	9	7	8	16	8	21	8	22	7	22	7	22	7	21	8	20	7	17	7	21	7	16	8	16	8	19	7	20	7	21	7	19	7	20	365	15.2
,, 20,	7	13	6	14	7	18	7	16	7	13	6	10	7	10	7	8	7	6	7	9	8	9	9	8	10	3	8	6	8	5	28	7	29	7	29	6	27	3	...	1	...	0	...	0	...	0	2	2	174	7.2
,, 21,	...	0	...	0	...	0	...	0	6	3	6	5	6	5	7	9	7	7	8	12	8	7	8	6	9	7	10	7	15	10	15	10	15	6	15	7	15	7	10	4	11	6	13	9	14	9	9	6	142	5.9
,, 22,	9	7	12	6	10	7	10	4	11	5	13	4	7	3	13	8	15	12	15	14	15	14	15	10	15	11	15	12	15	12	15	11	15	12	14	11	14	10	13	3	15	7	15	7	15	7	15	9	206	8.6
,, 23,	16	7	16	9	17	8	17	8	17	6	16	5	16	5	16	8	18	10	20	12	18	10	18	10	18	11	20	12	16	9	17	11	15	10	16	10	15	12	15	9	14	11	15	9	15	8	15	10	220	9.2
,, 24,	15	8	15	8	15	7	16	9	15	7	15	7	15	7	14	4	15	9	16	12	15	10	14	12	15	10	15	13	15	10	15	9	10	6	9	8	13	6	13	9	13	12	13	11	10	10	13	10	214	8.9
,, 25,	13	6	9	6	8	4	8	4	10	10	13	12	13	11	14	16	14	14	15	14	14	12	14	15	14	16	14	12	15	11	15	12	14	15	14	14	14	7	10	5	11	5	6	8	9	3	6	3	235	9.8
,, 26,	6	3	6	5	6	7	6	6	6	7	7	6	7	6	13	8	8	7	11	6	16	8	8	12	7	17	10	13	8	10	7	13	9	17	9	12	12	6	8	5	8	7	9	7	9	9	10	7	204	8.5
,, 27,	12	4	12	2	14	2	6	3	...	1	2	3	10	2	...	1	14	3	24	4	29	6	22	6	17	7	16	9	16	8	16	11	15	8	16	7	16	5	14	5	14	4	13	5	14	4	11	3	113	4.7
,, 28,	10	2	14	3	15	6	15	6	15	9	16	9	16	7	18	10	17	8	17	11	18	10	18	12	18	9	18	12	19	11	18	10	18	9	15	8	16	8	18	6	16	7	15	8	13	8	14	6	195	8.1
,, 29,	16	8	16	11	16	9	16	10	18	8	18	11	17	11	18	12	20	15	21	13	20	15	22	13	22	14	19	15	21	14	20	13	18	10	18	10	19	10	17	7	17	9	17	7	16	8	16	9	262	10.9
,, 30,	18	5	18	7	17	5	16	3	16	3	16	4	18	9	20	6	18	7	22	5	23	11	22	13	22	13	21	17	19	7	16	8	28	4	25	5	22	4	24	2	24	6	26	8	29	8	...	1	161	6.7
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	406	...	400	...	390	...	358	...	336	...	354	...	349	...	348	...	365	...	387	...	395	...	437	...	440	...	446	...	426	...	429	...	475	...	458	...	409	...	403	...	433	...	432	...	418	...	397	9691	403.8
Hourly Means,	...	13.5	...	13.3	...	13.0	...	11.9	...	11.2	...	11.8	...	11.6	...	11.6	...	12.2	...	12.9	...	13.2	...	14.6	...	14.7	...	14.9	...	14.2	...	14.3	...	15.8	...	15.3	...	13.6	...	13.4	...	14.4	...	14.4	...	13.9	...	13.2	323.0	13.5

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR APRIL, 1888.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	1.1	10.6	2.0	0.9	−0.9	+ 9.7	E 5° S
2 „	0.9	10.3	2.2	0.9	−1.3	9.4	E 8° S
3 „	1.1	10.5	1.7	0.4	−0.6	10.1	E 3° S
4 „	1.6	9.4	1.5	0.4	+0.1	9.0	E 1° N
5 „	1.1	9.0	1.3	0.6	−0.2	8.3	E 1° S
6 „	1.6	8.9	1.7	0.8	0.2	8.0	E 1° S
7 „	1.4	8.9	1.9	0.6	0.5	8.2	E 3° S
8 „	0.8	8.7	2.4	0.8	1.6	7.9	E 11° S
9 „	0.5	8.2	3.7	0.7	3.2	7.5	E 23° S
10 „	0.2	8.6	4.0	1.0	3.7	7.6	E 26° S
11 „	0.5	8.2	4.3	1.2	3.8	7.0	E 28° S
Noon.	0.4	8.8	4.8	1.4	4.4	7.4	E 31° S
1 p.	0.4	8.4	5.3	1.3	4.9	7.1	E 35° S
2 „	0.0	8.1	6.0	1.7	6.0	6.4	E 43° S
3 „	0.2	7.9	5.6	1.1	5.4	6.8	E 38° S
4 „	0.9	6.8	6.6	0.8	5.7	6.0	E 44° S
5 „	0.6	9.0	5.9	1.3	5.2	7.7	E 34° S
6 „	1.2	8.7	5.7	1.1	4.6	7.6	E 31° S
7 „	0.6	8.4	4.7	1.0	4.1	7.4	E 29° S
8 „	0.4	9.6	2.6	1.9	2.2	7.7	E 16° S
9 „	0.6	10.6	3.0	1.0	2.4	9.6	E 14° S
10 „	0.4	11.0	2.6	1.1	2.2	9.9	E 13° S
11 „	0.4	11.0	2.2	1.0	1.8	10.0	E 10° S
Midt.	1.2	10.1	2.1	0.9	−0.9	+ 9.2	E 6° S
Mean,.....	0.8	9.2	3.5	1.0	−2.7	+ 8.1	E 19° S

TABLE IX.

DIRECTION AND FORCE OF THE WIND AND RAINFALL AT VICTORIA PEAK, AND RAINFALL AT THE OBSERVATORY.

Date.	10 a.		4 p.		10 p.		Rain.		
	Direction	Force.	Direction	Force.	Direction	Force.	Peak.	Observatory.	Duration.
1888.							ins.	ins.	hrs.
April 1,.....	E	5	E	5	E	5	...	0.055	6
„ 2,.....	NE	3	NE	3	NE	3	...	0.035	6
„ 3,.....	E	4	E	3	E	4	...	...	...
„ 4,.....	E	5	E	5	E	5	...	0.005	7
„ 5,.....	SW	4	SW	3	SW	3	...	0.405	12
„ 6,.....	S	3	S	4	SW	4	1.45	0.880	4
„ 7,.....	S	5	S	5	SW	6	...	0.030	5
„ 8,.....	SW	5	SW	6	SW	5	0.25	0.205	6
„ 9,.....	SE	5	SE	6	S	6	2.36	2.460	7
„ 10,.....	E	4	NE	3	E	3	2.10	2.110	14
„ 11,.....	E	3	E	4	E	4	0.10	0.165	2
„ 12,.....	E	4	E	5	SE	5	0.12	0.215	3
„ 13,.....	SE	5	SE	5	SE	6	0.08	0.145	5
„ 14,.....	SE	6	S	5	S	6	...	0.005	1
„ 15,.....	S	5	SSW	5	S	5	0.28	0.115	7
„ 16,.....	W	2	S	4	S	4	0.12	0.005	2
„ 17,.....	S	4	S	4	S	4	...	0.085	1
„ 18,.....	S	4	SW	4	SW	4	...	0.005	...
„ 19,.....	SW	3	S	4	S	4	...	...	...
„ 20,.....	S	3	SW	3	SW	3	...	0.005	...
„ 21,.....	S	3	S	3	S	4	...	...	...
„ 22,.....	S	4	SW	3	SW	4	...	...	...
„ 23,.....	S	3	SSW	4	S	4	...	...	...
„ 24,.....	SW	4	SW	4	S	5	...	...	...
„ 25,.....	S	4	S	4	S	5	...	...	...
„ 26,.....	SW	4	SW	3	SW	4	...	...	...
„ 27,.....	SW	3	S	3	S	4	...	...	...
„ 28,.....	S	5	S	5	S	4	...	...	...
„ 29,.....	S	4	SW	4	SW	4	...	0.015	1
„ 30,.....	SW	3	S	4	S	3	...	...	...
.....	...	...	...	...	...	...	...	...	...
Mean,.....	S 14° E	4.0	S 7° E	4.1	S 3° E	4.3	6.86	6.945	89

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1888.	ins.	ins.	ins.	°	°	°	°	°	°	°
April 1,.....	28.253	28.154	28.169	61.0	61.2	59.0	112.6	61.8	58.3	56.4
„ 2,.....	.237	.194	.184	59.1	61.4	59.7	109.2	62.2	56.6	51.3
„ 3,.....	.208	.155	.158	60.4	60.8	60.1	111.2	65.5	54.3	52.8
„ 4,.....	.138	.139	.112	59.7	59.6	59.1	118.8	64.6	53.9	52.3
„ 5,.....	.134	.055	.063	66.0	63.7	65.7	111.2	67.6	56.9	55.7
„ 6,.....	.048	27.979	.006	67.2	67.1	66.6	116.6	69.1	60.2	60.1
„ 7,.....	.024	.972	27.993	68.4	69.5	66.4	104.0	69.6	61.2	61.1
„ 8,.....	27.998	.964	.999	70.4	71.1	66.7	94.0	71.1	64.2	61.6
„ 9,.....	28.022	.935	.960	68.0	70.7	68.8	94.4	71.2	66.3	66.3
„ 10,.....	27.994	.989	28.014	66.5	66.7	65.7	101.7	70.9	64.6	63.5
„ 11,.....	28.066	28.015	.032	64.2	63.9	62.8	116.9	68.1	62.7	58.3
„ 12,.....	.098	.043	.003	61.2	61.5	60.3	91.7	64.6	59.5	55.0
„ 13,.....	.116	.074	.063	63.9	66.1	64.5	94.0	67.9	60.2	58.6
„ 14,.....	.059	27.986	.000	69.7	70.0	69.6	110.4	72.1	64.2	64.4
„ 15,.....	.034	.995	27.952	70.0	70.4	70.2	103.9	71.6	69.2	67.3
„ 16,.....	.068	28.027	28.042	69.0	67.7	66.7	106.7	70.3	66.2	66.4
„ 17,.....	.139	.110	.102	68.4	69.2	68.2	112.3	72.1	66.7	66.0
„ 18,.....	.160	.132	.143	69.7	71.9	69.8	121.1	72.0	66.3	66.8
„ 19,.....	.138	.028	.039	67.7	72.2	68.1	112.3	72.3	66.2	67.3
„ 20,.....	.169	.135	.159	72.0	72.0	70.7	123.5	74.2	68.0	66.4
„ 21,.....	.179	.164	.155	72.5	74.0	72.2	138.1	74.6	70.2	70.3
„ 22,.....	.155	.066	.078	71.4	71.7	72.0	121.1	73.5	69.2	68.8
„ 23,.....	.081	.034	.055	72.2	72.0	72.1	137.2	73.9	70.2	69.8
„ 24,.....	.096	.069	.076	71.8	73.7	72.2	144.4	74.6	71.2	68.4
„ 25,.....	.132	.110	.119	72.8	72.8	71.9	130.9	74.9	71.9	71.8
„ 26,.....	.154	.156	.116	73.8	72.7	71.1	120.3	75.5	71.0	68.7
„ 27,.....	.141	.112	.093	73.7	73.9	71.8	140.2	75.8	70.7	70.4
„ 28,.....	.108	.057	.022	73.4	73.8	72.5	135.1	74.2	71.7	71.6
„ 29,.....	.077	.017	.029	73.0	74.7	74.4	138.5	75.9	71.2	68.6
„ 30,.....	.130	.075	.085	74.1	73.7	71.1	140.5	74.5	70.2	71.2
.....	...	...	...	...	...	...	...	...	...	...
Mean,.....	28.112	28.065	28.067	68.4	69.0	67.7	117.1	70.9	65.1	63.9

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND VICTORIA PEAK.

Date. 1888.	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,.....	77	74	85	92	89	92	0.476	0.469	0.461	0.498	0.480	0.459
„ 2,.....	84	82	91	93	90	99	.488	.537	.532	.470	.490	.508
„ 3,.....	71	69	84	90	84	85	.464	.442	.511	.472	.449	.443
„ 4,.....	75	80	95	93	99	96	.485	.495	.561	.478	.506	.485
„ 5,.....	91	93	95	85	99	99	.598	.602	.641	.546	.585	.628
„ 6,.....	97	90	91	93	97	94	.725	.697	.636	.619	.644	.616
„ 7,.....	91	86	90	95	97	95	.703	.768	.613	.664	.704	.618
„ 8,.....	87	94	93	97	97	94	.812	.843	.620	.723	.744	.618
„ 9,.....	89	83	86	97	99	98	.647	.812	.796	.668	.745	.691
„ 10,.....	85	91	94	97	98	93	.634	.623	.638	.634	.642	.586
„ 11,.....	92	88	86	96	98	90	.615	.610	.539	.579	.583	.515
„ 12,.....	83	86	90	96	95	93	.523	.541	.581	.523	.520	.491
„ 13,.....	95	95	100	98	97	87	.648	.675	.755	.586	.622	.532
„ 14,.....	88	81	78	99	99	99	.787	.789	.755	.720	.728	.718
„ 15,.....	87	94	94	99	98	98	.823	.839	.707	.728	.730	.725
„ 16,.....	94	88	95	97	99	99	.644	.641	.622	.692	.672	.649
„ 17,.....	92	94	93	100	100	98	.662	.659	.687	.696	.715	.677
„ 18,.....	88	90	99	85	94	97	.760	.767	.780	.616	.734	.708
„ 19,.....	91	91	95	89	88	92	.757	.704	.691	.606	.700	.632
„ 20,.....	86	83	95	95	85	94	.743	.774	.763	.748	.669	.703
„ 21,.....	90	74	87	97	88	89	.804	.783	.805	.776	.742	.704
„ 22,.....	75	77	86	96	96	83	.782	.795	.800	.744	.752	.654
„ 23,.....	71	73	87	93	96	89	.760	.770	.825	.738	.759	.701
„ 24,.....	79	76	88	99	95	95	.805	.822	.833	.773	.789	.753
„ 25,.....	77	72	91	98	98	94	.846	.791	.840	.788	.788	.734
„ 26,.....	81	83	91	97	93	98	.847	.826	.807	.807	.750	.748
„ 27,.....	69	77	87	92	92	98	.791	.817	.832	.765	.774	.769
„ 28,.....	73	70	83	96	96	98	.805	.785	.823	.793	.803	.780
„ 29,.....	72	68	82	98	95	92	.813	.794	.838	.797	.816	.780
„ 30,.....	70	74	80	89	88	93	.792	.793	.750	.752	.738	.706
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean, ...	83	83	90	95	95	94	0.701	0.709	0.701	0.667	0.679	0.644

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
1888.												
April 1, ...	10	nim.	...	10	nim.	E	10	cum-nim.	E	10	sm-cum. / R-cum.	E
„ 2, ...	10	nim.	...	10	nim.	...	10	R-cum.	W	10	str-cum.	WSW
„ 3, ...	10	nim.	E	10	nim.	...	10	nim.	NE	10	sm-cum. / cum.	W / E
„ 4, ...	10	R-cum.	...	10	cum-nim.	...	10	R-cum.	E	10	sm-cum. / R-cum.	WSW / SE
„ 5, ...	10	nim.	...	10	nim.	...	10	cum-nim.	...	10	R-cum.	SSW
„ 6, ...	10	nim.	...	10	nim.	...	...	fog.	...	10	nim. / fog.	...
„ 7, ...	10	nim.	SE	10	nim.	...	10	cum-nim.	SSE	10	R-cum.	S
„ 8, ...	10	nim.	...	10	nim.	...	10	cum-nim.	S	10	nim.	SSW
„ 9, ...	10	nim.	SE	10	nim.	SE	10	cum-nim.	E	10	R-cum.	SSE
„ 10, ...	10	nim.	...	10	nim.	...	10	cum-nim.	ENE	9	c-str. / R-cum.	W / E
„ 11, ...	10	nim.	...	10	nim.	...	10	nim.	NW	10	nim.	...
„ 12, ...	10	cum-nim.	SE	10	cum.	E	10	str-cum. / R-cum.	W / ESE	10	cum-nim.	E
„ 13, ...	10	nim.	ESE	10	nim.	...	10	cum-nim.	E	10	nim.	E
„ 14, ...	10	cum-nim.	S	10	R-cum.	S	10	sm-cum. / R-cum.	S	10	sm-cum. / cum-str.	WSW / S
„ 15, ...	10	cum.	SSW	10	cum.	S	10	cum.	SSW	10	R-cum.	SSW
„ 16, ...	10	nim.	SW	10	nim.	NW	10	nim.	...	10	nim.	N
„ 17, ...	10	cum.	...	10	cum.	SE	10	cum-nim.	ESE	10	str.	...
„ 18, ...	10	R-cum.	E	10	cum.	E	8	c-cum. / R-cum.	W / S	8	R-cum.	S
„ 19, ...	10	cum. / fog.	S /	10	cum.	S	5	c-str. / cum.	W / S	8	sm-cum. / cum. / fog.	WSW / S / E
„ 20, ...	10	sm-cum. / cum.	W / SE	10	cum. / fog.	S /	4	c-str. / cum.	W / S	8	sm-cum. / cum.	WSW / S
„ 21, ...	2	cum.	...	7	cum.	SSW	9	cum.	SSW	5	cum.	SSW
„ 22, ...	9	cum.	S	10	cum.	S	9	cum.	S	6	cum.	SSW
„ 23, ...	8	cum.	SW	9	cum.	SW	6	cum.	SW	3	cum.	SW
„ 24, ...	10	cum.	SW	8	cum.	SW	8	sm-cum. / cum.	W / S	8	sm-cum. / cum.	W / S
„ 25, ...	6	c-cum. / cum.	S	8	c-cum. / cum.	S	9	c-cum. / cum.	S	6	c-cum. / cum.	S / S
„ 26, ...	9	c-cum. / cum.	S	8	c-cum. / cum.	S	5	c-cum. / cum.	S	5	cum.	S
„ 27, ...	6	sm-cum. / cum.	S	3	sm-cum. / cum.	S	2	cum.	S	4	cum.	S
„ 28, ...	9	c-cum. / cum.	SSE	7	c-cum. / cum.	S	7	c-cum. / cum.	SSW / SSW	7	c-str. / cum.	WSW / SSW
„ 29, ...	10	c-cum. / cum.	SSW	8	c-cum. / cum.	S	6	c-str. / c-cum. / cum.	.... / WSW / SW	7	c-str. / cum.	W / SW
„ 30, ...	10	cum. / nim.	SSW	10	nim.	S	3	c-cum. / cum.	WSW / SSW	7	c-str. / cum.	W / SSW
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean, ...	9.3	...	...	9.3	...	...	8.3	...	...	8.4	...	...

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	
1888.													
April 1,.....	5	sm-cum. / cum.	E	7	sm-cum. / cum.	WSW / E	10	cum.	E	10	nim.	E	9.0
„ 2,.....	10	R-cum.	N	10	str-cum.	N	10	str-cum.	...	10	nim.	E	10.0
„ 3,.....	10	sm-cum. / cum.	W / ESE	10	str-cum.	W	10	R-cum.	W	10	cum-nim.	...	10.0
„ 4,.....	10	R-cum.	SE	10	cum-nim.	ESE	10	nim.	SE	10	nim.	SE	10.0
„ 5,.....	10	cum-nim.	SSW	10	nim.	...	10	nim.	...	10	nim.	...	10.0
„ 6,.....	10	cum-nim.	W	10	str-cum. / cum-nim.	WSW / S	10	cum-nim.	S	10	cum-nim.	...	10.0
„ 7,.....	10	cum-nim.	SSE	10	cum.	S	10	cum-nim.	S	10	cum-nim.	S	10.0
„ 8,.....	8	cum.	SSW	10	nim.	SSW	10	cum-nim.	SW	10	nim.	...	9.7
„ 9,.....	10	cum-nim.	SSE	9	cum-nim.	SSW	10	cum-nim.	SSW	10	cum-nim.	SSW	9.9
„ 10,.....	10	str-cum. / cum-nim.	W / NE	10	str-cum. / R-cum.	W /	10	cum-nim.	...	10	cum-nim.	...	9.9
„ 11,.....	10	nim.	E	10	nim.	E	10	cum-nim.	...	10	cum-nim.	E	10.0
„ 12,.....	10	cum-nim.	E	10	cum. / cum-nim.	SW / E	10	cum-nim.	E	10	cum-nim.	...	10.0
„ 13,.....	10	nim.	E	10	nim.	S	10	cum-nim.	S	...	fog.	...	10.0
„ 14,.....	10	sm-cum. / cum.	WSW / S	10	sm-cum. / cum.	W / S	10	cum.	S	10	R-cum.	SSW	10.0
„ 15,.....	10	sm-cum. / R-cum.	W / SSW	10	nim.	SSW	10	cum-nim.	SW	10	nim.	...	10.0
„ 16,.....	10	str.	...	10	nim.	...	10	nim.	...	10	nim.	...	10.0
„ 17,.....	10	str. / cum-nim.	ESE	10	str. / cum-nim.	ESE	10	nim.	...	10	cum-nim.	...	10.0
„ 18,.....	10	sm-cum. / cum.	W / SSW	10	cum.	SW	10	R-cum.	SW	...	fog.	...	9.4
„ 19,.....	9	c-cum. / cum. / fog.	W / SSE / E	7	sm-cum. / cum.	NNW / S	3	cum.	S	10	sm-cum. / cum.	W / S	7.7
„ 20,.....	7	c-str. / cum. / cum.	W / SE /	2	sm-cum. / cum.	WNW /	0	...	...	0	...	...	5.1
„ 21,.....	4	cum.	SSW	2	c-str. / cum.	SSW	6	cum.	SSW	3	cum.	SSW	4.8
„ 22,.....	6	cum.	SSW	3	cum.	SSW	9	cum.	SSW	7	cum.	SW	7.4
„ 23,.....	6	c-str. / cum.	SW	10	c-str. / cum.	NNE / SW	7	sm-cum. / cum.	SW	9	cum.	SW	7.3
„ 24,.....	6	sm-cum. / cum.	W / SSW	9	sm-cum. / cum.	W / SSW	6	cum.	SSW	3	cum.	S	7.2
„ 25,.....	7	c-str. / cum.	S	7	c-str. / cum.	S	5	c-cum. / cum.	S	7	c-cum. / cum.	S	6.9
„ 26,.....	9	c-str. / cum.	S	9	c-str. / cum.	N / SSW	9	c-str. / cum.	SSW	10	R-cum.	S	8.0
„ 27,.....	5	cum.	S	5	c-str. / cum.	SSW	8	cum.	SSW	7	c-str. / cum.	SSW	5.0
„ 28,.....	7	c-cum. / cum.	WSW	7	c-str. / cum.	SW	8	c-str. / cum.	SSW	4	cum.	SSW	7.0
„ 29,.....	10	c-str. / cum.	W / SW	3	c-str. / cum.	SW	5	c-cum. / cum.	SW	8	c-cum. / cum.	SW	7.1
„ 30,.....	10	sm-cum. / cum.	W / SSW	7	c-cum. / cum.	WSW / SSW	10	sm-cum. / cum.	SW	10	cum.	SW	8.4
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	8.6	...	...	8.2	...	...	8.5	...	...	8.5	...	...	8.6

MAY, 1888.

Dew—9th, 10th and 11th.

Unusual visibility—8th and 10th.

Lightning without thunder—8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 18th, 19th, 21st, 29th and 30th.

Thunder without lightning—1st, 12th, 22nd and 26th.

Thunder and lightning—13th and 27th.

Thunderstorms—2nd, commencing 9 p. and continuing at intervals all night till 11 a. 3rd, in S and W, nearest at $10^{h.}$ $24^{m.}$ p. (7s.), at $11^{h.}$ $30^{m.}$ p. (5s.), at $0^{h.}$ $20^{m.}$ a. (8s.), at $10^{h.}$ $17^{m.}$ a. (5s.); 16th, $3^{h.}$ $40^{m.}$ p.-6 p. in S and SW, nearest at $5^{h.}$ $48^{m.}$ p. (5s.). Thunder and lightning distant, continued through the night of 16th to 17th; 17th, $6^{h.}$ $45^{m.}$ p.-8 p. in S and SW, nearest at 7.25 p. (3s.), and at 7.57 p. (3s.). Thunder and lightning distant, continued through the night of 17th to 18th. 19th, 6 a.-7.30 a. in NE, nearest 6.16 a. (12s.); 19th, 0.40-1.30 p. in S and SW, nearest at $1^{h.}$ $14^{m.}$ 1.21, 1.25 and 1.30 p. (4s.).

Rainbow—18th at 7 a. and at 5.45 p.; 29th at 5.45 a.; 31st at 6.8 a.

Solar halo—21st.

Lunar halo—21st.

Lunar Corona—20th.

The total distance traversed 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	263	36	7.3
NE	565	48	11.8
E	3818	252	15.2
SE	240	38	6.3
S	1641	162	10.1
SW	913	75	12.2
W	409	49	8.3
NW	261	43	6.1
Calm	29	41	0.7

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF MAY, 1888.

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, ...	29.810	29.809	29.812	29.819	29.827	29.853	29.863	29.888	29.901	29.910	29.905	29.891	29.863	29.851	29.829	29.808	29.800	29.806	29.801	29.814	29.816	29.826	29.816	29.797	29.838
„ 2, ...	.794	.778	.773	.765	.771	.775	.789	.789	.794	.802	.793	.781	.746	.721	.698	.677	.679	.678	.688	.729	.731	.747	.769	.752	.751
„ 3, ...	.755	.752	.740	.741	.760	.787	.802	.821	.821	.829	.832	.828	.817	.810	.793	.782	.786	.799	.799	.799	.823	.828	.832	.820	.798
„ 4, ...	.812	.790	.767	.784	.785	.785	.807	.817	.832	.843	.844	.844	.807	.781	.788	.759	.764	.771	.786	.801	.811	.823	.817	.809	.801
„ 5, ...	.788	.768	.754	.748	.753	.769	.786	.799	.809	.801	.789	.774	.739	.718	.699	.691	.684	.695	.700	.725	.740	.745	.747	.741	.748
„ 6, ...	.733	.729	.717	.713	.708	.739	.754	.761	.775	.772	.750	.740	.719	.700	.678	.657	.654	.655	.658	.688	.708	.725	.726	.721	.716
„ 7, ...	.710	.701	.692	.698	.703	.729	.740	.767	.778	.779	.771	.762	.740	.723	.710	.691	.688	.698	.713	.733	.757	.774	.775	.765	.733
„ 8, ...	.745	.731	.731	.728	.740	.752	.778	.797	.811	.812	.813	.799	.791	.767	.753	.734	.731	.725	.725	.734	.749	.774	.792	.783	.762
„ 9, ...	.773	.772	.764	.764	.776	.792	.813	.828	.838	.841	.831	.831	.801	.780	.767	.746	.744	.756	.780	.805	.833	.848	.858	.843	.799
„ 10, ...	.827	.807	.801	.807	.825	.849	.872	.890	.902	.905	.905	.899	.875	.862	.843	.827	.827	.828	.846	.863	.885	.902	.911	.906	.861
„ 11, ...	.893	.876	.871	.870	.875	.885	.896	.910	.913	.915	.899	.891	.865	.842	.829	.815	.811	.815	.831	.858	.874	.877	.869	.855	.868
„ 12, ...	.842	.818	.794	.791	.793	.809	.823	.831	.845	.843	.834	.835	.807	.789	.771	.762	.749	.760	.778	.795	.806	.829	.824	.823	.806
„ 13, ...	.799	.791	.786	.777	.778	.794	.816	.823	.829	.835	.823	.803	.779	.757	.722	.734	.729	.729	.766	.778	.785	.807	.817	.808	.786
„ 14, ...	.802	.786	.779	.768	.768	.770	.803	.822	.834	.835	.831	.820	.801	.784	.773	.750	.737	.742	.754	.778	.803	.820	.819	.796	.791
„ 15, ...	*.780	*.760	*.740	*.730	*.730	*.735	*.750	.757	.760	.754	.756	.741	.726	.703	.689	.667	.664	.675	.689	.690	.697	.709	.709	.701	.721
„ 16, ...	.680	.646	.631	.610	.627	.632	.641	.639	.635	.639	.605	.597	.586	.589	.593	.590	.594	.590	.605	.590	.596	.605	.611	.607	.614
„ 17, ...	.579	.559	.561	.556	.553	.583	.593	.620	.625	.622	.623	.612	.603	.563	.563	.549	.556	.569	.589	.575	.558	.591	.605	.603	.584
„ 18, ...	.604	.588	.581	.559	.577	.599	.621	.638	.637	.641	.637	.619	.612	.571	.573	.565	.562	.550	.571	.590	.605	.619	.611	.593	.597
„ 19, ...	.565	.548	.532	.535	.539	.564	.589	.606	.623	.617	.610	.595	.583	.570	.527	.526	.537	.548	.570	.598	.609	.619	.619	.603	.576
„ 20, ...	.593	.568	.555	.547	.544	.570	.588	.599	.599	.604	.600	.593	.577	.551	.549	.544	.548	.564	.592	.599	.599	.614	.622	.622	.581
„ 21, ...	.618	.605	.595	.599	.605	.618	.639	.650	.658	.667	.659	.650	.631	.613	.598	.590	.591	.610	.620	.633	.656	.664	.656	.671	.629
„ 22, ...	.655	.651	.641	.644	.655	.687	.703	.711	.718	.745	.749	.734	.721	.702	.688	.690	.692	.690	.726	.753	.771	.772	.775	.764	.710
„ 23, ...	.762	.745	.738	.740	.734	.753	.771	.778	.797	.797	.797	.790	.782	.775	.770	.760	.769	.793	.805	.826	.830	.846	.839	.832	.785
„ 24, ...	.813	.797	.784	.780	.793	.791	.804	.813	.823	.836	.832	.817	.795	.776	.771	.757	.755	.764	.771	.782	.804	.816	.805	.778	.794
„ 25, ...	.751	.735	.743	.748	.749	.763	.785	.804	.804	.810	.816	.806	.773	.758	.745	.736	.736	.736	.747	.773	.791	.796	.787	.775	.769
„ 26, ...	.757	.737	.726	.724	.711	.732	.757	.766	.771	.769	.769	.777	.767	.749	.726	.710	.701	.701	.710	.731	.737	.750	.745	.745	.740
„ 27, ...	.740	.728	.724	.720	.722	.728	.737	.742	.755	.761	.763	.743	.725	.709	.700	.686	.688	.680	.692	.706	.744	.742	.736	.731	.725
„ 28, ...	.710	.707	.698	.697	.696	.708	.722	.729	.734	.735	.726	.715	.708	.686	.669	.676	.676	.684	.683	.669	.679	.692	.698	.691	.700
„ 29, ...	.692	.689	.686	.686	.689	.703	.720	.732	.740	.751	.742	.726	.709	.690	.673	.670	.670	.683	.695	.716	.728	.745	.750	.741	.709
„ 30, ...	.730	.720	.716	.714	.715	.723	.725	.728	.747	.753	.743	.737	.704	.681	.667	.659	.659	.661	.668	.689	.682	.690	.696	.684	.704
„ 31, ...	.672	.666	.654	.647	.654	.665	.682	.697	.697	.696	.691	.676	.657	.643	.628	.624	.624	.622	.625	.639	.647	.657	.664	.672	.658
Hourly Means, ...	29.735	29.721	29.712	29.710	29.715	29.730	29.747	29.760	29.768	29.772	29.766	29.756	29.736	29.717	29.703	29.691	29.690	29.696	29.709	29.724	29.738	29.750	29.752	29.743	29.731

* Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF MAY, 1888.

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,	76.9	76.7	76.5	76.1	76.0	76.8	78.3	80.1	80.9	81.7	81.5	80.9	80.8	76.8	78.8	80.1	79.6	78.8	77.7	77.7	77.3	77.6	77.6	79.3	78.5	81.7	75.9
„ 2,	78.8	77.9	76.6	76.9	77.9	78.5	79.3	79.9	82.7	83.5	83.5	82.9	83.7	83.3	83.6	83.5	81.6	80.9	80.8	80.8	80.9	71.3	71.8	72.3	79.7	85.7	69.9
„ 3,	72.6	72.6	72.5	72.5	72.6	72.1	72.4	72.3	71.9	71.8	72.5	72.7	72.5	73.9	74.8	74.3	74.1	72.6	71.7	71.2	71.0	70.7	70.6	70.1	72.3	75.5	70.1
„ 4,	69.9	69.6	69.9	69.5	69.6	69.6	69.8	70.3	70.2	70.1	70.5	70.2	70.5	71.5	70.5	71.2	71.1	70.8	71.3	71.8	71.8	71.8	71.8	71.8	70.6	72.1	69.4
„ 5,	71.9	71.9	72.1	72.3	72.9	72.9	73.5	74.2	75.7	76.0	77.5	76.9	77.4	76.8	79.9	79.6	79.8	79.8	79.3	78.9	79.0	78.7	78.9	78.8	76.4	79.9	71.8
„ 6,	78.9	78.5	77.4	76.9	77.0	77.3	78.8	81.0	82.9	83.6	83.6	83.7	83.8	82.5	82.8	82.1	81.2	80.5	79.8	79.8	79.9	79.1	79.0	79.3	80.4	84.5	76.9
„ 7,	79.7	79.0	79.8	79.9	79.3	77.9	79.9	81.7	80.5	83.8	84.1	83.1	82.9	83.3	82.8	82.5	81.8	80.7	79.7	80.8	79.9	78.8	78.3	79.0	80.8	84.1	77.8
„ 8,	79.7	79.1	78.6	79.0	78.3	78.9	80.0	81.0	81.8	83.7	84.5	85.6	84.9	84.6	85.5	84.0	83.8	81.8	80.8	80.1	80.0	79.6	78.7	78.1	81.3	86.7	78.1
„ 9,	77.3	77.3	77.3	77.4	77.8	78.0	79.6	81.2	82.4	83.0	83.7	84.7	85.5	85.9	85.6	84.6	83.8	81.8	80.9	79.9	80.1	79.0	78.6	77.4	81.0	86.2	77.0
„ 10,	76.9	76.2	76.4	76.1	75.9	76.5	78.5	81.3	81.7	82.1	80.6	80.7	80.9	81.3	80.8	82.9	80.9	80.2	78.0	78.9	78.8	77.6	77.3	76.7	79.0	83.9	75.9
„ 11,	76.5	76.7	76.9	76.3	76.2	76.8	78.4	77.8	78.1	78.9	80.9	81.4	80.4	83.3	84.1	84.3	82.0	80.8	79.7	80.0	78.8	77.4	77.1	77.1	79.2	84.8	76.1
„ 12,	76.8	76.6	76.2	76.0	75.4	75.9	77.2	80.2	80.5	78.1	77.6	75.7	77.3	76.8	78.6	78.1	78.9	77.9	77.7	75.0	74.8	76.4	76.4	76.0	77.1	80.5	74.7
„ 13,	75.6	75.5	75.3	74.3	74.5	74.3	73.8	73.4	73.8	74.4	74.5	74.8	75.5	76.6	75.7	75.7	74.9	74.8	74.8	74.3	75.3	75.9	76.3	76.1	75.0	76.8	73.4
„ 14,	76.9	76.7	76.2	76.1	74.5	76.3	76.4	76.5	76.9	77.2	77.5	77.6	77.8	77.1	75.6	76.8	76.8	76.8	77.7	77.7	77.8	77.8	78.1	78.1	77.0	78.3	74.4
„ 15,	78.1	78.7	79.0	79.3	79.4	78.5	79.7	82.2	83.0	83.9	83.5	83.8	84.2	83.4	82.8	82.8	81.8	80.8	80.0	79.8	81.0	80.8	80.9	80.9	81.2	84.5	78.0
„ 16,	80.8	81.2	80.9	81.0	81.4	82.1	82.2	82.8	82.6	83.7	83.7	83.9	82.8	74.3	72.8	71.8	71.6	73.3	73.8	73.5	73.4	74.0	74.0	74.2	78.2	84.3	71.6
„ 17,	73.6	73.7	74.1	74.7	75.1	75.2	76.8	77.7	79.4	80.4	79.8	78.5	77.8	78.2	79.4	79.8	78.5	78.0	78.5	77.8	76.7	76.8	76.2	76.5	77.2	80.7	73.3
„ 18,	75.9	76.1	76.5	76.3	78.0	76.9	77.8	77.4	77.7	81.9	80.6	82.0	82.3	80.8	79.9	79.8	78.6	77.7	78.0	77.8	77.8	78.4	78.1	78.3	78.5	84.4	75.9
„ 19,	77.9	80.9	81.7	82.4	82.4	80.6	76.9	77.0	78.6	82.0	84.1	81.7	77.7	76.6	78.8	78.2	77.6	77.5	77.9	78.1	78.3	78.8	78.4	78.4	79.3	84.1	75.5
„ 20,	79.3	79.5	79.8	81.2	81.7	81.8	82.6	83.3	83.8	84.2	84.0	85.1	86.1	85.9	85.1	84.9	83.9	83.7	83.0	82.8	82.2	82.9	82.8	82.9	83.0	87.0	78.4
„ 21,	82.8	82.3	81.9	81.8	82.1	82.5	82.8	83.8	84.9	84.8	85.3	85.6	85.5	86.6	86.5	86.1	84.8	83.8	82.9	82.9	83.6	83.3	83.4	83.1	83.9	87.1	80.8
„ 22,	82.6	82.3	81.3	81.0	80.8	80.2	78.3	78.0	77.9	78.3	79.0	80.0	81.6	80.4	80.9	80.5	78.7	76.9	76.0	75.8	75.6	74.8	74.2	73.1	78.7	83.1	73.1
„ 23,	72.9	72.2	71.3	70.5	71.3	70.4	70.9	71.9	71.9	73.0	73.2	73.0	73.9	74.4	73.2	71.8	71.8	70.3	69.9	69.8	70.1	70.4	70.4	69.8	71.6	75.0	69.8
„ 24,	69.9	70.8	70.8	70.0	70.8	71.3	71.0	71.7	71.6	72.6	74.5	76.1	77.5	75.8	74.6	73.2	71.5	71.0	71.0	72.2	72.8	73.7	73.5	73.4	72.6	77.5	69.8
„ 25,	72.9	72.4	73.1	73.2	73.4	74.0	74.4	74.8	74.8	75.5	74.9	74.0	75.3	75.8	75.4	74.9	74.9	75.7	75.7	75.5	75.7	75.1	75.5	75.4	74.7	76.4	72.4
„ 26,	75.8	75.7	75.5	75.2	74.9	75.3	75.5	75.0	75.7	75.9	76.2	75.9	72.8	73.2	73.8	74.5	74.5	74.9	74.9	75.2	75.6	75.9	75.9	75.7	75.1	77.1	72.8
„ 27,	76.3	76.0	76.1	75.9	75.9	75.9	76.8	77.8	78.6	78.6	79.4	79.1	80.1	80.3	80.9	82.0	80.8	79.8	78.1	80.0	74.8	74.9	74.9	74.6	77.8	82.3	74.3
„ 28,	73.9	74.1	74.0	74.3	73.9	74.0	74.9	76.9	78.6	80.7	81.3	81.6	81.8	82.1	81.8	79.1	78.7	77.2	76.9	76.8	76.9	77.3	77.2	77.0	77.5	83.1	73.8
„ 29,	76.8	77.5	77.2	77.0	77.0	77.5	78.5	79.1	80.5	81.4	81.9	83.7	84.8	84.1	81.7	82.8	81.0	80.6	80.0	78.7	78.8	77.8	77.6	77.6	79.7	84.8	76.5
„ 30,	77.6	77.4	77.8	78.0	78.1	78.4	79.9	82.6	81.6	84.3	84.6	83.9	85.8	83.7	83.8	83.0	81.9	80.2	80.8	78.0	77.8	78.5	79.5	78.3	80.6	85.8	77.2
„ 31,	77.6	76.7	75.9	76.2	75.4	76.0	77.4	79.3	79.7	82.7	84.7	85.1	84.8	84.7	83.8	83.2	83.8	82.4	81.9	81.8	82.0	81.6	80.9	82.4	80.8	85.1	75.4
Hourly Means,	76.6	76.5	76.4	76.4	76.4	76.5	77.2	78.1	78.7	79.7	80.1	80.1	80.3	79.8	79.8	79.6	78.9	78.1	77.7	77.5	77.4	77.0	76.9	76.8	78.0	82.0	74.5

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF MAY, 1888.

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,	73.1	73.9	73.7	73.2	73.8	74.0	74.9	75.0	75.5	75.9	76.2	76.1	76.3	74.1	74.3	75.3	74.7	74.4	74.2	75.0	75.0	75.1	75.3	75.9	74.8	136.6	72.7
„ 2,	75.7	75.7	74.8	74.8	75.2	74.9	75.6	76.1	77.0	76.8	76.9	76.4	77.3	76.2	77.0	77.0	76.6	77.0	76.0	76.9	76.9	70.9	71.8	71.3	75.6	138.5	69.9
„ 3,	71.0	71.2	71.4	71.2	71.5	71.2	71.9	71.7	71.1	71.0	71.2	71.3	71.1	71.1	71.7	71.6	71.6	70.6	69.9	69.4	69.1	69.0	69.1	68.5	70.8	100.9	68.7
„ 4,	68.2	68.3	68.3	68.3	68.4	68.5	68.6	68.8	68.8	68.9	69.2	68.9	69.1	69.3	69.1	69.5	69.5	69.5	70.1	70.6	70.9	70.9	70.8	71.0	69.3	103.1	67.8
„ 5,	71.0	71.0	71.3	71.5	72.0	72.0	72.3	72.5	73.8	74.1	75.0	74.5	74.1	74.0	76.1	75.8	76.0	75.9	75.5	75.6	75.4	75.3	75.3	75.3	74.0	140.3	70.1
„ 6,	75.2	75.3	75.0	75.0	75.6	75.7	76.4	77.0	77.8	77.5	77.7	77.1	78.1	77.6	76.6	77.1	77.2	77.0	76.0	76.5	76.3	76.3	76.0	76.0	76.5	144.7	75.4
„ 7,	75.9	75.8	76.0	76.1	75.8	75.4	77.1	77.4	77.0	77.8	77.3	77.1	77.9	77.2	78.0	77.3	77.7	77.1	77.1	77.0	76.9	77.0	76.6	76.9	76.9	142.6	73.8
„ 8,	76.5	76.3	76.0	76.4	75.7	76.9	77.3	77.9	78.3	78.9	78.7	78.8	78.6	77.9	78.9	78.3	77.2	77.1	76.8	76.9	76.9	76.9	76.6	76.1	77.3	145.7	73.7
„ 9,	76.0	76.3	76.1	76.4	76.3	76.5	77.3	77.1	76.1	77.0	76.7	76.2	75.3	74.4	74.1	76.0	75.0	75.0	75.1	75.0	75.2	75.6	75.5	75.3	76.2	138.4	73.7
„ 10,	75.1	74.5	74.7	74.0	73.9	73.9	75.6	76.9	76.6	76.4	76.2	76.0	76.0	75.9	75.8	75.3	76.1	75.8	75.2	74.9	75.0	74.8	74.9	74.5	75.3	142.4	71.8
„ 11,	74.3	75.1	75.1	75.0	74.6	75.4	76.0	75.0	75.7	75.5	76.7	76.5	75.9	77.0	76.9	76.8	75.9	76.2	76.1	75.8	75.2	75.0	74.6	75.2	75.6	146.4	72.8
„ 12,	75.1	75.1	74.6	74.5	74.0	74.2	75.3	75.8	75.0	74.9	74.0	73.1	74.3	74.1	75.7	74.7	74.8	74.0	74.1	72.7	73.8	73.1	72.9	72.3	74.3	142.6	72.4
„ 13,	72.2	72.1	72.0	71.7	71.7	71.6	71.0	71.1	71.2	71.4	71.6	72.3	72.8	73.2	72.9	72.9	73.0	72.5	72.9	72.8	73.3	73.8	74.3	74.0	72.4	101.5	71.8
„ 14,	74.6	74.2	74.0	73.8	71.8	73.8	74.1	73.8	74.0	74.2	74.6	74.9	75.0	74.7	73.9	74.6	74.0	74.9	75.4	76.6	76.6	76.4	76.5	77.0	74.7	106.0	71.9
„ 15,	76.9	76.5	76.4	76.1	76.0	75.7	76.5	76.6	76.7	77.1	76.3	76.9	78.0	77.5	77.1	77.0	76.7	76.9	76.8	76.7	77.0	77.0	77.1	77.1	76.8	143.6	75.0
„ 16,	76.8	77.0	76.7	77.0	76.6	76.8	76.3	77.0	77.1	78.0	77.7	78.5	78.0	72.7	72.6	70.5	71.0	72.0	71.9	72.2	72.7	72.9	72.5	72.9	74.9	139.3	70.5
„ 17,	73.0	73.1	73.2	73.7	73.7	73.8	75.1	74.7	76.7	76.5	77.0	75.7	75.4	75.0	75.6	76.1	75.9	75.4	76.0	75.9	75.9	76.1	75.1	75.3	75.2	131.0	72.7
„ 18,	75.0	74.9	75.5	74.8	75.7	73.4	74.8	74.7	75.9	78.2	76.2	75.9	76.8	75.9	73.5	74.2	74.2	74.9	74.8	75.1	75.2	76.0	76.9	77.1	75.4	150.5	73.7
„ 19,	76.9	78.4	78.7	78.8	79.0	76.6	75.3	75.9	76.8	78.9	78.3	78.3	76.9	76.0	76.2	77.0	76.2	76.2	76.6	76.9	77.0	77.2	76.8	76.9	77.2	118.9	74.6
„ 20,	77.6	77.8	78.0	79.0	79.0	78.9	78.8	79.1	79.7	79.7	79.6	79.7	80.0	80.9	79.9	79.6	79.1	78.6	79.0	79.0	79.0	79.1	79.2	78.4	79.1	143.1	76.8
„ 21,	78.7	78.7	78.9	78.7	78.8	78.8	79.1	78.9	79.0	79.3	79.4	80.3	80.2	80.2	79.8	80.5	79.9	79.2	78.8	79.1	79.1	79.1	79.1	79.0	79.3	142.5	78.2
„ 22,	79.0	79.3	79.3	79.1	79.4	78.0	76.4	76.1	75.9	75.7	74.2	74.5	75.0	74.1	73.6	73.2	73.0	70.3	69.5	68.9	69.0	68.0	68.4	68.6	74.1	147.5	72.7
„ 23,	67.7	67.2	67.1	67.8	68.0	67.6	66.2	66.3	66.0	67.1	67.7	68.1	69.0	68.7	68.0	67.5	67.7	68.0	67.9	67.5	67.8	67.9	67.5	67.6	67.6	101.8	67.8
„ 24,	67.6	67.1	67.5	67.2	67.7	68.1	67.9	68.1	68.2	68.7	69.7	70.5	71.3	70.1	70.5	70.8	70.7	70.0	70.1	70.7	71.0	71.1	71.1	70.9	69.4	125.6	67.7
„ 25,	70.6	69.8	70.2	69.5	69.3	68.9	69.1	69.7	69.7	70.0	70.1	70.1	71.0	71.5	71.6	71.5	71.8	72.0	71.8	71.9	72.0	72.8	72.5	72.1	70.8	135.2	70.9
„ 26,	72.2	72.6	73.0	72.6	72.7	73.0	73.3	72.9	73.0	73.3	73.8	74.0	72.0	72.1	72.9	72.9	73.3	73.7	73.8	74.0	74.1	74.0	74.1	74.1	73.2	113.1	71.0
„ 27,	74.4	74.4	74.7	74.6	74.5	74.6	75.3	76.0	76.0	76.2	76.8	76.6	77.5	77.5	78.2	77.4	77.0	76.0	76.8	76.2	72.4	72.2	73.0	73.2	75.5	134.0	72.3
„ 28,	73.0	73.2	73.5	73.2	73.5	73.7	74.1	75.6	76.4	76.8	77.3	77.4	76.7	76.7	77.0	76.0	76.1	76.0	76.0	75.8	75.4	75.3	75.5	75.7	75.4	148.7	72.0
„ 29,	75.8	75.7	75.3	75.7	74.7	76.0	76.7	76.7	77.4	77.3	77.6	77.1	78.0	77.0	75.2	76.0	76.1	75.9	76.3	76.2	74.8	74.0	74.4	75.0	76.0	146.3	...
„ 30,	74.5	74.6	75.1	75.3	75.4	76.0	77.3	78.9	78.8	78.9	77.8	78.7	79.6	77.7	77.5	78.1	77.8	77.2	77.8	75.6	75.0	75.0	75.6	75.2	76.8	146.6	75.0
„ 31,	75.0	75.0	74.8	74.8	74.7	75.2	75.6	77.0	77.2	77.3	78.9	78.2	78.1	78.0	78.2	77.6	78.2	77.6	77.1	77.9	77.4	78.0	77.8	77.7	77.0	147.6	74.2
Hourly Means,	74.1	74.2	74.2	74.2	74.2	74.2	74.6	74.8	75.1	75.5	75.5	75.5	75.7	75.1	75.1	75.1	75.0	74.7	74.7	74.7	74.6	74.4	74.4	74.4	74.8	133.7	72.4

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF MAY, 1888.

Hour.	Hourly Mean. Humidity.	Hourly Mean. Tension.	Date.	Daily Mean. Humidity.	Daily Mean. Tension.
			1888.		
1 a	88	0.813	May 1,.....	83	0.814
2 „	89	.819	„ 2,.....	82	.832
3 „	90	.820	„ 3,.....	93	.735
4 „	90	.820	„ 4,.....	93	.700
5 „	90	.820	„ 5,.....	89	.808
6 „	89	.819	„ 6,.....	83	.861
7 „	89	.826	„ 7,.....	83	.873
8 „	85	.822	„ 8,.....	83	.884
9 „	84	.827	„ 9,.....	79	.841
10 „	81	.831	„ 10,.....	83	.828
11 „	80	.825	„ 11,.....	84	.839
Noon.	80	.825	„ 12,.....	87	.812
1 p	80	.831	„ 13,.....	88	.762
2 „	79	.812	„ 14,.....	90	.830
3 „	79	.812	„ 15,.....	81	.863
4 „	80	.815	„ 16,.....	85	.822
5 „	82	.820	„ 17,.....	91	.849
6 „	84	.818	„ 18,.....	86	.839
7 „	86	.824	„ 19,.....	91	.907
8 „	87	.827	„ 20,.....	83	.943
9 „	87	.824	„ 21,.....	81	.940
10 „	88	.820	„ 22,.....	80	.782
11 „	88	.822	„ 23,.....	81	.624
Midt.	88	.823	„ 24,.....	84	.677
			„ 25,.....	82	.702
			„ 26,.....	91	.793
			„ 27,.....	90	.853
			„ 28,.....	91	.853
			„ 29,.....	84	.849
			„ 30,.....	84	.872
			„ 31,.....	84	.878
Mean, ...	85	0.821	Mean,.....	85	0.821

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.
1888.														
May 1,	...	0.1	0.9	0.8	0.7	0.3	0.5	0.1	0.3	1.0	1.0	1.0	...	6.7
„ 2,	...	0.6	0.7	1.0	1.0	1.0	0.4	0.9	1.0	0.8	0.5	...	...	7.9
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	0.3	0.2	0.2	0.9	0.8	0.6	0.5	0.2	...	...	...	0.2	3.9
„ 6,	...	0.5	0.9	1.0	0.9	0.8	0.7	0.7	0.9	0.9	0.6	0.5	0.3	8.7
„ 7,	...	1.0	0.7	0.5	1.0	0.9	0.3	0.6	...	0.6	0.7	0.7	0.2	7.2
„ 8,	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	0.4	11.4
„ 9,	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
„ 10,	...	1.0	1.0	0.9	0.9	0.1	0.2	0.3	0.5	0.2	0.7	0.9	0.2	6.9
„ 11,	...	0.1	...	...	0.6	1.0	0.7	0.1	0.7	1.0	1.0	0.6	...	5.8
„ 12,	...	0.5	1.0	0.6	...	0.1	...	0.5	0.6	0.5	0.5	0.6	...	4.9
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	0.6	1.0	1.0	1.0	1.0	1.0	0.9	0.2	0.8	0.6	0.1	...	8.2
„ 16,	...	...	0.3	0.7	0.7	0.3	0.6	...	...	...	...	...	...	2.6
„ 17,	...	...	0.1	0.4	0.7	...	...	...	0.1	0.7	1.0	0.1	...	3.1
„ 18,	...	...	...	...	0.5	0.6	0.9	...	...	...	...	...	...	2.0
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	0.4	0.5	0.6	0.5	0.7	1.0	1.0	1.0	1.0	0.1	...	6.8
„ 21,	...	0.4	0.3	0.9	0.9	1.0	0.2	0.5	1.0	1.0	1.0	0.6	...	7.8
„ 22,	...	...	...	...	...	...	0.6	0.4	...	...	...	...	...	1.0
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	0.1	...	...	...	...	...	...	...	0.1
„ 25,	...	...	...	...	...	...	...	0.2	0.4	...	...	...	...	0.6
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	0.2	0.3	0.5	...	...	...	1.0
„ 28,	...	...	...	...	0.2	1.0	0.2	0.4	0.6	0.3	..	...	...	2.7
„ 29,	...	0.3	1.0	0.7	0.1	0.7	1.0	1.0	0.7	0.1	1.0	0.3	...	6.9
„ 30,	...	...	0.5	0.3	0.9	0.1	...	0.9	0.8	0.7	...	0.1	0.2	4.5
„ 31,	...	...	...	0.2	1.0	1.0	1.0	1.0	0.7	0.5	...	0.8	0.1	6.3
Sums,.....	0.7	7.4	11.0	11.7	14.6	13.3	11.6	12.2	12.0	12.6	11.3	8.4	2.1	128.9
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF MAY, 1888.

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,	...	...	...	...	...	...	...	...	...	...	...	...	0·180	0·040	...	...	...	...	...	...	...	...	...	...	0·220
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·465	0·155	0·090	1·710
„ 3,	0·165	0·140	0·045	0·010	0·035	0·205	0·245	0·315	0·310	0·100	0·055	0·030	0·035	...	...	...	...	...	...	...	...	...	...	...	1·690
„ 4,	...	...	...	0·005	...	...	...	0.020	...	...	0·005	0·160	...	...	0·210	...	...	...	...	...	0·040	...	...	...	0·440
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	...	...	...	0·015
„ 7,	...	...	...	...	...	...	...	...	0·015	...	...	...	...	...	0·020	...	...	...	...	...	0·005	0·025	0·005	...	0·070
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	0.025	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·035
„ 12,	...	...	...	...	...	...	...	...	...	0·135	...	0·090	0·005	...	...	...	...	...	...	0·040	0·120	...	...	...	0·390
„ 13,	...	...	...	...	...	0·020	...	...	...	...	...	...	...	...	...	...	...	...	0·020	...	...	...	...	0·005	0·045
„ 14,	...	...	0·005	...	...	...	0·005	...	0·005	...	...	...	...	0·040	0·150	...	...	...	...	...	0·055	0·005	...	0·005	0·270
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	0·010	...	0·410	0·330	0·390	0·230	0·090	0·160	...	...	0·020	...	0·360	2·000
„ 17,	0·335	0·280	...	...	...	...	...	...	...	...	...	0·025	0·040	...	...	...	...	...	0·010	0·065	0·010	...	...	...	0·765
„ 18,	...	...	...	...	0·080	...	...	...	...	...	...	...	...	...	...	...	0·035	0·015	...	...	0·005	...	0·010	0·150	0·295
„ 19,	0·195	0·005	...	0·010	0·035	0·385	0·405	0.020	0·010	...	...	0·060	2.740	2·020	0·005	0·045	...	0·040	...	...	...	...	...	...	5·975
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	0·095	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·095
„ 22,	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 23,	...	...	0·015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·080	0·160	0·025	0·020	0·010	...	...	0·310
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·570	0·750	0·185	...	...	...	...	...	...	1·505
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	0·300	...	0·025	0·035	...	...	0·895	0·520	0·215	0·050	0·030	...	...	...	...	...	...	...	...	2.070
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·270	0·030	0·020	...	...	0·320
„ 28,	0·040	0·075	...	0·125	0·155	0·075	...	0·010	...	...	...	...	...	...	...	...	0·015	0·235	0·045	...	...	...	...	0·005	0·780
„ 29,	0·110	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·040	...	...	...	...	0·150
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·015	0·030	...	...	...	...	0·005	0·050
„ 31,	0·020	0·115	0·005	..	0·170	...	...	...	...	...	...	...	...	0·005	...	...	...	...	...	...	0·005	...	...	...	0·320
Sums,	0·865	0·615	0·165	0·160	0·475	0·985	0·655	0·415	0·375	0·245	0·060	1·270	3·520	2·730	0·765	1·035	1·030	0·660	0·425	0·440	0·300	1·545	0·170	0·620	19·525

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF MAY, 1888.

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.		
May 1,	31	5	29	3	29	3	...	1	4	3	4	5	11	4	7	7	7	5	8	6	8	8	8	14	12	17	13	3	13	4	22	2	22	2	18	4	12	4	6	6	6	7	10	5	10	4	15	9	131	5.5
,, 2,	15	7	16	7	16	5	17	5	17	8	18	11	18	8	16	9	18	12	18	15	19	10	18	12	18	14	18	17	18	12	18	17	18	17	18	15	16	10	18	13	20	15	30	17	28	5	16	3	264	11.0
,, 3,	16	2	10	5	10	9	8	19	8	16	9	23	7	21	7	22	7	26	7	29	7	26	7	25	10	17	8	17	9	18	8	17	7	13	7	22	7	23	7	28	7	24	7	25	7	25	7	28	480	20.0
,, 4,	7	26	7	29	7	26	7	25	7	23	7	29	7	29	7	26	7	25	7	27	7	23	7	18	7	23	7	23	7	19	7	27	7	25	7	21	7	18	8	16	8	19	8	16	8	15	7	17	545	22.7
,, 5,	8	17	8	20	8	23	8	20	9	19	8	19	8	19	7	19	8	16	8	19	8	17	8	14	7	18	8	18	14	13	14	11	15	12	15	13	15	12	15	11	15	13	14	11	15	10	15	11	375	15.6
,, 6,	15	10	15	7	12	4	8	4	6	7	7	5	14	6	15	11	15	10	15	12	15	13	16	10	15	11	15	12	17	10	16	11	15	12	15	9	15	8	...	1	14	2	15	11	15	12	15	7	205	8.5
,, 7,	15	7	13	5	14	5	16	11	17	6	10	2	...	1	17	3	18	4	18	9	17	10	17	8	18	9	18	10	18	7	17	8	16	12	17	8	...	1	...	1	11	3	7	2	14	2	14	5	139	5.8
,, 8,	17	6	16	5	16	4	16	6	17	2	17	2	22	3	28	3	29	5	29	5	15	7	15	10	15	12	16	10	20	11	17	9	18	8	17	7	17	5	17	4	...	0	...	0	...	1	...	1	126	5.2
,, 9,	26	2	...	1	...	1	...	0	...	0	...	1	...	1	26	4	27	7	26	11	24	11	23	12	23	11	22	10	18	10	16	10	17	7	16	5	...	1	...	1	...	0	25	4	29	4	31	3	117	4.9
,, 10,	2	2	8	2	7	3	...	1	8	2	...	0	...	0	11	3	8	8	8	12	8	14	7	14	8	17	7	14	8	11	12	7	9	12	8	14	9	9	8	6	7	4	7	2	7	3	...	0	160	6.7
,, 11,	9	3	9	6	9	5	11	3	12	4	11	4	11	6	9	5	5	7	7	11	7	10	8	9	8	10	7	4	24	5	23	5	23	5	23	4	29	3	...	0	29	2	29	2	...	1	...	1	115	4.8
,, 12,	25	4	...	1	19	2	...	1	8	2	...	0	...	1	9	4	9	11	8	20	10	27	31	15	6	15	8	19	9	21	7	17	8	18	7	16	7	18	8	23	7	16	7	21	7	23	7	25	320	13.3
,, 13,	7	23	6	21	6	22	6	19	6	19	6	21	6	21	6	23	7	23	7	23	6	20	6	20	7	15	8	18	8	18	7	15	7	18	7	16	6	14	7	15	6	18	7	19	9	23	8	18	462	19.3
,, 14,	10	14	7	18	7	11	7	16	8	16	7	16	8	16	7	18	7	20	7	21	7	23	7	19	7	19	9	17	9	12	8	12	7	14	7	10	7	11	8	16	9	19	9	14	8	14	9	16	382	15.9
,, 15,	9	11	11	13	13	8	14	10	14	8	15	3	...	1	14	4	15	9	15	10	15	12	15	9	15	8	16	9	15	8	16	9	15	10	17	7	16	5	13	6	14	15	15	10	15	15	16	13	213	8.9
,, 16,	16	15	16	18	18	15	16	15	18	15	18	21	18	19	19	17	18	19	18	20	18	25	18	32	18	36	28	27	25	17	27	14	24	9	23	4	21	4	26	4	32	2	9	5	7	7	6	7	367	15.3
,, 17,	6	5	6	6	6	8	7	7	7	11	8	13	11	9	17	10	25	6	18	7	28	6	19	5	16	5	15	9	23	5	28	8	27	7	29	5	28	6	13	7	6	5	28	8	26	6	1	3	167	7.0
,, 18,	...	1	...	1	...	1	32	2	15	9	2	8	32	5	27	9	24	9	23	9	26	11	24	7	19	11	22	7	24	5	27	3	30	4	9	4	8	8	8	15	8	9	7	13	7	10	6	7	168	7.0
,, 19,	1	5	17	17	17	20	18	20	18	22	23	25	28	12	16	5	16	2	17	3	17	8	15	7	28	19	28	7	4	3	6	9	6	13	7	11	6	10	5	9	5	8	5	5	7	9	7	9	258	10.7
,, 20,	7	5	7	5	10	4	15	11	15	15	16	13	17	13	17	15	16	8	16	11	17	15	17	19	17	19	17	19	17	17	18	18	17	19	17	14	16	11	15	12	16	15	16	16	16	13	17	16	323	13.5
,, 21,	17	14	17	11	16	9	18	11	18	14	17	14	18	11	19	13	19	15	19	20	19	18	19	18	19	16	18	14	19	14	18	13	17	9	17	12	17	10	17	10	18	13	18	11	18	9	19	10	309	12.9
,, 22,	20	12	20	13	21	11	22	10	23	6	24	9	24	15	24	19	24	19	23	11	2	7	3	7	14	8	26	7	32	8	2	7	1	11	1	13	1	10	1	13	2	13	2	16	3	7	1	6	258	10.8
,, 23,	1	9	1	6	32	4	32	3	...	1	6	4	2	9	1	10	1	11	1	8	2	6	1	3	6	3	3	9	1	8	1	10	1	10	2	8	1	9	1	7	5	14	5	17	5	17	4	13	199	8.3
,, 24,	4	18	4	15	4	17	6	15	5	15	5	18	5	13	5	8	1	7	4	10	5	11	5	13	6	12	7	14	7	11	3	8	8	13	6	5	7	9	7	11	7	11	7	14	7	15	7	20	303	12.6
,, 25,	7	22	7	20	7	17	7	16	7	19	6	18	6	18	6	21	7	23	7	25	7	20	6	24	7	24	7	26	6	21	6	20	7	19	7	21	7	22	7	22	7	22	7	19	7	23	7	23	505	21.0
,, 26,	7	24	7	22	7	21	7	21	7	22	8	20	8	19	7	20	7	20	7	22	7	19	8	13	6	12	7	5	4	9	10	6	8	6	7	6	7	7	7	7	7	8	7	9	7	8	8	8	334	13.9
,, 27,	8	5	7	5	7	8	7	8	8	10	9	11	8	10	8	14	8	15	8	15	7	12	7	13	8	12	8	12	10	7	14	5	14	5	14	4	12	4	8	9	20	9	23	9	22	9	23	6	217	9.0
,, 28,	24	4	24	5	27	8	27	6	27	3	26	4	...	0	26	3	27	3	26	8	23	12	22	11	21	13	19	18	19	12	22	10	21	11	24	11	26	5	30	3	8	7	10	4	9	6	8	3	170	7.1
,, 29,	13	4	20	7	22	5	25	5	23	7	23	5	23	6	25	4	26	7	23	11	22	11	19	14	19	14	20	15	18	14	19	10	19	7	20	9	20	4	19	4	19	4	28	3	28	3	...	1	174	7.2
,, 30,	...	0	...	1	...	1	27	2	27	2	27	2	...	1	...	1	27	4	17	7	16	6	16	6	16	8	16	9	15	10	16	7	16	9	15	12	15	13	16	4	15	4	8	3	15	7	15	6	125	5.2
,, 31,	15	5	10	2	15	3	10	4	13	3	13	3	32	4	30	3	30	4	23	12	19	17	19	17	19	15	19	20	19	16	19	14	19	17	19	12	19	9	19	9	20	11	21	10	21	7	19	11	228	9.5
Sums,	...	287	...	297	...	283	...	297	...	309	...	329	...	301	...	333	...	360	...	429	...	435	...	418	...	443	...	419	...	356	...	339	...	354	...	322	...	283	...	293	...	312	...	321	...	313	...	306	8139	339.1
Hourly Means,	...	9.3	...	9.6	...	9.1	...	9.6	...	10.0	...	10.6	...	9.7	...	10.7	...	11.6	...	13.8	...	14.0	...	13.5	...	14.3	...	13.5	...	11.5	...	10.9	...	11.4	...	10.4	...	9.1	...	9.5	...	10.1	...	10.4	...	10.1	...	9.9	262.5	10.9

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR MAY, 1888.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	1.2	5.4	2.6	0.6	−1.5	+ 4.8	E 17° S
2 „	0.9	5.8	3.0	0.7	2.1	5.1	E 22° S
3 „	1.1	5.6	2.6	0.8	1.5	4.7	E 18° S
4 „	0.7	5.6	2.9	1.0	2.2	4.6	E 26° S
5 „	0.8	5.9	3.1	1.1	2.3	4.8	E 26° S
6 „	1.3	6.4	2.1	1.8	0.8	4.6	E 10° S
7 „	1.5	5.6	2.1	1.5	0.5	4.2	E 7° S
8 „	1.4	5.8	2.5	1.9	1.1	3.9	E 16° S
9 „	1.4	6.4	2.2	2.5	0.9	3.9	E 13° S
10 „	0.8	7.6	3.2	3.0	2.4	4.6	E 28° S
11 „	1.1	7.2	4.4	2.8	3.3	4.5	E 36° S
Noon.	1.5	6.1	4.8	2.6	3.3	3.5	E 43° S
1 p.	0.9	6.5	6.0	3.0	5.1	3.5	E 56° S
2 „	1.1	6.3	4.8	3.1	3.7	3.2	E 49° S
3 „	1.0	4.8	4.4	2.7	3.3	2.1	E 58° S
4 „	1.6	4.4	4.4	2.1	2.8	2.3	E 51° S
5 „	1.1	4.9	4.5	1.8	3.5	3.1	E 48° S
6 „	0.8	4.8	3.9	1.4	3.1	3.4	E 42° S
7 „	1.1	4.9	2.9	0.7	1.8	4.2	E 23° S
8 „	1.0	6.1	2.3	0.6	1.2	5.5	E 12° S
9 „	1.3	6.2	2.8	1.1	1.5	5.1	E 16° S
10 „	1.7	6.3	2.1	1.3	0.4	5.0	E 5° S
11 „	0.9	6.5	2.5	0.9	1.6	5.6	E 16° S
Midt.	0.8	6.1	2.7	0.7	−1.9	+ 5.5	E 19° S
Mean,.....	1.1	5.9	3.3	1.7	−2.2	+ 4.2	E 27° S

TABLE IX.

DIRECTION AND FORCE OF THE WIND AND RAINFALL AT VICTORIA PEAK, AND RAINFALL AT THE OBSERVATORY.

Date.	10 a.		4 p.		10 p.		Rain.		
	Direction	Force.	Direction	Force.	Direction	Force.	Peak.	Observatory.	Duration.
1888.							ins.	ins.	hrs.
May 1,.....	S	2	S	3	S	4	0.68	0.220	1
„ 2,.....	SW	4	S	5	S	5	3.25	3.255	13
„ 3,.....	E	4	SE	4	SE	4	...	0.170	12
„ 4,.....	E	4	ESE	4	SE	4	...	0.415	4
„ 5,.....	SE	4	SE	4	S	4	...	0.005	1
„ 6,.....	SW	4	S	5	S	4	...	0.025	1
„ 7,.....	S	4	S	4	S	3	...	0.055	1
„ 8,.....	SW	4	S	4	S	3	...	...	...
„ 9,.....	S	3	S	4	S	3	...	...	...
„ 10,.....	S	3	S	2	S	3	...	0.035	1
„ 11,.....	SE	3	S	4	S	3	...	0.080	1
„ 12,.....	S	3	E	4	E	4	...	0.330	5
„ 13,.....	E	5	ESE	4	ESE	4	0.25	0.040	9
„ 14,.....	ESE	4	SE	4	SE	4	0.20	0.255	4
„ 15,.....	S	3	S	4	S	4	1.12	...	...
„ 16,.....	S	5	NW	4	SW	5	1.54	2.615	10
„ 17,.....	S	4	SW	4	SW	4	0.32	0.230	5
„ 18,.....	SW	4	SW	4	SW	4	0.58	1.280	9
„ 19,.....	S	4	SW	4	SW	5	4.85	4.910	4
„ 20,.....	S	5	S	5	S	5	...	0.095	1
„ 21,.....	SW	4	S	5	SW	4	...	0.005	1
„ 22,.....	NW	3	NW	3	NE	4	0.10	0.015	1
„ 23,.....	NE	4	ENE	4	ENE	5	0.39	0.295	4
„ 24,.....	E	4	E	5	E	5	0.86	1.505	4
„ 25,.....	E	5	ESE	4	SE	4	1.86	0.360	3
„ 26,.....	E	4	S	5	SW	4	...	1.710	5
„ 27,.....	SE	4	S	4	S	5	0.75	0.800	9
„ 28,.....	SW	4	SW	4	SW	4	...	0.410	3
„ 29,.....	SW	4	SW	4	SW	4	...	0.040	1
„ 30,.....	S	4	S	4	S	4	...	0.360	2
„ 31,.....	SW	4	S	5	SW	5	...	0.040	1
Mean,.....	S 13° E	3.9	S 8° E	4.1	S 2° E	4.1	16.75	19.555	116

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1888.	ins.	ins.	ins.	°	°	°	°	°	°	°
May 1,.....	28.190	28.130	28.077	74.0	72.2	71.7	138.5	75.5	70.2	69.4
„ 2,.....	.100	.026	27.995	73.2	73.7	70.9	129.7	74.3	69.5	68.7
„ 3,.....	.085	.062	28.073	69.8	68.1	67.7	104.0	70.9	67.3	66.8
„ 4,.....	.071	.055	.047	67.0	66.5	66.0	100.7	69.9	65.8	65.4
„ 5,.....	.086	.034	.024	71.4	72.0	71.2	124.7	74.6	65.3	64.6
„ 6,.....	.073	27.989	.014	73.4	74.1	72.0	136.4	75.8	71.2	70.3
„ 7,.....	.068	28.032	.061	73.8	74.5	73.9	138.2	76.5	72.0	71.4
„ 8,.....	.117	.068	.080	74.8	74.1	73.4	140.5	76.2	71.9	71.7
„ 9,.....	.175	.072	.084	75.0	75.7	73.7	130.8	76.6	73.1	73.3
„ 10,.....	.193	.170	.157	74.7	75.7	73.7	149.7	77.5	72.7	68.1
„ 11,.....	.198	.153	.158	72.7	75.7	74.5	143.7	76.6	72.5	71.6
„ 12,.....	.150	.071	.055	73.8	73.9	71.9	134.0	75.8	71.3	68.1
„ 13,.....	.093	.049	.061	69.5	70.8	69.6	103.1	73.2	67.4	66.0
„ 14,.....	.109	.058	.037	71.1	70.7	70.0	101.7	72.9	69.6	68.3
„ 15,.....	.057	27.999	.005	73.8	74.7	73.7	140.2	76.2	70.0	69.7
„ 16,.....	27.959	.916	27.904	74.1	69.8	68.2	103.8	74.3	68.2	68.8
„ 17,.....	.924	.880	.900	71.8	72.8	69.8	127.6	74.6	68.2	68.4
„ 18,.....	.941	.919	.940	72.2	72.7	69.7	139.1	76.2	69.6	69.3
„ 19,.....	.935	.883	.893	74.8	75.7	74.5	125.8	76.5	69.6	71.3
„ 20,.....	.916	.869	.909	75.8	76.5	75.4	123.3	77.2	74.0	75.4
„ 21,.....	.947	.930	.953	76.4	78.0	75.6	124.4	78.1	74.2	74.7
„ 22,.....	28.018	28.001	28.030	73.1	74.7	71.0	140.6	76.2	70.5	63.3
„ 23,.....	.053	.054	.050	67.7	67.5	64.8	111.2	71.0	64.3	63.1
„ 24,.....	.088	.056	.047	65.8	67.5	66.7	129.2	68.9	64.6	64.4
„ 25,.....	.077	.032	.045	66.8	67.8	67.2	102.0	70.9	66.1	66.3
„ 26,.....	.049	.039	.026	69.7	68.7	68.0	103.5	69.7	66.6	65.8
„ 27,.....	.055	.005	.009	71.4	73.3	72.5	140.6	74.3	67.9	67.6
„ 28,.....	.031	27.983	27.982	71.8	73.0	69.7	112.2	74.5	69.6	70.8
„ 29,.....	.034	28.009	28.017	72.8	73.5	72.7	135.1	75.6	69.6	69.4
„ 30,.....	.047	.009	27.984	73.8	74.8	74.0	136.2	76.2	72.6	73.7
„ 31,.....	.000	27.965	27.948	73.4	74.7	73.8	130.2	75.1	72.9	73.1
Mean,.....	28.059	28.017	28.018	72.2	72.7	71.2	125.8	74.6	69.6	69.0

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND VICTORIA PEAK.

Date. 1888.	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.
May 1,.....	76	79	89	88	95	95	0.818	0.813	0.839	0.742	0.757	0.743
„ 2,.....	73	73	98	98	99	98	.832	.841	.752	.803	.825	.743
„ 3,.....	96	87	91	99	93	94	.750	.740	.687	.723	.643	.637
„ 4,.....	94	91	96	88	98	97	.692	.700	.746	.580	.641	.623
„ 5,.....	91	83	84	99	99	98	.818	.842	.832	.763	.778	.754
„ 6,.....	75	79	88	98	98	98	.862	.865	.870	.808	.828	.771
„ 7,.....	75	78	92	99	96	98	.873	.869	.905	.823	.819	.822
„ 8,.....	80	76	88	93	100	93	.925	.893	.889	.802	.844	.764
„ 9,.....	75	66	85	81	85	90	.848	.783	.841	.702	.759	.749
„ 10,.....	76	69	87	93	83	90	.834	.776	.827	.800	.736	.749
„ 11,.....	84	70	89	98	90	89	.838	.822	.837	.785	.800	.763
„ 12,.....	85	84	85	94	88	90	.823	.815	.772	.783	.743	.704
„ 13,.....	86	87	90	95	95	96	.730	.773	.807	.686	.722	.699
„ 14,.....	86	90	93	97	98	98	.807	.829	.892	.744	.741	.720
„ 15,.....	72	76	84	96	94	99	.840	.851	.878	.803	.812	.825
„ 16,.....	76	94	95	100	99	98	.883	.730	.796	.840	.723	.677
„ 17,.....	83	84	97	97	95	98	.861	.852	.893	.758	.769	.719
„ 18,.....	84	76	89	92	90	95	.917	.771	.866	.730	.724	.694
„ 19,.....	87	94	93	100	99	100	.947	.913	.914	.864	.882	.855
„ 20,.....	81	78	84	85	99	96	.955	.941	.944	.758	.901	.843
„ 21,.....	77	78	82	98	93	89	.928	.967	.939	.890	.895	.793
„ 22,.....	89	69	69	98	90	91	.855	.720	.595	.796	.776	.692
„ 23,.....	72	79	88	89	92	97	.587	.617	.651	.606	.619	.598
„ 24,.....	81	88	88	97	95	97	.651	.722	.728	.616	.639	.639
„ 25,.....	75	84	89	95	98	99	.661	.727	.777	.624	.671	.661
„ 26,.....	88	92	91	99	99	98	.787	.789	.815	.720	.696	.672
„ 27,.....	89	81	87	98	97	95	.872	.879	.756	.755	.794	.761
„ 28,.....	83	87	91	99	97	98	.870	.857	.852	.773	.790	.713
„ 29,.....	83	72	83	98	96	98	.883	.807	.790	.788	.791	.789
„ 30,.....	77	79	84	99	99	99	.916	.897	.822	.827	.852	.833
„ 31,.....	77	77	85	98	96	99	.866	.872	.912	.808	.825	.823
Mean, ...	81	81	88	95	95	96	0.830	0.815	0.820	0.758	0.768	0.736

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
1888.												
May 1, ...	10	cum.	SW	9	sm-cum. / cum.	S	10	sm-cum. / cum.	WSW / S	10	sm-cum. / cum.	W / SSW
„ 2, ...	9	cum.	SW	8	cum.	SW	7	c-cum. / cum.	W / SSW	7	c-str. / cum.	W / SW
„ 3, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	nim.	E
„ 4, ...	10	nim.	...	10	nim.	...	10	nim.	E	10	nim.	E
„ 5, ...	10	cum.	...	9	cum.	SW	6	R-cum.	E	9	sm-cum. / cum. / R-cum.	WSW / SSW / E
„ 6, ...	8	cum.	SW	9	cum.	SW	6	c-cum. / cum.	SW / SW	6	cum.	SSW
„ 7, ...	7	cum.	SW	4	cum.	SSW	5	cum.	SSW	5	cum.	SSW
„ 8, ...	8	cum.	SSW	2	cum.	S	4	cum.	S	4	cum.	SSW
„ 9, ...	1	cum.	...	6	cum.	SW	2	cum.	...	1	cum.	...
„ 10, ...	1	cum.	...	0	...	...	4	cum.	S	5	cum.	SSE
„ 11, ...	0	...	...	1	cum.	S	8	cum.	ESE	6	cum.	S
„ 12, ...	1	cum.	...	2	sm-cum. / cum.	...	5	sm-cum. / cum.	W / E	10	nim.	E
„ 13, ...	9	cum-nim.	ESE	10	cum-nim.	ESE	10	cum-nim.	ESE	10	cum-nim.	ESE
„ 14, ...	10	nim.	...	10	cum-nim.	E	10	nim.	E	10	cum-nim.	ESE
„ 15, ...	10	cum-nim.	SE	10	cum-nim.	S	10	sm-cum. / cum.	W / S	8	c-cum. / cum.	W / S
„ 16, ...	9	R-cum.	SW	10	cum.	SW	10	cum.	SW	9	c-str. / cum.	W / SW
„ 17, ...	10	nim.	...	10	cum-nim.	...	10	nim.	S	8	c-str. / cum.	SW
„ 18, ...	3	str.	...	10	cum-nim.	...	10	sm-cum. / cum-str.	W / WSW	8	sm-cum. / cum.	WSW / SW
„ 19, ...	10	nim.	...	10	cum-nim.	SSW	10	nim.	SW	10	c-cum. / cum.	W / S
„ 20, ...	10	R-cum.	S	10	cum.	SSW	10	c-str. / c-cum. / cum.	SW	10	R-cum.	SW
„ 21, ...	8	c-cum. / cum.	SW	9	R-cum.	SW	8	c-cum. / R-cum.	SW	8	c-cum. / R-cum.	SW
„ 22, ...	10	c-cum. / cum.	SW	10	cum.	SW	10	cum-str.	W	10	R-cum.	NE
„ 23, ...	10	str.	...	8	cum.	...	10	str-cum.	NE	10	str.	...
„ 24, ...	10	R-cum.	E	10	cum-nim.	ENE	10	cum-nim.	ENE	10	R-cum.	ENE
„ 25, ...	8	c-cum. / sm-cum.	WSW / WSW	10	cum-nim.	NE	10	str-cum.	SSE	10	R-cum.	E
„ 26, ...	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	ESE	10	cum-nim.	ESE
„ 27, ...	10	cum.	...	10	cum.	...	10	c-cum. / sm-cum. / cum.	SSW	10	sm-cum. / cum.	SSE
„ 28, ...	9	sm-cum. / nim.	WSW /	10	nim.	SW	10	nim.	WSW	10	sm-cum. / cum.	W / WSW
„ 29, ...	10	cum-nim.	SSW	10	cum.	SW	9	c-cum. / cum.	WSW / SW	9	sm-cum. / cum.	W / SW
„ 30, ...	9	c-cum. / sm-cum. / cum.	NW / WSW / SSW	9	sm-cum. / cum.	WSW / SSW	9	sm-cum. / cum.	W / SW	8	c-cum. / sm-cum. / cum.	W / WSW / SSW
„ 31, ...	10	c-str. / cum.	SW	10	nim.	SW	10	c-str. / nim.	SW	5	c-cum. / cum.	W / SW
Mean,.....	8.1	...	...	8.3	...	...	8.5	...	...	8.3	...	...

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	
1888.													
May 1,.....	10	nim.	S	7	c str. / sm-cum. / cum.	WSW / W / SSW	10	c-str. / cum.	S	10	cum.	S	9.5
„ 2,.....	9	c-str. / cum.	SSW	10	c-str. / cum.	SSW	10	cum.	SSW	10	nim.	...	8.7
„ 3,.....	10	nim.	E	10	str-cum. / cum-nim.	E	10	cum-nim.	E	10	nim.	...	10.0
„ 4,.....	10	cum-nim.	E	10	str-cum. / cum-nim.	WNW / E	10	cum-nim.	E	10	cum.	S	10.0
„ 5,.....	8	sm-cum. / cum.	SSW	10	c-str. / cum-nim.	S	8	cum.	S	7	cum.	S	8.4
„ 6,.....	7	cum.	SSW	9	cum.	SSW	2	c-cum. / cum.	SW	2	cum.	SSW	6.1
„ 7,.....	5	cum.	SSW	7	cum.	SSW	3	cum.	SSW	10	cum-nim.	SSW	5.8
„ 8,.....	4	c-str. / cum.	SSW	7	c-str. / cum.	SSW	1	cum.	S	2	cum.	S	4.0
„ 9,.....	1	cum.	...	1	c-str. / cum.	S	1	c-str. / cum.	...	1	cum.	...	1.7
„ 10,.....	7	cum.	S	2	c-str. / cum.	ESE	1	cum.	...	0	...	...	2.5
„ 11,.....	9	cum.	S	3	c-cum. / cum.	NW / SW	10	c-cum. / str.	WSW /	2	cum.	...	4.9
„ 12,.....	7	cum-str. / cum.	E	9	str-cum. / cum.	W / E	10	cum.	ESE	10	cum-nim.	ESE	6.8
„ 13,.....	10	cum-nim.	ESE	10	nim.	SSE	10	nim.	ESE	10	cum-nim.	E	9.9
„ 14,.....	10	cum-nim.	ESE	10	c-cum. / cum. / cum-nim.	.... / SW / SE	10	cum.	SE	10	cum-nim.	SE	10.0
„ 15,.....	10	c-str. / cum.	SSW	10	c-str. / sm-cum. / cum.	.... / W / SSW	10	c. / cum.	SSW	10	cum.	SSW	9.7
„ 16,.....	10	c-str. / cum-nim.	SW	10	nim.	...	10	nim.	...	10	nim.	SW	9.8
„ 17,.....	10	nim.	SW	6	c-str. / sm-cum. / cum.	.... / W / SW	10	nim.	SW	10	cum-str.	...	9.2
„ 18,.....	10	nim.	SW	10	str-cum.	WSW	9	cum.	S	10	cum.	S	8.8
„ 19,.....	10	nim.	...	10	nim.	S	10	cum.	S	10	R-cum.	S	10.0
„ 20,.....	7	cum.	SW	9	c-str. / cum.	SW	9	c-cum. / R-cum.	SSW	9	cum.	SSW	9.2
„ 21,.....	7	c-str. / c-cum. / cum.	NNE / SW / SW	9	c-str. / cum.	NNE / SW	9	c-str. / cum.	SW	10	c-str. / cum.	SW	8.5
„ 22,.....	10	sm-cum. / cum.	W / WSW	10	sm-cum. / cum.	W / ENE	10	R-cum.	ENE	10	R-cum.	...	10.0
„ 23,.....	10	nim.	...	10	str-cum.	ENE	10	nim.	ENE	10	cum. / nim.	E	9.8
„ 24,.....	10	sm-cum. / cum.	WSW / ENE	10	nim.	ENE	10	nim.	NE	10	R-cum.	ENE	10.0
„ 25,.....	10	str-cum. / cum-nim.	W / E	10	str-cum. / cum-nim.	E	10	nim.	E	10	nim.	E	9.7
„ 26,.....	10	nim.	ESE	10	nim.	SSE	10	cum-nim.	SSE	10	cum.	S	10.0
„ 27,.....	10	sm-cum. / cum.	SSW	10	sm-cum. / cum.	W / SSW	10	cum.	SW	10	cum-nim.	SW	10.0
„ 28,.....	10	sm-cum. / cum.	W / WSW	10	c-cum. / cum.	SW	10	nim.	WSW	10	cum.	WSW	9.9
„ 29,.....	5	sm-cum. / cum.	WSW / SW	7	c-cum. / cum.	W / SW	10	sm-cum. / cum.	W / SW	10	cum-nim.	SW	8.8
„ 30,.....	9	c-str. / sm-cum. / cum.	.... / WSW / SSW	10	c-str. / cum.	W / SSW	9	cum.	SSW	10	cum-nim.	SSW	9.1
„ 31,.....	8	c-cum. / cum.	W / SW	10	c-str. / cum.	W / SW	8	c-str. / cum.	W / SW	8	cum.	SW	8.6
Mean,.....	8.5	...	...	8.6	...	...	8.4	...	...	8.4	...	...	8.4

JUNE, 1888.

Lightning without thunder—1st, 2nd, 7th, 11th, 13th, 14th, 15th, 17th, 20th, 27th, 28th and 30th.

Thunder without lightning—9th and 27th.

Thunder and lightning—3rd, early morning; 24th, at 5 a.; and 29th, at 3.30 a.

Thunderstorms—8th, $9^{h.}$ $30^{m.}$ to $10^{h.}$ $30^{m.}$ p. in W, nearest at 10.15 p. (8s.); 9th, $6^{h.}$ $30^{m.}$ to 8 p. in E, nearest at 7.26 p. (18s.); 25th, 10 p. to 26th midt. between SW and SE, nearest 25th 10.38 p. (5s.), 11.40 p. (6s.); 26th, 0.45 a. (7s.), 2 a. (10s.), 6.53 a. (3s.), 7.49 a. (3s.), and continuing (8s. to 10s.) at short intervals till 2.30 p., thunder and lightning continued till midnight. At 9.51 p. it was nearest (6s.).

Rainbow—3rd, 6.30 a.; 6th, 5.35 a.; 10th, 4 p.; 11th, 4 p.; 13th, 6a.; 21st, 6.10 a.; 22nd, 7 a.; 30th, 5.55 a.

Solar halo—21st and 24th.

Solar Corona—1st and 2nd

Lunar halo—21st, 22nd and 29th.

Lunar Corona—18th, 19th, 20th, 21st, 22nd, 23rd and 24th.

The total distance traversed 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	338	33	10.2
NE	916	75	12.2
E	3968	209	19.0
SE	448	30	14.9
S	2633	182	14.5
SW	2646	149	17.8
W	170	16	10.6
NW	80	12	6.7
Calm	13	14	0.9

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF JUNE, 1888.

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, ...	29.672	29.664	29.657	29.655	29.649	29.667	29.683	29.693	29.701	29.697	29.686	29.674	29.660	29.625	29.606	29.604	29.592	29.610	29.622	29.640	29.650	29.657	29.656	29.632	29.652
„ 2, ...	.614	.621	.615	.610	.615	.623	.635	.639	.640	.642	.641	.617	.597	.576	.547	.532	.532	.541	.547	.564	.576	.594	.576	.560	.594
„ 3, ...	.552	.540	.544	.545	.578	.588	.591	.615	.638	.653	.658	.677	.675	.671	.677	.685	.639	.659	.664	.704	.711	.727	.727	.710	.643
„ 4, ...	.715	.715	.713	.710	.716	.727	.741	.747	.751	.742	.734	.728	.728	.720	.706	.700	.709	.719	.732	.737	.737	.737	.737	.734	.726
„ 5, ...	.715	.714	.714	.714	.715	.731	.742	.741	.749	.745	.748	.733	.719	.700	.682	.672	.660	.674	.692	.719	.725	.724	.721	.711	.715
„ 6, ...	.698	.690	.683	.665	.672	.677	.688	.695	.709	.709	.695	.685	.670	.644	.622	.605	.592	.584	.598	.609	.608	.628	.630	.622	.653
„ 7, ...	.601	.587	.577	.571	.578	.588	.600	.603	.617	.622	.621	.599	.574	.558	.552	.533	.545	.549	.569	.606	.606	.619	.616	.601	.587
„ 8, ...	.587	.574	.552	.548	.563	.567	.584	.602	.601	.603	.599	.592	.574	.555	.531	.536	.518	.528	.549	.584	.594	.623	.601	.584	.573
„ 9, ...	.575	.568	.554	.550	.558	.545	.574	.590	.600	.586	.585	.588	.567	.544	.530	.526	.527	.550	.572	.581	.575	.575	.588	.579	.566
„ 10, ...	.564	.556	.556	.555	.562	.565	.579	.586	.597	.603	.603	.600	.585	.578	.565	.557	.550	.553	.564	.578	.586	.598	.591	.583	.576
„ 11, ...	.581	.569	.552	.549	.540	.540	.570	.580	.588	.586	.589	.582	.564	.549	.525	.511	.495	.519	.525	.553	.563	.568	.550	.538	.554
„ 12, ...	.509	.508	.507	.507	.511	.509	.523	.536	.530	.531	.537	.520	.500	.489	.476	.456	.457	.457	.470	.493	.506	.521	.510	.508	.503
„ 13, ...	.495	.485	.464	.457	.454	.457	.460	.465	.474	.488	.471	.445	.430	.405	.395	.378	.362	.351	.365	.376	.378	.385	.390	.400	.426
„ 14, ...	.392	.387	.389	.390	.402	.407	.419	.444	.452	.461	.467	.444	.432	.411	.383	.387	.383	.387	.400	.416	.414	.425	.440	.430	.415
„ 15, ...	.423	.412	.411	.404	.401	.394	.411	.425	.438	.435	.433	.422	.406	.391	.388	.361	.363	.377	.399	.407	.411	.423	.415	.400	.406
„ 16, ...	.380	.374	.365	.357	.357	.357	.366	.366	.369	.366	.368	.349	.330	.320	.301	.284	.288	.288	.307	.314	.313	.319	.311	.299	.335
„ 17, ...	.294	.287	.305	.313	.329	.359	.386	.403	.415	.427	.432	.432	.419	.413	.413	.417	.429	.442	.466	.478	.500	.521	.528	.516	.413
„ 18, ...	.496	.488	.491	.487	.496	.506	.509	.520	.539	.539	.529	.524	.512	.496	.484	.477	.474	.482	.494	.505	.517	.545	.541	.534	.508
„ 19, ...	.523	.512	.517	.518	.524	.525	.528	.535	.546	.545	.546	.538	.526	.505	.487	.493	.491	.498	.511	.523	.539	.543	.536	.533	.523
„ 20, ...	.528	.516	.514	.514	.514	.529	.546	.552	.562	.567	.565	.560	.546	.531	.513	.503	.503	.502	.517	.543	.571	.593	.591	.585	.540
„ 21, ...	.568	.552	.558	.555	.568	.571	.587	.589	.589	.587	.588	.584	.581	.566	.548	.527	.514	.525	.538	.557	.572	.593	.600	.596	.567
„ 22, ...	.591	.576	.555	.556	.566	.581	.587	.590	.604	.605	.602	.583	.558	.538	.521	.510	.509	.515	.524	.561	.579	.602	.601	.575	.566
„ 23, ...	.564	.553	.542	.540	.545	.551	.564	.564	.579	.576	.592	.572	.546	.538	.541	.522	.525	.538	.549	.559	.581	.589	.595	.576	.558
„ 24, ...	.551	.542	.532	.524	.512	.541	.563	.561	.571	.585	.586	.573	.562	.537	.528	.507	.505	.510	.517	.522	.543	.553	.553	.547	.543
„ 25, ...	.530	.517	.498	.492	.506	.520	.529	.536	.543	.543	.537	.537	.529	.521	.515	.514	.513	.520	.529	.537	.562	.578	.599	.594	.533
„ 26, ...	.594	.582	.578	.570	.571	.576	.613	.628	.629	.656	.668	.670	.655	.647	.627	.602	.616	.636	.636	.645	.658	.717	.708	.700	.633
„ 27, ...	.662	.669	.670	.659	.666	.685	.691	.699	.714	.706	.703	.703	.686	.679	.667	.644	.639	.648	.667	.684	.703	.716	.724	.715	.683
„ 28, ...	.697	.687	.689	.687	.693	.703	.707	.709	.712	.707	.707	.680	.671	.667	.658	.637	.635	.637	.657	.675	.688	.703	.695	.704	.684
„ 29, ...	.700	.683	.673	.674	.675	.680	.692	.701	.694	.700	.700	.688	.681	.661	.653	.640	.646	.651	.668	.689	.699	.712	.720	.710	.683
„ 30, ...	.700	.689	.685	.686	.697	.704	.715	.729	.731	.728	.723	.707	.707	.690	.678	.666	.670	.665	.691	.705	.706	.723	.723	.718	.702
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	29.569	29.561	29.555	29.552	29.558	29.566	29.579	29.588	29.596	29.598	29.597	29.587	29.573	29.557	29.544	29.533	29.529	29.537	29.551	29.569	29.579	29.594	29.592	29.583	29.569

TABLE II.

TEMPERATURE FOR THE MONTH OF JUNE, 1888.

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,	81.8	82.0	81.7	82.5	82.1	81.3	81.8	82.8	83.6	84.5	84.8	85.4	86.2	85.6	83.8	83.4	82.8	82.6	82.3	81.8	81.0	81.7	81.0	80.4	82.8	87.7	80.4
,, 2,	81.0	81.6	80.1	80.7	81.6	82.1	82.1	82.8	83.6	84.7	85.0	86.4	85.6	85.0	84.4	83.8	83.8	82.9	82.7	82.5	82.6	82.5	83.5	82.5	83.1	86.4	80.0
,, 3,	82.5	82.5	82.3	82.4	74.8	75.6	76.5	77.7	78.8	78.1	77.0	76.4	75.4	74.5	73.7	72.9	73.7	73.8	74.3	74.6	75.0	74.5	74.6	74.5	76.5	82.6	72.7
,, 4,	72.6	70.0	69.5	69.8	69.6	70.2	70.5	72.8	75.0	75.7	77.6	76.7	75.8	76.1	76.7	75.9	75.6	74.8	73.9	74.2	74.6	73.9	73.1	73.1	73.7	77.6	69.2
,, 5,	73.0	72.8	73.0	71.4	71.9	74.0	75.1	75.9	77.6	77.9	78.2	78.8	77.8	76.9	77.2	76.8	75.9	75.4	75.5	75.1	75.1	75.7	75.3	76.4	75.5	78.8	71.4
,, 6,	75.7	75.6	75.7	76.1	75.7	76.5	77.7	78.7	78.4	78.2	77.6	77.7	78.2	77.9	77.3	76.8	77.9	78.7	78.9	79.1	79.8	80.6	80.7	81.1	77.9	81.1	75.6
,, 7,	80.8	81.4	81.4	81.5	81.7	81.7	82.5	83.0	83.2	82.9	83.8	85.6	84.3	82.8	83.9	83.6	82.8	82.8	82.1	81.8	82.2	82.2	81.9	81.4	82.6	85.6	80.8
,, 8,	81.5	81.7	81.0	81.3	81.2	81.1	82.7	82.7	83.4	83.6	85.3	84.8	84.3	84.8	84.6	83.7	83.5	82.8	82.4	82.7	80.0	76.0	76.9	76.7	82.0	85.3	76.0
,, 9,	76.3	76.3	76.7	76.6	76.4	76.5	77.9	78.0	78.7	78.6	80.0	81.2	81.8	81.9	82.5	80.3	79.8	79.7	79.7	78.1	77.7	77.7	77.5	77.8	78.7	82.5	76.3
,, 10,	77.2	76.2	76.0	75.5	75.1	76.2	75.0	75.8	75.6	76.9	77.2	77.0	76.5	76.4	76.6	77.0	77.1	76.7	76.9	77.0	77.5	77.9	77.9	77.9	76.6	77.9	75.0
,, 11,	77.6	77.5	77.9	77.2	77.5	77.9	77.9	78.8	78.9	80.0	79.6	79.9	80.8	80.5	80.7	80.0	79.6	78.8	78.8	78.8	78.8	78.7	77.8	78.1	78.8	81.9	77.1
,, 12,	78.3	78.7	78.7	78.2	78.1	78.7	78.0	79.1	80.9	82.0	83.2	82.2	82.0	82.3	82.8	81.9	81.0	80.5	80.7	80.9	80.8	80.8	82.2	82.3	80.6	83.2	77.5
,, 13,	80.9	81.0	81.5	80.3	79.7	78.3	79.3	78.7	79.6	78.5	78.5	79.8	80.7	80.8	77.9	77.6	76.7	77.6	78.4	78.5	78.9	77.8	78.0	77.9	79.0	82.3	76.7
,, 14,	78.7	79.3	79.8	80.0	79.7	79.0	79.6	79.4	78.2	78.3	79.6	79.2	78.3	77.4	78.8	79.7	80.6	79.6	79.9	80.4	80.5	80.6	80.6	80.7	79.5	80.7	77.1
,, 15,	80.7	80.6	80.2	79.9	80.0	80.4	80.3	80.7	81.6	82.1	83.1	82.9	83.4	83.4	82.1	82.4	81.7	80.9	80.8	80.9	81.6	81.7	81.5	82.2	81.5	83.8	79.7
,, 16,	81.7	79.5	79.4	79.1	79.5	81.0	79.6	79.1	77.6	78.1	76.8	81.9	81.0	78.4	80.0	78.1	77.9	78.8	77.4	77.6	77.8	76.9	76.9	77.3	78.8	82.2	76.7
,, 17,	76.8	77.1	77.2	77.9	77.2	78.3	77.8	77.7	78.7	79.6	78.7	80.2	80.2	80.9	80.2	80.8	80.5	78.9	79.8	79.6	79.8	78.8	78.6	78.8	78.9	80.9	76.0
,, 18,	80.1	81.2	81.4	81.6	79.5	80.1	81.7	81.9	82.2	82.8	82.0	84.5	84.0	84.5	83.7	83.8	82.9	82.8	82.8	82.8	82.8	82.0	82.0	81.5	82.3	86.1	78.8
,, 19,	81.5	81.3	81.5	81.6	82.1	82.3	82.8	82.7	80.6	83.3	84.8	85.2	84.3	84.8	85.3	85.0	83.8	81.5	81.6	81.8	81.9	81.9	81.8	81.5	82.7	85.9	80.4
,, 20,	81.5	81.4	81.6	81.6	81.2	78.9	81.4	83.0	84.2	84.7	84.5	85.5	85.1	84.6	85.2	85.0	83.7	82.8	82.0	81.9	82.2	81.9	81.8	81.8	82.8	86.5	78.8
,, 21,	81.7	81.8	81.9	81.0	81.5	80.2	81.3	82.7	83.6	84.2	84.1	83.7	85.7	86.0	86.2	84.3	83.7	82.9	82.8	82.2	82.5	81.8	81.3	81.1	82.8	87.5	79.7
,, 22,	81.1	80.5	80.1	80.4	79.0	78.5	79.8	82.1	82.8	83.9	83.0	84.3	84.0	84.3	84.0	83.7	82.8	81.8	80.8	80.8	80.8	80.6	80.8	78.7	81.6	85.0	78.2
,, 23,	79.0	79.2	79.3	78.4	78.8	79.4	81.1	81.3	80.9	81.2	79.3	79.6	84.3	85.8	84.7	84.6	83.0	82.7	79.5	80.9	81.8	82.8	83.2	82.9	81.4	86.7	78.4
,, 24,	84.0	83.8	84.6	82.2	78.5	79.5	81.8	81.9	82.8	83.4	84.0	84.5	85.0	84.9	85.7	85.6	83.7	83.0	82.9	83.5	82.8	82.8	82.7	83.8	83.2	86.0	77.6
,, 25,	83.4	82.3	83.3	82.8	83.3	82.7	83.5	83.5	84.1	84.4	83.2	84.0	85.1	87.9	84.8	84.2	83.5	83.6	83.6	83.6	83.6	82.3	76.0	76.5	83.1	88.0	75.4
,, 26,	76.8	76.1	76.4	76.7	77.0	76.9	75.4	75.2	75.6	75.8	75.6	74.6	76.0	77.3	77.8	77.5	76.4	76.8	76.3	76.5	77.0	74.5	74.7	74.8	76.2	77.8	74.2
,, 27,	75.1	74.8	75.1	75.4	75.9	76.1	76.7	77.7	78.3	80.0	83.2	83.7	83.2	82.9	83.7	82.6	82.6	82.6	82.7	82.2	81.8	81.7	81.8	81.9	80.1	83.9	74.8
,, 28,	82.2	82.1	81.9	81.1	81.2	81.2	82.8	83.6	84.3	84.6	84.5	85.9	86.6	85.2	85.1	84.5	84.0	83.3	82.8	82.6	81.8	81.9	81.1	81.6	83.2	87.2	81.0
,, 29,	81.6	81.9	81.4	81.0	81.3	80.8	82.5	84.1	83.9	83.4	84.0	84.8	84.3	84.1	84.0	83.8	83.8	82.8	82.8	82.3	82.0	81.7	81.3	80.3	82.7	86.2	80.3
,, 30,	80.3	80.1	80.5	80.2	79.9	80.1	80.9	81.8	83.1	84.8	84.9	85.3	83.1	85.8	84.3	83.3	78.8	79.2	78.8	79.2	79.0	78.6	78.4	78.6	81.2	86.1	78.4
.....	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	79.5	79.3	79.4	79.1	78.7	78.8	79.5	80.2	80.7	81.2	81.4	82.1	82.1	82.1	81.9	81.4	80.8	80.4	80.1	80.1	80.1	79.8	79.5	79.5	80.3	83.8	77.1

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF JUNE, 1888.

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,	77.4	77.7	77.7	77.8	77.8	78.6	78.7	78.6	79.0	79.1	79.2	79.3	79.1	78.2	78.1	78.2	78.0	77.9	77.9	78.1	78.6	78.1	78.0	77.4	78.3	147.4	77.1
„ 2,	78.0	78.1	78.5	78.3	78.6	78.6	78.8	79.0	79.2	79.8	79.8	80.1	79.8	79.1	79.0	78.8	79.1	78.9	79.0	79.1	79.0	79.2	79.1	79.2	79.0	143.7	78.0
„ 3,	79.4	79.4	79.4	79.4	73.2	75.0	72.5	73.1	73.1	73.2	72.6	71.3	69.3	69.0	68.4	68.2	67.0	67.9	68.0	67.1	67.4	68.0	70.1	69.5	71.7	126.1	68.6
„ 4,	68.5	68.0	66.9	66.8	67.0	66.9	66.9	67.9	68.4	67.7	68.8	68.6	67.4	68.3	68.3	68.3	67.2	67.0	67.9	67.7	67.2	67.9	69.1	68.5	67.8	136.6	66.7
„ 5,	68.7	69.0	69.2	68.8	68.2	68.2	69.1	68.8	69.8	70.3	70.9	71.2	71.0	70.9	71.2	70.7	71.0	69.9	70.0	70.1	70.6	70.6	70.6	71.0	70.0	139.4	69.0
„ 6,	71.0	71.3	70.9	71.2	71.1	71.9	72.5	73.1	73.4	73.3	72.9	73.4	73.6	74.0	74.5	74.6	75.8	76.0	76.1	76.7	77.1	77.6	77.4	77.6	74.0	125.5	72.7
„ 7,	77.8	77.9	78.0	78.1	78.2	78.2	77.9	78.1	78.8	78.5	79.0	79.8	79.3	79.0	78.8	79.3	79.0	78.1	78.8	79.0	78.9	78.9	78.8	78.8	78.6	147.4	77.0
„ 8,	78.7	79.0	78.9	78.8	78.9	78.7	79.3	79.1	79.3	79.1	79.7	80.2	79.7	79.9	79.8	79.7	79.8	79.1	79.6	78.6	76.0	73.9	75.5	75.2	78.6	138.7	73.1
„ 9,	75.1	75.2	75.6	75.7	75.6	75.7	77.1	76.8	77.3	76.5	77.5	78.4	78.7	78.9	79.0	77.1	77.0	77.1	77.0	76.4	76.1	76.0	76.2	75.9	76.7	141.4	73.9
„ 10,	75.1	74.5	73.9	73.5	73.2	73.5	73.3	73.5	73.6	74.0	74.7	74.4	74.1	74.1	74.9	75.1	75.7	75.3	75.0	75.3	75.7	75.8	75.7	75.6	74.6	115.1	73.2
„ 11,	75.5	75.5	75.5	75.6	75.4	75.2	75.1	75.2	75.8	76.1	76.3	76.7	76.0	76.6	76.7	76.7	76.0	76.0	76.0	75.9	76.0	76.3	76.3	76.3	75.9	132.5	74.9
„ 12,	76.3	76.5	76.5	76.5	76.5	76.6	76.8	77.0	77.8	77.7	77.8	77.1	76.9	77.0	77.2	76.6	76.5	76.3	76.7	76.9	75.9	76.0	76.2	75.7	76.7	138.0	76.0
„ 13,	75.9	75.7	75.8	75.5	76.0	75.6	75.7	75.9	75.7	76.7	76.3	76.6	77.0	76.1	76.2	76.1	76.1	77.0	77.1	77.3	77.3	77.3	77.3	77.0	76.4	117.3	75.1
„ 14,	77.8	77.0	77.8	77.4	76.5	77.4	77.8	76.3	76.8	76.6	77.3	76.5	76.5	76.3	77.8	77.2	77.1	77.3	77.4	77.2	77.1	77.2	77.1	76.9	77.1	109.8	75.3
„ 15,	77.0	77.6	76.9	76.8	76.9	77.0	76.8	76.9	77.9	77.8	77.0	78.0	78.1	78.4	77.1	77.3	77.1	77.0	77.5	77.0	76.9	76.7	77.2	76.7	77.2	152.6	78.0
„ 16,	76.3	76.6	75.8	75.2	75.5	75.6	75.4	75.7	75.3	75.7	75.9	77.1	76.4	76.3	76.2	76.3	76.7	76.4	76.6	76.6	76.3	76.4	76.7	76.8	76.2	112.9	74.4
„ 17,	76.7	76.4	75.7	75.8	75.5	76.4	75.7	76.0	75.8	76.5	75.5	76.7	76.3	77.1	76.5	76.7	77.0	76.2	76.3	76.3	76.8	76.3	76.0	76.2	76.3	117.5	73.9
„ 18,	77.0	77.4	77.2	77.6	75.8	76.3	77.6	77.6	77.8	78.2	77.3	79.2	78.3	78.7	78.3	78.7	79.0	79.0	78.6	78.2	78.2	78.9	78.8	78.7	78.0	134.2	77.0
„ 19,	78.8	78.6	78.5	78.3	78.0	78.2	78.0	78.1	76.0	78.7	79.3	78.6	78.3	78.9	78.9	78.9	78.5	78.7	78.9	78.9	78.8	78.9	78.9	78.5	78.5	148.1	76.1
„ 20,	78.6	78.5	78.4	78.4	78.3	77.0	78.5	78.7	79.1	78.8	79.8	79.3	79.8	79.9	80.0	79.8	79.0	79.0	79.0	79.0	78.9	79.0	79.0	79.1	79.0	146.1	75.2
„ 21,	78.9	78.6	78.4	78.3	78.3	78.1	79.1	79.4	79.4	80.0	80.3	79.6	80.0	79.9	80.2	80.5	79.9	79.8	78.9	78.1	78.8	78.0	78.3	78.2	79.1	141.8	77.2
„ 22,	77.9	77.8	78.2	78.7	76.6	76.9	77.6	78.5	78.8	78.9	79.2	79.8	79.9	79.5	78.8	78.5	78.8	78.4	78.6	77.7	77.9	78.0	77.5	76.9	78.3	140.7	75.4
„ 23,	77.0	77.3	77.2	77.1	77.2	77.9	78.5	78.7	78.2	78.8	76.3	77.2	79.5	80.0	77.5	78.4	78.6	78.9	78.3	77.9	78.9	78.8	79.2	79.0	78.2	146.3	75.7
„ 24,	79.1	78.5	79.0	78.9	76.0	76.4	77.1	78.9	79.8	78.7	79.2	79.7	79.2	79.6	79.8	79.7	78.9	78.7	78.8	79.0	79.0	79.0	78.6	79.1	78.8	141.2	74.9
„ 25,	79.2	78.8	78.8	78.7	79.1	79.3	79.5	79.2	80.0	80.2	79.9	80.1	79.8	81.7	79.5	79.3	79.7	79.8	79.7	79.5	79.6	79.3	73.7	74.4	79.1	150.3	73.9
„ 26,	74.9	74.9	75.2	75.1	75.4	75.4	74.5	75.0	75.3	75.3	74.1	74.1	75.2	75.5	75.9	76.0	75.8	75.9	76.0	75.9	75.8	73.8	74.2	74.2	75.1	86.3	71.9
„ 27,	73.8	74.2	74.2	74.5	74.8	75.0	75.8	75.8	77.1	78.0	79.5	79.2	79.0	78.3	78.6	78.2	78.8	78.3	78.3	78.6	79.0	78.8	79.1	79.2	77.3	115.8	72.0
„ 28,	79.1	79.0	78.9	78.8	78.7	78.5	79.1	79.9	79.9	79.7	79.2	80.2	80.7	79.0	79.3	78.8	78.2	78.1	78.1	78.4	78.9	78.9	78.9	78.9	79.0	145.2	77.8
„ 29,	78.8	78.7	78.3	78.0	78.6	77.9	78.3	79.7	79.3	79.1	79.2	79.0	79.1	79.0	79.2	79.1	79.0	78.6	78.3	78.2	78.5	78.7	78.4	78.1	78.7	137.6	77.1
„ 30,	78.0	78.0	78.1	78.1	78.0	78.5	78.8	78.7	78.7	78.1	79.3	79.8	75.8	80.0	79.2	78.2	77.1	77.1	77.0	77.3	76.9	77.1	76.7	77.4	78.0	138.6	74.9
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	76.5	76.5	76.4	76.4	76.0	76.1	76.4	76.6	76.9	77.0	77.1	77.4	77.1	77.3	77.2	77.0	76.9	76.8	76.8	76.7	76.7	76.6	76.6	76.5	76.7	133.8	74.5

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF JUNE, 1888.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1888.		
1 a	87	0.877	June 1,.....	81	0.909
2 „	88	.880	„ 2,.....	83	.937
3 „	87	.874	„ 3,.....	78	.714
4 „	88	.878	„ 4,.....	72	.603
5 „	88	.866	„ 5,.....	75	.661
6 „	88	.869	„ 6,.....	82	.788
7 „	87	.873	„ 7,.....	83	.925
8 „	85	.873	„ 8,.....	85	.934
9 „	84	.879	„ 9,.....	91	.893
10 „	82	.876	„ 10,.....	91	.831
11 „	82	.878	„ 11,.....	87	.856
Noon.	80	.882	„ 12,.....	83	.867
1 p	79	.869	„ 13,.....	89	.876
2 „	80	.878	„ 14,.....	89	.900
3 „	80	.876	„ 15,.....	82	.876
4 „	81	.873	„ 16,.....	89	.870
5 „	83	.877	„ 17,.....	89	.873
6 „	85	.879	„ 18,.....	82	.902
7 „	86	.883	„ 19,.....	82	.919
8 „	85	.879	„ 20,.....	84	.941
9 „	85	.879	„ 21,.....	84	.945
10 „	86	.878	„ 22,.....	86	.925
11 „	87	.881	„ 23,.....	86	.924
Midt.	87	.878	„ 24,.....	81	.926
			„ 25,.....	83	.941
			„ 26,.....	95	.858
			„ 27,.....	88	.901
			„ 28,.....	82	.936
			„ 29,.....	83	.928
			„ 30,.....	86	.917
			.....	...	...
Mean, ...	85	0.876	Mean,.....	84	0.876

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.
1888.														
June 1,	...	...	0.3	0.1	0.2	1.0	1.0	1.0	1.0	0.2	...	...	...	4.8
„ 2,	...	0.1	...	0.1	0.8	1.0	1.0	1.0	0.8	1.0	0.9	0.9	...	7.6
„ 3,	...	...	...	0.1	...	...	...	...	...	...	...	...	...	0.1
„ 4,	...	...	...	...	0.5	0.8	0.1	0.1	0.1	...	0.1	0.2	0.1	2.0
„ 5,	0.2	0.4	0.3	0.9	0.8	0.5	0.4	0.1	...	0.4	1.0	0.1	...	5.1
„ 6,	0.3	0.7	0.5	0.1	...	...	...	...	...	...	...	...	...	1.6
„ 7,	...	0.3	0.4	0.4	0.7	1.0	0.7	0.7	0.8	1.0	0.1	...	...	6.1
„ 8,	...	...	0.1	0.1	...	0.6	...	...	0.4	0.3	...	...	...	1.5
„ 9,	...	...	...	...	...	...	0.5	1.0	1.0	0.7	...	0.1	...	3.3
„ 10,	...	...	...	...	...	...	...	...	...	...	...	0.7	...	0.7
„ 11,	0.2	...	...	0.1	0.4	0.2	...	...	...	0.2	...	...	...	1.1
„ 12,	...	...	0.1	0.9	0.3	0.1	...	0.2	0.7	0.8	1.0	1.0	0.3	5.4
„ 13,	0.1	0.1	...	...	...	...	...	...	...	...	...	...	...	0.2
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	0.4	0.7	0.7	1.0	1.0	0.9	0.1	0.3	...	...	5.1
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	0.2	0.9	...	...	...	...	1.1
„ 19,	...	...	...	...	0.7	0.7	0.9	0.6	0.9	0.9	0.6	0.5	...	5.8
„ 20,	...	...	0.7	0.5	0.7	...	0.6	0.5	0.5	0.9	0.9	0.5	0.1	5.9
„ 21,	...	0.5	1.0	1.0	1.0	0.6	0.2	1.0	1.0	1.0	0.8	0.9	...	9.0
„ 22,	...	...	0.5	0.9	0.5	0.4	1.0	1.0	1.0	0.7	0.1	0.7	0.2	7.0
„ 23,	...	...	...	...	...	...	...	0.4	0.8	0.8	0.3	...	...	2.3
„ 24,	...	...	...	...	...	...	...	...	0.6	1.0	1.0	...	...	2.6
„ 25,	...	...	...	0.3	...	...	...	0.1	0.4	...	...	...	...	0.8
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	0.8	0.8	0.9	0.9	0.4	1.0	1.0	0.3	0.9	...	...	...	7.0
„ 29,	...	...	0.6	0.6	0.1	0.5	0.2	...	...	...	...	...	...	2.0
„ 30,	...	...	0.2	0.8	1.0	1.0	0.9	0.2	0.9	0.5	0.3	...	...	5.8
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	0.8	2.9	5.5	8.2	9.3	9.5	9.5	10.1	13.0	11.4	7.4	5.6	0.7	93.9
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF JUNE, 1888.

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,	...	...	0·025	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·030
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	0·260	...	...	...	...	...	0·010	0·030	0·005	0·010	0·010	0·055	0.005	...	...	...	...	...	...	...	0·385
„ 4,	0·015	0·100	0·070	0·050	0·005	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·245
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	0·020	...	0·020	...	...	...	...	...	...	...	...	0·040
„ 7,	...	...	...	...	...	...	...	...	0·030	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·030
„ 8,	...	0·005	0·005	...	0.005	0·005	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	0·025	0·025	0·035	0·005	0·115
„ 9,	0·005	0·005	0·010	0·005	0.025	0·005	0·005	0·090	0·005	0·135	...	...	...	...	...	...	...	...	0.005	...	...	...	...	...	0·295
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	0·005	...	0.005	...	...	0·005	...	...	...	0·020
„ 11,	...	...	0·005	0·040	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·045
„ 12,	...	0·025	0·005	0·020	0·010	0·020	0·045	0.030	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·165
„ 13,	...	...	...	...	0.005	0·010	...	...	0·020	0·055	0·050	...	...	0·010	0·295	0·190	0·455	0·700	0·975	0·235	0·050	0·330	0·370	0·010	3·760
„ 14,	0·110	0·195	0·020	0·045	0·075	...	...	0·120	0·030	0·030	0·120	0·035	0·010	0·140	0·075	0.045	...	...	0·010	...	...	...	...	...	1·060
„ 15,	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 16,	...	0·030	0·015	...	0.005	...	...	...	0·260	0·370	0·935	...	0·070	0·065	0·045	0·060	0·025	0·030	0·320	0·010	0·040	0·025	0·005	0·055	2·395
„ 17,	0·265	0·450	0·410	0·490	0·400	0·160	0·070	...	0·035	0·005	0·010	...	...	0·005	...	...	...	0·175	...	...	0·160	0·080	0·020	...	2·735
„ 18,	...	...	...	0·050	0·170	0·070	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·290
„ 19,	...	...	...	...	...	...	...	...	0·140	...	...	...	...	...	...	...	...	0·015	...	...	...	...	...	...	0·155
„ 20,	...	...	...	...	0·010	0·110	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·005	...	...	0·130
„ 21,	...	...	...	...	...	0·090	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·090
„ 22,	...	...	...	0·020	0·060	0·055	0·020	0·300	0.015	...	0·020	...	...	...	...	...	...	...	0·005	...	...	...	...	...	0·225
„ 23,	...	...	...	...	...	...	...	0·070	0·005	0·105	0·080	...	...	...	...	...	...	...	0 245	...	...	...	...	...	0 505
„ 24,	...	0·005	0·120	0·100	1·270	...	...	...	...	...	...	...	...	...	...	...	...	0·015	...	...	...	...	...	...	1·510
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·100	0·380	0·090	...	0.570
„ 26,	0·350	0·070	0.040	...	...	0·145	1·395	2·130	0·810	0·340	0·315	0·725	0·135	0·050	0·120	0·240	0·205	0·395	0·015	...	0·515	0·400	0·080	...	8·475
„ 27,	...	...	...	...	...	...	...	0·190	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	...	0·200
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	0·040	0·025	...	...	...	...	...	...	...	...	...	0·325	...	...	...	...	...	...	...	0·390
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·750	0·885	0·725	0·825	2·300	0·715	1·565	2·660	1·360	1·040	1·570	0·790	0·220	0·305	0·545	0·615	1·015	1·335	1·575	0·245	0·900	1·215	0·610	0·070	23·865

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF JUNE, 1888.

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,	20	11	19	17	18	18	18	19	19	15	20	11	21	12	20	13	21	15	20	12	22	13	20	15	19	18	19	11	18	11	19	12	19	17	19	11	20	7	21	8	23	8	22	6	22	5	20	3	288	12.0
,, 2,	18	6	19	13	22	11	21	9	19	12	20	12	21	11	21	15	20	16	20	16	20	21	19	29	19	29	19	27	18	29	19	27	19	29	18	28	19	24	20	17	20	20	20	19	18	31	19	30	481	20.0
,, 3,	19	26	20	29	20	27	20	33	29	14	19	6	32	12	32	13	32	10	31	10	32	7	1	6	1	7	2	8	1	9	2	9	2	14	7	8	4	6	2	7	3	9	4	8	5	15	4	16	309	12.9
,, 4,	2	7	...	1	1	10	1	12	5	9	7	16	6	10	4	9	3	12	5	18	7	21	7	22	7	21	9	22	8	23	9	16	7	13	7	13	6	13	7	16	7	19	6	19	7	19	7	19	360	15.0
,, 5,	7	17	7	15	7	18	8	18	7	16	6	17	7	16	7	17	8	18	7	18	9	19	9	19	9	19	9	19	9	18	9	19	9	19	9	14	7	13	7	12	7	11	7	12	8	13	11	9	386	16.1
,, 6,	9	10	8	11	8	15	9	13	9	14	10	15	9	21	8	23	8	26	8	28	10	29	10	23	10	19	10	18	8	15	9	14	12	13	15	11	13	9	13	7	16	11	16	11	16	11	17	13	380	15.8
,, 7,	8	13	17	14	17	19	18	21	18	20	18	21	19	26	18	23	18	27	18	35	18	33	18	32	18	30	18	34	18	34	19	26	19	22	18	20	19	21	21	12	17	11	18	13	18	13	19	15	535	22.3
,, 8,	18	11	18	12	20	15	20	13	19	11	19	11	18	12	19	18	19	20	20	19	18	19	19	19	19	16	19	11	16	9	17	11	17	7	18	4	21	5	18	5	30	12	28	11	17	3	15	3	277	11.5
,, 9,	...	1	...	1	...	1	...	1	...	0	...	1	6	2	...	1	10	3	9	3	8	3	9	8	8	11	7	11	8	17	8	14	7	12	6	8	4	8	7	2	7	8	9	7	8	10	7	19	152	6.3
,, 10,	6	21	7	23	6	22	7	22	7	21	7	19	7	22	7	19	8	20	7	20	7	17	7	17	7	19	7	16	10	15	7	14	7	18	7	18	6	19	6	18	7	18	7	17	7	19	7	20	454	18.9
,, 11,	7	19	6	16	6	15	6	18	6	19	6	20	7	18	7	18	7	23	7	24	7	19	8	16	7	18	8	19	10	21	9	18	7	20	7	21	6	19	6	17	7	19	6	15	7	18	7	21	451	18.8
,, 12,	6	23	6	20	6	22	6	19	6	17	6	17	7	14	7	17	7	18	6	19	6	17	6	17	7	20	7	25	7	26	7	28	7	26	7	23	7	21	6	26	6	20	7	18	5	18	4	16	487	20.3
,, 13,	4	18	4	17	4	17	2	11	2	10	2	10	1	13	32	20	1	19	1	11	4	6	1	11	1	14	2	19	5	17	4	17	5	27	7	34	6	37	7	38	7	42	7	43	7	48	9	44	543	22.6
,, 14,	9	36	10	33	11	32	11	30	11	24	10	28	9	32	10	37	10	34	10	35	10	34	9	39	7	35	7	31	7	33	7	33	7	33	7	41	7	37	7	33	7	34	7	36	7	36	7	35	811	33.8
,, 15,	8	39	7	33	7	27	7	29	7	29	7	29	7	29	8	22	8	21	8	23	7	25	7	25	7	25	7	26	7	24	7	26	7	26	7	19	7	17	7	14	6	20	6	17	4	8	3	13	566	23.6
,, 16,	4	10	5	13	4	12	4	14	5	14	3	22	32	19	32	19	1	14	2	15	32	8	4	18	3	14	4	14	4	14	4	18	5	19	3	14	3	6	28	4	32	8	28	7	24	10	24	12	318	13.2
,, 17,	23	10	20	19	18	35	18	29	18	29	17	28	18	27	18	19	18	21	17	25	18	22	18	23	17	26	17	23	17	19	18	16	18	14	18	21	18	19	17	12	17	7	15	16	16	13	15	13	486	20.3
,, 18,	16	13	16	19	17	23	16	20	17	24	16	24	17	22	17	27	18	29	18	31	17	35	18	25	18	24	17	26	17	23	18	19	17	14	17	16	18	20	16	17	17	19	17	17	16	13	16	10	510	21.2
,, 19,	15	14	15	12	15	13	16	16	18	22	17	26	17	27	18	22	18	19	18	25	17	26	18	27	18	19	18	19	18	18	18	14	17	14	17	8	16	14	16	13	16	14	16	12	16	13	16	12	419	17.5
,, 20,	16	14	16	13	16	15	15	15	15	14	17	9	16	12	16	13	16	7	18	11	17	9	16	11	16	11	16	14	16	11	15	9	15	11	15	11	16	10	15	6	14	10	15	9	16	10	16	11	266	11.1
,, 21,	16	11	16	11	17	8	16	8	16	9	15	6	15	2	6	4	9	6	7	12	8	12	8	11	15	11	15	11	15	9	9	11	9	11	8	11	9	10	11	9	12	7	13	11	13	11	12	13	225	9.4
,, 22,	12	8	10	9	9	11	10	6	6	6	1	2	...	1	7	11	10	16	13	14	13	14	8	19	8	20	8	21	9	21	10	17	8	16	9	16	9	11	10	6	9	6	9	5	3	5	3	3	264	11.0
,, 23,	...	1	3	2	4	5	...	1	4	2	4	2	4	4	4	3	14	2	21	8	21	20	26	12	25	10	21	11	18	13	19	14	19	13	18	7	22	8	30	3	24	3	21	5	19	9	21	12	170	7.1
,, 24,	18	9	18	12	19	20	19	19	21	30	21	18	19	13	20	13	22	9	18	12	19	12	19	17	18	14	10	15	19	17	18	16	19	19	19	22	18	20	18	20	18	17	18	12	19	15	18	15	386	16.1
,, 25,	18	18	20	19	18	16	19	19	19	23	20	23	19	23	20	24	20	23	20	24	24	23	20	23	19	30	19	32	19	26	19	28	19	24	19	26	19	27	19	24	18	22	18	23	24	12	28	6	538	22.4
,, 26,	22	9	3[illegible]	3	30	4	3	4	5	8	7	16	26	10	25	9	12	7	14	8	12	5	22	5	24	8	2	4	5	7	31	6	16	5	32	5	6	5	6	5	6	7	23	19	26	5	4	4	168	7.0
,, 27,	3	3	3	4	9	8	7	12	7	13	7	15	7	16	7	14	6	10	6	8	16	13	17	17	18	19	18	15	19	15	17	15	19	12	18	12	18	14	17	9	15	8	14	8	15	7	16	14	281	11.7
,, 28,	15	12	15	13	16	14	15	11	16	10	15	14	15	13	15	14	15	16	15	20	16	12	17	17	18	19	18	15	17	13	19	15	18	17	19	15	17	12	17	9	17	9	16	8	14	8	16	10	316	13.2
,, 29,	15	13	17	13	17	9	15	9	16	11	16	5	17	9	17	10	15	12	18	14	17	14	17	17	17	19	17	16	18	11	18	13	19	7	19	8	18	5	17	5	17	5	10	2	10	2	9	4	233	9.7
,, 30,	6	4	7	5	6	6	7	4	9	3	9	5	9	4	15	6	15	8	15	10	14	13	15	14	17	20	16	13	16	10	16	6	28	8	30	4	...	1	...	1	30	2	30	2	30	2	...	1	152	6.3
....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	407	...	422	...	468	...	455	...	449	...	448	...	452	...	473	...	481	...	528	...	521	...	554	...	565	...	546	...	528	...	501	...	500	...	469	...	438	...	375	...	406	...	408	...	402	...	416	11212	467.1
Hourly Means,	...	13.6	...	14.1	...	15.6	...	15.2	...	15.0	...	14.9	...	15.1	...	15.8	...	16.0	...	17.6	...	17.4	...	18.5	...	18.8	...	18.2	...	17.6	...	16.7	...	16.7	...	15.6	...	14.6	...	12.5	...	13.5	...	13.6	...	13.4	...	13.9	373.7	15.6

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR JUNE, 1888.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	1.5	6.4	5.3	2.1	−3.9	+ 4.3	S 48° E
2 „	1.3	5.9	6.6	2.6	5.3	3.4	S 33° E
3 „	2.0	6.0	7.6	2.6	5.6	3.4	S 31° E
4 „	1.6	5.7	7.5	3.0	6.0	2.8	S 25° E
5 „	1.9	5.8	7.0	3.3	5.1	2.6	S 27° E
6 „	1.5	6.8	6.7	2.1	5.2	4.6	S 41° E
7 „	1.8	6.2	5.9	2.7	4.1	3.4	S 40° E
8 „	2 1	6.1	6.5	3.0	4.4	3.2	S 36° E
9 „	1.8	6.7	6.8	3.1	5.0	3.6	S 36° E
10 „	1.9	7.0	8.3	3.3	6.4	3.7	S 30° E
11 „	0.8	6.9	8.7	3.2	7.8	3.6	S 25° E
Noon.	1.3	7.4	8.3	4.1	7.0	3.3	S 25° E
1 p.	1.0	7.1	8.8	4.2	7.8	2.9	S 20° E
2 „	1.2	7.5	8.5	3.5	7.3	4.1	S 29° E
3 „	1.2	7.8	8.2	2.7	7.0	5.1	S 36° E
4 „	1.3	7.8	6.6	3.8	5.4	4.1	S 37° E
5 „	1.7	8.0	6.2	3.9	4.6	4.1	S 42° E
6 „	0.7	7.8	6.1	3.0	5.4	4.8	S 42° E
7 „	1.6	6.9	5.7	3.1	4.1	3.8	S 43° E
8 „	1.1	6.3	4.9	1.8	3.8	4.5	S 50° E
9 „	1.4	7.1	4.8	1.5	3.4	5.6	S 59° E
10 „	1.3	6.6	4.9	2.4	3.7	4.2	S 49° E
11 „	1.2	6.9	4.7	2.1	3.5	4.8	S 54° E
Midt.	1.4	7.1	5.2	2.1	−3.8	+ 5.0	S 53° E
Mean,.....	1.4	6.8	6.7	2.9	−5 2	+ 4.0	S 38° E

TABLE IX.

DIRECTION AND FORCE OF THE WIND AND RAINFALL AT VICTORIA PEAK, AND RAINFALL AT THE OBSERVATORY.

Date.	10 a.		4 p.		10 p.		Rain.		
	Direction	Force.	Direction	Force.	Direction	Force.	Peak.	Observatory.	Duration.
1888.							ins.	ins.	hrs.
June 1,.....	S	4	SW	5	SW	5	...	...	...
„ 2,.....	SW	5	SW	5	SW	5	0.65	0.260	1
„ 3,.....	N	4	NE	3	E	4	0.59	0.370	12
„ 4,.....	E	4	E	5	E	4	...	...	...
„ 5,.....	E	4	E	4	E	4	...	...	...
„ 6,.....	SSE	5	S	6	SW	6	...	0.070	2
„ 7,.....	SSW	6	SW	5	SW	6	1.05	0.025	1
„ 8,.....	SW	4	SW	4	SW	4	...	0.380	4
„ 9,.....	SW	3	SW	3	SW	3	0.12	0.005	1
„ 10,.....	E	5	E	4	E	4	...	0.065	12
„ 11,.....	E	4	E	4	E	3	0.24	0.165	4
„ 12,.....	E	4	E	5	E	5	0.16	0.090	3
„ 13,.....	NE	5	NE	6	ENE	8	5.20	4.295	18
„ 14,.....	SE	6	E	7	E	7	0.56	0.440	6
„ 15,.....	E	5	E	5	E	6	1.95	0.410	4
„ 16,.....	NE	4	NE	5	NE	6	2.46	4.270	18
„ 17,...	S	5	SSW	5	SSW	6	0.60	0.740	8
„ 18,.....	SSW	6	SSW	5	SSW	6	0.18	0.140	1
„ 19,.....	SSW	6	SSW	4	SSW	4	...	0.135	1
„ 20,.....	S	5	S	4	S	4	...	0.100	1
„ 21,.....	S	4	S	4	S	3	...	0.200	2
„ 22,.....	SE	4	E	4	E	4	0.54	0.205	2
„ 23,.....	SW	5	SW	4	S	4	1.25	1.820	3
„ 24,.....	S	4	SW	5	SW	5	0.53	0.015	1
„ 25,.....	SW	5	SW	6	SW	6	8.75	5.715	9
„ 26,.....	SW	5	SW	5	SW	6	4.15	3.520	13
„ 27,.....	SW	4	S	3	S	3	...	0.010	1
„ 28,.....	SW	5	S	5	S	4	...	...	...
„ 29,.....	SSW	4	SW	4	SW	4	...	0.035	1
„ 30,.....	S	4	S	4	S	4	0.86	0.925	4
.....	...	...	...	...	...	...	...	...	...
Mean,.....	S 6° E	4.6	S 10° E	4.6	S 10° E	4.8	29.84	21.435	133

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Ra l.
1888.	ins.	ins.	ins.	°	°	°	°	°	°	°
June 1,.....	28.000	27.948	27.934	75.4	76.0	74.8	133.1	76.5	74.2	73.3
„ 2,.....	27.964	.876	.885	76.0	75,8	75.0	126.5	77.1	74.3	74.4
„ 3,.....	.933	.956	.966	72.4	69.0	66.8	110.1	75·9	66.2	65.4
„ 4,.....	28.004	28.002	28.016	68.0	68.7	67.7	128.8	69.8	65.3	65.1
„ 5,.....	.026	.011	27.973	69.8	72.5	69.7	140.5	73.3	66.2	63.7
„ 6,.....	.008	27.921	.887	70.8	71.5	71.7	122.2	74.5	69.2	67.3
„ 7,.....	27.925	.869	.887	75.2	76.0	75.4	104.0	77.2	71.6	69.3
„ 8,.....	.924	.885	.901	75.8	75.8	74.2	136.5	76.2	73.0	70.8
„ 9,.....	.915	.871	.897	76.1	77.0	73.7	141.4	77.3	73.6	69.7
„ 10,.....	.914	.903	.908	71.8	72.2	72.0	111.2	73.8	70.2	70.3
„ 11,.....	.899	.889	.872	73.1	73.7	72.7	121.1	73.9	69.9	67.4
„ 12,.....	.880	.899	.881	73.7	73.7	72.8	118.9	75.3	71.9	72.4
„ 13,.....	.799	.775	.661	73.1	72.8	72.7	97.4	74.5	72.1	72.4
„ 14,.....	.752	.683	.677	71.8	73.8	73.5	110.8	73.9	71.2	72.0
„ 15,.....	.705	.721	.702	74.3	74.7	73.2	131.9	76.2	70.3	72.3
„ 16,.....	.675	.641	.622	73.4	72.8	72.0	101.3	74.8	71.9	71.3
„ 17,.....	.722	.718	.772	72.2	73.0	72.7	94.3	74.3	71.9	72.4
„ 18,.....	.829	.789	.798	74.2	75.8	74.6	116.4	76.5	72.6	71.3
„ 19,.....	.844	.838	.851	75.5	75.5	74.8	119.1	76.6	71.9	71.7
„ 20,.....	.868	.846	.864	75.4	76.7	74.1	138.2	76.7	71.0	72.8
„ 21,.....	.895	.889	.892	76.5	77.7	75.0	141.0	78.6	74.0	72.4
„ 22,.....	.910	.869	.876	76.0	78.1	76.8	137.5	78.3	74.2	73.3
„ 23,.....	.893	.867	.873	72.7	74.8	73.7	133.3	79.3	72.7	72.6
„ 24,.....	.883	.871	.823	75.0	76.1	74.7	119.2	78.1	73.7	73.4
„ 25,.....	.852	.854	.855	76.2	75.8	75.7	103.1	78.5	74.7	75.3
„ 26,.....	.922	.918	.940	72.2	72.5	72.0	92.8	76.6	71.3	71.1
„ 27,.....	28.001	.982	28.011	74.7	75.8	73.8	108.4	77.9	71.1	70.7
„ 28,.....	.023	.969	27.989	75.2	76.1	75.4	124.4	78.3	73.8	71.6
„ 29,.....	.000	.968	.963	75.8	76.0	75.7	129.2	78.1	74.3	75.4
„ 30,.....	.033	.991	.999	75.8	74.8	73.8	137.5	76.6	73.5	72.6
.....	...	...	...	...	...	...	...	...	...	...
Mean,.....	27.900	27.874	27.872	73.9	74.5	73.4	121.0	76.2	71.7	71.1

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND VICTORIA PEAK.

Date. 1888.	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,.....	77	78	85	98	98	99	0.923	0.897	0.915	0.864	0.878	0.852
„ 2,.....	79	79	86	98	99	98	.953	.919	.954	.878	.880	.854
„ 3,.....	78	77	70	95	92	97	.753	.628	.599	.754	.655	.641
„ 4,.....	64	66	72	88	83	83	.572	.591	.604	.602	.586	.568
„ 5,.....	67	73	77	93	91	98	.640	.670	.682	.682	.726	.716
„ 6,.....	78	90	87	96	97	98	.755	.829	.908	.725	.750	.763
„ 7,.....	81	82	86	99	99	97	.916	.944	.945	.867	.890	.856
„ 8,.....	81	83	90	99	99	99	.935	.961	.810	.885	.885	.835
„ 9,.....	91	86	92	93	98	97	.886	.889	.876	.835	.908	.805
„ 10,.....	86	91	91	97	96	96	.802	.847	.865	.762	.765	.756
„ 11,.....	83	86	89	97	97	98	.849	.876	.875	.792	.809	.789
„ 12,.....	82	78	79	99	99	99	.893	.846	.834	.825	.825	.796
„ 13,.....	92	93	98	98	100	100	.896	.882	.932	.796	.808	.801
„ 14,.....	92	89	85	99	100	99	.894	.901	.890	.773	.831	.819
„ 15,.....	82	79	79	97	99	98	.896	.870	.853	.821	.853	.803
„ 16,.....	89	92	98	99	97	99	.858	.884	.905	.816	.784	.778
„ 17,.....	87	83	89	99	99	96	.872	.865	.874	.784	.805	.774
„ 18,.....	81	79	87	97	99	100	.904	.914	.947	.823	.885	.854
„ 19,.....	81	76	87	99	99	95	.921	.906	.949	.876	.872	.831
„ 20,.....	76	79	87	98	99	90	.906	.949	.953	.864	.907	.832
„ 21,.....	82	84	84	97	91	98	.969	.991	.909	.889	.869	.854
„ 22,.....	79	78	89	96	93	93	.922	.906	.926	.865	.894	.860
„ 23,.....	89	75	83	100	96	97	.955	.889	.932	.805	.831	.805
„ 24,.....	80	76	84	99	98	99	.920	.935	.941	.862	.881	.853
„ 25,.....	82	79	87	98	99	99	.975	.936	.952	.888	.880	.882
„ 26,.....	98	93	97	99	97	98	.872	.879	.828	.784	.776	.767
„ 27,.....	91	81	87	99	99	99	.933	.907	.947	.853	.880	.823
„ 28,.....	79	77	87	97	96	95	.949	.909	.949	.850	.864	.835
„ 29,.....	82	80	87	99	100	99	.938	.933	.942	.885	.895	.882
„ 30,.....	73	79	93	98	99	99	.873	.898	.912	.872	.856	.823
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean, ...	82	81	86	97	97	97	0.878	0.875	0.881	0.819	0.831	0.804

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
1888.												
June 1, ...	10	c-str. / nim.	SW	9	sm-cum. / cum.	SW	9	sm-cum. / cum.	WNW / SW	9	c-cum. / cum.	W / SW
„ 2, ...	10	c-str. / cum.	SSW	10	c-str. / cum.	SW	7	c-cum. / cum.	W / SW	6	c-str. / c-cum. / cum.	W / WSW / SSW
„ 3, ...	10	cum.	SW	10	cum.	SW	9	cum.	SW	10	R-cum.	N
„ 4, ...	10	nim.	...	10	cum-nim.	NE	10	cum-nim.	NE	8	sm-cum. / cum.	SSW / NE
„ 5, ...	10	cum.	...	10	cum.	NE	9	sm-cum.	W	7	c-cum. / cum.	W / ....
„ 6, ...	9	cum.	SE	10	cum.	SE	7	c-cum. / cum.	WSW / SE	10	R-cum.	S
„ 7, ...	10	cum.	...	10	cum.	SW	9	c-cum. / cum.	SW	7	c-str. / c-cum. / cum.	WNW / WSW / SW
„ 8, ...	10	cum.	SW	10	cum-nim.	SW	10	c-cum. / cum.	WSW / SSW	9	c-str. / c-cum. / cum.	NW / W / SW
„ 9, ...	10	nim.	...	10	nim.	SW	10	R-cum.	WSW	9	c-str. / cum-str.	N
„ 10, ...	10	nim.	...	10	cum-nim.	E	10	cum-nim.	ENE	10	cum-nim.	E
„ 11, ...	10	cum-nim.	E	10	nim.	E	10	R-cum.	E	10	R-cum.	E
„ 12, ...	10	nim.	E	10	cum-nim.	E	10	nim.	E	10	R-cum.	E
„ 13, ...	10	cum.	E	10	cum.	E	9	R-cum.	ENE	10	nim.	NE
„ 14, ...	10	nim.	ESE	10	nim.	ESE	10	cum-nim.	ESE	10	nim.	ESE
„ 15, ...	10	cum.	ENE	10	cum.	ENE	9	c-cum. / cum.	ENE	6	c. / cu-cum. / cum.	NE / E / ENE
„ 16, ...	10	nim.	E	10	R-cum.	NE	10	cum-nim.	NE	10	nim.	NNE
„ 17, ...	10	nim.	...	10	nim.	S	10	nim.	SW	10	nim.	SW
„ 18, ...	10	nim.	SW	10	nim.	SSW	10	cum-nim.	SSW	10	R-cum.	SW
„ 19, ...	10	cum.	SSW	9	cum.	SSW	10	sm-cum. / R-cum.	SSW	8	c-str. / cum.	SSW
„ 20, ...	10	cum.	S	10	R-cum.	SSW	7	c-cum. / cum.	SW / SSW	7	c-str. / c-cum. / cum.	.... / SW / S
„ 21, ...	10	cum.	S	10	cum-nim.	S	5	c. / sm-cum. / cum.	ENE / SW / S	7	c-str. / cum.	ENE / SSE
„ 22, ...	7	c-str. / cum.	SE	9	R-cum.	SE	7	c-str. / sm-cum. / cum.	.... / SE / SE	8	c-cum. / cum.	SE / SE
„ 23, ...	7	c-str. / cum.	...	8	c-cum. / cum.	ENE / S	9	c-str. / cum.	ENE / S	10	R-cum.	SW
„ 24, ...	10	cum.	SW	8	R-cum.	SW	10	c-cum. / cum.	SSW / SW	10	c-cum. / R-cum.	SW
„ 25, ...	10	R-cum.	SSW	10	cum-nim.	SW	10	R-cum.	SW	10	c-str. / R-cum.	SW
„ 26, ...	10	nim.	SW	10	R-cum.	SW	10	nim.	...	10	nim.	...
„ 27, ...	10	R-cum.	SW	10	cum-nim.	SW	10	nim.	SSE	10	cum-nim.	S
„ 28, ...	10	R-cum.	S	10	cum.	SSW	8	c-cum. / cum.	S	9	c-cum. / cum.	N / SSW
„ 29, ...	10	c-str. / cum.	SSW	9	cum.	SSW	9	c-str. / cum.	SSW	9	c-str. / c-cum. / cum.	.... / NNE / SSW
„ 30, ...	10	R-cum.	S	10	c-str. / cum.	S	9	c-str. / R-cum.	S	8	c-str. / cum.	N / S
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean, ...	9.8	...	...	9.7	...	...	9.1	...	...	8.9	...	...

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	
1888.													
June 1,.....	6	c. / cum.	W / SW	10	c-str. / cum.	W / SW	10	cum.	SW	10	R-cum.	...	9.1
„ 2,.....	8	c-str. / cum.	W / SSW	8	c-str. / cum.	SW	7	c-str. / cum.	SW	8	cum. / nim.	WSW	8.0
„ 3,.....	10	nim.	W	10	nim.	W	10	sm-cum. / nim.	W	10	cum.	NE	9.9
„ 4,.....	10	str-cum. / cum.	SW / NE	10	sm-cum. / cum.	WSW /	10	sm-cum. / cum.	WSW	2	cum.	...	8.7
„ 5,.....	10	sm-cum. / cum.	W / NE	10	c-cum. / cum.	W /	9	sm-cum. / cum.	W /	2	cum.	...	8.4
„ 6,.....	10	nim.	S	10	nim.	S	10	c-cum. / cum.	WSW / S	8	cum.	S	9.3
„ 7,.....	8	c-str. / cum.	WNW / SW	10	c-str. / cum.	SW	10	sm-cum. / cum.	SW	10	cum.	SW	9.2
„ 8,.....	10	str-cum. / cum.	W / SW	10	c-str. / sm-cum. / cum.	WNW / .... / SSW	10	cum.	SW	10	nim.	...	9.9
„ 9,.....	7	c-cum. / cum.	WSW / SW	10	sm-cum. / cum.	WSW	10	cum-nim.	WSW	10	cum-nim.	...	9.5
„ 10,.....	10	cum-nim.	E	10	sm-cum. / nim.	SSW / ESE	9	sm-cum. / nim.	E	10	cum-nim.	E	9.9
„ 11,.....	10	sm-cum. / cum.	E	10	R-cum.	E	10	R-cum.	E	10	nim.	E	10.0
„ 12,.....	9	sm-cum. / cum.	W / E	6	c-str. / cum.	NW / E	7	c-str. / cum.	W / E	4	cum.	E	8.3
„ 13,.....	10	nim.	NE	10	nim.	NE	10	nim.	...	10	nim.	...	9.9
„ 14,.....	10	nim.	E	10	nim.	E	10	nim.	E	10	cum-nim.	E	10.0
„ 15,.....	9	c-cum. / R-cum.	E / ENE	7	sm-cum. / cum.	E / ENE	10	c-cum. / cum.	E / ENE	10	R-cum.	E	8.9
„ 16,.....	10	nim.	NE	10	nim.	NE	10	nim.	NE	10	nim.	NE	10.0
„ 17,.....	10	R-cum.	SSW	10	sm-cum. / R-cum.	SSW	10	nim.	SW	10	nim.	...	10.0
„ 18,.....	10	R-cum.	SW	10	R-cum.	SSW	10	sm-cum. / cum.	SSW	10	R-cum.	SSW	10.0
„ 19,.....	10	cum.	SSW	9	cum.	SSW	8	cum.	SSW	9	cum.	SSW	9.1
„ 20,.....	10	c-cum. / cum-nim.	SSW	6	c-str. / cum.	SSW	2	c-str. / cum.	SSW	9	cum.	S	7.6
„ 21,.....	8	c-cum. / cum.	ENE / SSE	5	c-str. / cum.	ENE / SSE	5	c-str. / cum.	SSE	8	c-str. / cum.	SE	7.2
„ 22,.....	7	c str. / c-cum. / cum.	.... / ESE / SE	9	c-cum. / cum.	ESE / SE	4	c-str. / cum.	ESE	9	c-cum. / cum.	ENE	7.5
„ 23,.....	9	c-cum. / cum.	S / SW	10	c-str. / c-cum. / cum.	ENE / S / SW	10	c-cum. / nim.	S / SW	9	c-cum. / cum.	S / SW	9.0
„ 24,.....	9	c-str. / cum.	S	7	c-str. / sm-cum. / cum.	.... / S / SSW	10	sm-cum. / cum-nim.	SW	10	sm-cum. / cum-nim.	SSW	9.3
„ 25,.....	10	c-cum. / R-cum.	W / SW	10	nim.	SW	10	cum-nim.	SW	10	nim.	SW	10.0
„ 26,.....	10	nim.	SW	10	nim.	SSW	10	nim.	SW	10	nim.	...	10.0
„ 27,.....	10	R-cum.	S	10	str. / R-cum.	SSW	10	str. / R-cum.	SSW	10	str. / cum.	SSW	10.0
„ 28,.....	10	c-cum. / R-cum.	NNE / SW	10	c-str. / R-cum.	SSW	9	c-cum. / cum.	SSW	5	cum.	SSW	8.9
„ 29,.....	9	c-str. / cum.	SSW	10	c-str. / cum.	SSW	10	cum.	SW	10	R-cum.	SSW	9.5
„ 30,.....	10	cum-nim.	S	10	R-cum.	S	10	c-str. / cum.	S	10	cum.	S	9.6
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	9.3	...	...	9.2	...	...	9.0	...	...	8.8	...	...	9.2

JULY, 1888.

Unusual visibility—18th, 23rd, 25th, 26th and 27th.

Fog slight—25th (early morning).

Dew—21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th and 30th.

Lightning without thunder—3rd, 5th, 9th, 11th, 12th, 13th, 14th, 15th, 17th, 18th, 20th, 22nd, 23rd, 24th, 26th, 28th, 29th, 30th and 31st.

Thunder without lightning—2nd, 20th, 24th, 25th and 29th.

Thunder and lightning—Night of 20th to 21st; early morning of 26th; 29th in the evening; early morning of 30th.

Thunderstorms—1st, 2–3 a. in SW, nearest at 2.30 a. (20s.); 7th, 11.30 p.–8th, 2.30 a. in ESE, nearest at 1.16 a. (12s.); 10th, 4.30–6 p. in SE and SW, nearest at 5.38 p. (19s.).

Rainbow—5th, at 6 a.; 11th, at 7 a.; 24th, at 7 a.; 31st, at 6 a.

Solar halo—4th, 10th, 16th, 20th, 24th, 29th and 31st.

Lunar halo—27th.

Lunar Corona—18th.

The total distance traversed 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	79	14	5.6
NE	445	40	11.1
E	3616	247	14.6
SE	1252	124	10.1
S	1185	118	10.0
SW	292	40	7.3
W	423	62	6.8
NW	276	36	7.7
Calm	54	63	0.9

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF JULY, 1888.

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, ...	29.707	29.697	29.697	29.707	29.713	29.718	29.735	29.741	29.747	29.745	29.741	29.729	29.714	29.696	29.680	29.667	29.665	29.668	29.682	29.700	29.710	29.724	29.724	29.716	29.709
„ 2, ...	.713	.712	.705	.710	.725	.741	.753	.755	.771	.768	.756	.743	.732	.713	.705	.685	.681	.680	.696	.717	.738	.741	.739	.731	.725
„ 3, ...	.713	.696	.695	.686	.704	.711	.715	.723	.721	.721	.716	.706	.682	.663	.646	.640	.630	.612	.621	.630	.642	.656	.651	.658	.677
„ 4, ...	.645	.634	.631	.632	.630	.630	.621	.627	.647	.651	.645	.630	.619	.606	.596	.586	.584	.593	.605	.626	.644	.669	.670	.654	.628
„ 5, ...	.644	.634	.633	.632	.636	.647	.671	.671	.670	.684	.680	.680	.679	.676	.661	.661	.661	.668	.686	.711	.721	.743	.744	.738	.676
„ 6, ...	.709	.696	.687	.684	.691	.707	.729	.744	.760	.769	.763	.763	.753	.743	.717	.710	.715	.733	.742	.761	.773	.794	.799	.779	.738
„ 7, ...	.762	.742	.723	.717	.725	.729	.740	.748	.764	.767	.764	.746	.726	.710	.705	.687	.683	.674	.688	.703	.690	.710	.720	.714	.722
„ 8, ...	.704	.694	.677	.658	.649	.657	.675	.675	.677	.684	.686	.671	.657	.654	.625	.616	.611	.609	.623	.645	.649	.659	.664	.648	.657
„ 9, ...	.633	.613	.602	.593	.593	.605	.608	.613	.619	.618	.622	.613	.606	.589	.584	.598	.596	.595	.603	.620	.630	.647	.655	.640	.612
„ 10, ...	.643	.605	.586	.581	.578	.611	.613	.604	.598	.566	.579	.565	.542	.543	.515	.513	.546	.520	.540	.576	.604	.619	.629	.611	.579
„ 11, ...	.598	.602	.590	.589	.594	.608	.625	.636	.641	.652	.656	.649	.639	.632	.628	.619	.619	.639	.652	.675	.691	.711	.709	.707	.640
„ 12, ...	.707	.705	.705	.700	.703	.716	.734	.728	.734	.732	.724	.697	.680	.671	.646	.643	.633	.648	.652	.665	.669	.683	.695	.683	.690
„ 13, ...	.672	.669	.656	.636	.639	.650	.652	.647	.645	.636	.619	.598	.572	.546	.524	.503	.500	.492	.500	.510	.522	.520	.521	.493	.580
„ 14, ...	.469	.444	.419	.395	.400	.402	.407	.402	.389	.382	.367	.347	.334	.322	.316	.296	.297	.301	.299	.298	.294	.273	.272	.269	.350
„ 15, ...	.243	.239	.235	.201	.203	.198	.202	.177	.172	.163	.147	.122	.121	.127	.110	.122	.150	.177	.226	.273	.317	.350	.371	.404	.210
„ 16, ...	.404	.420	.425	.438	.438	.471	.488	.517	.541	.558	.576	.574	.569	.567	.567	.565	.571	.590	.608	.624	.638	.657	.659	.659	.547
„ 17, ...	.646	.637	.640	.637	.647	.649	.676	.690	.706	.710	.704	.695	.684	.661	.657	.651	.658	.670	.689	.700	.729	.734	.730	.725	.680
„ 18, ...	.706	.705	.701	.685	.684	.684	.702	.706	.706	.701	.691	.675	.661	.640	.629	.622	.619	.628	.629	.658	.675	.687	.689	.668	.673
„ 19, ...	.644	.636	.627	.637	.648	.661	.669	.675	.671	.668	.673	.646	.631	.623	.592	.586	.562	.565	.593	.626	.640	.646	.642	.637	.633
„ 20, ...	.634	.628	.627	.628	.628	.633	.640	.643	.641	.635	.622	.604	.589	.570	.553	.540	.549	.569	.574	.595	.619	.650	.643	.643	.611
„ 21, ...	.572	.568	.544	.545	.555	.563	.591	.596	.609	.609	.603	.586	.563	.537	.515	.492	.487	.505	.523	.553	.569	.568	.574	.572	.558
„ 22, ...	.558	.542	.541	.537	.536	.537	.538	.559	.565	.564	.564	.550	.530	.502	.482	.466	.472	.486	.504	.538	.551	.575	.566	.555	.534
„ 23, ...	.553	.543	.542	.536	.526	.526	.535	.549	.565	.560	.572	.565	.554	.540	.513	.497	.494	.498	.512	.533	.548	.550	.554	.566	.539
„ 24, ...	.553	.551	.551	.533	.538	.548	.555	.558	.571	.567	.557	.547	.534	.521	.498	.484	.481	.494	.501	.523	.562	.562	.564	.578	.539
„ 25, ...	.576	.558	.557	.555	.558	.568	.581	.584	.598	.601	.594	.582	.563	.569	.555	.548	.541	.546	.552	.573	.600	.617	.624	.618	.576
„ 26, ...	.616	.602	.597	.588	.589	.596	.605	.619	.627	.625	.620	.598	.579	.560	.545	.529	.525	.524	.548	.560	.572	.584	.592	.585	.583
„ 27, ...	.566	.551	.546	.543	.542	.548	.555	.563	.571	.567	.555	.543	.526	.511	.492	.486	.488	.483	.498	.511	.518	.516	.511	.510	.529
„ 28, ...	.502	.499	.490	.485	.486	.488	.485	.489	.492	.496	.481	.480	.475	.448	.440	.434	.442	.448	.473	.471	.487	.499	.484	.483	.477
„ 29, ...	.463	.448	.446	.446	.452	.485	.476	.484	.498	.508	.505	.487	.481	.483	.465	.461	.447	.469	.495	.514	.532	.536	.532	.528	.485
„ 30, ...	.513	.493	.498	.502	.505	.525	.536	.551	.564	.559	.555	.531	.528	.515	.515	.511	.497	.495	.520	.544	.567	.567	.568	.566	.530
„ 31, ...	.555	.535	.528	.539	.533	.530	.567	.564	.580	.579	.583	.552	.542	.541	.529	.525	.521	.521	.526	.554	.575	.589	.592	.589	.552
Hourly Means, ...	29.601	29.590	29.584	29.579	29.582	29.592	29.603	29.608	29.615	29.614	29.610	29.596	29.583	29.570	29.555	29.547	29.546	29.552	29.566	29.587	29.602	29.614	29.616	29.611	29.588

TABLE II.

TEMPERATURE FOR THE MONTH OF JULY, 1888.

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,	78.9	79.4	77.9	77.8	78.4	79.3	79.5	81.5	83.1	84.1	85.0	84.5	85.2	84.7	85.4	85.6	84.8	83.0	82.3	81.9	81.9	81.0	80.4	80.8	81.9	86.2	77.4
„ 2,	81.8	81.5	80.6	79.3	79.6	79.5	80.9	82.8	84.0	84.3	85.7	85.2	86.0	86.3	84.8	85.9	83.9	82.8	82.5	82.1	82.8	82.2	80.9	80.1	82.7	87.6	79.1
„ 3,	79.7	79.3	79.0	79.4	79.1	79.8	80.8	83.2	84.1	84.5	84.8	85.7	85.8	86.9	86.0	85.8	84.7	83.8	82.7	81.7	81.8	80.8	80.1	79.8	82.5	86.9	79.0
„ 4,	80.0	79.8	79.5	79.3	79.1	79.6	80.8	82.0	83.0	82.7	83.0	83.9	84.3	84.8	85.1	85.0	84.0	83.7	80.8	81.3	80.5	81.6	80.5	80.9	81.9	87.0	78.7
„ 5,	80.8	81.1	80.7	80.4	80.3	81.2	81.8	83.5	84.7	85.5	86.1	84.4	84.3	85.8	85.7	84.0	83.8	83.4	82.9	83.3	82.8	82.5	81.7	82.5	83.0	86.2	79.9
„ 6,	81.5	80.5	81.3	82.1	80.9	81.0	82.8	82.0	79.9	83.1	83.6	85.9	86.1	86.5	86.6	86.0	84.4	83.7	82.7	82.7	80.9	81.0	80.2	80.1	82.7	87.2	79.9
„ 7,	80.1	79.9	80.1	80.1	80.7	81.7	82.9	83.8	84.5	84.9	85.7	85.8	85.6	85.4	84.4	83.4	83.7	82.7	78.9	79.5	79.8	79.9	80.2	79.8	82.2	85.8	78.9
„ 8,	78.7	78.5	77.5	78.4	79.8	81.6	81.2	80.9	83.2	84.0	84.5	85.5	84.6	82.7	82.9	83.2	83.7	82.8	82.7	81.9	82.0	82.0	82.1	82.2	81.9	85.9	77.3
„ 9,	81.9	82.2	82.3	82.3	81.9	82.5	83.2	83.6	84.6	84.6	85.6	85.5	85.9	87.0	87.4	85.2	84.5	83.6	83.7	83.5	83.5	82.9	82.8	82.7	83.9	87.8	81.9
„ 10,	82.5	82.2	82.3	82.4	81.1	82.4	83.2	83.1	83.5	84.3	85.0	84.9	85.7	86.0	86.9	86.7	79.3	82.9	82.1	82.1	82.0	82.0	81.8	82.0	83.2	87.9	79.3
„ 11,	81.8	80.5	80.7	81.3	81.3	80.1	81.7	82.7	83.0	83.6	84.4	84.3	85.1	84.5	84.4	84.1	83.5	83.0	82.5	82.7	81.7	81.3	82.1	82.4	82.6	85.1	80.1
„ 12,	82.6	82.6	82.2	82.4	81.9	82.5	83.2	83.7	84.2	84.4	85.3	85.6	86.8	86.6	87.5	85.7	85.1	83.5	82.7	82.7	81.3	81.1	81.6	80.9	83.6	87.5	80.9
„ 13,	80.5	80.6	79.6	79.6	80.0	79.7	82.1	84.1	85.0	85.1	85.8	88.5	87.8	87.4	88.8	88.2	87.6	86.6	84.5	83.8	83.4	82.7	82.6	81.6	84.0	89.1	79.2
„ 14,	81.5	81.2	81.4	80.9	80.8	81.2	82.8	85.0	85.4	88.7	91.2	91.5	92.8	90.2	90.2	89.6	86.6	86.6	85.9	84.8	85.2	88.4	90.1	88.8	86.3	92.9	80.6
„ 15,	83.2	83.4	82.3	82.0	82.3	82.9	83.4	83.4	80.8	79.6	80.7	82.2	79.4	79.0	80.2	79.8	78.7	77.8	77.4	77.2	78.4	78.8	80.3	77.6	80.5	88.8	77.2
„ 16,	77.1	76.6	76.2	77.2	81.3	82.2	82.7	84.0	83.6	84.7	85.3	85.5	85.3	84.9	84.6	84.0	83.2	82.8	82.5	82.0	81.7	81.8	80.8	79.1	82.0	85.5	75.8
„ 17,	79.7	79.7	79.5	79.0	80.0	80.6	81.5	81.7	83.2	83.9	83.8	84.5	84.7	83.6	83.9	83.6	83.3	82.8	81.6	81.6	81.5	81.5	81.2	80.3	81.9	84.7	78.7
„ 18,	80.5	80.0	79.8	79.5	79.1	79.0	80.6	82.5	83.5	84.9	87.0	87.4	88.1	87.9	88.7	87.4	85.1	83.9	82.5	82.1	81.8	81.6	81.2	81.0	83.1	89.3	78.7
„ 19,	80.6	80.5	80.2	80.2	79.9	80.7	82.8	83.3	84.9	86.1	86.0	85.7	86.1	85.8	85.2	85.0	84.4	83.5	82.6	82.2	81.9	81.4	80.4	80.4	82.9	86.1	79.8
„ 20,	80.1	80.3	80.3	80.2	80.5	80.6	82.4	82.8	84.8	85.9	86.3	86.8	87.7	87.9	86.8	85.7	84.8	84.4	83.0	82.5	82.1	82.4	81.0	81.0	83.3	87.9	80.1
„ 21,	81.6	80.8	80.8	81.1	80.4	81.0	81.9	82.4	83.5	84.8	87.5	88.4	87.8	88.1	88.4	88.8	88.4	86.5	84.4	84.7	83.6	83.1	82.2	81.8	84.2	89.8	80.2
„ 22,	81.7	81.3	80.9	80.9	80.4	80.3	81.9	84.1	84.9	86.7	87.6	86.7	87.6	88.3	86.4	86.3	85.6	84.7	84.3	83.8	83.6	83.4	83.0	82.5	84.0	88.3	79.8
„ 23,	82.1	81.7	80.9	80.9	80.8	80.8	82.5	83.3	84.8	86.5	87.3	87.9	88.5	88.6	86.2	85.6	86.5	85.6	83.7	84.3	83.5	83.0	82.7	82.4	84.2	89.3	80.3
„ 24,	81.9	82.5	83.6	83.2	82.3	82.1	83.0	83.5	84.2	85.7	85.8	87.0	88.6	84.8	84.5	86.5	86.8	84.7	83.9	83.7	83.0	82.8	82.5	82.3	84.1	90.2	81.9
„ 25,	82.3	82.2	81.9	81.7	81.7	81.7	82.9	84.1	84.3	86.1	87.1	87.3	88.3	86.1	83.8	84.2	84.4	83.4	83.1	82.9	82.7	81.1	81.8	81.0	83.6	88.8	80.9
„ 26,	81.4	80.9	78.2	78.3	78.6	78.7	80.5	82.7	84.1	84.6	84.5	85.2	85.4	86.4	85.5	84.9	84.4	83.6	82.6	81.8	81.9	81.6	81.3	81.3	82.4	86.4	77.3
„ 27,	80.5	79.7	80.7	80.0	79.9	80.5	82.1	83.4	85.0	86.4	86.5	87.2	87.8	88.2	87.2	84.8	85.5	83.9	82.7	82.8	82.7	81.4	81.3	81.7	83.4	88.8	79.6
„ 28,	80.9	80.9	81.3	81.2	81.1	80.2	83.3	83.9	85.4	86.2	87.3	88.1	88.7	87.9	87.7	87.0	86.4	85.2	83.7	83.6	83.8	82.5	82.0	81.7	84.2	88.9	79.9
„ 29,	81.8	80.8	80.1	80.9	79.9	79.6	79.1	79.9	81.0	83.0	83.9	86.8	86.7	83.7	85.3	84.8	84.6	83.9	82.9	82.5	82.2	81.7	81.1	81.4	82.4	86.8	78.1
„ 30,	80.9	81.2	80.9	80.7	79.5	79.7	81.3	83.2	81.6	85.4	85.9	87.3	88.1	87.7	86.8	86.7	86.4	84.8	84.2	83.5	83.6	82.8	82.2	81.7	83.6	88.4	79.4
„ 31,	80.9	80.7	80.3	80.2	80.4	79.2	81.1	82.7	83.2	85.4	87.6	87.0	87.1	86.8	86.1	86.0	85.6	83.7	83.7	84.4	82.3	82.7	81.4	80.6	83.3	87.6	79.2
Hourly Means,	81.0	80.7	80.4	80.4	80.4	80.7	81.9	83.0	83.7	84.8	85.7	86.2	86.5	86.1	85.9	85.5	84.6	83.8	82.8	82.6	82.3	82.0	81.7	81.4	83.1	87.7	79.3

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF JULY, 1888.

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.
July 1,	77.0	77.4	76.6	75.8	76.2	77.1	76.4	78.4	78.7	78.3	79.6	79.4	79.4	79.9	80.0	78.1	78.8	78.1	78.0	77.9	78.1	78.0	77.8	77.9	78.0	134.6
„ 2,	78.2	78.6	78.0	76.1	76.0	75.4	76.3	78.0	79.8	79.0	79.3	78.5	81.1	80.2	80.5	80.4	79.1	79.2	79.0	78.9	78.8	77.7	76.8	76.8	78.4	146.5
„ 3,	76.5	76.4	76.2	76.5	76.4	76.8	77.6	78.5	78.2	79.7	79.9	79.0	80.0	79.9	78.9	79.0	78.0	77.5	78.0	77.8	76.9	77.2	77.3	77.2	77.9	148.3
„ 4,	76.4	76.6	76.5	76.9	77.3	77.5	78.1	78.6	78.7	78.8	78.3	79.1	79.9	78.6	80.0	79.3	78.8	77.6	77.1	77.3	78.0	78.0	77.7	77.8	78.0	142.5
„ 5,	77.2	77.2	77.3	77.4	77.1	78.1	77.9	78.3	77.9	78.4	78.7	78.5	78.6	78.8	79.0	77.1	77.0	77.9	77.1	77.1	77.1	77.6	77.4	77.8	77.8	147.2
„ 6,	77.8	78.0	78.2	78.0	78.1	77.9	78.8	78.3	77.2	78.4	78.5	79.3	79.2	79.7	79.3	79.1	78.1	78.0	77.9	78.0	76.9	77.0	77.8	78.0	78.2	148.3
„ 7,	78.0	78.3	78.4	78.3	78.4	78.6	79.3	79.7	79.7	79.5	80.0	80.0	80.2	79.3	78.7	77.9	78.1	78.5	76.5	77.2	76.8	76.7	77.5	77.8	78.5	150.1
„ 8,	76.8	76.7	76.7	77.4	77.0	78.5	78.8	78.4	78.9	79.5	79.1	79.0	79.1	78.9	78.2	79.0	78.5	77.7	77.4	77.5	77.7	77.7	77.8	77.6	78.1	145.5
„ 9,	77.9	78.2	78.5	78.6	78.4	78.7	78.8	78.8	78.9	79.0	79.1	78.6	79.1	78.3	*77.5	76.7	76.6	77.5	77.2	78.5	78.0	78.0	78.2	78.4	78.2	142.6
„ 10,	77.9	77.3	77.2	77.9	76.4	77.3	78.1	78.3	78.6	78.2	78.6	78.6	80.2	78.4	78.7	77.3	76.1	77.9	78.8	78.6	78.2	78.0	78.0	77.9	78.0	135.7
„ 11,	77.4	77.7	77.7	77.0	77.2	77.6	77.9	78.0	78.1	78.1	79.2	79.0	79.3	78.9	78.7	78.4	78.1	78.0	77.9	78.2	78.5	78.4	78.0	78.3	78.1	142.5
„ 12,	78.3	78.5	78.5	78.1	78.0	78.0	78.8	79.0	79.3	79.1	79.3	79.0	79.9	79.5	80.0	78.1	77.9	78.9	78.1	78.0	78.9	78.8	79.6	78.8	78.8	140.7
„ 13,	78.4	79.2	78.4	77.9	78.2	77.7	78.8	78.6	78.9	79.2	79.3	81.0	80.4	81.3	81.0	80.0	80.5	80.1	80.0	80.1	80.0	80.0	80.0	79.8	79.5	144.7
„ 14,	79.2	79.3	79.3	79.4	79.5	80.0	80.6	80.7	81.6	81.3	78.2	78.1	78.5	78.3	77.4	79.7	79.0	79.8	79.2	79.2	78.3	75.9	75.4	76.0	78.9	148.6
„ 15,	79.2	79.9	79.3	78.4	78.4	76.9	77.8	76.0	77.0	76.2	77.2	77.4	77.0	77.1	77.4	77.7	76.9	77.1	76.5	75.3	76.2	76.1	76.3	75.2	77.2	116.5
„ 16,	74.1	74.5	74.7	74.8	77.6	77.8	78.0	77.8	78.7	79.1	79.1	79.0	79.1	78.3	78.5	78.7	78.3	79.0	77.4	77.4	77.4	77.4	77.5	77.6	77.6	147.2
„ 17,	77.8	77.2	76.8	76.6	76.8	76.7	77.6	78.0	78.0	78.0	79.0	78.8	79.5	79.1	79.0	78.9	77.6	77.8	77.8	78.0	78.0	78.5	78.4	78.3	78.0	141.3
„ 18,	78.1	78.0	77.2	77.6	77.4	77.8	78.1	78.9	77.9	79.0	77.5	77.1	78.3	80.1	79.2	79.0	77.0	77.0	76.8	77.8	78.1	78.7	78.3	78.1	78.0	149.4
„ 19,	77.9	78.0	77.9	77.5	77.3	78.0	78.9	78.5	78.1	78.9	79.1	79.4	79.3	79.2	79.0	79.2	79.0	79.1	78.8	78.7	78.1	78.1	78.0	77.4	78.5	143.4
„ 20,	77.7	77.7	78.5	77.9	77.4	78.1	78.7	78.9	78.1	78.5	79.2	80.1	79.8	79.6	80.1	79.4	79.9	79.0	78.0	78.0	77.9	78.4	77.3	77.6	78.6	146.5
„ 21,	78.0	77.5	77.8	77.2	77.3	78.0	78.0	77.2	77.8	77.2	78.8	79.2	79.0	80.0	80.2	79.9	80.0	79.8	78.0	76.3	77.8	78.1	77.6	78.4	78.3	144.4
„ 22,	77.6	77.7	78.0	78.3	77.9	78.5	79.2	79.2	79.7	80.9	80.1	79.4	80.1	80.7	79.4	78.9	78.3	79.0	78.6	78.3	78.0	77.9	78.0	78.2	78.8	149.6
„ 23,	78.2	77.9	78.0	78.0	78.3	78.5	79.1	79.2	79.0	78.3	79.8	79.2	80.2	79.9	78.9	79.6	79.4	79.0	79.3	78.7	78.7	79.0	78.1	78.3	78.9	147.1
„ 24,	78.3	78.5	79.0	78.8	77.8	78.0	79.0	79.0	78.7	78.9	79.5	79.9	80.1	79.1	78.1	80.0	80.1	79.4	79.1	78.1	79.3	79.1	79.0	79.0	79.0	151.0
„ 25,	79.0	78.4	78.7	78.8	78.1	78.2	78.9	78.8	79.0	78.7	79.9	77.5	79.6	78.5	79.0	78.7	78.4	79.0	78.0	78.0	77.7	78.0	77.8	77.8	78.5	146.6
„ 26,	76.9	76.2	75.2	75.5	76.4	76.9	78.0	78.9	78.5	78.4	78.7	78.6	78.0	78.5	77.9	77.4	77.8	76.9	77.1	77.3	77.0	77.0	77.1	77.3	77.4	143.5
„ 27,	76.9	76.1	76.0	76.5	76.2	76.3	78.0	78.1	77.1	78.2	78.8	77.4	78.9	78.7	79.3	79.3	78.0	77.0	76.9	75.0	75.1	76.8	76.6	76.5	77.2	149.1
„ 28,	77.0	77.0	76.9	77.0	77.6	77.9	79.2	79.7	79.1	79.9	80.1	79.5	80.1	79.2	80.1	79.5	79.2	79.6	79.0	78.9	79.0	80.0	79.1	79.2	78.9	152.2
„ 29,	78.9	78.6	78.5	78.2	78.5	77.8	77.4	78.9	78.6	79.1	79.4	80.3	79.0	79.1	79.5	79.7	79.1	79.5	79.2	79.1	79.4	80.0	79.5	79.2	79.0	155.3
„ 30,	79.5	79.1	79.1	78.1	77.9	77.1	79.0	80.1	78.3	80.0	80.1	80.9	80.5	79.8	80.2	80.2	80.7	80.2	79.0	79.3	80.0	79.3	78.7	79.3	79.4	148.7
„ 31,	78.8	79.0	78.5	78.3	79.0	77.9	79.0	79.1	79.8	80.9	81.3	80.5	79.9	79.8	79.8	80.5	80.7	80.4	80.0	80.0	79.8	79.6	78.9	78.8	79.6	146.5
Hourly Means,	77.8	77.8	77.7	77.5	77.6	77.7	78.4	78.6	78.6	78.9	79.2	79.1	79.5	79.2	79.1	78.9	78.5	78.6	78.1	78.0	78.1	78.1	77.9	77.9	78.4	145.0

* Interpolated.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF JULY, 1888.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1888.		
1 a.	86	0.911	July 1,.....	83	0.907
2 „	87	.915	„ 2,.....	82	.915
3 „	88	.914	„ 3,.....	81	.895
4 „	87	.906	„ 4,.....	83	.907
5 „	88	.910	„ 5,.....	78	.884
6 „	87	.911	„ 6,.....	81	.906
7 „	85	.926	„ 7,.....	84	.926
8 „	81	.920	„ 8,.....	84	.912
9 „	79	.911	„ 9,.....	76	.890
10 „	76	.909	„ 10,.....	78	.890
11 „	74	.911	„ 11,.....	81	.902
Noon.	72	.900	„ 12,.....	80	.922
1 p.	72	.914	„ 13,.....	81	.948
2 „	72	.906	„ 14,.....	70	.889
3 „	73	.904	„ 15,.....	86	.891
4 „	74	.900	„ 16,.....	81	.888
5 „	76	.894	„ 17,.....	83	.907
6 „	78	.909	„ 18,.....	79	.892
7 „	80	.900	„ 19,.....	81	.916
8 „	81	.898	„ 20,.....	80	.916
9 „	82	.906	„ 21,.....	75	.890
10 „	83	.911	„ 22,.....	78	.916
11 „	84	.906	„ 23,.....	78	.918
Midt.	85	.910	„ 24,.....	79	.924
			„ 25,.....	79	.908
			„ 26,.....	79	.874
			„ 27,.....	74	.851
			„ 28,.....	78	.918
			„ 29,.....	85	.946
			„ 30,.....	82	.949
			„ 31,.....	84	.962
Mean, ...	80	0.908	Mean,.....	80	0.908

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.
1888.														
July 1,	...	...	...	...	0.1	0.1	0.5	0.9	0.8	0.9	1.0	0.5	...	4.8
„ 2,	0.2	0.7	1.0	1.0	0.9	1.0	0.2	0.7	0.9	0.7	1.0	0.7	0.1	9.1
„ 3,	0.7	0.8	0.9	0.9	1.0	0.7	0.9	1.0	0.8	0.9	0.9	0.7	0.5	10.7
„ 4,	0.2	0.5	0.7	0.3	0.7	0.9	1.0	0.1	0.4	0.6	0.9	0.6	...	6.9
„ 5,	0.3	0.5	0.9	1.0	0.9	1.0	0.2	0.2	0.8	0.9	0.5	0.1	...	7.3
„ 6,	...	...	0.1	...	...	0.5	0.7	0.9	1.0	1.0	1.0	0.9	0.1	6.2
„ 7,	0.1	0.9	1.0	1.0	0.8	1.0	1.0	1.0	0.9	0.6	...	...	...	8.3
„ 8,	...	0.4	0.4	0.8	0.9	1.0	0.8	0.9	0.2	0.1	...	...	...	5.5
„ 9,	0.3	0.9	0.9	1.0	1.0	0.9	1.0	0.9	1.0	0.8	...	...	...	8.7
„ 10,	...	...	...	...	...	...	...	0.2	0.3	0.8	0.4	...	...	1.7
„ 11,	...	0.3	1.0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	...	10.0
„ 12,	...	0.5	1.0	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.3	10.2
„ 13,	...	0.3	0.8	0.8	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.5	10.1
„ 14,	...	0.4	1.0	1.0	0.9	0.9	0.5	0.1	...	...	...	...	...	4.8
„ 15,	...	...	...	...	...	...	...	...	...	...	..	...	...	...
„ 16,	...	...	0.3	...	0.1	0.2	0.8	0.7	0.8	0.6	0.5	...	...	4.0
„ 17,	...	...	...	0.3	0.9	1.0	1.0	1.0	1.0	1.0	0.5	1.0	...	7.7
„ 18,	0.5	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.9	0.7	0.3	0.8	...	10.1
„ 19,	0.4	1.0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	0.4	11.3
„ 20,	0.4	0.4	0.3	1.0	0.8	0.5	0.9	0.9	0.5	1.0	1.0	0.9	0.2	8.8
„ 21,	0.1	0.9	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0	0.5	11.0
„ 22,	0.5	1.0	1.0	1.0	1.0	1.0	0.4	0.9	1.0	0.9	1.0	1.0	0.5	11.2
„ 23,	0.4	1.0	0 9	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0	1.0	0.5	11.6
„ 24,	0.3	0.6	1.0	1.0	1.0	1.0	1.0	0.8	0.3	1.0	1.0	1.0	0.4	10.4
„ 25,	0.1	0.9	0.9	0.7	1.0	1.0	1.0	0.8	...	...	...	...	...	6.4
„ 26,	0.4	0.7	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.4
„ 27,	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.9	...	10.9
„ 28,	0.4	0.9	0.9	1.0	0.8	1.0	0.7	1.0	1.0	1.0	1.0	0.7	0.4	10.8
„ 29,	...	...	...	...	...	...	0.9	0.4	0.2	0.1	..	0.8	0.5	2.9
„ 30,	0.1	0.9	0.8	0.3	1.0	1.0	1.0	0.9	1.0	0.6	0.6	1.0	0.2	9.4
„ 31,	...	0.3	0.5	0.7	1.0	1.0	0.8	1.0	1.0	1.0	1.0	0.4	...	8.7
Sums,.....	5.6	16.8	21.0	21.4	23.4	24.6	24.3	23.8	22.6	23.2	20.1	18.6	5.5	250.9
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF JULY, 1888.

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,	...	0·210	0·285	...	0·040	0·065	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·600
„ 2,	...	0·020	...	0·020	0·025	...	...	...	...	...	...	...	...	...	0·095	...	...	...	...	...	...	...	...	...	0·160
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	0·030	...	...	...	0·050	0·035	...	0·020	...	...	...	0·135
„ 5,	...	...	...	0·015	...	0·055	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·070
„ 6,	...	...	...	...	0·040	0·005	...	0·065	0·030	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·140
„ 7,	...	...	...	...	...	0·235	...	0·005	...	0·040	...	...	...	...	...	...	...	0·190	0·050	0·035	...	...	...	0·430	0·985
„ 8,	0·345	0·185	0·025	...	...	...	0·015	0·025	...	...	...	0·120	...	0·005	...	...	...	...	...	...	...	...	...	...	0·720
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·050	0·065	0·110	...	...	...	...	...	...	0·225
„ 11,	*0·050	*0·250	*0·250	*0·025	*0·050	...	...	...	*0·050	...	...	...	...	...	...	...	...	...	...	...	0·010	0·005	...	...	0·690
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	0·060	0·050	0·025	...	...	0·300	0·300	0·255	0·245	0·180	0·655	0·495	0·110	0·010	0·085	...	1·115	3·885
„ 16,	0·525	0·375	0·590	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·300	0·050	1·840
„ 17,	...	...	...	...	...	...	...	0·030	0·050	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·080
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	0·065	0·005	0·095	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·165
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	0·040	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·040
„ 29,	...	...	...	...	0·440	...	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·450
„ 30,	...	...	...	0·030	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	0·040
„ 31,	...	...	...	...	0·190	0·025	...	...	...	...	...	...	...	...	...	...	0·040	...	...	...	0·070	...	...	...	0·325
Sums,	0·985	1·045	1·245	0·130	0·785	0·385	0·015	0·195	0·180	0·065	...	0·120	0·300	0·335	0·350	0·295	0·285	1·005	0·580	0·145	0·110	0·090	0·300	1·605	10·550

* Clock stopped. Total taken from spare gauge and hourly values entered from estimations

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF JULY, 1888.

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.		
July 1,	30	6	5	8	28	6	27	3	1	4	14	5	8	3	10	5	15	5	17	4	16	7	15	8	16	9	16	8	16	10	17	13	18	9	17	11	18	5	18	3	18	4	18	3	17	3	17	5	147	6.1
" 2,	17	4	18	6	18	3	20	6	27	6	17	5	1	4	10	4	15	5	17	10	16	7	18	9	22	7	22	8	12	5	21	6	17	6	17	7	16	6	14	9	13	7	13	10	13	8	12	4	152	6.3
" 3,	...	1	12	3	12	3	9	5	9	3	9	5	9	3	9	3	6	5	8	8	7	10	8	10	9	9	8	4	15	6	15	8	15	9	15	6	15	7	12	4	12	6	11	6	11	5	11	6	135	5.6
" 4,	11	6	9	2	9	2	...	0	9	2	...	1	8	3	...	0	7	8	8	15	7	13	9	12	10	9	15	9	14	9	10	6	13	9	14	8	10	4	11	6	9	3	9	4	9	5	10	6	142	5.9
" 5,	11	9	11	9	11	9	10	9	10	7	13	11	13	12	13	12	14	13	16	11	15	14	18	12	18	11	18	12	15	12	16	12	15	10	15	9	15	11	15	9	15	6	14	8	8	6	6	5	239	10.0
" 6,	6	5	9	5	9	8	12	10	14	7	9	9	10	10	13	12	5	12	13	10	13	21	14	19	14	16	14	15	14	16	12	16	12	15	13	14	12	11	12	11	8	16	12	17	7	8	6	6	289	12.0
" 7,	7	7	8	13	8	9	9	8	9	5	7	8	9	12	8	15	7	14	13	13	8	17	9	16	8	17	10	21	7	15	8	11	9	14	8	15	6	17	7	18	7	11	7	10	8	10	10	10	306	12.7
" 8,	5	13	4	7	12	4	9	14	6	14	6	15	6	12	6	11	6	19	7	17	7	18	6	16	6	15	9	22	7	19	6	17	6	17	7	19	6	19	7	19	6	18	6	21	7	21	7	21	388	16.2
" 9,	7	21	7	22	6	19	6	17	7	18	7	17	7	22	8	26	7	23	7	23	6	22	6	24	7	25	6	23	7	30	7	31	7	27	8	28	8	26	6	21	7	25	7	22	8	24	8	34	570	23.8
" 10,	9	36	7	26	8	31	7	26	7	22	7	21	7	22	6	26	6	28	6	31	7	28	7	28	7	26	7	27	6	32	7	36	6	36	6	34	7	31	9	30	9	30	8	33	8	33	8	37	710	29.6
" 11,	8	35	10	36	10	31	8	32	8	33	9	33	9	33	9	37	9	37	10	39	10	40	9	31	8	29	8	28	8	29	8	29	8	29	7	26	8	25	8	22	8	22	9	18	7	19	7	19	712	29.7
" 12,	7	16	6	13	6	14	6	14	7	13	6	13	6	12	7	17	6	16	7	15	9	12	7	12	7	12	7	11	8	10	10	8	9	10	9	9	11	4	...	1	12	5	12	2	12	2	...	1	242	10.1
" 13,	...	1	...	0	...	0	...	1	...	1	9	2	...	1	6	2	8	4	9	9	8	7	26	5	25	7	25	10	23	11	22	13	22	10	22	8	18	3	14	8	17	7	14	6	15	7	15	2	125	5.2
" 14,	...	1	...	1	22	4	24	9	25	2	25	2	...	1	...	1	24	4	28	4	32	6	32	10	4	6	6	9	29	6	26	4	26	6	25	4	24	4	25	5	27	7	32	10	31	16	4	19	141	5.9
" 15,	8	16	9	7	6	4	23	6	23	12	27	14	28	15	29	14	23	16	27	21	26	18	28	20	27	19	21	20	18	26	17	28	15	29	16	28	18	36	18	38	16	34	15	36	15	32	17	28	517	21.5
" 16,	17	23	16	19	15	15	12	16	14	35	14	34	14	32	14	30	14	24	14	25	14	26	14	27	14	26	14	25	13	29	13	25	12	21	13	17	13	16	12	14	11	18	12	14	13	14	10	16	541	22.5
" 17,	10	21	12	20	11	14	13	17	11	16	10	21	10	18	9	18	10	20	10	22	10	25	9	22	8	22	9	21	9	17	9	23	8	22	9	20	9	15	10	14	9	12	8	10	8	4	8	6	420	17.5
" 18,	8	4	8	2	32	3	...	1	...	1	32	2	...	1	...	1	30	3	29	3	30	2	10	5	23	7	24	7	2	7	14	7	8	11	8	13	10	6	8	5	10	5	9	5	...	1	...	0	102	4.2
" 19,	...	1	...	1	...	0	...	1	12	3	12	2	...	1	11	3	10	7	9	11	10	14	9	16	9	20	9	21	9	18	9	14	9	12	8	8	10	7	11	7	13	4	13	5	13	3	13	2	181	7.5
" 20,	...	1	...	1	...	1	...	1	32	2	...	1	7	2	7	3	7	2	22	4	22	4	24	6	23	5	19	9	10	12	9	15	8	14	10	8	12	6	14	5	14	5	14	4	14	3	...	1	115	4.8
" 21,	15	9	16	4	10	5	7	4	3	3	3	2	30	5	24	9	23	8	23	5	23	3	24	7	25	7	24	7	25	6	25	7	25	6	24	4	16	5	16	2	16	2	11	2	...	1	...	1	114	4.8
" 22,	13	2	13	2	13	2	...	1	...	1	...	0	...	1	26	3	27	5	25	8	25	8	24	5	18	6	18	12	18	11	16	14	18	12	19	8	19	5	19	4	19	3	...	1	19	2	19	3	119	5.0
" 23,	19	3	26	2	...	1	26	2	26	2	...	1	26	2	27	6	24	8	23	12	22	12	22	12	22	12	24	13	29	13	26	7	26	8	22	5	22	5	20	2	20	2	14	2	14	2	14	3	137	5.7
" 24,	14	2	16	2	19	6	19	7	21	8	22	5	27	5	25	7	24	11	24	10	24	9	25	8	24	6	28	12	29	10	28	6	28	6	27	6	26	4	16	4	16	2	...	1	16	2	16	3	142	5.9
" 25,	...	1	...	1	...	1	16	2	...	1	...	1	16	2	22	2	23	4	14	4	15	7	15	11	16	10	15	6	32	6	24	3	24	4	11	8	10	7	9	5	9	2	9	3	7	4	6	6	101	4.2
" 26,	7	5	6	4	8	14	6	3	15	2	11	2	11	5	9	5	9	8	7	14	8	14	8	15	8	12	8	13	8	14	8	12	11	7	13	8	12	6	12	3	10	2	7	4	7	4	6	3	179	7.5
" 27,	8	2	8	3	8	3	...	1	...	0	...	1	8	3	8	2	10	7	7	6	7	5	10	5	8	8	16	9	10	7	10	8	15	11	14	9	11	8	12	7	11	6	11	6	10	7	11	7	131	5.5
" 28,	10	5	...	1	6	4	6	5	6	4	8	3	5	5	10	5	17	5	18	7	20	4	18	7	18	8	16	10	17	10	17	8	17	7	16	7	18	5	17	2	...	1	...	1	...	1	...	1	116	4.8
" 29,	7	3	...	1	...	1	...	0	28	5	24	11	25	5	26	5	...	1	...	1	3	3	3	2	16	7	15	5	18	5	21	4	16	3	28	5	...	1	32	2	32	3	7	4	8	5	8	3	85	3.5
" 30,	8	4	6	4	6	3	17	2	21	3	27	3	27	2	4	7	15	8	24	5	26	7	27	6	16	8	16	12	16	8	20	5	15	6	15	4	15	6	15	4	6	4	6	5	6	10	10	8	134	5.6
" 31,	8	6	5	4	7	3	4	2	12	4	...	1	13	2	13	3	13	4	26	5	25	4	16	11	17	12	10	10	8	18	8	17	8	18	10	13	12	12	11	11	14	10	14	10	13	6	12	4	190	7.9
Sums,	...	269	...	229	...	223	...	225	...	239	...	251	...	256	...	294	...	334	...	372	...	387	...	397	...	393	...	419	...	427	...	413	...	404	...	369	...	323	...	295	...	282	...	283	...	268	...	270	7622	317.5
Hourly Means,	...	8.7	...	7.4	...	7.2	...	7.3	...	7.7	...	8.1	...	8.3	...	9.5	...	10.9	...	12.0	...	12.5	...	12.8	...	12.7	...	13.5	...	13.8	...	13.3	...	13.0	...	11.9	...	10.4	...	9.5	...	9.1	...	9.1	...	8.6	...	8.7	245.9	10.2

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR JULY, 1888.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	0.5	6.5	2.0	0.1	−1.5	+ 6.4	E 13° S
2 „	0.7	5.4	2.1	0.1	1.5	5.2	E 16° S
3 „	0.7	5.2	1.9	0.4	1.1	4.7	E 13° S
4 „	0.6	5.2	1.5	0.9	0.9	4.3	E 12° S
5 „	0.7	4.8	2.1	1.0	1.3	3.8	E 19° S
6 „	0.8	5.3	1.9	0.9	1.1	4.4	E 14° S
7 „	1.2	5.6	1.7	0.8	0.5	4.9	E 6° S
8 „	1.1	6.7	1.7	1.2	0.5	5.5	E 5° S
9 „	1.2	6.7	2.2	1.8	1.0	4.9	E 12° S
10 „	1.0	7.2	3.0	2.3	2.0	4.9	E 22° S
11 „	0.8	7.6	3.5	2.0	2.6	5.6	E 25° S
Noon.	1.5	7.2	3.3	2.2	1.8	5.0	E 20° S
1 p.	0.7	7.1	3.6	2.3	2.9	4.8	E 31° S
2 „	0.6	6.9	4.7	2.6	4.1	4.3	E 44° S
3 „	1.4	8.0	4.3	1.7	2.9	6.3	E 25° S
4 „	0.5	8.1	4.5	1.5	4.1	6.7	E 31° S
5 „	0.9	7.7	4.5	1.4	3.6	6.3	E 30° S
6 „	0.6	7.2	4.4	1.0	3.8	6.2	E 32° S
7 „	0.5	6.2	4.3	1.0	3.9	5.2	E 37° S
8 „	0.3	5.8	4.1	0.8	3.8	5.1	E 37° S
9 „	0.5	5.9	3.4	0.3	2.9	5.6	E 27° S
10 „	0.6	6.1	3.5	0.0	2.8	6.1	E 25° S
11 „	0.6	6.0	2.5	0.0	1.9	6.0	E 18° S
Midt.	0.6	6.5	2.4	0.1	−1.7	+ 6.4	E 15° S
Mean,.....	0.8	6.5	3.0	1.1	−2.3	+ 5.4	E 22° S

TABLE IX.

DIRECTION AND FORCE OF THE WIND AND RAINFALL AT VICTORIA PEAK, AND RAINFALL AT THE OBSERVATORY.

Date.	10 a.		4 p.		10 p.		Rain.		
	Direction	Force.	Direction	Force.	Direction	Force.	Peak.	Observatory.	Duration.
1888.							ins.	ins.	hrs.
July 1,.....	SW	5	SW	4	SW	4	0.24	0.065	1
„ 2,.....	S	4	SW	3	SW	4	...	0.095	1
„ 3,.....	S	3	S	4	S	4	...	...	...
„ 4,.....	S	3	S	4	S	4	...	0.205	1
„ 5,.....	SSE	4	S	4	SE	4	...	0.140	1
„ 6,.....	SE	5	S	4	S	4	...	0.280	1
„ 7,.....	S	4	ESE	3	E	4	0.40	1.300	3
„ 8,.....	E	3	E	4	E	4	0.30	0.125	1
„ 9,.....	E	5	E	5	E	5	...	...	...
„ 10,.....	E	6	E	7	E	7	0.75	0.900	3
„ 11,.....	E	6	E.	5	E	5	...	0.015	1
„ 12,.....	E	4	E	3	E	1	...	...	...
„ 13,.....	E	2	WNW	4	SSW	2	...	...	...
„ 14,.....	NE	3	NE	4	NNE	4	...	0.135	1
„ 15,.....	NNE	5	SSW	5	SSW	8	6.15	5.240	13
„ 16,.....	SSW	6	SSW	5	SE	5	...	0.430	2
„ 17,.....	S	4	ESE	3	SE	3	...	...	...
„ 18,.....	ESE	3	SSW	2	SE	1	...	...	...
„ 19,.....	E	2	ENE	2	...	0	...	...	...
„ 20,.....	NNE	2	SSW	2	S	1	...	...	...
„ 21,.....	...	0	...	0	S	2	...	...	...
„ 22,.....	SW	2	SW	4	SW	4	...	...	...
„ 23,.....	S	4	SSW	3	SW	2	...	...	...
„ 24,.....	SW	2	SW	1	S	1	...	...	...
„ 25,.....	SW	2	SW	1	SW	3	0.12	0.165	1
„ 26,.....	ESE	3	SSW	3	SE	4	...	...	...
„ 27,.....	SE	2	SE	3	SE	3	...	0.040	1
„ 28,.....	S	3	S	4	S	4	0.68	0.450	2
„ 29,.....	SE	4	SE	3	SE	4	0.24	0.030	1
„ 30,.....	SW	3	S	4	S	4	...	0.225	1
„ 31,.....	S	4	S	4	ESE	4	...	0.120	1
Mean,.....	S 36° E	3.5	S 18° E	3.5	S 29° E	3.5	8.88	9.960	36

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1888.	ins.	ins.	ins.	°	°	°	°	°	°	°
July 1,.....	28.048	28.001	28.012	75.0	76.0	75.4	136.1	77.6	73.3	72.6
„ 2,.....	.065	.018	27.993	75.8	77.1	75.1	137.3	77.1	74.2	73.4
„ 3,.....	.035	27.989	.994	76.5	77.4	74.1	147.0	79.8	74.1	75.0
„ 4,.....	.042	.947	.962	76.5	76.7	75.2	146.5	77.5	74.1	74.1
„ 5,.....	27.997	.990	28.017	76.5	76.7	75.4	142.4	77.2	74.8	73.4
„ 6,.....	28.062	28.050	.106	75.4	77.1	74.7	143.6	77.1	74.2	72.4
„ 7,.....	.061	.021	27.979	75.6	77.7	75.8	138.2	78.5	74.7	72.4
„ 8,.....	27.993	27.943	.922	75.7	75.4	75.1	130.4	77.2	75.1	73.5
„ 9,.....	.928	.908	.925	76.5	78.8	75.5	142.7	79.5	75.1	72.4
„ 10,.....	.921	.813	.817	75.7	78.1	76.1	127.0	78.3	74.3	73.3
„ 11,.....	.947	.946	.975	76.0	77.2	75.4	139.6	78.2	74.8	73.4
„ 12,.....	28.037	.995	28.023	76.5	80.0	77.2	139.9	80.2	75.0	72.6
„ 13,.....	27.963	.905	27.843	78.8	81.7	77.2	142.4	83.2	76.7	74.3
„ 14,.....	.666	.673	.607	82.2	81.8	79.7	144.8	84.2	74.0	74.0
„ 15,.....	.523	.490	.465	74.1	74.7	73.8	123.3	79.7	73.8	72.7
„ 16,.....	.874	.894	.944	75.4	75.7	74.8	121.1	76.2	73.8	70.8
„ 17,.....	28.013	.989	28.005	75.7	78.4	75.0	139.3	78.4	74.5	72.5
„ 18,.....	.015	.966	27.979	78.7	78.7	76.4	144.5	81.6	74.7	72.3
„ 19,.....	27.982	.937	.946	79.7	80.4	76.5	142.4	82.2	75.3	72.4
„ 20,.....	.955	.901	.926	79.5	79.8	76.5	140.3	82.2	76.2	76.6
„ 21,.....	.936	.882	.898	78.8	80.0	76.7	143.4	83.2	75.5	74.8
„ 22,.....	.888	.842	.844	77.5	77.4	76.4	133.0	79.2	76.3	73.1
„ 23,.....	.900	.865	.905	76.8	78.1	76.5	142.4	80.2	75.3	73.3
„ 24,.....	.884	.848	.874	77.7	80.8	78.7	147.7	81.5	75.3	73.4
„ 25,.....	.917	.890	.911	77.8	76.8	76.5	141.3	81.5	75.0	73.0
„ 26,.....	.938	.897	.872	77.7	77.7	76.0	149.8	78.3	75.3	73.6
„ 27,.....	.887	.873	.886	77.8	78.2	76.0	151.1	79.2	74.3	73.0
„ 28,.....	.824	.782	.786	77.7	78.7	76.8	142.4	79.6	75.4	74.4
„ 29,.....	.819	.795	.803	76.8	77.2	76.4	150.8	80.3	75.3	74.4
„ 30,.....	.876	.848	.882	77.0	79.4	76.9	144.5	80.5	74.6	73.0
„ 31,.....	.908	.881	.913	78.7	79.8	75.8	143.5	80.2	75.7	73.8
Mean,.....	27.932	27.896	27.904	77.1	78.2	76.1	140.6	79.7	74.9	73.4

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND VICTORIA PEAK.

Date. 1888.	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,.....	76	70	87	98	95	96	0.891	0.862	0.920	0.849	0.857	0.843
„ 2,.....	78	78	81	96	97	99	.921	.965	.890	.859	.907	.861
„ 3,.....	80	73	85	97	89	96	.951	.900	.887	.885	.831	.808
„ 4,.....	83	77	85	96	91	92	.933	.925	.912	.876	.832	.806
„ 5,.....	72	72	79	92	92	93	.877	.838	.882	.843	.844	.819
„ 6,.....	80	72	83	96	91	94	.910	.903	.875	.843	.843	.812
„ 7,.....	77	77	86	94	94	90	.936	.883	.877	.837	.899	.798
„ 8,.....	81	82	82	96	100	97	.948	.936	.892	.856	.882	.848
„ 9,.....	77	66	79	93	84	93	.917	.805	.894	.851	.821	.822
„ 10,.....	75	63	83	97	86	94	.884	.811	.906	.861	.823	.852
„ 11,.....	77	76	87	94	91	97	.889	.896	.934	.849	.854	.856
„ 12,.....	78	70	90	96	91	85	.924	.861	.956	.876	.931	.801
„ 13,.....	76	69	88	91	83	94	.919	.914	.989	.898	.896	.879
„ 14,.....	71	63	54	81	75	64	.970	.882	.727	.890	.822	.651
„ 15,.....	85	91	88	98	98	96	.859	.922	.865	.828	.845	.803
„ 16,.....	77	78	81	96	94	96	.920	.911	.882	.843	.836	.831
„ 17,.....	75	80	87	95	90	93	.880	.926	.936	.844	.877	.812
„ 18,.....	76	67	87	83	87	86	.912	.878	.944	.806	.848	.786
„ 19,.....	71	76	86	87	84	92	.892	.920	.919	.882	.869	.843
„ 20,.....	70	75	83	86	88	90	.876	.920	.919	.863	.894	.822
„ 21,.....	70	66	79	79	93	85	.833	.902	.896	.780	.958	.787
„ 22,.....	77	70	77	94	93	91	.977	.889	.883	.889	.877	.832
„ 23,.....	68	76	83	94	87	92	.859	.931	.938	.872	.839	.843
„ 24,.....	73	74	84	90	90	84	.897	.937	.946	.857	.947	.819
„ 25,.....	70	77	87	93	89	87	.883	.908	.919	.885	.818	.793
„ 26,.....	75	70	81	91	86	92	.889	.840	.867	.869	.815	.824
„ 27,.....	68	77	81	90	85	91	.856	.928	.861	.860	.821	.816
„ 28,.....	75	70	89	91	87	90	.937	.907	.992	.861	.848	.830
„ 29,.....	83	79	92	95	93	92	.943	.947	1.002	.880	.867	.836
„ 30,.....	78	74	85	95	89	92	.952	.944	0.955	.886	.899	.854
„ 31,.....	81	78	87	95	86	94	.995	.968	.970	.934	.872	.843
Mean, ...	76	74	83	93	90	91	0.911	0.902	0.911	0.862	0.864	0.820

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
1888.												
July 1, ...	9	cum.	S	10	nim.	S	10	c-str. / R-cum.	N / S	10	c-str. / R-cum.	SSW
„ 2, ...	7	cum.	SSW	10	R-cum.	SSW	8	cum.	SSW	6	c-str. / cum.	E / SSW
„ 3, ...	1	cum.	...	8	c-str. / cum.	S	3	cum.	S	4	cum.	S
„ 4, ...	0	...	...	0	...	...	6	c-str. / cum.	ENE / SSE	9	c-str. / cum.	ENE / SSE
„ 5, ...	7	cum.	S	9	cum.	S	8	c-cum. / cum.	NE / SSE	6	c-cum. / cum.	NNE / S
„ 6, ...	9	cum.	SE	10	R-cum.	SE	9	sm-cum. / cum.	S / SE	9	c-cum. / cum.	ENE / SE
„ 7, ...	0	...	...	8	cum.	SE	5	c-str. / cum.	SE	8	c-str. / cum.	SE
„ 8, ...	10	nim.	SE	10	R-cum.	SE	4	c-str. / cum.	SE	7	cum.	SE
„ 9, ...	9	cum.	E	10	cum.	E	6	c-str. / cum.	ESE	6	cum.	E
„ 10, ...	10	cum.	ENE	10	cum.	ENE	10	c-str. / cum.	ENE	10	c-str. / R-cum.	ENE
„ 11, ...	9	cum-nim.	E	10	nim.	E	5	c-cum. / cum.	ESE	5	cum.	ESE
„ 12, ...	6	cum.	ESE	9	R-cum.	ESE	5	sm-cum. / cum.	ESE	6	cum.	ESE
„ 13, ...	8	cum.	...	10	cum-nim.	NE	3	sm-cum. / cum.	N / NE	8	cum.	N
„ 14, ...	6	cum.	...	10	R-cum.	...	7	c-str. / c-cum.	ENE / E	5	c-cum. / cum.	E / NE
„ 15, ...	10	cum-nim.	ENE	8	cum.	ENE	10	cum-nim.	ENE	10	str. / nim.	N
„ 16, ...	10	nim.	SSW	10	nim.	SSW	10	c-str. / sm-cum. / R-cum.	NNE / .... / SSW	10	c-str. / R-cum.	S
„ 17, ...	10	cum-nim.	SE	10	R-cum.	SE	8	sm-cum. / cum.	SE	6	c-cum. / cum.	S / SE
„ 18, ...	0	...	...	0	...	...	1	cum.	...	7	cum.	E
„ 19, ...	4	cum.	ENE	6	cum.	NE	4	c-cum. / cum.	E / NE	2	c-cum. / cum.	E / NNE
„ 20, ...	8	c-str. / cum.	NE	3	cum.	NE	9	c-str. / cum.	NE /	7	c-str. / cum.	N / N
„ 21, ...	4	cum.	NE	9	cum.	NE	1	c-str. / cum.	N / N	2	sm-cum. / cum.	NE / W
„ 22, ...	5	cum.	SW	7	cum.	WSW	2	cum.	WSW	5	cum.	SW
„ 23, ...	0	...	...	1	cum.	SW	2	cum.	SW	3	cum.	SW
„ 24, ...	1	cum.	...	3	cum.	WNW	7	cum-str.	WNW	7	c-str. / cum.	WNW / N
„ 25, ...	1	cum.	...	2	cum.	...	2	c-cum. / cum.	E /	6	c-cum. / cum.	ENE / SE
„ 26, ...	5	nim.	SE	8	cum.	SE	4	c-str. / cum.	NNE / ESE	4	c-str. / cum.	S
„ 27, ...	3	cum.	SE	8	c-str. / cum.	S	6	c-str. / cum.	NE / S	4	c-str. / cum.	NE / S
„ 28, ...	9	c-str. / cum.	S	9	c-str. / cum.	S	6	c-str. / cum.	S	8	c-str. / cum.	S
„ 29, ...	8	nim.	S	10	cum.	SW	10	c-str. / cum-nim.	SW	10	cum-nim.	SW
„ 30, ...	4	cum.	...	10	cum-nim.	S	3	c-str. / cum.	E / S	6	c-str. / sm-cum. / cum.	E / S / SW
„ 31, ...	4	cum-nim.	S	6	cum.	S	10	nim.	S	4	c-str. / c-cum. / cum.	E / SSE / S
Mean, ...	5.7	...	...	7.4	...	...	5.9	...	...	6.5	...	...

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	
1888.													
July 1,.....	7	c-str. / cum.	NE / SSW	7	c-str. / cum.	E / SSW	9	c-str. / cum-nim.	SW	7	cum.	SSW	8.6
„ 2,.....	4	c. / cum.	ENE / SSW	3	c-str. / cum.	E / SW	3	c-str. / cum.	SSW	1	cum.	...	5.2
„ 3,.....	5	c-str. / cum.	SSE	2	c-str. / cum.	SW	2	cum.	...	0	...	...	3.1
„ 4,.....	9	c-cum. / cum.	ENE / SSE	8	c-str. / cum.	ENE / SSE	8	c-str. / cum.	ENE / SSE	2	cum.	S	5.3
„ 5,.....	10	nim.	S	5	c-cum. / cum.	SW	9	c-str. / cum.	S	10	R-cum.	SSE	8.0
„ 6,.....	10	c-str. / cum.	NE / SE	8	c-cum. / cum.	SE	3	c. / cum.	SE	3	cum.	SE	7.6
„ 7,.....	9	c-str. / cum.	SE	9	c-cum. / cum-str.	E /	8	cum.	SE	10	cum-nim.	SE	6.5
„ 8,.....	4	c-str. / cum.	E	9	cum.	E	9	cum.	E	5	cum.	E	7.2
„ 9,.....	7	c. / R-cum.	E / E	10	str-cum. / cum-nim.	ENE	9	str-cum. / cum.	ENE	2	cum.	ENE	7.4
„ 10,.....	9	c-str. / cum.	ESE / ENE	9	str. / cum.	ENE	10	str. / cum-nim.	ENE	9	cum.	ENE	9.6
„ 11,.....	5	cum.	ESE	8	R-cum.	E	8	cum.	ESE	6	cum.	ESE	7.0
„ 12,.....	3	cum.	E	2	cum.	ESE	4	c. / cum.	...	5	cum.	ESE	5.0
„ 13,.....	2	cum.	N	1	c-str. / cum.	N	3	c. / cum.	NE	10	R-cum.	NE	5.6
„ 14,.....	9	sm-cum.	ENE	10	sm-cum. / R-cum.	NNE	10	sm-cum. / R-cum.	ENE / NNE	10	R-cum.	NNE	8.4
„ 15,.....	10	nim.	WNW	10	nim.	SW	10	nim.	SSW	10	nim.	S	9.8
„ 16,.....	10	c-str. / R-cum.	SSE	8	c-str. / cum.	SE	7	cum.	SSE	8	cum.	SE	9.1
„ 17,.....	4	cum.	SE	9	cum-nim.	ESE	6	c-cum. / cum.	ESE	3	cum.	SE	7.0
„ 18,.....	3	c-str. / cum.	ENE	10	cum.	ENE	5	c-str. / cum.	ENE	8	sm-cum. / cum.	ENE	4.2
„ 19,.....	1	c. / cum.	ENE / NE	2	cum.	NE	2	c. / cum.	ENE / NE	8	cum.	NE	3.6
„ 20,.....	6	c-str. / cum.	N / NNE	6	c-str. / cum.	NNE	5	c-str. / cum.	N / NNE	7	c-str. / sm-cum. / cum.	NE	6.4
„ 21,.....	2	sm-cum. / cum.	NE / W	1	cum.	W	1	cum.	...	0	...	...	2.5
„ 22,.....	5	cum.	SW	1	cum.	SSW	1	cum.	...	0	...	...	3.3
„ 23,.....	3	cum.	SW	1	cum.	SW	0	...	...	0	...	...	1.2
„ 24,.....	7	c-str. / cum.	NNE	2	c-str.	...	2	c-str.	...	0	...	...	3.6
„ 25,.....	4	c-cum. / cum.	ENE / SE	7	c-cum. / cum.	NNE / SE	7	c-str.	ENE	5	c-str. / cum.	NE / SE	4.3
„ 26,.....	3	c-str. / cum.	SSE	2	c-str. / cum.	SE	2	c-str. / cum.	ESE	3	c-str. / cum.	SE	3.9
„ 27,.....	3	str. / cum.	SSE	5	c-str. / cum.	ENE / SE	9	c-str.	...	5	c-str.	...	5.4
„ 28,.....	5	c-str. / cum.	S	2	c-str. / cum.	S	4	c-str. / cum.	S	0	...	...	5.4
„ 29,.....	7	c-str. / cum.	S	7	c-str. / cum.	S	4	c-str. / cum.	S	0	...	...	7.0
„ 30,.....	5	c-str. / cum.	SW	7	c-str. / cum.	E / SW	2	c-str. / sm-cum. / cum.	E / SE / SW	2	cum.	SE	4.9
„ 31,.....	6	c-str. / cum.	E / S	6	c-str. / cum.	E / S	5	c-str. / cum.	E / SSE	2	cum.	SE	5.4
Mean,.....	5.7	...	...	5.7	...	...	5.4	...	...	4.5	...	...	5.9

AUGUST, 1888.

Unusual visibility—4th, 5th, 28th, 29th and 31st.

Dew—1st, 14th, 15th, 18th, 20th, 21st, 22nd, 23rd, 24th, 25th, 27th, 28th, 29th, 30th and 31st.

Fog slight—2nd, 3rd, 19th, 20th, 21st, 22nd, 23rd, 25th, 26th, 27th, 28th, 29th and 30th.

Lightning without thunder—1st, 2nd, 3rd, 4th, 6th, 7th, 8th, 9th, 10th, 16th, 25th, 26th, 27th, 28th, 29th and 30th.

Thunder without lightning—2nd, 21st and 25th.

Lightning and thunder—7th, 19th, 20th and 31st.

Thunderstorms—17th, 9 p.-18th, 2.30 a. in S and W nearest at 9.31 p. (7s.), 11.32 p. (8s.); 18th, 11.35 p.-19th, 7 a. from SE to W, nearest at 11.45 p. (6s.), 0.41 a. (6s.), 2.5 a. (9s.) continuing but more distant till 7 a.

Solar halo—2nd, 3rd, 7th, 16th, 22nd and 24th.

Lunar halo—16th, 18th, 21st, 22nd and 24th.

Lunar Corona—16th and 21st.

Rainbow—1st, at 4 p.; 20th, at 7 a.

The total distance traversed 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	34	10	3.4
NE	60	12	5.0
E	1258	139	9.0
SE	271	36	7.5
S	700	90	8.0
SW	1746	150	11.6
W	1567	163	9.6
NW	408	51	8.0
Calm	53	93	0.6

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF AUGUST, 1888.

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, ...	29.580	29.561	29.555	29.555	29.556	29.578	29.580	29.591	29.603	29.610	29.606	29.603	29.587	29.571	29.561	29.550	29.540	29.543	29.563	29.580	29.615	29.626	29.621	29.597	29.580
„ 2, ...	.573	.555	.545	.548	.551	.563	.576	.590	.596	.605	.593	.584	.576	.573	.538	.524	.507	.520	.538	.554	.576	.595	.588	.568	.564
„ 3, ...	.552	.533	.524	.521	.519	.529	.546	.563	.572	.570	.567	.540	.527	.504	.479	.464	.476	.485	.510	.523	.541	.554	.558	.546	.529
„ 4, ...	.532	.513	.512	.506	.511	.525	.545	.553	.564	.565	.567	.555	.533	.505	.489	.489	.498	.512	.525	.548	.575	.593	.592	.581	.537
„ 5, ...	.567	.553	.543	.536	.546	.562	.576	.594	.600	.598	.595	.582	.564	.545	.532	.519	.510	.507	.515	.542	.570	.575	.576	.573	.557
„ 6, ...	.554	.544	.541	.539	.544	.553	.573	.584	.597	.592	.591	.580	.557	.537	.529	.508	.501	.507	.518	.532	.548	.555	.557	.539	.549
„ 7, ...	.528	.511	.505	.503	.507	.509	.521	.533	.545	.550	.551	.527	.495	.465	.445	.444	.460	.463	.487	.521	.569	.568	.559	.508	.511
„ 8, ...	.447	.437	.439	.462	.477	.491	.487	.488	.495	.494	.486	.462	.473	.450	.437	.439	.436	.426	.428	.441	.465	.482	.497	.483	.463
„ 9, ...	.439	.414	.400	.401	.409	.412	.422	.433	.441	.448	.453	.442	.425	.407	.404	.380	.389	.391	.409	.428	.447	.462	.449	.437	.423
„ 10, ...	.419	.411	.410	.397	.396	.399	.409	.412	.410	.417	.429	.421	.419	.399	.394	.396	.396	.407	.416	.422	.444	.456	.460	.450	.416
„ 11, ...	.439	.436	.420	.416	.419	.429	.433	.449	.453	.454	.458	.459	.438	.414	.404	.398	.390	.392	.395	.409	.423	.434	.452	.434	.427
„ 12, ...	.422	.413	.410	.401	.399	.406	.426	.445	.458	.463	.459	.445	.423	.411	.405	.389	.399	.414	.427	.451	.465	.477	.477	.462	.431
„ 13, ...	.453	.451	.444	.451	.456	.461	.480	.504	.513	.521	.515	.511	.510	.498	.490	.485	.498	.519	.536	.554	.573	.589	.590	.576	.507
„ 14, ...	.571	.567	.573	.576	.580	.603	.620	.664	.671	.698	.680	.663	.663	.645	.640	.641	.644	.646	.666	.689	.702	.718	.716	.706	.648
„ 15, ...	.699	.692	.693	.690	.688	.702	.710	.720	.731	.740	.727	.709	.686	.673	.652	.635	.626	.633	.653	.672	.677	.673	.665	.646	.683
„ 16, ...	.623	.606	.594	.577	.569	.566	.564	.555	.550	.547	.516	.493	.464	.427	.408	.396	.380	.363	.375	.391	.415	.416	.397	.378	.482
„ 17, ...	.372	.365	.355	.343	.343	.340	.366	.384	.386	.397	.385	.382	.373	.363	.348	.347	.355	.387	.412	.440	.456	.511	.511	.509	.393
„ 18, ...	.511	.513	.515	.514	.524	.538	.563	.596	.612	.616	.618	.616	.606	.592	.595	.607	.620	.635	.651	.678	.695	.712	.713	.720	.607
„ 19, ...	.726	.716	.694	.706	.706	.726	.772	.771	.787	.794	.792	.778	.774	.774	.750	.746	.738	.748	.765	.798	.818	.846	.850	.832	.767
„ 20, ...	.803	.785	.785	.779	.784	.801	.822	.836	.849	.850	.835	.831	.821	.797	.779	.761	.764	.776	.782	.814	.832	.848	.849	.837	.809
„ 21, ...	.821	.792	.793	.785	.789	.812	.827	.838	.845	.847	.834	.830	.809	.790	.757	.756	.760	.772	.776	.788	.809	.818	.824	.821	.804
„ 22, ...	.808	.796	.792	.783	.787	.790	.803	.813	.822	.825	.811	.803	.789	.767	.741	.726	.729	.734	.749	.773	.784	.794	.795	.792	.784
„ 23, ...	.784	.781	.779	.782	.787	.784	.795	.805	.813	.811	.805	.790	.780	.764	.740	.739	.723	.732	.741	.769	.789	.793	.789	.790	.778
„ 24, ...	.790	.779	.772	.776	.782	.792	.788	.802	.812	.807	.799	.790	.768	.756	.734	.722	.714	.726	.735	.746	.760	.770	.772	.758	.769
„ 25, ...	.747	.731	.732	.734	.735	.735	.744	.760	.769	.753	.751	.744	.732	.718	.715	.702	.700	.702	.694	.704	.716	.733	.734	.711	.729
„ 26, ...	.690	.680	.683	.682	.676	.687	.692	.705	.716	.718	.713	.697	.671	.641	.627	.617	.614	.617	.631	.662	.659	.648	.652	.653	.668
„ 27, ...	.652	.644	.639	.627	.631	.634	.650	.655	.670	.674	.666	.649	.630	.610	.597	.583	.586	.598	.615	.623	.646	.657	.662	.654	.636
„ 28, ...	.642	.639	.629	.644	.639	.646	.663	.673	.686	.689	.686	.675	.654	.639	.629	.622	.622	.630	.639	.663	.678	.691	.704	.696	.657
„ 29, ...	.689	.689	.681	.674	.681	.693	.704	.712	.712	.708	.703	.693	.671	.649	.630	.617	.628	.633	.637	.659	.682	.692	.698	.694	.676
„ 30, ...	.679	.663	.659	.664	.665	.670	.687	.701	.701	.696	.691	.666	.637	.624	.612	.608	.604	.624	.633	.651	.664	.663	.669	.670	.658
„ 31, ...	.668	.652	.648	.656	.660	.668	.672	.682	.691	.703	.703	.680	.664	.639	.635	.624	.625	.625	.647	.676	.693	.700	.694	.679	.666
Hourly Means, ...	29.606	29.594	29.589	29.588	29.591	29.600	29.613	29.626	29.635	29.637	29.632	29.619	29.604	29.585	29.571	29.562	29.562	29.570	29.583	29.603	29.622	29.634	29.635	29.623	29.603

TABLE II.

TEMPERATURE FOR THE MONTH OF AUGUST, 1888.

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,	81.4	80.9	80.7	81.1	81.5	82.5	84.2	85.1	85.1	84.8	85.7	87.6	87.5	89.0	86.6	83.6	85.6	84.7	83.6	83.5	83.0	82.5	81.9	81.4	83.9	89.4	80.2
„ 2,	82.4	81.6	81.9	81.9	81.8	81.4	82.5	84.6	85.0	82.7	85.3	85.5	79.2	78.8	78.6	82.9	81.7	81.9	81.7	81.6	81.6	81.7	81.6	81.3	82.0	87.0	78.2
„ 3,	81.1	80.7	80.7	80.5	80.4	80.5	81.6	82.7	84.0	85.6	85.2	85.9	87.1	87.4	89.1	87.5	86.6	85.6	84.6	83.8	83.7	83.6	83.5	82.7	83.9	89.3	80.2
„ 4,	82.8	82.6	82.3	82.3	83.0	82.9	83.4	84.5	85.7	86.1	87.3	87.6	89.0	89.6	89.7	88.6	87.2	86.2	85.5	84.6	84.9	84.6	84.4	84.0	85.4	90.4	82.2
„ 5,	84.4	83.5	83.4	83.4	82.9	83.0	83.8	84.8	85.7	86.5	87.8	88.8	89.2	89.2	89.0	89.4	87.7	86.5	85.1	84.3	85.4	84.7	84.6	85.0	85.8	89.8	82.8
„ 6,	85.1	84.9	83.6	83.4	83.1	82.9	83.8	84.9	85.5	86.7	87.8	88.8	88.8	88.6	87.8	88.3	86.7	85.5	84.7	84.7	84.6	84.5	83.3	83.4	85.5	89.7	82.9
„ 7,	83.4	83.4	83.1	82.5	83.1	82.5	83.7	84.7	85.8	87.2	87.3	88.4	89.8	88.6	87.7	86.3	86.4	85.4	85.2	83.8	76.4	77.9	77.4	78.1	84.1	89.8	76.4
„ 8,	78.3	78.5	78.7	79.2	79.5	79.7	80.4	81.5	82.1	82.8	83.8	84.0	78.4	78.0	80.8	80.2	80.0	79.7	79.6	79.6	79.8	79.9	80.3	79.8	80.2	84.2	77.2
„ 9,	79.8	80.5	80.4	80.1	80.2	80.0	80.5	81.7	80.7	82.0	81.7	82.1	80.3	80.6	80.3	80.2	80.5	80.7	80.8	80.5	79.7	79.4	79.2	79.5	80.5	83.2	79.0
„ 10,	78.4	77.4	77.5	77.5	76.6	76.9	77.9	77.5	78.7	80.3	80.0	81.7	80.8	80.4	79.3	79.8	79.3	78.8	78.7	78.5	78.8	77.8	79.4	76.4	78.7	81.7	75.8
„ 11,	76.0	75.2	75.2	75.6	76.2	76.3	76.7	78.0	78.5	78.6	79.7	80.9	81.8	82.1	81.3	79.7	78.6	79.6	79.6	78.2	77.7	78.6	79.4	79.6	78.5	82.1	75.2
„ 12,	80.2	79.9	79.9	79.2	78.4	78.5	77.6	77.7	76.1	75.6	75.4	76.8	77.8	78.0	78.6	77.7	78.1	78.0	77.7	78.5	79.3	79.4	78.9	77.5	78.1	80.2	75.2
„ 13,	78.6	78.5	79.0	75.2	76.0	77.0	77.5	77.7	79.4	82.3	82.1	83.7	83.8	82.4	82.9	82.9	82.6	81.4	81.6	81.5	81.0	81.4	78.5	76.9	80.2	83.8	75.2
„ 14,	76.9	76.7	76.1	76.4	76.0	75.5	75.9	77.7	79.0	75.6	78.0	79.8	80.7	82.9	81.1	80.2	79.0	78.8	78.6	78.8	79.1	79.4	78.9	78.7	78.3	82.9	74.7
„ 15,	78.7	78.1	77.8	77.2	77.7	77.1	77.6	77.9	77.8	78.4	79.8	80.7	80.1	81.0	81.3	81.2	80.9	79.3	79.6	78.6	78.6	78.3	78.3	77.9	78.9	81.3	76.9
„ 16,	77.6	77.5	78.0	78.3	78.6	79.0	79.5	80.7	82.1	82.9	83.8	84.5	84.9	85.6	86.4	86.3	86.8	85.8	84.8	84.8	84.4	83.6	83.8	83.3	82.6	86.8	77.5
„ 17,	82.8	84.9	83.8	83.3	83.4	83.2	83.5	83.8	84.7	86.0	87.2	88.5	88.8	88.2	87.3	87.6	86.1	84.6	84.7	82.7	82.6	77.8	77.9	77.7	84.2	88.8	77.2
„ 18,	77.1	78.2	77.8	77.1	77.8	77.0	77.7	78.6	81.6	85.0	85.2	84.4	85.0	85.6	84.7	82.9	82.2	81.7	81.2	80.7	80.6	80.3	80.2	75.2	80.7	85.6	75.2
„ 19,	74.1	72.7	73.9	75.0	74.7	74.6	75.6	75.9	77.2	78.7	79.1	79.3	78.2	76.7	77.5	78.0	78.8	77.6	77.1	76.6	76.7	77.5	76.7	76.2	76.6	80.0	72.2
„ 20,	75.5	76.0	75.8	75.8	75.7	76.1	76.6	76.5	76.8	80.0	81.1	82.5	83.0	82.2	81.7	81.7	80.5	79.7	79.6	79.5	79.4	78.8	78.2	78.0	78.8	83.4	75.5
„ 21,	77.6	77.6	77.2	77.0	77.3	77.4	77.6	79.6	81.8	83.3	81.9	81.4	83.1	85.6	85.0	82.8	81.3	81.1	79.9	78.8	78.8	77.6	78.4	77.3	80.0	85.6	77.0
„ 22,	76.8	76.9	76.8	76.7	77.5	77.0	78.5	80.6	80.9	82.2	83.8	84.8	85.8	84.5	85.8	84.9	83.9	81.8	81.5	80.6	80.6	79.1	78.5	78.4	80.7	86.3	76.5
„ 23,	78.3	78.3	78.5	78.4	78.0	77.8	79.4	81.5	81.9	82.8	84.2	84.9	86.3	85.3	85.4	85.4	83.3	82.2	81.4	81.4	80.3	79.8	79.7	78.6	81.4	86.6	77.7
„ 24,	78.6	78.4	78.5	78.0	77.9	77.8	79.4	81.6	82.2	83.5	85.0	84.5	84.9	86.2	86.1	84.9	83.8	83.2	82.5	82.4	81.1	79.3	78.6	78.6	81.5	86.5	77.7
„ 25,	78.6	78.2	78.5	78.1	78.7	78.7	80.4	81.6	81.6	83.5	84.6	83.3	84.1	83.6	82.4	80.5	79.3	78.6	79.3	79.2	79.7	79.2	79.2	79.0	80.4	84.6	77.8
„ 26,	78.3	77.6	78.0	77.8	77.9	78.5	79.6	80.8	81.7	83.0	84.1	84.3	85.3	86.1	85.6	84.1	83.4	80.7	80.0	80.3	79.3	78.4	77.2	76.6	80.8	86.7	76.5
„ 27,	76.2	76.4	76.2	76.2	76.1	76.4	78.2	81.1	80.9	79.5	84.0	84.0	85.7	86.1	86.6	86.1	84.2	82.6	82.2	81.7	81.2	79.9	79.4	79.4	80.8	87.2	75.8
„ 28,	79.1	79.3	79.2	79.0	78.6	78.3	79.8	81.6	82.8	83.7	83.3	85.4	85.9	86.8	86.0	85.4	84.0	82.6	81.6	81.8	80.7	80.7	80.6	80.0	81.9	86.8	77.9
„ 29,	79.3	79.3	79.0	78.9	79.2	78.9	80.4	81.6	82.6	83.3	85.3	86.3	86.5	86.6	87.6	86.2	84.2	83.6	82.9	82.5	81.7	81.5	81.2	80.6	82.5	87.9	78.4
„ 30,	80.6	80.0	79.6	79.3	78.9	78.1	79.9	82.4	83.0	84.3	86.3	86.4	86.8	87.1	87.7	87.3	85.3	83.4	82.9	81.7	82.5	82.1	81.7	81.5	82.9	88.3	78.0
„ 31,	81.3	80.6	80.1	80.3	80.1	79.5	81.6	83.3	84.5	85.2	86.6	86.1	87.7	88.3	85.7	85.7	84.4	83.6	82.6	82.0	80.7	81.2	80.5	80.4	83.0	88.9	79.5
Hourly Means,	79.3	79.2	79.1	78.9	78.9	78.9	79.8	81.0	81.8	82.6	83.6	84.3	84.4	84.6	84.4	83.8	83.0	82.1	81.6	81.2	80.8	80.3	80.0	79.5	81.4	86.0	77.5

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF AUGUST, 1888.

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.
Aug. 1,	78.6	78.2	78.1	77.9	78.3	77.7	79.3	79.5	79.1	79.7	80.1	79.9	81.0	80.9	80.0	79.8	79.4	79.3	78.7	79.1	79.0	79.3	79.6	79.5	79.2	145.4
„ 2,	79.6	79.3	79.4	79.6	78.9	77.7	79.6	80.5	79.3	78.8	79.5	80.0	77.5	76.9	77.2	78.4	77.4	78.0	78.7	78.4	78.2	78.1	77.1	77.3	78.6	143.5
„ 3,	77.4	77.2	77.1	76.7	77.1	77.6	78.2	78.2	78.8	79.1	80.4	80.0	80.5	80.1	81.1	81.0	80.0	79.9	79.9	79.9	79.8	79.7	79.7	79.7	79.1	148.8
„ 4,	80.0	80.0	79.3	79.9	80.2	79.4	79.1	79.8	79.9	79.1	80.2	79.9	79.8	80.1	79.3	79.9	80.3	79.3	79.0	80.0	80.0	79.7	79.9	79.6	79.7	139.3
„ 5,	80.0	79.6	79.7	79.3	79.7	79.1	80.0	80.1	79.8	78.9	79.5	81.0	80.5	79.9	80.7	80.8	81.0	81.0	80.1	79.6	80.6	80.0	80.2	80.5	80.1	142.3
„ 6,	80.4	79.9	80.5	79.7	79.8	79.6	79.8	80.0	80.6	80.9	81.2	81.7	81.4	80.6	81.0	81.6	80.9	79.9	80.0	80.0	79.9	79.9	79.1	79.1	80.3	146.5
„ 7,	79.1	79.0	79.6	80.2	79.5	79.7	79.9	80.1	80.8	81.5	81.9	81.7	82.5	82.2	81.7	81.1	80.7	80.8	80.5	80.9	74.8	74.7	74.3	74.0	79.6	150.4
„ 8,	75.3	74.8	75.2	75.7	76.0	77.0	76.9	77.6	78.3	79.0	79.6	80.5	77.4	76.2	76.3	77.1	76.7	77.6	77.1	77.4	77.6	77.3	77.0	77.5	77.1	132.6
„ 9,	78.1	77.7	77.9	77.8	78.4	77.6	78.5	79.1	78.9	79.2	78.0	76.0	76.2	76.1	74.5	74.4	74.8	75.4	74.4	74.9	75.2	75.9	75.5	76.4	76.7	111.6
„ 10,	75.6	75.5	76.1	75.7	75.6	75.9	76.6	76.4	76.5	76.9	77.1	78.3	77.8	77.3	76.3	76.3	76.1	76.1	76.6	76.4	76.3	76.9	75.9	75.1	76.4	127.6
„ 11,	75.1	74.8	74.9	75.1	75.8	76.0	76.1	76.4	76.0	76.5	76.5	77.2	77.2	77.3	76.9	76.4	76.8	76.2	76.5	76.3	76.8	76.9	77.3	76.7	76.3	126.6
„ 12,	77.2	77.5	77.3	76.8	76.1	75.9	76.0	76.0	75.5	75.1	74.6	74.9	75.9	75.9	75.5	75.8	75.6	75.3	74.7	76.0	76.0	75.9	75.9	76.2	75.9	97.6
„ 13,	75.9	75.6	75.9	74.0	74.9	75.2	75.7	76.0	77.0	78.0	77.4	77.6	77.8	78.3	78.2	78.5	78.2	77.9	77.9	77.9	77.9	77.5	76.2	75.4	76.9	145.3
„ 14,	75.7	75.4	75.7	75.9	75.5	74.8	74.8	75.7	74.8	73.9	74.9	76.8	77.3	78.9	77.6	77.6	77.2	77.5	77.7	77.8	77.9	78.0	77.8	77.6	76.5	149.6
„ 15,	77.5	76.9	76.8	76.3	76.6	76.4	76.8	76.8	76.9	76.8	76.5	77.9	77.4	78.0	77.8	77.6	76.6	77.0	76.8	76.8	76.9	76.2	76.6	76.8	76.9	140.7
„ 16,	75.9	76.1	76.5	76.7	77.2	76.8	76.8	77.2	77.0	78.8	79.2	79.8	79.2	79.4	79.0	79.6	78.9	78.0	77.9	78.6	78.9	78.9	78.5	78.8	78.1	142.5
„ 17,	78.8	78.4	78.5	78.0	77.8	77.8	77.6	78.0	78.1	79.1	78.9	79.8	80.1	80.5	79.5	80.0	80.7	79.9	79.8	79.8	79.9	72.6	72.6	71.7	78.2	144.5
„ 18,	73.1	74.3	75.5	75.0	75.6	75.7	76.2	77.0	79.1	79.7	79.2	78.9	79.1	79.8	79.0	78.7	79.1	78.7	78.7	78.0	78.1	78.7	78.6	73.9	77.5	148.5
„ 19,	73.6	72.5	73.5	75.0	74.1	74.3	75.1	75.5	75.7	76.9	76.9	77.1	76.5	75.5	75.8	75.8	76.4	75.5	75.1	74.9	75.2	75.9	75.6	74.5	75.3	118.7
„ 20,	74.3	74.6	74.4	74.7	75.1	74.0	75.7	75.7	75.5	76.9	76.8	77.2	78.0	77.7	78.0	78.1	77.6	77.1	77.1	77.9	77.7	77.8	77.7	76.4	76.5	144.7
„ 21,	76.8	76.7	76.4	76.3	76.4	76.3	75.9	76.9	77.9	78.4	77.7	77.9	78.4	77.0	76.8	76.8	77.3	77.9	76.2	76.1	76.1	75.9	75.9	75.8	76.8	138.4
„ 22,	75.5	75.8	75.5	75.5	76.1	75.6	76.9	77.7	78.0	78.0	78.1	78.0	78.6	77.4	77.2	78.5	77.2	75.9	76.8	77.1	77.3	76.9	76.8	76.7	77.0	141.2
„ 23,	76.3	76.3	76.7	76.6	76.2	76.6	76.9	77.0	77.7	77.1	77.9	78.9	78.2	78.2	76.9	78.0	76.6	77.1	77.1	77.0	77.2	77.1	77.1	76.8	77.1	139.6
„ 24,	76.8	76.4	76.5	76.1	76.2	76.2	77.7	77.9	77.8	77.9	78.4	77.7	77.3	78.6	78.8	77.8	77.3	76.9	77.0	77.6	77.7	76.9	77.3	77.0	77.3	151.2
„ 25,	76.9	76.6	76.7	76.8	76.7	76.9	77.9	78.0	78.0	78.0	78.1	77.7	78.4	78.2	78.4	77.8	77.4	77.5	77.8	77.9	77.7	77.5	77.0	76.4	77.5	148.3
„ 26,	76.5	76.3	76.5	76.5	76.5	77.0	77.8	77.5	77.8	77.9	78.1	78.1	78.5	79.0	78.7	77.8	78.5	77.7	77.9	77.3	73.4	72.8	72.8	72.6	76.8	143.5
„ 27,	72.7	72.9	73.6	73.0	73.9	74.0	76.1	77.1	76.7	74.9	78.1	77.1	78.0	77.7	76.9	78.0	77.6	77.7	77.2	77.1	77.1	77.1	76.5	76.9	76.2	141.5
„ 28,	76.4	76.7	76.8	76.9	76.7	77.1	77.5	77.0	78.4	77.8	77.0	77.0	77.0	76.9	77.6	76.7	76.8	77.0	76.9	77.4	77.8	77.0	76.5	76.3	77.0	141.4
„ 29,	76.1	76.1	76.2	76.1	76.6	76.5	77.8	77.9	77.7	77.2	78.5	77.1	76.9	77.0	78.5	77.4	77.4	77.4	77.0	76.9	77.1	77.0	77.1	77.2	77.1	140.6
„ 30,	77.0	77.0	76.8	76.5	76.9	76.6	77.9	78.0	78.2	77.7	79.6	78.8	78.5	78.6	78.3	79.2	78.5	77.8	77.2	77.7	77.2	77.1	76.9	76.7	77.7	140.5
„ 31,	77.0	77.1	76.8	77.3	76.9	77.3	78.9	78.8	79.6	79.8	79.2	78.4	79.3	79.2	79.1	79.0	78.2	77.2	77.4	76.8	76.9	77.1	76.1	77.1	77.9	149.1
Hourly Means,	76.7	76.6	76.8	76.7	76.8	76.7	77.4	77.7	77.9	78.0	78.4	78.5	78.5	78.4	78.1	78.2	78.0	77.8	77.6	77.7	77.5	77.2	76.9	76.7	77.5	139.4

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF AUGUST, 1888.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1888.		
1 a.	89	0.885	Aug. 1,.....	80	0.936
2 „	89	.882	„ 2,.....	85	.934
3 „	90	.892	„ 3,.....	80	.931
4 „	90	.890	„ 4,.....	77	.938
5 „	91	.895	„ 5,.....	77	.952
6 „	90	.890	„ 6,.....	79	.965
7 „	89	.909	„ 7,.....	81	.952
8 „	86	.906	„ 8,.....	87	.891
9 „	83	.904	„ 9,.....	84	.869
10 „	81	.898	„ 10,.....	90	.880
11 „	78	.903	„ 11,.....	90	.878
Noon.	76	.898	„ 12,.....	90	.866
1 p.	75	.896	„ 13,.....	86	.882
2 „	75	.889	„ 14,.....	92	.890
3 „	74	.878	„ 15,.....	91	.899
4 „	77	.891	„ 16,.....	81	.902
5 „	79	.893	„ 17,.....	75	.885
6 „	82	.896	„ 18,.....	86	.902
7 „	83	.894	„ 19,.....	94	.861
8 „	85	.904	„ 20,.....	90	.883
9 „	86	.900	„ 21,.....	86	.880
10 „	87	.894	„ 22,.....	84	.879
11 „	87	.885	„ 23,.....	82	.874
Midt.	88	.882	„ 24,.....	82	.881
			„ 25,.....	87	.906
			„ 26,.....	83	.869
			„ 27,.....	80	.843
			„ 28,.....	79	.863
			„ 29,.....	77	.860
			„ 30,.....	78	.881
			„ 31,.....	79	.888
Mean, ...	84	0.894	Mean,.....	84	0.894

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.
1888.														
Aug. 1,	0.2	1.0	0.6	0.6	0.2	0.7	0.7	0.8	0.9	0.7	0.9	1.0	0.1	8.4
„ 2,	...	0.2	1.0	0.6	0.5	0.5	0.1	...	...	...	...	...	...	2.9
„ 3,	0.1	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	11.3
„ 4,	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	11.4
„ 5,	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	11.7
„ 6,	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.7
„ 7,	...	0.9	1.0	0.9	0.8	1.0	0.8	1.0	0.9	0.3	...	...	...	7.6
„ 8,	...	...	...	...	...	0.1	...	...	0.1	...	...	...	...	0.2
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	0.6	0.1	...	0.1	0.6	0.2	...	1.6
„ 14,	...	...	...	...	...	...	...	...	0.9	0.9	0.5	...	...	2.3
„ 15,	...	...	...	0.1	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.4	7.6
„ 16,	...	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	9.7
„ 17,	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.3	0.8	0.5	...	9.1
„ 18,	...	...	...	...	0.6	0.7	0.6	0.5	1.0	1.0	...	...	...	4.4
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	0.5	0.9	1.0	1.0	0.9	0.5	1.0	0.9	0.3	7.0
„ 21,	...	0.1	0.1	0.9	1.0	1.0	1.0	1.0	1.0	0.9	...	...	...	7.0
„ 22,	0.2	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11.1
„ 23,	0.2	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.6
„ 24,	0.2	0.4	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	...	...	9.5
„ 25,	...	0.3	0.6	0.5	1.0	1.0	0.3	...	...	...	...	...	...	3.7
„ 26,	...	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	...	...	9.9
„ 27,	...	0.2	0.9	0.5	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	9.2
„ 28,	...	0.9	1.0	1.0	1.0	0.4	0.9	1.0	1.0	1.0	1.0	1.0	0.3	10.5
„ 29,	...	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	11.3
„ 30,	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.1	11.3
„ 31,	0.2	1.0	1.0	0.9	1.0	0.9	1.0	0.9	1.0	0.9	0.4	...	...	9.2
Sums,.....	2.3	14.3	17.4	17.9	19.0	21.1	21.0	20.2	21.4	19.6	18.1	14.1	3.8	210.2
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF AUGUST, 1888.

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.
Aug. 1,	...	...	0·010	...	...	...	...	...	...	...	...	...	...	...	...	0·060	...	...	...	...	...	...	...	...	0·070
„ 2,	...	...	...	...	...	...	...	...	...	0·040	...	...	0·405	...	...	...	...	...	...	...	...	...	...	...	0·445
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	0·070	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·070
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·650	0·025	...	...	0·680
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	0·230	0·010	...	...	0·015	0·005	...	...	...	...	0·005	0·005	0·270
„ 9,	...	...	...	...	0·010	0·005	...	...	...	...	0·020	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·040
„ 10,	0·025	...	...	0·290	...	...	0·045	0·105	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·075	0·575	1·115
„ 11,	1·000	0·315	0·055	...	0·180	0·250	0·025	0·125	0·055	...	...	...	...	...	...	...	...	...	...	0·020	...	...	...	...	2·025
„ 12,	...	...	...	0·005	...	...	0·045	0·010	1·470	0·820	0·230	0·050	...	...	...	...	...	...	...	...	...	...	...	0·050	2·680
„ 13,	0·100	0·100	0·090	0·200	0·045	...	...	...	0·050	...	...	...	...	...	...	...	...	...	...	...	...	0·070	0·080	0·045	0·780
„ 14,	0·135	0·180	...	0·060	0·385	0·030	0·330	0·025	0·020	0·185	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	1·355
„ 15,	...	0·065	0·100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·165
„ 16,	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	0·040	...	0·080	0·080	...	0·045	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·295	0·755	1·295
„ 19,	0·600	0·290	0·050	...	0·040	...	0·505	0·005	...	0·020	0·030	...	0·055	0·025	...	...	...	...	...	...	...	0·270	0·095	0·065	2·050
„ 20,	...	...	...	0·080	...	0·140	0·020	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·245
„ 21,	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·005	0·005	0·005	...	...	...	...	0·020
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	1·860	0.950	0·415	0·635	0·750	0·505	0·970	0·320	1·595	1·065	0·285	0·050	0·690	0·035	...	0·060	0·020	0·010	0·005	0·030	0·650	0·365	0·550	1·500	13·315

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF AUGUST, 1888.

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.		
Aug. 1,	12	7	12	6	10	6	8	4	7	7	14	6	12	7	14	10	15	8	14	10	15	10	15	10	12	10	14	10	13	11	13	11	14	6	13	8	13	6	9	7	10	4	10	4	8	4	8	5	177	7.4
" 2,	9	5	10	7	10	5	10	4	10	5	6	2	...	0	5	3	8	6	8	11	5	5	24	10	25	18	30	7	...	1	...	0	...	1	...	1	...	0	...	1	32	2	...	1	...	1	...	1	97	4.0
" 3,	...	1	...	1	32	2	...	1	...	0	...	0	...	1	28	7	26	7	22	10	24	15	23	12	23	14	23	11	23	11	22	13	21	12	21	14	21	7	22	5	22	5	22	6	22	4	26	4	163	6.8
" 4,	27	2	27	2	27	5	27	4	24	6	27	9	28	11	28	11	25	14	25	12	25	11	23	10	22	11	22	10	21	10	19	12	19	13	19	15	20	7	18	5	19	6	19	5	19	6	20	9	206	8.6
" 5,	20	6	19	5	21	6	21	10	22	8	27	9	25	11	27	12	26	14	25	16	25	16	23	14	23	13	22	12	22	10	21	8	18	10	19	6	20	5	19	3	19	3	19	3	19	5	19	8	213	8.9
" 6,	19	10	19	11	18	11	21	11	22	6	23	5	25	6	26	6	26	9	25	12	25	11	25	8	20	15	19	16	18	16	19	16	19	13	19	13	19	10	20	8	20	8	19	7	19	2	19	3	233	9.7
" 7,	20	6	20	5	20	7	24	7	25	8	26	4	26	4	26	8	26	9	27	8	25	12	22	13	20	15	18	20	19	17	18	19	19	17	19	14	19	9	30	12	20	11	16	9	24	9	27	8	251	10.5
" 8,	24	2	24	5	28	3	26	4	23	3	24	7	24	4	25	4	25	3	25	8	27	8	25	19	24	21	25	21	20	11	22	13	23	7	26	12	27	7	26	4	26	3	24	6	24	7	25	8	190	7.9
" 9,	23	11	26	14	26	11	23	11	23	9	23	4	21	5	22	5	24	5	...	1	32	4	3	4	8	9	8	13	7	13	7	8	12	4	14	5	...	1	15	2	15	2	...	1	15	2	18	6	150	6.2
" 10,	...	0	30	2	30	2	2	3	2	2	8	9	9	12	9	18	7	17	7	16	8	19	8	14	7	20	7	18	8	13	10	10	9	5	9	8	12	4	17	3	20	7	21	18	18	30	20	29	279	11.6
" 11,	20	22	26	10	28	5	28	3	28	2	28	2	28	2	20	3	18	20	21	21	21	24	21	21	21	21	20	16	21	14	20	17	21	15	19	19	20	18	19	17	21	12	21	14	21	15	21	10	323	13.5
" 12,	18	11	19	10	19	11	20	14	20	19	19	23	21	17	27	11	22	13	26	14	22	16	19	22	21	20	21	21	20	21	20	21	21	24	19	25	20	25	20	19	18	21	18	20	18	23	18	19	440	18.3
" 13,	18	27	18	26	18	25	20	26	21	17	21	15	23	6	29	5	17	11	18	16	18	13	18	16	17	10	18	8	16	8	16	12	16	16	15	12	15	13	15	12	15	9	16	11	15	12	15	7	333	13.9
" 14,	14	7	8	6	9	5	12	6	7	10	6	10	6	14	10	11	15	17	16	12	6	13	8	14	12	18	13	21	11	21	7	15	6	13	7	13	7	12	7	11	7	8	7	9	7	12	8	13	291	12.1
" 15,	8	7	8	10	9	14	8	14	9	11	7	12	8	12	7	13	8	14	9	13	9	15	9	18	9	18	9	14	8	16	8	13	8	15	8	12	8	5	11	5	32	2	...	1	32	2	25	3	259	10.8
" 16,	25	5	24	8	24	11	23	13	25	16	24	14	25	14	26	18	27	18	28	13	23	14	24	21	24	22	24	26	22	23	23	15	26	18	26	22	22	15	22	14	22	17	26	21	24	18	24	22	398	16.6
" 17,	24	16	28	14	27	15	26	13	27	17	26	22	25	16	23	16	23	19	22	15	23	18	23	19	22	18	23	16	22	14	18	12	20	13	18	11	20	15	18	8	19	20	15	6	20	12	26	6	351	14.6
" 18,	29	8	27	5	26	6	28	5	29	3	12	6	7	8	7	4	15	6	19	6	18	9	17	7	15	10	16	12	16	11	16	10	16	2	16	3	16	2	16	3	9	4	9	4	9	5	10	12	151	6.3
" 19,	23	13	32	3	4	5	5	3	11	3	...	1	16	5	8	5	7	2	7	2	15	2	12	10	9	20	8	18	8	14	8	14	8	18	9	15	9	15	9	13	8	9	9	8	8	7	7	12	217	9.0
" 20,	7	15	7	11	7	6	7	8	8	8	6	4	10	2	9	5	7	10	6	5	7	5	7	3	7	7	8	11	9	8	8	12	8	14	8	14	9	10	9	6	9	6	9	4	...	0	9	2	176	7.3
" 21,	...	1	9	5	...	1	9	3	...	1	9	2	9	3	...	1	9	2	10	4	9	9	8	11	8	10	14	7	16	9	16	8	16	6	16	4	16	3	...	0	...	0	...	0	...	0	...	1	91	3.8
" 22,	16	3	...	0	25	2	25	2	19	3	...	1	...	0	19	2	24	3	26	5	25	4	25	8	24	8	18	8	16	9	20	9	20	6	19	6	19	3	...	1	...	1	...	0	...	1	...	0	85	3.5
" 23,	18	2	...	0	...	1	...	0	24	3	...	0	...	0	...	1	25	5	26	10	23	12	25	12	22	10	23	11	20	12	20	10	19	11	19	4	16	5	17	4	17	2	17	3	...	1	...	0	119	5.0
" 24,	...	0	...	0	...	0	...	1	24	2	25	4	25	2	25	5	25	4	25	6	25	10	25	10	25	9	23	10	22	9	21	12	21	10	20	7	19	2	...	1	22	2	25	2	...	1	...	0	109	4.5
" 25,	...	1	...	0	22	2	22	3	25	2	...	1	25	2	25	8	23	6	26	9	23	10	24	9	24	5	24	3	9	11	9	6	8	8	8	7	8	5	8	5	1	4	14	4	8	8	7	9	128	5.3
" 26,	7	10	7	7	7	6	7	2	7	2	7	2	...	0	30	3	28	7	27	7	27	7	23	13	23	9	22	10	22	12	21	10	20	10	24	8	24	3	...	1	9	11	8	6	6	2	6	2	150	6.2
" 27,	6	3	5	2	...	0	...	1	...	0	...	0	...	1	...	1	15	9	25	4	12	4	23	8	23	9	23	8	24	8	20	5	17	10	17	7	18	4	...	1	18	2	...	1	...	0	18	2	90	3.8
" 28,	...	1	21	3	21	3	...	1	21	2	...	0	...	1	...	1	22	6	24	9	23	10	24	11	22	12	17	8	18	10	15	8	17	7	17	6	17	3	...	1	18	2	...	0	...	1	...	0	106	4.4
" 29,	...	1	...	0	17	2	17	2	17	2	...	1	...	0	17	2	26	6	24	9	24	11	23	11	23	10	23	11	23	10	22	8	20	8	18	5	18	4	...	1	...	1	17	3	17	2	23	3	113	4.7
" 30,	24	3	25	4	25	2	26	4	25	2	...	1	...	0	26	2	26	8	24	10	24	9	25	10	25	11	24	9	19	9	19	7	17	8	17	4	17	4	17	4	14	2	...	0	...	0	...	0	113	4.7
" 31,	14	2	...	1	...	0	...	1	15	2	...	1	15	2	15	3	17	4	22	6	12	6	9	5	6	3	12	9	8	8	10	10	12	4	13	5	9	7	9	3	10	5	9	3	9	2	9	3	95	4.0
Sums,	...	208	...	183	...	180	...	184	...	181	...	177	...	168	...	204	...	282	...	300	...	332	...	373	...	406	...	395	...	370	...	344	...	324	...	305	...	229	...	180	...	191	...	180	...	194	...	207	6097	253.9
Hourly Means,	...	6.7	...	5.9	...	5.8	...	5.9	...	5.8	...	5.7	...	5.4	...	6.6	...	9.1	...	9.7	...	10.7	...	12.0	...	13.1	...	12.7	...	11.9	...	11.1	...	10.5	...	9.8	...	7.4	...	5.8	...	6.2	...	5.8	...	6.3	...	6.7	196.7	8.2

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR AUGUST, 1888.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	0.3	1.5	2.6	3.3	−2.3	− 1.7	S 36° W
2 „	0.9	1.6	1.7	2.8	0.8	1.1	S 54° W
3 „	1.1	1.4	1.8	2.7	0.7	1.3	S 62° W
4 „	0.6	1.4	1.6	3.4	1.0	2.0	S 63° W
5 „	0.5	1.5	1.3	3.5	0.8	2.0	S 68° W
6 „	0.9	1.5	1.2	3.1	0.2	1.7	S 83° W
7 „	0.5	1.7	0.9	2.9	−0.4	1.2	S 72° W
8 „	1.6	1.9	0.7	3.3	+0.8	1.4	W30° N
9 „	1.2	1.6	2.5	4.7	−1.4	3.0	S 65° W
10 „	0.8	1.7	2.1	6.2	1.3	4.5	S 74° W
11 „	0.7	2.3	1.9	6.8	1.2	4.6	S 75° W
Noon.	0.1	2.4	2.3	8.1	2.2	5.7	S 69° W
1 p.	0.0	3.4	3.5	7.8	3.4	4.4	S 52° W
2 „	0.2	3.3	4.3	6.6	4.1	3.4	S 40° W
3 „	0.0	3.4	5.5	5.2	5,5	1.8	S 18° W
4 „	0.0	3.0	5.8	4.6	5.8	1.6	S 15° W
5 „	0.4	2.5	5.6	4.3	5.3	1.7	S 18° W
6 „	0.4	2.6	4.8	4.2	4.4	1.6	S 20° W
7 „	0.2	2.0	3.9	3.0	3.7	1.1	S 17° W
8 „	0.4	1.5	2.6	2.0	2.3	0.4	S 10° W
9 „	0.3	1.5	3.0	2.5	2.7	1.1	S 22° W
10 „	0.2	1.3	2.9	2.3	2.6	1.0	S 21° W
11 „	0.1	1.3	2.9	2.7	2.8	1.4	S 27° W
Midt.	0.3	1.8	2.4	3.3	−2.1	− 1.5	S 36° W
Mean,.....	0.5	2.0	2.8	4.1	−2.3	−2.1	S 47° W

TABLE IX.

DIRECTION AND FORCE OF THE WIND AND RAINFALL AT VICTORIA PEAK, AND RAINFALL AT THE OBSERVATORY.

Date.	10 a.		4 p.		10 p.		Rain.		
	Direction	Force.	Direction	Force.	Direction	Force.	Peak.	Observatory.	Duration.
1888.							ins.	ins.	hrs.
Aug 1,.....	SE	4	SE	3	SE	4	0.41	0.100	1
„ 2,.....	SE	2	SE	2	S	2	0.46	0.405	1
„ 3,.....	WSW	3	W	4	WSW	3	0.62	...	...
„ 4,.....	WSW	3	SSW	3	SSW	4	...	...	...
„ 5,.....	WSW	4	WSW	4	SW	4	...	0.070	1
„ 6,.....	SW	4	SW	5	SW	5	...	...	...
„ 7,.....	SW	5	S	5	S	5	1.15	0.680	2
„ 8,.....	SW	3	SW	4	WNW	4	0.40	0.285	4
„ 9,.....	NW	2	NW	4	ESE	4	1.30	0.490	4
„ 10,.....	E	4	E	4	ESE	4	3.60	2.655	9
„ 11,.....	SW	5	SW	5	SW	6	2.30	2.170	6
„ 12,.....	S	5	SW	5	S	5	0.64	1.115	10
„ 13,.....	SW	4	S	4	S	4	1.74	1.490	9
„ 14,.....	S	5	ESE	5	SE	5	...	0.225	2
„ 15,.....	SE	4	E	3	ESE	4	...	0.005	...
„ 16,.....	NW	4	W	4	NW	4	0.34	...	...
„ 17,.....	W	4	WSW	3	SW	5	3.55	0.245	2
„ 18,.....	SW	5	SW	4	S	4	1.25	2.540	6
„ 19,.....	S	4	SE	4	SE	4	0.64	0.805	5
„ 20,.....	SSW	4	SSW	3	S	2	...	0.005	...
„ 21,.....	ESE	2	SE	4	S	2	...	...	...
„ 22,.....	S	2	S	4	S	4	...	...	...
„ 23,.....	S	4	S	4	S	4	...	...	...
„ 24,.....	S	4	S	4	S	4	...	...	...
„ 25,.....	SW	4	WSW	2	SW	3	...	0.020	2
„ 26,.....	SW	2	S	3	SW	3	...	...	...
„ 27,.....	WSW	3	SSW	4	SW	3	...	...	...
„ 28,.....	S	4	S	4	S	4	...	...	...
„ 29,.....	S	3	S	4	S	4	...	...	...
„ 30,.....	S	3	S	4	S	4	...	...	...
„ 31,.....	S	3	S	2	S	2	...	0.075	1
Mean,.....	S 23° W	3.6	S 13° W	3.8	S 8° W	3.8	18.40	13.380	65

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1888.	ins.	ins.	ins.	°	°	°	°	°	°	°
Aug. 1,.....	27.939	27.899	27.880	77.8	79.8	77.7	145.6	80.2	77.2	76.3
„ 2,.....	.924	.878	.869	78.0	77.7	77.2	148.0	81.1	75.7	73.8
„ 3,.....	.903	.848	.874	77.8	79.8	76.5	139.2	81.3	75.2	73.3
„ 4,.....	.892	.845	.879	78.7	78.8	77.0	143.5	82.2	76.3	73.8
„ 5,.....	.927	.884	.875	77.5	81.7	77.0	142.1	81.7	76.0	74.4
„ 6,.....	.916	.861	.828	78.8	78.7	77.8	140.7	80.2	76.2	75.3
„ 7,.....	.865	.795	.831	79.2	78.1	76.1	132.0	79.8	75.7	69.4
„ 8,.....	.828	.777	.789	76.1	73.7	74.1	128.8	77.9	73.7	70.3
„ 9,.....	.783	.738	.792	74.7	76.1	73.0	112.3	77.2	73.0	70.4
„ 10,.....	.840	.730	.781	73.2	74.7	73.1	122.7	76.5	72.8	72.6
„ 11,.....	.770	.726	.738	73.5	73.2	71.7	104.2	75.2	70.7	70.7
„ 12,.....	.801	.710	.738	73.7	72.2	71.8	112.3	74.5	71.7	71.3
„ 13,.....	.808	.813	.831	73.7	74.7	73.8	128.7	74.9	71.7	72.3
„ 14,.....	.959	.942	.969	68.8	74.4	73.1	116.7	76.2	68.8	67.7
„ 15,.....	28.025	.963	28.000	74.1	75.7	74.2	130.9	76.5	73.1	71.7
„ 16,.....	27.876	.756	27.718	74.8	77.2	76.2	135.3	78.2	74.1	73.1
„ 17,.....	.724	.704	.778	77.1	78.4	75.2	140.2	79.5	73.2	66.6
„ 18,.....	.894	.916	.976	76.0	76.9	75.2	138.4	77.6	74.7	68.3
„ 19,.....	28.036	28.048	28.088	74.2	75.8	74.2	122.2	79.2	73.2	69.8
„ 20,.....	.139	.101	.120	74.4	77.7	74.9	148.0	78.3	73.0	71.4
„ 21,.....	.144	.104	.119	76.1	77.5	73.7	147.0	78.3	73.7	70.4
„ 22,.....	.131	.074	.093	74.8	75.7	73.7	141.8	78.3	73.7	72.4
„ 23,.....	.117	.065	.079	76.1	77.2	74.8	135.4	77.6	73.7	72.8
„ 24,.....	.112	.048	.089	76.5	75.7	74.2	140.7	77.8	74.2	71.7
„ 25,.....	.071	.053	.059	75.7	76.8	75.7	143.5	77.3	73.9	72.4
„ 26,.....	.041	27.969	27.987	76.7	77.8	74.2	137.2	78.3	74.2	71.6
„ 27,.....	27.976	.942	.968	75.7	77.1	74.5	139.6	79.3	71.3	72.0
„ 28,.....	28.002	.971	.998	75.7	76.7	73.8	135.4	77.5	73.7	72.4
„ 29,.....	.021	.971	.994	75.8	76.7	75.2	120.3	77.5	73.7	70.4
„ 30,.....	.008	.964	.980	76.1	76.8	75.4	137.5	79.3	74.2	73.3
„ 31,.....	.013	.972	.964	77.1	78.8	76.8	144.5	79.9	75.2	74.3
Mean,.....	27.951	27.905	27.925	75.8	76.8	74.9	134.0	78.4	73.8	71.8

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND VICTORIA PEAK.

Date. 1888.	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,.....	79	84	86	94	88	92	0.947	0.967	0.959	0.898	0.894	0.878
„ 2,.....	83	81	85	93	91	89	.933	.912	.915	.899	.861	.825
„ 3,.....	74	74	83	87	86	95	.907	.971	.962	.826	.876	.871
„ 4,.....	72	67	79	88	86	91	.901	.904	.949	.860	.842	.840
„ 5,.....	70	68	80	93	83	96	.886	.936	.962	.880	.896	.895
„ 6,.....	77	74	81	90	89	90	.977	.989	.960	.889	.873	.855
„ 7,.....	77	79	85	90	95	93	1.000	.993	.818	.898	.916	.839
„ 8,.....	84	87	89	93	97	90	0.941	.891	.903	.835	.805	.760
„ 9,.....	88	75	74	98	88	96	.961	.774	.917	.845	.795	.782
„ 10,.....	85	85	96	97	90	96	.880	.861	.914	.795	.776	.781
„ 11,.....	91	86	92	96	98	96	.886	.866	.903	.791	.803	.752
„ 12,.....	98	91	85	95	99	97	.866	.867	.849	.789	.784	.762
„ 13,.....	82	81	83	98	99	99	.902	.917	.892	.817	.853	.823
„ 14,.....	92	89	93	98	99	97	.815	.913	.941	.694	.844	.792
„ 15,.....	93	85	91	97	95	93	.902	.899	.877	.820	.844	.782
„ 16,.....	83	73	80	97	93	93	.930	.921	.926	.839	.875	.838
„ 17,.....	72	71	77	91	93	88	.902	.923	.732	.843	.911	.774
„ 18,.....	78	82	93	93	96	95	.944	.925	.961	.837	.887	.834
„ 19,.....	92	90	93	93	88	93	.902	.863	.875	.782	.790	.786
„ 20,.....	87	85	95	95	90	89	.885	.915	.941	.808	.857	.774
„ 21,.....	79	75	92	93	89	91	.907	.842	.873	.835	.838	.761
„ 22,.....	82	74	90	98	95	98	.903	.889	.896	.843	.844	.813
„ 23,.....	76	70	88	87	88	94	.855	.860	.896	.786	.821	.814
„ 24,.....	77	72	89	91	93	95	.882	.858	.893	.830	.832	.806
„ 25,.....	77	88	92	94	91	91	.886	.917	.922	.840	.838	.804
„ 26,.....	79	74	76	91	90	98	.888	.869	.732	.832	.855	.827
„ 27,.....	80	68	88	95	89	90	.805	.851	.894	.844	.823	.775
„ 28,.....	75	66	84	92	86	94	.874	.802	.879	.820	.791	.783
„ 29,.....	75	65	81	90	82	91	.853	.822	.868	.798	.751	.798
„ 30,.....	74	69	79	91	86	92	.861	.889	.865	.822	.793	.807
„ 31,.....	78	73	83	94	87	91	.946	.902	.877	.877	.855	.838
Mean, ...	81	77	86	93	91	93	0.901	0.894	0.895	0.831	0.839	0.809

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
1888.												
Aug. 1, ...	2	cum.	SE	7	cum.	SSE	4	c-str. / cum.	SSE	8	c-str. / cum.	SSE
„ 2, ...	2	cum.	SE	3	cum.	S	7	c-str. / cum.	E / S	7	c-str. / sm-cum. / nim.	ENE / E / S
„ 3, ...	3	c-str.	...	4	c-str. / cum.	...	3	c-str. / cum.	E /	2	c-cum. / cum.	ENE / NW
„ 4, ...	0	...	...	2	cum.	W	4	cum.	W	1	c-str. / cum.	W
„ 5, ...	1	cum.	W	3	cum.	W	3	c-str. / cum.	W	1	c-str. / cum.	W
„ 6, ...	2	cum.	WSW	6	c-str. / cum.	W	4	c-str. / cum.	E / W	2	c-str. / cum.	W
„ 7, ...	0	...	...	2	cum.	W	7	c-str. / cum.	E / WSW	8	c-str. / sm-cum. / cum.	ENE / E / W
„ 8, ...	10	R-cum.	...	10	cum.	...	10	str-cum.	ENE	10	str-cum. / cum.	N / W
„ 9, ...	10	cum-nim.	...	10	R-cum.	N	10	cum.	N	10	str-cum.	NW
„ 10, ...	10	cum-nim.	...	10	nim.	E	10	str-cum.	...	10	str-cum. / cum.	E
„ 11, ...	10	nim.	SW	10	nim.	SW	10	nim.	WSW	10	cum-nim.	SW
„ 12, ...	10	cum.	SW	10	cum-nim.	SW	10	nim.	W	10	nim.	WSW
„ 13, ...	10	nim.	SW	10	nim.	SW	10	cum-nim.	SW	10	R-cum.	SSW
„ 14, ...	10	nim.	S	10	cum-nim.	SSE	10	cum-nim.	S	10	nim.	SSW
„ 15, ...	10	cum.	SE	9	cum-nim.	E	10	sm-cum. / cum-nim.	E	10	cum.	E
„ 16, ...	0	...	...	8	cum.	...	8	c-str. / cum.	ESE / NW	6	c-str. / cum.	E / NW
„ 17, ...	3	cum.	NW	2	cum.	NW	8	c-str. / c-cum. / cum.	.... / NNW / NW	4	c-str. / c-cum.	ENE / NNW
„ 18, ...	10	cum-nim.	SSW	10	cum-nim.	SSW	10	R-cum.	SSW	9	sm-cum. / R-cum.	NE / SSW
„ 19, ...	10	nim.	SSE	10	R-cum.	...	10	nim.	...	10	str-cum. / cum-nim.	SSE
„ 20, ...	10	cum-nim.	S	10	cum.	S	10	nim.	S	9	cum-nim.	S
„ 21, ...	1	cum.	SSE	6	cum.	SSE	8	c-cum. / cum.	SSE	6	c-str. / c-cum. / cum.	ENE / E / SE
„ 22, ...	9	c-str. / cum.	ENE / SSE	8	c-str. / cum.	ENE / SSE	4	c-str.	ENE	7	c-str. / cum.	E / S
„ 23, ...	7	c-str. / cum.	ENE / SW	10	cum.	SW	2	c-str. / cum.	ENE / SW	2	c-str. / cum.	E / SW
„ 24, ...	1	cum.	...	7	c-str. / cum.	ENE /	9	c-str. / cum.	ENE /	7	c-cum. / cum.	E / SW
„ 25, ...	6	c-str.	...	8	str-cum.	...	10	str-cum. / cum.	SW	3	c-str. / c-cum. / cum.	ENE / WNW / W
„ 26, ...	8	c-str. / cum.	W	10	cum.	W	7	c-str. / c-cum. / cum.	NE / NW / W	2	c-cum. / cum.	W
„ 27, ...	2	c-str. / cum.	...	3	cum.	...	10	R-cum.	...	3	c-cum. / cum.	S / N
„ 28, ...	2	cum.	...	3	c-str. / cum.	...	0	...	...	3	sm-cum. / cum.	NNE / SSW
„ 29, ...	0	...	...	3	cum.	SSW	1	cum.	SSW	2	cum.	SW
„ 30, ...	0	...	...	2	cum.	...	0	...	...	1	cum.	...
„ 31, ...	0	...	...	2	cum.	...	5	c-str. / c-cum. / cum.	.... / ENE / NNE	7	c-cum. / cum.	ESE
Mean,.....	5.1	...	...	6.7	...	...	6.9	...	...	6.1	...	...

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	
1888.													
Aug. 1,.....	6	c-str. / cum.	SE	6	c-str. / cum-nim.	E / SSE	5	c-str. / cum.	E / SE	2	cum.	SE	5.0
„ 2,.....	10	nim.	S	7	c-str. / sm-cum.	ESE	10	c-str. / sm-cum.	S	10	str.	...	7.0
„ 3,.....	2	c-str. / cum.	...	1	c-str.	...	4	c.	ENE	0	...	...	2.4
„ 4,.....	1	cum.	W	1	cum.	W	0	...	...	1	cum.	W	1.2
„ 5,.....	2	c-str. / cum.	W	1	c-str. / cum.	W	8	c. / cum.	NE / WSW	1	cum.	...	2.5
„ 6,.....	8	c. / cum.	E / SW	8	c-str. / cum.	E / W	8	c. / cum.	E / SW	0	..	...	4.8
„ 7,.....	8	c. / cum.	ENE / WSW	9	c-str. / cum-str.	W	10	c-str. / cum.	W	10	nim.	...	6.7
„ 8,.....	10	nim.	W	10	str-cum.	...	10	cum-nim.	...	10	cum-nim.	...	10.0
„ 9,.....	10	str-cum.	NNW	10	str-cum.	NNW	10	str-cum.	NNW	10	cum-nim.	...	10.0
„ 10,.....	10	str-cum. / R-cum.	ENE	10	str-cum. / cum.	E	10	R-cum.	ENE	10	nim.	SW	10.0
„ 11,.....	10	sm-cum. / R-cum.	W / SW	10	nim.	SW	10	cum-nim.	SW	10	nim.	SW	10.0
„ 12,.....	10	cum-nim.	SW	10	nim.	SW	10	str. / cum.	WSW	9	nim.	SW	9.9
„ 13,.....	10	R-cum.	SSW	10	cum-nim.	SSW	10	cum.	S	10	R-cum.	...	10.0
„ 14,.....	10	cum-nim.	S	9	c-str. / cum.	NNW / SE	8	c-str. / cum.	NNW / SE	10	cum.	SE	9.6
„ 15,.....	4	cum.	SE	1	c-cum. / cum.	ESE	0	...	...	0	...	...	5.5
„ 16,.....	2	c. / cum.	E / NW	5	c-str. / cum.	NW	0	...	...	9	cum.	NW	4.8
„ 17,.....	7	c-str. / sm-cum.	ENE / NNW	6	c-str. / cum.	ENE / NNW	10	c-str. / cum.	ENE / NNW	10	cum-nim.	SSW	6.2
„ 18,.....	8	c-str. / cum.	SSW	7	c-str. / c-cum. / cum.	NE / SSE / S	8	c-str. / c-cum.	NE / SSE	10	c-str. / cum.	SSE	9.0
„ 19,.....	10	nim.	S	10	c-str. / cum.	S	8	sm-cum. / cum.	S	10	nim.	S	9.8
„ 20,.....	7	c-cum. / cum.	SW / S	2	cum.	S	0	...	...	1	cum.	SE	6.1
„ 21,.....	5	c. / cum.	E / SSE	5	c-str. / cum.	N / SSE	8	c-str.	ENE	9	c-str.	...	6.0
„ 22,.....	5	c-str. / cum.	SW	3	c-str. / cum.	ENE / SW	3	c-str. / cum.	ENE / SW	5	c-str. / cum.	ENE / SW	5.5
„ 23,.....	2	c-cum. / cum.	WSW	5	c-str. / cum.	NE / W	0	...	...	1	c-str.	ENE	3.6
„ 24,.....	3	c-cum. / cum.	E / SW	8	c-str. / cum.	ENE /	9	c-str. / cum.	...	7	c-str. / cum.	ENE / SW	6.4
„ 25,.....	10	str.	...	10	str.	...	10	nim.	...	10	str.	...	8.4
„ 26,.....	1	c-str. / cum.	W	7	c-str. / cum.	W	9	c-str. / cum.	...	2	c-str. / str.	...	5.8
„ 27,.....	2	cum.	NNW	2	c-cum. / cum.	WNW	1	cum.	...	0	...	...	2.9
„ 28,.....	3	c. / cum.	NNW / WSW	1	c-cum. / cum.	NNE / SSW	0	...	...	0	...	...	1.5
„ 29,.....	2	cum.	...	1	c-cum. / cum.	...	0	...	...	0	...	...	1.1
„ 30,.....	1	c-cum. / cum.	ENE / WSW	1	c-str.	NE	0	...	...	0	...	...	0.6
„ 31,.....	4	c-cum. / cum.	SSE	7	c-cum. / cum.	NE / ESE	5	c-str.	NE	0	...	...	3.7
Mean,.....	5.9	...	...	5.9	...	...	5.9	...	...	5.4	...	...	6.0

SEPTEMBER, 1888.

Unusual visibility—30th.

Fog (slight)—Early mornings of 1st, 4th, 5th, 6th, 8th, 11th, 12th, 16th, 18th, 20th, and evening of 8th.

Dew—1st, 4th, 5th, 7th, 12th, 15th, 17th, 19th, 20th, 21st and 26th.

Lightning without thunder—1st, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 15th, 16th, 18th, 20th, 23rd, 24th, 27th and 28th.

Thunder without lightning—2nd, 5th, 6th, 8th, 17th and 19th.

Thunder and lightning—21st in the evening, and 23rd 4 a.

Thunderstorm—24th, 0.20–4 a. in SE, nearest at 0.25 a. (22s.).

Rainbow—22nd, 3 p. and 4 p.

Solar halo—3rd and 5th.

Lunar halo—15th, 16th, 20th, 21st and 28th.

Lunar Corona—16th.

The total distance traversed 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	928	52	17.8
NE	1747	80	21.8
E	3652	291	12.5
SE	646	90	7.2
S	231	44	5.3
SW	77	13	5.9
W	370	56	6.6
NW	94	13	7.2
Calm	42	81	0.5

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF SEPTEMBER, 1888.

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.
Sept. 1, ...	29.664	29.656	29.647	29.654	29.662	29.679	29.690	29.706	29.710	29.712	29.708	29.691	29.661	29.635	29.626	29.616	29.614	29.623	29.633	29.667	29.691	29.708	29.700	29.690	29.668
„ 2, ...	.674	.660	.657	.653	.661	.673	.697	.713	.723	.735	.727	.707	.693	.670	.655	.652	.644	.653	.664	.702	.726	.738	.747	.738	.690
„ 3, ...	.714	.708	.693	.698	.707	.730	.751	.770	.785	.798	.793	.783	.769	.748	.720	.719	.719	.735	.759	.782	.804	.822	.818	.809	.756
„ 4, ...	.797	.794	.787	.786	.786	.802	.817	.828	.841	.849	.838	.821	.791	.770	.751	.750	.739	.748	.771	.801	.807	.811	.813	.809	.796
„ 5, ...	.799	.779	.763	.766	.769	.779	.782	.800	.803	.809	.804	.784	.755	.732	.712	.700	.700	.706	.717	.746	.765	.772	.763	.750	.761
„ 6, ...	.750	.743	.732	.720	.723	.734	.762	.784	.786	.784	.780	.770	.750	.730	.709	.704	.697	.713	.727	.755	.767	.769	.766	.763	.747
„ 7, ...	.755	.754	.743	.747	.752	.763	.782	.801	.798	.796	.787	.774	.745	.727	.715	.706	.709	.708	.722	.745	.773	.777	.756	.748	.753
„ 8, ...	.750	.738	.728	.724	.724	.728	.734	.755	.761	.762	.754	.738	.711	.699	.686	.691	.690	.713	.718	.730	.746	.750	.734	.736	.729
„ 9, ...	.734	.721	.714	.713	.721	.729	.744	.768	.772	.777	.776	.767	.751	.731	.713	.703	.705	.718	.729	.752	.776	.783	.783	.781	.744
„ 10, ...	.777	.773	.773	.774	.777	.783	.795	.805	.803	.808	.806	.791	.779	.764	.756	.744	.748	.749	.749	.763	.790	.801	.803	.799	.780
„ 11, ...	.783	.773	.771	.771	.776	.784	.803	.823	.827	.829	.825	.817	.799	.782	.767	.754	.752	.756	.762	.776	.796	.811	.814	.811	.790
„ 12, ...	.800	.788	.775	.776	.784	.792	.816	.838	.838	.833	.831	.815	.792	.772	.757	.749	.748	.757	.766	.785	.807	.820	.819	.814	.795
„ 13, ...	.805	.803	.800	.801	.804	.818	.838	.850	.859	.864	.860	.845	.828	.810	.785	.779	.781	.786	.800	.829	.844	.858	.857	.855	.823
„ 14, ...	.845	.832	.826	.822	.822	.835	.851	.867	.874	.877	.871	.853	.832	.815	.793	.777	.776	.779	.782	.802	.823	.836	.847	.847	.828
„ 15, ...	.834	.818	.806	.805	.806	.819	.833	.852	.851	.860	.846	.825	.801	.780	.768	.759	.760	.767	.782	.793	.810	.821	.825	.819	.810
„ 16, ...	.816	.808	.797	.797	.800	.809	.825	.843	.852	.852	.850	.829	.806	.785	.781	.774	.784	.793	.809	.838	.864	.871	.870	.861	.821
„ 17, ...	.856	.835	.826	.821	.829	.846	.867	.892	.908	.919	.909	.893	.876	.845	.826	.824	.825	.833	.848	.870	.889	.898	.901	.893	.864
„ 18, ...	.875	.857	.845	.839	.843	.861	.879	.893	.909	.923	.909	.896	.865	.847	.831	.818	.814	.812	.819	.836	.857	.873	.871	.850	.859
„ 19, ...	.818	.814	.807	.799	.807	.823	.836	.861	.875	.878	.868	.843	.813	.784	.758	.760	.759	.764	.768	.796	.812	.833	.829	.829	.814
„ 20, ...	.810	.792	.777	.778	.778	.781	.795	.824	.827	.833	.827	.801	.777	.757	.734	.732	.736	.746	.751	.773	.791	.805	.798	.792	.784
„ 21, ...	.784	.778	.769	.768	.769	.778	.792	.811	.816	.824	.818	.794	.769	.749	.736	.739	.735	.747	.774	.801	.832	.845	.843	.848	.788
„ 22, ...	.843	.836	.829	.822	.832	.854	.873	.885	.892	.900	.888	.858	.829	.813	.804	.803	.803	.802	.815	.843	.863	.872	.860	.857	.845
„ 23, ...	.852	.848	.839	.857	.863	.869	.885	.912	.917	.915	.912	.893	.872	.859	.849	.837	.851	.852	.868	.891	.908	.910	.912	.914	.879
„ 24, ...	.897	.883	.874	.865	.884	.894	.898	.914	.925	.936	.935	.926	.904	.884	.875	.871	.881	.890	.904	.923	.941	.941	.928	.916	.904
„ 25, ...	.906	.890	.875	.869	.877	.887	.899	.901	.911	.906	.900	.884	.857	.831	.817	.813	.809	.816	.829	.852	.865	.866	.860	.846	.865
„ 26, ...	.835	.819	.805	.797	.797	.799	.802	.820	.811	.797	.787	.760	.731	.707	.691	.681	.676	.682	.682	.710	.712	.707	.696	.678	.749
„ 27, ...	.657	.637	.638	.627	.630	.618	.618	.635	.636	.637	.626	.603	.565	.545	.528	.522	.516	.521	.528	.538	.543	.524	.525	.518	.581
„ 28, ...	.492	.491	.484	.485	.486	.497	.501	.520	.542	.552	.559	.541	.513	.496	.480	.489	.488	.504	.515	.543	.544	.563	.564	.552	.517
„ 29, ...	.541	.542	.531	.534	.546	.564	.588	.603	.624	.639	.631	.627	.615	.609	.613	.617	.634	.648	.673	.702	.726	.745	.748	.749	.627
„ 30, ...	.732	.728	.728	.732	.738	.754	.772	.803	.806	.815	.821	.811	.785	.772	.778	.786	.804	.809	.829	.860	.878	.889	.886	.883	.800
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	29.773	29.763	29.755	29.753	29.758	29.769	29.784	29.803	29.809	29.814	29.808	29.791	29.768	29.748	29.734	29.729	29.730	29.738	29.750	29.773	29.792	29.801	29.798	29.792	29.772

TABLE II.

TEMPERATURE FOR THE MONTH OF SEPTEMBER, 1888.

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.
Sept. 1,	80.6	80.4	80.9	80.7	79.8	79.6	81.3	82.9	85.2	85.7	86.9	86.9	86.9	87.5	86.4	85.0	84.6	83.6	83.1	82.6	82.5	82.2	82.0	81.8	83.3	88.9	79.5
„ 2,	81.6	81.4	81.2	79.5	79.9	80.0	81.6	82.5	83.2	84.8	85.3	87.3	88.5	87.9	87.6	86.7	85.0	83.2	82.8	82.6	82.3	81.6	81.5	81.8	83.3	88.5	79.4
„ 3,	81.0	80.9	81.5	81.6	81.3	80.8	81.5	82.6	82.6	80.7	82.3	81.9	82.3	83.6	82.8	83.1	82.2	81.5	80.8	80.7	80.9	80.7	80.3	80.0	81.6	83.6	79.5
„ 4,	79.6	79.3	79.2	79.7	78.5	78.9	80.7	83.2	84.6	85.6	87.2	86.3	87.4	86.4	86.1	86.1	84.7	83.6	82.4	82.4	81.5	80.7	80.0	79.6	82.7	87.4	78.3
„ 5,	79.5	79.0	79.0	78.7	79.0	79.1	80.6	82.5	83.6	84.9	82.3	84.4	84.8	84.4	84.9	84.7	85.0	82.8	82.6	82.5	81.7	81.5	81.2	80.8	82.1	86.0	78.5
„ 6,	80.0	80.6	80.3	79.8	79.5	79.4	80.7	82.4	86.3	85.5	85.5	85.6	83.5	84.3	84.6	83.8	83.8	82.6	81.7	80.8	80.7	80.6	81.0	80.6	82.2	86.3	79.0
„ 7,	80.3	77.9	76.9	77.0	77.3	77.1	76.7	78.4	82.0	83.5	84.5	84.7	84.9	83.8	83.8	83.1	81.8	81.6	81.6	81.6	81.6	80.0	79.5	79.3	80.8	84.9	76.7
„ 8,	78.9	78.5	78.6	78.8	78.7	78.7	79.8	81.0	84.6	83.5	86.1	85.9	83.4	78.6	78.7	78.8	78.7	79.4	78.8	78.5	78.9	78.1	77.8	77.8	80.0	86.1	77.8
„ 9,	77.9	78.0	77.6	79.7	80.1	79.9	79.9	80.6	81.9	82.4	82.4	82.0	82.9	82.5	82.3	82.5	81.7	80.5	80.6	80.1	79.8	79.9	79.7	78.5	80.6	82.9	77.4
„ 10,	78.9	77.5	78.3	77.7	76.6	78.5	78.6	80.4	82.5	83.1	83.4	82.5	81.7	82.0	82.3	81.4	80.9	80.6	80.6	80.8	80.9	80.9	80.6	80.4	80.5	83.4	76.6
„ 11,	80.0	78.5	78.4	78.1	75.9	76.9	76.6	76.4	78.6	78.4	79.2	80.3	81.2	81.4	81.0	80.7	80.0	79.6	80.2	79.7	78.7	78.7	77.9	77.9	78.9	81.4	75.9
„ 12,	77.9	78.2	78.4	77.8	77.7	77.7	78.5	80.3	82.7	82.9	83.3	81.7	83.9	83.4	83.1	81.7	81.7	80.6	80.4	80.6	80.1	79.1	78.6	79.7	80.4	84.4	77.6
„ 13,	79.5	78.6	79.2	79.9	79.0	79.8	80.2	81.5	81.8	83.2	81.9	82.5	83.2	83.2	82.5	81.6	80.8	80.4	80.7	79.6	78.8	79.6	79.8	80.3	80.7	83.2	78.4
„ 14,	80.1	79.8	79.9	79.4	79.5	78.5	78.7	82.3	82.9	83.5	83.5	81.5	81.6	82.7	82.9	82.6	81.3	80.6	80.7	80.6	80.6	79.7	79.3	78.4	80.9	83.5	78.0
„ 15,	78.4	78.0	77.5	77.3	77.3	76.8	78.2	80.5	82.7	82.8	84.5	85.4	85.4	85.9	86.0	85.5	84.6	81.8	81.2	80.8	80.4	80.2	79.5	79.6	81.3	86.0	76.8
„ 16,	79.7	79.7	79.6	79.8	79.2	79.6	81.4	82.4	82.0	82.8	83.8	86.0	84.4	85.6	86.5	85.7	83.6	81.8	81.3	80.9	80.4	80.6	80.4	79.2	81.9	86.8	79.2
„ 17,	78.9	79.0	79.0	77.9	77.8	77.6	77.6	76.9	77.6	76.3	76.8	78.0	76.5	78.5	82.8	82.1	81.3	80.4	79.3	79.6	79.4	78.8	77.9	78.6	78.7	82.8	74.8
„ 18,	78.4	79.3	80.0	80.5	80.3	79.3	78.6	80.9	82.3	82.2	82.4	82.8	83.3	83.3	83.0	82.4	81.9	81.2	80.8	81.5	81.2	80.9	81.2	80.9	81.2	83.3	78.4
„ 19,	80.8	80.3	79.8	80.2	80.3	78.8	79.4	80.6	78.9	82.1	82.2	81.7	83.4	83.2	83.1	82.7	82.5	81.4	81.1	81.4	80.3	80.6	80.6	80.5	81.1	84.0	78.2
„ 20,	80.1	79.9	79.6	79.7	79.7	79.8	80.3	82.2	82.7	84.2	85.4	86.3	87.2	87.2	85.6	86.3	84.1	82.3	81.6	81.4	80.9	80.8	80.4	80.3	82.4	88.1	79.5
„ 21,	80.4	80.1	80.2	79.8	79.8	79.8	81.0	82.6	83.6	84.9	85.8	86.1	86.0	84.7	85.7	84.7	83.8	82.6	82.6	82.3	81.5	81.5	80.9	79.9	82.5	86.7	79.4
„ 22,	79.6	79.5	79.5	79.6	79.5	79.1	78.7	79.6	82.3	84.2	83.9	84.5	85.3	83.3	81.8	81.6	80.0	80.6	80.7	80.9	80.7	80.5	80.6	80.5	81.1	86.4	78.7
„ 23,	79.9	78.7	79.8	78.0	76.1	77.2	78.5	79.7	81.8	83.5	82.1	82.0	81.1	81.8	82.6	81.5	81.3	81.0	80.7	80.7	80.7	80.7	77.1	77.0	80.1	83.5	76.1
„ 24,	77.1	77.9	78.5	79.1	79.6	79.5	79.6	80.4	80.8	80.8	80.9	81.4	81.4	81.5	81.3	81.2	81.0	80.7	81.0	80.9	81.1	80.8	80.5	78.2	80.2	81.5	76.8
„ 25,	76.9	76.1	77.6	78.2	77.8	78.1	78.7	80.3	80.7	81.8	81.8	81.6	81.0	81.6	81.0	80.7	79.8	79.7	80.1	79.8	79.7	78.9	78.6	77.7	79.5	81.9	75.2
„ 26,	78.2	77.8	77.0	77.0	77.1	76.3	77.9	80.7	81.1	84.0	85.9	86.9	86.0	85.8	85.5	85.4	85.0	83.1	81.6	81.5	80.8	80.7	80.6	81.8	81.6	87.6	76.2
„ 27,	81.5	82.5	81.9	81.7	81.8	81.8	81.7	82.6	83.3	84.3	85.6	86.7	87.1	86.7	86.5	87.8	86.4	86.7	86.0	86.9	86.7	85.7	84.9	84.9	84.7	87.8	80.5
„ 28,	82.8	83.7	83.0	83.1	82.2	82.2	82.7	83.0	82.6	79.8	79.0	77.8	78.1	78.3	79.1	80.4	81.0	81.8	81.9	82.0	82.4	81.9	82.1	81.7	81.4	85.0	76.9
„ 29,	81.6	80.9	80.6	79.7	79.6	77.4	77.8	79.6	77.7	80.0	80.3	77.8	78.7	77.6	77.5	76.9	77.4	77.6	78.8	78.5	77.6	75.7	74.4	74.4	78.3	81.8	73.8
„ 30,	74.1	71.9	72.0	71.7	73.1	73.3	72.6	72.5	72.8	73.9	74.9	74.8	75.3	75.4	74.9	74.7	74.0	73.7	74.7	72.5	72.6	73.7	74.9	73.7	73.7	75.6	70.8
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	79.5	79.1	79.2	79.1	78.8	78.7	79.3	80.7	81.8	82.5	83.0	83.1	83.2	83.1	83.1	82.7	82.0	81.2	81.0	80.8	80.5	80.2	79.8	79.5	80.9	84.6	77.5

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF SEPTEMBER, 1888.

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.
Sept. 1,.....	76.9	77.1	77.2	77.6	77.8	78.0	78.8	78.9	78.8	79.1	79.9	77.9	78.2	79.3	79.6	78.9	78.2	78.3	77.8	78.0	78.2	78.7	78.6	78.4	78.3	150.4	76.0
„ 2,.....	78.8	78.3	78.3	77.3	77.6	78.3	78.8	77.9	78.0	78.1	76.6	77.0	78.4	78.0	77.9	77.8	77.6	77.5	77.8	77.9	77.9	78.2	78.2	78.1	77.9	145.4	76.9
„ 3,.....	77.9	77.3	78.1	78.3	78.1	77.1	77.9	77.9	77.9	76.4	76.5	78.0	77.6	78.0	77.7	77.8	78.1	78.2	78.0	78.3	78.2	78.2	78.3	78.1	77.8	127.5	76.7
„ 4,.....	78.1	77.7	77.5	76.3	76.0	76.3	78.1	78.7	79.0	79.0	79.0	79.4	79.1	77.8	77.6	77.9	78.2	77.7	78.0	78.9	77.8	77.4	77.2	77.0	77.9	146.6	73.5
„ 5,.....	77.0	76.5	76.9	76.8	77.1	77.1	78.0	78.8	78.0	79.6	80.1	78.6	77.7	77.4	77.2	77.6	77.3	78.3	78.6	78.8	78.2	78.0	77.6	78.0	77.5	143.3	74.7
„ 6,.....	77.6	77.4	77.1	76.9	77.0	76.4	78.0	76.9	78.1	77.7	78.9	78.9	79.1	79.1	78.8	78.5	78.1	78.1	78.0	77.5	77.8	77.9	78.2	77.8	77.9	148.6	75.5
„ 7,.....	76.9	75.5	75.3	75.5	75.6	75.8	75.2	76.8	77.7	78.6	79.1	78.3	78.1	78.1	78.0	77.7	77.7	78.0	78.0	77.9	77.9	77.6	77.1	77.1	77.2	141.2	74.0
„ 8,.....	77.2	76.8	76.8	76.8	76.8	76.8	77.8	78.7	78.8	77.9	79.4	80.1	79.2	75.9	76.8	75.6	76.1	76.0	76.9	76.6	76.5	75.9	75.6	75.3	76.7	146.5	74.0
„ 9,.....	75.3	75.3	75.1	76.3	76.3	75.5	76.0	76.9	76.9	76.2	76.1	75.3	76.0	75.9	75.6	76.0	75.9	76.2	76.1	76.0	76.2	76.7	76.3	76.0	76.0	142.6	73.9
„ 10,.....	75.4	74.8	75.4	74.7	74.3	75.2	74.9	75.6	76.5	76.3	75.6	75.6	76.5	76.0	74.7	74.6	75.2	75.9	75.9	76.0	76.4	76.0	76.0	74.8	75.5	148.6	74.1
„ 11,.....	75.6	75.5	75.2	74.5	74.2	74.3	73.9	72.8	71.7	73.1	71.1	71.0	73.0	73.8	73.0	73.4	73.5	73.8	74.0	73.1	73.7	73.8	74.6	73.9	73.6	133.2	72.7
„ 12,.....	73.9	74.8	75.3	75.2	74.8	74.0	75.6	76.0	76.8	76.2	77.1	76.0	76.1	76.6	76.1	76.2	75.9	75.6	76.0	75.8	75.7	76.0	75.6	75.5	75.7	147.5	72.4
„ 13,.....	75.0	73.7	73.3	74.5	74.1	74.8	75.2	75.5	74.6	74.0	72.5	72.8	73.8	73.8	72.9	73.8	73.4	73.6	73.9	74.1	74.0	74.9	74.9	74.8	74.1	141.2	72.1
„ 14,.....	74.4	74.8	74.8	74.8	74.5	74.6	75.1	75.4	76.0	76.9	76.9	75.8	76.7	77.0	77.0	75.9	76.0	75.7	75.1	75.0	75.0	74.8	74.8	74.3	75.5	140.7	73.3
„ 15,.....	74.2	74.4	74.3	74.4	74.3	74.3	75.2	75.7	76.7	76.7	77.4	77.1	77.2	76.9	77.0	75.8	76.1	75.9	75.9	75.8	76.0	76.0	76.0	76.3	75.8	141.0	72.1
„ 16,.....	76.4	76.5	76.5	76.7	76.4	76.7	77.8	77.8	76.9	77.2	77.9	78.3	78.0	78.4	78.1	77.7	77.1	77.1	77.9	77.7	77.4	77.1	77.1	76.5	77.3	148.2	75.1
„ 17,.....	76.1	76.2	75.8	75.5	75.6	76.0	75.8	75.2	74.9	74.6	74.9	74.8	71.1	75.1	76.7	75.9	76.0	74.1	74.9	75.1	75.0	74.7	75.1	74.8	75.2	149.3	70.9
„ 18,.....	75.3	75.0	75.0	75.7	76.0	75.9	75.8	75.9	75.8	76.1	75.5	76.1	76.1	76.3	76.2	76.8	76.5	76.7	76.9	76.9	76.5	76.8	77.3	77.5	76.2	148.3	71.2
„ 19,.....	76.9	77.0	77.2	76.6	76.7	75.6	77.0	77.9	76.8	77.8	78.1	78.0	78.7	78.4	78.5	78.6	78.0	77.0	76.9	77.0	77.6	77.7	77.6	76.7	77.4	143.7	73.9
„ 20,.....	77.1	76.8	76.9	76.5	77.2	77.1	78.0	77.9	76.9	78.2	79.0	79.9	78.8	79.4	78.9	79.1	78.2	77.8	77.8	77.6	77.6	78.1	78.8	78.2	78.0	148.1	74.1
„ 21,.....	78.1	78.4	78.3	78.2	78.1	78.0	79.0	78.3	78.1	79.4	78.4	79.2	79.5	79.8	79.8	78.6	78.1	78.4	78.4	78.8	78.8	77.9	77.7	78.0	78.6	141.3	74.2
„ 22,.....	77.9	77.7	77.7	77.4	77.5	76.9	76.1	76.8	76.8	78.0	78.5	78.7	78.9	78.5	78.8	76.9	75.9	77.3	77.7	77.8	77.5	76.9	76.4	76.5	77.5	146.6	76.3
„ 23,.....	76.1	75.9	75.5	75.6	73.6	74.6	75.2	76.8	77.8	77.2	77.1	77.8	77.0	76.4	77.1	76.8	76.9	76.9	76.7	76.5	76.3	76.7	74.9	73.8	76.2	142.5	74.5
„ 24,.....	74.3	75.5	74.7	74.8	74.8	74.5	74.2	74.9	73.9	73.8	73.9	73.0	73.2	73.0	73.6	72.9	73.0	73.9	74.8	74.2	74.3	74.3	73.1	72.8	74.0	139.3	74.2
„ 25,.....	73.1	72.9	72.2	71.6	70.8	71.1	72.2	71.8	72.9	72.0	72.2	70.9	70.9	71.5	71.3	70.4	70.4	71.1	71.2	72.0	72.8	72.4	72.8	72.7	71.8	144.5	72.3
„ 26,.....	72.6	72.5	73.3	72.3	72.8	73.7	73.1	73.0	72.1	71.7	71.3	70.9	74.9	74.4	75.6	74.8	74.2	74.3	72.8	73.7	72.9	73.6	73.8	71.0	73.1	140.8	69.4
„ 27,.....	71.7	69.7	69.7	69.5	70.9	69.9	69.9	70.0	70.9	72.5	72.9	73.3	74.1	74.6	74.1	75.1	74.2	73.3	73.6	73.6	73.5	73.5	73.1	73.1	72.4	131.2	73.2
„ 28,.....	73.0	73.2	73.1	73.1	73.1	73.1	73.0	73.7	73.8	73.6	74.0	73.5	73.5	74.0	74.7	75.2	75.2	75.9	75.9	75.9	75.9	75.7	75.9	75.4	74.3	98.9	74.0
„ 29,.....	75.4	75.4	75.4	75.3	74.9	74.8	75.0	75.0	74.9	75.1	74.9	74.4	74.9	74.4	73.8	73.4	73.8	74.8	74.6	73.9	73.4	72.9	72.3	71.7	74.4	115.9	73.2
„ 30,.....	70.8	70.0	69.4	69.0	69.6	69.7	69.8	69.7	69.4	69.6	70.1	70.1	70.1	69.9	69.6	69.6	69.5	68.9	69.1	69.2	68.9	68.9	68.8	68.7	69.5	99.0	68.9
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	75.6	75.4	75.4	75.3	75.2	75.2	75.7	75.9	75.9	76.1	76.2	76.0	76.2	76.3	76.2	76.0	75.8	75.9	76.0	76.0	75.9	75.9	75.8	75.4	75.8	139.4	73.6

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF SEPTEMBER, 1888.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1888.		
1 a.	83	0.836	Sept. 1,.....	79	0.903
2 „	83	.832	„ 2,.....	77	.884
3 „	83	.831	„ 3,.....	84	.903
4 „	83	.828	„ 4,.....	80	.892
5 „	84	.828	„ 5,.....	81	.882
6 „	84	.829	„ 6,.....	82	.899
7 „	84	.843	„ 7,.....	85	.887
8 „	79	.832	„ 8,.....	86	.875
9 „	75	.817	„ 9,.....	80	.837
10 „	73	.816	„ 10,.....	78	.816
11 „	72	.814	„ 11,.....	77	.759
Noon.	71	.804	„ 12,.....	79	.826
1 p.	71	.811	„ 13,.....	72	.755
2 „	72	.817	„ 14,.....	76	.811
3 „	71	.812	„ 15,.....	77	.819
4 „	72	.809	„ 16,.....	81	.876
5 „	74	.810	„ 17,.....	84	.828
6 „	77	.826	„ 18,.....	78	.837
7 „	78	.832	„ 19,.....	84	.892
8 „	79	.835	„ 20,.....	81	.900
9 „	80	.835	„ 21,.....	83	.927
10 „	81	.839	„ 22,.....	85	.896
11 „	82	.840	„ 23,.....	83	.852
Midt.	82	.827	„ 24,.....	73	.757
			„ 25,.....	67	.677
			„ 26,.....	65	.702
			„ 27,.....	53	.632
			„ 28,.....	71	.754
			„ 29,.....	82	.800
			„ 30,.....	80	.666
			„ 31,.....	...	...
Mean, ...	78	0.825	Mean,.....	78	0.825

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.
1888.														
Sept. 1,	...	0.8	1.0	0.9	1.0	1.0	0.4	0.1	0.9	0.2	...	...	...	6.3
„ 2,	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	...	9.8
„ 3,	...	0.7	...	0.3	0.2	...	...	...	...	...	0.1	...	...	1.3
„ 4,	0.1	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.7	1.0	0.9	1.0	0.1	10.7
„ 5,	...	1.0	0.8	1.0	1.0	0.4	0.9	1.0	1.0	1.0	1.0	1.0	...	10.1
„ 6,	...	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.8	0.9	...	10.5
„ 7,	...	...	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	9.3
„ 8,	...	0.2	0.4	0.7	1.0	1.0	1.0	0.5	...	0.4	...	...	...	5.2
„ 9,	...	...	0.4	0.9	1.0	0.9	0.6	1.0	1.0	1.0	1.0	1.0	...	8.8
„ 10,	...	...	0.6	0.8	0.9	0.8	0.9	1.0	1.0	0.4	0.3	...	...	6.7
„ 11,	...	...	...	0.1	...	...	...	...	0.3	0.3	0.8	0.3	...	1.8
„ 12,	...	0.2	0.8	0.8	0.9	0.8	0.5	0.7	0.2	1.0	0.3	...	...	6.2
„ 13,	...	1.0	0.9	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	10.8
„ 14,	...	0.9	1.0	1.0	1.0	1.0	0.3	...	0.1	0.6	0.7	...	...	6.6
„ 15,	...	0.7	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.4
„ 16,	...	0.5	0.8	0.4	0.5	0.9	1.0	0.9	1.0	1.0	1.0	0.1	...	8.1
„ 17,	...	...	...	...	...	...	...	...	0.6	1.0	1.0	1.0	...	3.6
„ 18,	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	10.2
„ 19,	...	0.4	0.1	0.4	0.1	0.2	0.7	0.9	0.6	1.0	0.6	0.2	...	5.2
„ 20,	...	0.6	1.0	1.0	1.0	1.0	0.8	1.0	0.9	0.3	1.0	0.9	...	9.5
„ 21,	...	0.9	1.0	1.0	1.0	1.0	0.5	0.3	0.2	0.9	0.1	...	...	6.9
„ 22,	...	...	...	0.7	0.9	0.7	1.0	1.0	0.2	0.6	0.2	0.2	...	5.5
„ 23,	...	...	...	0.8	0.9	0.3	...	0.2	1.0	0.8	0.2	...	...	4.2
„ 24,	...	0.2	0.5	1.0	1.0	0.8	1.0	1.0	1.0	0.7	1.0	0.5	...	8.7
„ 25,	...	0.6	0.9	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	9.6
„ 26,	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	10.9
„ 27,	...	...	0.1	0.1	...	...	...	0.2	...	...	0.5	0.2	...	1.1
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	0.1	...	0.1	...	...	...	...	...	...	...	0.2
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	0.2	12.7	16.5	20.1	21.1	19.9	18.5	18.8	18.7	20.2	18.2	12.8	0.5	198.2
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF SEPTEMBER, 1888.

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,	...	...	...	0·060	0·015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·075
„ 2,	...	...	...	0·060	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·060
„ 3,	...	...	...	...	...	...	...	0·065	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.065
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	...	...	...	...	...	...	...	0·115	0·010	...	...	...	...	...	...	...	...	...	...	...	...	0·125
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	0·485	...	0·385	0·185	0·005	0·030	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·090
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	0·245	...	...	...	...	...	...	...	...	...	...	0·245
„ 9,	...	0·005	...	...	...	...	0·015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·060	0·005	0·085
„ 10,	0·010	0·105	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·120
„ 11,	...	0·025	...	...	0·015	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·045
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	0·120	0·145	0·005	0·020	...	0·070	0·110	...	...	...	...	...	...	...	...	...	...	...	0·470
„ 18,	...	...	...	...	...	0·010	0·020	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·030
„ 19,	...	...	...	...	0·480	0·020	...	0·150	0·205	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·855
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	0·600	0·040	...	...	...	...	...	...	...	...	...	0·640
„ 23,	...	0·025	...	0·360	0·390	0·185	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·130	...	...	1·090
„ 24,	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 25,	...	0·125	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·125
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	0·015	0·010	0·030	0·075	0·085	0·060	...	...	...	...	...	...	...	...	...	...	0·275
„ 29,	...	...	...	0·060	...	0·140	...	...	0·040	...	0·025	0·205	...	0·100	0·025	0·060	...	...	...	0·005	...	0·005	0·020	0·010	0·695
„ 30,	...	...	...	...	0·075	0·060	0·060	...	0·005	...	...	...	...	...	0·005	...	0·030	...	...	0·085	...	...	...	...	0·320
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·010	0.775	0·005	0·925	1·160	0·425	0·245	0·360	0·270	0·030	0·170	0·360	0·195	1·005	0·070	0·060	0·030	...	...	0·090	...	0·135	0·080	0·015	6·415

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF SEPTEMBER, 1888.

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,	8	4	8	5	7	4	7	5	8	4	...	1	10	2	...	1	10	3	22	4	23	8	25	8	15	7	18	5	23	7	22	4	17	6	16	5	16	6	16	5	16	3	16	2	8	3	7	4	106	4.4
" 2,	7	3	7	3	...	1	17	3	15	2	...	1	25	2	25	6	26	5	27	7	24	7	16	7	16	11	16	13	15	11	15	11	15	9	13	6	12	7	11	6	11	6	...	0	12	3	12	2	132	5.5
" 3,	11	5	11	4	7	5	7	5	7	3	10	3	11	3	8	5	8	8	7	9	6	11	8	11	8	9	8	11	9	12	8	12	7	11	9	7	9	7	9	7	9	8	10	8	10	8	10	7	179	7.5
" 4,	10	6	10	4	10	4	9	6	9	2	...	0	...	1	10	3	10	4	10	8	9	5	9	8	8	9	10	9	8	10	11	9	9	3	11	3	...	1	6	2	...	0	...	1	9	2	...	0	100	4.2
" 5,	...	0	...	1	...	0	...	0	...	0	...	1	...	1	10	2	30	5	26	7	20	9	17	3	27	12	27	10	27	8	26	7	23	6	23	9	23	7	22	3	24	5	24	2	24	4	...	1	103	4.3
" 6,	...	1	...	1	...	0	...	0	...	0	...	0	...	0	21	2	14	2	11	8	10	18	9	21	9	22	9	14	9	15	9	17	9	15	8	16	8	14	8	12	9	9	8	10	9	8	9	8	213	8.9
" 7,	7	4	8	8	1	5	17	5	8	7	9	12	8	7	...	1	9	2	9	12	9	13	8	14	9	13	9	17	10	15	10	15	8	11	10	10	9	9	8	9	8	3	...	1	...	1	...	1	195	8.1
" 8,	...	0	...	0	...	0	...	0	...	0	...	0	...	0	...	0	16	5	23	7	23	9	23	10	24	12	31	14	6	5	8	2	...	1	15	3	20	2	...	1	...	1	...	1	11	4	...	0	77	3.2
" 9,	5	2	...	0	...	1	5	10	4	12	4	10	6	12	6	15	7	19	7	25	7	24	7	25	8	23	9	25	9	21	8	19	8	19	8	16	6	10	7	15	8	15	8	14	9	11	9	11	354	14.7
" 10,	7	14	3	16	5	14	5	14	8	10	5	18	5	12	7	11	7	16	8	18	9	19	8	20	9	21	9	21	9	20	9	18	8	12	8	11	8	13	9	10	7	12	8	11	6	10	8	12	353	14.7
" 11,	9	9	6	18	6	14	6	17	7	17	4	16	5	15	5	13	5	12	6	15	7	13	7	13	8	13	8	15	10	15	9	13	9	13	9	10	7	9	7	7	7	4	7	7	7	4	...	1	283	11.8
" 12,	...	0	7	2	7	3	...	1	7	2	7	2	...	1	7	2	6	2	8	6	9	13	9	14	9	10	8	10	8	13	8	12	8	13	9	10	10	7	11	11	11	6	11	4	11	5	11	9	158	6.6
" 13,	10	7	10	6	10	10	11	9	10	9	7	12	7	7	6	15	6	19	7	18	7	18	7	19	7	15	6	16	7	13	8	14	9	14	7	10	8	6	8	3	8	7	10	8	10	9	10	11	275	11.5
" 14,	11	7	11	9	12	10	12	9	11	9	11	6	10	3	9	9	9	11	8	10	9	13	9	16	8	15	13	5	10	11	9	11	11	11	10	13	11	8	11	8	11	9	11	7	12	4	13	2	216	9.0
" 15,	13	2	...	1	...	1	...	0	...	0	...	0	13	2	13	2	13	4	26	8	23	8	24	9	24	11	24	10	21	8	18	8	17	6	17	7	16	5	16	2	17	5	17	2	23	3	23	3	107	4.5
" 16,	23	3	23	4	23	3	...	1	23	3	23	2	26	2	27	5	25	5	25	7	23	9	23	9	24	9	24	10	23	10	22	11	21	10	25	8	25	2	25	2	...	0	25	4	13	7	12	5	131	5.5
" 17,	11	5	10	6	9	6	9	4	9	3	10	4	10	7	9	2	7	12	8	15	7	10	7	6	12	10	...	1	10	7	10	14	9	15	10	9	12	6	...	1	...	0	12	2	...	1	...	0	146	6.1
" 18,	...	1	8	9	7	9	7	10	5	10	7	9	6	7	5	13	7	15	7	18	7	19	7	17	8	18	8	15	10	19	9	16	7	15	7	14	8	14	8	13	11	14	11	9	11	11	11	11	306	12.8
" 19,	12	9	11	8	11	5	12	7	14	6	8	4	...	1	6	7	3	12	7	14	8	16	10	11	9	13	10	14	8	18	9	17	11	10	10	10	10	6	11	3	8	2	8	2	...	1	9	3	199	8.3
" 20,	9	2	9	3	...	1	9	2	9	2	12	4	...	1	12	2	21	4	23	6	24	7	24	6	15	6	17	9	17	7	20	6	18	5	17	6	17	5	17	5	17	2	15	2	...	0	...	0	93	3.9
" 21,	15	2	...	0	...	0	...	1	...	0	...	0	...	0	...	1	20	3	22	4	24	6	13	5	9	6	8	6	10	6	14	10	15	7	15	7	15	4	15	2	15	2	11	3	11	2	...	1	78	3.2
" 22,	11	2	...	0	11	2	8	5	9	9	8	3	18	3	16	2	10	6	9	5	8	8	10	11	9	11	12	10	11	6	5	12	8	9	6	11	7	12	5	10	5	9	6	11	5	11	5	9	177	7.4
" 23,	6	10	7	13	6	11	8	19	8	16	8	13	10	14	7	12	8	16	7	19	9	22	8	16	9	15	8	12	9	15	8	14	7	11	7	12	7	12	8	10	7	10	7	14	7	19	8	18	343	14.3
" 24,	8	15	6	14	7	14	6	16	5	17	6	17	6	20	6	23	7	24	7	27	7	27	7	31	8	28	8	28	8	23	9	25	8	23	8	24	9	25	10	24	10	24	9	23	7	20	4	19	531	22.1
" 25,	5	13	6	13	6	15	7	22	7	21	6	15	5	9	7	14	6	13	8	16	10	20	10	19	9	21	10	17	9	15	9	15	10	12	10	8	7	8	8	7	8	6	8	5	8	4	8	2	310	12.9
" 26,	...	1	...	1	...	0	8	2	...	1	10	2	10	2	32	3	27	4	30	5	2	12	3	10	22	8	22	12	23	13	25	14	26	11	26	9	26	8	26	5	26	3	26	3	23	6	23	8	143	6.0
" 27,	26	7	32	10	3	6	1	5	4	9	32	19	32	27	32	28	32	25	32	27	32	15	32	15	31	16	31	12	31	12	30	11	31	13	31	13	32	17	32	23	32	26	32	28	1	24	1	26	414	17.3
" 28,	1	21	1	22	1	23	1	25	1	25	2	27	1	31	1	35	2	30	2	25	3	23	4	27	3	28	4	34	4	41	4	39	4	38	4	33	6	39	5	46	5	48	6	50	6	45	6	45	800	33.3
" 29,	5	47	5	45	5	44	5	45	5	41	6	42	5	39	5	42	6	45	5	45	5	38	6	38	6	38	7	37	6	34	6	38	6	33	6	29	7	40	6	29	4	25	4	25	6	22	4	21	882	36.7
" 30,	4	15	32	12	32	14	1	15	3	16	3	17	4	22	3	13	2	16	2	13	1	13	1	13	32	16	32	15	32	18	1	19	32	17	1	21	1	21	1	19	32	14	32	15	1	15	32	14	383	16.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	217	...	238	...	225	...	263	...	256	...	260	...	253	...	289	...	347	...	408	...	433	...	432	...	446	...	427	...	428	...	433	...	379	...	350	...	330	...	300	...	278	...	274	...	267	...	254	7787	324.7
Hourly Means,	...	7.2	...	7.9	...	7.5	...	8.8	...	8.5	...	8.7	...	8.4	...	9.6	...	11.6	...	13.6	...	14.4	...	14.4	...	14.9	...	14.2	...	14.3	...	14.4	...	12.6	...	11.7	...	11.0	...	10.0	...	9.3	...	9.1	...	8.9	...	8.5	259.6	10.8

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR SEPTEMBER, 1888.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	2.7	4.8	0.9	0.3	+1.8	+4.5	E 22° N
2 „	3.4	5.1	0.7	0.1	2.7	4.9	E 29° N
3 „	3.4	4.8	0.6	0.1	2.8	4.7	E 31° N
4 „	3.5	5.8	0.8	0.0	2.7	5.8	E 25° N
5 „	3.3	6.2	0.6	0.1	2.7	6.1	E 24° N
6 „	3.7	6.2	0.3	0.1	3.4	6.1	E 29° N
7 „	4.7	4.7	0.5	0.2	4.1	4.6	E 42° N
8 „	4.9	5.7	0.3	0.4	4.6	5.3	E 41° N
9 „	3.9	7.9	0.6	0.6	3.3	7.3	E 24° N
10 „	3.7	9.4	0.4	1.5	3.3	7.9	E 23° N
11 „	2.8	10.3	0.7	2.0	2.2	8.3	E 15° N
Noon.	2.2	10.9	0.9	1.4	1.3	9.5	E 8° N
1 p.	2.4	10.7	1.1	1.6	1.3	9.1	E 8° N
2 „	2.6	9.8	1.8	1.3	0.7	8.5	E 5° N
3 „	2.6	10.1	1.8	1.4	0.8	8.7	E 5° N
4 „	2.7	10.2	1.7	1.5	0.9	8.8	E 6° N
5 „	2.4	8.8	1.9	0.8	0.5	8.0	E 4° N
6 „	2.5	7.9	1.7	0.8	0.7	7.0	E 6° N
7 „	1.9	7.9	1.4	0.6	0.6	7.3	E 5° N
8 „	3.1	6.6	1.4	0.3	1.7	6.3	E 15° N
9 „	3.3	5.9	1.5	0.3	1.8	5.7	E 18° N
10 „	2.8	6.2	1.0	0.3	1.8	5.9	E 17° N
11 „	2.5	6.1	1.0	0.4	1.4	5.7	E 14° N
Midt.	3.0	5.5	0.9	0.4	+2.1	+5.2	E 22° N
Mean,.....	3.1	7.4	1.0	0.7	+2.0	+6.7	E 18° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AND RAINFALL AT VICTORIA PEAK, AND RAINFALL AT THE OBSERVATORY.

Date.	10 a.		4 p.		10 p.		Rain.		
	Direction	Force.	Direction	Force.	Direction	Force.	Peak.	Observatory.	Duration.
1888.							ins.	ins.	hrs.
Sept. 1,.....	S	3	S	3	S	3	...	0.060	1
„ 2,.....	SW	2	SE	3	ESE	3	0.15	0.065	1
„ 3,.....	SE	3	ESE	3	SE	2	...	...	...
„ 4,.....	SE	2	SE	2	...	0	0.12	...	...
„ 5,.....	SW	3	SSW	3	WNW	3	...	0.125	1
„ 6,.....	NNW	3	ENE	3	E	5	0.65	1.090	4
„ 7,.....	E	4	E	3	ESE	3	...	...	...
„ 8,.....	NE	2	NW	3	NE	2	0.15	0.265	2
„ 9,.....	E	5	E	4	ESE	3	...	0.185	3
„ 10,.....	E	4	ESE	4	E	5	...	0.045	2
„ 11,.....	E	5	E	3	E	4	...	...	...
„ 12,.....	E	2	E	3	E	4	...	...	...
„ 13,.....	E	4	E	4	E	4	...	...	...
„ 14,.....	E	4	SSE	2	SE	5	...	...	...
„ 15,.....	SE	3	SE	4	SW	2	...	...	...
„ 16,.....	SSW	3	SW	4	WSW	3	...	0.290	3
„ 17,.....	SE	4	SE	4	E	3	0.26	0.210	3
„ 18,.....	E	4	E	4	E	4	...	0.855	2
„ 19,.....	E	3	E	4	E	3	...	...	...
„ 20,.....	SE	2	SE	3	S	2	...	...	...
„ 21,.....	S	2	S	3	S	1	...	...	...
„ 22,.....	SE	2	SE	2	SE	5	1.15	1.600	4
„ 23,.....	E	5	E	4	E	5	0.18	0.135	1
„ 24,.....	E	5	E	5	E	5	...	0.125	1
„ 25,.....	E	4	E	4	E	4	...	...	...
„ 26,.....	N	4	NW	4	NW	5	...	...	...
„ 27,.....	N	4	N	5	N	5	...	0.025	1
„ 28,.....	E	5	E	7	E	8	1.10	0.490	4
„ 29,.....	E	6	E	5	E	6	0.58	0.655	8
„ 30,.....	ENE	5	NE	4	NE	5	0.18	0.120	3
.....	...	...	...	...	...	...	...	...	...
Mean,.....	E 6° S	3.6	E 13° S	3.6	E 5° S	3.7	4.52	6.340	44

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1888.	ins.	ins.	ins.	°	°	°	°	°	°	°
Sept. 1,.....	28.020	27.961	27.979	76.8	79.0	76.8	147.7	80.2	75.2	74.3
„ 2,.....	.027	.981	.956	77.8	79.2	76.8	146.0	79.5	74.2	74.6
„ 3,.....	.095	28.047	28.097	75.7	76.7	75.4	136.1	77.3	74.2	71.3
„ 4,.....	.152	.086	.084	76.7	78.9	76.4	140.9	79.5	74.6	72.4
„ 5,.....	.119	.046	.058	78.0	79.8	77.2	142.2	80.3	74.9	72.3
„ 6,.....	.102	.047	.067	80.1	81.7	75.7	144.5	82.3	73.9	70.7
„ 7,.....	.087	.049	.027	77.0	78.4	76.7	140.5	79.5	74.5	73.2
„ 8,.....	.068	.018	.008	78.4	78.2	76.2	144.5	80.5	74.7	72.4
„ 9,.....	.070	.033	.031	75.8	76.8	75.8	137.4	78.2	73.3	71.7
„ 10,.....	.096	.068	.081	75.4	76.5	74.2	135.5	78.6	71.6	69.8
„ 11,.....	.095	.070	.084	71.4	75.1	72.2	136.4	76.5	70.3	70.4
„ 12,.....	.123	.086	.111	77.8	77.9	73.8	143.5	80.2	72.2	69.3
„ 13,.....	.139	.107	.137	74.4	75.7	72.8	130.9	76.6	72.1	69.4
„ 14,.....	.144	.109	.111	76.0	75.2	72.8	128.8	76.5	72.7	71.0
„ 15,.....	.149	.092	.108	75.8	75.8	74.8	139.6	77.5	71.7	70.3
„ 16,.....	.140	.089	.134	75.7	76.8	71.0	136.1	77.9	70.2	70.3
„ 17,.....	.187	.129	.042	73.0	74.4	73.7	130.1	76.8	71.0	71.4
„ 18,.....	.197	.136	.116	73.8	75.8	74.2	137.2	76.3	72.2	72.3
„ 19,.....	.167	.084	.088	74.5	76.1	74.4	138.1	77.2	74.2	73.3
„ 20,.....	.134	.074	.085	75.4	77.7	75.0	142.3	79.5	73.3	72.8
„ 21,.....	.142	.091	.115	78.8	79.0	75.7	144.8	80.5	74.2	71.4
„ 22,.....	.186	.121	.085	76.7	76.8	74.2	138.4	77.5	72.6	71.5
„ 23,.....	.194	.161	.163	74.2	75.1	73.4	130.9	75.2	72.2	69.1
„ 24,.....	.183	.171	.193	73.8	74.4	72.8	130.9	75.1	70.2	68.1
„ 25,.....	.184	.123	.145	73.0	75.1	72.7	132.9	76.5	69.9	71.0
„ 26,.....	.105	.011	27.970	74.2	76.8	74.8	144.5	78.3	68.3	68.0
„ 27,.....	27.953	27.878	.795	75.8	76.7	74.7	138.1	79.5	70.3	71.1
„ 28,.....	.852	.774	.787	72.4	72.2	71.7	119.6	76.2	69.2	68.0
„ 29,.....	.863	.946	.981	72.1	70.8	70.2	90.2	73.5	69.6	66.1
„ 30,.....	28.077	28.060	28.115	68.0	68.2	66.1	87.1	70.5	66.1	65.0
.....	...	...	...	...	...	...	...	...	...	...
Mean,.....	28.102	28.055	28.058	75.3	76.4	74.1	134.5	77.8	72.1	70.8

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND VICTORIA PEAK.

Date. 1888.	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.
Sept. 1,.....	74	76	85	91	85	91	0.906	0.906	0.935	0.842	0.844	0.838
„ 2,.....	73	65	85	88	85	86	.873	.833	.921	.834	.850	.797
„ 3,.....	81	78	89	93	91	93	.853	.883	.933	.832	.832	.823
„ 4,.....	74	68	86	92	88	91	.903	.846	.897	.844	.871	.827
„ 5,.....	78	72	85	89	83	89	.941	.852	.913	.852	.843	.834
„ 6,.....	69	78	88	83	82	92	.845	.905	.920	.856	.892	.816
„ 7,.....	79	77	89	89	89	91	.913	.878	.916	.824	.864	.832
„ 8,.....	77	86	90	89	89	93	.882	.844	.866	.864	.854	.838
„ 9,.....	74	73	86	91	85	86	.821	.811	.877	.814	.789	.774
„ 10,.....	72	72	78	90	82	88	.816	.766	.832	.791	.753	.751
„ 11,.....	77	69	78	91	80	89	.745	.726	.770	.702	.694	.703
„ 12,.....	72	77	87	87	86	88	.814	.831	.857	.826	.816	.737
„ 13,.....	63	68	79	93	81	88	.717	.730	.803	.795	.721	.715
„ 14,.....	73	72	78	92	93	96	.837	.805	.798	.828	.814	.776
„ 15,.....	75	62	81	85	85	89	.838	.762	.842	.758	.758	.771
„ 16,.....	77	68	85	91	90	88	.860	.843	.885	.812	.826	.671
„ 17,.....	92	74	82	96	92	89	.836	.812	.806	.782	.780	.746
„ 18,.....	75	77	83	94	88	89	.820	.848	.868	.783	.786	.759
„ 19,.....	82	83	87	97	94	96	.896	.924	.912	.826	.852	.820
„ 20,.....	75	71	88	93	90	95	.885	.898	.927	.815	.856	.828
„ 21,.....	77	76	85	90	85	92	.931	.897	.909	.890	.840	.820
„ 22,.....	75	80	85	92	94	92	.876	.863	.878	.844	.868	.778
„ 23,.....	74	80	83	86	93	93	.850	.860	.866	.732	.815	.768
„ 24,.....	71	66	72	90	78	81	.741	.699	.762	.756	.665	.655
„ 25,.....	60	57	72	81	75	79	.654	.606	.710	.656	.652	.638
„ 26,.....	53	59	71	84	78	70	.613	.721	.734	.705	.715	.601
„ 27,.....	54	53	54	86	76	77	.640	.701	.662	.774	.700	.661
„ 28,.....	73	77	74	89	94	92	.746	.805	.806	.712	.745	.714
„ 29,.....	78	84	87	93	94	96	.806	.777	.773	.731	.706	.714
„ 30,.....	80	77	77	90	91	97	.667	.657	.643	.616	.631	.626
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean, ...	74	72	82	90	87	89	0.817	.810	.841	.790	.788	.754

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
1888.												
Sept. 1, ...	0	...	...	5	cum.	S	5	c-str. / c-cum. / cum.	NE / NNE / S	3	c-cum. / cum.	NE / S
„ 2, ...	2	cum.	S	9	cum.	SSW	8	c-str. / c-cum. / cum.	NNE / NE / SSW	4	cum.	SW
„ 3, ...	4	cum.	S	8	cum.	S	5	c-str. / cum.	NE / S	8	c-str. / c-cum. / cum.	NE / NNE / SSE
„ 4, ...	3	cum.	E	3	cum.	E	1	c-str. / cum.	E	4	c-str. / cum.	S / E
„ 5, ...	0	...	...	2	cum.	NE	4	c-str. / cum.	SE / NE	5	c-str. / cum.	S / NE
„ 6, ...	3	cum.	NE	6	cum.	NE	6	c-str. / cum.	NE	6	c-cum. / cum.	ESE / NE
„ 7, ...	7	cum.	E	6	cum.	E	10	cum-nim.	E	3	c-cum. / cum.	ENE / ESE
„ 8, ...	0	...	...	0	...	...	5	c-cum. / str-cum.	NE	5	c-str. / cum.	ENE / N
„ 9, ...	1	cum.	...	8	cum.	NE	8	R-cum.	E	5	c-cum. / cum.	E / ENE
„ 10, ...	9	cum.	E	10	cum.	E	10	cum.	E	7	sm-cum. / cum.	ENE / E
„ 11, ...	10	R-cum.	E	9	cum.	ENE	10	R-cum.	ENE	10	str-cum.	NE
„ 12, ...	10	cum.	ENE	10	cum.	ENE	8	cum.	ENE	6	cum.	NE
„ 13, ...	3	cum.	...	1	cum.	...	6	cum.	ESE	5	sm-cum. / cum.	ENE / E
„ 14, ...	0	...	...	3	cum.	ENE	1	cum.	E	3	cum.	E
„ 15, ...	1	cum.	E	2	cum.	...	3	c-cum. / str-cum.	N /	2	cum.	SSW
„ 16, ...	9	c-str. / cum.	...	10	cum.	...	9	sm-cum. / str.	...	10	c-str. / cum.	NNE / SSE
„ 17, ...	9	c-str. / cum.	...	8	str-cum.	...	10	nim.	...	10	c-str. / nim.	...
„ 18, ...	2	cum.	E	9	cum.	ENE	4	cum.	ENE	6	cum.	E
„ 19, ...	3	cum.	E	10	cum.	E	5	cum.	ESE	8	c-cum. / cum.	ESE
„ 20, ...	1	cum.	ESE	3	cum.	E	2	c-str.	...	2	c-str. / cum.	E / W
„ 21, ...	7	c-str. / cum.	...	9	c-cum.	ENE	4	c-str.	ENE	2	c-str. / cum.	W
„ 22, ...	10	cum.	E	10	cum.	...	10	cum.	SE	7	c-str. / c-cum. / cum.	E / NNE / W
„ 23, ...	5	cum.	NE	10	nim.	NE	9	cum.	ENE	10	cum-nim.	E
„ 24, ...	10	cum.	NE	10	cum.	ENE	9	cum.	E	6	c-str. / cum.	S / E
„ 25, ...	10	cum.	ENE	10	cum.	NE	1	cum.	NE	8	cum.	NE
„ 26, ...	9	cum.	NE	0	...	...	0	...	...	0	...	...
„ 27, ...	7	c-str. / cum.	E	9	c-cum.	...	9	c-str. / c-cum. / cum.	S / .... / NNE	7	c-cum. / sm-cum.	NE
„ 28, ...	6	c-str. / sm-cum.	ENE	9	cum.	ENE	10	str-cum.	ENE	10	nim.	NE
„ 29, ...	10	cum.	ENE	10	cum-nim.	ENE	10	nim.	ENE	10	cum-nim.	ENE
„ 30, ...	10	cum-nim.	ENE	10	cum-nim.	ENE	10	nim.	ENE	10	str. / cum-nim.	ENE
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean, ...	5.4	...	...	7.0	...	...	6.4	...	...	6.1	...	...

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	
1888.													
Sept. 1,.....	7	sm-cum. / cum.	NNE / SW	7	c-str. / c-cum. / cum.	NE / NNW / SW	6	c-str.	NE	0	...	...	4.1
„ 2,.....	4	c-str. / cum.	NE / S	9	c-str. / cum.	NNE / S	9	c-str. / str.	...	1	str.	...	5.7
„ 3,.....	9	c-str. / cum-str.	NE / E	9	c-str. / cum.	NE / S	8	c-str.	NE	1	str.	...	6.5
„ 4,.....	6	c-str. / cum.	NE / ESE	3	c-str. / cum.	ENE	0	...	...	0	...	...	2.5
„ 5,.....	9	c-str. / sm-cum. / cum-str.	.... / SW / NE	4	c-str. / cum-str.	ESE /	7	c-str.	ESE	3	cum.	NE	4.3
„ 6,.....	7	sm-cum. / cum-str.	E / SSW	5	c-cum. / cum.	N / ENE	1	cum.	E	2	cum.	E	4.5
„ 7,.....	2	c-str. / cum.	ESE	2	c-str. / c-cum. / cum.	ESE	2	c-str. / cum.	ESE	1	cum.	ESE	4.1
„ 8,.....	6	c-str. / cum-str.	NE	10	str.	...	10	str-cum.	NE	0	...	...	4.5
„ 9,.....	3	c-cum. / cum.	E / ENE	1	c-cum. / cum.	NE / E	1	cum.	...	9	nim.	E	4.5
„ 10,.....	2	sm-cum. / cum.	NE / ENE	8	sm-cum.	NE	10	cum.	ENE	10	R-cum.	E	8.2
„ 11,.....	10	sm-cum.	N	7	sm-cum.	N	0	...	...	0	...	...	7.0
„ 12,.....	7	cum.	N	7	sm-cum. / cum.	N /	2	cum.	NE	4	cum.	NE	6.8
„ 13,.....	1	cum.	ENE	0	...	...	0	...	...	0	...	...	2.0
„ 14,.....	8	sm-cum. / nim.	N / ESE	7	cum.	SSE	1	cum.	E	1	cum.	E	3.0
„ 15,.....	2	c-str. / cum.	W	1	c-str. / cum.	...	2	c-str.	...	5	c-str. / cum.	SSW	2.2
„ 16,.....	7	c-str. / c-cum. / cum.	NNE / N / S	4	c-str. / cum.	NNE / SW	10	c-str. / str.	...	10	c-str.	...	8.6
„ 17,.....	10	str. / nim.	E	5	c-cum. / cum.	S / E	1	c-str.	...	1	cum.	E	6.8
„ 18,.....	1	cum.	E	1	c-str. / cum.	E	1	cum.	...	7	cum.	E	3.9
„ 19,.....	5	c-cum. / cum.	W / ESE	3	c-cum. / cum.	SW / E	1	cum.	ESE	0	...	...	4.4
„ 20,.....	6	c-str. / cum.	NE / W	3	c-str. / cum.	ENE / WNW	10	c-str. / c-cum.	ENE	5	c-str.	ENE	4.0
„ 21,.....	9	c-str. / cum. / cum.	.... / W / SE	9	c-str. / cum.	ENE / SSW	8	c-str. / cum.	...	10	cum.	E	7.2
„ 22,.....	9	c-cum. / cum.	N / SSW	10	cum. / cum.	N / ENE	3	cum.	...	8	c-str. / cum.	NE	8.4
„ 23,.....	10	c-str. / cum-nim.	ENE	7	c-str. / c-cum. / cum.	.... / N / ENE	1	cum.	...	4	c-str. / cum-str.	NE	7.0
„ 24,.....	3	c-str. / cum.	S / ENE	6	c-cum. / R-cum.	S / ENE	10	R-cum.	E	10	R-cum.	E	8.0
„ 25,.....	3	sm-cum.	NNE	7	sm-cum.	N	6	R-cum.	NNE	8	sm-cum. / cum.	NE	6.6
„ 26,.....	0	...	...	0	...	...	0	...	...	3	cum.	E	1.5
„ 27,.....	10	sm-cum.	NE	7	c-str. / c-cum. / sm-cum.	SE / E / NE	1	str.	...	3	str.	...	6.6
„ 28,.....	10	nim.	NE	10	cum-nim.	NE	10	cum-nim.	NE	10	cum-nim.	ENE	9.4
„ 29,.....	10	cum-nim.	ENE	10	nim.	ENE	10	cum-nim.	ENE	10	nim.	ENE	10.0
„ 30,.....	10	str. / cum-nim.	ENE	10	str-cum.	ENE	10	nim.	...	10	nim.	...	10.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	6.2	...	...	5.7	...	...	4.7	...	...	4.5	...	...	5.7

OCTOBER, 1888.

Unusual visibility—25th and 26th.

Dew—24th, 29th, 30th and 31st.

Lightning without thunder—7th and 8th.

Thunder without lightning—8th

Thunder and lightning—19th 6.30 p.

Thunderstorm—9th, at 5 a. in S, nearest (30s.) at 5.15 a.

Solar halo—9th.

Solar Corona—14th.

Lunar halo—14th and 15th.

The distance traversed 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	1813	117	15.5
NE	1571	111	14.2
E	5844	348	16.8
SE	227	30	7.6
S	466	61	7.6
SW	572	47	12.2
W	81	12	6.7
NW	20	4	5.0
Calm	10	14	0.7

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF OCTOBER, 1888.

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, ...	29.870	29.857	29.854	29.843	29.854	29.874	29.898	29.926	29.946	29.948	29.950	29.933	29.908	29.886	29.879	29.878	29.884	29.900	29.922	29.943	29.957	29.952	29.946	29.939	29.906
„ 2, ...	.913	.893	.899	.902	.924	.940	.950	.964	.964	.965	.957	.935	.919	.896	.880	.879	.882	.885	.894	.919	.947	.946	.936	.921	.921
„ 3, ...	.913	.900	.892	.886	.902	.906	.927	.948	.967	.965	.961	.947	.925	.905	.883	.895	.900	.918	.930	.934	.948	.967	.945	.940	.925
„ 4, ...	.921	.910	.891	.887	.901	.923	.939	.961	.990	.996	.981	.951	.934	.939	.945	.930	.928	.922	.916	.936	.944	.958	.958	.948	.938
„ 5, ...	.932	.912	.907	.900	.901	.920	.932	.936	.952	.955	.941	.919	.901	.889	.866	.864	.864	.870	.887	.907	.917	.920	.909	.911	.909
„ 6, ...	.896	.879	.870	.870	.871	.877	.899	.909	.922	.922	.916	.903	.869	.849	.835	.821	.828	.838	.842	.845	.850	.855	.860	.855	.870
„ 7, ...	.835	.813	.804	.798	.799	.807	.828	.831	.828	.826	.818	.798	.776	.749	.726	.720	.720	.720	.728	.738	.762	.768	.758	.745	.779
„ 8, ...	.745	.726	.727	.718	.727	.741	.739	.755	.763	.769	.764	.739	.716	.707	.701	.701	.710	.717	.736	.758	.771	.773	.768	.762	.739
„ 9, ...	.749	.751	.746	.746	.753	.771	.791	.816	.843	.864	.848	.829	.798	.792	.788	.800	.790	.797	.808	.837	.860	.862	.859	.860	.807
„ 10, ...	.851	.844	.844	.841	.851	.862	.887	.897	.923	.928	.928	.926	.925	.897	.889	.894	.897	.902	.922	.950	.961	.963	.962	.963	.904
„ 11, ...	.950	.938	.929	.925	.933	.954	.974	.993	30.007	30.013	.998	.973	.945	.928	.908	.902	.898	.901	.920	.939	.952	.955	.951	.948	.947
„ 12, ...	.925	.918	.906	.902	.906	.935	.940	.946	29.961	29.956	.939	.916	.888	.870	.845	.839	.837	.839	.848	.873	.896	.904	.904	.891	.899
„ 13, ...	.881	.863	.850	.843	.850	.863	.883	.905	.914	.913	.894	.861	.823	.807	.799	.795	.806	.820	.826	.857	.869	.878	.872	.858	.855
„ 14, ...	.849	.841	.836	.836	.845	.868	.891	.908	.918	.921	.915	.892	.873	.857	.842	.841	.841	.862	.874	.905	.913	.915	.911	.903	.877
„ 15, ...	.883	.874	.873	.869	.882	.904	.916	.933	.941	.955	.945	.933	.910	.894	.899	.904	.904	.915	.926	.945	.954	.956	.958	.944	.917
„ 16, ...	.930	.921	.919	.920	.936	.941	.944	.973	.965	.962	.959	.939	.902	.872	.855	.856	.858	.865	.868	.871	.865	.884	.873	.871	.906
„ 17, ...	.861	.844	.834	.829	.824	.843	.847	.852	.862	.869	.850	.820	.790	.771	.762	.752	.738	.741	.758	.786	.788	.783	.770	.762	.806
„ 18, ...	.753	.743	.723	.723	.723	.739	.751	.775	.799	.786	.774	.755	.731	.709	.694	.695	.697	.695	.704	.731	.753	.761	.764	.761	.739
„ 19, ...	.748	.744	.737	.730	.738	.743	.766	.780	.792	.786	.773	.761	.748	.728	.719	.717	.728	.737	.755	.781	.792	.797	.805	.805	.759
„ 20, ...	.799	.800	.798	.799	.812	.827	.840	.859	.869	.879	.879	.870	.855	.839	.843	.859	.869	.890	.913	.944	.959	.969	.974	.974	.872
„ 21, ...	.960	.955	.946	.943	.944	.973	.989	30.008	30.032	30.039	30.027	.996	.973	.950	.950	.956	.971	.985	30.002	30.021	30.032	30.044	30.051	30.075	.993
„ 22, ...	30.082	30.081	30.077	30.073	30.085	30.111	30.145	.168	.186	.183	.161	30.147	30.111	30.097	30.086	30.096	30.100	30.107	.124	.145	.171	.175	.180	.166	30.127
„ 23, ...	.160	.155	.140	.124	.131	.141	.159	.178	.188	.192	.176	.152	.123	.098	.097	.101	.102	.100	.108	.122	.127	.135	.140	.145	.137
„ 24, ...	.132	.123	.115	.091	.094	.109	.134	.145	.158	.162	.138	.095	.062	.039	.029	.029	.033	.029	.045	.064	.067	.063	.060	.046	.086
„ 25, ...	.040	.032	.020	.017	.020	.037	.055	.063	.073	.071	.048	.021	29.997	29.969	29.961	29.964	29.977	29.994	.013	.035	.045	.047	.049	.040	.024
„ 26, ...	.023	.004	.003	.007	.017	.039	.052	.061	.069	.064	.047	.030	30.005	.990	.986	.981	.990	30.005	.027	.041	.046	.052	.045	.030	.026
„ 27, ...	.018	.000	29.993	29 989	29.998	.017	.045	.054	.075	.072	.056	.032	.013	.997	.991	.987	.997	.006	.026	.044	.057	.059	.054	.039	.026
„ 28, ...	.023	.007	.997	.996	.995	.008	.030	.037	.042	.046	.032	.013	29.994	.975	.972	.977	.985	29.991	.004	.022	.032	.026	.027	.021	.011
„ 29, ...	.007	.003	.999	30.001	30.004	.019	.041	.052	.059	.056	.030	.002	.971	.948	.936	.939	.944	.951	29.962	29.984	29.984	29.996	29.994	29.995	29.995
„ 30, ...	29.980	29.971	.969	29.961	29.970	29.990	.007	.021	.034	.024	29.999	29.970	.933	.905	.892	.887	.894	.898	.906	.923	*.935	.938	.940	.935	.953
„ 31, ...	.931	.926	.915	.913	.915	.939	29.958	29.980	29.985	29.977	.951	.928	.893	.862	.848	.853	.859	.875	.887	.913	.925	.940	.933	.932	.918
Hourly Means, ...	29.921	29.911	29.904	29.899	29.906	29.923	29.941	29.956	29.968	29.970	29.957	29.935	29.910	29.891	29.881	29.881	29.885	29.893	29.906	29.926	29.938	29.943	29.941	29.935	29.922

* Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF OCTOBER, 1888.

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,	73.3	72.9	72.5	72.4	71.9	71.9	72.0	72.9	75.7	76.8	77.7	77.8	77.4	78.8	79.1	78.7	78.6	78.3	77.9	74.8	74.7	75.3	75.7	75.4	75.5	80.0	71.4
„ 2,	75.5	75.0	74.9	72.8	72.0	72.1	73.2	75.8	77.0	77.7	78.8	78.5	78.3	78.9	78.9	78.6	78.4	77.8	77.7	77.7	77.7	76.9	76.8	76.6	76.6	79.2	71.6
„ 3,	76.4	76.2	76.0	75.8	75.5	75.4	75.8	76.6	76.7	77.1	77.3	77.5	78.6	78.8	77.9	77.7	77.3	77.2	77.9	76.8	77.3	77.0	77.0	76.9	76.9	79.0	75.4
„ 4,	76.8	76.3	76.1	75.7	75.8	76.1	76.0	76.5	76.0	77.4	78.0	78.1	77.8	76.7	73.7	73.3	73.9	75.3	75.7	76.5	76.7	76.7	76.2	76.4	76.2	78.3	73.3
„ 5,	76.5	76.6	76.4	76.5	76.3	76.4	76.7	78.3	78.7	78.8	79.2	79.5	78.7	78.6	77.8	77.5	77.0	76.9	77.4	76.8	77.0	76.7	76.6	76.5	77.4	79.5	76.3
„ 6,	76.3	76.4	76.3	76.4	76.2	76.4	77.0	78.8	80.0	79.9	80.2	79.2	78.6	78.8	78.5	78.4	77.4	77.2	77.7	77.9	78.2	77.8	77.9	77.8	77.9	80.8	76.2
„ 7,	77.7	77.8	77.4	77.2	77.2	77.4	78.7	80.0	81.6	81.4	82.6	81.3	83.6	82.4	82.1	82.3	80.7	79.3	79.5	79.6	79.4	78.8	78.6	78.8	79.8	83.6	77.1
„ 8,	78.5	78.7	78.7	79.0	79.1	79.4	80.1	80.7	80.6	80.8	78.9	79.8	80.9	81.7	80.0	80.5	80.3	80.1	80.2	80.5	80.4	80.0	80.1	79.7	79.9	82.2	78.2
„ 9,	79.9	80.1	80.3	79.6	78.1	79.6	79.6	79.7	74.6	74.5	75.5	76.9	76.6	77.9	79.2	79.6	78.8	79.6	79.7	78.8	79.4	79.1	78.9	79.2	78.6	80.5	74.5
„ 10,	78.9	79.2	79.6	79.3	77.3	79.7	79.8	80.0	80.6	80.2	74.3	75.8	75.2	75.4	74.5	74.4	72.9	72.8	73.7	72.7	71.7	71.9	71.7	71.5	76.0	80.7	71.2
„ 11,	71.1	71.7	71.3	71.3	72.9	73.4	73.9	74.8	73.7	73.3	74.6	76.2	76.8	76.7	76.6	76.8	76.6	76.8	77.1	76.9	76.9	76.8	76.5	77.0	75.0	77.1	71.1
„ 12,	76.3	76.5	76.1	75.7	75.5	75.9	75.6	76.7	76.9	77.0	77.2	77.7	77.5	76.9	76.8	76.8	76.1	75.6	75.8	74.8	75.7	75.8	75.6	76.1	76.3	77.7	74.8
„ 13,	76.2	76.9	76.7	76.5	76.4	76.5	76.8	77.8	77.9	79.2	79.4	80.2	80.6	79.6	78.8	78.6	77.2	77.7	77.9	77.0	77.0	77.2	77.5	77.5	77.8	80.8	76.1
„ 14,	77.7	77.8	77.8	77.3	76.5	76.4	77.8	79.1	80.9	80.7	80.5	79.9	79.9	80.4	80.2	80.0	79.6	79.0	78.7	78.2	78.1	78.2	78.2	78.4	78.8	80.9	76.3
„ 15,	78.1	79.1	78.0	78.7	78.7	79.3	80.6	80.0	80.1	80.1	81.3	81.9	82.8	80.9	80.1	79.4	78.8	78.7	78.7	78.7	78.6	78.0	77.9	77.8	79.4	82.9	77.8
„ 16,	77.7	77.4	77.2	77.0	77.1	77.7	77.7	78.6	79.6	79.4	79.8	79.3	79.0	78.8	78.5	77.8	77.7	78.0	78.0	78.6	77.9	78.1	78.0	77.9	78.2	80.0	76.5
„ 17,	77.8	77.7	77.7	77.2	77.3	77.7	77.9	78.7	79.7	78.9	79.6	79.2	78.0	78.7	77.8	77.9	77.6	77.8	77.9	77.6	77.9	77.2	76.9	76.7	78.0	79.7	76.7
„ 18,	77.0	76.8	76.9	76.9	77.1	77.1	78.0	80.3	80.9	81.9	83.7	82.0	81.7	83.2	81.7	80.7	79.8	79.8	79.8	79.6	78.9	78.9	78.0	77.6	79.5	83.8	76.5
„ 19,	77.5	77.8	77.8	77.6	78.2	78.4	79.5	80.5	81.8	81.7	80.9	81.1	83.0	82.9	83.8	82.4	80.5	80.5	80.4	76.7	77.2	78.2	78.8	78.7	79.8	83.8	76.1
„ 20,	78.2	78.6	77.8	76.4	76.2	75.8	76.0	77.0	78.2	79.7	79.7	79.3	78.7	77.9	76.1	76.6	76.7	76.3	76.5	76.2	76.7	76.6	76.8	75.1	77.2	80.6	74.9
„ 21,	74.0	73.3	72.5	72.0	71.1	70.0	70.0	71.6	72.8	74.9	75.2	75.9	76.0	76.2	76.8	75.9	73.9	72.0	72.0	71.5	70.5	68.9	68.1	66.7	72.6	76.8	66.7
„ 22,	66.6	66.2	66.7	66.1	64.7	64.1	64.2	66.0	68.0	68.7	69.8	69.5	69.7	69.9	69.9	69.9	69.5	68.9	69.8	69.8	68.8	68.6	68.3	67.9	68.0	69.9	64.1
„ 23,	67.7	67.4	66.5	66.0	64.5	65.3	66.1	69.1	69.9	69.8	70.2	71.1	71.7	71.9	71.7	71.8	71.2	70.4	71.8	72.3	72.8	72.8	73.2	72.8	69.9	73.2	64.5
„ 24,	72.8	72.1	71.0	71.2	70.4	70.2	69.8	71.9	73.9	73.2	74.6	75.5	76.7	76.7	77.0	76.3	75.0	74.3	72.9	71.9	70.9	71.0	71.0	71.4	73.0	77.0	69.7
„ 25,	71.1	70.2	69.1	68.6	68.4	67.8	68.9	70.9	71.8	71.9	73.1	74.8	75.0	75.5	75.5	74.7	73.6	71.5	69.9	70.9	71.0	68.7	67.7	66.6	71.1	75.5	66.6
„ 26,	66.4	66.0	65.3	65.6	65.4	65.2	66.0	68.0	70.5	71.7	73.6	74.0	74.6	75.5	75.6	75.1	74.4	73.5	71.7	71.0	70.9	69.9	71.5	71.6	70.5	75.8	64.1
„ 27,	71.0	70.0	69.9	69.9	69.7	69.3	67.9	71.9	74.0	73.7	73.6	73.8	73.0	72.8	73.1	73.1	72.7	72.7	73.0	73.0	73.4	72.8	72.3	72.3	72.0	74.0	67.6
„ 28,	71.5	70.9	69.9	69.5	69.6	69.1	69.1	70.8	72.0	72.2	72.8	72.8	73.8	73.8	73.2	72.2	71.9	71.8	71.0	71.3	71.3	71.1	72.1	72.0	71.5	74.1	68.5
„ 29,	71.7	71.8	71.4	71.2	70.8	70.4	70.8	72.9	73.4	74.4	77.1	77.0	77.3	78.8	77.6	75.2	74.2	71.9	72.0	71.9	70.7	71.1	70.5	70.0	73.1	78.8	70.0
„ 30,	69.5	69.4	69.5	69.8	69.3	69.3	69.9	72.9	74.0	75.0	75.8	76.0	76.0	75.9	75.8	75.6	74.7	73.1	72.8	72.3	71.1	71.7	70.5	69.9	72.5	76.1	69.0
„ 31,	70.0	69.5	70.0	70.5	70.8	71.5	72.3	73.9	76.0	76.6	76.8	77.0	77.3	77.1	76.8	75.9	74.0	73.0	73.2	73.0	72.1	72.0	71.7	72.0	73.5	78.2	69.4
Hourly Means,	74.5	74.4	74.1	73.9	73.5	73.7	74.1	75.6	76.4	76.7	77.2	77.4	77.6	77.7	77.3	76.9	76.2	75.7	75.8	75.3	75.2	75.0	74.9	74.7	75.6	78.7	72.3

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF OCTOBER, 1888.

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,	67.7	67.2	66.6	66.5	66.2	65.5	65.9	66.7	68.0	67.9	69.1	68.8	68.9	69.0	69.5	68.8	70.1	70.8	69.8	70.9	70.9	69.8	69.2	69.6	68.5	146.5	67.5
„ 2,	70.4	69.7	69.6	67.5	66.6	66.4	67.8	68.7	68.7	68.8	69.1	69.0	68.7	69.7	69.1	69.5	70.4	72.8	72.9	72.9	72.8	71.9	71.6	71.1	69.8	140.2	70.3
„ 3,	71.2	71.3	70.8	70.6	70.3	70.0	70.0	70.5	70.6	70.0	70.7	70.0	71.0	71.5	71.1	71.8	72.1	72.6	72.0	72.9	72.9	72.6	72.2	72.1	71.3	142.8	71.3
„ 4,	71.7	72.3	72.1	72.1	72.4	72.3	71.9	72.2	72.2	72.6	72.9	72.6	72.9	71.7	72.4	71.7	71.9	72.6	72.8	72.8	72.9	73.5	73.2	73.3	72.5	123.6	70.4
„ 5,	73.3	73.3	73.6	73.5	73.3	73.3	73.2	73.9	74.6	73.8	74.1	73.7	73.9	73.9	73.9	73.7	73.5	73.3	73.9	73.9	73.8	73.9	73.7	73.8	73.7	142.7	72.1
„ 6,	73.9	73.8	73.9	74.1	74.1	74.2	74.8	75.8	76.1	76.0	76.1	75.4	75.4	75.5	75.4	75.4	75.1	75.8	75.8	75.9	75.9	76.0	75.9	75.9	75.3	146.2	72.6
„ 7,	75.8	76.1	75.9	75.8	75.8	75.4	75.8	75.9	75.1	75.7	76.2	77.0	75.9	75.7	74.7	75.0	75.7	74.9	74.9	75.2	75.0	75.3	75.6	75.6	75.6	145.4	74.5
„ 8,	75.2	75.4	75.1	75.7	75.6	75.9	76.8	76.2	76.9	77.0	76.3	76.9	77.3	77.9	77.1	77.0	77.0	76.9	76.9	76.7	76.9	76.9	76.9	76.8	76.6	119.8	76.2
„ 9,	76.8	76.9	76.9	76.9	76.3	76.9	77.4	77.8	72.7	73.7	74.1	75.2	75.4	76.5	77.7	77.6	77.3	76.3	76.8	77.1	77.1	77.0	76.8	76.7	76.4	115.6	72.4
„ 10,	76.6	76.4	75.9	76.3	75.1	75.7	75.6	75.9	76.9	76.5	73.9	73.8	74.6	74.1	72.5	72.0	70.5	70.3	69.2	68.7	67.8	67.0	66.8	66.8	72.9	117.1	67.4
„ 11,	66.6	66.8	66.8	68.4	68.5	69.3	69.9	70.9	71.2	71.8	71.8	71.5	71.9	71.9	71.5	71.9	72.2	71.8	71.8	71.8	72.2	72.1	71.6	71.4	70.6	112.0	66.3
„ 12,	71.4	71.9	71.2	71.5	71.8	71.6	71.3	71.1	70.9	71.4	71.0	71.5	71.6	71.4	71.7	71.6	71.2	71.1	71.1	71.1	71.8	71.8	72.1	72.6	71.5	136.4	71.3
„ 13,	72.6	72.7	72.8	72.7	72.7	72.7	73.2	73.6	72.8	73.3	73.0	73.4	74.8	74.6	74.0	74.1	73.6	73.9	73.9	73.9	74.1	74.0	74.2	74.2	73.5	135.8	73.1
„ 14,	74.2	74.3	74.0	73.4	72.4	72.3	72.4	71.3	72.1	72.0	73.7	73.6	74.2	74.6	73.0	73.2	73.0	73.0	73.4	73.7	73.2	73.0	72.7	72.8	73.1	134.4	69.3
„ 15,	73.0	72.2	72.3	72.0	71.9	72.0	72.7	76.1	75.8	75.2	74.0	74.3	74.1	75.8	75.0	75.0	75.1	74.8	74.9	74.9	74.9	74.8	74.1	74.1	74.1	135.9	71.3
„ 16,	73.0	73.1	73.3	72.8	73.1	73.3	73.0	73.4	72.8	73.0	73.7	73.1	72.9	73.6	74.0	74.1	74.2	74.5	74.8	74.9	74.7	74.6	74.5	74.2	73.7	116.8	73.2
„ 17,	74.6	74.6	74.4	74.2	74.3	74.2	74.4	74.7	74.9	74.8	75.3	75.2	75.0	75.0	74.9	75.0	75.0	74.9	75.3	75.6	75.8	75.7	75.4	75.6	75.0	120.5	74.3
„ 18,	75.4	75.2	75.6	75.5	75.5	75.4	76.5	77.4	77.8	76.6	76.5	76.0	77.7	76.9	75.9	76.0	75.9	76.2	76.0	76.1	76.0	76.1	75.6	75.4	76.1	150.4	72.6
„ 19,	75.2	75.2	75.0	75.2	75.2	75.4	75.3	76.3	76.8	76.4	76.9	76.7	77.0	78.0	77.9	76.9	76.8	76.7	76.7	75.2	74.9	73.8	73.8	73.3	75.9	136.7	73.7
„ 20,	72.7	72.4	71.1	70.1	69.2	68.2	68.4	68.9	69.3	70.5	70.6	70.7	70.5	72.4	71.6	71.7	68.2	67.9	67.8	67.9	67.4	67.3	65.5	64.5	69.4	126.7	71.3
„ 21,	63.7	63.3	62.9	62.2	61.8	61.7	62.1	62.2	62.9	64.3	62.3	62.6	62.9	63.0	62.3	61.0	60.6	60.1	60.2	60.5	59.8	58.8	57.7	57.4	61.5	132.8	64.4
„ 22,	56.6	57.0	56.4	55.6	53.5	53.3	53.9	55.0	57.1	57.4	58.0	58.4	59.2	59.7	58.6	59.0	59.0	58.9	60.0	60.9	60.0	60.0	59.2	59.0	57.7	126.7	58.4
„ 23,	59.8	58.6	58.5	58.0	55.7	56.7	57.1	60.9	58.8	57.6	60.1	60.8	61.7	62.8	62.7	60.9	61.7	62.2	63.3	65.0	65.1	64.8	64.6	64.0	60.9	127.6	57.3
„ 24,	64.7	63.4	63.0	61.4	60.6	61.0	61.4	61.9	62.8	60.9	61.8	63.0	64.2	64.9	64.9	65.1	64.6	65.0	65.6	62.5	62.0	61.0	61.5	59.4	62.8	131.5	60.2
„ 25,	60.0	58.8	59.1	58.6	58.0	58.2	57.9	59.0	59.3	58.9	60.1	61.4	61.1	61.0	60.6	60.8	60.5	60.0	59.9	59.1	59.0	57.7	58.0	57.8	59.4	134.3	59.9
„ 26,	57.4	56.9	57.8	57.7	57.3	57.4	57.2	59.0	57.8	56.4	58.1	57.1	57.2	57.9	57.0	57.5	57.4	57.0	61.2	56.7	57.4	59.9	59.2	55.7	57.7	133.8	56.6
„ 27,	56.4	55.4	55.9	54.5	54.7	55.3	56.1	57.9	58.7	58.2	59.7	59.8	62.0	62.2	64.0	63.0	62.7	61.9	63.9	64.4	64.9	64.9	64.7	65.1	60.3	129.7	55.4
„ 28,	65.2	64.4	63.9	63.1	62.5	61.0	60.8	61.7	62.3	61.6	62.7	63.6	64.1	64.3	64.4	64.0	63.7	63.7	64.4	65.3	65.5	65.9	66.0	66.1	63.8	129.6	65.2
„ 29,	66.3	66.8	66.4	66.4	66.2	66.1	66.2	67.1	65.9	64.5	65.8	67.1	67.0	67.7	67.5	67.0	67.1	66.6	67.0	67.0	67.1	67.2	66.9	66.7	66.6	135.7	62.5
„ 30,	66.2	66.1	66.3	66.2	66.6	67.0	67.3	67.8	67.9	68.0	67.9	68.4	68.5	68.9	68.9	68.4	68.0	67.4	67.8	67.9	67.0	67.8	67.2	67.0	67.5	134.6	61.6
„ 31,	67.1	67.0	67.2	67.6	67.4	67.2	68.0	68.3	68.1	68.1	68.4	68.3	68.7	68.7	68.3	68.0	68.0	67.9	67.9	68.9	68.5	68.8	68.5	68.4	68.1	142.2	62.3
Hourly Means,	69.2	69.0	68.8	68.6	68.2	68.2	68.5	69.3	69.3	69.1	69.5	69.6	70.0	70.3	70.1	69.9	69.7	69.7	70.1	70.0	69.9	69.8	69.5	69.2	69.4	132.4	67.6

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF OCTOBER, 1888.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1888.		
1 a.	75	0.657	Oct. 1,.....	68	0.604
2 „	74	.650	„ 2,.....	70	.639
3 „	75	.647	„ 3,.....	75	.692
4 „	75	.642	„ 4,.....	83	.750
5 „	75	.633	„ 5,.....	83	.783
6 „	74	.631	„ 6,.....	88	.843
7 „	74	.636	„ 7,.....	81	.831
8 „	71	.646	„ 8,.....	86	.872
9 „	69	.635	„ 9,.....	90	.881
10 „	67	.623	„ 10,.....	86	.769
11 „	66	.632	„ 11,.....	79	.691
Noon.	66	.633	„ 12,.....	78	.709
1 p.	67	.646	„ 13,.....	81	.770
2 „	67	.656	„ 14,.....	75	.738
3 „	68	.654	„ 15,.....	77	.773
4 „	69	.651	„ 16,.....	80	.772
5 „	71	.653	„ 17,.....	86	.829
6 „	73	.660	„ 18,.....	85	.856
7 „	74	.674	„ 19,.....	83	.843
8 „	76	.677	„ 20,.....	66	.615
9 „	76	.674	„ 21,.....	50	.399
10 „	76	.673	„ 22,.....	50	.342
11 „	74	.663	„ 23,.....	57	.416
Midt.	74	.654	„ 24,.....	54	.437
			„ 25,.....	46	.352
			„ 26,.....	42	.307
			„ 27,.....	47	.369
			„ 28,.....	63	.491
			„ 29,.....	70	.567
			„ 30,.....	76	.607
			„ 31,.....	74	.616
Mean, ...	72	0.650	Mean,.....	72	0.650

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.
1888.														
October 1,	...	0.9	0.8	0.9	0.9	0.4	0.3	0.3	0.4	0.4	...	...	...	5.3
„ 2,	...	0.2	0.9	1.0	1.0	1.0	...	...	0.2	0.4	0.5	0.3	...	5.5
„ 3,	...	...	...	...	0.6	0.5	0.1	...	0.4	...	...	...	...	1.6
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	0.2	0.8	0.5	0.7	0.7	0.5	...	...	...	...	...	...	3.4
„ 6,	...	...	0.3	0.1	0.4	0.4	...	...	...	...	...	...	...	1.2
„ 7,	...	0.2	1.0	1.0	0.8	0.7	0.6	0.9	1.0	0.9	0.7	0.2	...	8.0
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	0.1	...	...	...	...	...	...	...	0.1
„ 11,	...	...	...	...	...	...	0.1	...	...	...	0.1	...	...	0.2
„ 12,	...	0.2	1.0	0.9	1.0	1.0	1.0	1.0	0.6	0.5	1.0	0.8	...	9.0
„ 13,	...	...	0.7	0.6	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	8.5
„ 14,	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	10.9
„ 15,	...	...	0.2	0.2	0.1	...	...	0.2	...	...	...	...	...	0.7
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	0.1	0.1	0.1	0.2	0.2	...	0.1	...	...	...	...	0.8
„ 18,	...	0.3	1.0	1.0	1.0	0.9	0.3	0.5	1.0	0.8	0.4	...	...	7.2
„ 19,	...	...	...	0.1	0.5	...	...	0.4	1.0	1.0	1.0	0.3	...	4.3
„ 20,	...	1.0	1.0	0.7	0.1	...	0.1	...	...	...	...	...	...	2.9
„ 21,	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.6
„ 22,	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.6
„ 23,	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.5
„ 24,	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	10.4
„ 25,	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	10.8
„ 26,	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	...	10.7
„ 27,	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	10.5
„ 28,	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.5
„ 29,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	...	9.9
„ 30,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.4	...	9.3
„ 31,	...	0.6	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0	1.0	0.6	...	9.9
Sums,.....	...	11.6	19.8	19.1	19.7	18.9	16.2	16.0	17.7	17.0	15.8	11.5	...	183.3
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF OCTOBER, 1888.

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,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	...	...	...	...	0·010
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·020	...	...	...	...	0·020
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	0·340	0·305	0·015	...	...	...	...	...	...	...	0.670
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	0·010	0·200	...	...	...	...	...	...	...	...	...	...	...	...	...	0·210
„ 9,	...	...	...	0·020	0·240	...	0·010	0·160	0·700	0·295	...	0·110	0·010	0·035	...	0·015	...	...	...	...	...	...	...	...	1·595
„ 10,	0·080	...	...	0·190	0·035	...	...	...	...	...	0·550	0·240	0·380	0·025	...	...	...	...	...	...	...	...	...	...	1·500
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	0·005
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·020	...	...	...	...	0·020
„ 18,	0·015	...	...	...	...	...	...	...	...	...	...	0·080	0·030	...	...	...	...	...	...	...	...	...	...	...	0·125
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·095	0·260	...	...	...	...	0·355
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·095	...	...	0·210	0·275	0·005	0·010	0·160	0·700	0·305	0·750	0·430	0·420	0·070	0·340	0·325	0·015	...	0·095	0·310	...	...	...	...	4·515

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF OCTOBER, 1888.

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.		
October 1,	32	19	32	21	32	19	32	21	32	19	32	24	32	23	1	19	1	15	1	13	1	15	32	12	32	13	1	13	2	9	2	10	3	7	2	9	2	8	2	9	32	14	1	10	2	10	3	14	346	14.4
„ 2,	3	15	4	17	4	13	2	12	2	12	2	11	4	18	6	21	6	24	4	17	4	20	7	22	7	25	4	20	4	19	6	18	6	21	6	22	7	23	7	27	8	23	7	31	7	30	7	30	491	20.5
„ 3,	7	34	7	26	7	28	7	29	7	33	7	34	7	27	7	30	7	34	7	34	7	33	7	28	7	25	7	21	7	23	7	23	7	26	7	23	7	30	7	25	7	26	7	22	7	25	7	20	659	27.5
„ 4,	7	28	7	26	7	26	7	27	7	26	6	23	7	24	7	25	7	27	7	27	7	25	6	29	7	27	7	21	8	19	6	18	9	9	8	10	9	13	8	13	8	16	10	12	8	9	7	8	488	20.3
„ 5,	7	8	7	10	7	12	6	14	6	13	5	11	6	11	7	14	7	17	7	19	7	16	7	17	8	13	9	13	7	14	7	14	8	19	8	14	8	9	7	5	8	8	8	7	9	9	10	5	292	12.2
„ 6,	10	7	7	7	7	6	7	5	7	6	7	5	8	7	7	8	8	11	8	12	9	16	9	15	9	16	9	20	8	15	7	14	8	17	9	17	9	16	9	16	8	17	9	16	9	15	9	14	298	12.4
„ 7,	9	12	9	11	9	10	9	9	9	8	10	4	17	4	16	8	15	10	15	11	18	8	22	9	20	14	19	14	18	11	19	12	17	10	18	11	18	10	17	12	18	14	18	10	18	10	17	10	242	10.1
„ 8,	18	9	18	11	19	12	17	17	19	14	18	15	17	16	18	14	19	19	19	24	18	22	19	23	19	19	19	18	19	17	20	14	19	12	19	15	19	12	18	7	18	6	17	9	17	14	16	10	349	14.5
„ 9,	18	9	18	8	18	10	19	10	19	14	19	13	21	13	22	11	23	13	17	6	17	3	10	2	7	5	6	4	10	2	5	2	10	5	15	5	15	2	9	2	...	1	12	4	15	3	15	4	151	6.3
„ 10,	17	5	18	8	18	7	16	6	29	4	18	12	19	11	20	12	20	11	18	13	23	20	32	5	16	3	10	3	32	8	32	4	32	8	32	10	2	11	2	9	2	4	1	12	1	14	1	12	212	8.8
„ 11,	1	12	1	10	1	5	4	4	5	8	5	8	5	8	5	9	29	4	32	3	30	8	4	17	6	17	6	20	6	20	7	20	7	20	7	25	8	26	7	27	7	24	7	26	7	27	7	26	374	15.6
„ 12,	7	27	7	24	7	27	7	25	7	23	6	19	7	19	7	26	7	23	7	24	7	21	7	20	7	19	7	17	8	15	8	15	9	15	8	13	8	9	7	8	8	6	6	9	8	8	7	9	421	17.5
„ 13,	8	13	7	13	7	15	7	14	7	14	7	13	7	13	7	12	7	14	8	11	10	12	11	10	10	11	8	16	8	17	8	13	8	12	8	10	8	10	8	13	9	13	7	10	7	9	7	11	299	12.5
„ 14,	7	10	6	9	6	8	6	7	6	3	7	5	8	7	7	10	7	13	9	16	10	20	10	22	10	24	10	18	8	16	7	13	9	16	7	10	8	12	11	8	8	9	9	12	9	13	10	14	295	12.3
„ 15,	10	11	7	10	10	7	8	5	13	4	10	2	9	6	8	19	7	21	7	22	7	22	7	23	6	23	7	25	7	25	7	24	7	19	7	16	6	18	6	13	7	15	7	20	7	21	7	22	393	16.4
„ 16,	7	24	7	20	7	20	7	22	7	24	5	18	5	21	6	21	5	23	7	20	8	23	7	23	7	21	7	17	7	17	9	19	7	14	7	16	8	20	8	26	7	26	7	21	7	22	8	25	503	21.0
„ 17,	9	26	9	29	8	28	8	25	7	25	7	20	7	22	7	23	7	22	7	23	7	19	7	20	9	20	8	17	7	15	7	16	7	18	8	18	9	20	10	13	8	15	9	17	8	9	8	5	465	19.4
„ 18,	11	4	10	6	10	8	10	5	10	2	9	3	8	6	8	6	8	7	16	10	16	9	16	11	16	5	17	10	16	9	15	9	15	2	15	4	16	7	16	6	16	6	16	4	16	4	...	1	144	6.0
„ 19,	17	4	17	3	17	5	17	4	16	6	16	4	18	10	18	13	17	11	17	12	19	10	19	14	19	14	18	12	19	15	19	13	19	11	20	8	20	5	1	15	7	7	2	16	1	18	1	20	250	10.4
„ 20,	1	18	2	17	1	19	1	14	2	19	1	23	1	22	1	24	1	19	32	21	1	15	32	15	2	12	8	13	8	12	4	11	2	11	2	15	2	15	3	17	2	15	4	11	3	13	1	17	388	16.2
„ 21,	1	19	2	19	1	25	1	26	1	28	32	22	32	23	32	24	1	22	1	18	4	11	32	21	32	17	32	19	1	21	32	21	1	16	1	17	1	23	1	27	1	29	1	28	1	29	1	21	526	21.9
„ 22,	2	12	3	15	3	19	3	24	2	24	2	21	2	16	1	10	4	15	4	21	6	19	7	19	7	20	7	19	7	20	6	21	6	15	6	13	5	12	6	13	3	10	3	9	3	13	3	15	395	16.5
„ 23,	3	15	3	14	3	15	4	16	3	12	4	16	4	17	6	23	6	22	8	25	8	22	8	19	8	19	9	15	9	15	6	13	7	13	7	12	7	14	7	21	8	22	7	24	6	23	7	23	430	17.9
„ 24,	5	21	4	19	5	23	4	26	6	24	6	18	6	11	4	4	6	5	3	11	4	9	7	10	13	8	16	5	21	5	22	8	22	9	18	4	18	4	30	8	30	4	30	5	31	4	32	15	260	10.8
„ 25,	2	10	2	6	8	5	7	4	32	5	9	5	4	8	8	7	3	14	4	11	32	13	31	9	32	13	32	12	32	10	1	10	31	9	32	9	2	7	3	8	4	10	2	18	32	21	32	24	248	10.3
„ 26,	1	24	1	23	2	11	2	7	1	12	1	15	1	19	1	26	1	28	32	27	1	16	32	17	32	14	32	16	2	13	1	10	32	9	32	3	...	1	32	8	9	3	13	3	3	6	1	10	321	13.4
„ 27,	1	7	2	6	2	8	2	13	2	11	2	7	2	3	4	5	5	15	7	24	7	28	7	29	7	29	6	27	7	26	7	25	7	21	7	22	7	22	7	20	7	21	7	26	7	26	6	26	447	18.6
„ 28,	6	26	6	27	6	28	6	28	5	23	6	17	6	15	7	21	7	24	7	24	7	21	8	22	9	21	9	20	10	21	9	21	8	14	8	16	5	11	6	13	6	13	7	13	6	16	6	16	471	19.6
„ 29,	7	22	6	18	6	20	5	14	5	14	6	11	6	11	7	9	8	11	10	11	10	5	24	4	25	5	24	4	25	5	23	2	23	4	14	2	24	3	22	2	22	2	12	5	10	2	10	2	188	7.8
„ 30,	...	0	...	0	...	1	...	1	...	1	...	0	...	1	8	5	9	7	9	8	9	7	9	11	9	9	9	9	14	4	11	2	15	5	14	3	14	4	14	3	10	6	10	7	10	4	...	1	99	4.1
„ 31,	...	0	...	1	7	3	8	5	6	5	5	6	4	7	6	5	8	10	9	9	10	15	10	11	10	11	9	13	10	13	9	12	10	10	10	5	10	5	7	4	9	3	9	3	9	2	...	1	159	6.6
Sums,	...	451	...	434	...	443	...	439	...	436	...	405	...	419	...	464	...	511	...	527	...	503	...	509	...	492	...	471	...	451	...	427	...	397	...	377	...	382	...	398	...	388	...	420	...	429	...	431	10604	441.8
Hourly Means,	...	14.5	...	14.0	...	14.3	...	14.2	...	14.1	...	13.1	...	13.5	...	15.0	...	16.5	...	17.0	...	16.2	...	16.4	...	15.9	...	15.2	...	14.5	...	13.8	...	12.8	...	12.2	...	12.3	...	12.8	...	12.5	...	13.5	...	13.8	...	13.9	342.1	14.3

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR OCTOBER, 1888.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	5.2	9.3	1.1	0.2	+4.2	+9.1	E 25° N
2 „	5.1	9.3	0.9	0.3	4.2	9.0	E 25° N
3 „	4.9	9.5	1.1	0.5	3.9	9.1	E 23° N
4 „	5.3	9.2	1.2	0.2	4.1	9.0	E 25° N
5 „	5.8	8.5	0.9	0.7	4.8	7.8	E 32° N
6 „	6.1	7.1	1.2	0.6	4.9	6.5	E 37° N
7 „	5.6	7.5	1.5	0.6	4.2	6.9	E 31° N
8 „	4.5	9.3	1.4	0.9	3.1	8.4	E 20° N
9 „	4.9	10.7	1.4	1.2	3.5	9.5	E 20° N
10 „	4.0	11.3	2.3	0.7	1.7	10.6	E 9° N
11 „	3.2	11.0	2.0	1.3	1.2	9.7	E 7° N
Noon.	3.3	11.3	1.9	1.2	1.4	10.1	E 8° N
1 p.	2.6	11.4	2.0	1.2	0.6	10.1	E 3° N
2 „	3.0	10.7	1.8	1.0	1.2	9.7	E 7° N
3 „	2.5	10.3	1.9	1.1	0.6	9.2	E 4° N
4 „	2.8	9.7	1.3	1.2	1.5	8.6	E 10° N
5 „	2.2	9.2	1.3	0.9	0.9	8.3	E 6° N
6 „	2.3	8.6	1.4	0.7	0.9	7.9	E 7° N
7 „	2.6	8.9	1.2	0.6	1.4	8.2	E 10° N
8 „	3.3	9.1	1.2	0.2	2.1	8.9	E 13° N
9 „	2.6	9.4	0.8	0.3	1.8	9.1	E 11° N
10 „	3.2	9.9	1.2	0.2	2.0	9.7	E 12° N
11 „	4.2	9.3	1.0	0.1	3.2	9.2	E 19° N
Midt.	5.0	8.6	1.0	0.0	+4.0	+8.6	E 25° N
Mean,.....	3.9	9.5	1.4	0.7	+2.6	+8.9	E 16° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AND RAINFALL AT VICTORIA PEAK, AND RAINFALL AT THE OBSERVATORY.

Date.	10 a.		4 p.		10 p.		Rain.		
	Direction	Force.	Direction	Force.	Direction	Force.	Peak.	Observatory.	Duration.
1888.							ins.	ins.	hrs.
Oct. 1,.....	NE	4	ENE	4	NNE	4	...	0.010	1
„ 2,.....	NE	5	E	5	E	5	...	...	...
„ 3,.....	E	5	E	5	E	5	...	0.020	1
„ 4,.....	E	5	E	5	E	4	0.95	0.670	4
„ 5,.....	E	4	E	3	SE	3	...	...	...
„ 6,.....	SE	4	ESE	3	SE	3	...	...	...
„ 7,.....	SE	4	SE	4	SE	5	0.32	0.010	1
„ 8,.....	SSE	5	SW	4	SW	4	1.70	1.625	4
„ 9,.....	WSW	4	SSW	3	SSW	4	1.15	0.475	3
„ 10,.....	SW	4	NW	3	NW	4	1.10	1.195	4
„ 11,.....	E	4	E	5	E	5	...	...	...
„ 12,.....	E	5	E	4	E	5	...	...	...
„ 13,.....	E	4	E	3	E	3	...	...	...
„ 14,.....	E	4	E	4	E	5	...	...	...
„ 15,.....	E	4	E	5	E	4	...	...	...
„ 16,.....	E	5	E	4	E	4	...	0.005	1
„ 17,.....	E	4	E	4	E	4	...	0.035	1
„ 18,.....	SW	4	SW	4	SW	4	...	0.110	1
„ 19,.....	SW	4	SW	5	SW	4	0.30	0.355	1
„ 20,.....	NNE	5	NE	4	NE	4	...	...	...
„ 21,.....	NNE	5	NE	5	N	4	...	...	...
„ 22,.....	E	5	ENE	4	ENE	4	...	...	...
„ 23,.....	ENE	5	E	4	ENE	4	...	...	...
„ 24,.....	ENE	4	ENE	3	ENE	4	...	...	...
„ 25,.....	NNE	5	NNE	4	NNE	5	...	...	...
„ 26,.....	NE	5	NE	4	NE	5	...	...	...
„ 27,.....	E	5	E	5	E	5	...	...	...
„ 28,.....	E	4	E	5	E	4	...	...	...
„ 29,.....	E	3	SE	2	E	3	...	0.005	...
„ 30,.....	ENE	2	ESE	2	E	1	...	...	...
„ 31,.....	E	3	E	1	E	1	...	0.005	...
Mean,.....	E 4° N	4.3	E	3.9	E 5° N	4.0	5.52	4.520	22

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1888.	ins.	ins.	ins.	°	°	°	°	°	°	°
October 1,.....	28.187	28.192	28.170	68.2	70.4	69.1	132.0	72.5	65.2	63.4
„ 2,.....	.219	.151	.137	69.7	70.8	68.1	136.4	72.8	64.7	63.1
„ 3,.....	.201	.167	.170	69.2	69.9	67.8	140.2	70.3	66.2	65.4
„ 4,.....	.243	.201	.189	68.4	68.2	67.2	112.3	71.5	67.2	66.3
„ 5,.....	.218	.168	.164	70.8	70.9	70.0	140.3	73.8	67.2	67.3
„ 6,.....	.196	.137	.157	71.8	71.8	71.0	122.5	73.6	69.8	69.4
„ 7,.....	.138	.054	.046	72.3	73.2	72.7	125.5	74.3	71.0	71.3
„ 8,.....	.063	.012	.064	73.4	73.7	73.2	97.6	74.6	72.2	69.7
„ 9,.....	.135	.108	.131	71.7	73.5	73.8	101.6	74.3	71.6	68.3
„ 10,.....	.158	.176	.200	72.7	71.0	68.2	109.3	74.2	67.2	65.4
„ 11,.....	.245	.184	.182	68.1	68.8	67.7	108.6	72.9	67.0	66.4
„ 12,.....	.211	.140	.144	69.4	69.8	68.8	125.6	71.8	67.7	66.0
„ 13,.....	.185	.133	.148	70.9	73.4	73.1	131.9	75.9	68.8	65.3
„ 14,.....	.209	.159	.169	73.9	73.8	71.5	129.8	75.5	70.2	69.3
„ 15,.....	.221	.179	.200	71.7	72.8	71.4	128.8	75.1	71.3	71.3
„ 16,.....	.227	.143	.170	71.4	70.7	69.8	106.8	71.6	69.8	68.4
„ 17,.....	.148	.064	.079	70.8	71.8	70.8	118.9	73.3	69.8	68.1
„ 18,.....	.099	.031	.050	72.7	73.7	72.2	134.0	73.8	69.4	70.3
„ 19,.....	.080	.041	.066	73.1	73.7	71.2	121.6	74.3	69.2	68.4
„ 20,.....	.149	.123	.151	70.1	70.4	67.9	131.9	72.9	65.2	62.6
„ 21,.....	.169	.213	.254	67.8	68.8	64.7	124.7	73.8	61.3	60.7
„ 22,.....	.379	.321	.362	62.8	63.7	60.8	120.0	66.2	60.0	54.4
„ 23,.....	.401	.366	.388	62.7	64.8	61.8	121.4	68.2	59.2	55.3
„ 24,.....	.402	.309	.349	66.0	70.0	61.7	124.4	71.2	61.0	57.3
„ 25,.....	.314	.239	.274	64.7	68.2	61.2	123.3	69.5	61.2	53.3
„ 26,.....	.330	.268	.231	63.5	67.7	64.8	122.4	68.2	58.3	57.6
„ 27,.....	.299	.251	.212	66.0	65.7	63.5	126.0	67.6	59.2	58.3
„ 28,.....	.275	.240	.237	64.7	66.4	63.4	122.4	67.9	60.2	59.4
„ 29,.....	.302	.224	.253	67.4	69.7	65.2	128.8	70.2	63.0	58.1
„ 30,.....	.281	.183	.207	68.7	70.1	66.4	133.2	71.3	64.8	57.4
„ 31,.....	.219	.151	.182	66.7	70.4	65.7	133.0	71.5	64.8	58.1
Mean,.....	28.223	28.172	28.185	69.1	70.3	67.9	123.7	72.1	65.9	63.7

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND VICTORIA PEAK.

Date. 1888.	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.
October 1,.....	61	58	75	79	81	79	0.565	0.572	0.656	0.545	0.603	0.561
„ 2,.....	61	61	77	79	76	83	.586	.600	.716	.577	.577	.573
„ 3,.....	69	74	80	88	84	88	.640	.702	.743	.629	.613	.601
„ 4,.....	79	92	85	97	97	96	.738	.757	.784	.678	.670	.643
„ 5,.....	78	83	87	94	98	97	.768	.781	.801	.710	.743	.716
„ 6,.....	83	86	92	98	98	93	.846	.841	.875	.769	.769	.707
„ 7,.....	76	70	84	96	92	95	.813	.771	.831	.763	.755	.762
„ 8,.....	84	85	87	100	99	97	.878	.882	.885	.820	.825	.791
„ 9,.....	96	91	91	96	100	98	.822	.921	.901	.752	.827	.815
„ 10,.....	84	88	76	100	98	91	.864	.754	.597	.801	.745	.631
„ 11,.....	93	77	78	97	96	96	.761	.718	.726	.667	.676	.655
„ 12,.....	75	76	82	96	95	93	.695	.706	.727	.691	.693	.658
„ 13,.....	74	80	85	98	96	92	.742	.783	.798	.746	.789	.753
„ 14,.....	63	71	77	84	85	89	.669	.727	.743	.705	.710	.686
„ 15,.....	78	80	85	99	94	92	.809	.810	.821	.771	.757	.710
„ 16,.....	72	83	84	93	94	97	.727	.794	.811	.710	.708	.708
„ 17,.....	82	87	93	97	99	96	.809	.830	.870	.736	.773	.725
„ 18,.....	78	79	88	98	97	98	.845	.835	.864	.789	.805	.776
„ 19,.....	77	77	80	96	98	92	.839	.852	.776	.784	.817	.705
„ 20,.....	61	77	59	84	92	88	.624	.713	.545	.617	.685	.603
„ 21,.....	54	38	51	95	87	88	.462	.339	.363	.646	.612	.540
„ 22,.....	46	48	58	66	65	73	.324	.356	.405	.380	.384	.388
„ 23,.....	44	50	63	64	74	84	.314	.390	.508	.364	.453	.463
„ 24,.....	45	52	53	70	67	68	.372	.471	.405	.451	.487	.374
„ 25,.....	42	40	47	64	58	65	.326	.349	.332	.389	.402	.352
„ 26,.....	32	27	53	71	74	45	.254	.241	.384	.415	.502	.275
„ 27,.....	34	55	63	53	73	64	.281	.442	.511	.340	.464	.375
„ 28,.....	52	61	75	69	72	81	.408	.488	.569	.422	.471	.471
„ 29,.....	55	63	81	77	79	85	.476	.553	.616	.516	.577	.534
„ 30,.....	68	67	81	83	84	87	.592	.599	.630	.583	.621	.564
„ 31,.....	62	64	84	96	83	94	.574	.580	.662	.629	.620	.593
Mean, ...	66	69	76	86	87	87	0.627	0.650	0.673	0.626	0.649	0.603

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
1888.												
Oct. 1, ...	10	nim.	...	10	cum.	ENE	8	sm-cum.	ENE	9	sm-cum.	E
„ 2, ...	10	cum.	ENE	10	cum.	NE	5	c-str. / sm-cum. / cum.	E / .... / ENE	3	c-cum. / cum.	W / E
„ 3, ...	7	cum.	E	10	cum.	ENE	9	sm-cum. / cum.	ENE	8	sm-cum. / cum.	S / E
„ 4, ...	10	R-cum.	E	10	cum.	E	10	R-cum.	E	10	cum. / R-cum.	S / E
„ 5, ...	6	cum.	E	10	str-cum.	E	8	c-str. / sm-cum. / cum.	W / WNW / E	8	c-cum. / cum.	WNW / ESE
„ 6, ...	10	cum.	E	8	cum.	E	10	sm-cum. / cum.	W / S	10	sm-cum. / cum.	W / SE
„ 7, ...	8	cum.	SE	10	cum.	...	9	R-cum.	S	7	cum.	S
„ 8, ...	8	cum.	SW	7	cum.	SW	10	R-cum.	SW	10	cum-nim.	SW
„ 9, ...	10	cum.	SW	10	cum.	SW	10	cum-nim.	SW	10	nim.	W
„ 10, ...	10	nim.	SW	10	cum.	SW	10	c-str. / c-cum. / cum-nim.	SW	8	c-str. / c-cum. / cum.	N / W / SW
„ 11, ...	2	cum.	...	6	cum.	...	10	str. / cum-nim.	NE	10	nim.	NE
„ 12, ...	10	cum.	E	10	cum.	E	4	sm-cum. / cum.	E	3	c-cum. / cum.	W / E
„ 13, ...	10	cum.	E	8	cum.	E	9	cum.	E	5	cum.	ESE
„ 14, ...	0	...	...	0	...	...	0	...	...	1	c-str.	...
„ 15, ...	5	c-str. / cum.	SSW / E	4	cum.	E	10	str-cum.	E	10	c-str. / cum.	E
„ 16, ...	9	c-str. / cum.	E	8	cum.	ENE	10	cum-nim.	ENE	10	str-cum.	ENE
„ 17, ...	10	cum.	E	10	cum.	E	10	c-cum. / cum.	E	10	cum. / R-cum.	SE / E
„ 18, ...	7	cum.	SE	9	cum.	SE	3	cum.	SE	7	cum.	S
„ 19, ...	3	cum.	SW	10	cum.	SW	10	cum.	SW	10	R-cum.	WSW
„ 20, ...	10	cum.	N	8	cum.	NE	2	cum.	NE	9	R-cum.	ENE
„ 21, ...	8	cum.	NE	3	cum.	NE	0	...	...	0	...	...
„ 22, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 23, ...	1	cum.	E	3	cum.	E	0	...	...	1	sm-cum.	...
„ 24, ...	10	cum.	E	0	...	...	0	...	...	0	...	...
„ 25, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 26, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 27, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 28, ...	7	cum.	NE	4	cum.	NE	0	...	...	0	...	...
„ 29, ...	1	cum.	E	2	cum.	E	0	...	...	1	cum.	...
„ 30, ...	0	...	...	0	...	...	0	...	...	2	cum.	N
„ 31, ...	0	...	...	4	cum.	E	1	cum.	E	1	cum.	ENE
Mean, ...	5.9	...	...	5.9	...	...	5.1	...	...	5.3	...	...

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	
1888.													
Oct. 1,.....	7	c-cum. / cum.	E / E	10	sm-cum. / cum.	ENE	10	R-cum.	...	10	nim.	...	9.2
„ 2,.....	10	str-cum.	ENE	3	c-cum. / sm-cum.	S / E	1	cum.	E	3	cum.	E	5.6
„ 3,.....	10	sm-cum.	S	10	str-cum. / cum.	S / E	10	cum-nim.	E	10	cum.	E	9.3
„ 4,.....	10	cum-nim.	E	10	nim.	E	10	cum-nim.	E	2	cum.	E	9.0
„ 5,.....	10	str. / cum.	E	10	str. / cum.	E	10	cum-nim.	E	9	cum.	E	8.9
„ 6,.....	10	sm-cum. / cum-nim.	SE	10	sm-cum. / cum.	SE	8	cum.	SE	4	cum.	SE	8.7
„ 7,.....	3	cum.	SW	7	c-str. / c-cum. / cum.	N / W / SW	3	cum.	SW	7	cum.	SW	6.8
„ 8,.....	10	R-cum.	SW	10	str. / cum-nim.	SW	10	cum-nim.	SW	10	cum.	SW	9.4
„ 9,.....	10	cum-nim.	SW	10	c-str. / c-cum. / cum.	.... / N / SW	10	cum-nim.	SW	6	cum.	SW	9.5
„ 10,.....	10	nim.	...	10	str. / cum.	W	8	c-str. / cum.	...	2	cum.	...	8.5
„ 11,.....	10	c-cum. / cum.	SW / NE	10	sm-cum. / cum.	S / E	10	cum.	E	10	cum.	E	8.5
„ 12,.....	4	c-cum. / cum.	WSW / E	2	c-cum.	WSW	0	...	...	10	cum.	E	5.4
„ 13,.....	1	cum.	E	1	cum.	ESE	0	...	...	6	cum.	ESE	5.0
„ 14,.....	1	c-str. / cum.	SSW / E	1	c-str.	S	2	c-str.	S	9	c-str.	SSW	1.7
„ 15,.....	10	sm-cum. / cum.	SSW / E	10	sm-cum. / cum.	S / ENE	10	sm-cum. / cum.	S / ENE	8	c-str. / sm-cum. / cum.	.... / S / E	8.4
„ 16,.....	10	str-cum.	ENE	10	nim.	E	10	str-cum.	E	10	cum.	E	9.6
„ 17,.....	10	nim.	E	10	c-cum. / cum.	W / SE	10	cum. / nim.	SE	3	cum.	SE	9.1
„ 18,.....	7	cum.	S	7	c-str. / c-cum. / cum.	NNW / W / SSW	10	cum.	S	6	cum.	SW	7.0
„ 19,.....	4	c-cum. / cum.	WSW / W	3	c-str. / c-cum. / cum.	W / W / W	10	cum.	W	10	cum.	NW	7.5
„ 20,.....	10	str-cum.	NE	10	str-cum.	NE	10	str-cum.	NE	10	str-cum.	NE	8.6
„ 21,.....	0	...	...	0	...	...	0	...	...	0	...	...	1.4
„ 22,.....	0	...	...	0	...	...	0	...	...	2	cum.	E	0.3
„ 23,.....	0	...	...	0	...	...	0	...	...	8	cum.	E	1.6
„ 24,.....	0	...	...	0	...	...	0	...	...	0	...	...	1.2
„ 25,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 26,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 27,.....	0	...	...	1	cum.	E	0	...	...	2	cum.	E	0.4
„ 28,.....	0	...	...	0	...	...	0	...	...	0	...	...	1.4
„ 29,.....	5	cum.	NNE	2	c-cum. / cum.	N	0	...	...	0	...	...	1.4
„ 30,.....	3	cum.	N	2	cum.	N	0	...	...	0	...	...	0.9
„ 31,.....	3	cum.	N	1	c-cum. / cum.	N	0	...	...	0	...	...	1.3
Mean,.....	5.4	...	...	5.2	...	...	4.9	...	...	5.1	...	...	5.3

NOVEMBER, 1888.

Unusual visibility—11th.

Fog (slight)—Early mornings of 20th and 30th.

Dew—1st, 5th, 13th, 14th, 16th, 19th, 20th, 24th, 27th and 29th.

Solar halo—9th.

Lunar halo—9th.

The total distance traversed 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	1511	143	10.6
NE	1159	105	11.0
E	4407	284	15.5
SE	464	52	8.9
S	49	12	4.1
SW	79	16	4.9
W	233	36	6.5
NW	30	6	5.0
Calm	46	66	0.7

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF NOVEMBER, 1888.

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, ...	29.921	29.914	29.911	29.904	29.911	29.933	29.948	29.961	29.974	29.970	29.951	29.925	29.889	29.858	29.857	29.855	29.869	29.877	29.888	29.901	29.905	29.908	29.912	29.904	29.910
„ 2, ...	.895	.883	.867	.860	.866	.887	.895	.914	.931	.927	.915	.899	.860	.839	.833	.835	.849	.855	.874	.904	.911	.913	.918	.922	.885
„ 3, ...	.915	.905	.910	.912	.923	.942	.963	.980	.992	.996	.990	.968	.930	.923	.927	.933	*.942	.951	.968	.986	.996	.996	.997	.995	.956
„ 4, ...	.986	.967	.955	.949	.959	.968	.997	30.003	30.015	30.015	.998	.964	.934	.910	.909	.922	.935	.953	.968	.981	.978	.976	.978	.978	.967
„ 5, ...	.975	.956	.952	.946	.951	.965	.992	.005	.011	.005	.987	.959	.933	.911	.894	.898	.906	.915	.930	.944	.946	.951	.952	.937	.951
„ 6, ...	.933	.924	.923	.925	.921	.940	.956	29.976	29.980	29.982	.976	.946	.916	.897	.902	.906	.913	.906	.920	.948	.956	.958	.954	.952	.938
„ 7, ...	.932	.929	.915	.920	.919	.932	.951	.964	.970	.969	.971	.952	.929	.910	.912	.912	.917	.929	.937	.954	.959	.962	.943	.943	.939
„ 8, ...	.931	.918	.913	.905	.916	.933	.958	.970	.989	.978	.970	.953	.922	.907	.901	.900	.895	.910	.916	.922	.923	.937	.927	.921	.930
„ 9, ...	.910	.889	.882	.874	.882	.889	.907	.919	.929	.918	.899	.881	.858	.841	.842	.841	.852	.860	.874	.891	.888	.886	.876	.859	.881
„ 10, ...	.850	.835	.830	.831	.841	.843	.879	.910	.937	.954	.938	.898	.834	.864	.847	.841	.852	.896	.920	.937	.952	.944	.946	.948	.889
„ 11, ...	.933	.927	.930	.928	.944	.962	.988	.996	30.004	30.004	.982	.963	.941	.929	.927	.928	.942	.951	.978	.999	30.009	30.017	30.019	30.020	.968
„ 12, ...	30.021	30.017	30.017	30.027	30.033	30.059	30.085	30.103	.117	.111	30.094	30.073	30.048	30.030	30.017	30.021	30.035	30.049	30.070	30.088	.103	.109	.109	.099	30.064
„ 13, ...	.096	.082	.076	.076	.080	.088	.104	.119	.128	.128	.117	.086	.047	.021	.005	.008	.026	.031	.048	.068	.084	.087	.078	.065	.073
„ 14, ...	.060	.048	.034	.032	.043	.060	.085	.105	.110	.105	.081	.053	.029	.010	29.993	29.984	29.993	29.999	.018	.037	.044	.044	.040	.034	.043
„ 15, ...	.028	.023	.017	.011	.011	.027	.047	.065	.077	.069	.040	.016	29.982	29.968	.959	.960	.974	.984	.013	.032	.033	.038	.044	.036	.019
„ 16, ...	.030	.026	.021	.020	.020	.022	.037	.040	.058	.050	.030	.001	.966	.941	.937	.934	.944	.955	29.969	29.995	29.996	29.995	29.990	29.977	29.998
„ 17, ...	29.961	29.948	29.936	29.915	29.906	29.920	29.923	29.932	29.948	29.943	29.912	29.893	.855	.840	.832	.835	.852	.867	.885	.888	.896	.890	.873	.856	.896
„ 18, ...	.827	.818	.807	.790	.790	.806	.824	.840	.857	.856	.837	.808	.765	.740	.729	.733	.745	.749	.763	.764	.759	.762	.750	.739	.786
„ 19, ...	.718	.702	.701	.694	.696	.713	.724	.748	.760	.752	.740	.720	.692	.664	.663	.664	.679	.694	.707	.723	.735	.745	.746	.746	.714
„ 20, ...	.743	.742	.746	.749	.768	.788	.813	.832	.840	.840	.823	.805	.770	.751	.748	.755	.767	.783	.802	.819	.839	.849	.858	.869	.796
„ 21, ...	.884	.883	.887	.885	.889	.908	.930	.947	.959	.956	.948	.947	.941	.923	.929	.946	.965	.979	30.007	30.029	30.039	30.049	30.047	30.049	.955
„ 22, ...	30.069	30.059	30.049	30.042	30.039	30.054	30.089	30.113	30.128	30.141	30.124	30.101	30.065	30.042	30.042	30.060	30.075	30.083	.109	.124	.126	.134	.132	.127	30.089
„ 23, ...	.114	.097	.083	.076	.082	.092	.112	.116	.127	.126	.106	.082	.053	.027	.019	.024	.034	.044	.063	.076	.078	.078	.078	.063	.077
„ 24, ...	.058	.047	.050	.056	.071	.088	.101	.122	.133	.131	.104	.075	.038	.021	.012	.012	.021	.032	.049	.069	.081	.087	.087	.079	.068
„ 25, ...	.071	.062	.066	.071	.077	.093	.118	.135	.154	.150	.138	.116	.079	.061	.057	.059	.075	.081	.091	.111	.111	.127	.126	.127	.098
„ 26, ...	.117	.109	.110	.110	.109	.129	.141	.162	.173	.174	.155	.124	.094	.064	.055	.062	.073	.084	.099	.116	.125	.131	.127	.125	.115
„ 27, ...	.121	.104	.098	.102	.109	.123	.145	.150	.149	.142	.116	.090	.055	.031	.019	.019	.028	.036	.053	.066	.068	.077	.066	.066	.085
„ 28, ...	.059	.047	.050	.050	.055	.062	.085	.091	.105	.106	.082	.055	.029	.016	.000	29.999	.016	.027	.042	.049	.057	.057	.047	.049	.051
„ 29, ...	.051	.041	.038	.040	.049	.060	.084	.095	.105	.096	.080	.047	.019	29.994	29.982	.982	29.990	.008	.027	.047	.055	.056	.056	.053	.044
„ 30, ...	.047	.039	.034	.032	.036	.055	.083	.100	.121	.122	.112	.090	.081	30.071	30.072	30.082	30.101	.126	.146	.168	.198	.212	.215	.209	.106
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means, ...	29.975	29.965	29.960	29.958	29.963	29.978	29.999	30.014	30.026	30.024	30.007	29.983	29.952	29.933	29.927	29.930	29.942	29.954	29.971	29.988	29.995	29.999	29.996	29.992	29.976

* Interpolated.

TABLE II.

TEMPERATURE FOR THE MONTH OF NOVEMBER, 1888.

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,	71.4	71.5	71.4	71.3	71.0	71.0	71.7	75.8	76.8	77.2	79.6	78.2	78.9	78.7	78.7	77.9	77.0	75.1	73.9	73.9	73.0	72.8	72.7	72.1	74.6	79.6	70.9
„ 2,	72.3	72.0	72.4	72.4	72.9	72.7	73.9	74.3	77.2	78.2	79.5	81.7	81.1	81.0	80.9	79.9	78.5	78.0	76.9	76.9	76.1	75.9	77.1	75.5	76.6	82.0	71.9
„ 3,	74.9	74.2	73.2	72.7	72.2	70.9	72.1	73.9	77.7	78.1	78.2	79.8	79.0	77.8	77.5	76.0	74.7	73.4	73.8	72.8	73.9	72.1	73.2	71.6	74.7	82.6	70.8
„ 4,	70.2	69.6	68.8	69.4	68.5	68.7	68.9	72.4	74.9	75.8	77.1	77.1	78.0	76.3	75.8	74.3	73.4	72.9	72.9	72.3	72.0	71.9	72.0	71.3	72.7	78.1	68.1
„ 5,	71.3	71.4	71.1	71.1	71.0	70.9	71.5	72.9	74.0	74.1	74.9	75.4	75.9	75.9	76.5	74.8	73.9	72.3	71.7	72.0	71.6	70.9	70.5	69.7	72.7	77.6	69.7
„ 6,	70.2	69.9	70.4	69.6	70.1	70.3	70.9	72.1	73.9	74.4	75.6	75.3	75.3	74.8	73.9	73.0	72.9	72.6	73.0	73.0	72.8	72.6	72.2	72.1	72.5	77.5	69.6
„ 7,	72.0	72.0	72.0	71.6	71.8	70.7	71.7	72.9	73.9	73.7	74.1	73.0	72.7	71.7	71.9	72.2	71.8	71.6	72.3	72.3	72.7	72.9	73.0	73.0	72.4	74.2	70.7
„ 8,	72.5	72.4	72.3	71.8	72.0	71.4	71.3	72.9	73.8	72.0	73.2	72.9	72.9	72.8	72.2	72.0	71.8	71.9	72.2	72.6	72.8	72.9	73.2	72.8	72.4	73.8	71.3
„ 9,	73.0	72.9	73.0	72.4	72.8	72.3	72.0	73.0	73.8	73.5	73.8	75.6	75.0	75.0	74.9	74.2	74.0	73.9	73.6	73.3	73.8	73.1	72.7	72.6	73.5	75.6	71.8
„ 10,	73.1	73.0	73.5	73.0	72.0	73.3	74.1	73.0	71.4	70.1	69.2	69.6	70.6	71.7	72.6	71.9	71.2	69.9	69.9	69.3	69.5	69.7	69.5	68.6	71.2	74.4	68.6
„ 11,	68.3	68.6	68.3	68.8	69.2	68.5	68.7	69.9	71.8	73.2	74.9	76.6	78.1	75.9	76.0	74.9	73.3	71.8	71.0	71.1	69.8	67.7	69.0	67.9	71.4	78.1	67.7
„ 12,	67.3	67.4	67.4	67.5	67.8	67.8	66.9	67.9	70.2	70.7	73.1	73.8	74.6	73.2	74.1	74.1	73.0	71.0	71.1	69.9	69.8	68.7	67.2	67.3	70.1	74.6	66.6
„ 13,	67.3	68.3	68.5	68.2	66.4	67.0	67.1	68.9	69.9	72.0	73.5	73.7	74.9	74.0	73.1	71.8	69.6	67.9	67.8	67.8	66.4	65.9	65.2	65.3	69.2	75.7	64.9
„ 14,	65.0	64.8	65.0	64.8	64.3	64.6	65.3	68.9	69.9	71.0	72.8	74.1	*73.2	72.2	71.7	71.5	70.4	69.9	69.8	69.1	69.0	69.0	69.0	69.0	68.9	74.1	63.8
„ 15,	69.0	69.1	69.6	69.8	69.6	69.4	68.0	69.0	71.9	72.4	73.3	73.7	74.2	73.0	72.3	71.2	71.0	70.4	70.3	70.0	69.9	70.0	70.7	70.7	70.8	74.2	67.4
„ 16,	71.2	71.2	71.1	70.5	70.7	70.1	69.8	71.4	71.9	73.0	72.4	72.1	71.9	72.5	71.8	71.7	71.0	70.8	70.8	70.7	69.0	69.9	69.2	69.4	71.0	73.0	68.1
„ 17,	68.3	68.8	68.3	68.3	68.3	69.1	69.7	71.0	73.7	73.6	74.6	75.6	76.8	78.0	76.8	75.9	75.0	74.9	73.9	73.0	73.1	73.3	72.9	72.1	72.7	78.1	68.0
„ 18,	71.9	71.9	70.6	70.3	68.7	68.6	70.0	70.7	70.1	70.2	70.1	71.2	72.8	72.3	72.0	71.7	71.7	71.9	71.5	71.8	71.6	71.8	71.7	70.9	71.1	72.8	68.4
„ 19,	70.4	70.4	70.4	69.7	69.4	69.6	68.8	68.7	71.9	71.9	72.5	74.1	74.9	76.7	76.7	76.6	74.5	71.9	71.9	71.9	70.9	70.7	69.9	69.9	71.8	77.0	68.7
„ 20,	69.3	69.4	69.1	68.7	68.8	68.8	69.2	71.9	73.9	75.2	75.6	76.0	76.4	77.1	76.7	75.1	73.8	72.2	71.9	71.2	71.0	69.9	69.6	69.7	72.1	77.1	68.7
„ 21,	71.6	71.8	70.4	69.7	69.6	68.0	69.5	71.8	73.6	74.1	75.1	75.0	74.7	75.6	73.1	72.9	72.6	71.1	69.9	70.3	69.4	68.7	68.3	67.0	71.4	75.6	66.8
„ 22,	66.0	64.7	64.5	64.4	64.4	63.6	62.9	64.7	67.2	68.3	69.3	71.2	71.0	71.0	71.4	70.2	68.4	67.4	67.8	66.3	64.9	64.1	64.6	63.7	66.8	71.4	62.9
„ 23,	63.0	62.6	62.8	62.1	61.2	62.0	64.0	65.0	66.0	66.3	67.5	67.4	67.9	67.9	67.8	67.8	67.4	67.7	67.9	67.3	67.8	68.4	67.4	68.5	66.0	68.7	60.8
„ 24,	68.9	68.5	68.1	67.1	67.5	66.2	65.9	69.7	70.9	72.8	74.3	74.5	73.9	74.9	74.0	72.8	71.0	70.0	68.9	69.0	68.0	68.0	67.6	68.7	70.0	75.3	65.2
„ 25,	68.6	68.8	67.9	68.1	66.8	66.3	67.0	69.1	70.9	70.9	71.6	72.0	72.0	71.8	71.5	70.9	69.8	69.7	69.7	69.5	69.9	69.9	70.0	69.7	69.7	72.4	65.4
„ 26,	69.5	69.9	69.2	68.6	68.8	68.3	67.9	68.7	69.5	70.9	70.9	71.1	70.0	70.7	70.4	70.0	68.9	68.5	68.7	68.6	69.9	69.9	69.7	69.4	69.5	71.2	67.8
„ 27,	69.2	68.9	68.9	69.0	68.4	68.6	67.9	69.9	69.9	70.7	70.8	71.4	71.9	71.1	69.9	69.8	69.0	68.8	68.9	69.9	70.7	70.5	70.5	70.3	69.8	71.9	67.9
„ 28,	70.2	69.9	70.2	70.2	69.8	68.9	68.9	70.1	70.9	71.4	71.2	71.7	71.4	70.9	71.0	70.8	70.0	70.0	70.6	70.9	70.9	71.0	70.9	71.0	70.5	71.7	68.9
„ 29,	70.7	70.6	70.7	70.2	69.9	70.0	70.2	71.5	72.9	73.8	74.4	74.9	74.4	74.7	75.0	74.0	73.0	71.4	71.5	71.5	70.9	69.9	69.1	68.9	71.8	75.0	68.9
„ 30,	68.7	68.1	68.5	68.5	68.6	68.3	68.8	71.9	74.9	76.1	77.0	77.8	77.7	75.9	75.5	73.8	71.3	70.3	69.7	68.0	66.0	65.6	64.0	62.6	70.7	78.0	62.6
Hourly Means,	69.8	69.8	69.6	69.3	69.1	68.9	69.2	70.8	72.3	72.9	73.7	74.2	74.4	74.2	73.9	73.1	72.1	71.3	71.1	70.9	70.6	70.3	70.1	69.7	71.3	75.4	67.8

* Interpolated.

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF NOVEMBER, 1888.

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,	68.1	68.4	68.4	68.3	68.2	68.3	68.7	70.8	69.8	68.1	69.9	69.6	70.7	70.4	70.5	69.9	69.9	69.1	69.0	69.7	69.0	68.9	69.2	68.3	69.2	134.4	63.3
„ 2,	68.4	68.3	68.5	68.3	68.3	66.7	67.9	68.5	69.9	69.0	70.1	68.3	71.7	71.9	71.9	71.7	69.0	68.5	67.9	67.5	67.1	65.9	64.1	64.4	68.5	141.3	64.4
„ 3,	64.2	64.3	64.3	64.7	64.4	64.9	63.8	64.7	66.3	66.8	67.3	68.6	67.9	67.6	67.0	66.1	65.4	64.9	64.2	63.4	64.9	64.9	61.7	61.7	65.2	140.4	65.6
„ 4,	62.0	62.0	63.0	61.5	60.6	61.0	61.3	63.5	65.2	65.9	66.2	66.4	67.4	67.7	67.9	68.1	67.6	67.4	67.6	67.8	67.5	67.9	67.7	67.7	65.5	133.2	61.5
„ 5,	66.8	66.5	67.9	67.8	65.9	67.1	65.9	66.5	67.8	67.7	67.3	67.8	67.9	68.1	68.3	67.7	67.8	67.5	66.0	66.1	67.8	67.9	67.6	67.8	67.3	136.0	64.3
„ 6,	67.8	67.8	67.8	67.8	68.1	68.0	68.2	68.6	69.0	68.6	69.5	69.7	69.5	69.1	68.9	68.2	67.9	67.2	67.6	67.6	67.9	67.9	67.7	67.6	68.3	143.7	63.2
„ 7,	67.5	67.5	67.2	66.5	67.5	67.0	67.5	67.8	67.6	67.5	67.7	67.7	67.4	66.7	66.9	67.0	66.0	65.1	66.9	67.0	66.5	66.4	66.6	66.8	67.0	129.0	68.3
„ 8,	66.8	66.4	66.8	66.8	66.4	65.6	65.4	66.6	67.3	65.8	66.4	66.7	66.9	66.6	66.9	67.6	67.7	67.9	67.9	68.5	68.7	68.4	68.7	68.5	67.1	129.7	68.1
„ 9,	69.0	68.8	69.0	68.5	68.7	68.3	68.2	68.3	68.0	68.0	68.3	68.6	68.7	68.9	69.2	69.3	69.5	69.1	69.2	69.8	69.9	69.9	70.0	69.9	69.0	138.2	70.3
„ 10,	69.9	69.8	69.9	69.8	68.6	69.9	69.9	69.7	69.8	67.1	66.2	66.0	65.7	66.8	66.5	65.9	65.0	65.9	65.5	64.8	64.8	64.2	64.4	64.0	67.1	90.9	64.6
„ 11,	64.1	63.7	63.4	62.4	62.0	61.2	61.9	62.1	63.6	64.2	65.3	65.6	66.9	66.0	65.8	64.9	64.0	63.7	63.4	61.8	61.4	61.1	61.6	61.6	63.4	134.4	60.4
„ 12,	61.7	62.1	61.6	61.6	61.7	61.5	61.1	61.6	62.8	63.0	64.9	65.8	66.1	65.8	66.6	65.0	64.9	64.0	64.5	63.2	62.4	61.8	62.6	62.2	63.3	131.7	61.8
„ 13,	61.8	61.7	61.3	60.8	60.9	60.3	61.0	61.9	62.3	63.3	64.8	64.9	65.0	64.1	63.9	62.6	61.7	61.0	60.3	60.2	60.0	60.0	61.6	60.8	61.9	140.5	58.4
„ 14,	60.6	61.1	61.4	60.8	60.3	61.0	60.7	63.0	63.8	63.8	65.2	65.8	*65.8	65.7	65.8	65.6	65.2	65.1	65.3	65.2	64.9	64.7	65.5	65.4	63.8	135.7	57.4
„ 15,	65.0	64.7	65.6	65.2	65.1	64.3	64.3	64.9	65.9	66.2	66.3	66.7	66.9	66.8	66.4	65.8	65.9	65.1	65.5	65.5	65.6	65.9	66.4	65.8	65.7	140.7	61.3
„ 16,	66.3	66.5	66.6	67.1	66.5	66.0	65.7	65.8	65.7	65.5	66.8	66.0	65.9	65.9	65.9	65.8	65.3	65.2	65.4	65.9	65.5	66.1	65.8	66.0	66.0	131.7	62.6
„ 17,	65.8	65.5	65.5	66.0	66.0	66.4	67.1	67.9	68.9	68.6	69.2	69.2	68.9	68.7	70.8	69.8	68.5	68.9	67.9	69.5	69.6	70.0	69.8	67.9	68.2	135.3	61.4
„ 18,	68.0	67.9	67.2	67.1	67.6	67.0	67.9	68.2	68.0	68.2	67.7	68.2	68.0	67.7	67.4	67.3	67.3	67.5	67.4	67.2	67.4	67.5	67.6	66.8	67.6	92.9	66.6
„ 19,	66.4	67.0	66.9	66.6	66.2	66.8	67.1	67.9	69.3	68.7	69.6	70.3	70.4	70.3	70.2	69.2	69.9	69.0	69.1	68.6	68.5	68.6	68.1	68.5	68.5	138.7	63.7
„ 20,	67.9	68.0	68.0	67.6	67.7	67.6	67.7	69.0	68.0	68.4	69.0	69.6	68.9	67.9	68.8	67.7	67.8	67.7	67.7	67.3	67.0	67.0	66.8	67.0	67.9	134.5	60.6
„ 21,	62.6	61.6	61.9	60.8	61.1	60.0	58.7	60.0	60.9	62.6	62.8	63.7	63.8	63.6	64.4	64.0	63.1	60.0	59.7	59.3	58.7	57.9	57.2	57.3	61.1	139.8	59.8
„ 22,	57.4	56.6	55.5	54.9	54.7	54.4	54.9	55.9	56.9	57.1	57.5	58.5	58.0	59.5	59.4	58.9	58.0	57.3	58.2	57.0	55.9	55.3	54.3	54.9	56.7	131.7	55.7
„ 23,	54.8	54.6	54.7	55.0	55.0	56.6	57.9	58.7	59.8	59.7	60.6	60.7	61.3	61.8	60.9	60.7	60.5	60.8	61.2	61.1	60.0	60.6	60.8	61.6	59.1	137.6	52.0
„ 24,	61.7	61.9	62.4	59.9	58.2	58.4	58.7	60.8	61.3	61.6	64.0	63.8	64.0	64.7	65.0	65.5	64.5	64.0	64.8	65.0	64.7	64.2	64.4	64.5	62.8	132.6	56.8
„ 25,	64.9	65.0	64.3	62.4	62.3	62.4	62.6	63.9	64.8	64.2	65.2	65.1	65.1	65.5	65.4	64.6	64.5	63.7	64.6	64.6	64.9	64.9	64.8	64.6	64.3	129.8	59.1
„ 26,	64.6	64.6	64.3	63.7	63.6	63.3	63.2	63.1	63.0	62.9	63.8	64.0	63.9	63.9	64.3	63.8	63.9	63.5	63.8	64.1	64.9	65.6	65.5	64.2	64.0	138.9	64.2
„ 27,	64.3	64.4	63.6	64.5	64.1	63.9	63.1	63.9	64.8	64.4	64.3	64.7	64.5	64.0	63.9	63.6	63.0	63.1	64.0	64.9	65.8	65.4	65.7	65.4	64.3	130.4	65.2
„ 28,	64.4	64.9	65.0	65.0	64.7	64.0	64.1	64.8	64.9	64.9	64.9	65.1	65.4	64.9	65.0	65.7	65.4	66.0	66.6	66.9	67.0	67.2	67.1	67.2	65.5	139.5	66.2
„ 29,	66.8	66.7	66.5	65.8	65.4	65.1	65.2	66.0	67.0	67.1	67.6	67.8	68.0	68.0	67.8	67.3	67.5	67.8	68.4	68.4	68.0	66.9	66.4	66.5	67.0	131.7	63.2
„ 30,	66.2	65.9	66.2	66.3	66.5	66.0	66.8	67.7	67.9	67.1	67.2	66.8	66.6	65.9	65.5	64.4	62.7	61.6	60.5	59.2	58.0	57.6	59.0	57.5	64.1	136.6	61.2
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hourly Means,	64.9	64.8	64.8	64.4	64.2	64.1	64.2	65.1	65.7	65.5	66.2	66.4	66.6	66.5	66.6	66.1	65.6	65.3	65.3	65.2	65.1	65.0	65.0	64.7	65.3	132.7	62.4

* Interpolated.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF NOVEMBER, 1888.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1888.		
1 a.	75	0.555	Nov. 1,.....	74	0.642
2 „	75	.552	„ 2,.....	64	.590
3 „	76	.554	„ 3,.....	57	.496
4 „	75	.545	„ 4,.....	66	.533
5 „	75	.540	„ 5,.....	74	.598
6 „	76	.539	„ 6,.....	80	.637
7 „	75	.539	„ 7,.....	74	.590
8 „	72	.549	„ 8,.....	75	.594
9 „	69	.550	„ 9,.....	79	.650
10 „	65	.534	„ 10,.....	80	.611
11 „	65	.549	„ 11,.....	62	.478
Noon.	64	.549	„ 12,.....	67	.492
1 p.	65	.554	„ 13,.....	64	.458
2 „	64	.553	„ 14,.....	75	.526
3 „	67	.561	„ 15,.....	75	.566
4 „	67	.553	„ 16,.....	76	.574
5 „	69	.549	„ 17,.....	78	.631
6 „	71	.549	„ 18,.....	83	.630
7 „	72	.552	„ 19,.....	84	.654
8 „	72	.551	„ 20,.....	80	.628
9 „	73	.551	„ 21,.....	52	.403
10 „	74	.552	„ 22,.....	50	.328
11 „	75	.555	„ 23,.....	64	.411
Midt.	75	.550	„ 24,.....	65	.477
			„ 25,.....	73	.532
			„ 26,.....	73	.524
			„ 27,.....	73	.530
			„ 28,.....	75	.563
			„ 29,.....	77	.599
			„ 30,.....	68	.512
			.....	...	...
Mean, ...	71	0.549	Mean,.....	71	0.549

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.
1888.														
Nov. 1,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.0
„ 2,	...	0.5	0.7	1.0	1.0	0.8	1.0	1.0	0.9	0.9	0.6	0.1	...	8.5
„ 3,	...	...	0.3	1.0	1.0	0.9	0.9	0.5	...	0.1	0.1	...	...	4.8
„ 4,	...	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	9.5
„ 5,	...	...	...	0.6	...	...	0.5	1.0	0.8	0.5	0.1	0.3	...	3.8
„ 6,	...	...	0.2	...	0.2	0.1	0.9	0.8	0.3	0.1	...	...	...	2.6
„ 7,	...	0.3	0.6	1.0	1.0	0.5	...	...	...	...	...	...	...	3.4
„ 8,	...	...	0.7	0.8	1.0	0.9	0.8	0.7	...	...	...	...	...	4.9
„ 9,	...	...	0.5	0.5	0.6	0.9	0.5	0.9	0.4	...	...	...	...	4.3
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	0.4	0.4	0.9	1.0	1.0	1.0	1.0	0.9	0.7	0.6	0.1	...	8.0
„ 12,	...	...	...	0.6	0.4	1.0	1.0	1.0	0.3	0.1	...	0.5	...	4.9
„ 13,	...	0.5	...	0.2	0.8	0.9	1.0	0.7	0.5	0.9	1.0	0.8	...	7.3
„ 14,	...	0.5	0.5	0.3	0.8	0.9	0.9	0.1	0.1	0.6	1.0	0.1	...	5.8
„ 15,	...	...	0.1	1.0	1.0	1.0	0.2	0.7	0.6	...	0.5	0.1	...	5.2
„ 16,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	10.1
„ 17,	...	0.5	0.9	1.0	1.0	0.9	0.4	0.7	0.9	0.1	0.1	...	...	6.5
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	0.1	0.4	0.1	0.8	1.0	1.0	1·0	1.0	0.3	...	5.7
„ 20,	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.2	...	9.1
„ 21,	...	0.7	1.0	1.0	1.0	1.0	1.0	0.6	1.0	...	0.7	0.5	...	8.5
„ 22,	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.8
„ 23,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.4	0.1	...	...	7.9
„ 24,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	10.1
„ 25,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.8
„ 26,	...	0.1	0.1	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	8.1
„ 27,	...	...	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.5
„ 28,	...	0.2	1.0	0.8	0.6	1.0	1.0	1.0	1.0	1.0	0.9	0.3	...	8.8
„ 29,	...	0.2	0.5	0.1	...	...	0.1	0.6	1.0	1.0	1.0	0.4	...	4.9
„ 30,	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.8	...	...	8.6
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	...	7.7	17.3	21.4	22.8	22.9	23.0	23.3	20.6	16.9	17.0	7.5	...	200.4
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF NOVEMBER, 1888.

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.
Nov. 1,	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	0·005
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	0·050	...	...	0·010	0·380	0·085	0·125	0·010	...	...	...	...	...	...	...	...	...	...	...	...	0·660
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	0·010	...	0·010	0.005	0.020	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·045
„ 19,	...	...	...	...	...	...	0.020	0.025	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·045
„ 20,	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	...	...	...	0·060	0·015	0·030	0·040	0·400	0·085	0·125	0·010	...	0·005	...	...	...	...	...	...	...	...	...	...	0·770

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF NOVEMBER, 1888

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,	...	1	...	1	...	1	11	2	11	3	...	1	...	1	...	1	11	3	11	5	17	4	21	5	24	5	24	7	24	10	23	5	...	1	22	3	...	1	25	6	21	2	...	1	20	3	...	1	73	3.0
" 2,	...	1	20	2	20	2	22	3	23	6	25	3	24	2	23	3	25	4	25	5	29	6	31	8	25	11	23	11	21	7	22	5	1	9	2	9	30	7	13	5	14	4	8	6	2	14	1	11	144	6.0
" 3,	1	11	1	12	1	5	32	8	1	5	32	5	1	13	1	13	2	6	6	3	20	5	23	6	12	6	10	11	5	9	3	5	3	3	32	3	32	3	1	2	...	1	...	1	1	6	1	5	147	6.1
" 4,	32	2	...	1	...	1	2	2	1	3	5	3	31	4	...	1	...	1	6	4	12	6	11	9	11	4	10	14	8	14	9	12	10	12	10	10	10	7	11	6	7	6	7	4	7	3	...	0	129	5.4
" 5,	...	0	...	0	...	0	...	0	...	0	...	0	...	1	...	1	7	5	31	3	1	5	10	5	12	5	23	7	23	6	12	4	5	2	32	4	1	3	...	0	...	0	10	2	11	3	11	4	60	2.5
" 6,	...	1	...	1	...	1	...	0	...	0	...	0	...	1	8	7	8	7	9	6	10	9	9	13	9	15	9	19	9	17	9	17	8	12	8	13	5	10	6	10	6	9	6	11	7	10	5	10	199	8.3
" 7,	8	15	7	13	7	16	7	17	6	19	6	16	6	18	7	17	7	20	7	22	7	18	7	19	7	20	7	19	6	16	7	19	6	17	7	14	7	17	7	19	7	16	7	22	7	27	7	22	438	18.2
" 8,	7	21	7	22	7	24	7	21	6	23	7	22	7	20	7	23	7	24	7	28	7	21	7	20	9	24	7	20	7	21	7	23	7	25	7	19	7	20	7	18	7	18	7	19	6	19	7	21	516	21.5
" 9,	6	21	7	20	6	25	7	22	6	24	7	25	7	25	6	24	7	26	7	30	7	26	7	22	7	19	9	21	9	15	10	14	8	14	7	10	7	8	6	7	7	9	7	9	6	9	7	12	437	18.2
" 10,	7	13	7	15	7	15	7	15	6	17	6	15	5	12	4	11	4	12	1	17	2	22	4	12	1	16	2	10	1	10	2	10	32	9	30	3	32	6	1	5	1	7	1	8	31	8	32	5	273	11.4
" 11,	4	3	31	5	32	6	32	9	2	14	2	15	2	16	1	16	1	18	1	15	31	10	32	9	14	3	16	2	11	4	32	7	1	10	4	12	4	8	2	9	1	6	1	6	1	7	1	6	216	9.0
" 12,	32	4	28	4	30	5	32	8	32	7	32	9	31	10	32	13	32	12	32	6	16	6	20	7	24	11	22	13	18	4	32	9	3	7	32	7	32	11	1	11	1	13	1	15	1	3	...	1	196	8.2
" 13,	32	7	32	10	1	12	1	13	1	4	1	9	32	9	1	9	3	10	3	7	8	4	24	6	26	6	32	12	32	11	2	12	32	12	1	16	2	11	3	7	2	3	2	4	2	2	2	2	198	8.3
" 14,	2	2	...	1	2	2	2	2	2	5	...	1	2	2	...	1	...	0	7	11	8	12	10	10	10	17	9	7	10	11	10	11	10	11	9	10	9	5	8	5	5	6	...	1	13	3	16	2	138	5.7
" 15,	...	1	10	3	6	8	4	12	5	14	3	14	32	4	32	6	5	7	9	12	10	11	10	11	9	11	8	14	9	14	9	12	8	12	8	9	10	8	10	9	8	8	7	8	8	7	6	10	225	9.4
" 16,	4	6	4	7	5	10	7	12	5	12	5	14	4	9	6	11	7	12	9	13	10	17	10	23	9	24	10	18	11	19	10	16	8	14	9	10	8	6	8	6	12	5	10	9	9	8	8	6	287	12.0
" 17,	8	5	7	5	9	2	10	3	10	5	9	9	8	6	9	7	9	7	9	11	11	12	10	14	10	11	11	12	9	14	8	13	9	10	8	12	9	14	9	19	6	10	7	11	7	15	6	18	245	10.2
" 18,	7	14	7	12	5	9	7	13	7	19	8	14	5	10	7	11	7	12	6	7	6	13	5	9	3	9	5	17	6	18	6	20	5	17	6	19	6	14	4	13	5	11	6	11	5	12	7	14	318	13.3
" 19,	8	22	8	14	8	5	32	2	31	3	31	2	29	2	26	5	26	4	26	6	22	8	23	8	22	9	22	9	21	8	21	5	14	9	15	8	15	6	15	5	16	2	...	1	...	0	...	1	144	6.0
" 20,	...	0	...	0	...	0	...	0	...	1	6	2	...	1	...	0	...	1	12	4	23	8	23	9	23	10	23	7	12	4	9	2	10	3	...	1	10	3	9	4	11	3	...	1	...	1	...	1	66	2.7
" 21,	3	7	2	13	5	10	4	12	5	19	6	17	2	16	2	15	7	12	9	9	11	11	9	12	11	14	10	10	13	10	13	6	32	6	31	13	32	8	1	17	2	13	1	18	1	16	32	15	299	12.5
" 22,	32	14	31	14	32	18	32	31	1	30	1	35	1	22	1	14	2	21	32	16	1	13	2	9	32	9	7	10	32	12	1	9	1	10	2	14	2	15	1	23	1	15	32	5	3	6	2	4	369	15.4
" 23,	2	4	2	5	1	5	1	6	1	5	4	5	7	12	7	21	6	24	7	27	7	23	7	23	8	22	7	20	7	18	7	15	8	12	5	10	6	9	5	9	4	4	4	8	4	8	6	13	308	12.8
" 24,	5	14	6	13	5	10	1	8	1	9	2	6	...	1	10	2	10	3	8	5	11	9	10	7	25	8	24	4	25	9	25	6	25	5	25	4	25	3	...	1	17	2	17	2	8	8	8	7	146	6.1
" 25,	6	8	5	8	2	7	2	8	4	5	5	8	4	14	6	13	7	19	7	19	6	19	7	17	7	15	8	18	8	19	8	18	9	19	7	15	7	14	7	15	7	18	8	19	8	25	7	19	359	15.0
" 26,	7	21	6	21	6	20	6	19	6	16	6	18	7	18	7	19	7	21	7	20	9	14	10	17	10	22	9	18	10	23	9	20	9	19	7	14	6	12	6	12	7	12	8	16	8	22	8	25	439	18.3
" 27,	8	20	8	21	7	18	6	16	6	18	5	15	5	14	4	11	8	14	10	20	7	18	9	20	8	20	10	23	11	22	10	20	8	15	7	13	8	14	7	15	9	23	8	23	8	24	7	24	441	18.4
" 28,	7	26	7	28	6	25	5	23	6	19	7	23	7	23	7	29	7	33	7	31	7	27	7	27	7	23	9	26	10	28	9	26	7	15	8	16	7	15	7	19	7	16	7	16	7	18	7	18	550	22.9
" 29,	7	15	6	16	6	14	7	12	7	13	7	13	8	16	8	13	8	18	8	22	9	23	8	21	9	17	10	17	9	17	9	17	9	14	8	9	8	7	8	6	8	4	8	3	...	0	...	1	308	12.8
" 30,	...	1	...	1	...	1	...	1	...	1	11	3	20	3	22	5	1	8	1	15	32	18	1	18	32	20	1	19	1	16	1	16	1	20	1	25	1	27	1	31	1	27	2	23	1	5	32	6	310	12.9
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	280	...	288	...	277	...	300	...	319	...	322	...	305	...	322	...	364	...	399	...	398	...	396	...	406	...	415	...	406	...	374	...	344	...	325	...	292	...	314	...	273	...	283	...	292	...	284	7978	332.5
Hourly Means,	...	9.3	...	9.6	...	9.2	...	10.0	...	10.6	...	10.7	...	10.2	...	10.7	...	12.1	...	13.3	...	13.3	...	13.2	...	13.5	...	13.8	...	13.5	...	12.5	...	11.5	...	10.8	...	9.7	...	10.5	...	9.1	...	9.4	...	9.7	...	9.5	265.9	11.1

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR NOVEMBER, 1888.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	2.5	7.3	0.0	0.0	+2.5	+7.3	E 19° N
2 „	2.9	7.1	0.1	0.1	2.8	6.9	E 22° N
3 „	3.9	6.3	0.0	0.1	3.9	6.2	E 32° N
4 „	4.7	6.1	0.1	0.1	4.6	6.0	E 37° N
5 „	5.5	6.5	0.1	0.2	5.4	6.3	E 41° N
6 „	4.8	7.2	0.1	0.1	4.7	7.1	E 33° N
7 „	4.7	6.3	0.1	0.2	4.6	6.1	E 37° N
8 „	3.9	7.0	0.1	0.4	3.9	6.6	E 31° N
9 „	3.0	9.5	0.1	0.2	2.9	9.3	E 17° N
10 „	2.8	10.2	0.4	0.3	2.4	9.9	E 14° N
11 „	2.7	9.3	1.9	0.7	0.8	8.6	E 5° N
Noon.	1.9	9.7	1.5	1.2	0.4	8.5	E 3° N
1 p.	1.8	9.3	1.4	1.9	+0.3	7.4	E 2° N
2 „	1.7	9.8	1.7	1.8	0.0	8.0	E
3 „	2.2	9.3	2.6	1.2	−0.3	8.0	E 2° S
4 „	2.3	9.4	1.1	0.6	+1.2	8.7	E 8° N
5 „	3.4	8.0	0.6	0.2	2.8	7.9	E 19° N
6 „	3.7	7.1	0.4	0.3	3.3	6.8	E 26° N
7 „	3.7	6.2	0.4	0.2	3.3	6.1	E 28° N
8 „	4.2	6.3	0.5	0.2	3.7	6.1	E 31° N
9 „	3.4	5.8	0.5	0.0	3.0	5.7	E 28° N
10 „	2.9	6.6	0.2	0.0	2.7	6.6	E 22° N
11 „	2.9	7.3	0.2	0.1	2.7	7.2	E 21° N
Midt.	2.5	7.2	0.2	0.0	+2.3	+7.2	E 18° N
Mean,.....	3.2	7.7	0.6	0.4	+2.7	+7.3	E 20° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AND RAINFALL AT VICTORIA PEAK, AND RAINFALL AT THE OBSERVATORY.

Date.	10 a.		4 p.		10 p.		Rain.		
	Direction	Force.	Direction	Force.	Direction	Force.	Peak.	Observatory.	Duration.
1888.							ins.	ins.	hrs.
Nov. 1,.....	E	2	E	2	NE	3	...	...	...
„ 2,.....	NE	3	NE	3	NE	3	...	...	...
„ 3,.....	NE	3	NE	2	NE	3	...	...	...
„ 4,.....	E	3	ESE	2	E	2	...	...	...
„ 5,.....	NNE	2	NE	1	NE	2	...	...	...
„ 6,.....	ENE	3	ENE	2	NE	2	...	...	...
„ 7,.....	E	5	E	4	E	5	...	0.005	1
„ 8,.....	E	5	E	5	E	5	...	...	...
„ 9,.....	E	5	E	4	E	4	...	0.495	3
„ 10,.....	NE	4	NE	3	NE	3	0.56	0.165	2
„ 11,.....	NE	4	NE	3	NE	3	...	...	...
„ 12,.....	NE	3	NW	4	NW	4	...	...	...
„ 13,.....	ENE	3	ENE	4	ENE	3	...	...	...
„ 14,.....	E	3	E	2	E	3	...	...	...
„ 15,.....	E	3	E	3	E	3	...	...	...
„ 16,.....	E	4	E	3	E	3	...	...	...
„ 17,.....	E	4	E	4	E	4	0.26	0.045	2
„ 18,.....	E	4	NE	5	E	5	0.18	0.045	2
„ 19,.....	E	3	W	3	NW	3	...	0.005	...
„ 20,.....	NW	2	WSW	3	E	3	...	...	...
„ 21,.....	NE	3	NE	4	NE	5	...	...	...
„ 22,.....	NE	4	ENE	3	ENE	3	...	...	...
„ 23,.....	E	4	E	4	E	3	...	...	...
„ 24,.....	ENE	3	E	3	NE	3	...	...	...
„ 25,.....	E	4	E	4	E	4	...	...	...
„ 26,.....	E	4	E	3	E	4	...	...	...
„ 27,.....	E	4	E	3	E	4	...	...	...
„ 28,.....	E	5	E	4	E	4	...	...	...
„ 29,.....	E	4	E	3	E	3	...	0.005	...
„ 30,.....	NE	4	NE	4	NE	5	...	...	...
.....	...	...	...	...	...	...	...	...	...
Mean,.....	E 16° N	3.6	E 17° N	3.2	E 20° N	3.5	1.00	0.765	10

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1888.	ins.	ins.	ins.	°	°	°	°	°	°	°
Nov. 1,.....	28.205	28.157	28.134	69.9	71.8	68.4	133.0	73.2	65.3	62.3
„ 2,.....	.190	.134	.150	71.0	72.4	69.7	133.9	73.1	64.7	63.4
„ 3,.....	.240	.200	.228	69.2	71.1	68.0	135.1	73.8	65.3	63.1
„ 4,.....	.260	.195	.232	69.8	71.7	68.7	129.8	74.9	65.0	64.3
„ 5,.....	.249	.183	.214	67.8	69.8	65.8	126.0	72.3	64.8	59.1
„ 6,.....	.247	.225	.212	67.7	67.7	65.7	123.3	69.2	63.9	57.3
„ 7,.....	.225	.172	.182	66.0	64.8	63.8	128.8	67.5	63.3	61.4
„ 8,.....	.210	.173	.190	64.2	65.0	64.7	128.8	66.6	61.3	60.4
„ 9,.....	.185	.129	.163	67.9	67.2	65.8	132.1	68.2	64.0	62.4
„ 10,.....	.195	.118	.171	64.7	64.4	63.7	91.7	66.9	62.2	59.4
„ 11,.....	.243	.203	.248	64.8	68.8	64.7	127.7	71.2	61.3	60.4
„ 12,.....	.340	.198	.295	64.4	67.2	64.5	124.9	69.5	61.4	51.4
„ 13,.....	.253	.286	.324	64.7	66.7	62.1	125.8	68.3	60.2	57.4
„ 14,.....	.356	.278	.289	63.5	66.0	63.4	131.9	68.6	61.3	58.3
„ 15,.....	.302	.238	.249	64.2	66.5	63.8	128.9	67.8	61.7	60.4
„ 16,.....	.281	.206	.192	65.8	68.3	65.7	124.9	68.3	62.4	60.5
„ 17,.....	.191	.134	.122	65.7	69.2	66.2	129.7	69.2	63.3	61.6
„ 18,.....	.109	.016	27.995	64.2	64.2	63.9	94.0	66.2	63.8	63.3
„ 19,.....	.030	27.975	28.004	64.7	69.0	66.0	122.3	69.3	63.9	63.5
„ 20,.....	.104	28.061	.095	66.7	69.7	63.8	129.7	70.3	60.2	57.6
„ 21,.....	.251	.209	.263	67.7	67.8	62.5	131.8	70.2	60.2	53.3
„ 22,.....	.360	.314	.338	62.7	66.0	64.7	110.0	71.2	58.5	55.7
„ 23,.....	.336	.282	.305	60.8	62.0	60.8	115.9	64.7	58.7	57.4
„ 24,.....	.345	.280	.308	66.1	69.0	63.8	122.3	70.2	60.8	59.3
„ 25,.....	.356	.305	.322	64.7	65.4	61.7	124.4	69.2	60.9	60.5
„ 26,.....	.396	.335	.320	63.2	65.7	64.3	122.5	69.5	60.3	57.4
„ 27,.....	.379	.280	.317	62.8	64.6	61.5	123.3	65.3	60.2	58.0
„ 28,.....	.324	.279	.320	64.7	64.8	62.8	127.7	66.2	61.1	58.3
„ 29,.....	.350	.281	.292	66.7	67.8	66.4	125.8	68.3	62.8	62.4
„ 30,.....	.365	.332	.379	68.7	68.9	62.5	123.4	70.9	58.2	54.3
.....	...	...	...	...	...	...	...	...	...	...
Mean,.....	28.263	28.206	28.228	65.8	67.4	64.6	124.3	69.3	62.0	59.5

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND VICTORIA PEAK.

Date. 1888.	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,.....	61	65	81	85	80	76	0.567	0.625	0.655	0.620	0.624	0.529
„ 2,.....	61	65	56	78	78	80	.587	.668	.505	.595	.617	.581
„ 3,.....	53	56	66	74	72	83	.507	.510	.520	.530	.550	.567
„ 4,.....	56	69	81	74	80	80	.506	.599	.630	.542	.622	.566
„ 5,.....	70	68	85	86	82	88	.593	.584	.644	.584	.600	.558
„ 6,.....	73	77	77	84	89	87	.623	.627	.621	.571	.606	.550
„ 7,.....	71	75	69	87	94	93	.592	.593	.563	.559	.575	.551
„ 8,.....	70	79	78	91	95	88	.554	.618	.636	.549	.585	.540
„ 9,.....	74	77	85	88	81	87	.613	.652	.690	.603	.541	.552
„ 10,.....	85	71	73	98	88	88	.625	.559	.528	.599	.537	.523
„ 11,.....	58	56	67	81	76	83	.481	.483	.452	.497	.537	.508
„ 12,.....	63	59	65	83	81	84	.474	.497	.461	.502	.541	.510
„ 13,.....	59	57	69	90	81	85	.467	.446	.440	.549	.530	.478
„ 14,.....	65	71	78	89	87	80	.497	.553	.555	.522	.559	.465
„ 15,.....	70	74	80	94	89	95	.562	.564	.584	.569	.583	.564
„ 16,.....	65	71	81	88	82	84	.529	.557	.592	.562	.567	.531
„ 17,.....	76	73	84	94	81	91	.633	.648	.691	.593	.583	.587
„ 18,.....	90	78	79	100	99	99	.665	.611	.617	.602	.595	.589
„ 19,.....	84	67	90	99	87	98	.660	.615	.672	.606	.620	.627
„ 20,.....	69	66	85	89	73	91	.604	.580	.624	.584	.536	.541
„ 21,.....	50	58	48	80	72	59	.416	.478	.338	.538	.484	.336
„ 22,.....	46	47	54	63	60	55	.320	.349	.322	.356	.384	.337
„ 23,.....	66	65	62	78	81	81	.426	.438	.426	.417	.452	.434
„ 24,.....	50	66	80	72	73	82	.400	.532	.551	.462	.518	.488
„ 25,.....	67	70	75	83	84	88	.512	.526	.550	.508	.531	.486
„ 26,.....	62	69	79	86	83	79	.468	.511	.574	.498	.527	.475
„ 27,.....	69	69	75	91	83	89	.522	.507	.559	.522	.509	.485
„ 28,.....	69	75	81	83	83	79	.530	.566	.617	.511	.510	.454
„ 29,.....	69	69	85	84	88	90	.575	.580	.621	.551	.601	.585
„ 30,.....	60	57	59	80	78	74	.544	.481	.370	.563	.553	.419
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean, ...	66	67	74	85	82	84	0.535	0.552	0.554	0.542	0.553	0.514

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
1888.												
Nov. 1, ...	0	...	...	0	...	...	2	c-str.	...	1	c-str. / cum.	...
„ 2, ...	0	...	...	0	...	...	9	sm-cum. / R-cum.	W	8	c-cum.	W
„ 3, ...	0	...	...	3	cum.	...	9	sm-cum. / cum.	WSW	2	sm-cum. / cum.	W / ....
„ 4, ...	2	cum.	W	8	cum.	...	8	sm-cum.	W	1	sm-cum.	W
„ 5, ...	7	cum.	...	9	sm-cum. / cum.	E	9	sm-cum. / cum.	W / E	10	str-cum.	N
„ 6, ...	0	...	...	9	cum.	E	8	c-cum. / cum.	W / E	10	sm-cum. / cum.	W / SE
„ 7, ...	10	cum.	E	8	cum.	E	9	sm-cum. / cum.	W / E	5	c-cum. / cum.	W / E
„ 8, ...	9	cum.	NW	10	cum.	...	8	c-str. / sm-cum. / cum.	W / W / E	6	c-cum. / cum.	W / E
„ 9, ...	8	cum.	E	10	c-str. / cum.	ENE	10	c-str. / cum.	W / E	7	c-str. / c-cum. / cum.	W / W / E
„ 10, ...	10	cum.	E	9	cum.	ENE	10	sm-cum. / cum.	W / E	10	nim.	NE
„ 11, ...	9	cum.	NW	7	sm-cum. / cum.	N	9	sm-cum. / cum.	W / N	2	c-cum. / cum.	SE / N
„ 12, ...	7	cum.	E	9	cum.	ENE	10	str-cum.	E	4	cum.	SSW
„ 13, ...	9	cum.	E	10	str-cum.	...	2	cum.	...	6	sm-cum.	SW
„ 14, ...	0	...	...	3	cum.	E	2	sm-cum. / cum.	S / E	6	sm-cum. / cum.	SSE / ENE
„ 15, ...	10	R-cum.	ENE	10	R-cum.	ENE	10	R-cum.	E	1	sm-cum. / cum.	E
„ 16, ...	10	cum.	E	8	cum.	...	1	cum.	E	1	cum.	NNE
„ 17, ...	0	...	...	0	...	...	0	...	...	1	cum.	E
„ 18, ...	10	cum.	SE	10	str-cum.	E	10	nim.	E	10	cum-nim.	NE
„ 19, ...	10	cum.	...	10	cum.	...	10	nim.	W	10	cum.	W
„ 20, ...	0	...	...	0	...	...	0	...	...	1	cum.	N
„ 21, ...	8	cum.	N	6	cum.	N	0	...	...	0	...	...
„ 22, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 23, ...	0	...	...	0	...	...	0	...	...	1	cum.	SE
„ 24, ...	9	cum.	S	9	cum.	...	2	c-cum.	W	1	c-cum.	W
„ 25, ...	1	cum.	...	9	cum.	...	1	cum.	E	0	...	...
„ 26, ...	10	cum.	NE	9	cum.	NE	1	cum.	E	2	cum.	ENE
„ 27, ...	9	cum.	ENE	7	cum.	...	3	cum. / cum.	NE / SE	1	cum.	E
„ 28, ...	9	cum.	ENE	8	cum.	ENE	6	sm-cum. / cum.	S / E	7	sm-cum.	SW
„ 29, ...	9	cum.	E	7	cum.	...	7	sm-cum. / R-cum.	S / SE	9	cum.	SSE
„ 30, ...	0	...	...	0	...	...	0	...	...	0	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...
Mean, ...	5.5	...	...	6.3	...	...	5.2	...	...	4.1	...	...

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	
1888.													
Nov. 1,.....	2	cum.	...	3	c-str. / cum.	N	0	...	...	0	...	...	1.0
„ 2,.....	3	sm-cum. / cum.	W / NNE	7	sm-cum. / cum.	W / N	0	...	...	9	str.	...	4.5
„ 3,.....	10	sm-cum. / cum.	W / W	8	c-cum. / cum.	W / W	10	str-cum.	W	9	cum.	W	6.4
„ 4,.....	2	sm-cum. / cum.	W / E	2	c-str. / sm-cum.	W / N	4	c-str. / sm-cum.	...	2	cum.	...	3.6
„ 5,.....	4	sm-cum. / cum.	W / NNE	7	c-cum. / cum.	W / NW	9	sm-cum. / cum.	...	2	cum.	...	7.1
„ 6,.....	9	sm-cum. / cum.	W / E	10	sm-cum. / cum.	W / NW	10	str-cum.	...	10	cum.	E	8.2
„ 7,.....	10	cum.	E	9	sm-cum. / cum.	W / E	10	cum.	W	10	cum.	W	8.9
„ 8,.....	9	sm-cum. / cum.	W / E	10	str-cum. / cum.	W / E	2	cum.	E	5	cum.	E	7.4
„ 9,.....	8	c-str. / sm-cum.	W / W	9	c-str.	W	9	c-str.	W	7	sm-cum. / cum.	W / E	8.5
„ 10,.....	10	c-str. / cum.	W / NE	10	str-cum.	W	9	sm-cum. / str-cum.	W / W	10	sm-cum. / cum.	W / W	9.8
„ 11,.....	1	cum.	NE	6	c-cum. / cum.	N	7	c-cum. / cum.	W / E	1	sm-cum.	W	5.2
„ 12,.....	1	sm-cum. / cum.	SSW / E	8	sm-cum.	NNE	0	...	...	0	...	...	4.9
„ 13,.....	8	sm-cum. / cum.	SW / NNE	0	...	...	0	...	...	0	...	...	4.4
„ 14,.....	8	cum.	NE	6	cum.	N	0	...	...	2	cum.	E	3.4
„ 15,.....	4	cum.	N	6	cum.	N	0	...	...	1	cum.	ENE	5.3
„ 16,.....	1	cum.	N	0	...	...	0	...	...	0	...	...	2.6
„ 17,.....	6	sm-cum.	S	8	sm-cum.	SSE	9	sm-cum. / cum.	SSE	10	cum.	SSE	4.2
„ 18,.....	10	str. / cum-nim.	ENE	10	str-cum.	E	10	str-cum.	E	10	cum.	WSW	10.0
„ 19,.....	2	sm-cum. / cum.	W	4	c-cum. / sm-cum. / cum.	W / WNW / W	0	...	...	0	...	...	5.8
„ 20,.....	2	cum.	N	3	cum.	N	0	...	...	1	cum.	N	0.9
„ 21,.....	7	cum.	NNW	2	sm-cum. / cum.	W / NNW	0	...	...	0	...	...	2.9
„ 22,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 23,.....	3	cum.	E	7	cum.	E	10	str-cum.	E	9	cum.	S	3.7
„ 24,.....	0	...	...	0	...	...	0	...	...	0	...	...	2.6
„ 25,.....	1	cum.	E	1	cum.	...	0	...	...	9	cum.	E	2.8
„ 26,.....	1	cum.	NE	1	cum.	...	0	...	...	9	cum.	NE	4.1
„ 27,.....	1	cum.	E	0	...	...	0	...	...	7	cum.	E	3.5
„ 28,.....	0	...	...	4	sm-cum.	S	8	cum.	E	5	cum.	E	5.9
„ 29,.....	4	sm-cum.	W	1	sm-cum.	W	0	...	...	0	...	...	4.6
„ 30,.....	2	cum.	E	4	R-cum.	E	8	cum.	E	2	cum.	...	2.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean,.....	4.3	...	...	4.9	...	...	3.8	...	...	4.3	...	...	4.8

DECEMBER, 1888.

Fog (slight)—4th, 5th and 9th.

Dew—4th, 5th, 20th, 21st, 22nd, 30th and 31st.

The total distance traversed 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	959	115	8.3
NE	1594	136	11.7
E	5700	367	15.5
SE	245	29	8.4
S	29	8	3.6
SW	28	7	4.0
W	202	29	7.0
NW	140	26	5.4
Calm	19	27	0.7

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF DECEMBER, 1888.

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, ...	30.199	30.191	30.186	30.200	30.206	30.217	30.238	30.258	30.274	30.268	30.257	30.236	30.195	30.169	30.163	30.166	30.166	30.176	30.195	30.223	30.226	30.233	30.228	30.205	30,211
„ 2, ...	.195	.169	.149	.145	.146	.152	.172	.185	.189	.179	.179	.147	.100	.065	.046	.038	.039	.046	.058	.082	.081	.074	.068	.059	.115
„ 3, ...	.054	.041	.027	.014	.013	.020	.033	.047	.049	.041	.022	.002	29.966	29.947	29.945	29.947	29.959	29.967	29.982	29.997	.000	29.998	29.987	29.967	.001
„ 4, ...	29.959	29.941	29.926	29.925	29.913	29.930	29.950	29.974	29.990	29.992	29.988	29.961	.931	.916	.915	.915	.921	.927	.938	.945	29.952	.959	.955	.952	29.945
„ 5, ...	.947	.943	.927	.924	.923	.941	.960	.971	.985	.987	.981	.962	.929	.912	.911	.908	.922	.934	.955	.965	.971	.969	.969	.968	.948
„ 6, ...	.973	.964	.966	.966	.970	.983	30.000	30.025	30.042	30.040	30.027	.999	.962	.940	.934	.945	.966	.983	.995	30.009	30.028	30.033	30.032	30.036	.992
„ 7, ...	30.034	30.030	30.030	30.031	30.035	30.047	.063	.080	.108	.118	.110	30.073	30.044	30.017	30.006	30.011	30.021	30.030	30.037	.053	.061	.064	.055	.038	30.050
„ 8, ...	.029	.016	29.995	29.994	.000	.008	.032	.041	.046	.048	.037	.005	29.967	29.943	29.932	29.931	29.950	29.957	29.962	29.976	29.979	29.983	29.975	29.954	29.990
„ 9, ...	29.945	29.921	.903	.905	29.910	29.911	29.920	29.941	29.954	29.955	29.944	29.925	.884	.863	.858	.858	.863	.879	.896	.912	.925	.928	.926	.920	.910
„ 10, ...	.914	.896	.880	.879	.879	.894	.914	.953	.971	.982	.972	.957	.930	.908	.901	.898	.908	.934	.962	.971	.983	.991	.993	.984	.936
„ 11, ...	.984	.982	.975	.983	.987	30.008	30.029	30.056	30.063	30.065	30.061	30.030	30.004	.979	.970	.971	.987	.986	.997	30.031	30.041	30.041	30.029	30.024	30.012
„ 12, ...	30.017	30.005	.993	.987	.985	29.992	.009	.028	.043	.045	.028	29.994	29.953	.945	.931	.931	.942	.953	.966	29.986	29.999	29.995	29.985	29.967	29.987
„ 13, ...	29.951	29.918	.909	.901	.891	.915	29.962	29.974	29.981	29.968	29.946	.927	.913	.901	.892	.896	.906	.922	.938	.951	.963	.973	.976	.970	.935
„ 14, ...	.968	.959	.952	.957	.958	.970	30.003	30.026	30.050	30.049	30.044	30.010	.974	.959	.947	.951	.962	.976	30.002	30.025	30.045	30.051	30.052	30.051	.998
„ 15, ...	30.045	30.032	30.018	30.018	30.019	30.026	.051	.079	.107	.106	.091	.062	30.026	30.006	.993	.995	30.013	30.029	.041	.051	.059	.074	.064	.044	30.044
„ 16, ...	.053	.023	.031	.026	.032	.037	.070	.083	.099	.105	.086	.070	.059	.048	30.049	30.048	.057	.070	.088	.121	.126	.136	.124	.123	.074
„ 17, ...	.120	.114	.103	.096	.110	.125	.147	.169	.179	.186	.178	.156	.131	.102	.095	.106	.114	.124	.143	.153	.167	.164	.164	.165	.138
„ 18, ...	.154	.147	.143	.138	.143	.154	.163	.186	.207	.207	.195	.162	.130	.109	.099	.108	.120	.131	.153	.162	.176	.173	.168	.159	.154
„ 19, ...	.142	.116	.085	.085	.081	.075	.083	.096	.120	.114	.107	.051	.019	.005	29.995	29.998	29.989	.009	.014	.045	.049	.043	.039	.019	.057
„ 20, ...	29.998	.009	29.978	29.948	29.947	29.962	29.989	.003	.047	.046	.036	.019	29.990	29.977	.964	.966	.990	.004	.022	.042	.058	.062	.071	.063	.008
„ 21, ...	30.045	.043	30.038	30.041	30.043	30.052	30.075	.096	.109	.113	.103	.061	30.030	30.026	30.016	30.019	30.019	.022	.037	.068	.084	.088	.090	.089	.059
„ 22, ...	.090	.093	.093	.093	.098	.102	.111	.113	.155	.144	.108	.081	.054	.029	.018	.019	.033	.054	.066	.071	.092	.105	.118	.114	.086
„ 23, ...	.114	.129	.124	.126	.135	.154	.176	.190	.198	.193	.160	.136	.102	.076	.064	.062	.066	.086	.101	.108	.102	.103	.090	.082	.120
„ 24, ...	.079	.081	.082	.086	.080	.098	.114	.136	.142	.140	.115	.087	.046	.033	.026	.028	.035	.047	.059	.074	.083	.084	.076	.064	.079
„ 25, ...	.058	.053	.049	.043	.047	.054	.069	.083	.084	.083	.063	.040	.002	29.984	29.973	29.977	29.985	29.996	.004	.020	.030	.040	.043	.043	.034
„ 26, ...	.039	.038	.029	.028	.034	.044	.061	.088	.095	.090	.061	.018	29.979	.959	.949	.956	.978	.990	.018	.035	.049	.051	.051	.044	.028
„ 27, ...	.032	.012	.005	29.991	29.995	.012	.029	.050	.051	.042	.019	.005	.987	.967	.957	.951	.967	.968	29.978	.005	.024	.032	.034	.032	.006
„ 28, ...	.035	.021	.016	30.022	30.033	.048	.070	.089	.100	.105	.073	.038	30.027	30.010	30.003	.993	.995	.999	30.015	.028	.034	.034	.038	.034	.036
„ 29, ...	.026	.021	.019	.013	.003	.007	.028	.035	.046	.045	.024	29.992	29.951	29.925	29.906	.896	.906	.915	29.923	29.936	29.935	29.945	29.944	29.933	29.974
„ 30, ...	29.914	29.898	29.902	29.890	29.893	29.904	29.920	29.937	29.947	29.946	29.922	.889	.852	.833	.814	.808	.812	.826	.836	.853	.861	.866	.860	.855	.877
„ 31, ...	.848	.840	.834	.829	.834	.852	.872	.888	.891	.907	.889	.860	.828	.802	.798	.797	.800	.807	.823	.837	.850	.863	.869	.873	.845
Hourly Means, ...	30.031	30.021	30.012	30.009	30.011	30.022	30.042	30.061	30.075	30.074	30.059	30.031	29.999	29.979	29.970	29.971	29.980	29.992	30.007	30.024	30.033	30.037	30.035	30.027	30.021

TABLE II.

TEMPERATURE FOR THE MONTH OF DECEMBER, 1888.

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,	63.1	62.4	61.7	60.7	61.9	62.3	60.3	62.3	64.9	64.9	66.8	67.3	67.9	66.9	65.8	65.1	64.9	64.9	65.3	65.1	65.2	65.9	65.6	65.2	64.4	67.9	60.3
„ 2,	64.6	65.0	63.3	63.9	63.3	62.8	62.0	63.7	64.3	65.9	66.4	68.8	69.0	70.1	70.0	70.0	68.7	69.5	68.4	67.6	68.1	66.9	66.7	66.9	66.5	70.1	62.0
„ 3,	66.3	66.9	67.0	66.7	66.7	66.4	66.8	67.7	69.6	69.8	70.2	70.6	70.7	70.1	70.0	70.1	69.7	70.0	70.0	70.3	70.2	70.0	70.1	69.2	69.0	70.9	66.3
„ 4,	69.5	68.5	69.2	68.7	68.4	68.6	69.1	69.9	71.5	71.8	74.1	75.0	74.1	73.1	73.2	72.8	71.6	71.9	71.2	70.5	69.7	69.5	69.2	68.9	70.8	75.2	68.4
„ 5,	69.1	69.3	68.9	68.2	67.6	67.4	67.8	69.7	72.7	73.0	73.1	72.3	72.7	71.9	71.6	70.8	70.1	69.9	70.0	70.0	69.8	69.1	68.8	68.5	70.1	73.1	67.2
„ 6,	68.1	68.3	68.1	68.1	68.2	67.9	68.1	68.9	69.9	70.8	70.8	71.1	71.0	71.0	70.7	69.4	68.9	68.8	68.9	68.9	69.1	68.1	67.3	67.6	69.1	71.7	67.2
„ 7,	66.9	66.1	65.8	65.9	66.3	64.6	65.5	67.1	67.8	67.8	68.5	68.4	68.1	67.7	67.7	67.7	67.0	66.9	67.0	66.9	67.7	67.7	67.8	67.2	67.1	68.5	64.6
„ 8,	66.9	66.3	66.0	65.9	65.5	65.2	64.9	66.9	68.0	69.6	70.1	69.6	69.5	69.0	69.2	66.6	65.0	65.9	67.8	67.9	67.9	66.9	66.8	66.9	67.3	70.1	64.3
„ 9,	66.7	66.6	66.9	67.2	67.4	67.5	68.1	68.9	69.7	69.6	70.1	69.6	69.4	68.9	68.8	68.9	67.7	67.9	68.0	68.1	68.1	68.1	69.0	69.0	68.3	70.2	66.3
„ 10,	69.7	70.5	70.2	70.7	71.1	71.6	71.8	71.6	72.0	72.9	74.6	73.0	72.7	73.8	74.7	73.8	73.4	72.1	72.0	71.2	71.3	71.3	70.8	70.4	72.0	74.7	69.0
„ 11,	69.8	69.4	70.1	70.1	70.1	70.1	70.8	70.9	71.6	72.2	71.6	71.6	71.4	71.5	71.1	70.8	70.0	69.9	70.0	70.1	70.1	70.0	69.7	69.4	70.5	72.2	69.4
„ 12,	69.0	68.9	67.9	66.6	66.9	66.7	66.2	65.9	67.0	67.6	67.5	67.5	67.4	67.4	68.0	67.9	67.9	67.9	67.9	68.5	66.7	66.9	67.0	66.9	67.4	69.4	65.9
„ 13,	66.9	67.0	67.1	67.2	66.9	66.9	67.0	67.2	68.7	69.2	71.1	70.8	68.4	68.6	68.5	68.8	68.7	68.3	67.9	68.0	68.9	69.1	68.2	67.7	68.2	71.4	66.8
„ 14,	67.5	66.2	65.4	64.7	63.2	62.1	62.0	63.1	65.0	65.9	68.2	68.7	68.9	69.0	69.0	68.6	67.8	67.0	67.2	67.6	67.7	67.8	67.5	67.5	66.6	69.3	61.4
„ 15,	66.6	66.6	66.5	65.9	65.2	64.6	64.9	66.0	66.4	67.0	67.6	68.0	67.9	68.2	67.8	67.0	66.2	66.7	66.9	66.8	66.9	67.0	66.5	66.1	66.6	68.4	64.1
„ 16,	66.1	65.7	65.6	65.6	65.2	64.9	64.9	65.1	64.9	66.2	68.1	66.9	67.0	66.7	66.5	66.0	65.0	63.5	63.9	63.4	62.9	63.9	64.6	64.4	65.3	68.8	62.8
„ 17,	63.8	63.2	61.7	62.9	61.0	60.9	60.9	62.2	63.0	64.7	65.1	64.8	64.1	64.7	66.0	65.0	64.9	64.9	65.2	64.9	66.3	65.6	65.2	64.8	64.0	66.3	60.6
„ 18,	64.5	65.6	63.6	62.7	62.9	63.5	63.7	64.8	64.1	66.2	66.3	67.7	67.6	67.9	67.9	68.0	66.1	65.1	64.9	64.0	63.0	63.7	63.3	62.6	65.0	68.0	62.4
„ 19,	62.2	62.5	62.2	63.4	62.8	63.5	63.8	62.9	63.9	64.9	65.5	64.9	64.9	64.1	62.9	62.4	62.3	61.3	62.5	61.1	61.5	61.9	61.5	61.4	62.9	65.5	60.8
„ 20,	61.2	60.5	59.6	60.8	59.4	58.0	58.0	57.9	56.9	58.0	58.1	58.6	58.0	59.0	58.1	59.0	58.0	57.0	57.0	57.9	57.1	56.7	56.5	55.9	58.2	61.6	55.8
„ 21,	55.6	54.6	54.6	53.7	53.5	54.3	53.9	55.2	57.1	58.9	61.0	61.7	62.6	64.5	64.1	63.6	61.0	59.9	60.0	58.7	59.7	59.5	58.3	58.7	58.5	64.5	53.5
„ 22,	56.8	55.7	54.9	55.0	54.8	54.5	54.8	59.8	60.9	62.8	63.9	64.0	64.6	64.8	64.0	63.6	61.9	60.8	60.7	60.8	59.2	59.0	58.2	58.1	59.7	65.0	54.2
„ 23,	56.7	56.6	56.3	56.1	56.5	57.3	56.7	58.8	60.8	62.9	64.0	65.6	65.7	65.8	65.9	64.1	63.0	62.7	62.0	61.4	61.5	62.9	62.8	63.0	61.2	66.0	54.9
„ 24,	62.6	62.6	62.7	62.1	62.0	61.2	60.0	60.7	61.4	62.9	64.1	64.7	65.8	64.0	63.9	63.5	62.8	62.7	62.5	63.1	62.7	61.8	61.7	61.6	62.6	66.2	59.6
„ 25,	61.5	61.8	62.8	62.9	62.5	62.3	61.8	63.2	64.9	66.5	67.4	67.8	67.9	68.8	68.8	66.8	65.2	65.0	65.6	65.4	64.5	63.7	63.1	62.3	64.7	68.8	61.5
„ 26,	62.5	61.5	61.3	59.7	60.3	59.8	58.7	61.6	61.8	62.9	63.9	65.2	66.1	65.6	66.0	64.0	63.0	62.0	61.2	60.9	59.5	59.8	59.7	59.2	61.9	66.9	58.7
„ 27,	58.6	57.1	56.2	55.2	54.8	54.0	53.7	57.1	59.8	61.9	63.3	64.5	64.6	65.1	65.0	64.1	62.7	60.8	60.9	60.8	59.7	59.3	58.2	59.0	59.8	65.1	53.4
„ 28,	58.7	59.0	58.4	57.8	56.9	55.5	55.6	58.9	61.7	62.7	63.8	64.6	64.8	64.7	64.8	63.9	62.2	61.9	61.5	60.8	60.0	60.7	59.5	58.1	60.7	64.8	55.0
„ 29,	57.2	59.5	60.3	60.4	59.4	59.7	58.9	60.6	63.5	63.0	64.1	64.5	64.1	64.8	65.8	64.7	63.5	62.7	62.0	61.9	62.6	61.9	61.4	62.3	62.0	66.0	57.1
„ 30,	61.4	60.4	60.6	62.0	61.3	60.6	61.7	62.7	63.9	65.9	67.4	67.1	66.7	66.0	65.9	64.9	63.9	63.5	63.0	62.5	61.6	61.9	61.7	62.3	63.3	67.4	60.3
„ 31,	63.2	63.3	63.4	62.9	63.0	62.9	63.8	65.0	65.6	66.8	67.0	66.4	66.0	66.8	67.1	66.3	65.7	64.8	64.9	65.0	64.9	65.1	65.2	65.2	65.0	67.4	62.3
Hourly Means,	64.0	63.8	63.5	63.3	63.1	62.8	62.8	64.1	65.3	66.3	67.2	67.5	67.4	67.4	67.4	66.7	65.8	65.4	65.4	65.2	65.0	64.9	64.6	64.4	65.1	68.4	61.8

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION, FOR THE MONTH OF DECEMBER, 1888.

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,	57.2	56.1	55.0	54.7	56.0	56.5	54.8	56.0	57.5	57.2	59.0	59.9	60.2	60.0	58.9	59.0	59.4	59.3	59.9	59.4	59.7	59.8	59.7	59.4	58.1	133.6	57.5
„ 2,	59.2	58.9	57.6	58.3	57.7	56.7	55.7	56.9	57.6	57.8	58.2	58.7	59.1	60.2	59.9	59.5	58.7	58.8	58.2	59.1	58.2	58.5	58.4	58.9	58.4	132.8	59.3
„ 3,	58.9	59.8	59.9	60.2	60.5	60.6	60.8	61.6	62.9	62.8	62.9	62.7	63.9	63.8	63.7	64.6	64.1	64.8	65.0	65.3	65.5	66.0	65.9	65.7	63.0	133.4	60.3
„ 4,	65.8	65.8	66.2	66.0	66.1	66.2	66.9	66.9	67.5	67.7	68.7	68.8	68.9	68.1	68.5	67.9	67.7	67.9	68.0	67.5	66.9	66.8	66.8	66.7	67.3	123.5	64.4
„ 5,	66.5	66.9	66.1	65.3	65.4	65.3	65.6	66.7	67.7	67.9	67.9	68.7	68.3	67.7	67.1	67.1	66.9	66.6	66.9	66.9	66.8	66.6	66.4	66.2	66.8	138.3	61.2
„ 6,	66.1	66.1	66.2	66.3	66.1	65.9	65.5	65.9	66.2	66.3	66.0	65.9	65.9	65.7	65.2	64.9	64.5	63.9	64.0	64.0	64.2	64.1	63.2	63.8	65.2	131.8	64.0
„ 7,	62.9	62.4	61.5	62.2	61.9	61.2	61.5	62.2	62.7	61.8	61.4	62.0	61.9	61.9	62.1	61.8	61.0	60.9	60.7	60.8	61.7	61.5	61.9	61.4	61.7	127.8	58.4
„ 8,	61.4	61.1	61.0	60.3	59.8	59.9	59.8	60.2	60.7	60.2	62.2	62.0	62.6	62.0	63.1	61.8	62.1	63.0	63.0	63.2	63.9	64.1	64.6	64.7	61.9	129.5	61.0
„ 9,	64.5	64.4	64.2	64.8	65.0	64.9	65.7	66.8	67.0	67.1	67.8	67.6	67.6	67.8	67.8	67.9	67.0	66.9	66.9	67.0	67.2	67.1	67.2	66.6	66.5	96.0	62.8
„ 10,	66.7	66.6	66.4	66.9	66.9	67.0	66.9	67.7	68.0	68.2	69.6	69.0	68.8	68.7	68.4	67.7	67.7	68.0	68.9	68.9	68.9	69.0	68.8	67.9	68.0	123.5	66.7
„ 11,	67.2	67.3	67.2	67.1	66.9	66.9	67.3	67.8	68.1	68.4	68.5	67.3	67.0	67.0	66.7	66.7	66.6	66.5	66.4	66.8	66.8	66.1	66.1	66.0	67.0	138.3	67.5
„ 12,	66.0	65.7	65.6	65.0	65.1	64.4	65.0	64.9	65.8	65.3	65.6	65.8	65.9	65.9	65.8	65.5	65.4	65.9	65.8	65.7	65.7	65.9	65.9	66.1	65.6	94.4	64.2
„ 13,	65.9	66.0	65.9	66.1	66.1	66.3	66.1	66.8	67.0	67.4	68.3	67.7	67.1	67.1	67.0	67.2	67.2	67.1	67.1	67.6	67.5	67.7	65.6	64.0	66.7	118.2	65.3
„ 14,	64.4	61.8	60.4	59.7	59.1	58.4	57.9	58.0	59.9	59.9	62.0	62.1	62.8	62.3	62.4	63.1	63.0	62.9	63.0	63.9	63.8	63.6	63.8	63.7	61.7	117.1	55.5
„ 15,	63.4	62.9	63.0	62.6	62.2	61.9	61.9	62.2	62,1	62.4	63.0	62.9	62.9	63.8	63.2	63.0	62.1	62.2	62.2	62.0	61.6	61.6	61.9	61.9	62.5	129.8	61.4
„ 16,	61.2	60.6	60.8	60.4	60.1	59.3	58.6	57.1	58.7	59.8	60.3	59.6	59.4	60.3	60.2	59.3	60.5	60.2	60.4	60.5	60.3	60.9	60.5	59.7	59.9	122.1	60.3
„ 17,	59.8	59.5	59.4	59.6	59.1	58.9	58.9	59.8	60.0	60.8	61.1	60.7	60.7	60.9	61.8	60.8	60.5	60.1	62.1	63.0	62.9	62.5	62.3	62.3	60.7	116.9	59.1
„ 18,	62.2	60.9	61.0	60.8	60.8	60.5	59.9	60.8	60.9	62.0	62.1	62.4	62.4	62.8	62.9	62.5	61.9	61.5	61.9	62.2	61.9	61.9	62.2	61.8	61.7	117.1	60.2
„ 19,	61.7	61.8	61.4	61.9	61.6	61.3	61.9	61.7	61.9	62.0	62.6	62.0	62.0	61.7	60.9	60.7	60.7	60.3	60.5	59.9	60.8	60.8	60.2	59.7	61.2	80.4	59.2
„ 20,	58.9	58.7	*57.9	*58.9	*57.7	*56.5	56.6	56.0	54.1	54.8	55.1	54.9	54.9	55.6	55.3	55.4	54.0	53.0	52.9	52.9	52.3	51.8	51.2	50.6	55.0	93.3	50.4
„ 21,	49.8	48.8	48.6	48.1	48.1	47.1	48.0	49.0	50.5	51.8	52.7	53.5	52.9	52.9	52.0	51.6	51.1	51.0	51.2	51.2	49.5	48.7	48.4	48.8	50.2	125.6	46.2
„ 22,	49.7	50.9	49.9	50.1	51.0	50.8	50.9	51.1	51.9	54.3	54.6	54.7	54.9	56.3	56.6	55.7	55.1	55.0	54.3	54.6	54.7	55.2	54.5	54.2	53.4	125.4	44.5
„ 23,	53.9	53.8	53.8	53.7	49.8	49.0	48.9	50.6	51.7	53.9	54.9	54.8	54.7	55.0	55.0	55.3	55.8	55.7	55.0	55.3	55.8	57.0	56.7	56.4	54.0	126.5	46.1
„ 24,	55.4	56.0	56.7	56.4	56.2	55.6	54.3	54.8	53.9	54.2	53.9	55.0	54.7	56.2	55.3	55.6	55.3	55.2	56.0	56.1	56.0	56.3	56.4	56.8	55.5	127.2	57.9
„ 25,	57.2	57.2	57.9	57.7	57.4	57.6	57.6	58.7	58.9	58.7	59.6	59.7	59.2	60.9	60.9	60.6	58.9	58.0	55.7	55.0	57.3	56.3	55.3	53.9	57.9	126.1	52.4
„ 26,	53.0	52.4	*52.4	*51.4	*51.9	*51.6	50.9	52.7	51.8	51.0	51.9	53.3	55.4	54.0	54.6	54.0	54.0	53.9	51.3	51.4	52.6	50.8	47.9	48.8	52.2	125.4	48.7
„ 27,	49.5	50.5	50.3	50.9	50.5	49.5	48.9	52.0	52.8	53.6	52.0	53.2	53.0	53.5	53.4	53.0	52.2	51.2	53.9	53.9	53.2	53.0	52.6	53.6	52.1	125.0	45.1
„ 28,	53.9	54.4	54.5	53.3	52.8	52.5	52.3	53.6	54.7	55.1	55.7	56.3	57.5	56.7	57.0	56.8	56.3	55.9	56.7	56.3	56.0	56.0	55.5	55.6	55.2	124.7	47.2
„ 29,	55.0	55.9	56.2	56.6	55.8	55.2	54.9	55.5	57.7	57.2	56.2	56.4	56.7	56.7	56.9	57.0	56.7	56.1	57.8	57.0	57.3	57.6	57.9	58.2	56.6	127.7	49.5
„ 30,	58.1	57.8	58.0	58.0	57.3	56.7	57.1	57.3	57.9	58.0	58.2	59.2	58.3	59.0	59.3	58.9	59.0	58.5	58.2	57.8	58.0	59.0	59.3	60.2	58.3	137.0	55.3
„ 31,	60.7	61.2	61.2	61.1	61.2	61.1	61.8	62.3	62.7	63.2	63.7	63.5	63.1	63.9	64.3	63.9	63.7	63.5	63.7	63.7	63.8	63.9	64.1	64.1	62.9	133.2	58.2
Hourly Means,	59.9	59.7	59.6	59.5	59.2	58.9	58.8	59.5	60.0	60.3	60.8	61.0	61.1	61.2	61.2	60.9	60.6	60.4	60.6	60.6	60.7	60.6	60.4	60.2	60.2	122.6	57.1

* Interpolated.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF DECEMBER, 1888.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1888.		
1 a.	78	0.470	Dec. 1,.....	66	0.402
2 „	78	.466	„ 2,.....	59	.383
3 „	78	.467	„ 3,.....	70	.497
4 „	79	.467	„ 4,.....	83	.623
5 „	78	.460	„ 5,.....	84	.614
6 „	78	.455	„ 6,.....	80	.571
7 „	78	.451	„ 7,.....	72	.479
8 „	75	.456	„ 8,.....	72	.483
9 „	72	.456	„ 9,.....	91	.628
10 „	68	.452	„ 10,.....	81	.633
11 „	67	.456	„ 11,.....	83	.616
Noon.	67	.458	„ 12,.....	91	.608
1 p.	68	.463	„ 13,.....	92	.636
2 „	68	.466	„ 14,.....	74	.486
3 „	68	.466	„ 15,.....	78	.513
4 „	70	.466	„ 16,.....	71	.446
5 „	72	.469	„ 17,.....	82	.488
6 „	73	.467	„ 18,.....	82	.508
7 „	74	.473	„ 19,.....	91	.519
8 „	75	.476	„ 20,.....	80	.392
9 „	77	.482	„ 21,.....	51	.255
10 „	77	.480	„ 22,.....	63	.326
11 „	77	.478	„ 23,.....	59	.323
Midt.	77	.474	„ 24,.....	61	.348
			„ 25,.....	64	.392
			„ 26,.....	47	.264
			„ 27,.....	56	.289
			„ 28,.....	68	.364
			„ 29,.....	69	.389
			„ 30,.....	72	.422
			„ 31,.....	89	.547
Mean, ...	74	0.466	Mean,.....	74	0.466

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.
1888.														
Dec. 1,	...	0.2	0.9	0.5	1.0	1.0	0.9	0.8	0.7	...	0.1	0.2	...	6.3
„ 2,	...	...	0.2	0.1	...	...	...	0.2	0.9	...	...	...	...	1.4
„ 3,	...	...	0.2	0.3	1.0	1.0	0.9	0.2	...	...	...	...	...	3.6
„ 4,	...	...	...	...	...	0.1	0.3	0.1	0.1	...	...	...	...	0.6
„ 5,	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.3	...	9.4
„ 6,	...	...	0.1	0.7	1.0	1.0	1.0	1.0	1.0	1·0	0.9	0.1	...	7.8
„ 7,	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.4
„ 8,	...	...	0.3	0.9	1.0	0.5	0.5	0.4	0.1	...	...	...	...	3.7
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	0.1	...	0.2	0.5	...	0.8
„ 11,	...	...	...	0.1	0.7	0.5	1.0	0.7	0.7	0.5	...	...	...	4.2
„ 12,	...	...	...	0.1	...	...	...	...	...	...	...	...	...	0.1
„ 13,	...	...	...	...	...	0.1	...	...	...	0.1	...	...	...	0.2
„ 14,	...	...	...	0.1	...	...	...	...	...	...	0.3	...	...	0.4
„ 15,	...	...	...	...	0.1	0.1	0.8	1.0	1.0	0.9	0.6	...	...	4.5
„ 16,	...	...	...	...	0.3	0.5	...	...	...	...	...	...	...	0.8
„ 17,	...	...	...	...	...	...	...	...	...	0.2	0.1	...	...	0.3
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	0.2	0.2	...	0.4
„ 21,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.8
„ 22,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.9
„ 23,	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.9
„ 24,	...	...	...	...	0.5	0.8	0.9	1.0	1.0	1.0	0.7	...	...	5.9
„ 25,	...	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	8.8
„ 26,	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.6
„ 27,	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	9.3
„ 28,	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	9.4
„ 29,	...	0.3	1.0	0.9	...	...	0.3	1.0	1.0	1.0	1.0	0.4	...	6.9
„ 30,	...	...	0.6	0.6	...	0.7	0.8	1.0	1.0	1.0	1.0	0.5	...	7.2
„ 31,	...	...	0.6	0.5	1.0	0·8	0.1	0.8	1.0	1.0	0.9	0.5	...	7.2
Sums,.....	...	3.3	12.4	13.8	15.6	16.1	16.5	17.2	17.6	15.7	14.7	4.9	...	147.8
Hourly Means, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE VI.

RAINFALL FOR THE MONTH OF DECEMBER, 1888.

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,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·005	0·010	...	...	...	...	0·030	...	0·060	0·105
„ 9,	...	...	...	...	...	...	...	...	...	0·010	0·010	0·025	0·015	0·060	0·050	...	0·035	0·045	...	...	0·010	0·050	0·010	...	0·320
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	0·020	...	...	0·045	0·020	0·010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·095
„ 13,	...	...	...	...	...	...	0·150	0·025	...	...	...	...	0·050	0·045	0·015	...	0·030	...	...	...	...	...	...	...	0·315
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	0·035	...	...	...	...	0·025	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	0·010	0·020	0·095
„ 18,	...	...	0·005	0·005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·095	0·155	0·400	0·085	0·100	0·045	0·890
„ 19,	0·025	0·005	0·010	0·010	0·025	0·040	0·265	0·005	0·005	...	0·010	0·005	0·010	0·015	0·045	0·035	0·090	0·270	0·285	0·025	0·210	0·250	0·015	0·015	1·670
„ 20,	0·050	0·030	0·030	0·075	0·090	0·095	0·145	0·025	0·065	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·605
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0·075	0·035	0·080	0·110	0·115	0·135	0·605	0·100	0·085	0·010	0·020	0·030	0·075	0·120	0·110	0·040	0·165	0·315	0·380	0·180	0·620	0·415	0·135	0·140	4·095

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF DECEMBER, 1888.

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,	1	9	1	13	1	16	32	14	4	9	5	8	32	9	1	8	1	8	6	14	5	20	7	18	7	19	7	23	7	16	7	16	7	16	7	15	8	16	7	17	8	16	6	17	7	22	7	24	363	15.1
" 2,	6	25	6	22	6	22	5	21	5	19	4	14	4	12	4	9	32	7	3	7	1	11	1	9	32	10	31	9	32	11	32	10	1	10	2	7	1	5	32	4	3	7	5	12	7	12	6	10	285	11.9
" 3,	4	6	5	7	5	6	5	7	6	9	8	11	8	12	8	13	7	18	7	18	9	23	7	16	7	13	8	11	8	6	9	7	9	5	10	8	10	2	...	0	...	1	10	3	10	10	10	10	222	9.2
" 4,	10	10	9	8	9	7	...	1	...	0	...	0	...	0	...	0	...	1	9	6	30	2	20	3	24	6	25	12	23	12	23	9	23	6	...	1	23	4	24	8	26	10	25	8	24	5	24	3	122	5.1
" 5,	20	3	...	1	23	8	25	7	27	8	26	7	25	8	23	5	22	5	24	5	9	19	9	24	10	24	9	24	9	23	9	19	9	15	8	13	8	13	7	13	7	10	7	12	7	13	7	12	291	12.1
" 6,	7	10	7	8	7	6	7	5	7	8	7	8	7	9	7	12	9	15	10	17	9	18	9	18	10	20	9	14	9	13	8	19	9	16	8	15	7	12	7	10	7	11	7	10	7	16	7	11	301	12.5
" 7,	7	12	7	10	4	8	6	10	4	10	3	7	4	9	6	14	7	18	7	24	8	26	8	23	9	23	9	20	10	18	10	18	9	11	7	12	7	8	7	8	7	8	6	10	7	17	6	19	343	14.3
" 8,	7	19	6	22	6	22	6	19	5	19	5	17	4	14	5	16	6	19	6	16	9	21	9	18	9	19	9	20	9	21	9	25	6	6	9	7	7	11	7	14	7	19	8	19	9	15	9	13	411	17.1
" 9,	10	9	8	5	10	5	9	9	7	4	...	1	9	3	...	1	...	1	10	6	30	3	28	2	13	4	10	5	10	6	9	11	8	15	7	14	7	13	7	13	8	12	7	13	6	11	8	12	178	7.4
" 10,	7	18	6	15	6	18	5	17	6	15	6	11	7	11	6	10	4	9	4	5	4	6	6	13	7	14	6	15	6	15	7	16	7	11	7	11	8	15	8	13	7	11	7	12	7	17	7	19	317	13.2
" 11,	7	23	7	19	6	18	7	19	7	20	7	21	7	17	7	22	7	22	7	24	8	25	7	29	7	28	8	33	7	30	7	31	7	30	6	31	7	31	6	26	7	32	7	31	7	34	7	35	631	26.3
" 12,	7	29	7	26	7	28	7	30	7	31	7	30	7	29	6	34	6	31	7	28	7	29	7	26	6	27	7	24	7	28	7	26	7	27	7	27	7	26	7	26	7	22	7	22	7	22	7	22	650	27.1
" 13,	7	23	7	22	7	23	7	22	7	24	8	24	32	6	4	3	9	14	8	13	8	14	7	14	8	11	9	8	9	7	9	9	9	7	9	5	27	8	28	3	...	0	27	2	30	8	30	6	276	11.5
" 14,	30	4	32	7	32	9	1	12	1	5	32	6	32	4	1	7	32	11	31	7	20	2	8	3	29	4	29	3	9	8	8	14	7	16	7	16	7	15	7	12	7	9	7	12	6	8	7	11	205	8.5
" 15,	7	12	6	13	5	13	6	11	6	12	7	14	6	12	6	10	7	12	9	11	7	14	7	18	8	18	9	23	9	22	10	24	8	19	8	12	6	12	8	14	7	18	8	19	8	29	8	29	391	16.3
" 16,	7	23	7	25	7	25	6	27	6	26	6	26	6	27	5	24	6	16	6	14	4	15	9	17	7	13	9	18	8	13	8	14	6	12	6	14	5	16	5	6	4	7	5	10	4	21	3	14	423	17.6
" 17,	3	7	2	7	4	6	4	6	32	4	32	5	2	5	2	6	6	17	7	17	5	14	3	10	2	6	6	5	7	10	6	10	6	11	6	13	6	15	7	18	7	22	7	27	7	26	6	17	284	11.8
" 18,	6	13	4	9	2	5	31	5	31	3	1	7	1	7	4	7	1	6	4	5	32	8	1	7	4	4	2	8	2	6	3	6	5	10	3	7	1	5	32	7	1	4	1	7	2	4	2	3	153	6.4
" 19,	1	4	1	4	1	5	6	4	28	6	2	7	6	10	4	5	3	8	4	12	5	13	4	15	4	16	2	12	31	10	32	10	32	11	31	12	32	6	27	4	22	6	28	7	29	5	30	3	195	8.1
" 20,	32	9	29	5	31	6	1	12	32	11	31	4	29	6	28	6	30	9	29	10	29	8	31	10	32	9	5	9	32	13	32	10	31	11	32	6	31	6	4	4	1	7	32	9	32	5	1	10	195	8.1
" 21,	32	10	32	9	32	7	31	7	32	4	32	9	32	4	1	5	1	11	1	7	29	3	27	7	31	10	1	10	31	10	32	12	1	10	1	8	1	11	1	7	2	8	2	11	32	10	1	12	202	8.4
" 22,	3	5	11	2	...	1	11	2	14	3	14	2	14	3	4	7	30	7	7	11	6	14	9	12	14	6	9	7	9	11	9	7	9	4	27	8	27	4	28	2	22	4	17	2	...	1	17	3	128	5.3
" 23,	...	1	17	3	...	1	17	3	1	8	1	11	2	10	2	7	2	6	7	9	7	11	8	15	10	14	10	13	10	9	9	12	9	14	9	11	12	2	...	0	7	2	7	14	7	19	6	19	214	8.9
" 24,	6	24	6	24	5	23	5	23	5	26	5	28	6	26	6	22	5	17	7	8	8	7	10	12	9	18	10	20	9	19	9	19	10	17	7	13	7	9	7	5	7	3	...	1	...	0	10	3	367	15.3
" 25,	...	1	...	1	7	5	7	9	6	2	6	5	4	3	10	3	9	6	10	7	10	4	24	6	23	9	23	11	23	7	9	7	9	6	8	4	32	4	32	3	32	2	...	1	...	1	32	9	116	4.8
" 26,	1	22	1	22	1	24	1	17	2	13	3	15	2	13	2	4	2	13	2	12	2	6	9	4	24	6	24	7	25	7	10	9	22	6	14	7	2	11	6	5	14	2	14	2	2	4	4	5	236	9.8
" 27,	4	5	8	3	...	1	...	1	6	2	2	2	2	4	3	5	6	3	6	7	32	11	23	7	22	7	22	4	15	6	9	9	4	9	4	9	8	9	6	9	4	11	6	8	6	7	5	9	148	6.2
" 28,	5	10	6	11	6	9	4	5	2	6	1	7	32	8	2	5	5	8	8	12	9	13	11	17	10	10	10	8	25	6	23	5	9	9	10	8	10	8	9	9	10	8	8	9	6	5	10	1	197	8.2
" 29,	19	4	6	12	5	12	5	17	6	16	5	18	4	15	6	13	7	16	8	21	8	18	9	17	9	16	10	12	10	9	10	14	8	12	9	12	8	13	7	12	7	14	7	10	8	7	6	9	319	13.3
" 30,	7	12	8	10	10	6	6	9	6	9	7	8	6	9	7	8	9	11	7	15	8	18	8	18	9	17	9	18	8	15	9	17	9	21	8	17	8	12	7	11	7	13	11	10	9	13	7	11	308	12.8
" 31,	7	11	7	11	7	11	7	14	8	19	8	21	8	19	8	21	8	25	9	26	9	28	9	27	9	24	9	20	8	18	7	19	8	18	8	16	8	18	8	15	8	15	8	16	8	16	8	17	445	18.5
Sums,	...	373	...	356	...	356	...	365	...	351	...	354	...	324	...	312	...	370	...	394	...	424	...	435	...	425	...	426	...	405	...	434	...	391	...	359	...	340	...	298	...	314	...	346	...	383	...	381	8916	371.1
Hourly Means,	...	12.0	...	11.5	...	11.5	...	11.8	...	11.3	...	11.4	...	10.5	...	10.1	...	11.9	...	12.7	...	13.7	...	14.0	...	13.7	...	13.7	...	13.1	...	14.0	...	12.6	...	11.6	...	11.0	...	9.6	...	10.1	...	11.2	...	12.4	...	12.3	287.6	12.0

TABLE VIII.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR DECEMBER, 1888.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	3.3	9.2	0.4	0.2	+2.9	+9.0	E 18° N
2 „	3.8	8.5	0.1	0.1	3.6	8.4	E 23° N
3 „	4.8	7.7	0.1	0.3	4.7	7.5	E 32° N
4 „	5.2	7.9	0.1	0.2	5.1	7.7	E 33° N
5 „	4.9	8.0	0.1	0.3	4.8	7.7	E 32° N
6 „	4.8	8.1	0.1	0.2	4.7	7.9	E 30° N
7 „	4.4	7.1	0.1	0.4	4.3	6.7	E 33° N
8 „	4.3	7.3	0.0	0.3	4.2	7.0	E 31° N
9 „	4.3	8.6	0.1	0.3	4.2	8.3	E 27° N
10 „	2.2	10.8	0.3	0.4	1.9	10.5	E 10° N
11 „	3.2	11.3	0.1	0.4	3.1	10.9	E 16° N
Noon.	1.7	11.9	0.6	0.7	1.2	11.2	E 6° N
1 p.	1.9	10.8	1.1	1.0	0.8	9.8	E 5° N
2 „	1.6	11.1	0.7	1.1	0.9	9.9	E 5° N
3 „	1.7	10.0	0.7	1.0	1.1	9.0	E 7° N
4 „	1.6	11.8	0.7	0.5	0.9	11.3	E 5° N
5 „	2.1	10.5	0.3	0.4	1.8	10.1	E 10° N
6 „	2.2	9.6	0.4	0.2	1.8	9.5	E 11° N
7 „	2.4	8.7	0.2	0.4	2.3	8.3	E 15° N
8 „	1.5	8.1	0.0	0.5	1.5	7.6	E 11° N
9 „	1.3	8.5	0.3	0.5	1.1	8.0	E 8° N
10 „	1.9	9.2	0.4	0.5	1.5	8.7	E 10° N
11 „	1.9	10.6	0.1	0.4	1.8	10.3	E 10° N
Midt.	2.8	10.0	0.3	0.2	2.5	9.8	E 14° N
Mean,.....	2.9	9.4	0.3	0.4	+2.6	+9.0	E 17° N

TABLE IX.

DIRECTION AND FORCE OF THE WIND AND RAINFALL AT VICTORIA PEAK, AND RAINFALL AT THE OBSERVATORY.

Date.	10 a.		4 p.		10 p.		Rain.		
	Direction	Force.	Direction	Force.	Direction	Force.	Peak.	Observatory.	Duration.
1888.							ins.	ins.	hrs.
Dec. 1,.....	NE	4	E	4	NE	4	...	...	...
„ 2,.....	NE	3	NE	2	NE	3	...	...	...
„ 3,.....	E	4	E	3	E	3	...	...	...
„ 4,.....	SE	3	SE	2	E	2	...	...	...
„ 5,.....	NE	3	E	3	E	4	...	...	...
„ 6,.....	E	3	E	2	E	4	...	...	...
„ 7,.....	E	4	E	3	E	3	...	...	...
„ 8,.....	E	4	E	3	E	4	0.18	0.115	2
„ 9,.....	E	3	E	3	E	4	0.52	0.310	8
„ 10,.....	E	3	E	4	E	4	0.10	...	...
„ 11,.....	E	5	E	5	E	6	...	0.095	4
„ 12,.....	E	5	E	4	E	4	...	0.175	12
„ 13,.....	ENE	3	ENE	4	NE	4	0.26	0.140	6
„ 14,.....	NNE	3	E	2	E	4	...	...	...
„ 15,.....	E	4	E	3	E	4	...	...	...
„ 16,.....	E	5	E	4	E	4	0.10	0.065	3
„ 17,.....	NE	4	ENE	4	E	4	0.15	0.040	2
„ 18,.....	ENE	4	ENE	4	E	4	1.45	1.270	13
„ 19,.....	E	5	E	4	E	5	2.36	1.885	20
„ 20,.....	ENE	4	N	5	N	4	...	...	...
„ 21,.....	NE	4	NNE	4	NNE	5	...	...	...
„ 22,.....	ENE	4	ENE	3	N	3	...	...	...
„ 23,.....	NE	4	E	3	NE	4	...	...	...
„ 24,.....	E	4	E	3	E	3	...	...	...
„ 25,.....	ENE	3	N	2	NE	4	...	...	...
„ 26,.....	ENE	4	ENE	3	W	4	...	...	...
„ 27,.....	ENE	3	ENE	*3	NE	*3	...	...	...
„ 28,.....	ENE	4	E	2	ENE	4	...	...	...
„ 29,.....	E	4	E	2	E	3	...	...	...
„ 30,.....	E	4	E	3	E	4	...	...	...
„ 31,.....	SE	5	SE	5	E	4	...	...	...
Mean,.....	E 12° N	3.8	E 10° N	3.3	E 17° N	3.8	5.12	4.095	70

* Interpolated.

TABLE X.
VICTORIA PEAK.

Date.	Barometer.			Temperature.						
	10 a.	4 p.	10 p.	10 a.	4 p.	10 p.	Sun.	Max.	Min.	Rad.
1888.	ins.	ins.	ins.	°	°	°	°	°	°	°
Dec. 1,.....	28.435	28.373	28.344	60.0	60.9	58.0	127.7	62.5	56.2	53.3
„ 2,.....	.391	.297	.257	56.5	61.7	58.9	118.9	65.5	56.4	54.4
„ 3,.....	.259	.200	.196	62.1	63.1	60.7	123.3	66.2	58.9	57.5
„ 4,.....	.233	.199	.219	64.7	65.2	63.8	104.0	65.2	56.4	55.0
„ 5,.....	.238	.182	.208	68.5	67.7	64.7	125.5	69.0	61.3	55.1
„ 6,.....	.267	.200	.245	63.7	66.7	61.9	124.4	68.8	61.9	56.3
„ 7,.....	.315	.256	.241	61.7	64.1	61.0	116.7	65.0	60.2	58.3
„ 8,.....	.272	.198	.150	61.2	63.7	61.2	112.3	63.7	59.8	60.3
„ 9,.....	.200	.126	.165	62.9	64.2	62.7	104.0	65.1	61.2	61.3
„ 10,.....	.220	.186	.216	64.4	65.1	62.5	107.8	66.6	61.6	62.4
„ 11,.....	.303	.208	.248	63.7	63.7	62.2	98.0	64.6	61.6	59.3
„ 12,.....	.279	.185	.217	61.7	62.2	61.5	89.2	65.3	61.2	60.3
„ 13,.....	.227	.157	.178	62.7	63.8	62.4	101.8	66.2	61.5	59.3
„ 14,.....	.267	.201	.192	60.0	62.4	59.7	110.1	64.3	59.1	56.4
„ 15,.....	.317	.231	.209	60.2	62.0	59.4	121.2	65.5	58.2	56.3
„ 16,.....	.297	.275	.282	58.4	59.7	57.7	113.9	64.3	56.8	55.5
„ 17,.....	.375	.319	.330	56.8	57.7	56.2	82.8	59.2	56.2	54.4
„ 18,.....	.329	.333	.308	57.7	59.7	56.8	96.1	62.5	56.2	53.1
„ 19,.....	.225	.237	.252	57.2	59.2	56.4	62.2	60.2	52.2	49.4
„ 20,.....	.249	.224	.240	52.4	53.5	51.7	76.3	55.5	47.0	42.5
„ 21,.....	.268	.254	.286	53.7	57.7	51.7	111.7	58.3	49.2	42.7
„ 22,.....	.354	.258	.295	55.1	57.7	54.1	123.4	59.9	51.5	49.3
„ 23,.....	.343	.292	.264	55.2	58.8	54.8	114.7	59.6	51.2	48.5
„ 24,.....	.345	.257	.281	53.7	58.0	54.8	119.4	60.2	51.5	48.8
„ 25,.....	.307	.232	.247	58.2	61.4	56.4	122.7	63.2	54.2	49.4
„ 26,.....	.298	.194	.235	56.2	59.8	55.4	113.6	64.5	53.8	45.5
„ 27,.....	.241	.192	.251	55.8	58.7	53.5	112.3	63.2	53.5	47.4
„ 28,.....	.304	.237	.271	56.0	58.9	55.2	113.1	60.3	52.2	45.5
„ 29,.....	.290	.163	.127	55.7	58.4	55.0	118.9	58.4	52.5	49.3
„ 30,.....	.174	.074	.069	56.8	61.7	58.0	125.4	62.1	53.2	52.4
„ 31.....	.137	.059	.096	60.7	62.4	60.4	122.7	63.9	58.0	58.3
Mean,.....	28.283	28.219	28.230	59.1	61.3	58.3	110.1	63.2	56.3	53.5

TABLE XI.
HUMIDITY AT THE OBSERVATORY AND VICTORIA PEAK.

Date. 1888.	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,.....	59	68	68	74	81	85	0.368	0.420	0.434	0.386	0.433	0.411
„ 2,.....	59	49	57	85	74	80	.372	.370	.381	.388	.406	.400
„ 3,.....	66	73	80	80	87	93	.480	.537	.587	.448	.502	.496
„ 4,.....	80	76	86	95	95	87	.625	.618	.623	.582	.592	.519
„ 5,.....	76	82	87	84	84	89	.615	.616	.621	.585	.571	.543
„ 6,.....	78	77	79	93	84	84	.587	.557	.546	.552	.551	.465
„ 7,.....	70	70	68	94	81	91	.473	.475	.465	.517	.487	.492
„ 8,.....	54	75	85	80	78	90	.398	.490	.562	.432	.461	.489
„ 9,.....	87	95	95	96	99	99	.632	.671	.652	.553	.595	.565
„ 10,.....	77	72	89	98	94	83	.628	.598	.679	.592	.584	.473
„ 11,.....	82	80	80	99	95	98	.645	.602	.591	.588	.565	.551
„ 12,.....	88	87	95	99	99	99	.594	.597	.625	.545	.555	.541
„ 13,.....	91	92	93	99	99	96	.648	.646	.660	.565	.587	.545
„ 14,.....	68	72	78	91	90	95	.437	.506	.533	.474	.508	.490
„ 15,.....	76	79	72	94	93	90	.504	.524	.478	.493	.519	.460
„ 16,.....	66	65	84	84	81	93	.431	.418	.496	.415	.419	.446
„ 17,.....	79	77	83	96	97	96	.482	.478	.526	.446	.463	.434
„ 18,.....	78	72	90	99	93	92	.501	.494	.532	.473	.481	.426
„ 19,.....	84	91	94	91	96	97	.518	.509	.520	.427	.484	.442
„ 20,.....	80	78	70	98	94	83	.389	.393	.322	.384	.387	.321
„ 21,.....	59	39	40	78	62	77	.293	.225	.203	.324	.300	.298
„ 22,.....	54	58	77	72	79	79	.310	.341	.387	.314	.378	.332
„ 23,.....	52	54	67	66	75	75	.298	.322	.388	.287	.373	.323
„ 24,.....	53	58	69	79	76	79	.307	.339	.382	.329	.369	.341
„ 25,.....	61	68	60	80	82	82	.392	.447	.357	.389	.450	.376
„ 26,.....	38	48	49	80	65	70	.218	.286	.253	.365	.333	.308
„ 27,.....	55	43	63	59	67	84	.303	.257	.320	.264	.331	.344
„ 28,.....	59	62	73	75	75	76	.335	.369	.388	.335	.374	.331
„ 29,.....	68	59	76	79	74	84	.393	.364	.420	.352	.361	.365
„ 30,.....	59	68	83	78	77	69	.378	.419	.462	.362	.423	.331
„ 31.....	81	87	94	93	92	95	.533	.563	.580	.496	.520	.499
Mean, ...	69	70	77	86	84	87	0.454	0.466	0.483	0.441	0.463	0.431

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
1888.												
Dec. 1, ...	1	cum.	NNE	4	sm-cum.	N	7	sm-cum. / R-cum.	N / NE	5	sm-cum. / cum.	W / E
„ 2, ...	10	cum.	NE	8	cum.	NE	10	sm-cum. / cum.	W / E	10	str-cum.	ENE
„ 3, ...	6	str-cum.	...	8	str-cum.	W	10	str-cum.	W	0	...	...
„ 4, ...	7	str-cum.	...	9	str-cum.	ENE	10	str-cum.	E	10	str-cum.	E
„ 5, ...	0	...	...	0	...	...	1	sm-cum.	W	1	cum.	...
„ 6, ...	2	cum.	NE	7	cum.	...	8	cum.	ENE	6	cum. / cum.	N / ENE
„ 7, ...	2	cum.	E	4	cum.	E	1	cum.	E	1	cum.	ENE
„ 8, ...	6	cum.	E	8	cum.	...	6	sm-cum. / cum.	S	5	sm-cum.	S
„ 9, ...	10	cum.	ENE	10	cum.	ENE	10	str-cum.	E	10	nim.	S
„ 10, ...	10	nim.	...	10	cum.	...	9	R-cum.	...	10	str-cum.	ENE
„ 11, ...	10	cum.	E	9	cum.	E	10	str-cum.	E	9	sm-cum. / cum.	WSW / ENE
„ 12, ...	10	cum.	E	10	cum.	E	10	nim.	E	10	nim.	E
„ 13, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	nim.	ENE
„ 14, ...	10	cum.	...	6	cum.	...	6	sm-cum. / cum.	E /	8	str-cum.	SE
„ 15, ...	9	cum.	E	3	cum.	E	6	cum.	E	10	cum.	ENE
„ 16, ...	9	cum.	E	7	cum.	E	10	str-cum.	E	10	sm-cum.	W
„ 17, ...	10	cum.	ESE	10	cum.	...	10	str-cum.	...	10	str-cum. / cum.	W / ENE
„ 18, ...	10	nim.	E	10	str-cum.	...	10	str-cum.	...	10	str-cum. / cum.	ENE
„ 19, ...	10	nim.	NE	10	nim.	NE	10	nim.	ENE	10	nim.	ENE
„ 20, ...	10	nim.	...	10	nim.	...	10	nim.	N	10	cum-nim.	N
„ 21, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 22, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 23, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 24, ...	4	cum.	SE	10	cum.	...	10	R-cum.	SSW	10	sm-cum.	SW
„ 25, ...	8	cum.	SW	10	cum.	W	10	sm-cum. / cum.	W	0	...	...
„ 26, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 27, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 28, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 29, ...	0	...	...	0	...	...	2	sm-cum.	W	10	sm-cum.	W
„ 30, ...	0	...	...	9	cum.	...	9	sm-cum.	W	9	sm-cum.	W
„ 31, ...	7	cum.	W	10	cum.	W	10	R-cum.	E	8	sm-cum. / cum.	W / SE
Mean, ...	5.5	...	...	6.2	...	...	6.6	...	...	6.2	...	...

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	
1888.													
Dec. 1,.....	7	sm-cum. / cum.	W / ENE	10	str-cum.	NE	10	str-cum.	NE	10	cum-nim.	...	6.7
" 2,.....	9	str-cum.	E	10	str-cum.	ESE	3	str-cum.	...	1	str-cum.	...	7.6
" 3,.....	9	sm-cum. / cum.	WSW / E	10	str-cum.	SE	10	cum.	...	10	str-cum.	...	7.9
" 4,.....	10	sm-cum. / cum.	W / E	10	str-cum.	W	2	cum.	...	2	str-cum.	...	7.5
" 5,.....	6	cum.	WNW	1	cum. / cum.	WNW / ESE	0	...	...	0	...	...	1.1
" 6,.....	2	cum.	N	1	cum.	N	0	...	...	1	cum.	ENE	3.4
" 7,.....	0	...	...	1	cum.	...	0	...	...	1	cum.	E	1.3
" 8,.....	10	sm-cum.	S	10	nim.	S	10	cum-nim.	S	10	nim.	...	8.1
" 9,.....	10	nim.	...	10	cum-nim.	NE	10	cum-nim.	...	10	nim.	...	10.0
" 10,.....	10	cum.	E	3	c-cum. / cum.	SSW / E	9	sm-cum. / cum.	SSW / E	10	cum.	E	8.9
" 11,.....	5	c-cum. / cum.	W / E	8	sm-cum. / cum.	W / E	8	c-cum. / cum.	W / E	9	sm-cum. / cum.	E	8.5
" 12,.....	10	cum-nim.	E	10	cum-nim.	E	10	cum-nim.	E	10	nim.	E	10.0
" 13,.....	10	nim.	E	10	cum-nim.	...	10	cum-nim.	...	10	cum.	ENE	10.0
" 14,.....	10	str-cum.	SE	5	R-cum.	N	10	str-cum.	...	10	cum.	E	8.1
" 15,.....	2	sm-cum. / cum.	W / E	7	sm-cum. / cum.	W / ENE	10	cum.	ENE	9	cum.	E	7.0
" 16,.....	10	str-cum.	W	10	str-cum.	W	10	cum-nim.	...	10	cum-nim.	SE	9.5
" 17,.....	10	nim.	E	10	cum.	ENE	10	cum-nim.	E	10	cum.	E	10.0
" 18,.....	10	cum.	NE	10	sm-cum. / cum. / cum.	S / SE / NE	10	nim.	NE	10	nim.	NE	10.0
" 19,.....	10	cum-nim.	ENE	10	nim.	ENE	10	nim.	...	10	nim.	...	10.0
" 20,.....	10	nim.	N	8	sm-cum. / cum.	SW / N	0	...	...	0	...	...	7.2
" 21,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
" 22,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
" 23,.....	0	...	...	0	...	...	0	...	...	1	cum.	ESE	0.1
" 24,.....	2	sm-cum.	WSW	8	sm-cum.	WSW	9	cum.	WSW	9	cum.	SW	7.8
" 25,.....	0	...	...	0	...	...	0	...	...	0	...	...	3.5
" 26,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
" 27,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
" 28,.....	0	...	...	0	...	...	0	...	...	0	...	...	0.0
" 29,.....	1	sm-cum.	...	0	...	...	0	...	...	0	...	...	1.6
" 30,.....	3	sm-cum.	W	2	sm-cum.	W	1	cum.	W	0	...	...	4.1
" 31,.....	2	sm-cum. / cum.	W / SSE	0	...	...	0	...	...	2	cum.	...	4.9
Mean,.....	5.4	...	...	5.3	...	...	4.9	...	...	5.0	...	...	5.6